

# CONSTRUCTION DOCUMENTS PICKLEBALL COURTS EAST TENNESSEE STATE UNIVERSITY

JOHNSON CITY, TENNESSEE  
SBC PROJECT NO. 369/000-01-2021

**CODE SYNOPSIS**

GOVERNING CODES:  
2021 International Building Code  
2018 International Fire Code  
2018 International Plumbing Code (IFC)  
2018 International Energy Conservation Code (IECC)  
2018 International Existing Building Code (IEBC)  
2018 International Safety Code (IFSC)  
2018 International Sign Code (ISC)  
2018 International Stormwater Management Code (ISWMC)  
2018 International Water Code (IWC)  
2018 International Wildland-Urban Interface Code (IWUIC)  
2018 International Zoning Code (IZC)  
2018 International Building Code (IBC)  
2018 International Fire Code (IFC)  
2018 International Plumbing Code (IPC)  
2018 International Energy Conservation Code (IECC)  
2018 International Existing Building Code (IEBC)  
2018 International Safety Code (ISFC)  
2018 International Sign Code (ISC)  
2018 International Stormwater Management Code (ISWMC)  
2018 International Water Code (IWC)  
2018 International Wildland-Urban Interface Code (IWUIC)  
2018 International Zoning Code (IZC)

**PROJECT DESCRIPTION**

WORK IS LIMITED TO THE FOLLOWING:  
 • NEW PICKLEBALL COURTS INCLUDING PLAYING SURFACE AND PERIMETER FINISHES  
 • PROVISIONS FOR FUTURE COMMUNICATIONS CABLEING

DRAWING INDEX	
SHEET NO.	DRAWING TITLE
	COVER SHEET AND INDEX
C 1.0	PICKLEBALL COURT PLAN
C 2.0	LEGENDS AND SCHEDULES
C 3.0	GRADING AND DRAINAGE PLAN
C 4.0	GRADING AND DRAINAGE DETAILS
EO.1	LEGENDS AND SCHEDULES
E1.1	SITE LIGHTING AND POWER PLAN
E1.2	SITE COMMUNICATION PLAN
E1.3	SITE PHOTOMETRICS PLAN

**ENGINEERS:**



**ARCHITECT:**





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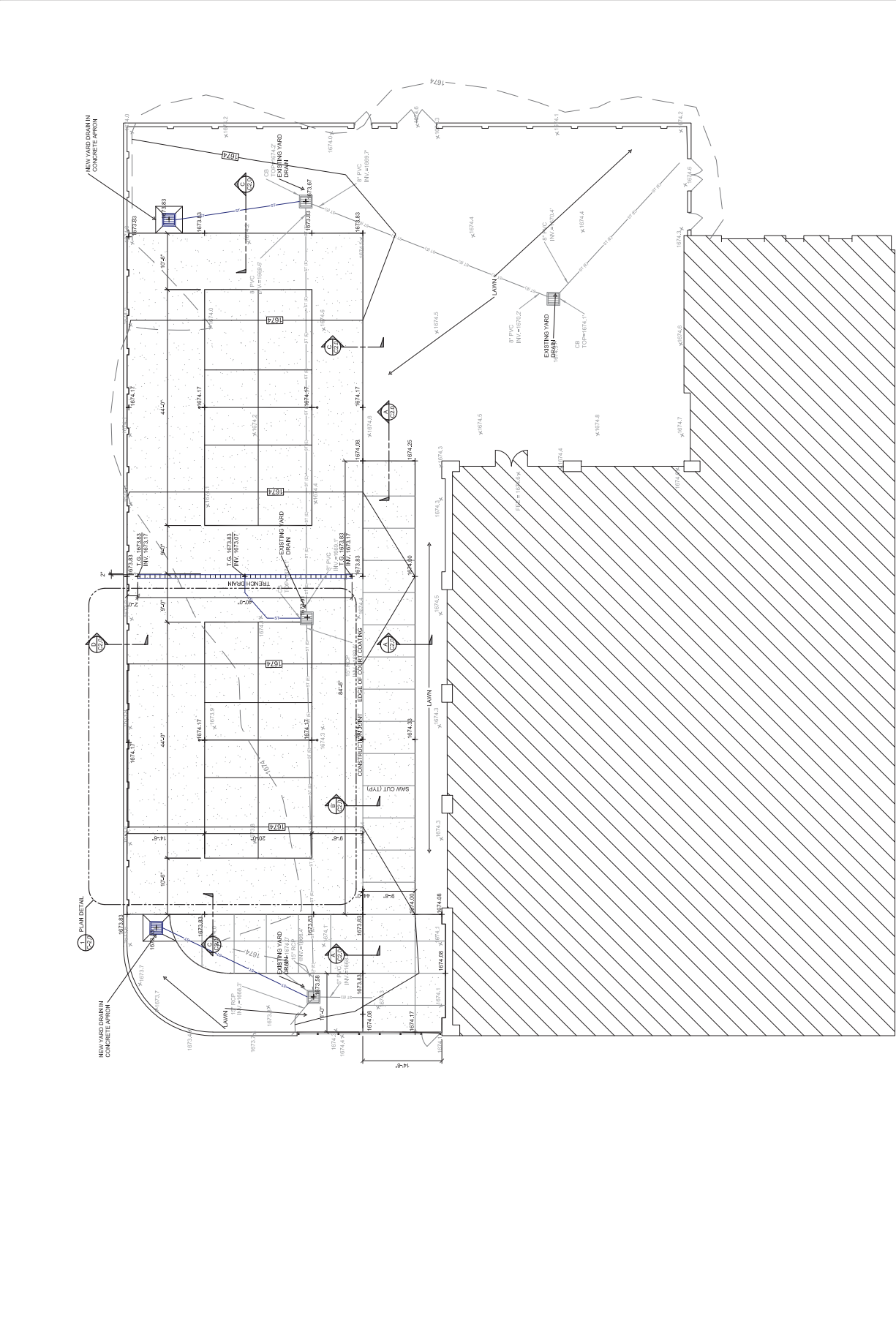
Approval:  
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**EAST TENNESSEE STATE UNIVERSITY**  
 JOHNSON CITY, TENNESSEE  
 1744 JACK WEST DRIVE, JOHNSON CITY, TN 37614  
 ETSU PICKLEBALL COURTS - BASLER CENTER FOR PHYSICAL ACTIVITY  
 SBC PROJECT NUMBER: 3691000-01-2021E

