



BID NO.:616	PROJECT NAME & LOCATION	New York City College of Technology New Academic Building 285 Jay Street Brooklyn, New York
Description:	Furnish, Deliver and Install Bleachers	
Bid Open Location:	DASNY 515 Broadway, Albany, New York	
Bid Open Date:	October 4, 2018	
Bid Open Time:	2:30 p.m.	Contact: Kristen Costello (518) 257-3119

NOTICE TO BIDDERS

MAIL BIDS EARLY

Sealed bids will be received by DASNY at the above address for the items listed in the attached Bid Breakdown and Schedule. When submitting your bid you must:

1. Prepare your bid on the attached Bid Breakdown and Schedule. Return one signed original of the Bid Breakdown and Schedule
2. If your bid deviates from Specifications, explain such deviations or qualifications on your letterhead, setting forth therein such explanations, and attach them to the Bid Breakdown and Schedule.
3. Submission of a bid constitutes full knowledge and acceptance of all provisions of the Notice to Bidders, all information referenced in the Purchasing General Conditions, Supplemental and Detailed Specifications, the Bid Submission and any Supplemental General Requirements contained herein, as well as any addenda issued in relation to the Invitation for Bids.
4. Each bid shall bear on the outside of the envelope the name of the bidder, address, telephone number and designated as a bid for the following:
DASNY Bid No. 616 - Furnish, Deliver and Install Lockers
Bid Opening Date: October 4, 2018 @ 2:30PM
Return to:
DASNY
Attn: Purchasing Unit
515 Broadway
Albany, NY 12207-2964



Bid No.: 616

When a sealed bid is placed inside another delivery jacket, the bid delivery jacket must be clearly marked on the outside “**BID ENCLOSED**” and “**ATTENTION: PURCHASING UNIT**”. The Dormitory Authority will not be responsible for receipt of bids which do not comply with these instructions.

5. Mail bid responses early in order for them to be received before the time of the bid opening. **Late bids will be automatically rejected.** Individuals submitting bids in person or by private delivery services should allow sufficient time for processing through building security to assure that the bids are received prior to the deadline for submitting bids. All individuals who plan to attend bid openings will be required to present government-issued picture identification to building security officials and obtain a visitor’s pass prior to attending the bid opening.

6. In accordance with State Finance Law § 139-j and 139-k, this solicitation includes and imposes certain restrictions on communications between Dormitory Authority personnel and an Offerer during this procurement process. Designated contact for this solicitation is: Kristen Costello, Sr. Purchasing Coordinator , at Dormitory Authority – State of New York, 515 Broadway, Albany, NY 12207,(518) 257-3119. Contacts made to other Dormitory Authority Personnel regarding this procurement may disqualify the Offerer and affect future procurements with governmental entities in the State of New York. Please refer to the Authority’s website www.dasny.org for Authority policy and procedures regarding this law, or the NYS office of General Services website www.ogs.ny.gov/BU/PC/ for more information about this law.



Bid No.: 616

If you are not submitting a bid it is requested that you complete and return the lower portion of this form

(Please check all that apply and provide comments in the space provided, if necessary)

- We are not Submitting a bid.
- We Request removal of our name from the mailing list.
- Location of the job site.
- Commodity is not carried by our company.
- Scope is too large.

Other/Additional Explanation: _____

NAME OF BIDDER: _____

ADDRESS : _____

Street Telephone	City	State	Zip
------------------	------	-------	-----

Signature of Bidder

Official Title

CLAUSES PURSUANT TO THE OMNIBUS PROCUREMENT ACT OF 1992

It is the policy of New York State to maximize opportunities for the participation of New York State business enterprises, including minority and woman-owned business enterprises as bidders, subcontractors and suppliers on its procurement contracts.

Information on the availability of New York subcontractors and supplies is available from:

Empire State Development
Small Business Division
30 South Pearl Street, 7th Floor
Albany, NY 12207
Phone: (800) 782-8369

A directory of minority and woman-owned business enterprises is available from:

Empire State Development
Division of Minority and Women Business Development
30 South Pearl Street
Albany, NY 12207
Phone: (518) 292-5250

Online Directory: <https://ny.newnycontracts.com/FrontEnd/VendorSearchPublic.asp>

DASNY maintains a directory of minority and women-owned business enterprises:
<http://www.dasny.org/construc/mwsberreg/index.php>

The contractor acknowledges notice that New York State may seek to obtain offset credits from foreign countries as a result of this contract and agrees to cooperate with the State in these efforts.

DASNY encourages the use of recycled Materials in the manufacturing process. To that end, the recycled product must meet the same codes, specifications and standards the non-recycled materials do, including requirements for cost, installation, aesthetics, availability and maintenance.

The Omnibus Procurement Act of 1992 and § 2879 of the NYS Public Authorities Law require that by signing this bid, contractors certify that whenever the total bid amount is greater than \$1 million:

1. The contractor has made reasonable efforts to encourage the participation of New York State Business Enterprises as suppliers and Subcontractors on this project, and has retained the documentation of these efforts to be provided upon request to the State. If the contractor determines that NYS business enterprises are not available to participate on the contract as subcontractors or suppliers, the contractor shall provide a statement indicating the method by which such determination was made. If the contractor does not intend to use subcontractors, contractor shall provide a statement verifying such;
2. The contractor has complied with the Federal Equal Opportunity Act of 1972 (PL 92-261), as amended;
3. The contractor agrees to make reasonable efforts to provide notification to New York State residents of employment opportunities on this project through listing any such positions with the Job Service Division of the New York State Department of Labor, or providing such notification in such manner as is consistent with existing collective bargaining contracts or agreements. The contractor agrees to document these efforts and to provide said documentation to the State upon request;

DASNY is required by law to notify the NYS Department of Economic Development of any procurement contract for one million dollars or more that is to be awarded to an out-of-state vendor. This notice must be done simultaneous to the notification of award provided to the vendor. A purchase order or contract cannot be issued until fifteen (15) days after such notification is provided.



DASNY

GENERAL SPECIFICATIONS

- (1) The enclosed Purchasing General Conditions are hereby incorporated by reference. Submission of a bid response shall constitute acceptance of such conditions. Any exceptions/clarifications/qualifications to these conditions or other specifications and/or requirements contained herein must be clearly stated in the bid response and, depending upon the nature of such, may be grounds for rejection of your bid.
- (2) Bids must be submitted in the bidder's full legal name, or the bidder's full legal name plus a registered assumed name, if any.
- (3) All NYS bidders are required to be registered to do business with the NYS Department of State or their local County Clerk, whichever is applicable.
- (4) All out-of-state bidders will be required to provide proof of registration to do business in their state. All out-of-state bidders that "do business in New York State" **MUST BE REGISTERED WITH THE NYS DEPARTMENT OF STATE**. Please contact the NYS Department of State at (518) 473-2492. Information is available at the DOS website: www.dos.ny.gov
- (5) DASNY is required by law to notify the Empire State Development of any procurement contract for one million dollars or more that is to be awarded to an out-of-state vendor. This notice must be done simultaneous to the notification of award provided to the vendor. A purchase order or contract cannot be issued until fifteen (15) days after such notification is provided.
- (6) Empire State Development is required by law to identify states and other jurisdictions that impose preferences or other penalties against New York bidders. DASNY is precluded from soliciting bids or entering into procurement contracts with companies that have their principal place of business located in one of the listed jurisdictions, unless the procurement is for a product that is substantially manufactured in New York State or the services are to be performed in New York State. Currently, this list of jurisdictions includes the states of Alaska, Hawaii, Louisiana, South Carolina, West Virginia and Wyoming.
- (7) Unless otherwise indicated, any reference to brands or model numbers is intended to establish a standard. Items of all manufacturers will be considered, provided the item is determined to meet or exceed the required specification. DASNY's decision as to whether a substitute item meets specification will be final. Your attention is directed to Article II-7, Page 5 of the General Conditions. In order to evaluate substitute items, detailed specifications must be submitted for any product that is other than the one(s) specified in the bid.



DASNY

GENERAL SPECIFICATIONS CONTINUED

- (8) Unless otherwise noted, guarantee on all items is to be one year as detailed in Article XVI of the General Conditions
- (9) All upholstered furniture and drapery panels and lining must meet strict flammability requirements. Standards applicable to this bid, if any, will be delineated in the Detailed Specifications.
- (10) LABOR/TRADES - Any labor, materials or means whose employment, or utilization during the course of this contract, shall not in any way cause or result in strike, work stoppages, delays, suspension of work; or similar troubles by workers employed by this contractor or his subcontractors, or by any of the trades working in or about the buildings and premises where work is being performed. Any violation by the contractor of this requirement may in the sole judgment of DASNY be considered as proper and sufficient cause for declaring the contractor to be in default, and for the owner to take action against him as set forth in the Purchasing General Conditions, Article VIII, "Termination", or such other action as DASNY may deem proper.
- (11) Bid results are available on the DASNY website (www.DASNY.org). Bid results will not be given over the phone.
- (12) If you are a NYS Certified Minority or Women Owned Business, please include a copy of your certification with the bid.



DASNY

ANDREW M. CUOMO
Governor

ALFONSO L. CARNEY, JR.
Chair

GERRARD P. BUSHELL, Ph.D.
President & CEO

SUPPLEMENTAL SPECIFICATIONS

The following items are attached for informational purposes. Referenced documents need not be returned with the proposal. These documents are only applicable to the successful bidder and the ensuing procurement contract. Documents are only applicable to the successful bidder and the ensuing procurement contract. Documents applicable to the procurement that will result from this Invitation for Bids are designated by a check box (☒). Unless otherwise indicated, the referenced documents are located at the end of this Invitation for Bids.

- ☒ **Purchasing General Conditions** – The DASNY Purchasing General Conditions contains terms and conditions of purchases made by DASNY. It is recommended that this document be reviewed fully.
- ☒ **M/WBE Utilization Plan and Request for Waiver** - Minority and Women-Owned Business Enterprise (M/WBE) goals for this project are 15% and 15%, respectively. The successful bidder shall be required to complete a Utilization Plan or Request for Waiver, to be approved by DASNY’s Opportunity Programs Group. Reference Purchasing General Conditions, Article XIX, Affirmative Action for Contracts Mr. Michael Clay, DASNY Opportunity Programs Group at (518) 257-3464, is available to assist all bidders in attaining these goals. *Reference the enclosed “Good Faith Efforts Guidelines”.*
- ☒ **Supplemental General Requirements** – Attached (if applicable) are the Supplemental General Requirements (SGRs) which provide important logistical information and additional conditions which govern this procurement. Please read these SGRs carefully.
- ☒ **Form of DASNY Contract** – The procurement resulting from the Invitation for Bids will be executed through a DASNY purchase order and a related contract. The contract executed with the successful bidder will be in the same substantial form as the attached “Form of Contract”. Note that this Invitation for Bids and any response to such will be annexed as binding terms of the purchase agreement.
- ☒ **Certificate of Insurance** (*sample enclosed*) – The successful bidder will be required to provide a Certificate of Insurance pursuant to Article XIV of the enclosed Purchasing General Conditions. The certificate shall name DASNY and other designated parties as additional insureds.

