

JUPITER HIGH SCHOOL

Issue: Vertical accessibility to all rows of seats in a bleacher system.

Analysis: The applicant is requesting a waiver from providing vertical accessibility to all 10 rows of seats in a bleacher system. No wheelchair seats are provided in the actual bleachers, and four are planned for ground level immediately adjacent to the bleachers. Additional companion seats are required. The project will cost \$12,710 and although no estimates were provided, according to the applicant it would increase the project cost tenfold to make each row of the bleachers accessible.

Project Progress:

The project is under design.

Items to be Waived:

Vertical accessibility to all rows of bleachers, as required by Section 553.509, Florida Statutes.

553.509 Vertical accessibility. Nothing in Sections 553.501-553.513 or the guidelines shall be construed to relieve the owner of any building, structure or facility governed by those sections from the duty to provide vertical accessibility to all levels above and below the occupiable grade level regardless of whether the guidelines require an elevator to be installed in such building, structure or facility, except for:

- (1) Elevator pits, elevator penthouses, mechanical rooms, piping or equipment catwalks and automobile lubrication and maintenance pits and platforms;
- (2) Unoccupiable spaces, such as rooms, enclosed spaces and storage spaces that are not designed for human occupancy, for public accommodations or for work areas; and
- (3) Occupiable spaces and rooms that are not open to the public and that house no more than five persons, including, but not limited to equipment control rooms and projection booths.

Waiver Criteria: There is no specific guidance for a waiver of this requirement in the code. The Commission's current rule, authorized in Section 553.512, Florida Statutes, provides criteria for granting waivers and allows consideration of unnecessary or extreme hardship to the applicant if the specific requirements were imposed.

This application is available in alternate formats upon request.

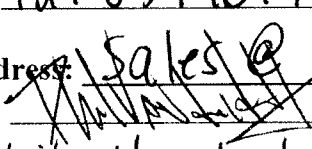
**REQUEST FOR WAIVER FROM ACCESSIBILITY REQUIREMENTS
OF CHAPTER 553, PART V, FLORIDA STATUTES**

Your application will be reviewed by the Accessibility Advisory Council and its recommendations will be presented to the Florida Building Commission. You will have the opportunity to answer questions and/or make a short presentation, not to exceed 15 minutes, at each meeting. The Commission will consider all information presented and the Council's recommendation before voting on the waiver request.

1. Name and address of project for which the waiver is requested.

Name: Jupiter High School
Address: 500 North Military Trail
Jupiter, Florida 33458

2. Name of Applicant. If other than the owner, please indicate relationship of applicant to owner and written authorization by owner in space provided:

Applicant's Name: C. Phil Vanderhider
Applicant's Address: 2347 Circuit Way Brooksville, FL
Applicant's Telephone: 727-539-1017 FAX: 352-799-0308
Applicant's E-mail Address: Sales @ Seating USA. com
Relationship to Owner: SELF
Owner's Name: C. Phil Vanderhider
Owner's Address: 2347 Circuit Way, Brooksville, FL
Owner's Telephone: 727-539-1017 FAX 352-799-0308
Owner's E-mail Address: ~~Sales @ Seating USA. com~~
Signature of Owner: 
Contact Person: Phil Vanderhider
Contact Person's Telephone: 727-539-1017 E-mail Address: sales@SeatingUSA.com

This application is available in alternate formats upon request.
Form No. 2001-01

3. Please check one of the following:

New construction.

Addition to a building or facility.

Alteration to an existing building or facility.

Historical preservation (addition).

Historical preservation (alteration).

4. **Type of facility.** Please describe the building (square footage, number of floors). Define the use of the building (i.e., restaurant, office, retail, recreation, hotel/motel, etc.)

10 rows x 27' long non-elevated aluminum angle
frame bleacher. 812 square feet of concrete.
Baseball bleacher at high school.

5. **Project Construction Cost** (Provide cost for new construction, the addition or the alteration):

\$ 12,710.00 + \$ 10,353.00 (concrete option)

6. **Project Status:** Please check the phase of construction that best describes your project at the time of this application. Describe status.

Under Design Under Construction*

In Plan Review Completed*

* Briefly explain why the request has now been referred to the Commission.