Job No: ETSU06  
 Date: 11/19/2025  
 Drawn by: JG  
 Scale: AS NOTED

Sheet Title:  
**PICKLEBALL COURTS AND SCHEDULES**

Scale: AS NOTED  
 SHEET  
**C 1.0**



**PICKLEBALL COURT PLAN**  
 SCALE: 1/8" = 1'-0"





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Professional Engineer  
 State of Tennessee  
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 Date of Issue: 01/15/2018  
 Expiration Date: 01/15/2021



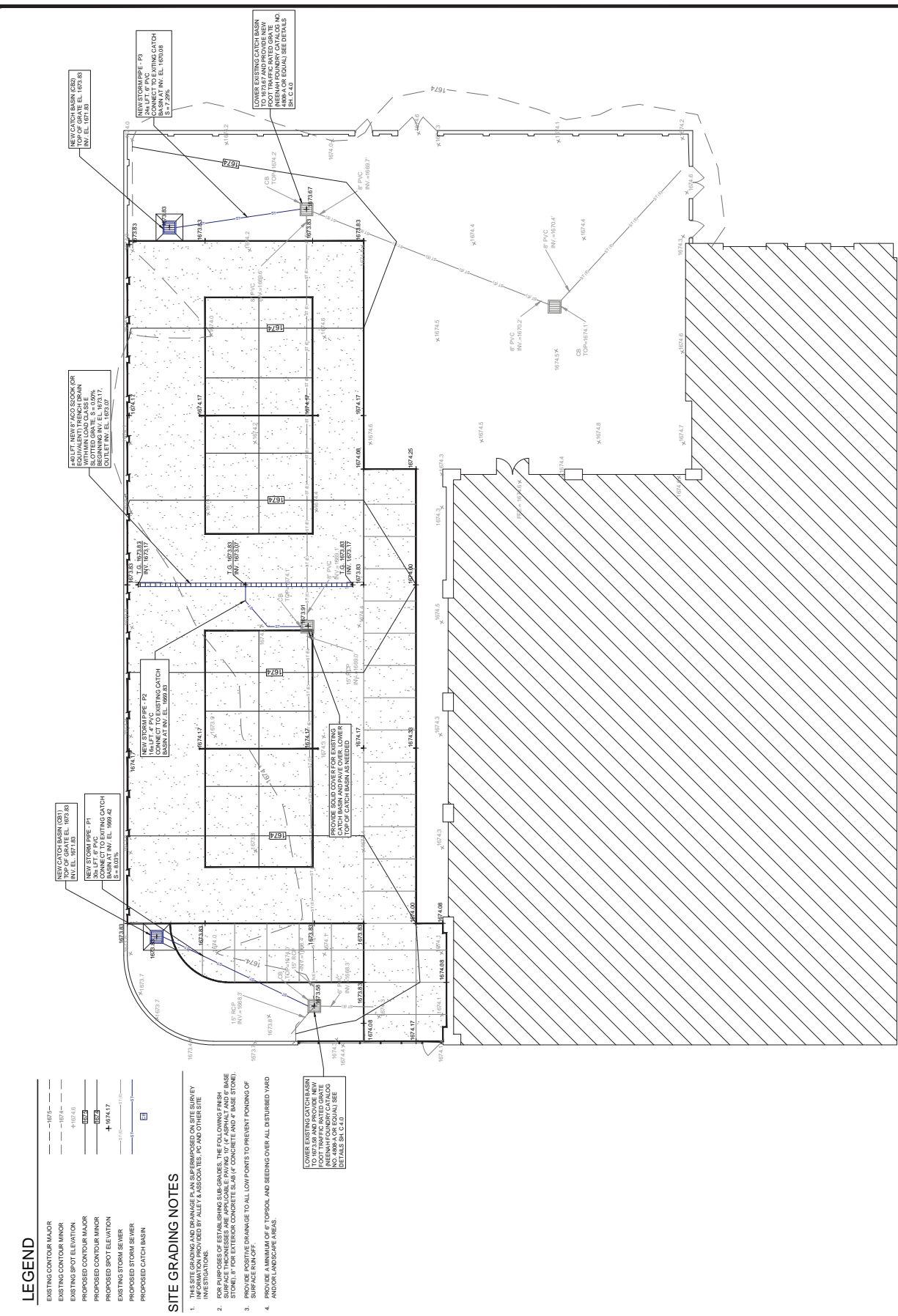
Revisions

**EAST TENNESSEE STATE UNIVERSITY**  
 1244 JACK WEST DRIVE, JOHNSON CITY, TN 37614  
 SBC PROJECT NUMBER: 2691000-01-2021E

ETSU PICKLEBALL COURTS - BASLER CENTER FOR PHYSICAL ACTIVITY  
 Job No: ET506  
 Date: 11/19/2020  
 Drawn by: JDO  
 Checked by: JDO

Sheet Title: PICKLEBALL COURTS - BASLER CENTER FOR PHYSICAL ACTIVITY  
 Scale: AS NOTED

SHEET  
**C 30**



- LEGEND**
- 1073.00 --- EXISTING CONTOUR MAJOR
  - 1073.50 --- EXISTING CONTOUR MINOR
  - 1074.00 --- EXISTING SPOT ELEVATION
  - 1074.50 --- PROPOSED CONTOUR MAJOR
  - 1075.00 --- PROPOSED CONTOUR MINOR
  - 1075.50 --- PROPOSED SPOT ELEVATION
  - 1076.00 --- EXISTING STORM SEWER
  - 1076.50 --- PROPOSED STORM SEWER
