### **Conditional Use**

2920 North Sherman Avenue

Project Name

Madison Mallards Great Dane Duck Blind re-build at Warner Park

Applicant Vern Steadman - Madison Mallards/ Doug Larson - MODS International

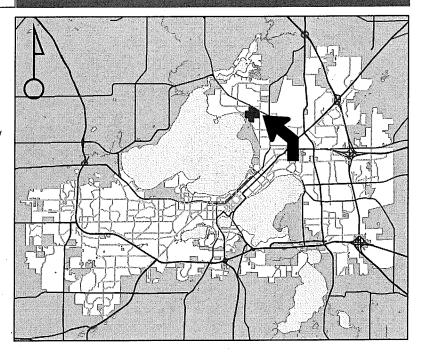
Existing Use

Madison Mallards Baseball Stadium

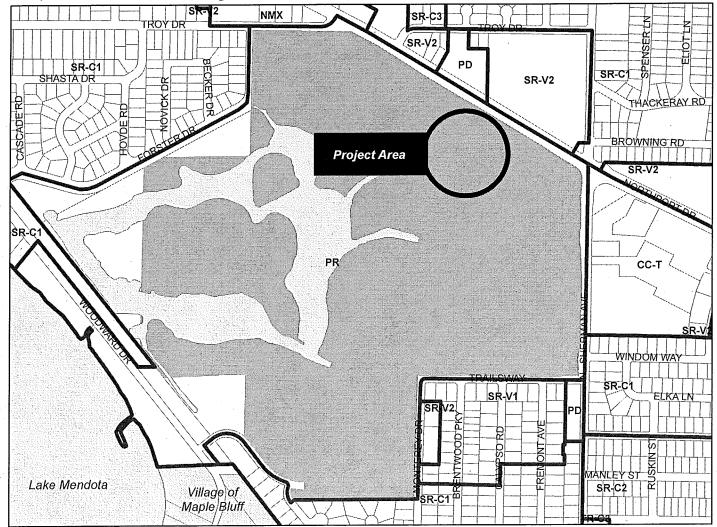
Proposed Use

Construct addition to stadium in Warner Park

Public Hearing Date Plan Commission 20 February 2017

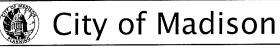


For Questions Contact: Jessica Vaughn at: 267-8733 or jvaughn@cityofmadison.com or City Planning at 266-4635



Scale: 1" = 700'

City of Madison, Planning Division: PPE: Date: 15 February 2017





Date of Aerial Photography : Spring 2016

CITY OF MADISON

LAND USE APPLICATION

Development Schedule: Commencement February, 2017

н	FOR OFFICE USE ONLY:		
215 Martin Luther King Jr. Blvd; Room LL-100 PO Box 2985; Madison, Wisconsin 53701-2985	Amt. Paid # 600 Receipt No. 0 24704-0		
Phone: 608.266.4635   Facsimile: 608.267.8739	Date Received 1/4/17  Received By		
<ul> <li>All Land Use Applications should be filed with the Zoning Administrator at the above address.</li> </ul>	Parcel No. <u>0809-361-0097-6</u> Aldermanic District 12 - Palm		
<ul> <li>The following information is required for all applications for Plan Commission review except subdivisions or land divisions, which should be filed using the <u>Subdivision Application</u>.</li> </ul>	Zoning District PR - Special Requirements In Flood plain, Review Required By: Wetland		
This form may also be completed online at: <u>www.cityofmadison.com/developmentcenter/landdevelopment</u>	Urban Design Commission Plan Commission Common Council Other:  Form Effective: February 21, 2013		
1. Project Address: 2920 N Sherman Ave			
Project Title (if any): <u>Madison Mallards Great Dane Du</u>	ick Blind re-build at Warner Park		
2. This is an application for (Check all that apply to your Land to			
Zoning Map Amendment fromt			
☐ Major Amendment to Approved PD-GDP Zoning ☐ M	Major Amendment to Approved PD-SIP Zoning		
Review of Alteration to Planned Development (By Plan Com	mission)		
Conditional Use, or Major Alteration to an Approved Conditi	onal Use		
☐ Demolition Permit			
Other Requests:			
U Other Requests:	<del></del>		
3. Applicant, Agent & Property Owner Information:			
	vMadison Mallards		
Street Address: 2920 N Sherman Ave City/State:	Madison, WI Zip: 53704		
Telephone: (608 575-4267 Fax: (608 246-4163 E	mail: <u>vern@mallardsbaseball.com</u>		
Project Contact Person: Doug Larson Compan	y: MODS International		
Street Address: 5523 W Integrity Way City/State:	Appleton, WI zip: 54913		
000 #40 4000	mail: <u>dlarson@modsinternational.com</u>		
Property Owner (if not applicant): City of Madison Parks Depa	rtment		
Street Address: 210 Martin Luther King Jr Blvd City/State:	Madison, WI zip: 53703		
Sirect radices.			
4. Project Information:			
Provide a brief description of the project and all proposed uses of the Madison Mallards. It currently has a capacity of 6,750. The scope	site: The Warner Park baseball stadium is home to the		

-May, 2017

### 5. Required Submittal Information

All Land Use applications are required to include the following:

X Project Plans including:\*

---

- Site Plans (<u>fully dimensioned</u> plans depicting project details including all lot lines and property setbacks to buildings; demolished/proposed/altered buildings; parking stalls, driveways, sidewalks, location of existing/proposed signage; HVAC/Utility location and screening details; useable open space; and other physical improvements on a property)
- Grading and Utility Plans (existing and proposed)

Waiver submitted via email 1-3-17

- Landscape Plan (including planting schedule depicting species name and planting size)
- Building Elevation Drawings (fully dimensioned drawings for all building sides, labeling primary exterior materials)
- Floor Plans (fully dimensioned plans including interior wall and room location)

#### Provide collated project plan sets as follows:

- Seven (7) copies of a full-sized plan set drawn to a scale of 1 inch = 20 feet (folded or rolled and stapled)
- Twenty Five (25) copies of the plan set reduced to fit onto 11 X 17-inch paper (folded and stapled)
- One (1) copy of the plan set reduced to fit onto 8 ½ X 11-inch paper
- \* For projects requiring review by the **Urban Design Commission**, provide **Fourteen (14) additional 11x17 copies** of the plan set. In addition to the above information, <u>all</u> plan sets should also include: 1) Colored elevation drawings with shadow lines and a list of exterior building materials/colors; 2) Existing/proposed lighting with photometric plan & fixture cutsheet; and 3) Contextual site plan information including photographs and layout of adjacent buildings and structures. The applicant shall <u>bring</u> samples of exterior building materials and color scheme to the Urban Design Commission meeting.

	Letter of Intent: Provide one (1) Copy	per Plan Set describing this application i	n detail including, but not limited to:
	<ul> <li>Project Team</li> <li>Existing Conditions</li> <li>Project Schedule</li> <li>Proposed Uses (and ft² of each)</li> <li>Hours of Operation</li> </ul>	<ul> <li>Building Square Footage</li> <li>Number of Dwelling Units</li> <li>Auto and Bike Parking Stalls</li> <li>Lot Coverage &amp; Usable Open Space Calculations</li> </ul>	<ul> <li>Value of Land</li> <li>Estimated Project Cost</li> <li>Number of Construction &amp; Full-Time Equivalent Jobs Created</li> <li>Public Subsidy Requested</li> </ul>
X	Filing Fee: Refer to the Land Use Appli	cation Instructions & Fee Schedule. Mak	e checks payable to: City Treasurer.
X	• •	· · ·	omitted in hard copy with their application as eir application materials, or by e-mail to
	Additional Information may be require	ed, depending on application. Refer to t	he <u>Supplemental Submittal Requirements.</u>
6.	Applicant Declarations		
X	neighborhood and business associa		notify the district alder and any nearby ys prior to FILING this request. List the the dates you sent the notices:

Planning Staff: II.V Date: 12-28-16 Zoning Staff: Matt Tucker Date: 12-28-16

→ If a waiver has been granted to this requirement, please attach any correspondence to this effect to this form.

Pre-application Meeting with Staff: <u>Prior</u> to preparation of this application, the applicant is required to discuss the proposed development and review process with Zoning and Planning Division staff; note staff persons and date.

The applicant attests that this form is accurately completed and all required materials are submitted:

lame of Applicant	Vern Stenman	 Relationship to Property:	Lease	e Holder
uthorizing Signatu	re of Property Owner		Date	16/2017

3



Letter of Intent/Project Narrative
Madison Mallards Great Dane Duck Blind re-build at Warner Park
Tuesday, January 3, 2017

The Madison Mallards Baseball Club is preparing for their 17<sup>th</sup> season of fun at the "Duck Pond" at Warner Park. A successful public/private partnership between the team and the City of Madison has driven unprecedented results, with the team leading the all of summer-collegiate baseball in attendance and ranking 28<sup>th</sup> in the country in average attendance, compared to the other 370 minor league style teams in the country while operating in the Nation's 90<sup>th</sup> largest media market.

### **EXISTING CONDITIONS**

A unique element in the Mallards success has been the Great Dane Duck Blind. The venue opened in 2001 with a focus on great craft beer combined with food and a laid back environment great for fans more focused on socializing and less on the actual score of the game. The Duck Blind was a near instant success and the Mallards slowly improved the area to keep up with demand on a nearly annual basis. The Mallards focus shifted to improvements in other parts of the stadium and today the Duck Blind is not up to the standards of the rest of the facility. Most of the construction of the existing deck is residential style wooden decking and some of the area is in dis-repair. The Duck Blind has received national media attention and remains one of the most unique venues in all of sports.

#### PROJECT TEAM

Leading the project is Mallards President Vern Stenman, who has been with the team since it's inception and overseen every improvement to the facility in that time. Construction and final design will be completed by MODS International, who is the international industry leader in utilizing shipping containers to construct cutting edge projects across the globe.

It is important to note that this project will be the first to utilize shipping container construction in the City of Madison. This construction method is rapidly growing in popularity and offers an interesting aesthetic, a quick turn construction timeline, and more versatility than most would expect.

### PROJECT SCHEDULE

Our hope is to be able to start demolition immediately and to start foundation work no later than early March. Six to eight weeks of construction after foundation work is started is the anticipated timeline. Opening Day is Tuesday, May 30 and the project should be complete no later than two weeks prior to that date.

#### PROPOSED USES

The re-build of the area will include two elements. One is the replacement of general admission (GA)



seating. The 7,530 SF area will have a capacity of 700 attendees. The existing GA area has a capacity of 755 and seating for less than ½ of those attendees. The new area will offer a seat to each of the 700 attendees with dramatically improved sight lines. The three tier GA area will run parallel to the right field foul line and the top tier will connect directly to the existing bleacher structure, creating a much more connected experience for the entire facility, a major goal of this and all future projects at the facility. The basement of the four-level Great Dane Duck Blind Suite area will also be part of the GA area of the facility.

The second part of the improvement will be referred to as the Great Dane Duck Blind Suites. This 7,808 SF area will feature a 4 level structure made out of shipping containers. The second level will offer the first ever substantial indoor, conditioned space that the stadium has ever had. Level 2, 3 and 4 will each be dividable into up to 4 private suites on a nightly basis. Levels 3 and 4 will not be conditioned, but will have covered areas, combined with outdoor patio style seating. This area will also be used for non-game day events year round, potentially hosting business meetings, weddings and other private or public events. Capacity for these events will be the same as baseball events. Events could be booked year round with an emphasis on daytime business meetings during the week and weddings and other special events on the weekends for anything from weddings and company outings, to baseball games or charity events. Number of events is difficult to predict at this time, however we would anticipate 50-75 events outside of the baseball season in our first year of operation. In addition, Warner Park serves as a home for multiple charity events, is the home for area HS baseball teams, and has hosted concert and other special events over the years and plan to in the future.

The rest of the stadium will continue to operate in a very similar manner to the Mallards previous 16 years of operation. A capacity plan is attached to this letter to outline uses of different seating areas in the facility. East HS, LaFollette & Edgewood play home baseball games at the facility and that will continue in the future. The lease agreement between the Mallards and the city of Madison requires the Mallards to annually develop a Fan Access Plan, a Neighborhood Impact Plan and a Responsible Alcohol Consumption Plan, all of which need to be approved annually by the Madison Board of Parks Commissioners. Additionally, the North District Police Captain annually approves a security plan for the facility which incorporates the use of off-duty City of Madison Police officers having a nightly presence at the stadium when the Mallards play a home game. The stadium currently houses the Mallards business offices, a grass berm seating area, a large clubhouse/restroom building, multiple concessions and restroom buildings, stadium seating, and multiple private party areas throughout the venue. The stadium is professionally cleaned after each game no later than 10am the day after each event. Dumpsters are located in an enclosed area behind the 1b bleachers. The Mallards have invested over \$3,000,000 privately into improvements to the facility that are now owned by the City of Madison. This project was approved by the City of Madison Board of Parks Commissioners at their



November, 2016 meeting. The Mallards currently hold a class b beer only license, but intend to apply for a license that would allow liquor to be served to private parties and that would allow wine sales throughout the facility for the first time. If the license application is approved, it is important to note that liquor would ONLY be available to private events and would be run in a similar manner to our operation of Breese Stevens Field in Downtown Madison where we held a liquor license with identical restrictions for the last year.

#### HOURS OF OPERATION

Hours of operation will be based on event schedule for the facility. The venue will be available for every Mallards game and available for rent year round. The Mallards play 36 home baseball games. Concerts, charity run walks and private or public events may be hosted due to demand at any time throughout the year.

### AUTO AND BIKE PARKING

The Mallards offer over 100 free, valet style, bike parking spots immediately outside the entrance to the stadium where bikes receive complimentary wash and tire fills upon request. The Mallards are contractually obligated to present a Fan Access plan annually the City of Madison Board of Park Commissioners. This plan was approved in December, 2016 for the 2017 season. Overall capacity will not increase. Over, 1,500 free vehicle parking spots are available either in the Warner Park lot or across Sherman Ave at the NorthSide TownCentre.

#### VALUE OF LAND

N/A since it is city owned.

### ESTIMATED PROJECT COST

\$1,000,000 – privately funded by the Mallards and will be contributed to the City of Madison upon completion. No public subsidy requested.