CORPORATE HEADQUARTERS
515 Broadway
Albany, NY 12207-2964

T 518-257-3000
F 518-257-3100

NEW YORK CITY OFFICE
One Penn Plaza, 52nd Floor
New York, NY 10119-0098

T 212-273-5000
F 212-273-5121

BUFFALO OFFICE
539 Franklin Street
Buffalo, NY 14202-1109

T 716-884-9780
F 716-884-9787

DORMITORY AUTHORITY STATE OF NEW YORK

**WE FINANCE, BUILD AND
DELIVER.**

www.dasny.org



DASNY

ANDREW M. CUOMO
Governor

ALFONSO L. CARNEY, JR.
Chair

GERRARD P. BUSHELL, Ph.D.
President & CEO

SUPPLEMENTAL SPECIFICATIONS CONTINUED

- Worker’s Compensation / Disability Insurance** – The successful proposer will be required to provide specific documentation with respect to Worker’s Compensation and Disability Insurance pursuant to Article XIV of the enclosed Purchasing General Conditions. Requirements are detailed in the enclosed “Workers’ Compensation and Disability Benefits Requirements” document.

- Prevailing Wage Schedule** – NYS Labor Law requires all wages paid by contractors and subcontractors on public work projects be paid at the prevailing wage rates. Enclosed is the current rate schedule for the appropriate county. Contractors and Subcontractors are responsible for obtaining current rates throughout the course of the project. The NYS Department of Labor (NYS DOL) updates these rates on July 1st of each year. Current rates can be obtained on the NYS DOL website (www.labor.state.ny.us) or by fax at (518) 485-1870. Note that an executed Contractor and Subcontractor Certification and certified payrolls, which include the hours and days worked by each workman, laborer or mechanic, the occupation at which he worked, the hourly wage rate paid and the supplements paid or provided, must be submitted with each and every payment requisition. **DASNY will not process an invoice without this information.** Forms are available on the DASNY website:
<http://www.dasny.org/construc/forms2/vendors.php>

- Labor and Material Payment Bond** – The successful bidder must be prepared to provide surety bonds prior to award in accordance with Article XIV of the DASNY Purchasing General Conditions. The costs of these bonds are to be separately stated in the total bid price as indicated on the Bid Breakdown and Schedule.

- Performance Bond** – The Successful bidder must be prepared to provide surety bonds prior to award in accordance with Article XIV of DASNY Purchasing General Conditions. The costs of these bonds are to be separately stated in the total bid price as indicated on the Bid Breakdown and Schedule.

- Standard Vendor Responsibility Questionnaire (SVRQ)** – The successful proposer, in accordance with Article XXII of DASNY Purchasing General Conditions, will be required to complete the enclosed SVRQ. The award of a contract will be subject to a review of the information contained in these forms.

CORPORATE HEADQUARTERS
515 Broadway
Albany, NY 12207-2964

NEW YORK CITY OFFICE
One Penn Plaza, 52nd Floor
New York, NY 10119-0098

BUFFALO OFFICE
539 Franklin Street
Buffalo, NY 14202-1109

DORMITORY AUTHORITY STATE OF NEW YORK

WE FINANCE, BUILD AND DELIVER.

T 518-257-3000
F 518-257-3100

T 212-273-5000
F 212-273-5121

T 716-884-9780
F 716-884-9787

www.dasny.org



DASNY

ANDREW M. CUOMO
Governor

ALFONSO L. CARNEY, JR.
Chair

GERRARD P. BUSHELL, Ph.D.
President & CEO

SUPPLEMENTAL SPECIFICATIONS CONTINUED

- NYS Uniform Contracting Questionnaire (UCQ)** – The successful proposer will be required to complete the enclosed UCQ. The award of a contract will be subject to a review of the information contained in these forms.

- DASNY Contractor and Consultant Questionnaire (CCQ)** – The successful proposer will be required to complete the enclosed CCQ. The award of a contract will be subject to a review of the information contained in these

CORPORATE HEADQUARTERS
515 Broadway
Albany, NY 12207-2964

T 518-257-3000
F 518-257-3100

NEW YORK CITY OFFICE
One Penn Plaza, 52nd Floor
New York, NY 10119-0098

T 212-273-5000
F 212-273-5121

BUFFALO OFFICE
539 Franklin Street
Buffalo, NY 14202-1109

T 716-884-9780
F 716-884-9787

DORMITORY AUTHORITY STATE OF NEW YORK

**WE FINANCE, BUILD AND
DELIVER.**

www.dasny.org



DASNY

ANDREW M. CUOMO
Governor

ALFONSO L. CARNEY, JR.
Chair

GERRARD P. BUSHELL, Ph.D.
President & CEO

SUPPLEMENTAL GENERAL REQUIREMENTS

PRE-BID SITE VISIT and REQUESTS FOR INFORMATION

PRE-BID CONFERENCE:

DATE: Monday, September 24, 2018 and Tuesday September 25, 2018 (alternate date)

TIME: 10:00 am

LOCATION: NYCCT - 285 Jay Street, Brooklyn, NY - Contact Ryan Murphy of Sciamè

ATTENDANCE AT THIS MEETING IS RECOMMENDED

For directions to the project site please contact DASNY's Construction Manager, Sciamè. Please contact Ryan Murphy at 917.295.8929.

Hardhats and proper footwear will be required to tour the site.

REQUESTS FOR INFORMATION:

DATE: All requests for information should be submitted to kcstell@dasny.org no later than **Wednesday, September 26, 2018**. The bid number must be referenced in the subject line. All responses will be posted to www.dasny.org as an Addendum to Bid No. 616 no later than **Thursday, October 4, 2018**. It is the responsibility of the bidder to obtain any and all Addenda issued.

CORPORATE HEADQUARTERS
515 Broadway
Albany, NY 12207-2964

T 518-257-3000
F 518-257-3100

NEW YORK CITY OFFICE
One Penn Plaza, 52nd Floor
New York, NY 10119-0098

T 212-273-5000
F 212-273-5121

BUFFALO OFFICE
539 Franklin Street
Buffalo, NY 14202-1109

T 716-884-9780
F 716-884-9787

DORMITORY AUTHORITY STATE OF NEW YORK

WE FINANCE, BUILD AND DELIVER.

www.dasny.org



DASNY

ANDREW M. CUOMO
Governor

ALFONSO L. CARNEY, JR.
Chair

GERRARD P. BUSHELL, Ph.D.
President & CEO

DETAILED SPECIFICATIONS and Scope of Work

CORPORATE HEADQUARTERS

515 Broadway
Albany, NY 12207-2964

T 518-257-3000
F 518-257-3100

NEW YORK CITY OFFICE

One Penn Plaza, 52nd Floor
New York, NY 10119-0098

T 212-273-5000
F 212-273-5121

BUFFALO OFFICE

539 Franklin Street
Buffalo, NY 14202-1109

T 716-884-9780
F 716-884-9787

DORMITORY AUTHORITY STATE OF NEW YORK

**WE FINANCE, BUILD AND
DELIVER.**

www.dasny.org

TELESCOPING STANDS

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.02 SUMMARY

- A. This Section includes the following:
 - 1. Floor-attached telescoping stands.
 - 2. Floor-attached fixed stands.

1.03 SUBMITTALS

- A. Product Data: Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for telescoping stands.
- B. Shop Drawings: Include plans, elevations, sections, details, and attachments to other work.
 - 1. Include structural analysis data signed and sealed by the qualified professional engineer responsible for their preparation.
 - 2. Include wiring diagrams for electrically-operated units.
 - 3. Indicate field measurements on Shop Drawings.
- C. Samples: For each exposed finish.
- D. LEED Submittals:
 - 1. Certificates for Credit MR 7: Chain-of-custody certificates certifying that wood and wood-based materials comply with forest certification requirements. Include evidence that manufacturer is certified for chain of custody by an FSC-accredited certification body.
 - a. Include statement indicating costs for each certified wood product.
- E. Installer qualification data.
- F. Operation and maintenance data.

1.04 QUALITY ASSURANCE

- A. Installer Qualifications: Manufacturer's authorized representative who is trained and approved for installation of units required for this Project.
- B. Manufacturer's Engineering Responsibility: Preparation of data for telescoping stands, including Shop Drawings, and comprehensive engineering analysis by a qualified professional engineer.
- C. Safety Standard: Provide telescoping stands that comply with requirements in ICC 300.

- D. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction, and marked for intended use.
- E. Accessibility Requirements: Provide telescoping stands that comply with requirements in the U.S. Architectural & Transportation Barriers Compliance Board's "Americans with Disabilities Act (ADA), Accessibility Guidelines for Buildings and Facilities (ADAAG)".
- F. Fire-Test-Response Characteristics of Upholstered Chairs:
- G. Forest Certification: Fabricate products with wood components produced from wood obtained from forests certified by an FSC-accredited certification body to comply with FSC STD-01-001, "FSC Principles and Criteria for Forest Stewardship."
- H. Pre-installation Conference: Conduct conference at Project site.

PART 2 - PRODUCTS

2.01 MANUFACTURERS

- A. Basis-of-Design Product: The design for telescoping stands is based on products of Irwin Telescopic Seating Company. Subject to compliance with requirements, provide the named product or a comparable product by one of the following:
 1. Hussey Seating Company.
 2. Interkal LLC.

2.02 TELESCOPING STANDS

- A. Floor-Attached Telescoping Stands: Rear of understructure permanently attaches to wall construction.
 1. Basis-of-Design Product: Irwin model 4500.
 2. Operation: Automatic, friction-type integral power unit.
 - a. Limit Switches: Automatically stop integral power system when telescoping stands reach fully opened or closed positions.
 - b. Motion Monitor: Flashing light with self-contained warning horn, rated at 85 decibels (dB) at 10 feet (3 m), mounted under telescoping seating for audio and visual warning during integral power operation.
 - c. Transformer: As required to coordinate current characteristics of motor and control station with building electrical system.
- B. Bench Seats and Skirts:
 1. 5/4-Inch Nominal Lumber: Seats shall be 1-inch thick, 11-inches actual depth finger-jointed, solid or edge glued Southern Pine Grade "B and better." Riser boards shall be an actual dimension of 8-inches wide by 3/4-inch thick, finger-jointed or edge glued solid Southern Pine Grade "B and better" in conformity with SPIB Grading Rules.
 - a. Provide wood seats and riser boards to be machine and hand sanded and finished with a moisture repellent sealer coat on all surfaces. Finish to be UV cured, water based polyurethane with a high gloss clear coat.
- C. Wheelchair-Accessible Seating: Locate retractable truncated benches to provide wheelchair-accessible seating at locations indicated on Drawings.

