

Addendum No. 02

Project: Lewis County
Jail – COVID Cells (Jail Isolation Cell Project)
28 SW Chehalis Ave, Chehalis, WA 98532

KMB Job No.: J2037A

Issue Date: September 28, 2020

Bid Date: October 15, 2020 at 3:00 PM

To: All Plan Holders

From: Michelle Ha, RA – Project Manager

The following modifications to the Project Manual, Specifications and/or Drawings are to be incorporated into bid proposals that may be offered, and the subsequent construction. Bidders shall assess and include the full impact of the revision(s) on any and all related systems and work. Receipt and incorporation of this Addendum in the bid proposal shall be indicated on the Bid Form in the space provided.

Drawings:

Item Description

1. **SHEET M0.3**
 - A. MECHANICAL SCHEDULES
 - 1) **Revise** "HEAT PUMP SCHEDULE – PACKAGED TYPE" to read as follows:
 - VOLTS/PH: 480V/3PH
 - MCA: 37A
 - MOCP: 40A
 - REMARKS: POWER EXHAUST: 1 HP, 460V/3PH, 2.8 FLA, 3.5 MCA, 6.3 MOCP, W/ 10 AMP INTERNAL FUSE
2. **SHEET E-003**
 - A. **Revise** Mechanical Equipment Schedule as shown on attached sheet E-003.
3. **SHEET E-303**
 - A. **Revise** location of RTU-1, EF-1 and receptacle as shown on attached sheet E-303.
 - B. **Revise** circuit call out for EF-1 as shown on attached sheet E-303.
 - C. **Add** connection and motor starter for the Power Exhaust unit as shown on attached sheet E-303.
 - D. **Add** homerun for circuit H2-8,10,12, for the Power Exhaust unit as shown on attached sheet E-303.
4. **SHEET E-1001**
 - A. **Revise** load for RTU-1 as shown in panel schedule 'H2' as shown on attached sheet E-1001.
 - B. **Revise** Panel 'H2' to show connect to existing 15A/3P circuit breaker for the Power Exhaust unit.
 - C. **Revise** (N) Load Calculations as shown on attached sheet E-1001.
5. **SHEET E-1002**
 - A. **Revise** circuit information for EF-1 as shown in panel schedule 'LN2' as shown on attached sheet E-1002.
 - B. **Add** new 20A/3P circuit breaker in Panel 'LN2' to feed EF-1 and add note 2 as shown on attached sheet E-1002.

END OF ADDENDUM NO. 02

This Addendum is being distributed to all listed plan holders. Recipients are responsible for dissemination of this information to all affected sub-bidders, suppliers, etc.

Enclosures:

Electrical Addendum #2

4 Pages

LIGHT FIXTURE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER	MODEL SERIES	LIGHT SOURCE	COLOR TEMP	DELIVERED LUMENS	INPUT WATTS	FINISH	REMARKS
(E) AV1	2' X 4' RECESSED FLUORESCENT TROFFER	-	-	-	-	-	93	-	1
(E) FC	1' X 4' RECESSED FLUORESCENT TROFFER	-	-	-	-	-	62	-	1
F1	1' X 4' RECESSED FLANGE/CROSS CHANNEL MOUNTED LUMINAIRE WITH 14-GA CRS HOUSING AND SYMMETRIC, 0.125 PRISMATIC ACRYLIC INNER LENS AND .187" CLEAR POLYCARBONATE OUTER LENS. WITH TORX HEAD WITH CENTER PIN FASTENER, AND DIMMING CONSTANT CURRRANT DRIVER.	EATON FAIL-SAFE	FMR LED SERIES	LED	4000	4980	73	WHITE	
F2	1' X 4' RECESSED FLANGE/CROSS CHANNEL MOUNTED LUMINAIRE WITH 14-GA CRS HOUSING AND SYMMETRIC, 0.125 PRISMATIC ACRYLIC INNER LENS AND .187" CLEAR POLYCARBONATE OUTER LENS. WITH TORX HEAD WITH CENTER PIN FASTENER, AND DIMMING CONSTANT CURRRANT DRIVER.	EATON FAIL-SAFE	FMR LED SERIES	LED	4000	3166	47	WHITE	
F3	2' X 2' RECESSED FLANGE/CROSS CHANNEL MOUNTED LUMINAIRE WITH 14-GA CRS HOUSING AND SYMMETRIC, 0.125 PRISMATIC ACRYLIC INNER LENS AND .187" CLEAR POLYCARBONATE OUTER LENS. WITH TORX HEAD WITH CENTER PIN FASTENER, AND DIMMING CONSTANT CURRRANT DRIVER.	EATON FAIL-SAFE	FMR LED SERIES	LED	4000	3620	52	WHITE	

REMARKS
 1. LIGHT FIXTURE LISTED IS AN EXISTING LIGHT FIXTURE. SEE SHEETS ED2.01 AND E2.01 FOR DEMOLITION OR RELOCATION OF LIGHT FIXTURE. NO NEW LIGHT FIXTURES OF THIS TYPE ARE TO BE PROVIDED.