### NUMBER OF CONSTRUCTION AND FULL TIME JOBS CREATED

25 Construction jobs, 2 full time jobs and 25 part time jobs will be created due to this project.



### MADISON MALLARDS CAPACITY PLAN SUMMARY

	Proposed
DUCK BLIND ROOF	233
DUCK BLIND (GA)	700
New Duck Blind Suite Area	500
Duck Blind Club	254
Bleacher capacity (2011)	3289
BLEACHERS 1 (wrigley seating)	228
OFFICE DECK	125
OFFICE SUITES	60
New HP Suites/4 top tables	40
LF Berm Area	500
TOTAL	5929
STANDING ROOM	821
GRAND TOTAL	6750

	Sinks	Toilets	Urinals	
Bathroom Count - Existing	27	31	2:	1
Bathroom Count - New	6	4		2
Total	33	35	23	3

### **PLOT REGION**



### **PLOT LOCATION**



## Madison Mallards- Duck Blind Renovation

Parcell Number 0809-361-0097-6 Madison, WI 53704

# MODS INTERNATIONAL

5523 Integrity Way Appleton, WI 54913 Phone: (920) 560-4800

## **OWNER**

Big Top Baseball 2920 Sherman Ave. Madison, WI 53704 Phone: (608) 246-4277

### OCCUPANCY CLASSIFICATION

ASSEMBLY GROUP A-5 GRANDSTANDS AND STADIUMS ASSEMBLY GROUP A-2 FOOD AND OR DRINK CONSUMPTION CONSTRUCTION TYPE I&II NON-COMBUSTIBLE

## INDEX

T-101... TITLE, CONTENT, SITE LOCATION C-101...LOCATOR MAP C-102...LOCATOR MAP ENLARGED C-103... EXISTING UTILITIES PLAN C-104... FIRE LANE PLAN D-100...DEMO PLAN D-101...DEMO PLAN ENLARGED L-101... LANDSCAPE PLAN A-101... PLAN AT TIER 1-2 A-102... PLAN AT TIER 3-4 A-103... PLAN AT TIER 5 A-104... PLAN AT TIER 6 A-105... SECTION AT DECK A-106... SECTION AT DUCK BLIND A-107... SIGHT LINE ELEVATION A-200... EAST ELEVATION A-201... SCOREBOARD ELEVATION A-202... WEST ELEVATION

A-204... SOUTH ELEVATION

Q-101...INITIAL ILLUMINATION Q-102...INITIAL ILLUMINATION REC Q-103...INITIAL ILLUMINATION RECT Q-104...MAINTAINED ILLUMINATION Q-105...MAINTAINED ILLUMINATION REC Q-106...MAINTAINED ILLUMINATION RECT S-100... SITE REFERENCE PICTURES S-101... SITE REFERENCE PICTURES S-102... SITE REFERENCE PICTURES S-103... SITE REFERENCE RENDERING S-104... SITE REFERENCE RENDERING S-105... SITE REFERENCE RENDERING S-106... SITE REFERENCE RENDERING S-107... SITE REFERENCE RENDERING S-108... SITE REFERENCE RENDERING G-100...GRADING PLAN E-100... EXISTING CONDITIONS PLAN



5523 INTEGRITY WAY APPLETON, WI 54913

OFFICE: 920-560-4800 FAX: 920-560-4850

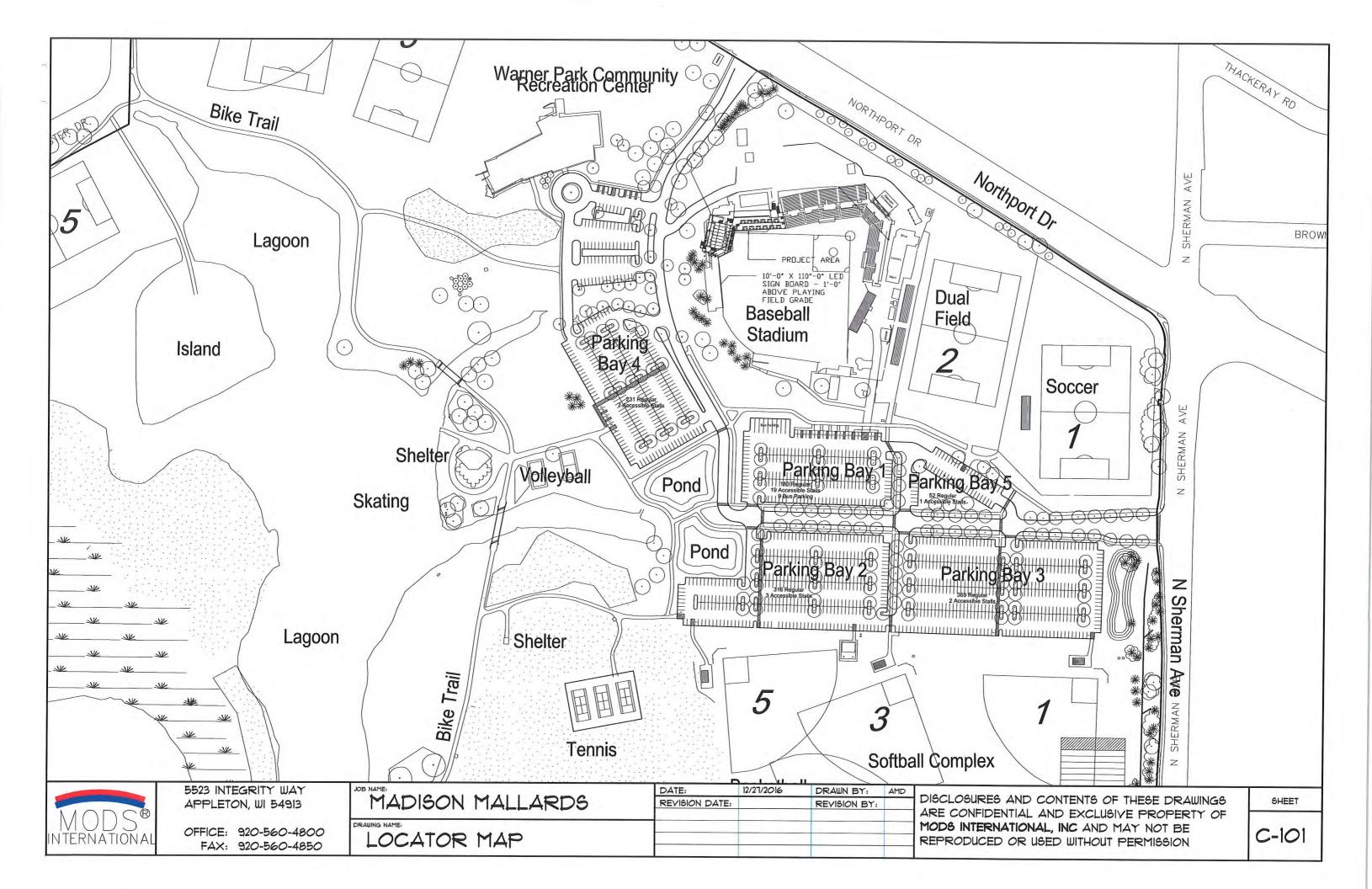
MADISON MALLARDS TITLE SHEET

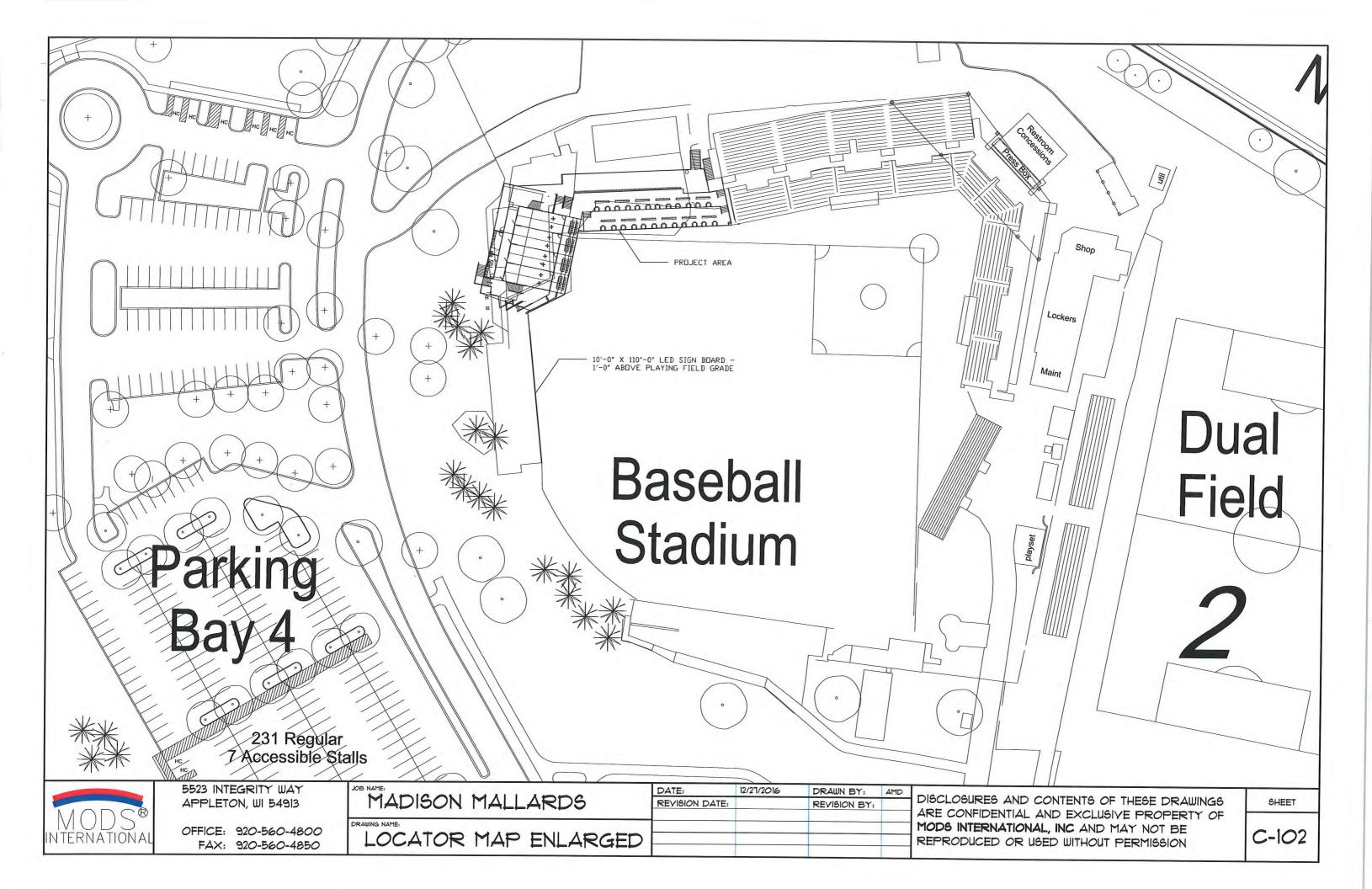
01/02/2017 DRAWN BY: JU REVISION DATE: REVISION BY:

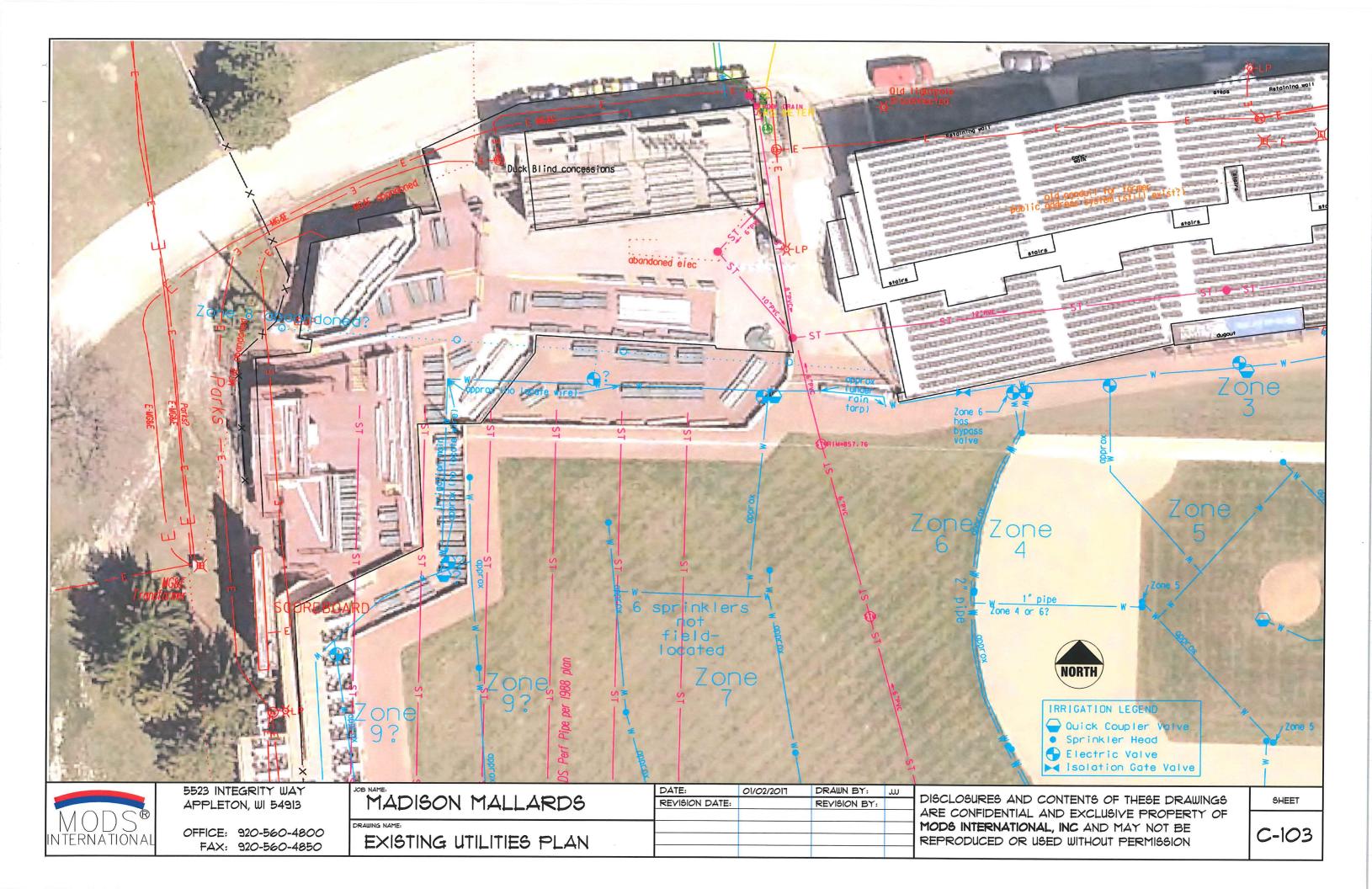
DISCLOSURES AND CONTENTS OF THESE DRAWINGS ARE CONFIDENTIAL AND EXCLUSIVE PROPERTY OF MODS INTERNATIONAL, INC AND MAY NOT BE REPRODUCED OR USED WITHOUT PERMISSION

