

Lee's Summit R7 District
Athletics Facilities

Lee's Summit North High School
901 NE Douglas Street
Lee's Summit, MO 64086

owner:
Lee's Summit R-7 School District
301 NE Tudor Road
Lee's Summit, MO 64086

architect:
Gould Evans
4200 Pennsylvania Avenue
Kansas City, MO 64111
816.931.6655 voice
www.gouldevans.com

structural engineer:
Bob O. Campbell & Company, Inc.
4338 Bellevue Avenue
Kansas City, MO 64111
816.531.4144

civil engineer:
Kaw Valley Engineering
14700 West 114th Terrace
Lenexa, KS 66215
913.485.0318

mechanical/electrical engineer:
Henderson Engineers
8345 Lenexa Drive | Suite 300
Lenexa, KS 66214
816.742.5000

HENDERSON
ENGINEERS
8345 LENEKA DRIVE, SUITE 300
LENEKA, KS 66214
TEL 913.742.5000 FAX 913.742.5001
WWW.HENDERSONENGINEERS.COM
2050002134
MO. CORPORATE NO. E-5560
EXPIRES 12/31/2020



Oct 9 2020

REVISIONS

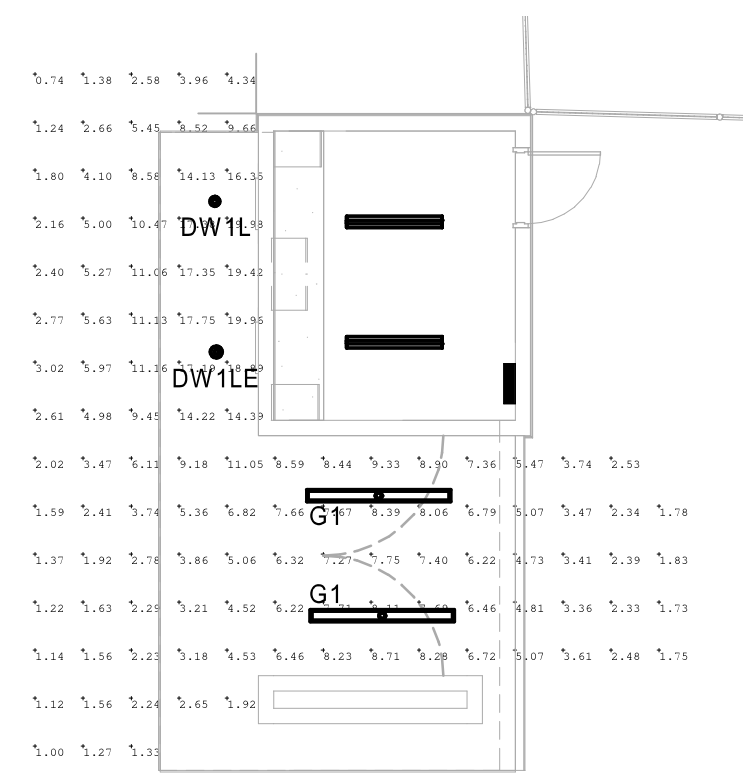
Number DESCRIPTION DATE

PROJECT NO: 0119-0101
DATE: September 28, 2020

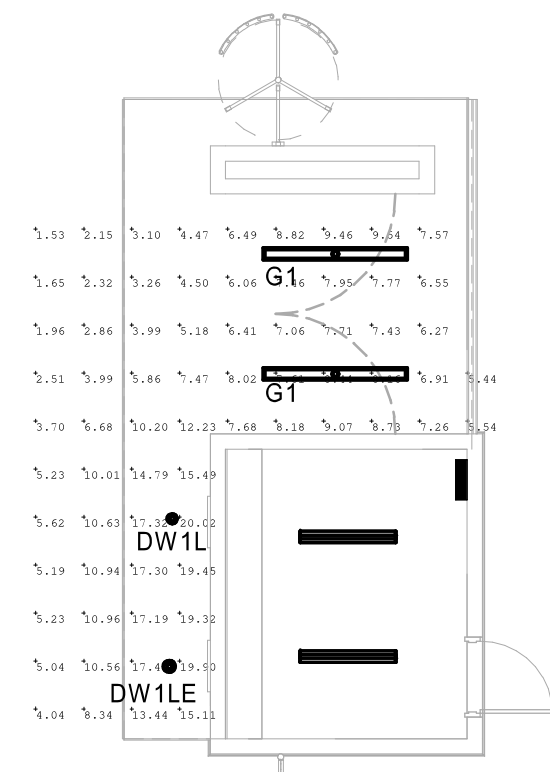
PHOTOMETRIC
LIGHTING PLANS

N-E100P

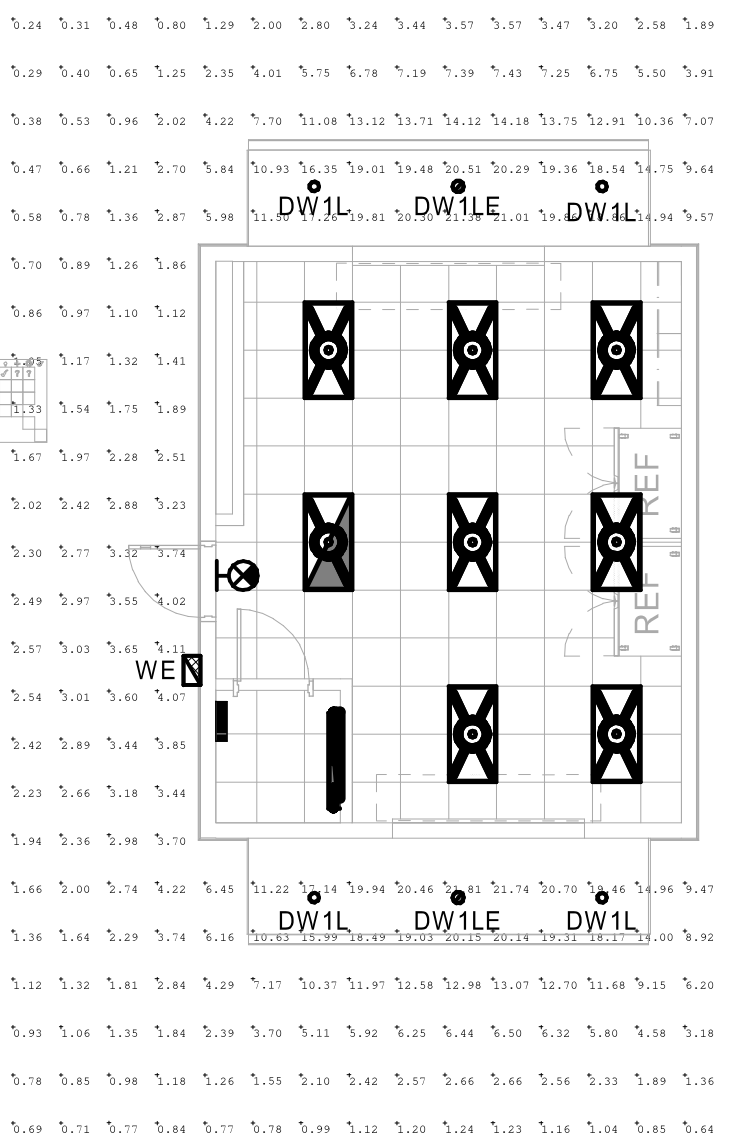
BID SET



① SITE PHOTOMETRIC PLAN - NORTH TICKET BOOTH
1/8" = 1'-0"