MECHANICAL EQUIPMENT SCHEDULE

EQUIPMENT TAG	VOLTAGE	PHASE	HP	KW	FLA	MCA	MOCP	SCCR	BRANCH CIRCUIT				DISCONNECT		NOTES	
									RACEWAY	PHASE	N	G	SIZE	FUSE		
FAN SCHEDULE																
EF-1	208	3	1	-	4.6	-	-	6,145	3/4"	#12	#12	#12	-	-	2,3	
POWER EXHAUST	480	3	1	-	2.8	-	-	19,021	3/4"	#12	-	#12	-	-	3,4	
HVAC UNIT																
RTU-1	480	3	-	-	-	37	40	19,021	3/4"	#8	-	#10	60A	40A	1,3	

NOTES
 1. PROVIDE FUSED DISCONNECT SWITCH.
 2. PROVIDE MOTOR RATED TOGGLE SWITCH WITH THERMAL OVERLOADS.
 3. PROVIDE NEMA-3R ENCLOSURE FOR STARTERS/DISCONNECTS.
 4. PROVIDE THREE PHASE STARTER WITH INTEGRAL OVERLOAD PROTECTION AND LOCKABLE DISCONNECT.

LEWIS COUNTY JAIL - COVID CELLS
LEWIS COUNTY FACILITIES DEPARTMENT
 28 SW Chehalis Ave, Chehalis WA 98532