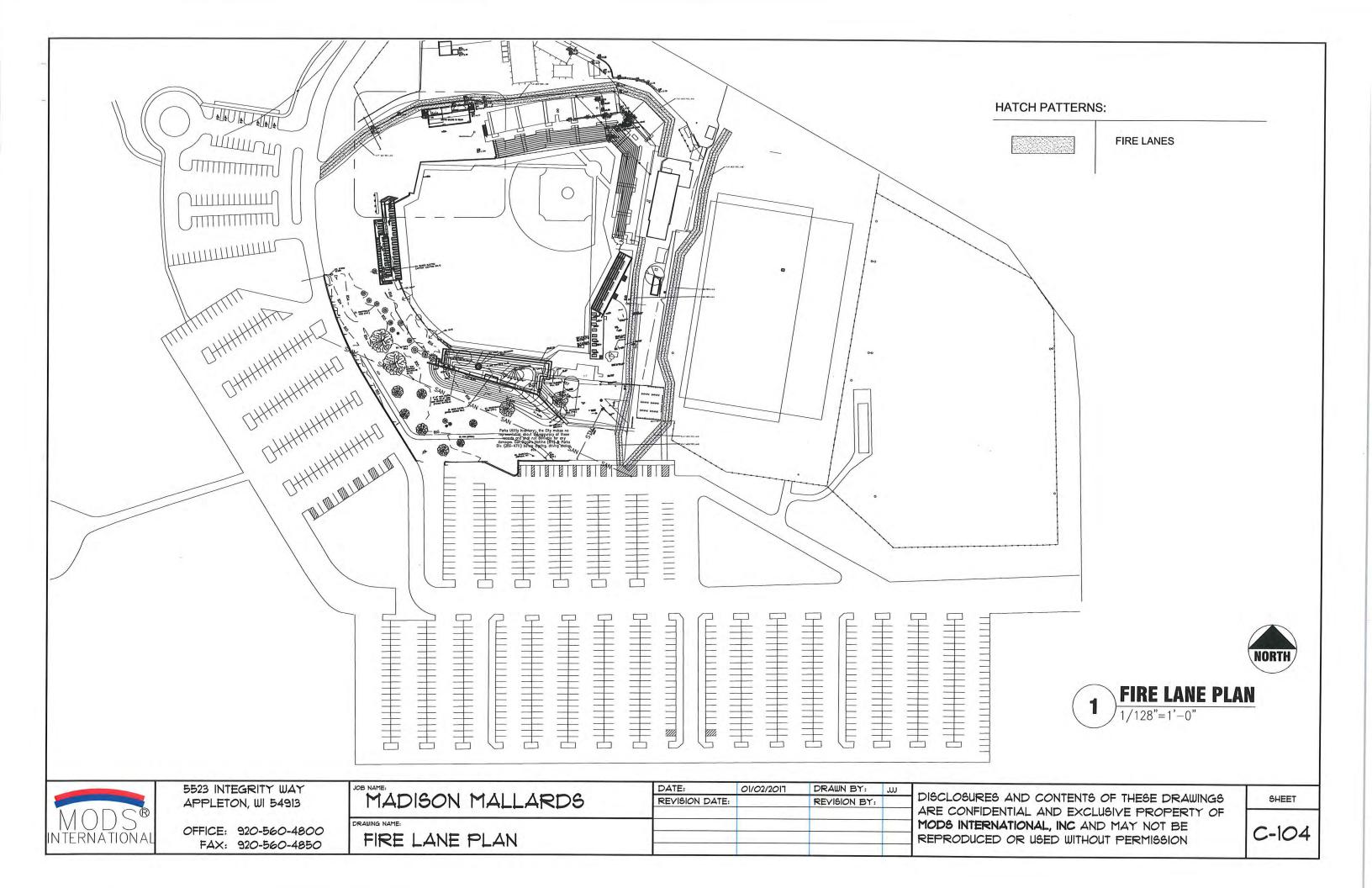
SHEET

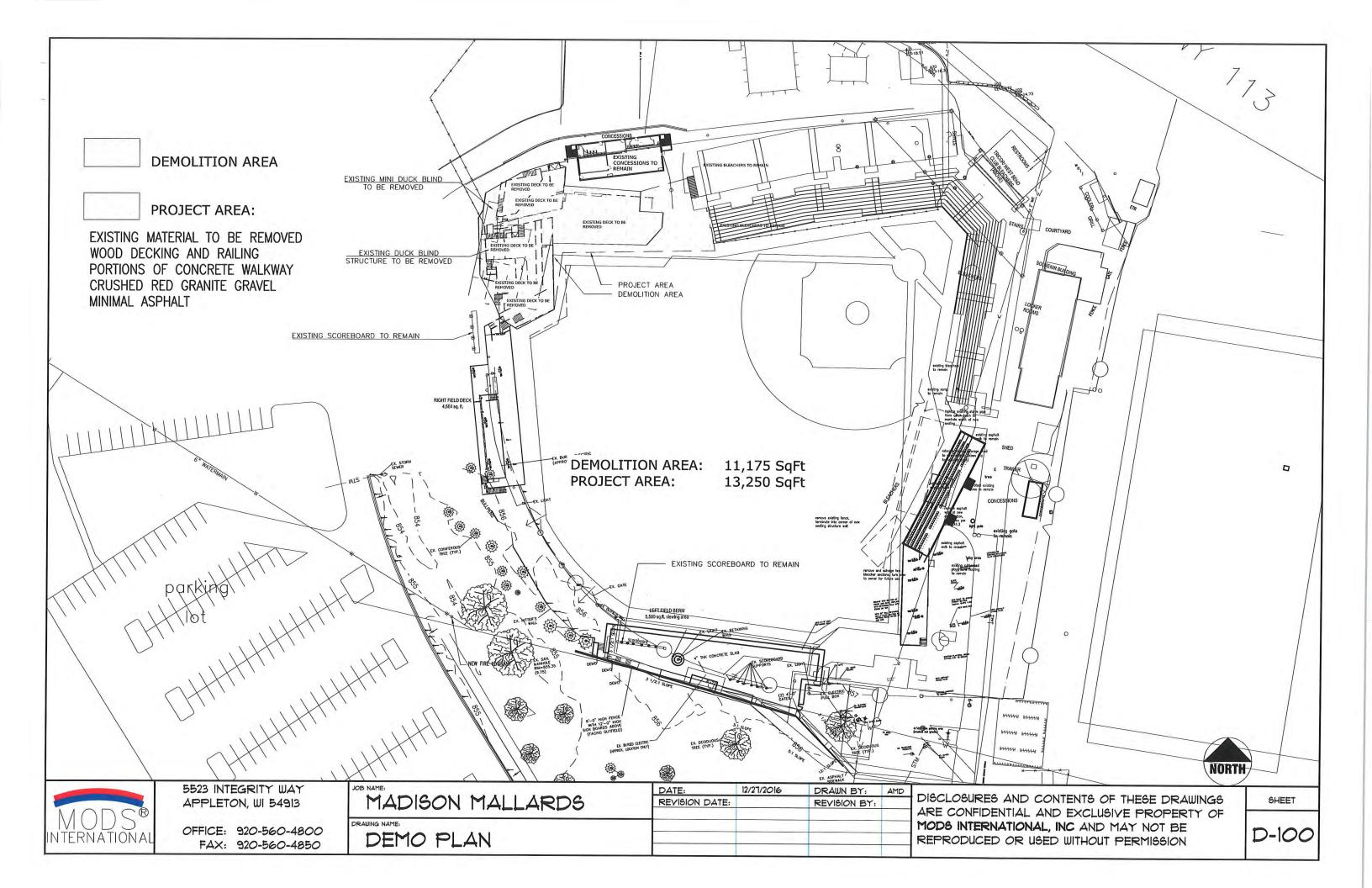
T-101

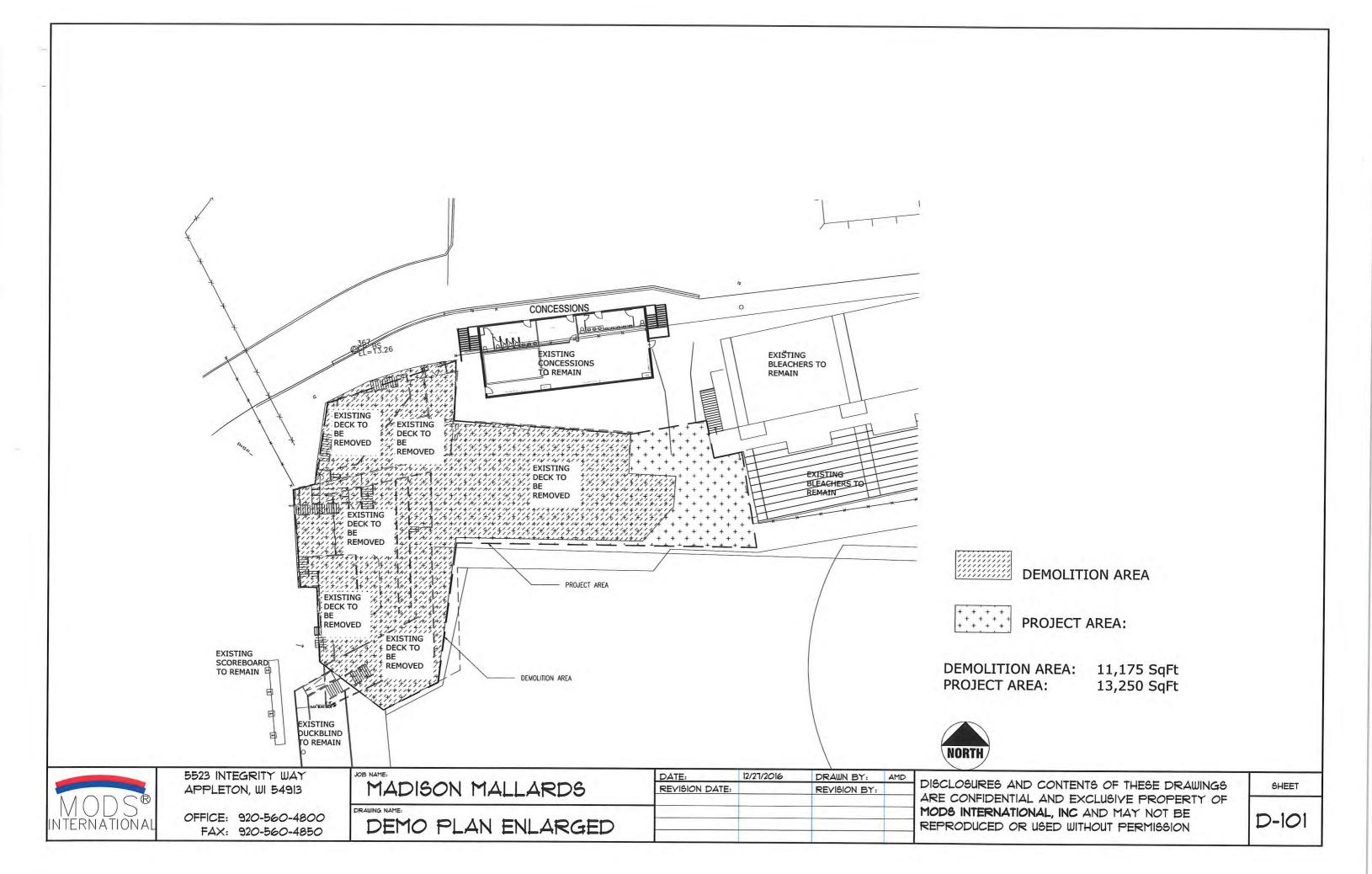


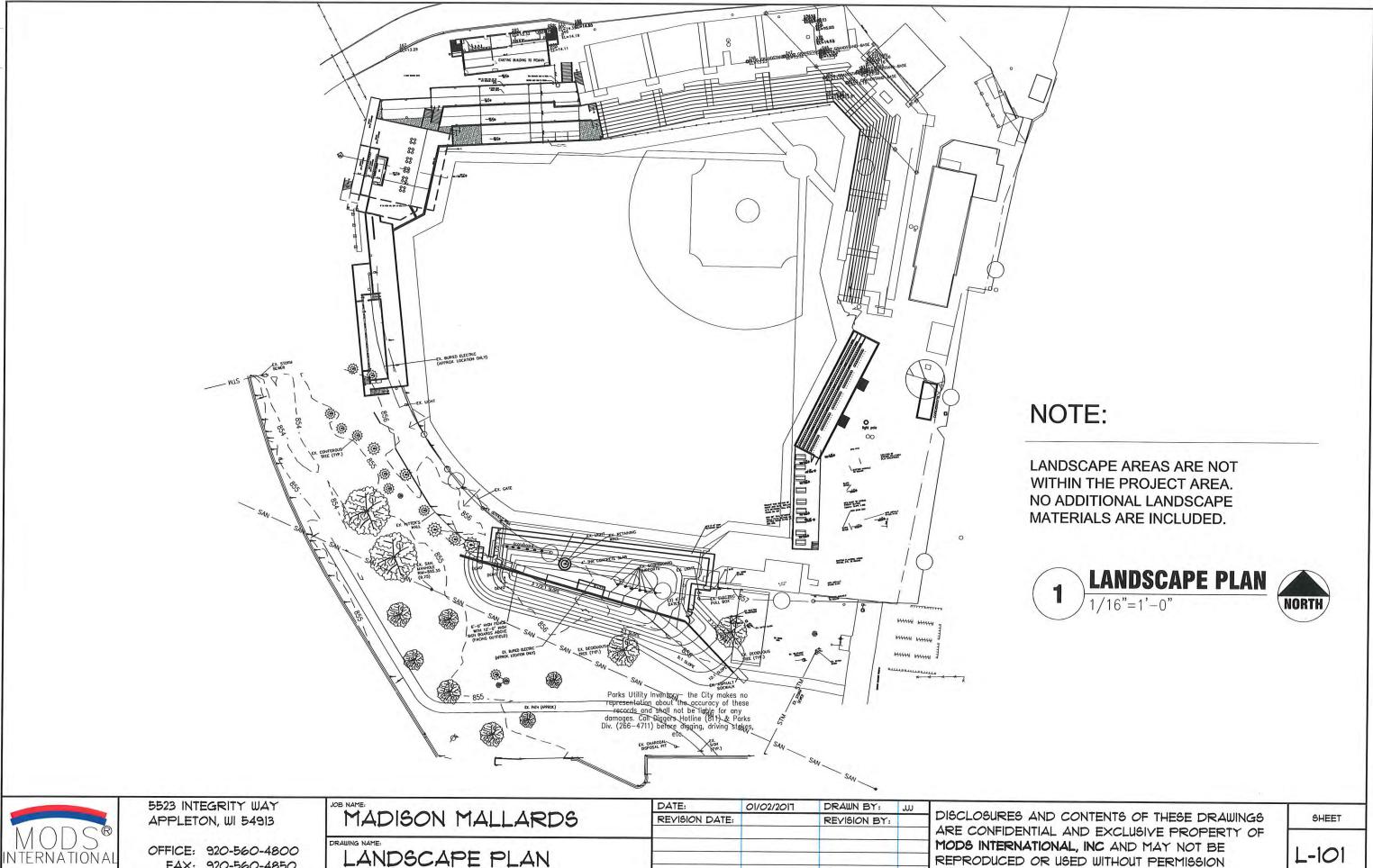








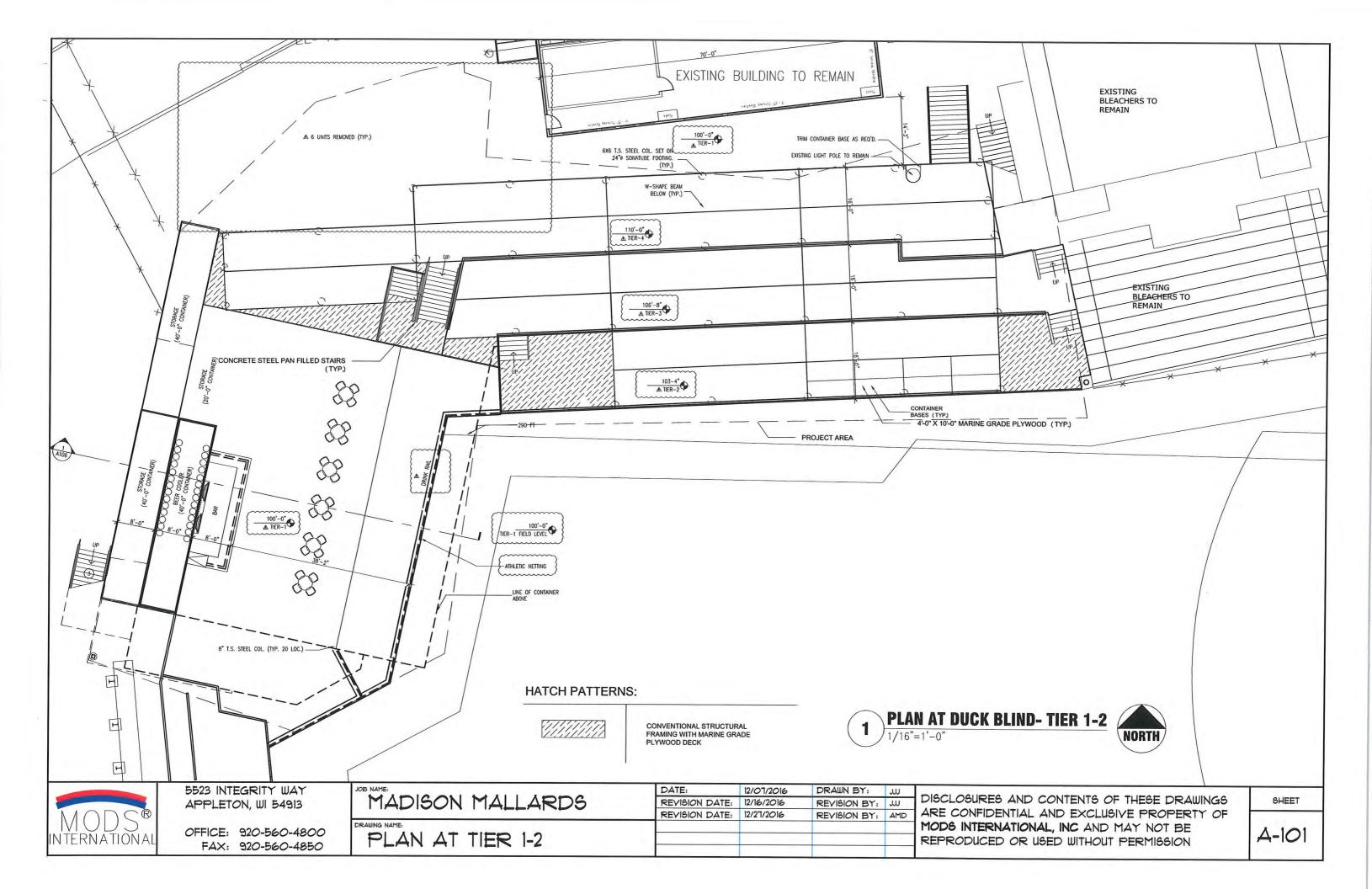


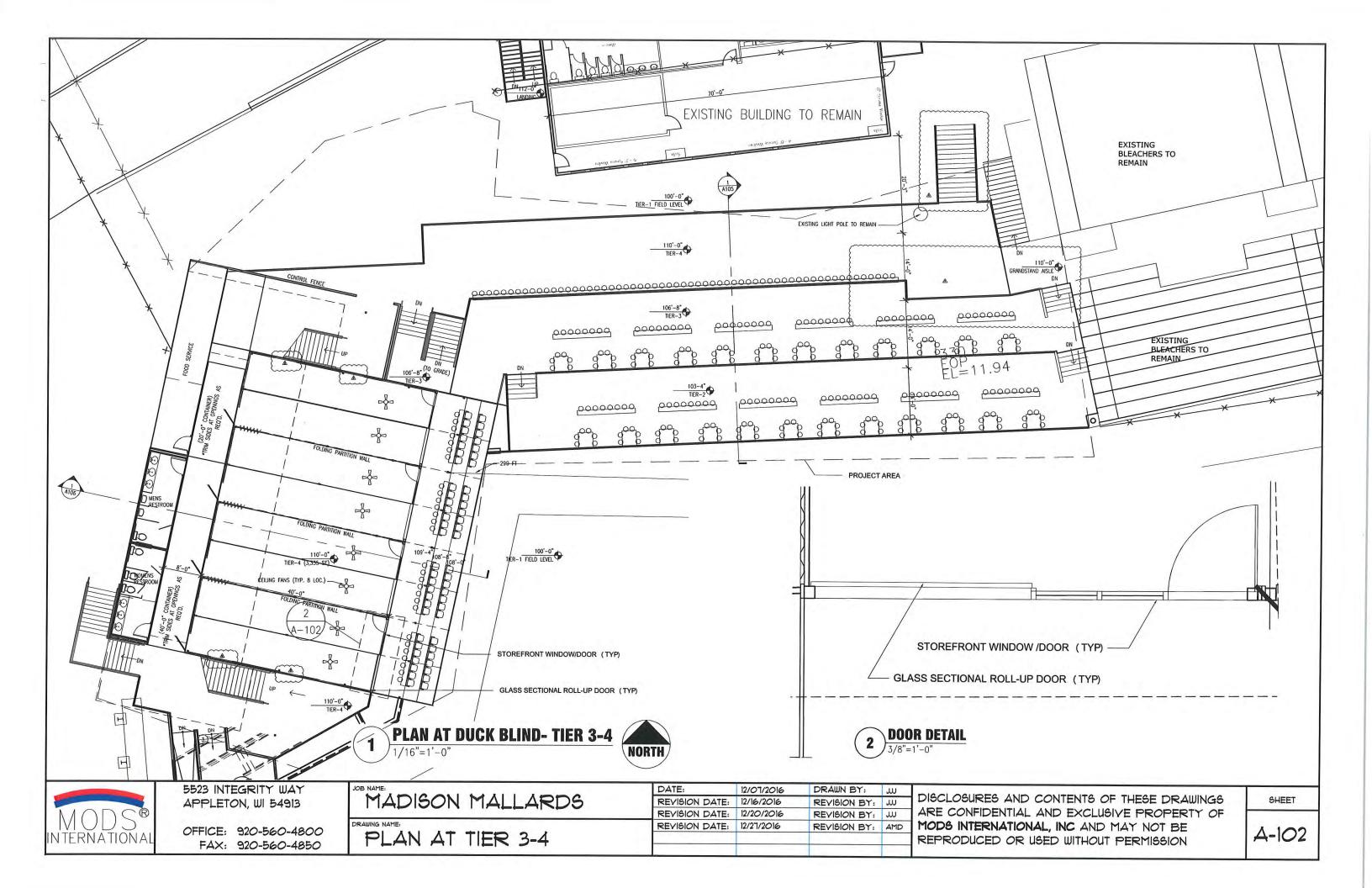


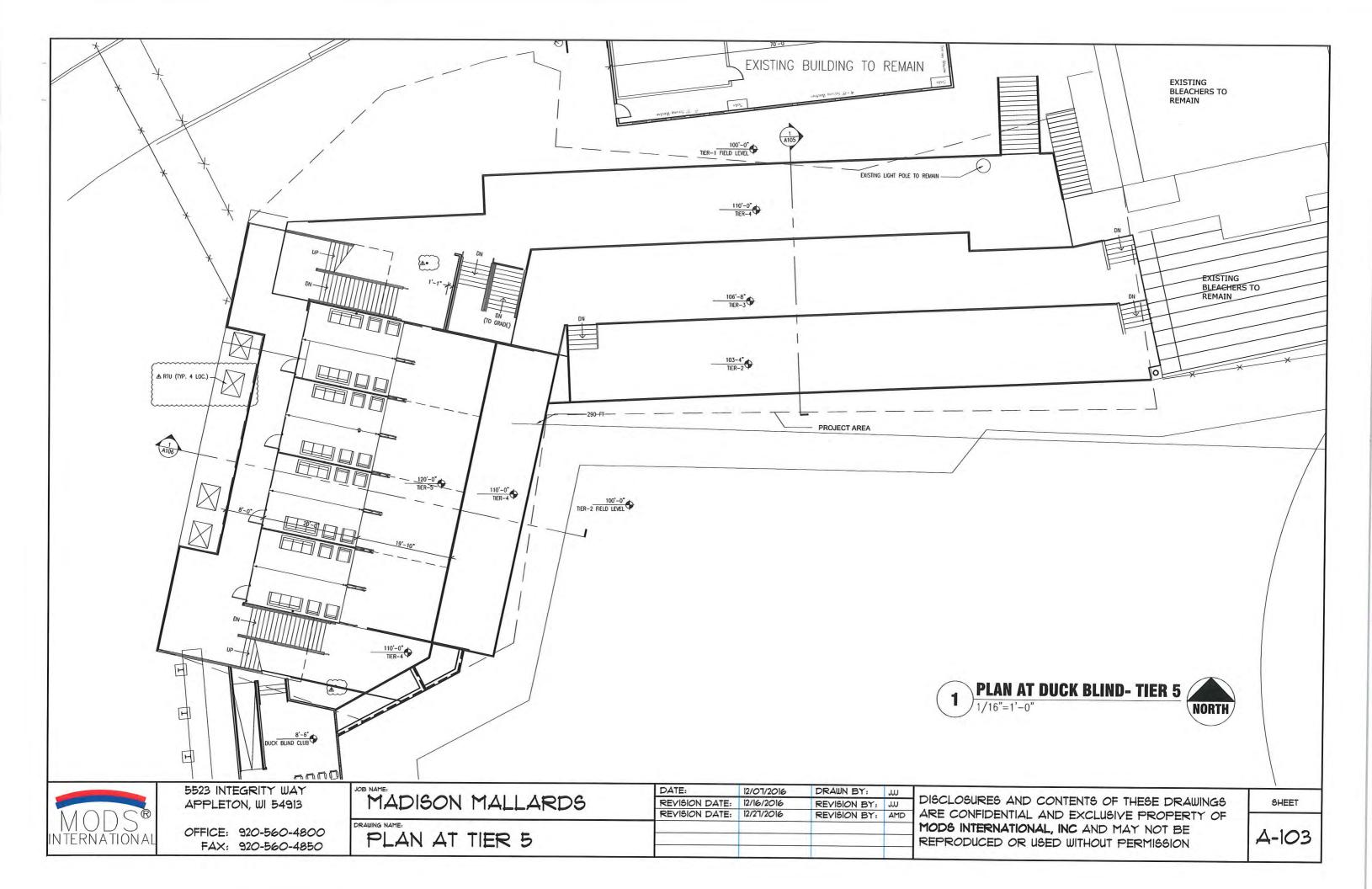
FAX: 920-560-4850

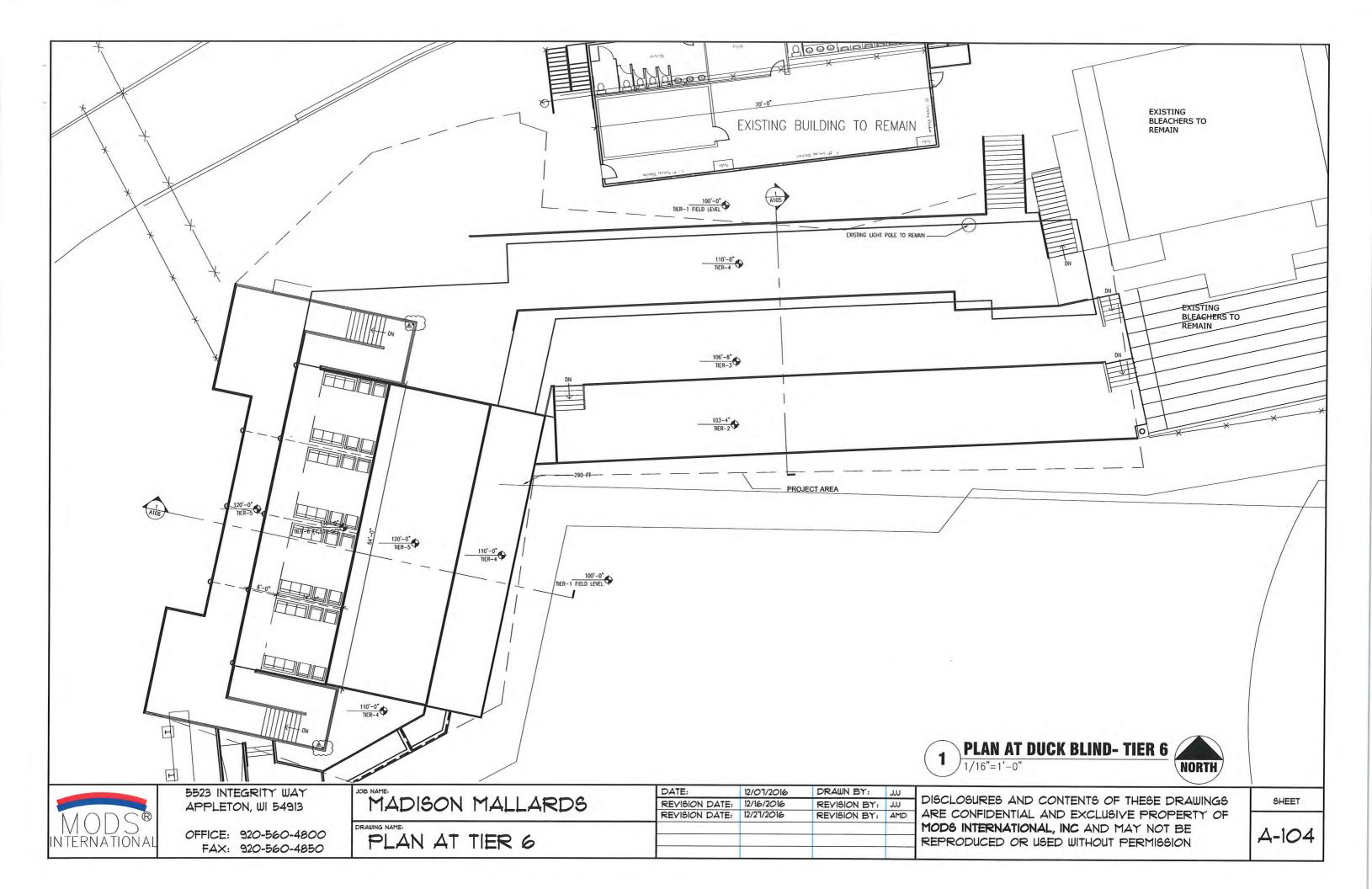
REPRODUCED OR USED WITHOUT PERMISSION