1. Equip tiers adjacent to wheelchair-accessible seating with front rails as required by referenced safety standard.
- D. Deck: Plywood, APA grade trademarked, DOC PS 1.
1. Finish: Manufacturer's standard finish.
 2. Color: As selected by Architect from manufacturer's standard colors.
- E. Risers: Steel sheet with manufacturer's standard rust-inhibiting coating or hot-dip galvanized finish.
- F. Rails: Structural steel, finished with manufacturer's standard powder coat system.
1. Color: Black.
- G. Understructure: Structural steel.
1. Finish: Manufacturer's standard rust-inhibiting finish.
 2. Color: Manufacturer's standard.
- H. Support Column Wheels: Non-marring, soft, rubber-face wheel assembly under each support column.
1. Include wheels of size, number, and design required to support stands and operate smoothly without damaging the flooring surface, but not less than four (4) per column, or less than 3-1/2 inches (88.9 mm) in diameter and 1 inch (25.4 mm) wide.
- I. Aisle Closures: Manufacturer's standard that produce flush vertical face at aisles when system is stored.
- J. Fasteners: Vibration proof, in manufacturer's standard size and material.
- K. Accessories:
1. Slip-resistant, abrasive tread surfaces at vertical aisles.
 2. Intermediate aisle steps, fully enclosed, at each vertical aisle.
 3. Removable front steps, fully enclosed, at each vertical aisle, that engage with front row to prevent accidental separation or movement and are equipped with a minimum of four skid-resistant feet.
 4. Portable access-stair units equipped with handrails, with not less than four full-swiveling, non-marring wheels and a locking mechanism to prevent movement during use.
 5. Folding, non-removable mid-aisle handrails located at centerline of each vertical aisle with seating on both sides.
 6. End rails (guards) that are telescoping and self-storing.
 7. Rear fillers including supports for closing openings between top row and rear wall of adjoining construction.
 8. Gap fillers for closing openings between stand units or between stand units and adjoining construction.
 9. End panels covering exposed ends of stands in stored position.

2.03 FIXED STANDS

- A. Floor-Attached Fixed Stands: Understructure permanently attaches to floor construction.
1. Basis-of-Design Product: Irwin model 4500.
- B. Bench Seats and Skirts:

1. 5/4-Inch Nominal Lumber: Seats shall be 1-inch thick, 11-inches actual depth finger-jointed, solid or edge glued Southern Pine Grade "B and better." Riser boards shall be an actual dimension of 8-inches wide by 3/4-inch thick, finger-jointed or edge glued solid Southern Pine Grade "B and better" in conformity with SPIB Grading Rules.
 - a. Provide wood seats and riser boards to be machine and hand sanded and finished with a moisture repellent sealer coat on all surfaces. Finish to be UV cured, water based polyurethane with a high gloss clear coat.
- C. Wheelchair-Accessible Seating: Locate retractable truncated benches to provide wheelchair-accessible seating at locations indicated on Drawings.
 1. Equip tiers adjacent to wheelchair-accessible seating with front rails as required by referenced safety standard.
- D. Deck: Plywood, APA grade trademarked, DOC PS 1.
 1. Finish: Manufacturer's standard finish.
 2. Color: As selected by Architect from manufacturer's standard colors.
- E. Risers: Steel sheet with manufacturer's standard rust-inhibiting coating or hot-dip galvanized finish.
- F. Understructure: Structural steel.
 1. Finish: Manufacturer's standard rust-inhibiting finish.
 2. Color: Manufacturer's standard.
- G. Fasteners: Manufacturer's standard size and material.
- H. Accessories:
 1. Slip-resistant, abrasive tread surfaces at vertical aisles.
 2. Intermediate aisle steps, fully enclosed, at each vertical aisle.
 3. Front steps, fully enclosed, at each vertical aisle equipped with a minimum of four skid-resistant feet.
 4. Access-stair units.
 5. Mid-aisle handrails located at centerline of each vertical aisle with seating on both sides.
 6. End rails (guards).
 7. Rear fillers including supports for closing openings between top row and rear wall of adjoining construction.
 8. Gap fillers for closing openings between stand units or between stand units and adjoining construction.
 9. End panels covering exposed ends of stands in stored position.

PART 3 - EXECUTION

3.01 INSTALLATION

- A. Install telescoping stands to comply with referenced safety standard and manufacturer's written instructions.
- B. Perform the following tasks on completion of installation:
 1. Lubricate, test, and adjust each telescoping stand unit so that it operates according to manufacturer's written operating instructions.

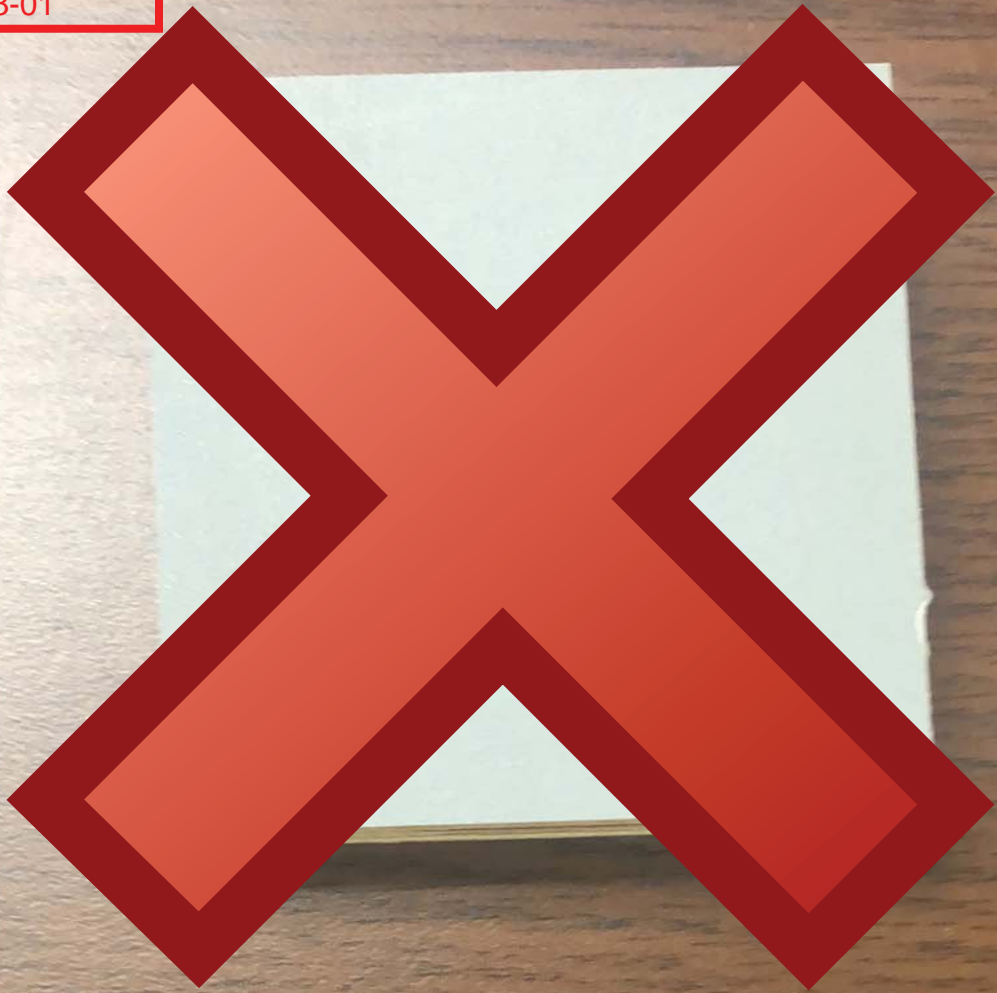
2. Clean installed telescoping stands on exposed and semi-exposed surfaces. Touch up shop-applied finishes or replace components as required to restore damaged or soiled areas.

3.02 DEMONSTRATION

- A. Engage a factory-authorized service representative to train Owner's maintenance personnel to adjust, operate, and maintain telescoping stands. Refer to Division 01 Section "Demonstration and Training".

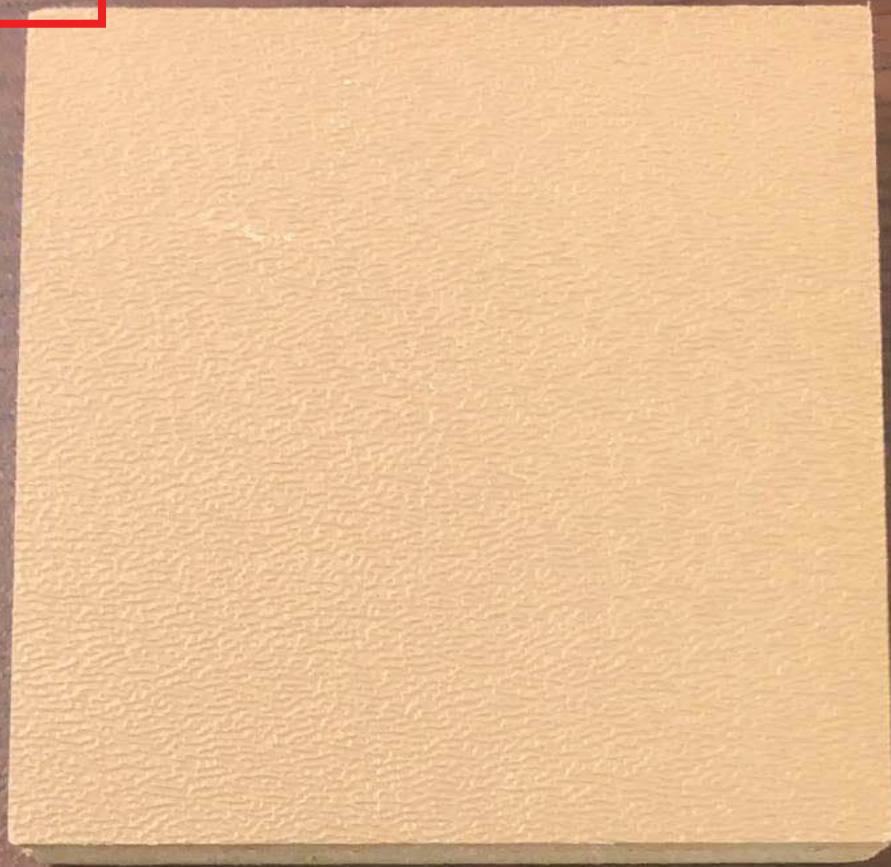
END OF SECTION 12 66 00

Reviewed By
F.J. Sciame Construction
03/07/18
116623-003-01



Option 1: Grey Panelam Decking

Reviewed By
F.J. Sciame Construction
03/07/18
116623-003-01



Option 2: Beige Panelam Decking

Reviewed By
F.J. Sciamé Construction
03/07/18
116623-003-01

Irwin
Sealing
Company
Clear Coat
Wood Decking
597-1122



RESIN-TITE®

Option 3: Clear Coat Decking

Reviewed By
F.J. Sciame Construction
03/07/18
116623-003-01

5/4 Nominal Lumber Seat

American Atheltix
Bleacher Board 5qtr

5/4 Nominal Lumber Seating



DASNY

ANDREW M. CUOMO
Governor

ALFONSO L. CARNEY, JR.
Chair

GERRARD P. BUSHELL, Ph.D.
President & CEO

DRAWINGS

CORPORATE HEADQUARTERS

515 Broadway
Albany, NY 12207-2964

T 518-257-3000
F 518-257-3100

NEW YORK CITY OFFICE

One Penn Plaza, 52nd Floor
New York, NY 10119-0098

T 212-273-5000
F 212-273-5121

BUFFALO OFFICE

539 Franklin Street
Buffalo, NY 14202-1109

T 716-884-9780
F 716-884-9787

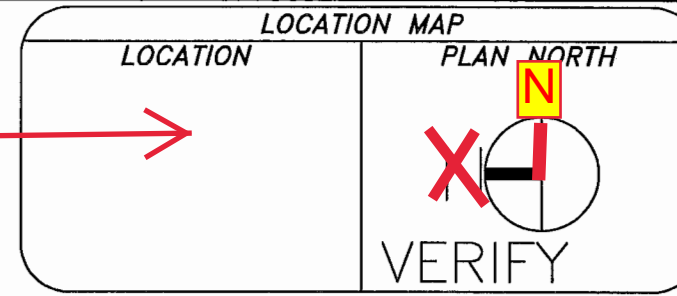
DORMITORY AUTHORITY STATE OF NEW YORK

**WE FINANCE, BUILD AND
DELIVER.**

www.dasny.org

Reviewed By
F.J. Sciamè Construction
 04/25/18
 116623-002-02

SHOW KEY PLAN.
 NORTH IS TOWARDS
 "RELEASE A"



