

ASTRONAUT HIGH SCHOOL

Analysis: The applicant is requesting a waiver from providing vertical accessibility to all rows of bleachers in a new, \$29,000 bleacher and pressbox facility. Access will be provided to the pressbox by means of a chair lift. The project design provides wheelchair and companion seating on the first level of the 3,000 seat home area and 1,000 seat visitors' area. According to the applicant it would be impracticable to provide seating at all levels because of the limited amount of land available for the project.

Project Progress:

The project is under construction.

Items to be Waived:

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

Owner's E-mail Address: GeiserG@brevard.k12.fl.us

Signature of Owner:  _____

Contact Person: Gary Geiser

Contact Person's Telephone: 321.633.1000

E-mail Address: GeiserG@brevard.k12.fl.us

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.)

The facility consists of new bleachers and pressbox being constructed for the new football field at the above referenced project. 3000 seats for the home team and 1000 seats for the visiting team.

5. Project Construction Cost (Provide cost for new construction, the addition or the alteration): Total project cost \$29,000,000

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.

The school board Building Official has requested that the project be reviewed for an accessibility waiver regarding vertical accessibility to all levels (rows) of the football

bleacher structure. Vertical accessibility is provided to the pressbox.

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

Issue

1: **FCB 2004 11-4.1.2 Accessible site and exterior facilities: new construction.**

Vertical accessibility to all levels of the bleacher structure.

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.

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

The project under consideration is the construction of bleachers and pressbox for football spectators. Provision has been made for vertical accessibility to the pressbox by means of a chair lift that runs through the center of the bleachers. The waiver requested is the requirement for wheelchair accessibility to all levels (rows) of the bleacher structure. Provision has been made for wheelchair accessible spaces and companion spaces at the first level of the bleacher structure which is accessed

by a code compliant ramp. To construct bleachers with accessible spaces dispersed throughout the structure would impracticable from a constructability standpoint and would require more space than is available on the limited site area.

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

[] 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.

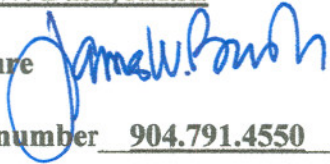
b.

c.

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.

The comments above in item 8 are from the licensed design professional

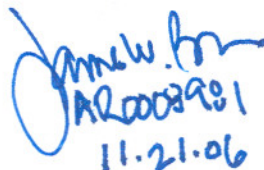
James W. Bush, A.I.A.

Signature 

Printed Name JAMES W. BUSH

Phone number 904.791.4550

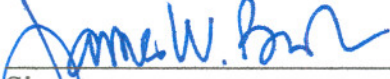
(SEAL)



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 21st day of November, 2006



Signature

James W. Bush

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.

b.

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 [X] No Cost of Construction