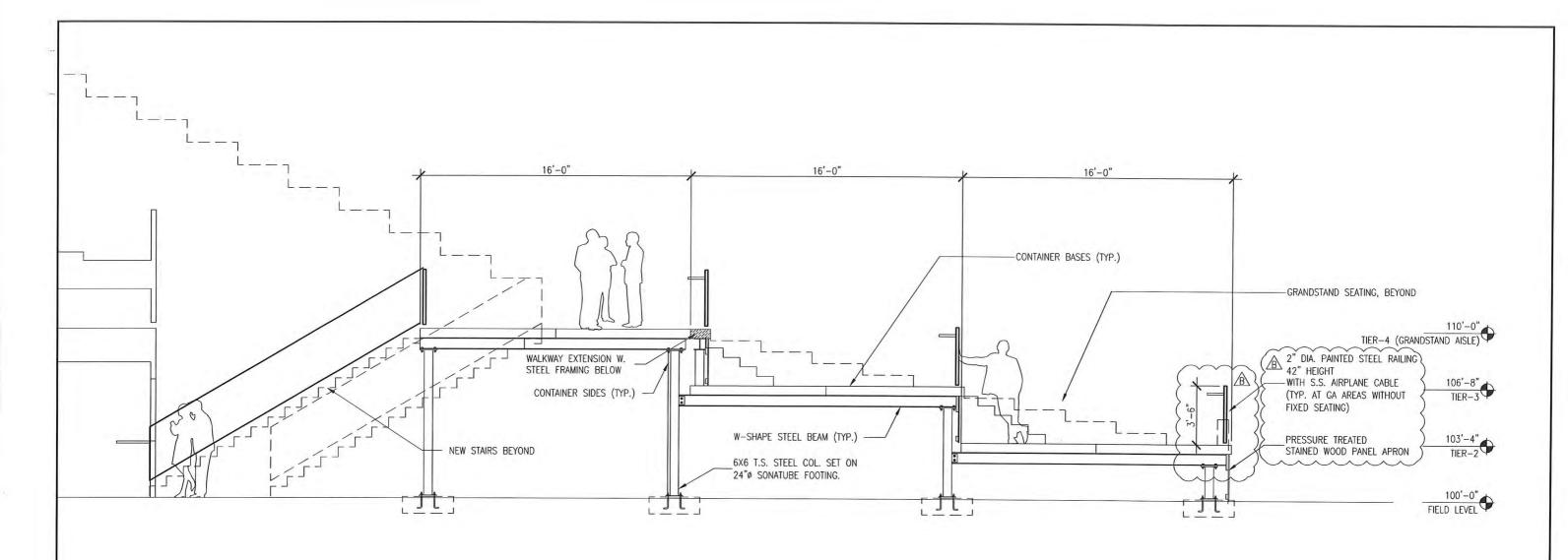
L-101















OFFICE: 920-560-4800 FAX: 920-560-4850 MADISON MALLARDS

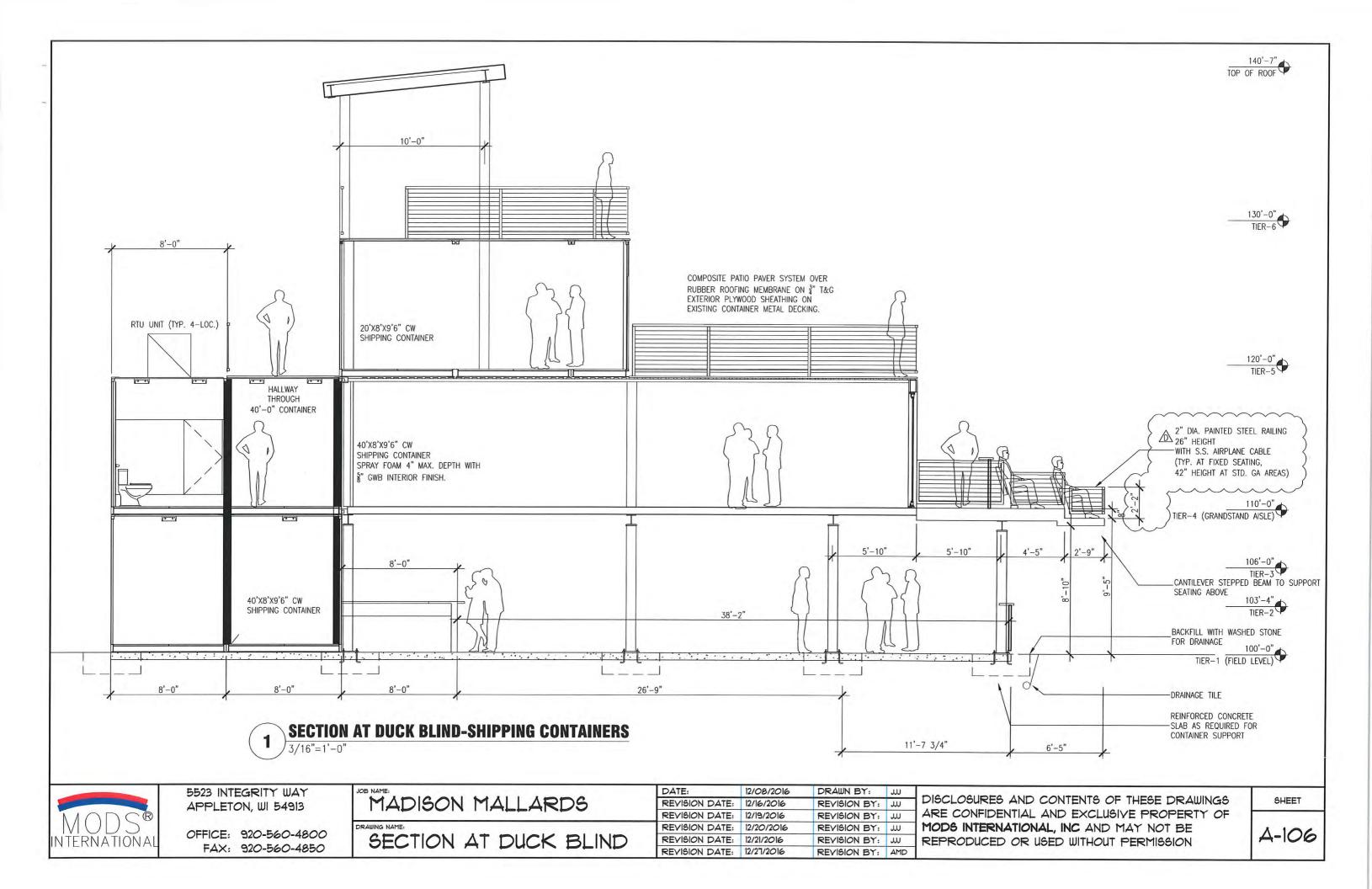
DRAWING NAME:
SECTION AT DECK

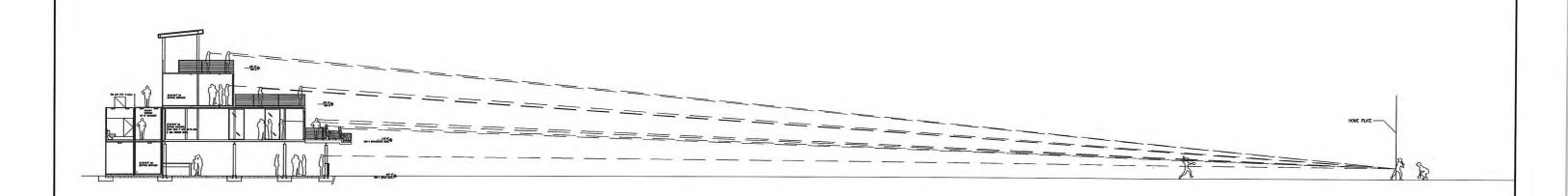
DATE: 12/08/2016 DRAWN BY: JU
REVISION DATE: 12/16/2016 REVISION BY: JU
REVISION DATE: 12/21/2016 REVISION BY: JU
REVISION DATE: 12/21/2016 REVISION BY: AME