Irwin Seating Company
 TELESCOPIC DIVISION
 US ROUTE 40 EAST
 PO BOX 320
 ALTAMONT, IL 62411
 Toll Free: (877) 597-1122
 Phone: (618) 483-6157
 Fax: (618) 483-5539
 www.irwinseating.com

LOCATE AS BUILT
 LOCATION OF
 WALLS; TYP

V.I.F. DWG. A-101
 IS 88'-6"
 CM COORDINATE

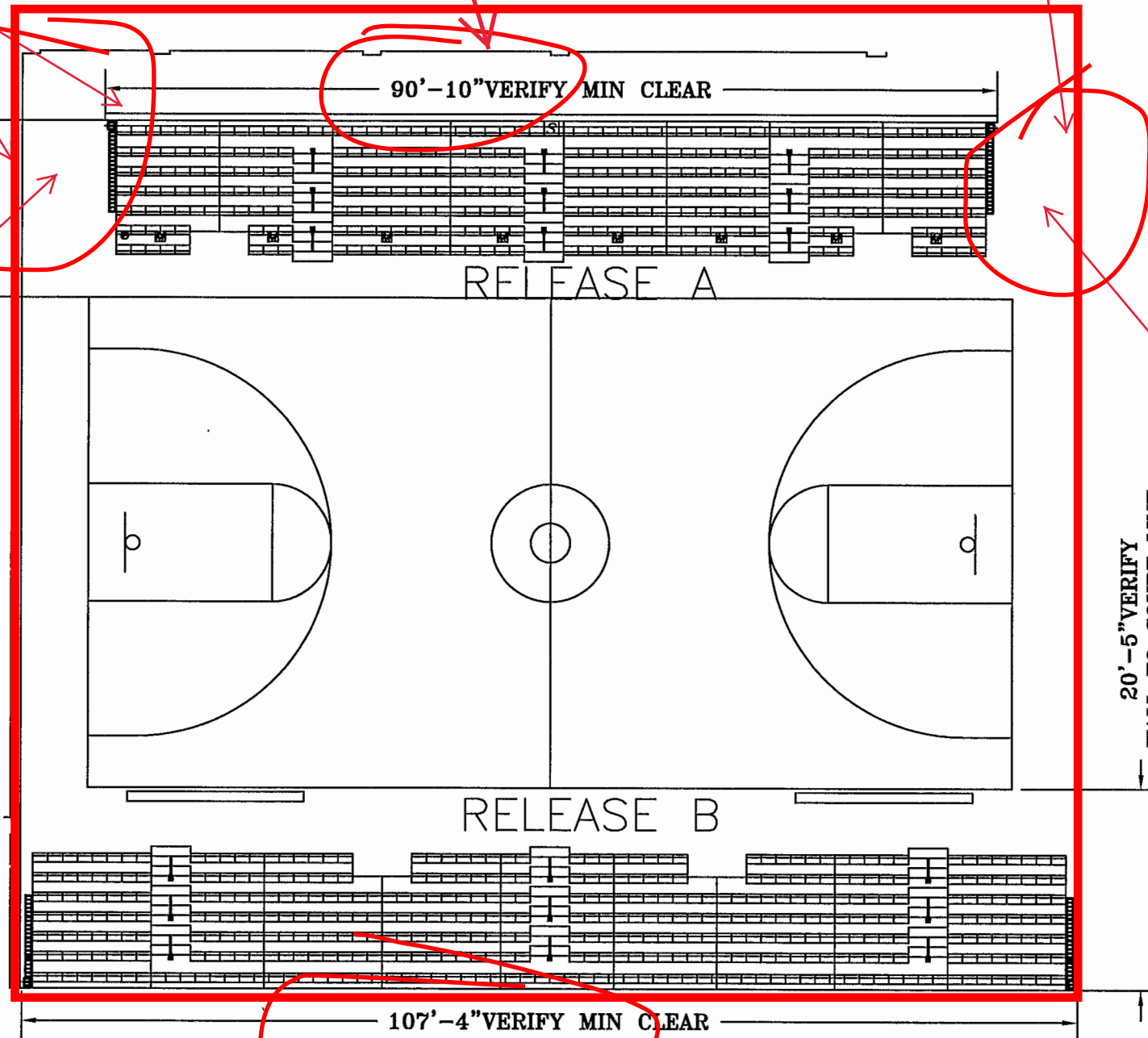
LOCATE AS BUILT
 LOCATION OF
 WALLS; TYP

VERIFY IN
 FIELD.

PROVIDE LAYOUT OF
 SEATING
 NUMBERING
 SEQUENCE

LOCATE OVERALL
 ROOM DIMENSIONS;
 EGRESS PATHS
 MUST BE
 MAINTAINED PER
 CONTRACT
 DOCUMENTS.

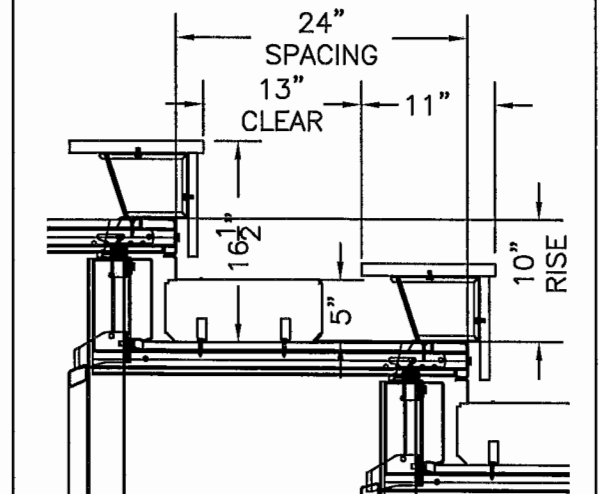
LOCATE OVERALL
 ROOM DIMENSIONS;
 EGRESS PATHS
 MUST BE
 MAINTAINED PER
 CONTRACT
 DOCUMENTS.



RELEASE A 349 SEATS + 4 PERM. H.C. SPACES
 RELEASE B 426 SEATS + 4 PERM. H.C. SPACES
 TOTAL 775 SEATS + 8 PERM. H.C. SPACES

NOTES:
 ALL VERIFIABLE DIMENSIONS ARE SUBJECT TO CHANGE
 PENDING FIELD VERIFICATION.
 FLOOR SHALL BE SMOOTH AND LEVEL, WITH SLOPE
 NOT TO EXCEED 1/8" IN 10'-0". (ALTERNATIVELY
 RECOMMEND FF50/FL35)
 IF WALL COLUMNS OR OTHER OBSTRUCTIONS EXIST IN
 PROPOSED BLEACHER AREA, VERIFY TYPE, LOCATION,
 WIDTH, & DEPTH.
 RISER HEIGHTS EXCEEDING 3/16" VARIANCE FROM ONE
 TO ANOTHER SHALL BE INDICATED BY A YELLOW
 NON-SLIP TREAD ON THE NOSE OF EACH RISE.
 SEATING NUMBERING TO PRESENTED
 ON OVERALL SEATING MANIFEST

SEATING INFORMATION:



Chair Size	10"	12"	4/4	5/4	-	Total Seat Count
Chair Qty.				775		775
BLEACHER SEATING						
MODEL	COLOR(S)/UPHOLSTERY					
Seat Plastic	5/4 LUMBER	YELLOW PINE				
Back Plastic	N/A	N/A				

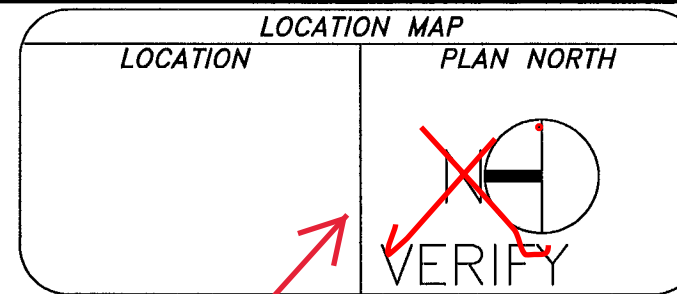
C	ADDED DIMS & DETAILS	4-19-18	KDG	4/24/18	KTL
B	REV. PER IGR #1	3/9/18	NDC	03/13/18	KMR
A	MADE SHOPS	2/13/18	NDC	02/14/18	KMR
No.	Revision/Issue	Rev Date	Drafter Initials	Apprv'd Date	Engineer Initials

CITY TECH ACADEMIC BUILDING CUNY
 BROOKLYN NY
 BUILDING LAYOUT DWG. NO. SHOPS
 SCALE: 1/16" = 1' DATE PRJ. NO. G102294
 DRAWN BY: NDC 1/10/17 SHEET 1 OF 8 REV. NO. C
 CHECKED BY: KMR 01/12/18

ALTHOUGH BUILDING CODES HAVE BEEN CONSIDERED IN DEVELOPING THIS SEATING PLAN,
 VERIFICATION OF COMPLIANCE WITH BUILDING CODES
 IS THE EXCLUSIVE RESPONSIBILITY OF THE CUSTOMER AND/OR ARCHITECT.

A
 1

BUILDING LAYOUT
 SCALE: 1/16" = 1'-0"



Irwin Seating Company

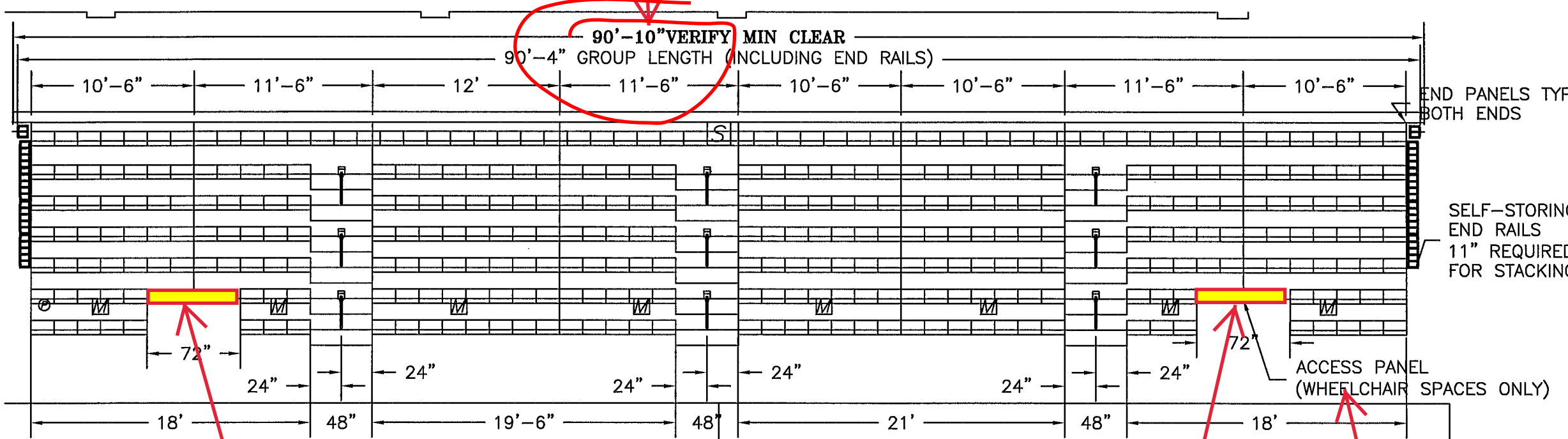
TELESCOPIC DIVISION
 US ROUTE 40 EAST
 PO BOX 320
 ALTAMONT, IL 62411
 Toll Free: (877) 597-1122
 Phone: (618) 483-6157
 Fax: (618) 483-5539
 www.irwinseating.com

V.I.F. DWG. A-101
 IS 88'-6"
 CM COORDINATE

SEE SHEET 1 FOR
 MARK UP.