In speaking with Tom Hogarth, Building Department
Director of School District of Palm Beach County, we
were informed that the proposed design could not
be approved without a waiver.

7. **Requirements requested to be waived.** Please reference the applicable section of Florida law. Only Florida-specific accessibility requirements may be waived.

Issue

1: Florida Building Code, Section 553.509,
vertical accessibility

Issue

2: _____

Issue

3: _____

8. **Reason(s) for Waiver Request:** The Florida Building Commission may grant waivers of Florida-specific accessibility requirements upon a determination of unnecessary, unreasonable or extreme hardship. Please describe how this project meets the following hardship criteria. Explain all that would apply for consideration of granting the waiver.

The hardship is caused by a condition or set of conditions affecting the owner which does not affect owners in general.

See attached

Substantial financial costs will be incurred by the owner if the waiver is denied.

See attached

[] The owner has made a **diligent investigation** into the costs of compliance with the code, but cannot find an efficient mode of compliance. Provide detailed cost estimates and, where appropriate, photographs. Cost estimates must include bids and quotes.

9. Provide documented cost estimates for each portion of the waiver request and identify any additional supporting data which may affect the cost estimates. For example, for vertical accessibility, the lowest documented cost of an elevator, ramp, lift or other method of providing vertical accessibility should be provided, documented by quotations or bids from at least two vendors or contractors.

a. The cost to provide access to every level of the bleacher would exceed the cost of the project approximately tenfold. It would require ramp access to every level of seating, wheelchair cutouts for every row, and 5' spacing between each row.

10. Licensed Design Professional: Where a licensed design professional has designed the project, his or her comments MUST be included and certified by signature and affixing of his or her professional seal. The comments must include the reason(s) why the waiver is necessary.

COMMENTS ARE GIVEN AS TO WHY




Signature

HAROLD RADCLIFFE

Printed Name

Phone number 772 392-0509

(SEAL)

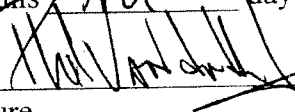


Harold Radcliffe
401 S. Bath Club Blvd.
N. Redington Beach, FL 33708
PE 6283 (727) 392-0509

CERTIFICATION OF APPLICANT:

I hereby swear or affirm that the applicable documents in support of this Request for Waiver are attached for review by the Florida Building Commission and that all statements made in this application are to the best of my knowledge true and correct.

Dated this 3rd day of March, 20 09



Signature

C. Phil Vanderhider
Printed Name

By signing this application, the applicant represents that the information in it is true, accurate and complete. If the applicant misrepresents or omits any material information, the Commission may revoke any order and will notify the building official of the permitting jurisdiction. Providing false information to the Commission is punishable as a misdemeanor under Section 775.083, Florida Statutes.

REVIEW AND RECOMMENDATION BY LOCAL BUILDING DEPARTMENT.

Please state why the issue is being referred to the Florida Building Commission as well as a recommendation for disposition. The Building Official or his or her designee should review the application and indicate that to the best of his or her knowledge, all information stipulated herein is true and accurate. Further, if this project is complete, explain why it is being referred to the Commission. The Building Official or his or her designee should sign a copy of the plans accompanying this application as certification that such plans are the same as those submitted for building department review. Please reference the applicable section of the Accessibility Code.

- a. WALKER NEEDED TO PROVIDE VERTICAL ACCESSIBILITY PURSUANT TO
- b. FBC 11.4.1.3(5)
- c. _____

Has there been any permitted construction activity on this building during the past three years? If so, what was the cost of construction?