REVISION BY: JU DISCLOSURES AND CONTENTS OF THESE DRAWINGS ARE CONFIDENTIAL AND EXCLUSIVE PROPERTY OF MODS INTERNATIONAL, INC AND MAY NOT BE REPRODUCED OR USED WITHOUT PERMISSION

SHEET

A-105





**ELEVATION AT DUCK BLIND-SIGHT LINES**3/16"=1'-0"

MODS® International 5523 INTEGRITY WAY APPLETON, WI 54913

OFFICE: 920-560-4800 FAX: 920-560-4850 MADISON MALLARDS

PRABBING NAME:

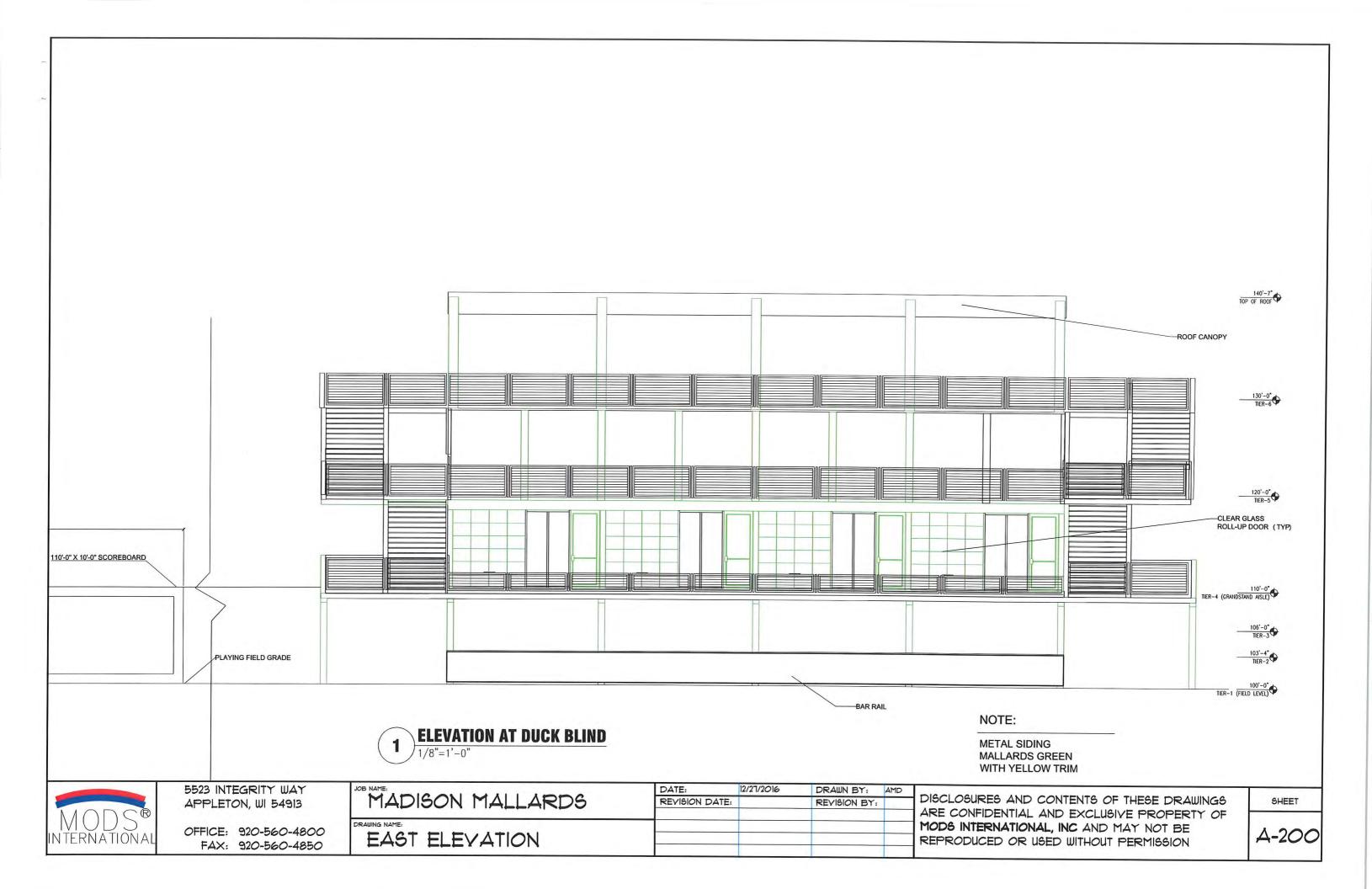
SIGHT LINE ELEVATION

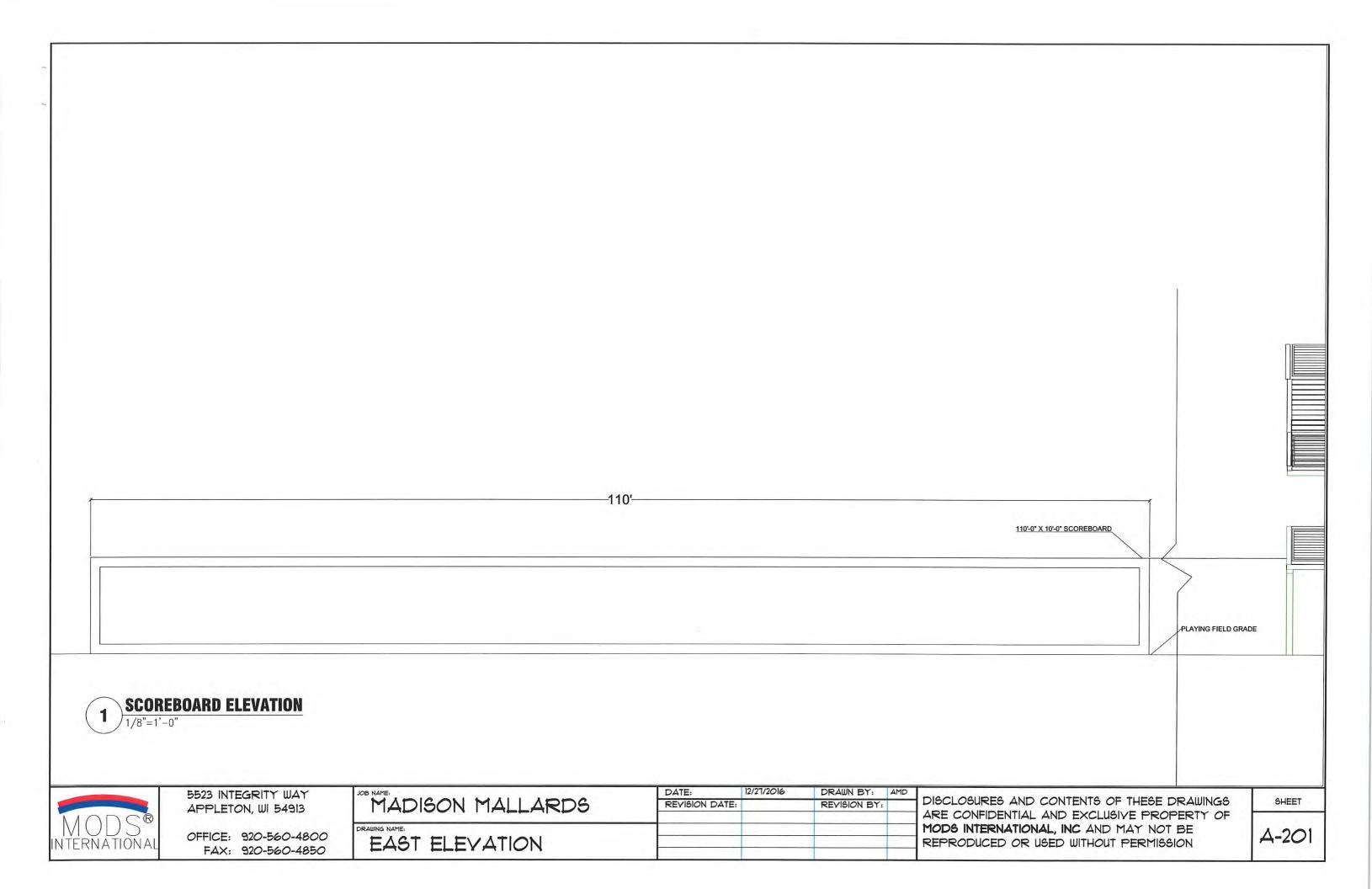
DATE: 12/21/2016 DRAWN BY: JJJ
REVISION DATE: 12/27/2016 REVISION BY: AMD

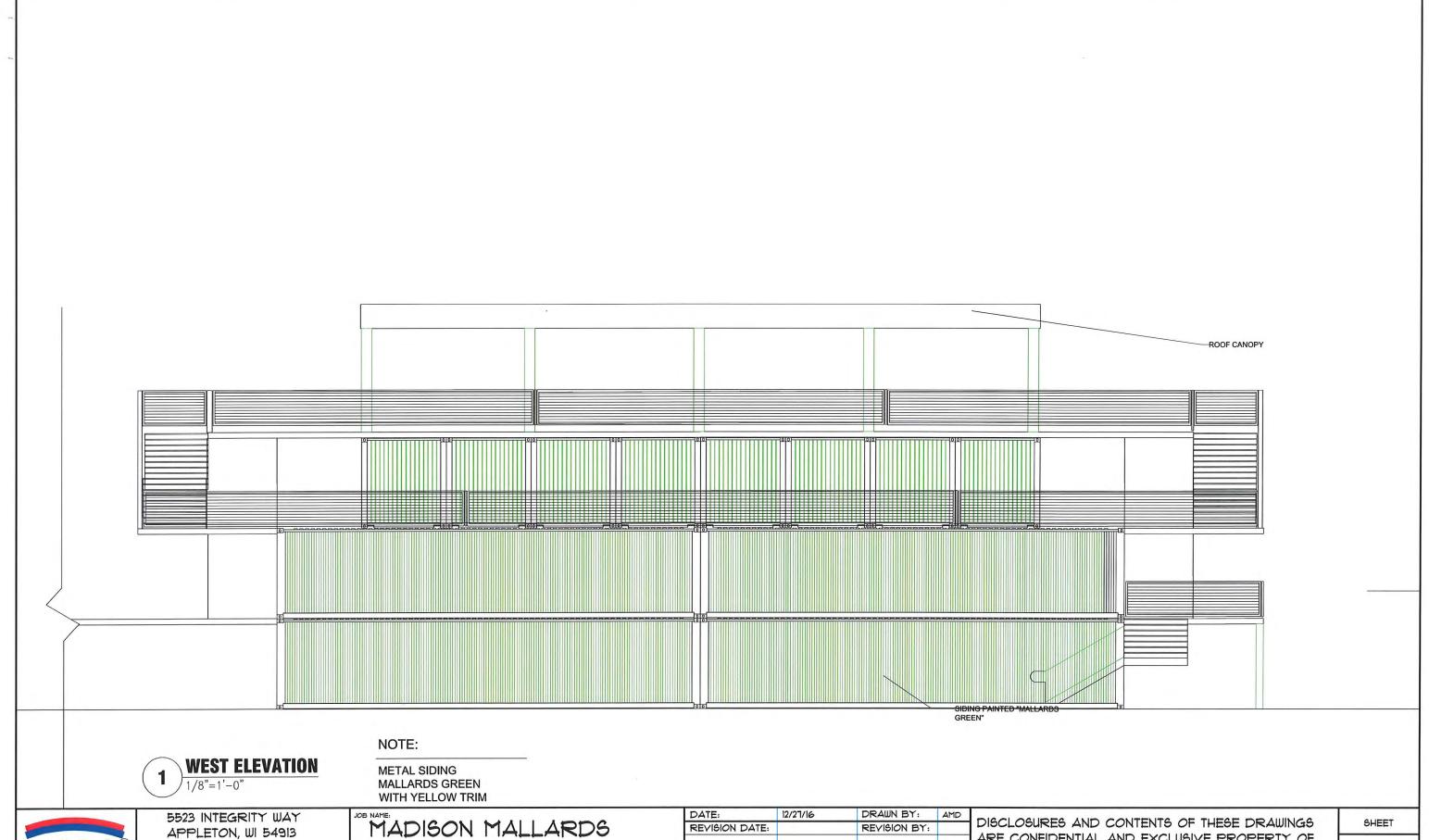
DISCLOSURES AND CONTENTS OF THESE DRAWINGS ARE CONFIDENTIAL AND EXCLUSIVE PROPERTY OF MODS INTERNATIONAL, INC AND MAY NOT BE REPRODUCED OR USED WITHOUT PERMISSION