REQUIREMENTS:
 VERSATRACT

- 90'-4" Group Length including end rails (8 Rectangular Sections)
 - 7 Rows
 - 10" Rise
 - 24" Spacing
 - T&G Panelam 5/8" Decking
 - Standard Seat Level Filler
 - Floor Attached
 - 208-230 VAC, Three Phase IDS Power with Motion Monitor Indicator
 - Full Open/Closed Limit Switches
 - 349 5/4 Nominal Lumber Seats
 - 2 Sets of Self Storing End Rails (Starting At Row 3)
 - 2-End Panels
 - 4-36"x24" Perm Wheel Chair Spaces w/Access Panel
 - 4-Handicap Signage
 - 4-Companion Signage
 - Galvanized Nose and Rear Beam
 - 3 Aisles 48" inches wide
 - Smart Rail
 - Standard Steel steps including Front Step
- Seating Capacity: 349+4 Permanent Wheel Chair Spaces



BESIDES THE ACCESS PANEL BELOW THE BENCH, DOESN'T THE BENCH CONTINUE TO PROVIDE FALL PROTECTION?

BESIDES THE ACCESS PANEL BELOW THE BENCH, DOESN'T THE BENCH CONTINUE TO PROVIDE FALL PROTECTION?

CLARIFY AND SHOW DETAIL SECTION AT THIS ACCESS PANEL.

MATERIALS AND FINISHES

	MATERIAL	FINISH
Decking:	T&G 5/8" Panelam	VERIFY
Riser Beam:	A653 Steel	Galvanized
Nose Beam:	A653 Steel	Galvanized
Understructure:	Steel	Black Powder Coat
Guard Rails:	A500B Steel	Black Powder Coat
Handrails:	A500B Steel	Black Powder Coat
Aisle Steps 1:	14 Ga Steel	Black Powder Coat
Aisle Steps 2:	N/A	N/A
Curtains:	N/A	N/A
End Panel:	T&G 5/8" Panelam	VERIFY
Gap Closures:	N/A	N/A
Seat Type 1:	5/4 LUMBER	YELLOW PINE
Seat Type 2:	N/A	N/A

No.	Revision/Issue	Rev Date	Drafter Initials	Apprv'd Date	Engineer Initials
C	ADDED DIMS & DETAILS	4-19-18	KDG	4/21/18	KMR
B	REV. PER ICR #1	3/9/18	NDC	03/13/18	KMR
A	MADE SHOPS	2/13/18	NDC	02/14/18	KMR

CITY TECH ACADEMIC BUILDING CUNY

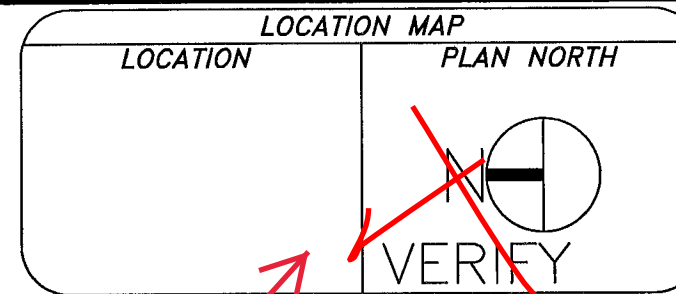
BROOKLYN NY

PLAN RELEASE A	DWG. NO. SHOPS
SCALE: 1/8" = 1'	DATE
DRAWN BY: NDC	1/10/17
CHECKED BY: KMR	01/12/18
PRI. NO. G102294	SHEET 2 OF 8
REV. NO. C	

A
2

PLAN RELEASE A
 SCALE: 1/8" = 1'-0"

ALTHOUGH BUILDING CODES HAVE BEEN CONSIDERED IN DEVELOPING THIS SEATING PLAN, VERIFICATION OF COMPLIANCE WITH BUILDING CODES IS THE EXCLUSIVE RESPONSIBILITY OF THE CUSTOMER AND/OR ARCHITECT.



Irwin Seating Company

TELESCOPIC DIVISION
 US ROUTE 40 EAST
 PO BOX 320
 ALTAMONT, IL 62411
 Toll Free: (877) 597-1122
 Phone: (618) 483-6157
 Fax: (618) 483-5539
 www.irwinseating.com

REQUIREMENTS:
 VERSATRACK

- 106'-10" Group Length including end rails (9 Rectangular Sections)
 - 7 Rows
 - 10" Rise
 - 24" Spacing
 - Fixed Open
 - T&G Panelam 5/8" Decking
 - Standard Seat Level Filler
 - Floor & Wall Attached
 - 426 5/4 Nominal Lumber Seats (Starting At Row 3)
 - 2 Sets of Self Storing End Rails
 - 4-36"x24" Perm Wheel Chair Spaces w/Access Panel
 - 4-Handicap Signage
 - 4-Companion Signage
 - Galvanized Nose and Rear Beam
 - 3 Aisles 48" inches wide
 - Smart Rail
 - Standard Steel steps including Front Step
- Seating Capacity: 426+4 Permanent Wheel Chair Spaces

MATERIALS AND FINISHES

	MATERIAL	FINISH
Decking:	T&G 5/8" Panelam	VERIFY
Riser Beam:	A653 Steel	Galvanized
Nose Beam:	A653 Steel	Galvanized
Understructure:	Steel	Black Powder Coat
Guard Rails:	A500B Steel	Black Powder Coat
Handrails:	A500B Steel	Black Powder Coat
Aisle Steps 1:	14 Ga Steel	Black Powder Coat
Aisle Steps 2:	N/A	N/A
Curtains:	N/A	N/A
End Panel:	N/A	N/A
Gap Closures:	N/A	N/A
Seat Type 1:	5/4 LUMBER	YELLOW PINE
Seat Type 2:	N/A	N/A

No.	Revision/Issue	Rev Date	Drafter Initials	Apprv'd Date	Engineer Initials
C	ADDED DIMS & DETAILS	4-19-18	KDG	ALBAIS	KMR
B	REV. PER ICR #1	3/9/18	NDC	03/13/18	KMR
A	MADE SHOPS	2/13/18	NDC	02/14/18	KMR

CITY TECH ACADEMIC BUILDING CUNY

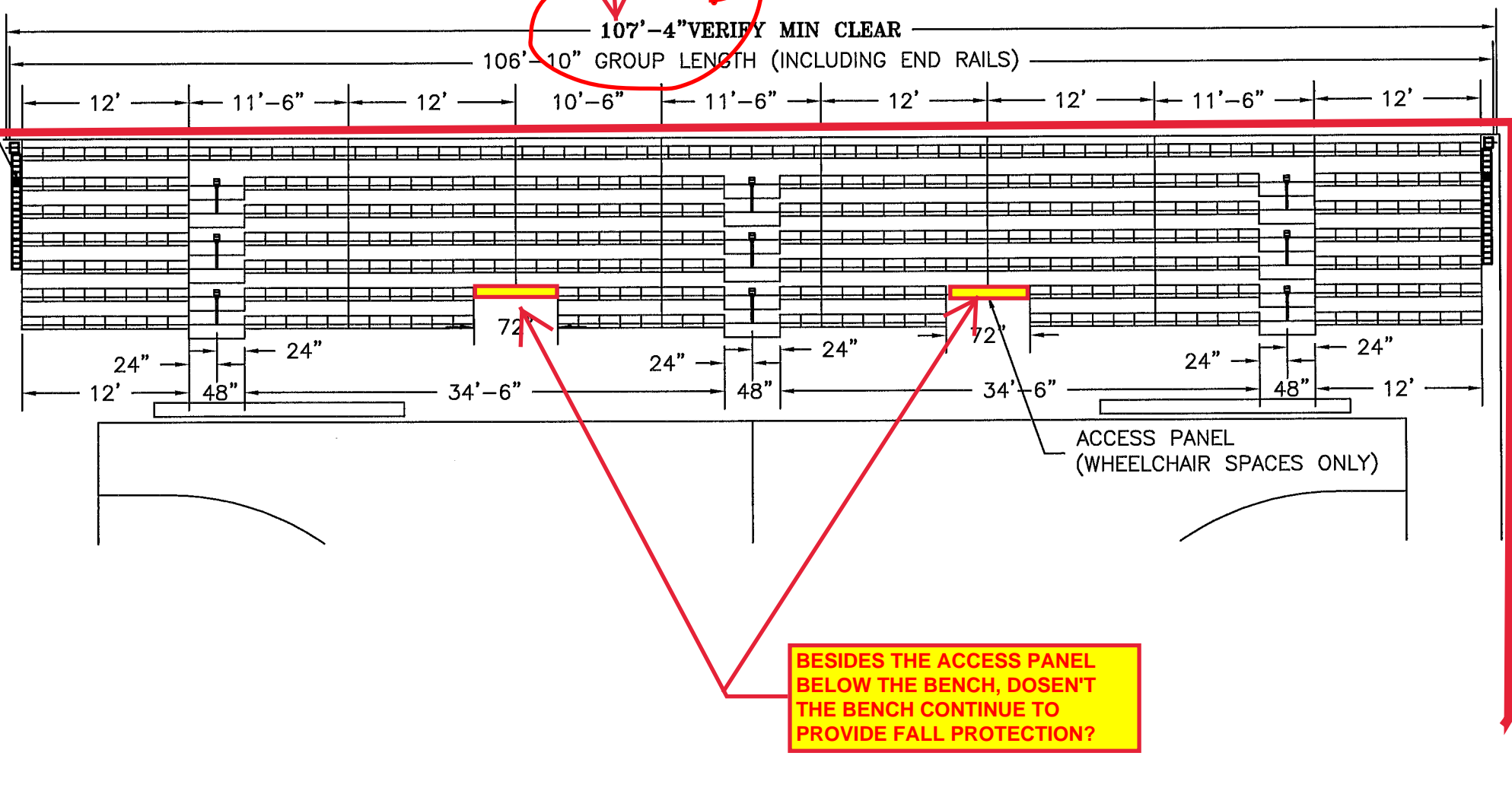
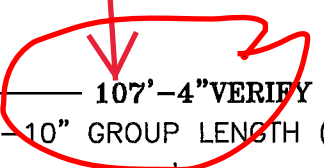
BROOKLYN NY

PLAN RELEASE B	DWG. NO. SHOPS
SCALE: 1/8" = 1'	DATE
DRAWN BY: NDC	1/10/17
CHECKED BY: KMR	01/12/18
PRJ. NO. G102294	SHEET 3 OF 8
REV. NO. C	

ALTHOUGH BUILDING CODES HAVE BEEN CONSIDERED IN DEVELOPING THIS SEATING PLAN, VERIFICATION OF COMPLIANCE WITH BUILDING CODES IS THE EXCLUSIVE RESPONSIBILITY OF THE CUSTOMER AND/OR ARCHITECT.