Yes No Cost of Construction _____

Comments/Recommendation RECOMMEND APPROVAL

Jurisdiction PALM BEACH COUNTY SCHOOL DISTRICT

Building Official or Designee T. HOGARTH
Signature

THOMAS HOGARTH
Printed Name

BU0000316
Certification Number

561-688-7687
Telephone/FAX

Address: 3300 SUMMIT BLVD., WEST PALM BEACH, FL 33408

**BUILDING DEPARTMENT
PALM BEACH COUNTY
SCHOOL DISTRICT**



Bleachers • Benches • Scoreboards • Shade Structures • Dugouts • Scorer Platforms • Press Boxes • Ramps • Stairs • Soccer Goals

March 3, 2009

Project: Jupiter High School
500 Military Trail
Jupiter, Florida 33458

Reason for Request for Waiver:

The nature of stadium and bleacher design is not able to accommodate wheelchairs on all levels without resulting in a highly inefficient design and making the cost of the project unattainable for the Palm Beach County School district. Granting such access to all levels of seating would require ramp access to each level, wheelchair cutouts on every row, and 5' spacing between each row. Our current design accommodates handicap accessibility at the first level of seating, as per Florida Building Code 2007, with 2009 amendments.

Sincerely,

John Langston IV
Director of Engineering
Seating Constructors USA, Inc.

BASEBALL BLEACHER

JUPITER HIGH SCHOOL

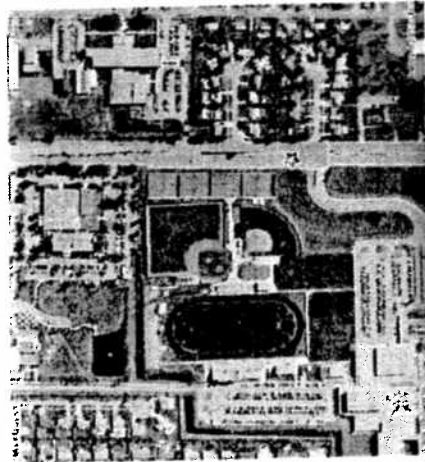
500 MILITARY TRL
JUPITER, FL 33458

(1) UNIT NON-ELEVATED 10 ROW 27'

DRAWING INDEX:

- 0.0 COVER / INDEX SHEET / GENERAL NOTES
- 1.0 FOUNDATION PLAN / BLEACHER PLAN & TYP. BLEACHER SECTION
- 2.0 BLEACHER ELEVATION / TYP. DETAILS & ENGINEERING CALCULATIONS

LOCATION OF 1 UNIT NON-ELEVATED 10 ROW 27' ALUMINUM ANGLE FRAME BLEACHERS



SITE MAP
SCALE N.T.S.

DESCRIPTION OF WORK:
INSTALLATION OF 1 UNIT NON-ELEVATED 10 ROW 27' ALUMINUM ANGLE FRAME BLEACHERS
INCLUDED OVERLAP, GROUNDING SYSTEM

BLEACHERS WILL BE INSTALLED ON A NEW 2' CONCRETE SLAB FOUNDATION
BLUVAE NOT PROVIDED BY OWNER. EXACT LOCATION OF BLEACHERS TO BE DIRECTED BY OWNER

GENERAL NOTES:
THIS IS TO VERIFY THAT ALL CONSTRUCTION SHALL COMPLY WITH THE 2007 FLORIDA BUILDING CODE WITH ALL AMENDMENTS, AS WELL AS
S.F.P.F. THE 2007 FLORIDA FIRE PREVENTION CODE AND IFC A.810.8.10.2
WIND VELOCITY 140 M.P.H. APPLIED PER 2007 FLORIDA BUILDING CODE WITH ALL AMENDMENTS IN ACCORDANCE WITH SECTION 1609 AND
A.B.C.E. 7.0. THIS STRUCTURE HAS BEEN DESIGNED TO THE WIND LOAD IMPORTANCE FACTOR OF 1.157 & 5.0 SECTION 1609.1.1

STRUCTURAL LOADS AS PER ASCE 7.10:
DEAD LOAD 15 PSF
LIVE LOAD 10 PSF
WIND LOAD PERPENDICULAR 24 PSF
WIND LOAD PARALLEL 15 PSF
SEAT AND FLOOR PLANK 150 PSF

ALL STRUCTURAL ALUMINUM SHALL BE TYPE 6061-T6 UNLESS OTHERWISE SPECIFIED BY OTHER SPEC. SECTIONS
ALL DIMENSIONS SHALL BE IN FEET AND INCHES UNLESS OTHERWISE SPECIFIED BY OTHER SPEC. SECTIONS
ALL DIMENSIONS SHALL BE IN FEET AND INCHES UNLESS OTHERWISE SPECIFIED BY OTHER SPEC. SECTIONS