  - 1077.00 --- PROPOSED CATCH BASIN

- SITE GRADING NOTES**
1. THIS SITE GRADING AND DRAINAGE PLAN IS SUPERIMPOSED ON SITE SURVEY INFORMATION PROVIDED BY ALLEN & ASSOCIATES, P.C. AND OTHER SITE INVESTIGATIONS.
  2. FOR PURPOSES OF ESTABLISHING SUB-GRADES, THE FOLLOWING FINISH SURFACE THICKNESSES ARE APPLICABLE: PAVING 1" (IF ASPHALT) AND 6" BASE STONE (IF FOR EXTERIOR CONCRETE SLAB) (CONCRETE AND 6" BASE STONE).
  3. PROVIDE DRAINAGE TO ALL LOW POINTS TO PREVENT PONDING OF SURFACE RUN-OFF.
  4. PROVIDE A MINIMUM OF 1% SLOPE AND SEEDING OVER ALL DISTURBED YARD AND/OR LANDSCAPE AREAS.

LOWER EXISTING CATCH BASIN  
 FOOT TRAFFIC RATED GRATE  
 NO. 480A OR EQUAL SEE  
 DETAILS SH. C 10



**GRADING AND DRAINAGE PLAN**  
 SCALE: 1/8" = 1'-0"









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The preparation of this proposal is based on the information provided by the client. Facility Systems Consultants, LLC is not responsible for the accuracy or completeness of the information provided. The client is responsible for the accuracy and completeness of the information provided. The client is responsible for the accuracy and completeness of the information provided.