Comments/Recommendation

Approval of Waiver

Jurisdiction School Board of Brevard County, Florida

Building Official or Designee

Signature

David W. Sterphone

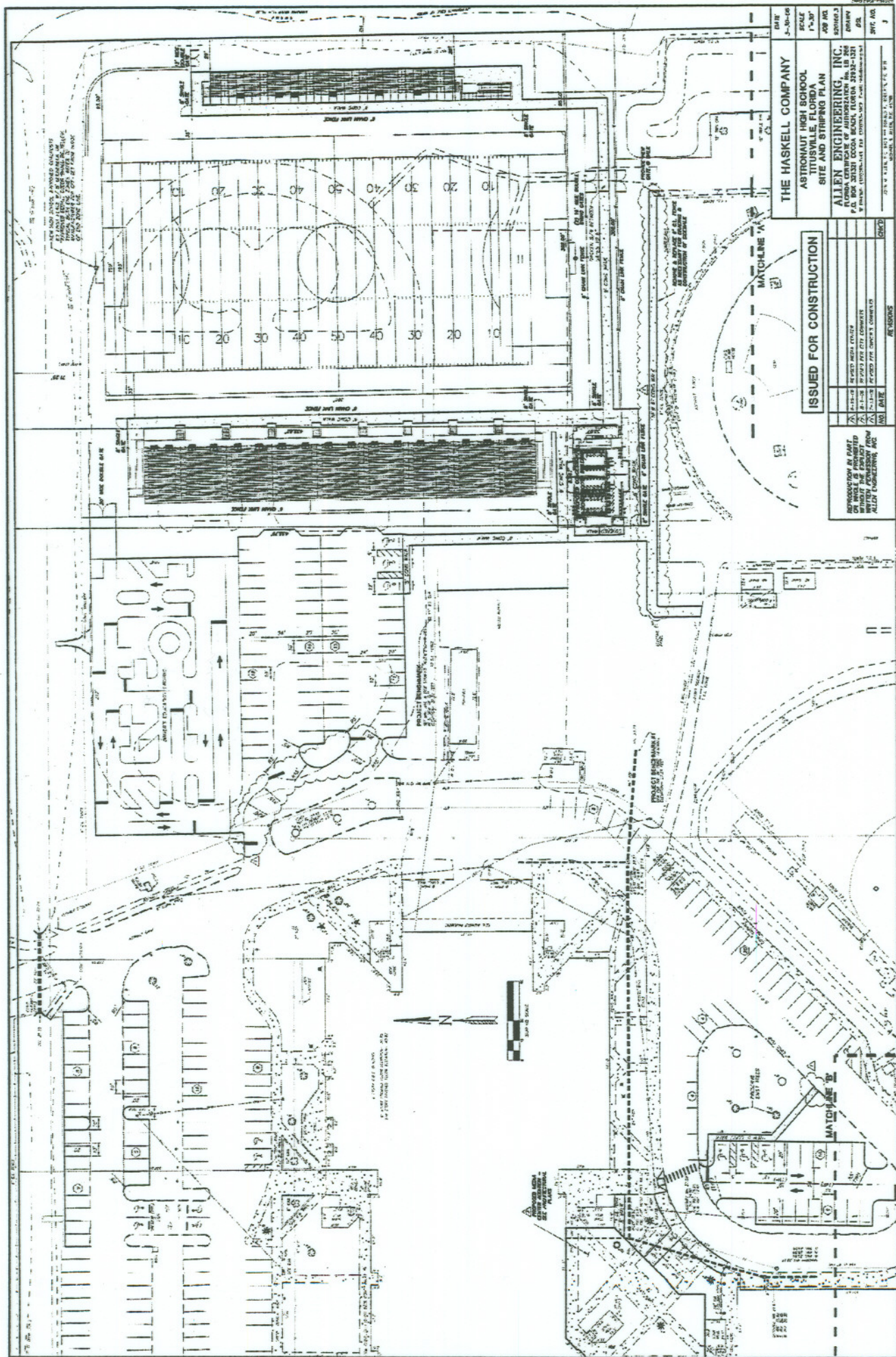
David Sterphone

Printed Name

BU 518

Certification Number

321.794.4717



DATE	3-10-66
SCALE	1"=50'
DRAWN BY	AWJ
CHECKED BY	AWJ
PROJECT	ASTRONAUT HIGH SCHOOL TITUSVILLE, FLORIDA SITE AND STRIPING PLAN
ENGINEER	ALLEN ENGINEERING, INC. 1000A CENTRAL AVENUE, SUITE 200 TITUSVILLE, FLORIDA 32781 A MEMBER COMPANY OF THE HASKELL COMPANY
BY	AWJ
DATE	3

ISSUED FOR CONSTRUCTION

NO.	DATE	DESCRIPTION
1	3-10-66	ISSUED FOR CONSTRUCTION
2	3-10-66	ISSUED FOR CONSTRUCTION
3	3-10-66	ISSUED FOR CONSTRUCTION
4	3-10-66	ISSUED FOR CONSTRUCTION
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9	3-10-66	ISSUED FOR CONSTRUCTION
10	3-10-66	ISSUED FOR CONSTRUCTION

REPRODUCTION IN PART
WITHOUT THE PERMISSION OF
ALLEN ENGINEERING, INC.