ALL CONNECTIONS SHALL BE DESIGNED TO CARRY THE FULL LOADS THAT ARE ASSIGNED TO THE UNIT. LOADS SHALL BE THE UNIFORM LOADS OF THE A.I.S.I.
ALL EXPANSION JOINTS SHALL BE GALVANIZED STEEL. X-7

ALL CHAIRING BRACING MEETS THE DIAGONAL LOAD CRITERIA IN TABLE 4.10.1 SECTION 4.10 PER F.P.C. CHAPTER 16
HORIZONTAL BRACING AND GUARDS SHALL BE ABLE TO RESIST A SINGLE CONCENTRATED LOAD OF 200 POUNDS APPLIED IN ANY
DIRECTION AT ANY POINT

ALL HANDRAILS TO BE UNLATCHED

Seating Constructors USA Inc.

STRUCTURAL ENGINEER
THOMAS R. MADRICH, P.E.
1000 N.W. 11TH AVENUE
SUITE 1000
MIAMI, FL 33136
PHONE: (305) 575-0000

STRUCTURAL ONLY

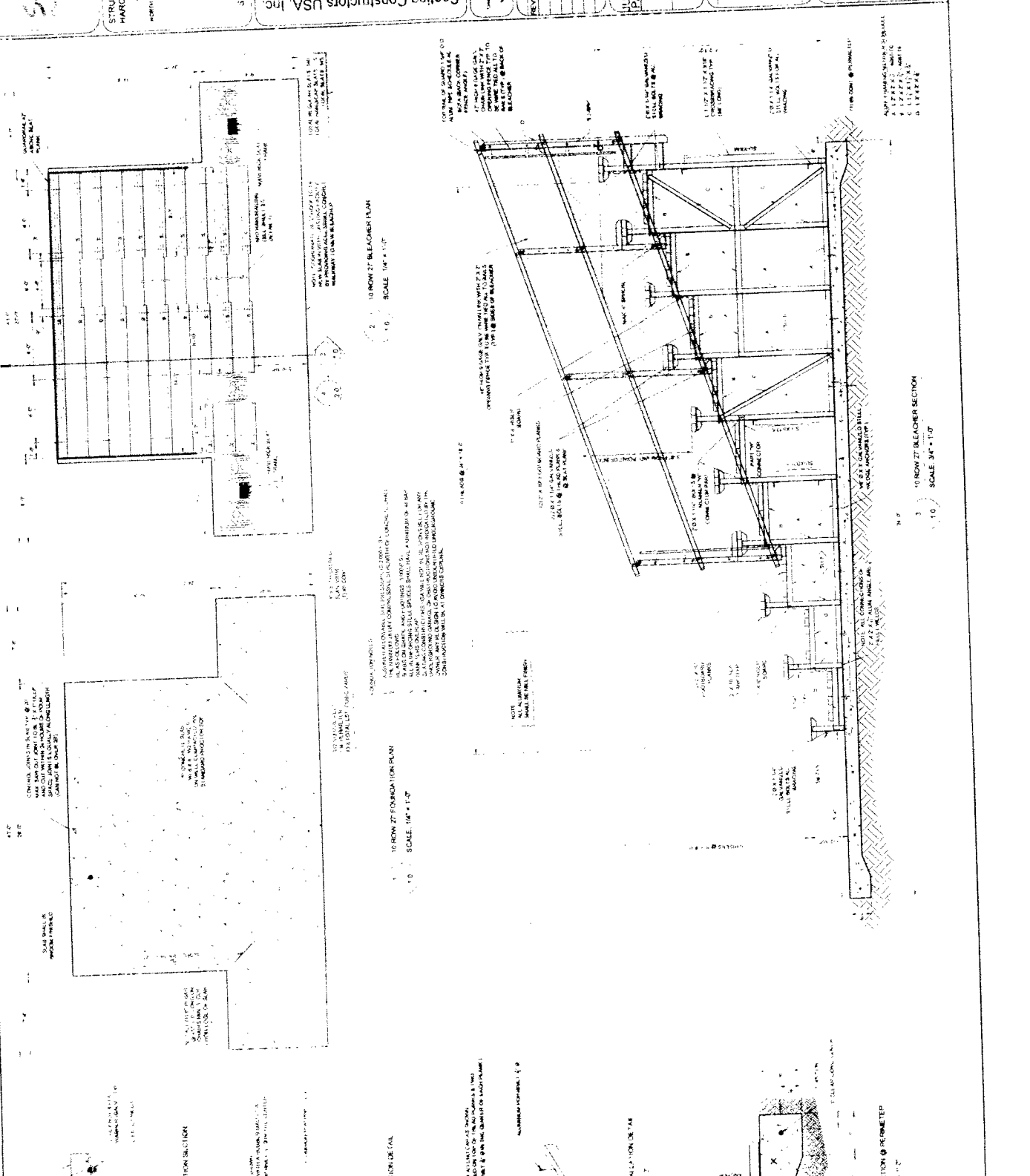
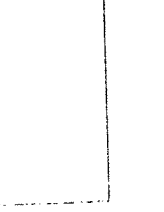
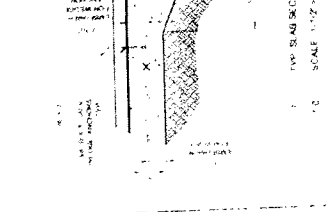
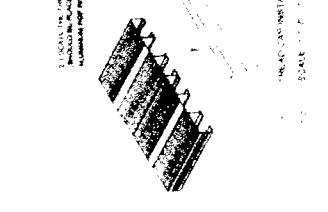
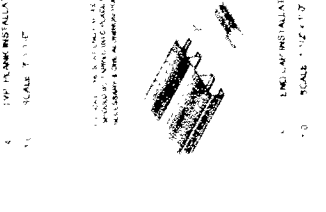
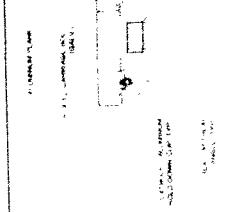
Seating Constructors USA Inc.
OUTDOOR BLEACHERS & GRANDSTANDS
2347 CAROLINE WAY
BROOKSVILLE, FL 34604
P: 727-539-1211 F: 352-799-0208
TOLL FREE: 1-877-583-5226
WWW.SEATINGUSA.COM
OFF: 158434

