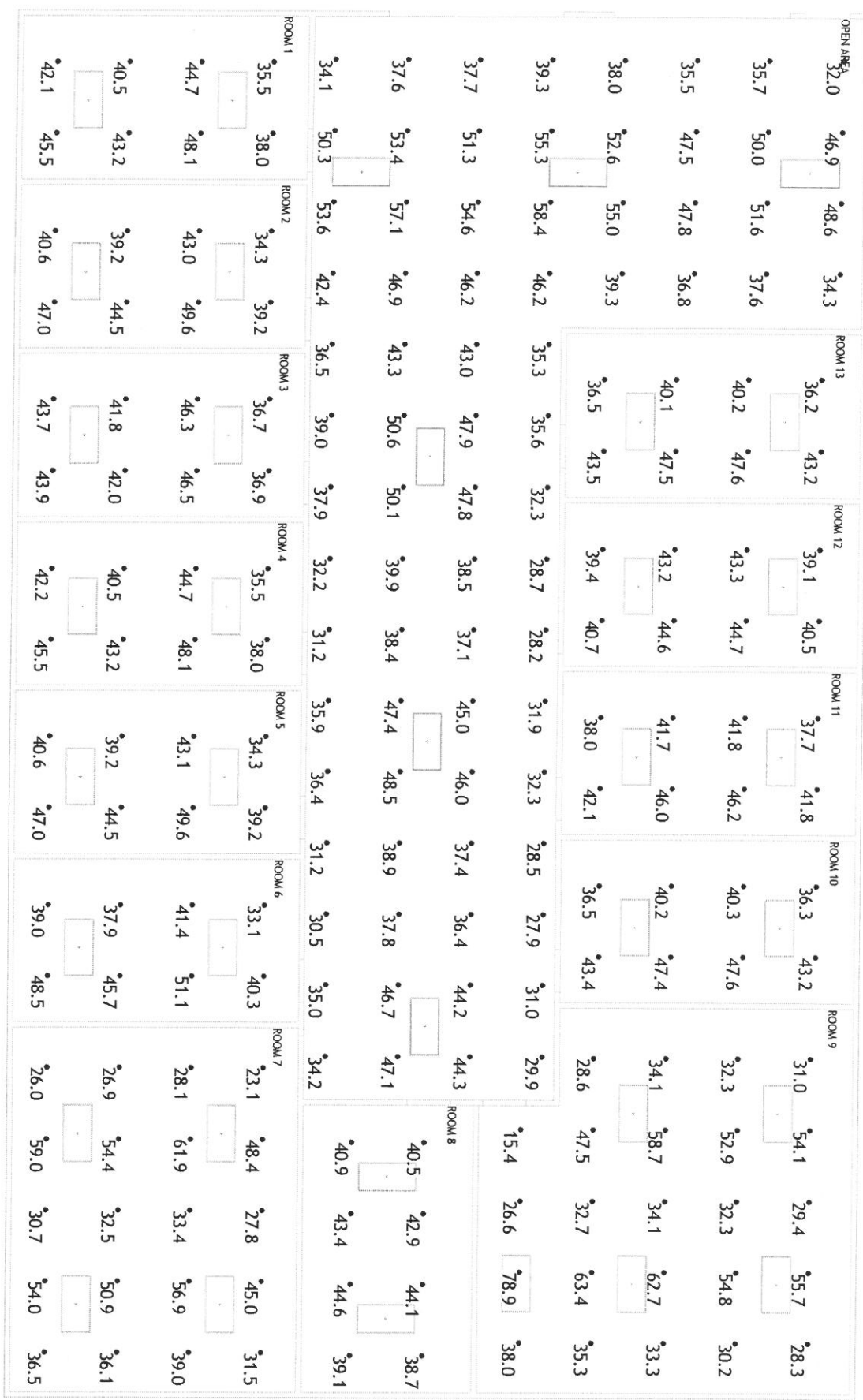


## **BID SPECIFICATIONS FOR ELECTRICAL SERVICE AND LIGHTNING FOR THE SHERMAN COUNTY STORAGE BUILDING**

1. Install 200 amp service from behind the Courthouse from the existing service from the pad mounted transformers to be installed to the northwest corner of the Storage Building mounting the circuit breaker panel inside the building on the wall on the north side in the northwest corner.
2. Install exterior LED lights over the walk-through door and over the each of the overhead doors.
3. Install interior LED lighting (as well as their equivalent) in each of the storage rooms as per the American Electric attached drawing. Please bid for both interior LED lighting and interior incandescent lighting.
4. Install at least one 110v electric outlet in each room near the switch.
5. All storage units will have motion activated switches with the ability to turn off after a period not to exceed 5 minutes.
6. All wiring and installations will meet current City of Goodland Electric Code.

31-Fixtures for Office  
6-High bay fixtures out in lounge

8-Fixtures for lounge office area



Drawn By: TM  
Checked By:  
Date: 11/22/2017  
Scale: NONE


#	Date

**AES LIGHTING GROUP**  
OMAHA • DES MOINES • CEDAR RAPIDS • DUBUQUE  
Omaha: 608.1 Street, Omaha, NE 68102 • 402.336.8151 • Fax: 402.336.8199  
Des Moines: 6160 15th Street, Johnston, IA 50131 • 515.721.1233 • Fax: 515.721.1731

Luminaire Schedule						
Symbol	Qty	Label	Arrangement	Total Lamp Lumens	LLF	Description
	6	HBLD	SINGLE	N.A.	0.900	HBLD-LD5-18SE-W-UNV-L840-ED2-U
	31	24CZ	SINGLE	N.A.	0.900	24CZ-LD5-60SE-UNV-L840-CD1-U-SK24-WS

Calculation Summary										
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min			
OPEN AREA_Workplane	Illuminance	Fc	41.20	58.4	27.9	1.48	2.09			
ROOM 1_Workplane	Illuminance	Fc	42.20	48.1	35.5	1.19	1.35			
ROOM 10_Workplane	Illuminance	Fc	41.86	47.6	36.3	1.15	1.31			
ROOM 11_Workplane	Illuminance	Fc	41.91	46.2	37.7	1.11	1.23			
ROOM 12_Workplane	Illuminance	Fc	41.94	44.7	39.1	1.07	1.14			
ROOM 13_Workplane	Illuminance	Fc	41.85	47.6	36.2	1.16	1.31			
ROOM 2_Workplane	Illuminance	Fc	42.18	49.6	34.3	1.23	1.45			
ROOM 3_Workplane	Illuminance	Fc	42.23	46.5	36.7	1.15	1.27			
ROOM 4_Workplane	Illuminance	Fc	42.21	48.1	35.5	1.19	1.35			
ROOM 5_Workplane	Illuminance	Fc	42.19	49.6	34.3	1.23	1.45			
ROOM 6_Workplane	Illuminance	Fc	42.13	51.1	33.1	1.27	1.54			
ROOM 7_Workplane	Illuminance	Fc	40.11	61.9	23.1	1.74	2.68			
ROOM 8_Workplane	Illuminance	Fc	41.78	44.6	38.7	1.08	1.15			
ROOM 9_Workplane	Illuminance	Fc	41.26	78.9	15.4	2.68	5.12			

NOTES: 24CZ FIXTURES SURFACE MOUNTED @ 8' A.F.F.  
HBLD FIXTURES SUSPENDED TO 15' A.F.F.  
5'x5' CALC GRID @ 2'-6" A.F.F. IN ALL ROOMS.

GOODLAND INTERIOR PROPOSAL 1	Drawn By: TM	
	Checked By:	
	Date: 11/2/2017	
	Scale: NONE	