SHEET

A-107







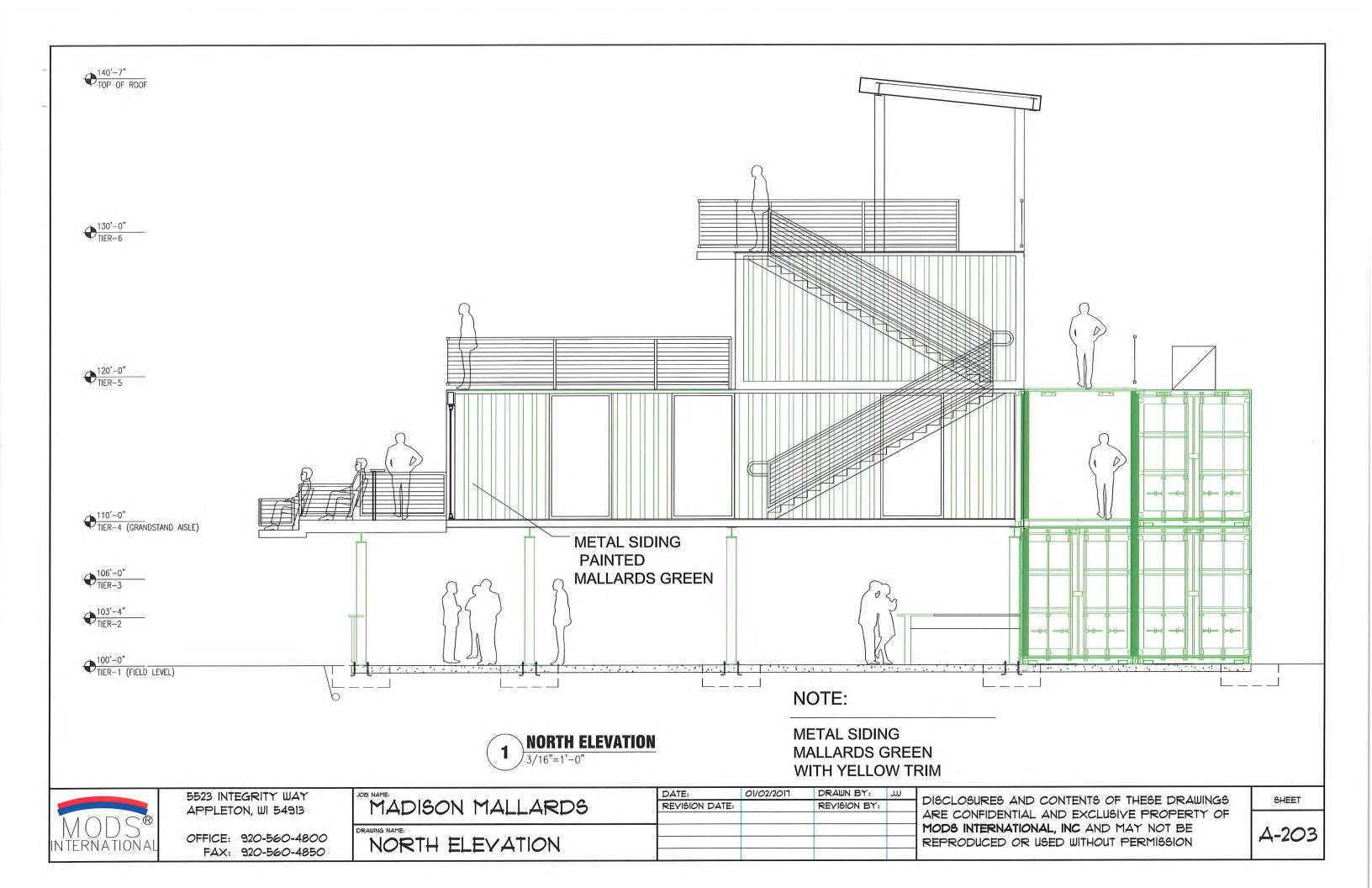


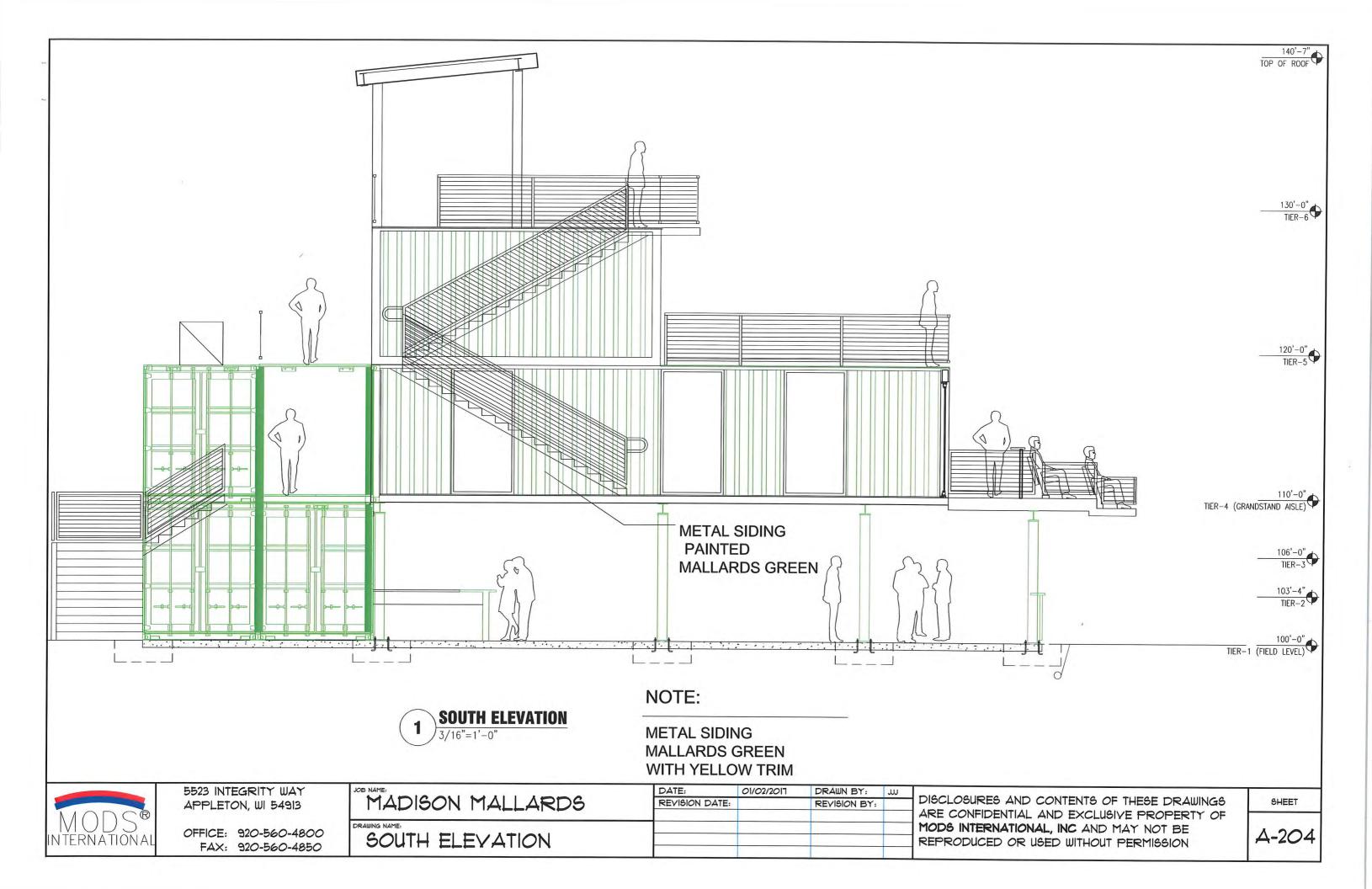
OFFICE: 920-560-4800 FAX: 920-560-4850

EAST ELEVATION

ARE CONFIDENTIAL AND EXCLUSIVE PROPERTY OF MODS INTERNATIONAL, INC AND MAY NOT BE REPRODUCED OR USED WITHOUT PERMISSION

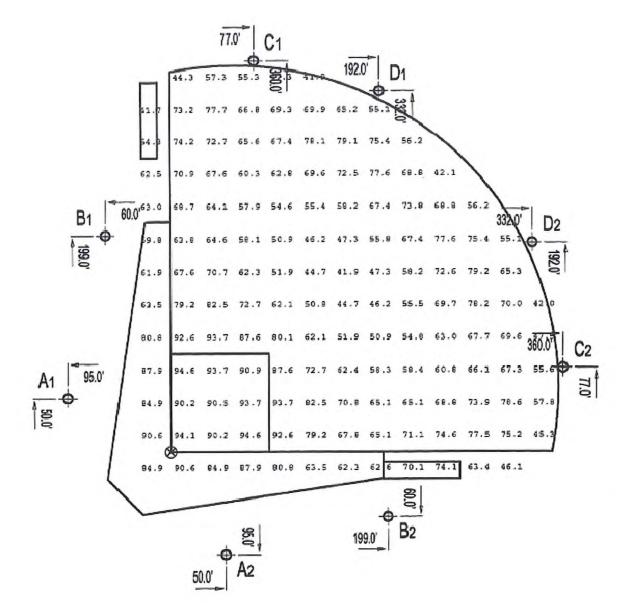
A-202





#### EQUIPMENT LISTING Mounting Pole Fat Kllow height size Ellev. Junit Junit Pole count 90' 90' 0' 11 17.07 A1-A2 90' 90' 0' 24 38.4 B1 1 B2 90' 80' 0' 26 40,54 4 C1-D2 70' 70' 0' 10 16

## WERNER PARK BB MADISON, WI



Fixture Type: Lamp Type: Lumens: File # / Date: Project Engineer:

SC-2 MZ 1500W MZ/1000W MZ 155000/105000 64974r / 11-Oct-2001 Debra Wamer



### INITIAL ILLUMINATION BASEBALL HORIZONTAL FOOTCANDLES ON PLANE AT Z= 3

	Infield	Outfield
Target Points:	25	119
Average:	89.35	63.22
Maximum:	94.59	82.50
Minimum:	80.11	41.68
Ava/Min:	1.115	1.517
Max/Min:	1.181	1.979

112 Number of Luminaires: \* KW Consumption: 177.08

Average Tilt Factor: 0.950 1.000 \*\* Maintenance Factor: x \*\*\*Light Loss Factor:

\*Refer to amperage draw for electrical sizing.

\*\*Maintenance factor = ambient temp. factor X voltage factor X ballast factor X lamp lumen depreciation X luminaire dirt depreciation(per IES Manual RP-6-88,p.92)

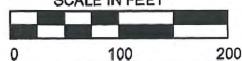
\*\*\*Light Loss Factor(LLF)=average tilt factor X maintenance factor.

NOTE: Light level averages and uniformities are guaranteed by MUSCO. However, individual location measurements may vary from computer predictions.

INSTALLATION REQUIREMENTS: Results assume +-3% nominal voltage at load side of ballast box and poles located within 3 feet of design locations.

COPYRIGHT (C) 1981,2001 MUSCO SPORTS LIGHTING INC. - Not to be reproduced in whole or part without the written consent of Musco Sports Lighting Inc. - = Pole Location

SCALE IN FEET



Pole location dimensions are relative to 0,0 reference point &.



5523 INTEGRITY WAY APPLETON, WI 54913

OFFICE: 920-560-4800 FAX: 920-560-4850

MADISON MALLARDS

REVISION DATE: REVISION BY: INITIAL ILLUMINATION

DATE:

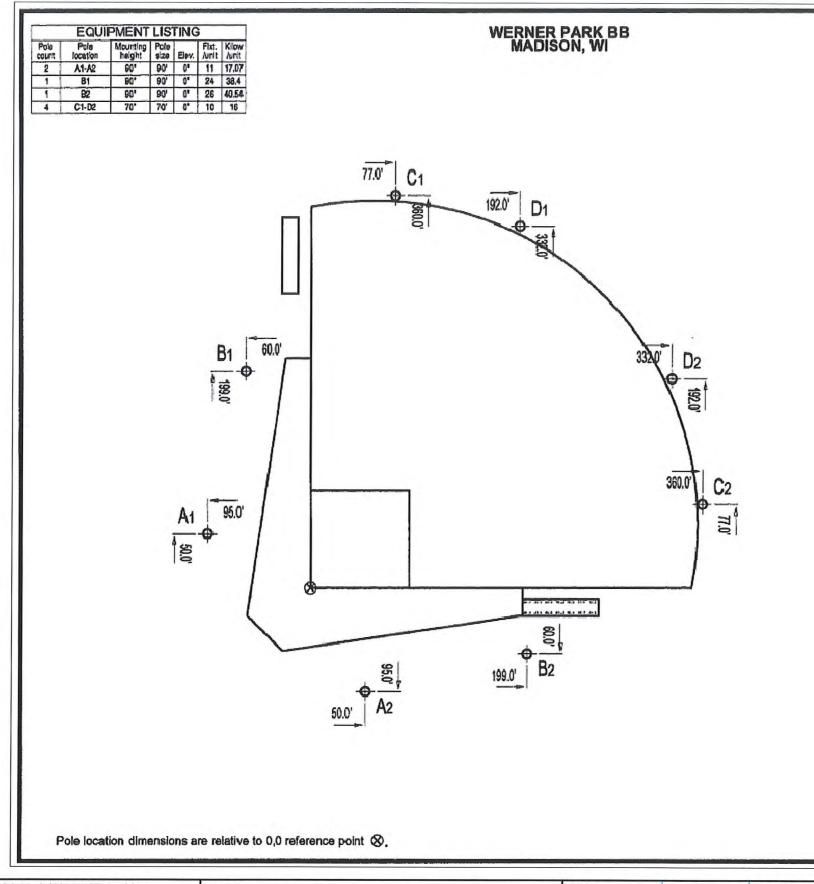
12/27/2016

DRAWN BY:

AMD

DISCLOSURES AND CONTENTS OF THESE DRAWINGS ARE CONFIDENTIAL AND EXCLUSIVE PROPERTY OF MODS INTERNATIONAL, INC AND MAY NOT BE REPRODUCED OR USED WITHOUT PERMISSION

SHEET



Fixture Type: Lamp Type: Lumens; File # / Date: Project Engineer;

SC-2 MZ 1500W MZ/1000W MZ 155000/105000 64974r / 11-Oct-2001 Debra Warner



INITIAL ILLUMINATION
RECTANGLE
HORIZONTAL FOOTCANDLES
ON PLANE AT Z= 3

Target Points: 14
Average: 69.17
Maxlmum: 75.52
Minimum: 62.02
Avg/Min: 1,115
Max/Min: 1.218

Number of Luminaires: 112 \* KW Consumption: 177.08

Average Tilt Factor: 0.950

\*\* Maintenance Factor: x 1.000

\*\*\*Light Loss Factor: 0.950

\*Refer to amperage draw for electrical sizing.

\*\*Maintenance factor = ambient temp. factor X voltage factor X ballast factor X lamp lumen depreciation X luminaire dirt depreciation(per IES Manual RP-6-88,p.92)

\*\*\*\*Light Loss Factor(LLF)=average tilt factor X maintenance factor.

NOTE: Light level averages and uniformities are guaranteed by MUSCO. However, individual location measurements may vary from computer predictions.

INSTALLATION REQUIREMENTS: Results assume +-3% nominal voltage at load side of ballast box and poles located within 3 feet of design locations.

COPYRIGHT (C) 1981,2001
MUSCO SPORTS LIGHTING INC. - Not to be reproduced in whole or part without the written consent of Musco Sports Lighting Inc.

- Pole Location

SCALE IN FEET

0 100 200

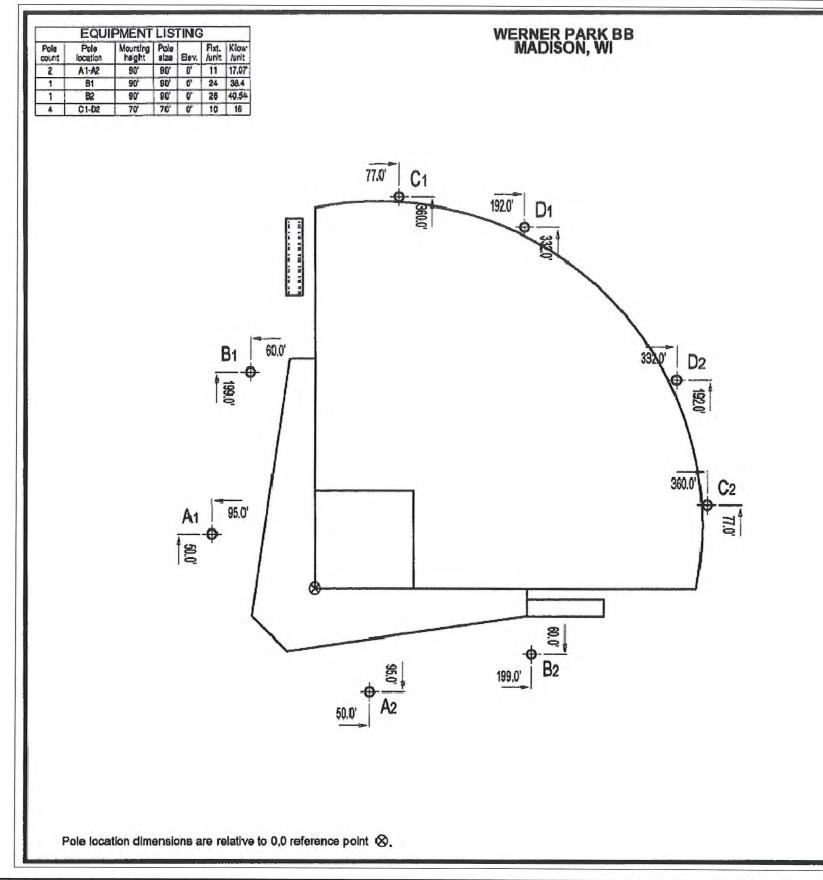
MODS® International 5523 INTEGRITY WAY APPLETON, WI 54913

OFFICE: 920-560-4800 FAX: 920-560-4850 MADISON MALLARDS

INITIAL ILLUMINATION REC

DATE: 12/27/2016 DRAWN BY: AMD
REVISION DATE: REVISION BY:

DISCLOSURES AND CONTENTS OF THESE DRAWINGS ARE CONFIDENTIAL AND EXCLUSIVE PROPERTY OF MODS INTERNATIONAL, INC AND MAY NOT BE REPRODUCED OR USED WITHOUT PERMISSION SHEET



Fixture Type: SC-2 MZ
Lamp Type: 1500W MZ/1000W MZ
Lumens: 155000/105000
File # / Date: 64974r / 11-Oct-2001
Project Engineer: Debra Warner



INITIAL ILLUMINATION
RECTANGLE
HORIZONTAL FOOTCANDLES
ON PLANE AT Z= 3

Target Points: 14
Average: 40.87
Maximum: 56.86
Minimum: 21,70
Avg/Min: 1.883
Max/Min: 2.620

Number of Luminaires: 112
\* KW Consumption: 177.08

Average Tilt Factor: 0.950
\*\* Maintenance Factor: x 1.000
\*\*\*Light Loss Factor: 0.950

\*Refer to amperage draw for electrical sizing.