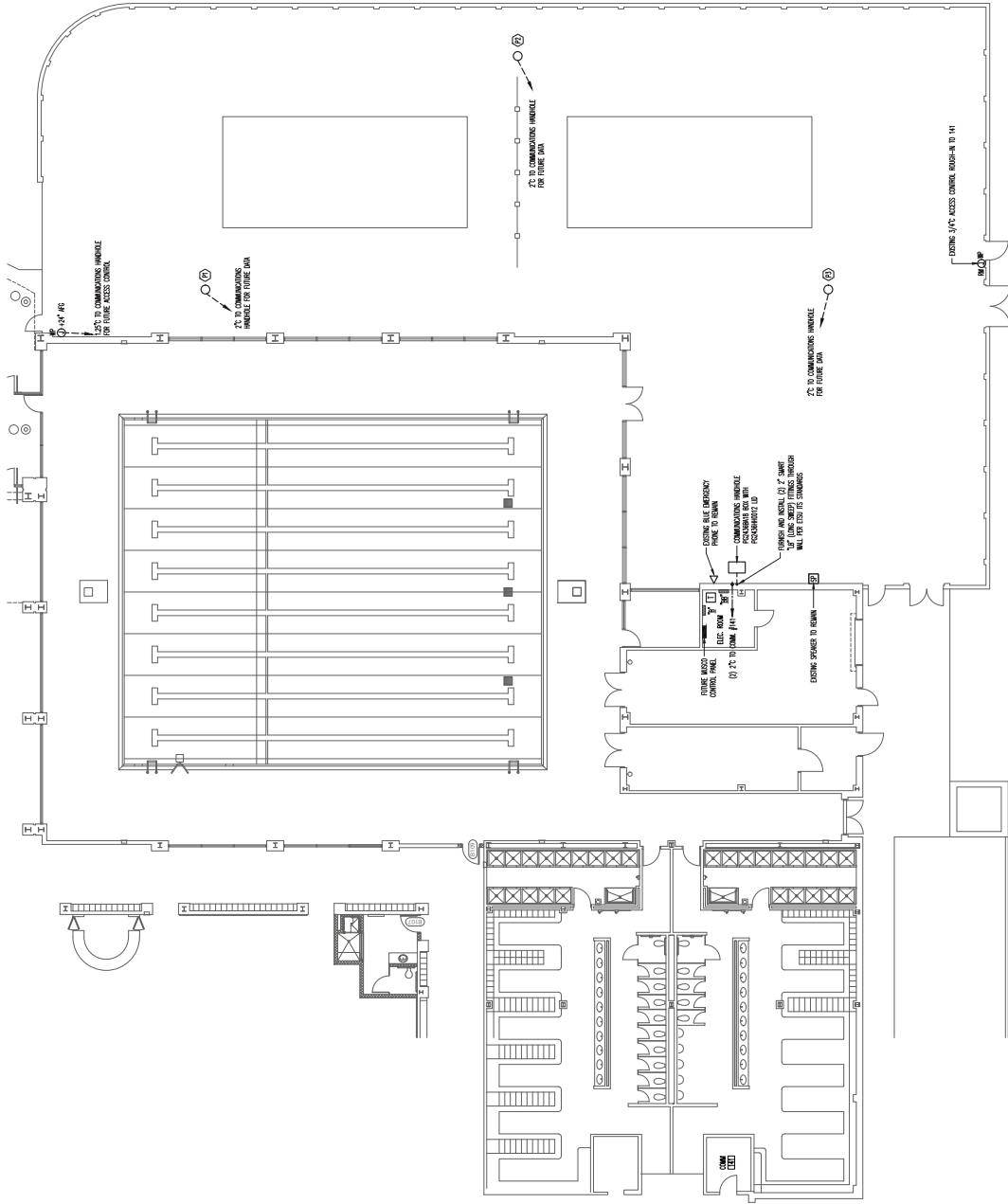
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 SBC PROJECT NUMBER: 369/000-01-2021E

ETSU No: 1119/2025  
 Drawn by: [Name]  
 Checked by: [Name]  
 Date: 11/19/2025

Sheet Title: SITE COMMUNICATION PLAN  
 Scale: AS NOTED

**E1.2**



**SITE COMMUNICATION PLAN**  
 SCALE: 1"=40'



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None

ETSU PICKLEBALL COURTS - BASLER CENTER FOR PHYSICAL ACTIVITY  
 1244 JACK VEST DRIVE, JOHNSON CITY, TN 37614  
**JOHNSON CITY, TENNESSEE**  
 SBC PROJECT NUMBER: 3691000-01-2021E

ETSU No: ETSU00  
 Date: 11/19/2025  
 Drawn by: M.S.  
 Checked by: M.S.