② SITE PHOTOMETRIC PLAN - SOUTH TICKET BOOTH
1/8" = 1'-0"



③ SITE PHOTOMETRIC PLAN - VISITOR RESTROOM & CONCESSIONS
1/8" = 1'-0"

Calculation Summary									
Area	CalcType	Units	AVG	Max	Min	Avg/Min	Max/Min		
NORTH TICKET BOOTH NORTH TICKET	ILLUMINANCE	FO	2.09	13.98	0.74	8.23	21.00		
NORTH TICKET BOOTH-Planar	ILLUMINANCE	FO	0.39	2.09	0.03	0.74	13.98		
VISITOR CONCESSIONS-Planar	ILLUMINANCE	FO	1.05	21.81	0.24	25.23	95.88		
VISITOR RESTROOM-Planar	ILLUMINANCE	FO	1.09	5.20	2.88	1.54	1.95		

Luminaire Schedule								
Symbol	Qty	Manufacturer	Total Lum. Lumens	LM	Description	LM	LM	LM
WE	1	BRIDGE	4564.101	0.400	VERITAS® DW1000-LED 80" X 30" 35' AFF	0.400	2000	
DW1E	1	BRIDGE	0.400	0.400	VERITAS® DW1000-LED 80" X 30" 35' AFF	0.400	1.200	
DW1E	1	BRIDGE	0.400	0.400	VERITAS® DW1000-LED 80" X 30" 35' AFF	0.400	1.200	

- SITE LIGHTING PHOTOMETRIC GENERAL NOTES:
- CONTRIBUTIONS FROM EXISTING FIELD LIGHTING FIXTURES ARE NOT INCLUDED IN THESE CALCULATIONS.
 - EXTERIOR FIXTURES ARE THE ONLY FIXTURES LABELED ON THIS SHEET.
 - REFER TO E700 FOR LIGHT FIXTURE SCHEDULE.
 - HIVE FIXTURES ARE MOUNTED AT 20' AFF.
 - DW 1, DW 1E, AND G1 FIXTURES ARE MOUNTED AT 9' AFF.