REVISIONS:
NO. DATE DESCRIPTION

CLIENT: CHRYSLER
JUPITER HIGH SCHOOL
PALM BEACH COUNTY
LOCATION:
500 MILITARY TRL
JUPITER, FL 33458
PROJECT:
(1) 10 ROW 27'
BLEACHER
SHEET TITLE

COVER:
INDEX SHEET /
GENERAL NOTES

SCALE: AS NOTED
DRAWN BY:
B.L.L.
APPROVED BY:
J.L.L./H.R.
DATE:
08-03-09
JOB NUMBER:
0843433
DRAWING:
0.0
SHEET 1 OF 3



STRUCTURAL ENGINEER
HAROLD RADZINER, P.E.
141 SOUTH WYATT ROAD
WEST PALM BEACH, FL 33411
PHONE: 561-832-2222

Sealing Constructors USA, Inc.
2347 CIRCUIT WAY
BROOKSVILLE, FL 34604
P. 772-539-1017 F. 352-799-0008
WWW.SEALINGUSA.COM
DSC 1103274

REVISIONS:
DATE: 03-03-2009
BY: J.L.C./H.B.
JOB NUMBER: 8442
DRAWING: 10
SHEET 2 OF 2

CLIENT: JUPITER HIGH SCHOOL
LOCATION: PALM BEACH COUNTY
500 MILITARY TRAIL
JUPITER, FL 33408
(1) 10 ROW 27 BLEACHER

FOUNDATION PLAN & BLEACHER PLAN & TYP. BLEACHER SECTION

SCALE: AS NOTED
DRAWN BY:
APPROVED BY:
DATE: 03-03-2009
JOB NUMBER: 8442
DRAWING: 10
SHEET 2 OF 2

APPROVED BY: J.L.C./H.B.
DATE: 03-03-2009
JOB NUMBER: 8442
DRAWING: 10
SHEET 2 OF 2