ORIGINAL SHEET SIZE - 24 x 36
 HALF SIZE REDUCTIONS - 11 x 17

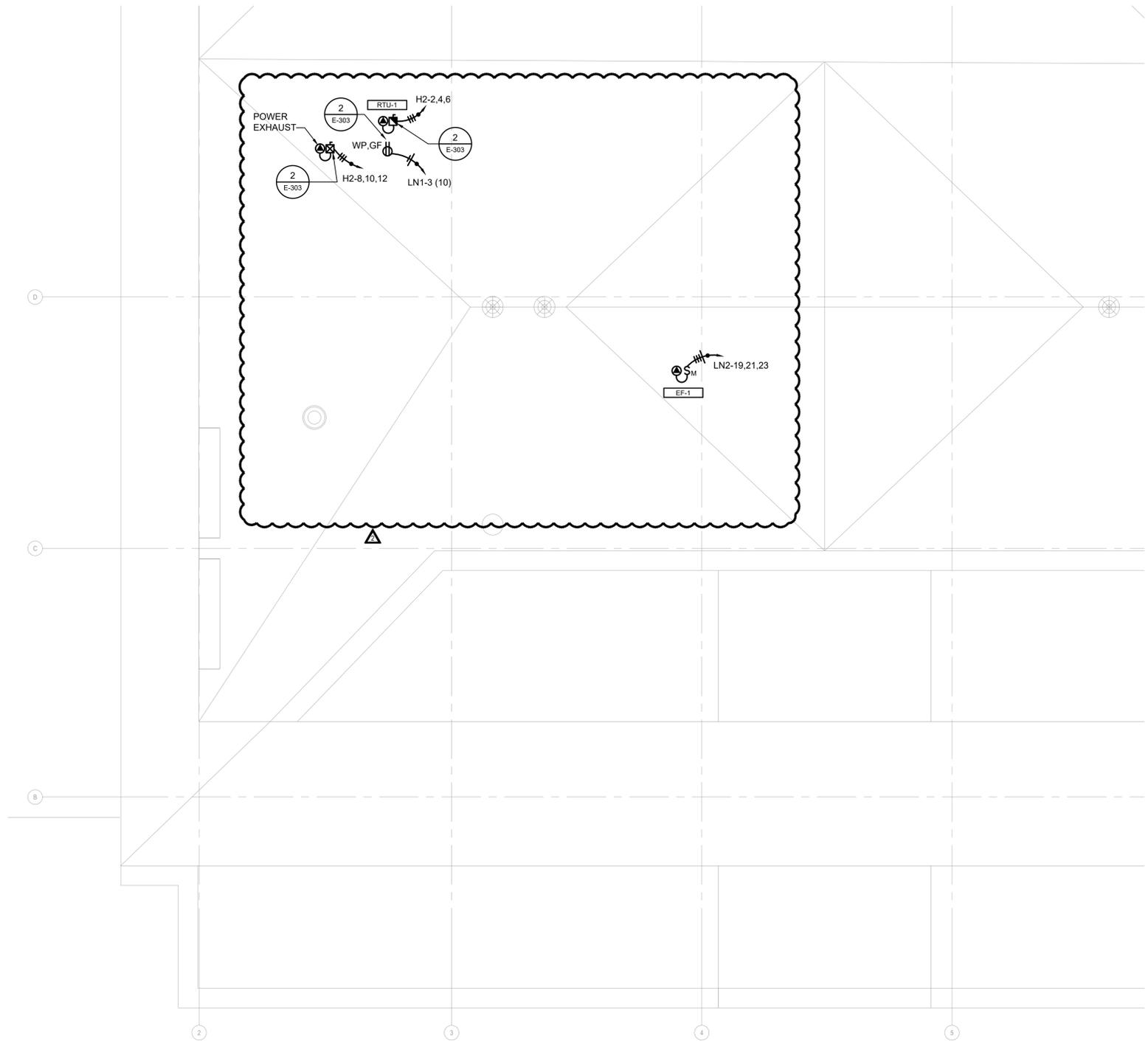
REVISIONS:
 ADDENDUM #02 9-28-2020

DATE:
 08-07-2020

BID SET

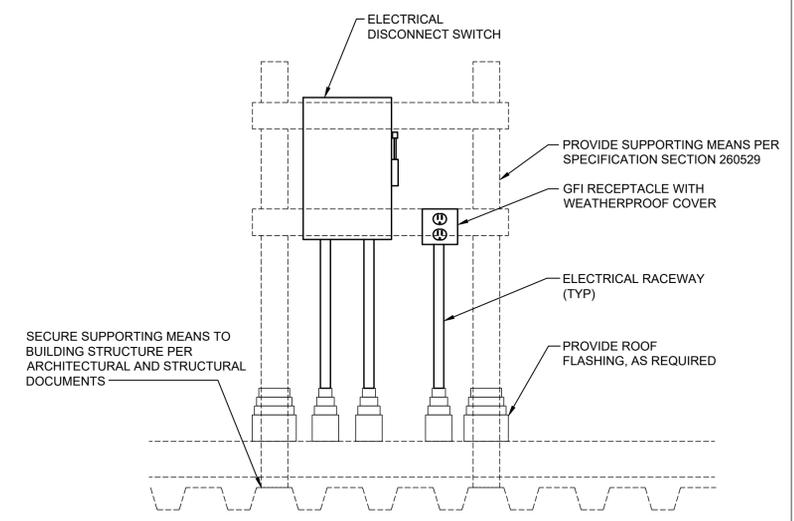
SHEET NO.
E-003

ELECTRICAL SCHEDULES



SHEET NOTES:

1. WHERE RECEPTACLE IS INDICATED AS "GB" AND PROTECTED BY GFI TYPE BRANCH CIRCUIT BREAKER, PROVIDE LABELING PER SPECIFICATION SECTION 262726. REFER TO PANEL SCHEDULES FOR ADDITIONAL INFORMATION.
2. REFER TO SPECIFICATION SECTION 262726 AND ELECTRICAL DETAILS FOR DEVICE FACEPLATE LABELING.
3. NORMAL RECEPTACLES THAT ARE FEED ON THE SAME CIRCUIT AS GFCI RECEPTACLES SHALL BE CIRCUITED SO THEY ARE UPSTREAM OF THE GFCI RECEPTACLES.