\*\*Maintenance factor = ambient temp, factor X voltage factor X ballast factor X lamp lumen depreciation X luminaire dirt depreciation(per IES Manual RP-6-88,p.92)

\*\*\*Light Loss Factor(LLF)=average tilt factor X maintenance factor.

NOTE: Light level averages and uniformities are guaranteed by MUSCO. However, individual location measurements may vary from computer predictions.

INSTAULATION REQUIREMENTS: Results assume +-3% nominal voltage at load side of ballast box and poles located within 3 feet of design locations.

SCALE IN FEET

0 100 200



5523 INTEGRITY WAY APPLETON, WI 54913

OFFICE: 920-560-4800 FAX: 920-560-4850 MADISON MALLARDS

INITIAL ILLUMINATION RECT

DATE: 12/27/2016 DRAWN BY: AMD
REVISION DATE: REVISION BY:

DISCLOSURES AND CONTENTS OF THESE DRAWINGS ARE CONFIDENTIAL AND EXCLUSIVE PROPERTY OF MODS INTERNATIONAL, INC AND MAY NOT BE REPRODUCED OR USED WITHOUT PERMISSION

SHEET

### WERNER PARK BB MADISON, WI Mounting Pole Fibt. Kilow height size Elev. /unit /unit A1-A2 90' 90' 0' 11 17.07 90' 90' 0' 24 38.4 90' 90' 0' 26 40.54 B2 C1-D2 70' 70' 0' 10 16 77.0 192.0 35.4 45.8 44.2 58.5 62.2 53.5 55.5 55.9 52.2 44. 59.4 58.2 52.5 53.9 62.5 63.3 60.3 44.9 56.7 54.1 48.2 50.2 55.7 58.0 62.0 55.0 33.7 54.9 51.3 46.4 43.7 44.3 46.6 53.9 59.1 55.0 44.9 -51.0 51.7 46.5 40.7 36.9 37.8 44.6 53.9 62.1 60.4 44.1 49.5 54.0 56.6 49.9 41.5 35.8 33.5 37.8 46.6 58.1 63.3 52.3 50.8 63.3 66.0 58.2 49.7 40.6 35.8 37.0 44.4 55.8 62.6 56.0 33 6 64.7 74.1 75.0 70.0 64.1 49.7 41.5 40.8 43.8 50.4 54.1 55.6 280 0 70.3 75.7 75.0 72.7 70.0 58.2 49.9 46.6 46.7 48.6 52.9 53.8 44.5 95.0 67.9 72.2 72.4 75.0 75.0 66.0 56.6 52.1 52.1 55.0 59.1 62.9 46.3 75.3 72.2 75.7 74.1 63.4 54.2 52.1 56.9 59.7 62.0 60.1 36. 67.9 72.5 67.9 70.3 64.7 50.8 49.8 50 1 56.1 59.3 50.7 36.9 60.0 **B2** 95.0 199.0' 50.0

Fixture Type: Lamp Type: Lumens: File # / Date: Project Engineer:

SC-2 MZ 1500W MZ/1000W MZ 155000/105000 64974r / 11-Oct-2001 Debra Wamer



## MAINTAINED ILLUMINATION BASEBALL HORIZONTAL FOOTCANDLES ON PLANE AT Z= 3

25 71.48 75.67 Target Points: 50.57 66.00 Average: Maximum: 64.08 33.34 Minimum: 1.115 1.181 1.517 Avg/Min: Max/Min: 1.979

Number of Luminaires: \* KW Consumption:

Average Tilt Factor: \*\*\* Maintenance Factor: 0.950 0.800 \*\*\*Light Loss Factor:

112

177.08

\*Refer to amperage draw for electrical sizing.

\*\*Maintenance factor = ambient temp. factor X voltage factor X ballast factor X lamp lumen depreciation X luminaire dirt depreciation(per IES Manual RP-6-88,p.92)

\*\*\*Light Loss Factor(LLF)=average tilt factor X maintenance factor.

NOTE: Light level averages and uniformities are guaranteed by MUSCO. However, individual location measurements may vary from computer predictions.

INSTALLATION REQUIREMENTS: Results assume +-3% nominal voltage at load side of ballast box and poles located within 3 feet of design locations.

COPYRIGHT (C) 1981,2001 MUSCO SPORTS LIGHTING INC. - Not to be reproduced in whole or part without the written consent of Musco Sports Lighting Inc. - = Pole Location



EQUIPMENT LISTING

5523 INTEGRITY WAY APPLETON, WI 54913

OFFICE: 920-560-4800 FAX: 920-560-4850

NTERNATIONAL

MADISON MALLARDS

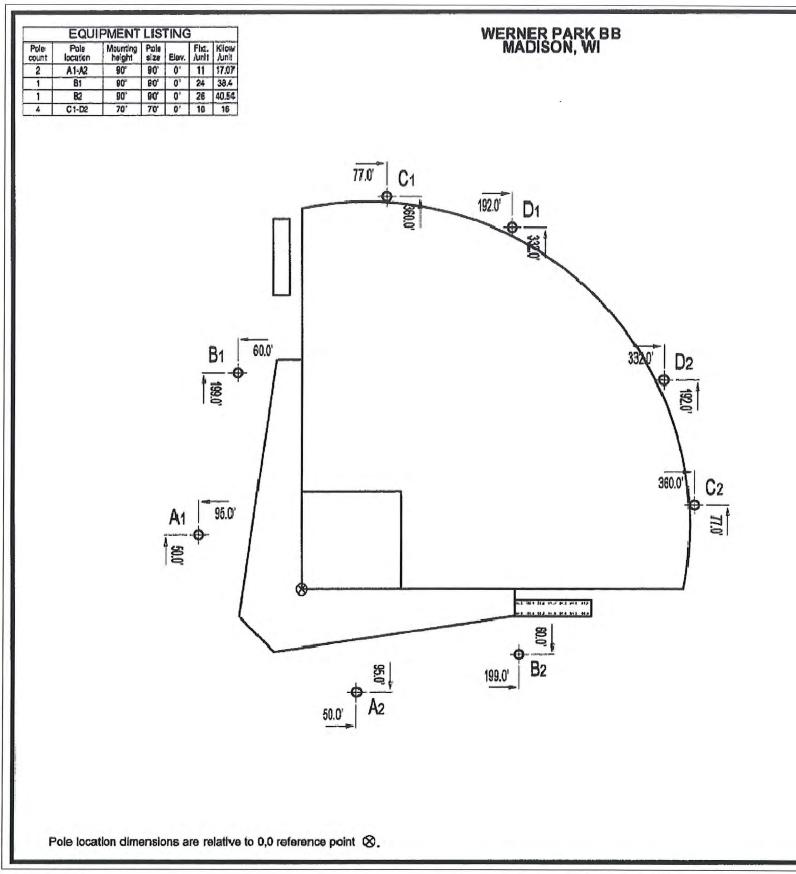
MAINTAINED ILLUMINATION

Polle location dimensions are relative to 0,0 reference point .

DATE: 12/27/2016 DRAWN BY: AMD REVISION DATE: REVISION BY:

DISCLOSURES AND CONTENTS OF THESE DRAWINGS ARE CONFIDENTIAL AND EXCLUSIVE PROPERTY OF MODS INTERNATIONAL, INC AND MAY NOT BE REPRODUCED OR USED WITHOUT PERMISSION

SHEET



Fixture Type: Lamp Type: Lumens: File # / Date: Project Engineer: SC-2 MZ 1500W MZ/1000W MZ 155000/105000 64974r / 11-Oct-2001 Debra Warner



MAINTAINED ILLUMINATION RECTANGLE HORIZONTAL FOOTCANDLES ON PLANE AT Z= 3

 Target Points:
 14

 Average:
 55.34

 Maximum:
 60.42

 Minimum:
 49.62

 Avg/Min:
 1.115

 Max/Min:
 1.218

Number of Luminaires: 112
\* KW Consumption: 177.08

Average Tilt Factor: 0.950
\*\* Maintenance Factor: x 0.800
\*\*\*Light Loss Factor: 0.760

\*Refer to amperage draw for electrical sizing.

\*\*Maintenance factor = ambient temp. factor X voltage factor X ballast factor X lamp lumen depreciation X luminaire dirt depreciation(per IES Manual RP-6-88,p.92)

\*\*\*Light Loss Factor(LLF)=average tilt factor X maintenance factor.

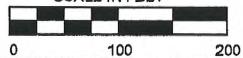
NOTE: Light level averages and uniformitles are guaranteed by MUSCO. However, individual location measurements may vary from computer predictions.

INSTALLATION REQUIREMENTS; Results assume +-3% nominal voltage at load side of ballast box and poles located within 3 feet of design locations.

COPYRIGHT (C) 1981,2001
MUSCO SPORTS LIGHTING INC. - Not to be reproduced in whole or part without the written consent of Musco Sports Lighting Inc.

-D- = Pole Location

### SCALE IN FEET





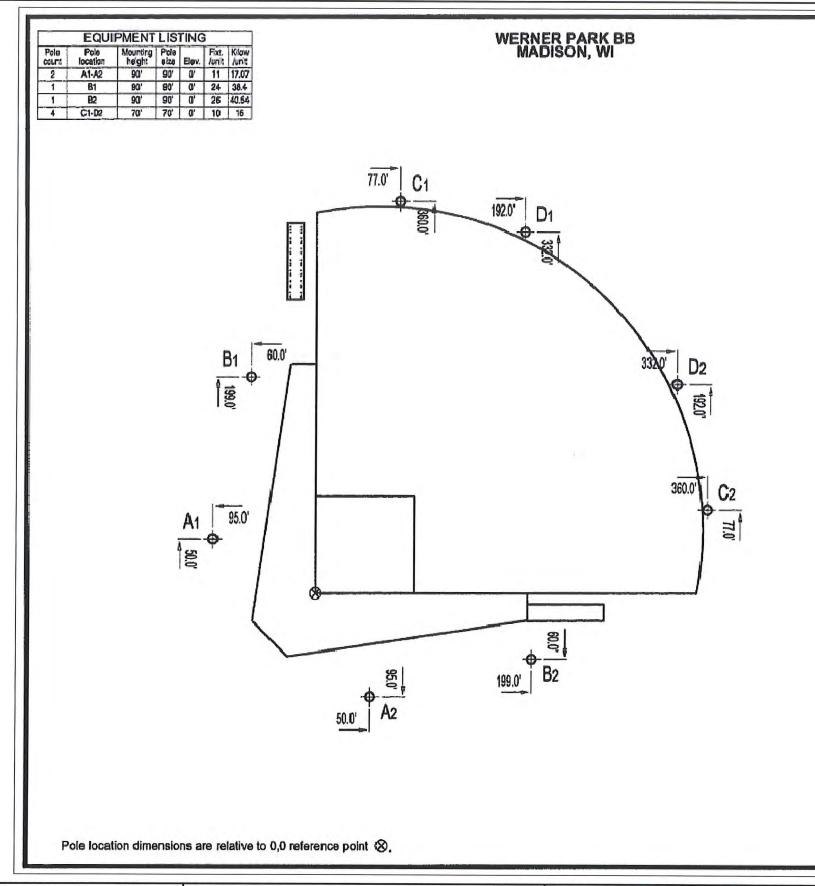
5523 INTEGRITY WAY APPLETON, WI 54913

OFFICE: 920-560-4800 FAX: 920-560-4850

JOB NAME:	DATE:	12/27/2016	DRAWN BY:	AMD
MADISON MALLARDS	REVISION DATE:		REVISION BY:	
DRAWING NAME:				
MAINTAINED ILLUMINATION REC				

DISCLOSURES AND CONTENTS OF THESE DRAWINGS ARE CONFIDENTIAL AND EXCLUSIVE PROPERTY OF MODS INTERNATIONAL, INC AND MAY NOT BE REPRODUCED OR USED WITHOUT PERMISSION

SHEET



Fixture Type: Lamp Type: Lumens: File # / Date: Project Engineer:

SC-2 MZ 1500W MZ/1000W MZ 155000/105000 64974r / 11-Oct-2001 Debra Warner



MAINTAINED ILLUMINATION RECTANGLE HORIZONTAL FOOTCANDLES ON PLANE AT Z= 3

Target Points: 14
Average: 32,70
Maximum: 45,49
Minimum: 17,36
Avg/Min: 1,883
Max/Min: 2,620

Number of Luminaires: 112
\* KW Consumption: 177.08

Average Tilt Factor: 0.950
\*\* Maintenance Factor: x 0.800
\*\*\*Light Loss Factor: 0.760

\*Refer to amperage draw for electrical sizing.

\*\*Maintenance factor = ambient temp. factor X voltage factor X ballast factor X lamp lumen depreciation X luminaire dirt depreciation(per IES Manual RP-6-88,p.92)

\*\*\*Light Loss Factor(LLF)=average tilt factor X maintenance factor.

NOTE: Light level averages and uniformities are guaranteed by MUSCO. However, individual location measurements may vary from computer predictions.

INSTALLATION REQUIREMENTS: Results assume +-3% nominal voltage at load side of ballast box and poles located within 3 feet of design locations.