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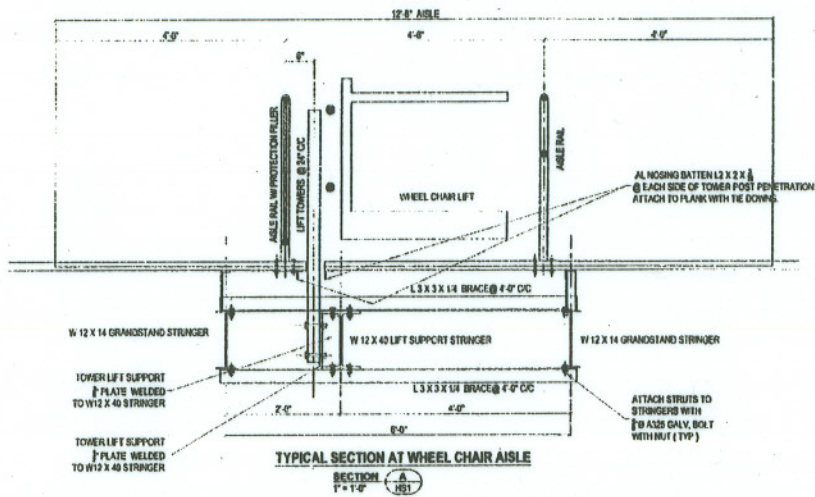
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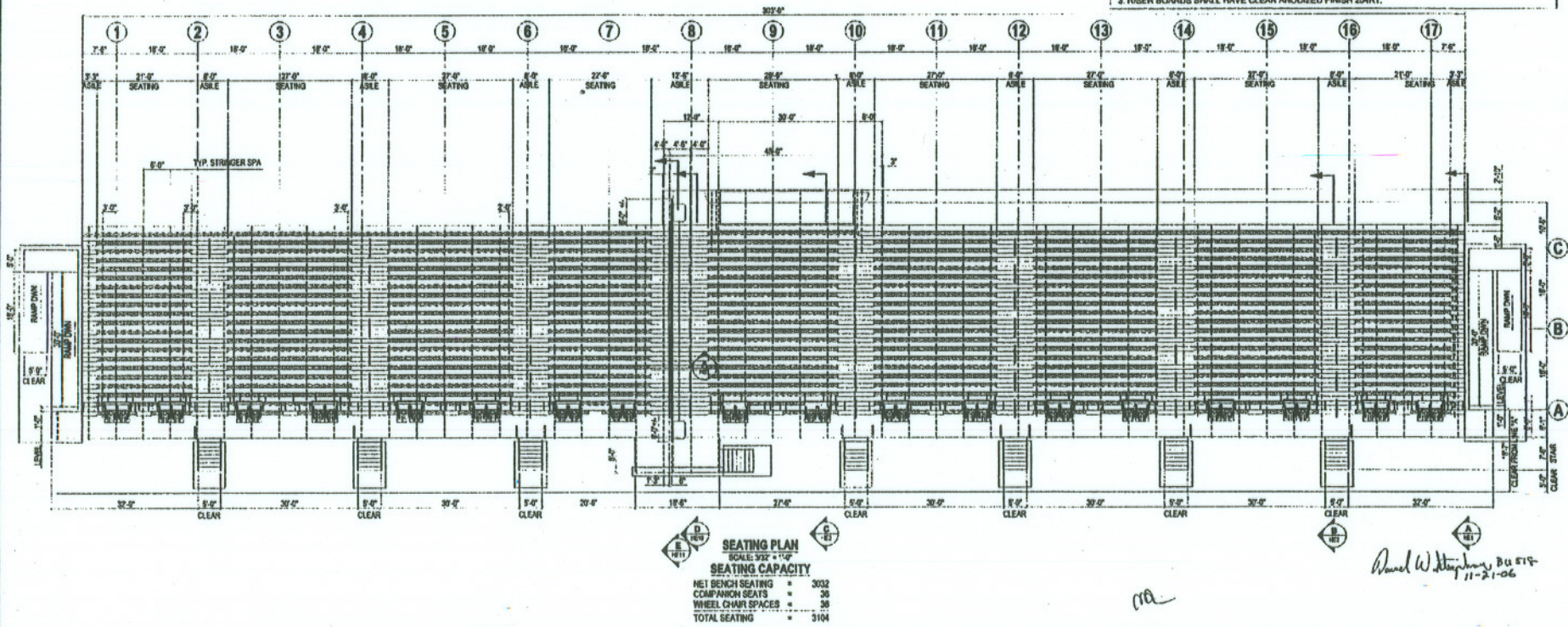
3-10-66