2 E-303 **DETAIL - ROOFTOP MOUNTED DISCONNECT SWITCH**
SCALE: NONE

1 E-303 **POWER ROOF PLAN**
SCALE: 1/4" = 1'-0"

PANEL SCHEDULE : 08/04/2020		(E) PANEL 'H2 BEFORE'				PROJECT: Lewis County Jail Covid Cells				
CLASSIFICATION: NORMAL		VOLTAGE: 480Y/277V 3Ø, 4-WIRE		SECTION: 1 OF 1		FED FROM: (E) MAIN SWITCHBOARD 'MAIN'		MAINS: 400A MAIN LUGS ONLY		
MOUNTING: SURFACE		NEUTRAL: 100% RATED								
NOTE	ITEM DESCRIPTION	CKT NO.	BREAKER	LOAD (VA)	Ø	LOAD (VA)	BREAKER	CKT NO.	ITEM DESCRIPTION	NOTE
	SPARE	1	15	3	A	15	3	2	SPARE	
		3	-	-	B	-	-	4		
	ELEVATOR	7	125	3	26573	A	15	3	8	SPARE
		9	-	-	26573	B	-	-	10	
		11	-	-	26573	C	-	-	12	
	SPARE	13	15	3	A	15	3	14	SPARE	
		15	-	-	B	-	-	16		
		17	-	-	C	-	-	18		
	SPARE	19	15	3	A	15	3	20	SPARE	
		21	-	-	B	-	-	22		
		23	-	-	C	-	-	24		
	SPARE	25	15	3	A	15	3	26	SPARE	
		27	-	-	B	-	-	28		
		29	-	-	C	-	-	30		
	SPARE	31	15	3	A	2105	20	3	32	B-PUMP 2.2
		33	-	-	B	2105	-	-	34	
		35	-	-	C	2105	-	-	36	
	EF-3	37	15	3	A	2105	20	3	38	B-PUMP 2.1
		39	-	-	B	2105	-	-	40	
		41	-	-	C	2105	-	-	42	
LOAD CALCULATIONS		CONN. (VA)	DEMAND FACTOR	CALC. (VA)		LOAD SUMMARY				
MISCELLANEOUS CONTINUOUS EQUIPMENT & MISCELLANEOUS LIGHTING		-	125%	-		TOTAL CONNECTED LOAD				
LARGEST MOTOR		79719	125%	99649		PHASE A: 31,088 VA 112 A				
MOTORS		13545	100%	13545		PHASE B: 31,088 VA 112 A				
RECEPTACLE		-	100%	-		PHASE C: 31,088 VA 112 A				
RECEPTACLES OVER 10KVA		-	50%	-		TOTAL CALCULATED LOAD: 113,194 VA				
TOTALS:		93,264		113,194		TOTAL CALCULATED AMPS: 136 A				
NOTES:		HARGIS ENGINEERS, INC. 1201 THIRD AVENUE, SUITE 600 SEATTLE, WA 98101 PH: (206) 448-3376 FAX: (206) 448-4450								

PANEL SCHEDULE : 08/04/2020		(E) PANEL 'LN1-3 BEFORE'				PROJECT: Lewis County Jail Covid Cells					
CLASSIFICATION: NORMAL		VOLTAGE: 208Y/120V 3Ø, 4-WIRE		SECTION: 1 OF 1		FED FROM: (E) PANEL 'LN1-1'		MAINS: 100A MAIN LUGS ONLY			
MOUNTING: SURFACE		NEUTRAL: 100% RATED									
NOTE	ITEM DESCRIPTION	CKT NO.	BREAKER	LOAD (VA)	Ø	LOAD (VA)	BREAKER	CKT NO.	ITEM DESCRIPTION	NOTE	
	MENS LOCKERS R226	1	20	1	180	A	360	20	1	2	OFFICE R26
	FEMALE LOCKERS R230, 231	3	20	1	180	B	360	20	1	4	OFFICE R27
	FEMALE LOCKERS R230, 231	5	20	1	360	C	912	20	1	6	L-LOCKER AREA 2ND FLOOR
	MENS LOCKERS R226	7	20	1	180	A	2047	20	1	8	L-1ST FLOOR BOOKING, CORR
	MENS LOCKERS R226	9	20	1	720	B	20	1	10	SPARE	
	BOOKING	11	20	1	540	C	20	1	12	SPARE	
	BOOKING	13	20	1	540	A	20	1	14	SPARE	
	STAFF TOILET R16 DRYER	15	20	1	1800	B	20	1	16	SPARE	
	BAIL COUNTER	17	20	1	-	C	20	1	18	SPARE	
	BAIL COUNTER	19	20	1	-	A	20	1	20	SPARE	
	BAIL COUNTER	21	20	1	-	B	20	1	22	SPARE	
	STORAGE CHASE	23	20	1	-	C	20	1	24	SPARE	
	SPARE	25	20	1	-	A	20	1	26	SPARE	
	SPARE	27	20	1	-	B	20	1	28	SPARE	
	SPARE	29	20	1	-	C	20	1	30	SPARE	
	SPARE	31	20	1	-	A	20	1	32	SPARE	
	SPARE	33	20	1	-	B	20	1	34	SPARE	
	SPARE	35	20	1	-	C	20	1	36	SPARE	
	SPARE	37	20	1	-	A	20	1	38	SPARE	
	SPARE	39	20	1	-	B	20	1	40	SPARE	
	SPARE	41	20	1	-	C	20	1	42	SPARE	
LOAD CALCULATIONS		CONN. (VA)	DEMAND FACTOR	CALC. (VA)		LOAD SUMMARY					
MISCELLANEOUS CONTINUOUS EQUIPMENT & MISCELLANEOUS LIGHTING		1800	100%	1800		TOTAL CONNECTED LOAD					
LARGEST MOTOR		2959	125%	3699		PHASE A: 3,307 VA 28 A					
MOTORS		-	100%	-		PHASE B: 3,060 VA 26 A					
RECEPTACLE		3420	100%	3420		PHASE C: 1,812 VA 15 A					
RECEPTACLES OVER 10KVA		-	50%	-		TOTAL CALCULATED LOAD: 8,919 VA					
TOTALS:		8,179		8,919		TOTAL CALCULATED AMPS: 25 A					
NOTES:		HARGIS ENGINEERS, INC. 1201 THIRD AVENUE, SUITE 600 SEATTLE, WA 98101 PH: (206) 448-3376 FAX: (206) 448-4450									