V.I.F.

SEE SHEET 1 FOR MARK UP.



BESIDES THE ACCESS PANEL BELOW THE BENCH, DOESN'T THE BENCH CONTINUE TO PROVIDE FALL PROTECTION?

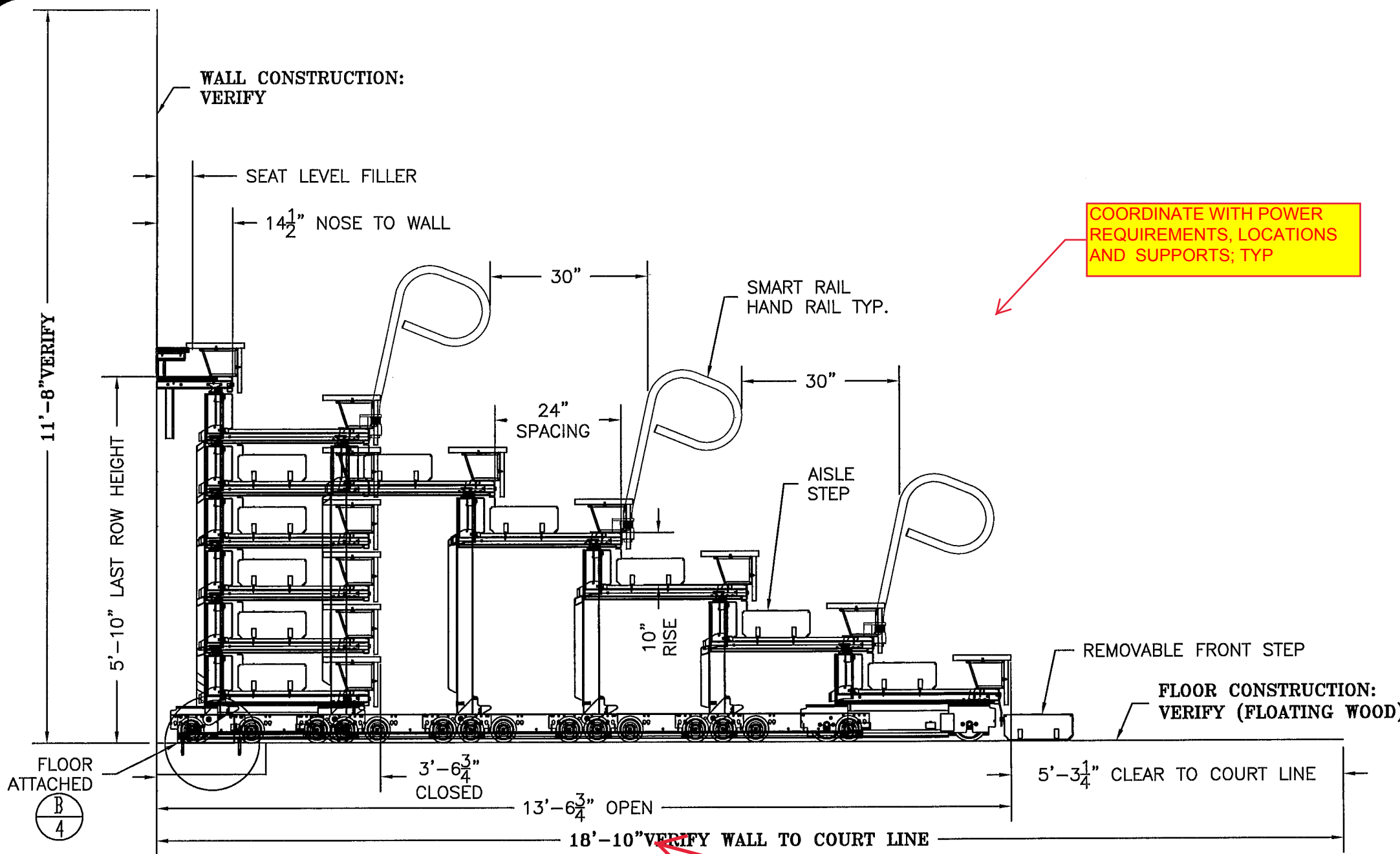
SELF-STORING END RAILS 11" REQUIRED FOR STACKING

A
3

PLAN RELEASE B
 SCALE: 1/8" = 1'-0"



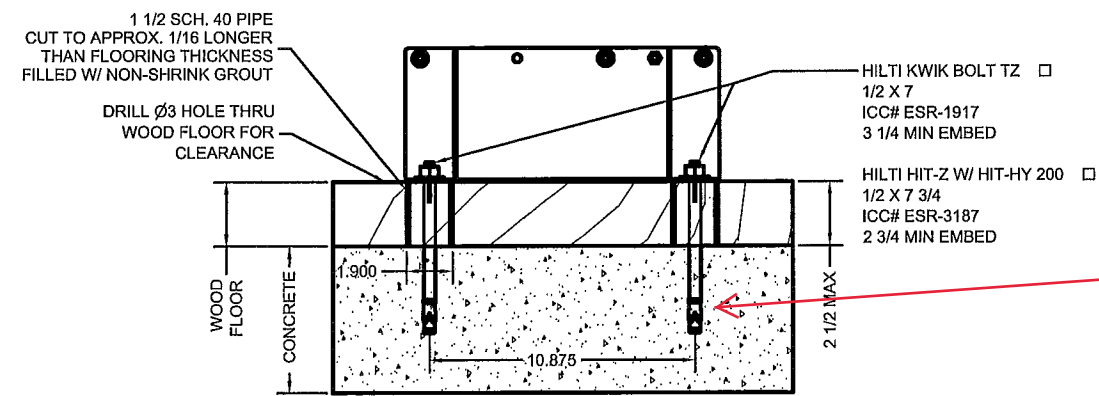
TELESCOPIC DIVISION
 US ROUTE 40 EAST
 PO BOX 320
 ALTAMONT, IL 62411
 Toll Free: (877) 597-1122
 Phone: (618) 483-6157
 Fax: (618) 483-5539
 www.irwinseating.com



COORDINATE WITH POWER REQUIREMENTS, LOCATIONS AND SUPPORTS; TYP

A
 4
 ELEVATION RELEASE A
 SCALE: 1/8" = 1'-0"

V.I.F.



COORDINATE W/ STRUCTURAL SLAB CRITERIA. REPAIR ANY VAPOR BARRIER PENETRATIONS

B
 4
 FLOOR ATTACHMENT DETAIL-FLOOR TYPE NOT VERIFIED
 SCALE: 1/8" = 1'-0"

No.	Revision/Issue	Rev Date	Drafter Initials	Apprv'd Date	Engineer Initials
C	ADDED DIMS & DETAILS	4-19-18	KDG	4/21/18	KMR
B	REV. PER ICR #1	3/9/18	NDC	03/13/18	KMR
A	MADE SHOPS	2/13/18	NDC	02/14/18	KMR

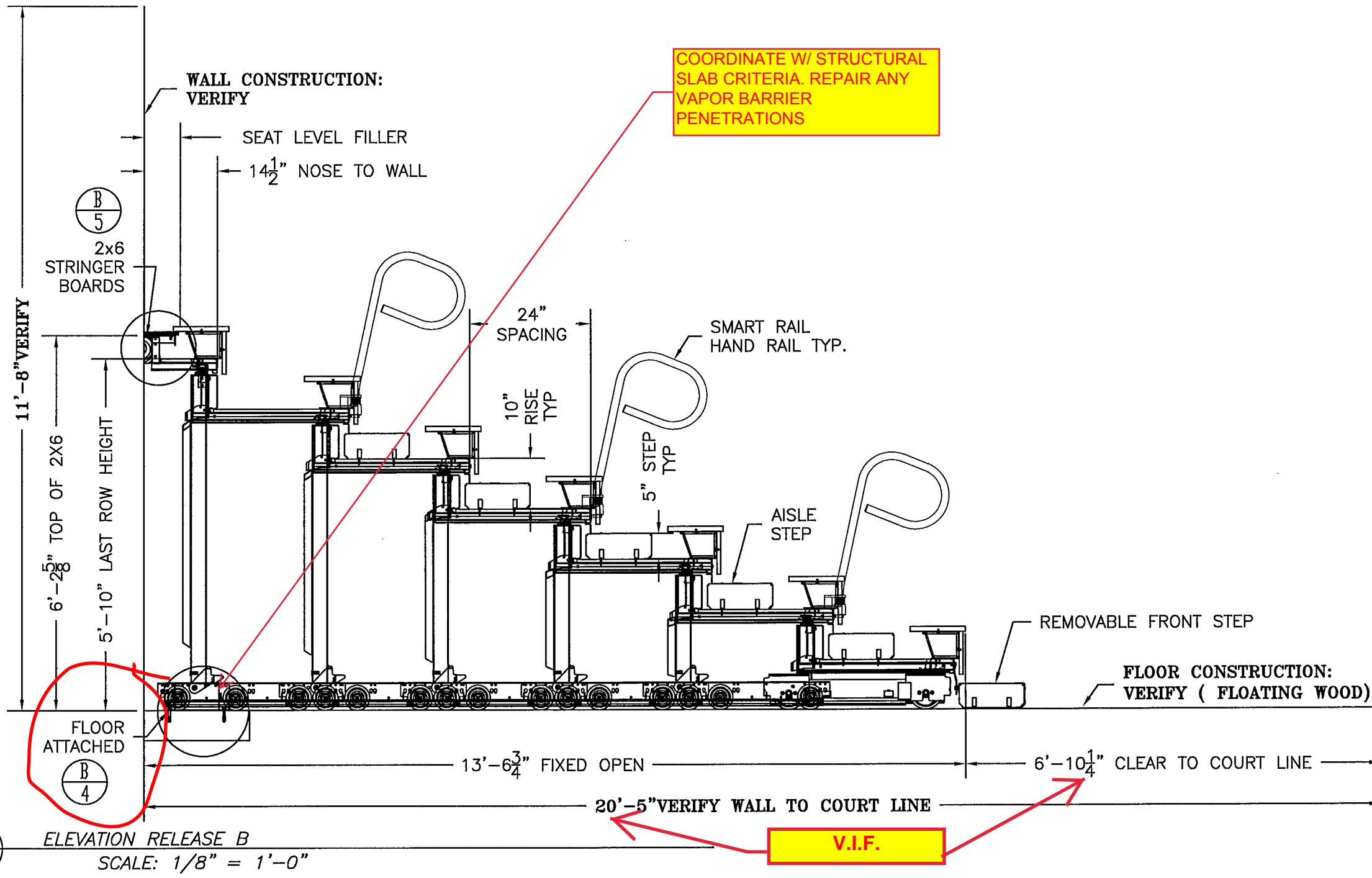
CITY TECH ACADEMIC BUIDLING CUNY
BROOKLYN NY

ELEVATION	DWG. NO.	SHOPS
SCALE: 1/8" = 1'	DATE	PRJ. NO. G102294
DRAWN BY: NDC	1/10/17	SHEET OF 8
CHECKED BY: KMR	01/12/18	REV. NO. C

ALTHOUGH BUILDING CODES HAVE BEEN CONSIDERED IN DEVELOPING THIS SEATING PLAN, VERIFICATION OF COMPLIANCE WITH BUILDING CODES IS THE EXCLUSIVE RESPONSIBILITY OF THE CUSTOMER AND/OR ARCHITECT.