Sheet Title: SITE PHOTOMETRICS PLAN  
 Scale: AS NOTED

**E1.3**

**ETSU Pickleball**  
 Johnson City, TN

**Grid Summary**

Name:	Pickleball
Area:	10.0' x 10.0'
Spacing:	10.0' x 10.0'
Height:	8.0' above grade

**Illumination Summary: Court 1**

MAINTAINED HORIZONTAL FOOT-CANDLES	
Entire Grid	50
Guaranteed Average:	50
Scan Average:	60.16
Maximum:	76
Minimum:	37
Avg/Min:	3.0
Guaranteed Max/Min:	2.5
Max/Min:	1.50
UG (adjacent FS):	1.22
CU:	0.26
No. of Points:	21

**FIXTURE INFORMATION**

Applied Circuits:	A
No. of Fixtures:	8
Total Load:	4.32 KW

**Illumination Summary: Court 2**

MAINTAINED HORIZONTAL FOOT-CANDLES	
Entire Grid	50
Guaranteed Average:	50
Scan Average:	62.34
Maximum:	77
Minimum:	50
Avg/Min:	1.26
Guaranteed Max/Min:	2
Max/Min:	1.54
UG (adjacent FS):	1.31
CU:	0.27
No. of Points:	21

**FIXTURE INFORMATION**

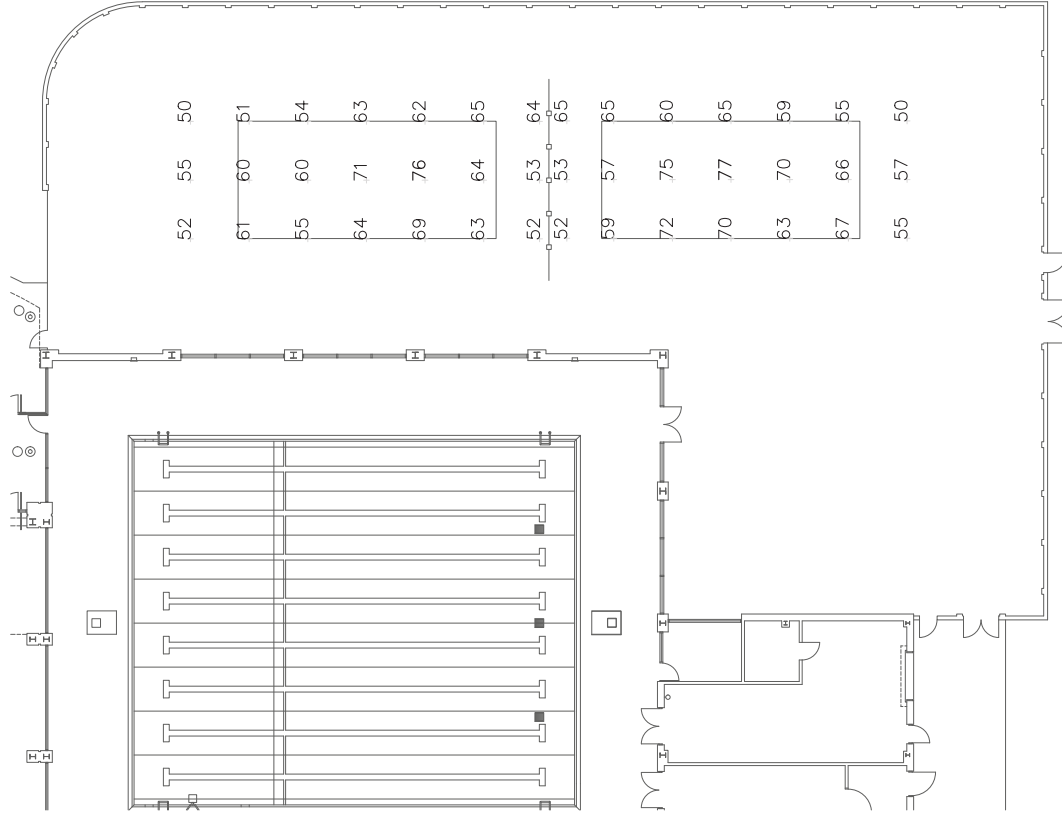
Applied Circuits:	A
No. of Fixtures:	8
Total Load:	4.32 KW

**Guaranteed Performance:** The ILLUMINATION described above is guaranteed per your Museo Warranty document.

**Field Measurements:** Individual field measurements may vary from computer-calculated predictions.

**Electrical System Requirements:** Refer to Appendix Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

**Installation Requirements:** Results assume ±3% accuracy. Fixtures are to be mounted on structures located within 3 feet (1m) of design locations.



**SITE PHOTOMETRICS PLAN**  
 SCALE: 1/4" = 1'-0"