ISSUED FOR CONSTRUCTION

AWJ



- GENERAL NOTES:**
- STRUCTURAL DESIGN IS IN ACCORDANCE WITH FLORIDA BUILDING CODE 2001, SECT 1608 & NFPA 101, CURRENT EDITION.
 - LOADS USED IN THE STRUCTURAL DESIGN ARE AS FOLLOWS:
 LIVE LOADS
 GRANDSTAND (GROSS HORIZONTAL PROJECTION) 100 PSF
 HORIZONTAL SWAY PARALLEL TO SEATS 24 PLF OF SEAT
 HORIZONTAL SWAY PERPENDICULAR TO SEATS 10 PLF OF SEAT
 SEAT AND FOOT BOARDS 120 PLF
 - IMPORTANCE FACTOR (I 15)
 - EXPOSURE CATEGORY (B)
- RAILING:**
 (AS PER SECTION 1207.2, 1991 ADDITION STANDARD BUILDING CODE)
- THE 200 POUND CONDENSED LOAD AT TOP RAIL AT ANY POINT AND ORIENTED IN ANY DIRECTION.
 - THE 50 psf UNIFORM HORIZONTAL LOAD SHALL BE APPLIED AT GUARDRAIL HEIGHT.
 - THE 100 psf UNIFORM LOAD SHALL BE APPLIED AT TOP OF GUARDRAIL AND ORIENTED VERTICALLY DOWNWARD.
 - WIND LOADING STANDARD SHALL BE ASCE 7-98, not ANSI A58.1-1982.
 BASIC WIND SPEED 130 MPH
- ALLOWABLE STRESSES HAVE BEEN INCREASED BY 1/3 FOR LOAD COMBINATIONS INCLUDING WIND LOADS AND/OR SWAY LOAD
- ASSUMED SOIL BEARING CAPACITY 2000 PSF.
- STEEL:**
- STRUCTURAL STEEL SHALL CONFORM TO THE A.I.S.C. SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDING, NINTH EDITION.
 - STEEL ROLLED W-SHAPES SHALL CONFORM TO ASTM A-972 GR. 60. STEEL ANGLES, PLATES AND DETAIL MATERIAL SHALL CONFORM TO ASTM A-36.
 - STEEL TO BE HOT DIP GALVANIZED.
 - WELDING SHALL CONFORM TO AWS D-1.1 STRUCTURAL WELDING CODE. ELECTRODES SHALL BE E70.
 - BOLTS SHALL BE HOT DIP GALVANIZED ASTM A325 FOR ALL STRUCTURAL CONNECTIONS.
- ALUMINUM:**
- PLANKS SHALL BE EXTRUDED ALUMINUM ALLOY 6063-T6.
 - SEAT PLANKS SHALL HAVE CLEAR ANODIZED FINISH 204R1.
 - RISER BOARDS SHALL HAVE CLEAR ANODIZED FINISH 204R1.



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Astronaut High School
 Titusville, FL
 (1) 21 ROW x 303'-0"

HOMESIDE SEATING PLAN

OWNER: AS
 DRAWN BY: BS
 SCALE: AS SHOWN
 JOB NUMBER: 2764
 SHEET NUMBER: HS1
 Rev: 8

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