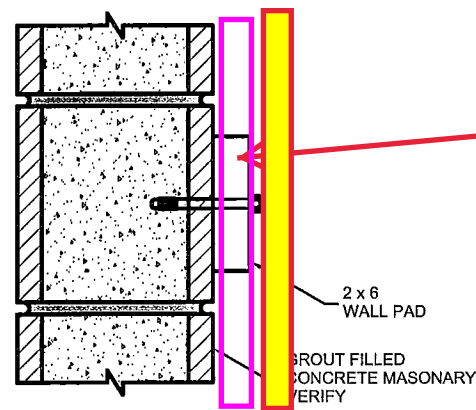


TELESCOPIC DIVISION
 US ROUTE 40 EAST
 PO BOX 320
 ALTAMONT, IL 62411
 Toll Free: (877) 597-1122
 Phone: (618) 483-6157
 Fax: (618) 483-5539
 www.irwinseating.com



COORDINATE W/ STRUCTURAL SLAB CRITERIA. REPAIR ANY VAPOR BARRIER PENETRATIONS

COORDINATE WITH FIELD CONDITIONS THIS WALL IS FURRED OUT. SOUTH. NORTH WALL IS GYP. BD. CONSTRUCTION.



WALL ATTACHMENT DETAIL-WALL TYPE NOT VERIFIED

SCALE: 1/8" = 1'-0"

No.	Revision/Issue	Rev Date	Drafter Initials	Apprv'd Date	Engineer Initials
C	ADDED DIMS & DETAILS	4-19-18	KDG	4/29/18	V-2
B	REV. PER ICR #1	3/9/18	NDC	03/13/18	KMR
A	MADE SHOPS	2/13/18	NDC	02/14/18	KMR

CITY TECH ACADEMIC BUILDING CUNY

BROOKLYN NY

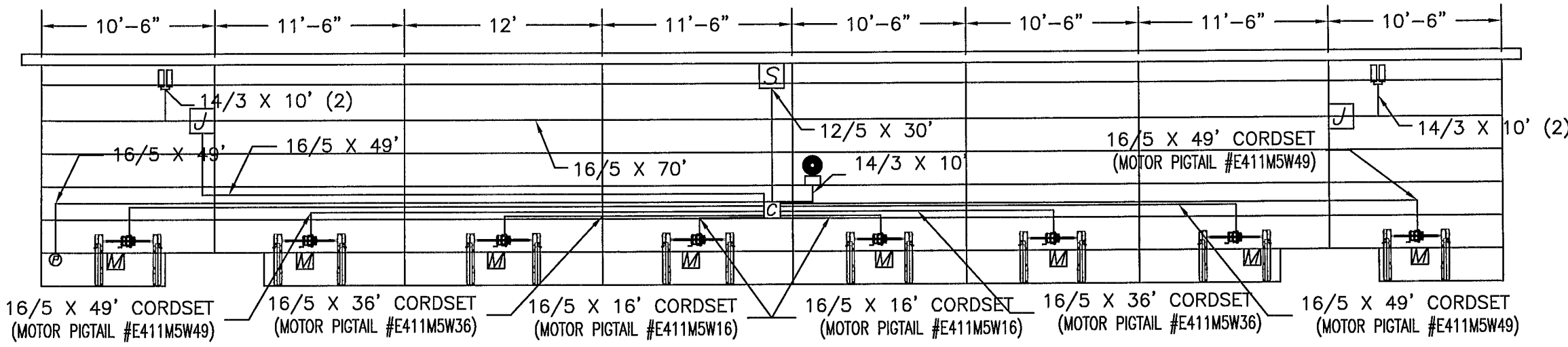
ELEVATION	SCALE: 1/8" = 1'	DATE	DWG. NO. SHOPS
DRAWN BY: NDC	1/10/17	SHEET 5 OF 8	PRJ. NO. G102294
CHECKED BY: KMR	01/12/18	REV. NO. C	

ALTHOUGH BUILDING CODES HAVE BEEN CONSIDERED IN DEVELOPING THIS SEATING PLAN, VERIFICATION OF COMPLIANCE WITH BUILDING CODES IS THE EXCLUSIVE RESPONSIBILITY OF THE CUSTOMER AND/OR ARCHITECT.



Irwin Seating Company

TELESCOPIC DIVISION
 US ROUTE 40 EAST
 PO BOX 320
 ALTAMONT, IL 62411
 Toll Free: (877) 597-1122
 Phone: (618) 483-6157
 Fax: (618) 483-5539
 www.irwinseating.com



Note:
 Readily accessible disconnection box and wiring (as required by NEC) supplied and located by others.
 UL 489 branch circuit protective devices to be provided by others per NEC and UL 508A per the criteria listed below.

(a.) If the branch protection is a breaker, 250% of the largest motor FLA, plus the sum of the remaining motor loads,
 (b.) If the branch protection is a time delay fuse, 175% of the largest motor FLA, plus the sum of the remaining motor loads, or
 (c.) If the branch protection is a CC fuse, 300% of the largest motor FLA, plus the sum of the remaining motor loads.

Branch Circuit Protection Requirements (NEC Table 430.52 & Section 430.62)

MOTOR TYPE	Motor FLA:	amps per motor x	motors =	amps
3	2.7	8	21.6	amps
	Method (a): (2.7 amps x 250%) + (7 motors x 2.7 amps) = 25.7 amps			
	Method (b): (2.7 amps x 175%) + (7 motors x 2.7 amps) = 23.6 amps			
	Method (c): (2.7 amps x 300%) + (7 motors x 2.7 amps) = 27 amps			

COORDINATE LOCATION WITH ELECTRICAL CONTRACTOR. SEE ENGINEERING COMMENTS.

POWER REQUIREMENTS

NOTE: Readily accessible disconnection box and wiring (as required by N.E.C.) supplied and located by others.

Power Source Voltage: 208-230 VAC Phase: Three
 Amp: 20 Freq: 60 Hz
 Notes: 5 wire (3 Power, Neutral & Ground)

NOTE: 4'-0" A.F.F. Max for 6 Rows and above Source Location
 2'-0" A.F.F. Max for 5 Rows and Below Source Location

Aisle Lights Voltage: 120 VAC Phase: 1
 Amp: 15 Freq: 60 Hz
 Notes: 120/24 Transformer by ITSC

S Disconnection Box
 J Aisle Light Transformer
 M Motor P Pendant C Contactor T Transformer
 K Key Switch Alarm Limit Switches

Irwin Seating Company Telescopic Division **AC GEARMOTOR**

MODEL	014-762-0099
HP	1/4
VOLTS	115
HZ	60
AMPS	3.9
RPM	11
RATIO	163.6:1
TORQUE	1080 IN.-LBS

YELLOW
RED
BLUE
BLACK

To reverse rotation interchange red and black leads.

MM/DD/YYYY NNN

MOTOR TYPE: 1

Irwin Seating Company Telescopic Division **THREE PHASE AC GEARMOTOR**

MODEL	017-762-1099
HP	1/2 1/2
VOLTS	208-230 480 / 240
HZ	60 60 / 50
AMPS	1.8 0.9 / 2.0
RPM	17 17/15
RATIO	89.41:1
TORQUE	1750 IN.-LBS

MM/DD/YYYY NNN

MOTOR TYPE: 2

Irwin Seating Company Telescopic Division **THREE PHASE AC GEARMOTOR**

MODEL	EP15030-1
HP	1/2 INT. DUTY
VOLTS	208-230/480 240
HZ	60 50
AMPS	2.5-2.7/1.4 4.8
RPM	15.5 12.4
RATIO	111:1
TORQUE	1750 IN.-LBS
DTY. CYC	2 MIN ON, 30 MIN OFF

MM/DD/YY

TO REVERSE ROTATION, INTERCHANGE EXTERNAL CONNECTION TO ANY TWO LINE LEADS

WHITE/RED/WHITE
WHITE/RED/WHITE

MOTOR TYPE: 3

Motors overcurrent protection is provided by direct thermal protection and/or by Branch Circuit Protectors.
 Reference NEC: Intermittent and similar duty motors. Note: Motors less than 1hp.

A
6
 ELECTRICAL RELEASE A
 SCALE: 1/8" = 1'-0"

No.	Revision/Issue	Rev Date	Drafter Initials	Apprv'd Date	Engineer Initials
C	ADDED DIMS & DETAILS	4-19-18	KDG	4/24/18	KMR
B	REV. PER ICR #1	3/9/18	NDC	03/13/18	KMR
A	MADE SHOPS	2/13/18	NDC	02/14/18	KMR

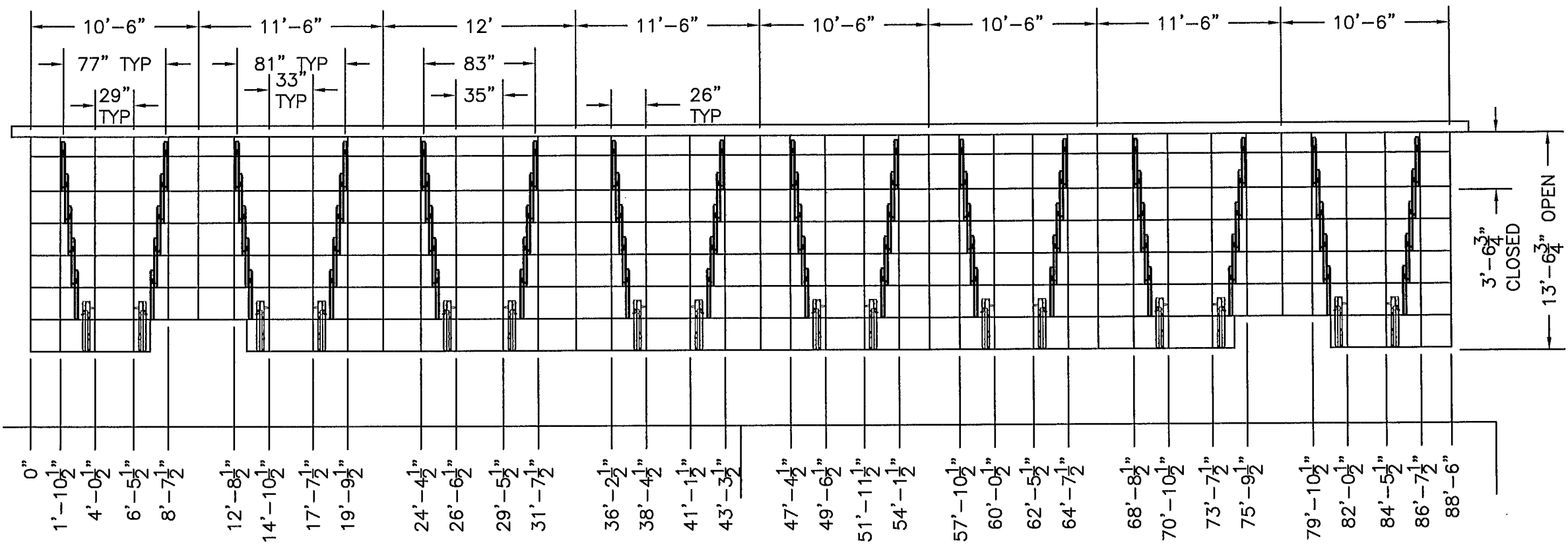
CITY TECH ACADEMIC BUIDLING CUNY
BROOKLYN NY

ELECTRICAL REL 1	DWG. NO. SHOPS
SCALE: 1/8" = 1'	DATE: 1/10/17
DRAWN BY: NDC	PRJ. NO. G102294
CHECKED BY: KMR	SHEET 6 OF 8
	REV. NO. C

ALTHOUGH BUILDING CODES HAVE BEEN CONSIDERED IN DEVELOPING THIS SEATING PLAN, VERIFICATION OF COMPLIANCE WITH BUILDING CODES IS THE EXCLUSIVE RESPONSIBILITY OF THE CUSTOMER AND/OR ARCHITECT.