PANEL SCHEDULE : 09/28/2020		(E) PANEL 'H2 AFTER'				PROJECT: Lewis County Jail Covid Cells				
CLASSIFICATION: NORMAL		VOLTAGE: 480Y/277V 3Ø, 4-WIRE		SECTION: 1 OF 1		FED FROM: (E) MAIN SWITCHBOARD 'MAIN'		MAINS: 400A MAIN LUGS ONLY		
MOUNTING: SURFACE		NEUTRAL: 100% RATED								
NOTE	ITEM DESCRIPTION	CKT NO.	BREAKER	LOAD (VA)	Ø	LOAD (VA)	BREAKER	CKT NO.	ITEM DESCRIPTION	NOTE
	SPARE	1	15	3	A	15	3	2	SPARE	
		3	-	-	B	-	-	4		
	ELEVATOR	7	125	3	26573	A	15	3	8	SPARE
		9	-	-	26573	B	-	-	10	
		11	-	-	26573	C	-	-	12	
	SPARE	13	15	3	A	15	3	14	SPARE	
		15	-	-	B	-	-	16		
		17	-	-	C	-	-	18		
	SPARE	19	15	3	A	15	3	20	SPARE	
		21	-	-	B	-	-	22		
		23	-	-	C	-	-	24		
	SPARE	25	15	3	A	15	3	26	SPARE	
		27	-	-	B	-	-	28		
		29	-	-	C	-	-	30		
	SPARE	31	15	3	A	2105	20	3	32	B-PUMP 2.2
		33	-	-	B	2105	-	-	34	
		35	-	-	C	2105	-	-	36	
	EF-3	37	15	3	A	2105	20	3	38	B-PUMP 2.1
		39	-	-	B	2105	-	-	40	
		41	-	-	C	2105	-	-	42	
LOAD CALCULATIONS		CONN. (VA)	DEMAND FACTOR	CALC. (VA)		LOAD SUMMARY				
MISCELLANEOUS CONTINUOUS EQUIPMENT & MISCELLANEOUS LIGHTING		-	125%	-		TOTAL CONNECTED LOAD				
LARGEST MOTOR		79719	125%	99649		PHASE A: 31,088 VA 112 A				
MOTORS		15870	100%	15870		PHASE B: 40,056 VA 145 A				
RECEPTACLE		-	100%	-		PHASE C: 40,056 VA 145 A				
RECEPTACLES OVER 10KVA		24579	50%	12289		TOTAL CALCULATED LOAD: 140,098 VA				
TOTALS:		120,168		140,098		TOTAL CALCULATED AMPS: 169 A				
NOTES:		HARGIS ENGINEERS, INC. 1201 THIRD AVENUE, SUITE 600 SEATTLE, WA 98101 PH: (206) 448-3376 FAX: (206) 448-4450								

PANEL SCHEDULE : 08/06/2020		(E) PANEL 'LN1-3 AFTER'				PROJECT: Lewis County Jail Covid Cells					
CLASSIFICATION: NORMAL		VOLTAGE: 208Y/120V 3Ø, 4-WIRE		SECTION: 1 OF 1		FED FROM: (E) PANEL 'LN1-1'		MAINS: 100A MAIN LUGS ONLY			
MOUNTING: SURFACE		NEUTRAL: 100% RATED									
NOTE	ITEM DESCRIPTION	CKT NO.	BREAKER	LOAD (VA)	Ø	LOAD (VA)	BREAKER	CKT NO.	ITEM DESCRIPTION	NOTE	
	MENS LOCKERS R226	1	20	1	180	A	360	20	1	2	OFFICE R26
	FEMALE LOCKERS R230, 231	3	20	1	180	B	360	20	1	4	OFFICE R27
	FEMALE LOCKERS R230, 231	5	20	1	360	C	912	20	1	6	L-LOCKER AREA 2ND FLOOR
	MENS LOCKERS R226	7	20	1	180	A	1820	20	1	8	L-1ST FLOOR BOOKING, CORR
	MENS LOCKERS R226	9	20	1	720	B	180	20	1	10	ROOF RECEPT.
	BOOKING	11	20	1	540	C	20	1	12	SPARE	
	BOOKING	13	20	1	540	A	20	1	14	SPARE	
	STAFF TOILET R16 DRYER	15	20	1	1800	B	20	1	16	SPARE	
	BAIL COUNTER	17	20	1	-	C	20	1	18	SPARE	
	BAIL COUNTER	19	20	1	-	A	20	1	20	SPARE	
	BAIL COUNTER	21	20	1	-	B	20	1	22	SPARE	
	STORAGE CHASE	23	20	1	-	C	20	1	24	SPARE	
	SPARE	25	20	1	-	A	20	1	26	SPARE	
	SPARE	27	20	1	-	B	20	1	28	SPARE	
	SPARE	29	20	1	-	C	20	1	30	SPARE	
	SPARE	31	20	1	-	A	20	1	32	SPARE	
	SPARE	33	20	1	-	B	20	1	34	SPARE	
	SPARE	35	20	1	-	C	20	1	36	SPARE	
	SPARE	37	20	1	-	A	20	1	38	SPARE	
	SPARE	39	20	1	-	B	20	1	40	SPARE	
	SPARE	41	20	1	-	C	20	1	42	SPARE	
LOAD CALCULATIONS		CONN. (VA)	DEMAND FACTOR	CALC. (VA)		LOAD SUMMARY					
MISCELLANEOUS CONTINUOUS EQUIPMENT & MISCELLANEOUS LIGHTING		1800	100%	1800		TOTAL CONNECTED LOAD					
LARGEST MOTOR		2732	125%	3415		PHASE A: 3,080 VA 26 A					
MOTORS		-	100%	-		PHASE B: 3,240 VA 27 A					
RECEPTACLE		3600	100%	3600		PHASE C: 1,812 VA 15 A					
RECEPTACLES OVER 10KVA		-	50%	-		TOTAL CALCULATED LOAD: 8,815 VA					
TOTALS:		8,132		8,815		TOTAL CALCULATED AMPS: 24 A					
NOTES:		HARGIS ENGINEERS, INC. 1201 THIRD AVENUE, SUITE 600 SEATTLE, WA 98101 PH: (206) 448-3376 FAX: (206) 448-4450									