5523 INTEGRITY WAY APPLETON, WI 54913

OFFICE: 920-560-4800 FAX: 920-560-4850 MADISON MALLARDS

DRAWING NAME:

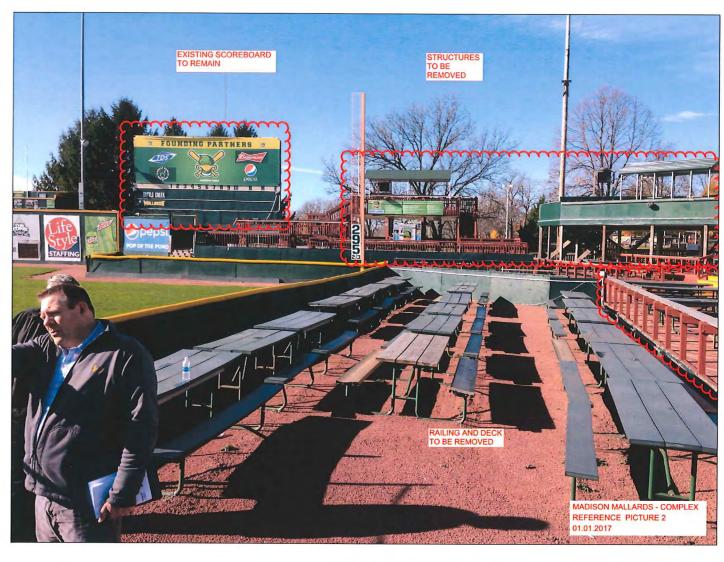
MAINTAINED ILLUMINATION RECT

DATE: 12/27/2016 DRAWN BY: AMD
REVISION DATE: REVISION BY:

DISCLOSURES AND CONTENTS OF THESE DRAWINGS ARE CONFIDENTIAL AND EXCLUSIVE PROPERTY OF MODS INTERNATIONAL, INC AND MAY NOT BE REPRODUCED OR USED WITHOUT PERMISSION

SHEET







OFFICE: 920-560-4800 FAX: 920-560-4850 MADISON MALLARDS

DRAWING NAME:
SITE REFERENCE PICTURES

DATE: 01/02/2017 DRAWN BY: JJJ
REVISION DATE: REVISION BY:

DISCLOSURES AND CONTENTS OF THESE DRAWINGS ARE CONFIDENTIAL AND EXCLUSIVE PROPERTY OF MODS INTERNATIONAL, INC AND MAY NOT BE REPRODUCED OR USED WITHOUT PERMISSION

SHEET







OFFICE: 920-560-4800 FAX: 920-560-4850 MADISON MALLARDS

SITE REFERENCE PICTURES

DATE: O1/02/2017 DRAWN BY: JJJ
REVISION DATE: REVISION BY:

DISCLOSURES AND CONTENTS OF THESE DRAWINGS ARE CONFIDENTIAL AND EXCLUSIVE PROPERTY OF MODS INTERNATIONAL, INC AND MAY NOT BE REPRODUCED OR USED WITHOUT PERMISSION

SHEET







OFFICE: 920-560-4800 FAX: 920-560-4850 MADISON MALLARDS

SITE REFERENCE PICTURES

DATE: OI/O2/2011 DRAWN BY: JU
REVISION DATE: REVISION BY:

DISCLOSURES AND CONTENTS OF THESE DRAWINGS ARE CONFIDENTIAL AND EXCLUSIVE PROPERTY OF MODS INTERNATIONAL, INC AND MAY NOT BE REPRODUCED OR USED WITHOUT PERMISSION

SHEET





OFFICE: 920-560-4800 FAX: 920-560-4850 MADISON MALLARDS

SITE REFERENCE RENDERING

DATE:	01/02/2017	DRAWN BY:	JJJ
REVISION DATE:		REVISION BY:	

DISCLOSURES AND CONTENTS OF THESE DRAWINGS ARE CONFIDENTIAL AND EXCLUSIVE PROPERTY OF MODS INTERNATIONAL, INC AND MAY NOT BE REPRODUCED OR USED WITHOUT PERMISSION

SHEET





OFFICE: 920-560-4800 FAX: 920-560-4850 MADISON MALLARDS

SITE REFERENCE RENDERING

DATE: OI/O2/2017 DRAWN BY: JJJ
REVISION DATE: REVISION BY:

DISCLOSURES AND CONTENTS OF THESE DRAWINGS ARE CONFIDENTIAL AND EXCLUSIVE PROPERTY OF MODS INTERNATIONAL, INC AND MAY NOT BE REPRODUCED OR USED WITHOUT PERMISSION

SHEET





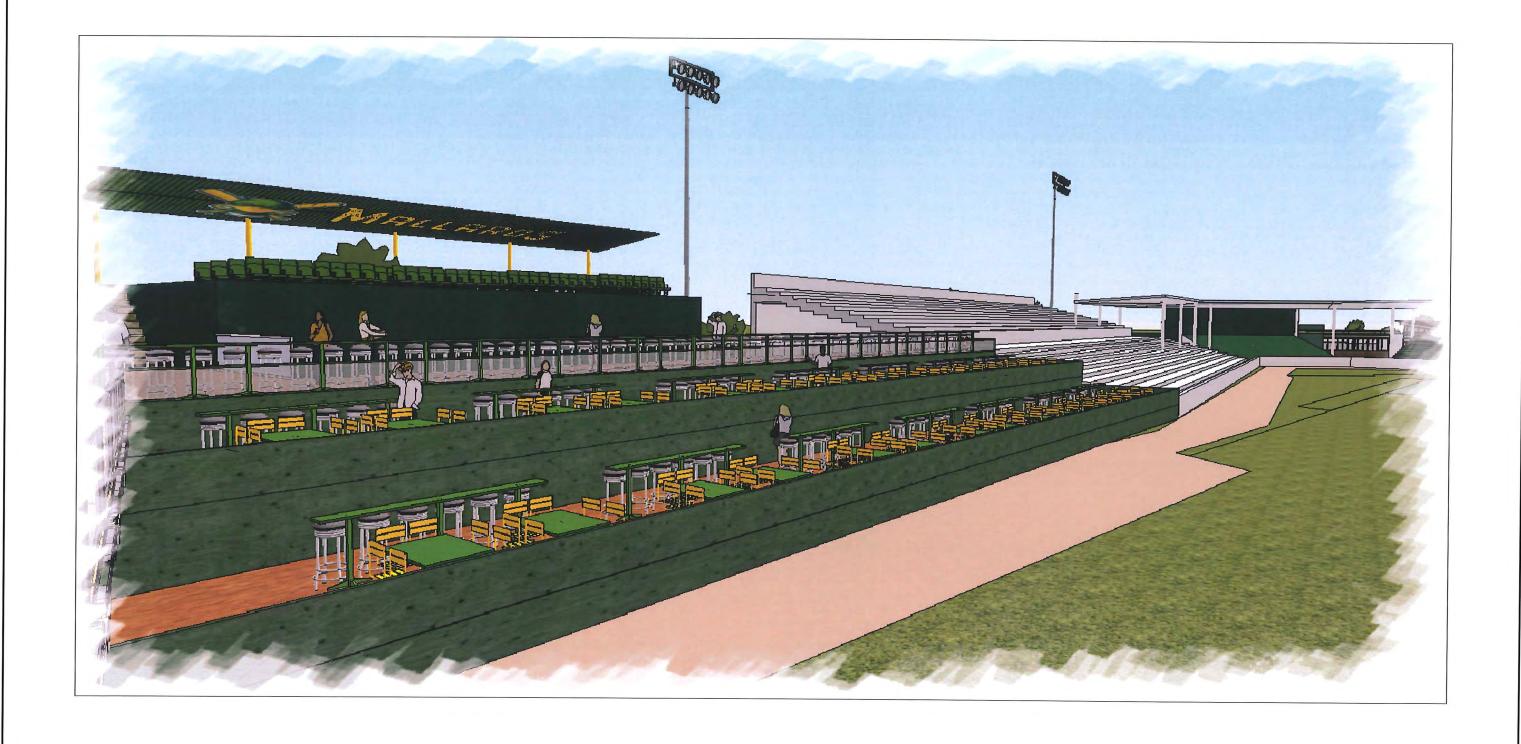
OFFICE: 920-560-4800 FAX: 920-560-4850 MADISON MALLARDS

SITE REFERENCE RENDERING

DATE:	01/02/2017	DRAWN BY:	JJJ
REVISION DATE:		REVISION BY:	
	-		

DISCLOSURES AND CONTENTS OF THESE DRAWINGS ARE CONFIDENTIAL AND EXCLUSIVE PROPERTY OF MODS INTERNATIONAL, INC AND MAY NOT BE REPRODUCED OR USED WITHOUT PERMISSION

SHEET





OFFICE: 920-560-4800 FAX: 920-560-4850 MADISON MALLARDS

SITE REFERENCE RENDERING

DATE:	01/02/2017	DRAWN BY:	JJJ
REVISION DATE:		REVISION BY:	
		0 11 0 21 20 11	

DISCLOSURES AND CONTENTS OF THESE DRAWINGS ARE CONFIDENTIAL AND EXCLUSIVE PROPERTY OF MODS INTERNATIONAL, INC AND MAY NOT BE REPRODUCED OR USED WITHOUT PERMISSION

SHEET





OFFICE: 920-560-4800 FAX: 920-560-4850 MADISON MALLARDS

SITE REFERENCE RENDERING

DATE: 01/02/2017 DRAWN BY: JJJ
REVISION DATE: REVISION BY:

DISCLOSURES AND CONTENTS OF THESE DRAWINGS ARE CONFIDENTIAL AND EXCLUSIVE PROPERTY OF MODS INTERNATIONAL, INC AND MAY NOT BE REPRODUCED OR USED WITHOUT PERMISSION

SHEET





OFFICE: 920-560-4800 FAX: 920-560-4850

MADISON MALLARDS

REVISION DATE: REVISION BY: SITE REFERENCE RENDERING

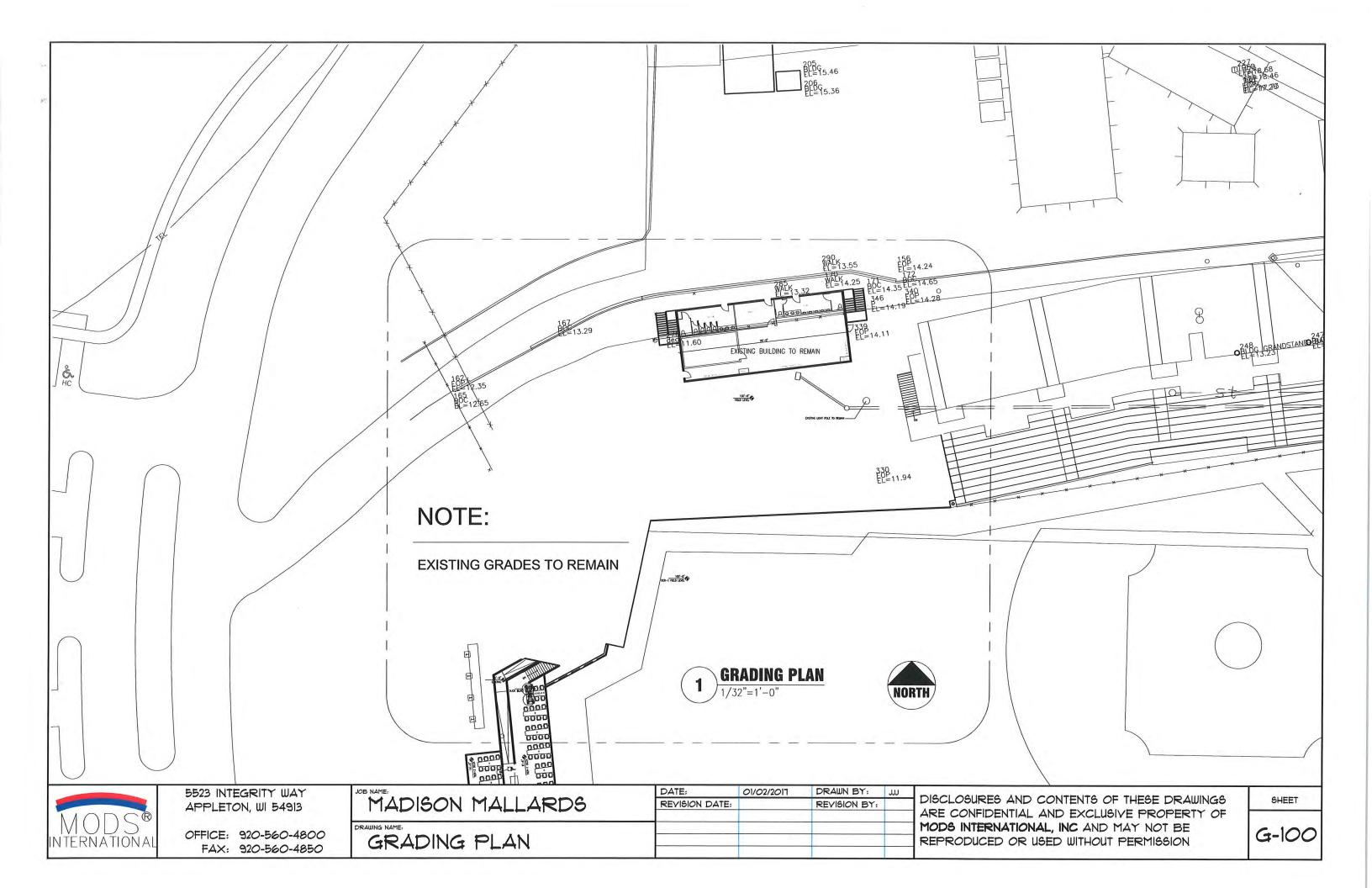
DATE:

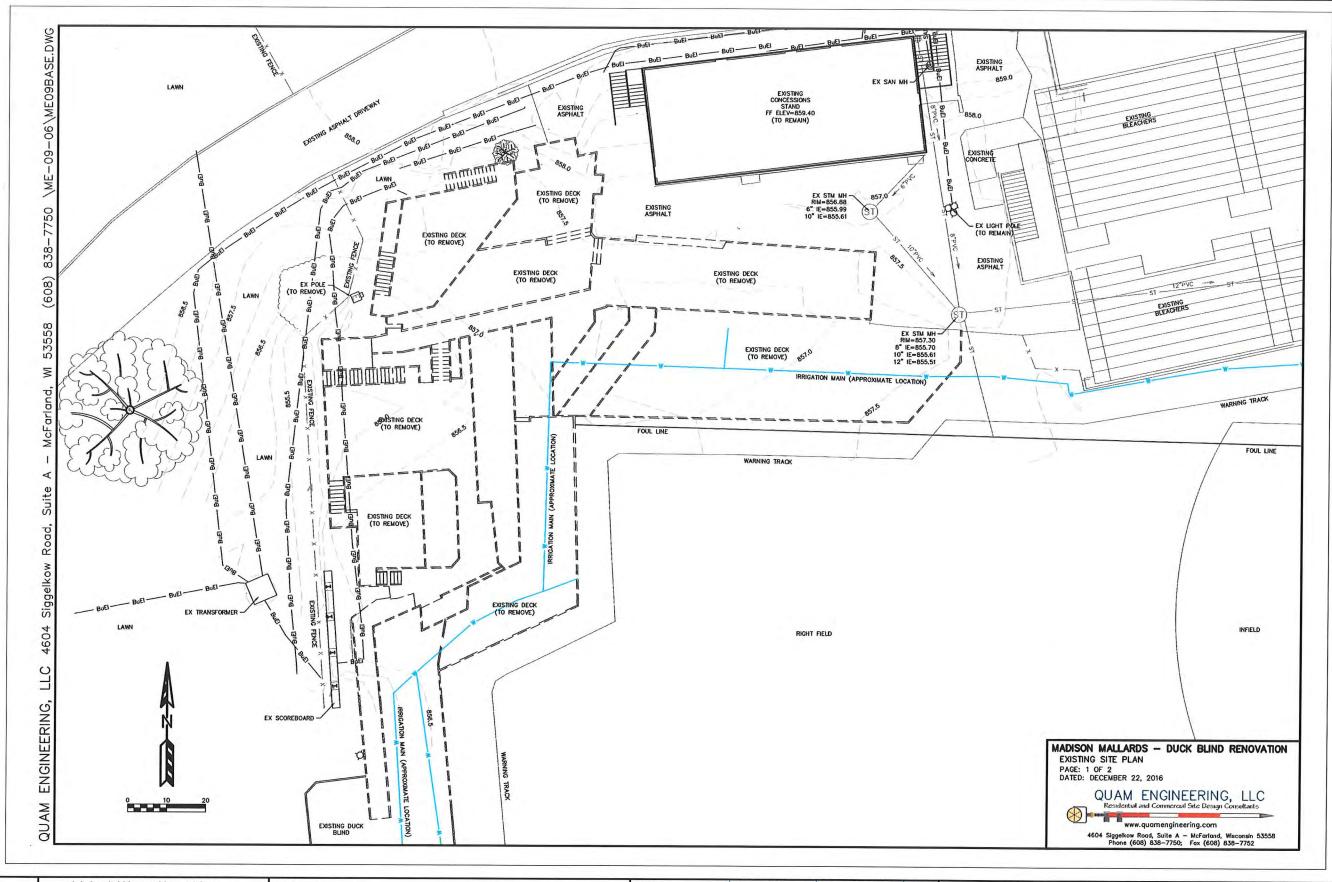
01/02/2017

DRAWN BY: JU

DISCLOSURES AND CONTENTS OF THESE DRAWINGS ARE CONFIDENTIAL AND EXCLUSIVE PROPERTY OF MODS INTERNATIONAL, INC AND MAY NOT BE REPRODUCED OR USED WITHOUT PERMISSION

SHEET







OFFICE: 920-560-4800 FAX: 920-560-4850

MADISON	MALLARDS
DRAWING NAME:	
EXISTING C	CONDITIONS PLAN

1	DATE:	01/02/2017	DRAWN BY:	JJJ
	REVISION DATE:		REVISION BY:	
_				
				1
				-

DISCLOSURES AND CONTENTS OF THESE DRAWINGS ARE CONFIDENTIAL AND EXCLUSIVE PROPERTY OF MODS INTERNATIONAL, INC AND MAY NOT BE REPRODUCED OR USED WITHOUT PERMISSION

SHEET

E-100