TELESCOPIC DIVISION
 US ROUTE 40 EAST
 PO BOX 320
 ALTAMONT, IL 62411
 Toll Free: (877) 597-1122
 Phone: (618) 483-6157
 Fax: (618) 483-5539
 www.irwinseating.com



Irwin Seating Company
 Floor Design Loads & Notes:

- Per ICC-300-2012
- Bleacher structure is designed for a uniform load of 100 pounds per square foot (psf) (ICC-300-2012, Table 303.2)
- Bleacher vertical design load is 120 pounds per linear foot (plf) (ICC-300-2012, Table 303.02)
- The 120 plf vertical design load will be used for Wheel Load calculations.**

NOTE:
 The design loads presented are calculated per the Design Requirements of ICC-300-2012. The Project Architect and/or Other Design Professional should review these loads for compliance with Governing Building Codes and compatibility with other Building Systems.

<p>Controlling Section Length: 12'-0" Seating Rows: 7 Gross Projected Area: 12'-0" x 13'-7" = 163 sq. ft.</p> <p>Wheel Path Area Closed Position 3'-7" x 2'-0" x 2 wheel paths = 14.3 sq. ft. Open Position 13'-7" x 2'-0" x 2 wheel paths = 54.3 sq. ft.</p> <p>Total Load 11,873 lbs. Dead Load 11.0 psf x 163.0 sq. ft. = 1,793 lbs. Live Load 120.0 plf x 7 rows x 12'-0" length = 10,080 lbs</p>	<p>Distributed Loads Over Wheel Path Area Closed Position 1,793 lbs. + 14.3 sq. ft. = 125 psf Open Position 11,873 lbs. + 54.3 sq. ft. = 219 psf</p> <p>Wheel Loads Number of Wheels 6 wheels per deck x 6 deck rows = 36 wheels Load per Wheel 11,873 lbs. ÷ 36 wheels = 330 lbs. per wheel</p> <p>Point Loads:(Live Load) Live Load per Wheel 330 lbs/wheel. Wheel Pressure (Live Load) 240 psi Concentrated Load</p>
--	--

C	ADDED DIMS & DETAILS	4-19-18	KDG	9/24/18	[Signature]
B	REV. PER ICR #1	3/9/18	NDC	03/13/18	KMR
A	MADE SHOPS	2/13/18	NDC	02/14/18	KMR
No.	Revision/Issue	Rev Date	Drafter Initials	Apprv'd Date	Engineer Initials

CITY TECH ACADEMIC BUIDLING CUNY
BROOKLYN NY

WHEELPATH REL A	DWG. NO. SHOPS
SCALE: 1/8" = 1'	DATE
DRAWN BY: NDC	1/10/17
CHECKED BY: KMR	01/12/18
PRJ. NO. G102294	SHEET 7 OF 8
REV. NO. C	

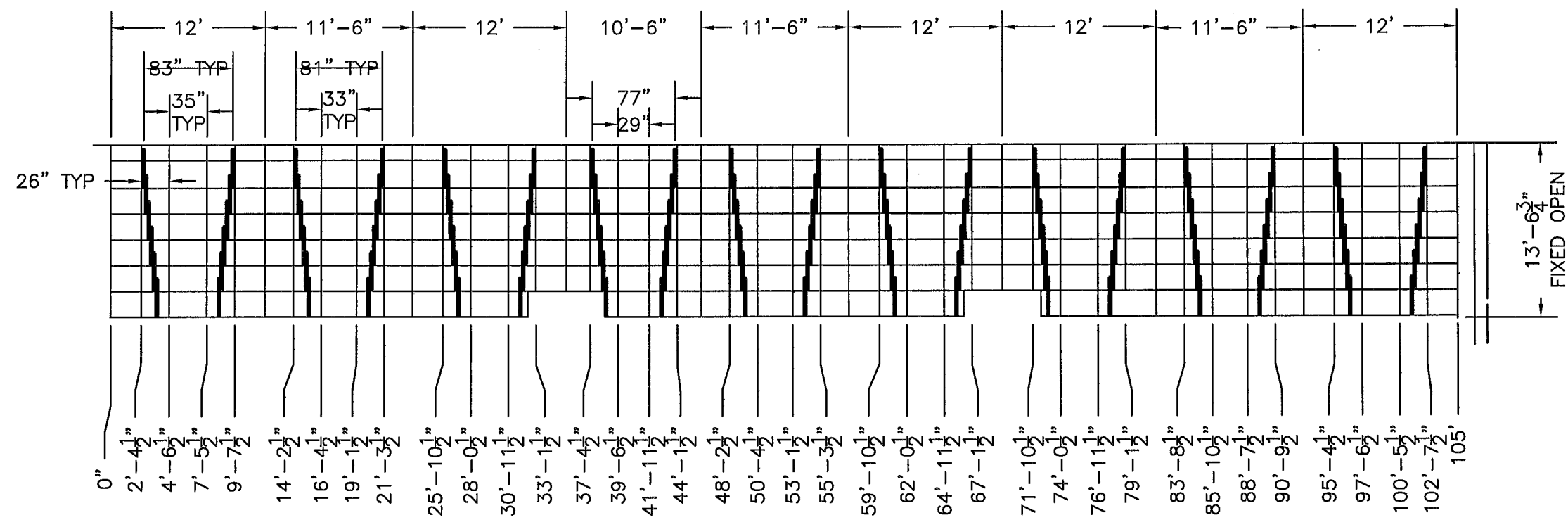
A
7

WHEELPATH RELEASE A
 SCALE: 1/8" = 1'-0"

ALTHOUGH BUILDING CODES HAVE BEEN CONSIDERED IN DEVELOPING THIS SEATING PLAN, VERIFICATION OF COMPLIANCE WITH BUILDING CODES IS THE EXCLUSIVE RESPONSIBILITY OF THE CUSTOMER AND/OR ARCHITECT.



TELESCOPIC DIVISION
 US ROUTE 40 EAST
 PO BOX 320
 ALTAMONT, IL 62411
 Toll Free: (877) 597-1122
 Phone: (618) 483-6157
 Fax: (618) 483-5539
 www.irwinseating.com



Irwin Seating Company

Floor Design Loads & Notes:

- Per ICC-300-2012
- Bleacher structure is designed for a uniform load of 100 pounds per square foot (psf) (ICC-300-2012, Table 303.2)
- Bleacher vertical design load is 120 pounds per linear foot (plf) (ICC-300-2012, Table 303.02)
- The 120 plf vertical design load will be used for Wheel Load calculations.**

NOTE:

The design loads presented are calculated per the Design Requirements of ICC-300-2012. The Project Architect and/or Other Design Professional should review these loads for compliance with Governing Building Codes and compatibility with other Building Systems.

CONFIRM TREADS, GUARDS AND HANDRAILS ARE DESIGNED PER ICC-300

<p>Controlling Section Length: 12'-0" Seating Rows: 7 Gross Projected Area: 12'-0" x 13'-7" = 163 sq. ft.</p> <p>Wheel Path Area Closed Position 13'-7" x 2'-0" x 2 wheel paths = 54.3 sq. ft. Open Position 13'-7" x 2'-0" x 2 wheel paths = 54.3 sq. ft.</p> <p>Total Load 11,873 lbs. Dead Load 11.0 psf x 163.0 sq. ft. = 1,793 lbs. Live Load 120.0 plf x 7 rows x 12'-0" length = 10,080 lbs</p>	<p>Distributed Loads Over Wheel Path Area Closed Position 1,793 lbs. + 54.3 sq. ft. = 33 psf Open Position 11,873 lbs. + 54.3 sq. ft. = 219 psf</p> <p>Wheel Loads Number of Wheels 6 wheels per deck x 6 deck rows = 36 wheels Load per Wheel 11,873 lbs. + 36 wheels = 330 lbs. per wheel</p> <p>Point Loads: (Live Load) Live Load per Wheel 330 lbs/wheel. Wheel Pressure (Live Load) 240 psi Concentrated Load</p>
---	---

No.	Revision/Issue	Rev Date	Drafter Initials	Apprv'd Date	Engineer Initials
C	ADDED DIMS & DETAILS	4-19-18	KDG	4/24/18	[Signature]
B	REV. PER ICR #1	3/9/18	NDC	03/13/18	KMR
A	MADE SHOPS	2/13/18	NDC	02/14/18	KMR

CITY TECH ACADEMIC BUILDING CUNY
BROOKLYN NY

WHEELPATH REL B	DWG. NO. SHOPS
SCALE: 1/8" = 1'	DATE 1/10/17
DRAWN BY: NDC	PRJ. NO. G102294
CHECKED BY: KMR	SHEET 8 OF 8
	REV. NO. C

A
8

WHEELPATH RELEASE B
 SCALE: 1/8" = 1'-0"

ALTHOUGH BUILDING CODES HAVE BEEN CONSIDERED IN DEVELOPING THIS SEATING PLAN, VERIFICATION OF COMPLIANCE WITH BUILDING CODES IS THE EXCLUSIVE RESPONSIBILITY OF THE CUSTOMER AND/OR ARCHITECT.

1. REFER PREVIOUS AND CURRENT COMMENTS AND ALL COMMENTS.
2. VERIFY ALL DIMENSIONS IN THE FIELD.
3. COORDINATE THE POWER REQUIREMENTS WITH ELECT AND OTHER TRADES.
4. COORDINATE AND IDENTIFY OVERALL ROOM DIMENSIONS. ALL EGRESS PATHS MUST BE MAINTAINED PER CONTRACT DOCUMENTS.
5. SUBMIT LEED REQUIRED DATA AS PER SPECS INCLUDING CHAIN OF CUSTODY CERTIFICATES CERTIFYING COMPLIANCE WITH FOREST CERTIFICATION REQUIREMENTS AND MATERIAL COSTS.
6. Coordinate location of motorized bleacher power infeed and final connections with manufacturer.
7. Electrical contractor to provide (1) 208V/3 Phase – 20A circuit to bleacher motor power source. Utilize available spare circuits in panel UP-SC2-A2. Manufacturer to provide all code required motor circuit protection, etc within power source box. Electrical contractor to provide wiring to power source per manufacturer's requirements.
8. Motor selection to coordinate with circuit being provided.

1. Coordinate location of motorized bleacher power infeed and final connections with manufacturer.
2. Electrical contractor to provide (1) 208V/3 Phase – 20A circuit to bleacher motor power source. Utilize available spare circuits in panel UP-SC2-A2. Manufacturer to provide all code required motor circuit protection, etc within power source box. Electrical contractor to provide wiring to power source per manufacturer's requirements.
3. Motor selection to coordinate with circuit being provided.