(E) LOAD CALCULATIONS

LLX - 400A - 120/208V	AMPS	KVA
PANEL LX2	33.2A	11.95
PANEL LX2	32.6A	11.73
PANEL LX1	32.7A	11.77
PANEL LX1	62.1A	22.36
TOTAL	160.6A	57.81
EMERG. DIST. BD. - 400A - 277/480V		
	AMPS	KVA
DIST. BD. LLX	69.6A	57.81
TOTAL	69.6A	57.81
DIST. BD. L - 1200A - 120/208V		
	AMPS	KVA
PANEL LN1-1	172.8A	62.21
PANEL LN1-2	44.1A	15.88
PANEL LN1-3	24.8A	8.92
PANEL LN2	39.5A	14.23
PANEL LN3	117.7A	42.37
TOTAL	398.9A	143.61
MAIN SERVICE DIST. BD - 1200A - 277/480V		
	AMPS	KVA
EMERG DIST. BD.	69.6A	57.81
MCC	22.2A	18.45
H2	136.3A	113.19
DIST. BD. L	172.9A	143.61
LXMA	34.1A	28.34
TOTAL	435.1A	361.40

PANEL SCHEDULE : 08/04/2020										
(E) PANEL 'LN2 BEFORE'					PROJECT: Lewis County Jail Covid Cells					
CLASSIFICATION: NORMAL			VOLTAGE: 208Y/120V 3Ø, 4-WIRE		SECTION: 1 OF 1					
FED FROM: (E) DIST. PANEL 'L'			MAINS: 100A MAIN LUGS ONLY							
MOUNTING: SURFACE			NEUTRAL: 100% RATED							
NOTE	ITEM DESCRIPTION	CKT NO.	BREAKER AMPS POLE	LOAD (VA)	Ø	LOAD (VA)	BREAKER AMPS POLE	CKT NO.	ITEM DESCRIPTION	
	WATER HEATER	1	20 1	1000	A	15	1	2	SPARE	
	B-KIOSK	3	15 1	500	B	20	1	4	SPARE	
	SPARE	5	15 1		C	20	1	6	SPARE	
	CIRC PUMP A-4, A-5	7	15 1	1392	A	600	20	1	8	AIR HEAT EXCHANGER
	CIRC PUMP BOILER	9	20 1	1656	B	500	20	1	10	HEAT TAPE
	SPARE	11	20 1		C	1271	20	3	12	VEH SALLY DOOR
	SPARE	13	30 3		A	1271	-	-	14	-
	SPARE	15	- -		B	1271	-	-	16	-
	SPARE	17	- -		C	1271	20	3	18	VEH SALLY DOOR
	SPARE	19	20 1		A	1271	-	-	20	-
	SPARE	21	20 1		B	1271	-	-	22	-
	SPARE	23	20 1		C	20	1	24	SPARE	
	SPARE	25	20 1		A	20	1	26	SPARE	
	SPARE	27	15 1		B	20	1	28	SPARE	
	SPARE	29	15 1		C	20	1	30	SPARE	

LOAD CALCULATIONS				LOAD SUMMARY	
LOAD DESCRIPTION	CONN. (VA)	DEMAND FACTOR	CALC. (VA)	TOTAL CONNECTED LOAD	AMPS
MISCELLANEOUS CONTINUOUS EQUIPMENT & MISCELLANEOUS:	2600	125%	-	2600	
LIGHTING:	-	125%	-		
LARGEST MOTOR:	3613	125%	4766	4766	
MOTORS:	6861	100%	6861	6861	
RECEPTACLE:	-	100%	-		
RECEPTACLES OVER 10KVA:	-	50%	-		
TOTALS:	13,274		14,227	14,227 VA	40 A

NOTES:		HARGIS ENGINEERS, INC.	
1.		1201 THIRD AVENUE, SUITE 600	
2.		SEATTLE, WA 98101	
3.		PH. (206) 448-3376	
4.		FAX. (206) 448-4450	
5.			

PANEL SCHEDULE : 09/25/2020										
(E) PANEL 'LN2 AFTER'					PROJECT: Lewis County Jail Covid Cells					
CLASSIFICATION: NORMAL			VOLTAGE: 208Y/120V 3Ø, 4-WIRE		SECTION: 1 OF 1					
FED FROM: (E) DIST. PANEL 'L'			MAINS: 100A MAIN LUGS ONLY							
MOUNTING: SURFACE			NEUTRAL: 100% RATED							
	WATER HEATER	1	20 1	1000	A	15	1	2	SPARE	
	B-KIOSK	3	15 1	500	B	20	1	4	SPARE	
	SPARE	5	15 1		C	20	1	6	SPARE	
	CIRC PUMP A-4, A-5	7	15 1	1392	A	600	20	1	8	AIR HEAT EXCHANGER
	CIRC PUMP BOILER	9	20 1	1656	B	500	20	1	10	HEAT TAPE
	SPARE	11	20 1		C	1271	20	3	12	VEH SALLY DOOR
	SPARE	13	30 3		A	1271	-	-	14	-
	SPARE	15	- -		B	1271	-	-	16	-
	SPARE	17	- -		C	1271	20	3	18	VEH SALLY DOOR
	SPARE	19	20 1		A	1271	-	-	20	-
	SPARE	21	20 1		B	1271	-	-	22	-
	SPARE	23	20 1		C	20	1	24	SPARE	
	SPARE	25	20 1		A	20	1	26	SPARE	
	SPARE	27	15 1		B	20	1	28	SPARE	
	SPARE	29	15 1		C	20	1	30	SPARE	

LOAD CALCULATIONS				LOAD SUMMARY	
LOAD DESCRIPTION	CONN. (VA)	DEMAND FACTOR	CALC. (VA)	TOTAL CONNECTED LOAD	AMPS
MISCELLANEOUS CONTINUOUS EQUIPMENT & MISCELLANEOUS:	2600	125%	-	2600	
LIGHTING:	-	125%	-		
LARGEST MOTOR:	3613	125%	4766	4766	
MOTORS:	8517	100%	8517	8517	
RECEPTACLE:	-	100%	-		
RECEPTACLES OVER 10KVA:	-	50%	-		
TOTALS:	14,930		15,883	15,883 VA	44 A

NOTES:		HARGIS ENGINEERS, INC.	
1.		1201 THIRD AVENUE, SUITE 600	
2.		SEATTLE, WA 98101	
3.		PH. (206) 448-3376	
4.		FAX. (206) 448-4450	
5.			

PANEL SCHEDULE : 08/04/2020										
(E) PANEL 'LX1 BEFORE'					PROJECT: Lewis County Jail Covid Cells					
CLASSIFICATION: NORMAL			VOLTAGE: 208Y/120V 3Ø, 4-WIRE		SECTION: 1 OF 1					
FED FROM: (E) DIST. PANEL 'LLX'			MAINS: 100A MAIN LUGS ONLY							
MOUNTING: SURFACE			NEUTRAL: 100% RATED							
	SPARE	1	20 1		A	1000	20	1	2	LIGHTING
	EXISTING LGT CONTROL CABINET	3	20 1	180	B	200	20	1	4	EXIT LIGHTING
	LIGHTING	5	20 1	1500	C	20	1	6	SPARE	
	LIGHTING	7	20 1	1100	A	1000	20	1	8	ELEV CONTROL
	EXIT LIGHTING	9	20 1	100	B	800	20	1	10	SPRINKLER VALVES
	OIL PUMPS	11	20 1	860	C	1350	20	1	12	1ST FLOOR HALL LIGHTING
	OIL PUMPS	13	20 1	860	A	900	20	1	14	GEN RM LIGHTS
	ALLEY LIGHTING	15	20 1	390	B	1400	20	1	16	2ND FLOOR MACH HALL LIGHTS
	LIGHTING GALLERY	17	20 1	300	C	200	20	1	18	BRIDGE LIGHTING
	2ND FLOOR DAMPERS	19	20 1		A	1000	20	1	20	BLOCK HEATER
	FA CONTROL PANEL	21	20 1	200	B	500	20	1	22	BATTERY CHARGER
	FA CONTROL PANEL	23	20 1	200	C	500	20	1	24	SPRINK COMP
	MOTOR DAMPER CONT GEN RM	25	20 1	400	A	480	20	1	26	RBI CELL LIGHTING
	GEN OIL PUMP	27	20 1	860	B	1873	20	1	28	BOOKING LIGHTING
	ELEV CAB LIGHTS	29	20 1	100	C	900	20	1	30	2NS FLOOR ELEC RM LIGHTING

LOAD CALCULATIONS				LOAD SUMMARY	
LOAD DESCRIPTION	CONN. (VA)	DEMAND FACTOR	CALC. (VA)	TOTAL CONNECTED LOAD	AMPS
MISCELLANEOUS CONTINUOUS EQUIPMENT & MISCELLANEOUS:	5460	100%	5460	5460	
LIGHTING:	11973	125%	14966	14966	
LARGEST MOTOR:	860	125%	1075	1075	
MOTORS:	860	100%	860	860	
RECEPTACLE:	-	100%	-		
RECEPTACLES OVER 10KVA:	-	50%	-		
TOTALS:	19,153		22,361	22,361 VA	62 A

NOTES:		HARGIS ENGINEERS, INC.	
1.		1201 THIRD AVENUE, SUITE 600	
2.		SEATTLE, WA 98101	
3.		PH. (206) 448-3376	
4.		FAX. (206) 448-4450	
5.			

PANEL SCHEDULE : 08/04/2020										
(E) PANEL 'LX1 AFTER'					PROJECT: Lewis County Jail Covid Cells					
CLASSIFICATION: NORMAL			VOLTAGE: 208Y/120V 3Ø, 4-WIRE		SECTION: 1 OF 1					
FED FROM: (E) DIST. PANEL 'LLX'			MAINS: 100A MAIN LUGS ONLY							
MOUNTING: SURFACE			NEUTRAL: 100% RATED							
	SPARE	1	20 1		A	1000	20	1	2	LIGHTING
	EXISTING LGT CONTROL CABINET	3	20 1	180	B	200	20	1	4	EXIT LIGHTING
	LIGHTING	5	20 1	1500	C	20	1	6	SPARE	
	LIGHTING	7	20 1	1100	A	1000	20	1	8	ELEV CONTROL
	EXIT LIGHTING	9	20 1	100	B	800	20	1	10	SPRINKLER VALVES
	OIL PUMPS	11	20 1	860	C	1350	20	1	12	1ST FLOOR HALL LIGHTING
	OIL PUMPS	13	20 1	860	A	900	20	1	14	GEN RM LIGHTS
	ALLEY LIGHTING	15	20 1	390	B	1400	20	1	16	2ND FLOOR MACH HALL LIGHTS
	LIGHTING GALLERY	17	20 1	300	C	200	20	1	18	BRIDGE LIGHTING
	2ND FLOOR DAMPERS	19	20 1		A	1000	20	1	20	BLOCK HEATER
	FA CONTROL PANEL	21	20 1	200	B	500	20	1	22	BATTERY CHARGER
	FA CONTROL PANEL	23	20 1	200	C	500	20	1	24	SPRINK COMP
	MOTOR DAMPER CONT GEN RM	25	20 1	400	A	480	20	1	26	RBI CELL LIGHTING
	GEN OIL PUMP	27	20 1	860	B	1900	20	1	28	BOOKING LIGHTING
	ELEV CAB LIGHTS	29	20 1	100	C	900	20	1	30	2NS FLOOR ELEC RM LIGHTING

LOAD CALCULATIONS				LOAD SUMMARY	
LOAD DESCRIPTION	CONN. (VA)	DEMAND FACTOR	CALC. (VA)	TOTAL CONNECTED LOAD	AMPS
MISCELLANEOUS CONTINUOUS EQUIPMENT & MISCELLANEOUS:	5460	100%	5460	5460	
LIGHTING:	12000	125%	15000	15000	
LARGEST MOTOR:	860	125%	1075	1075	
MOTORS:	860	100%	860	860	
RECEPTACLE:	-	100%	-		
RECEPTACLES OVER 10KVA:	-	50%	-		
TOTALS:	19,180		22,395	22,395 VA	62 A

NOTES:		HARGIS ENGINEERS, INC.	
1.		1201 THIRD AVENUE, SUITE 600	
2.		SEATTLE, WA 98101	
3.		PH. (206) 448-3376	
4.		FAX. (206) 448-4450	
5.			

LEWIS COUNTY JAIL - COVID CELLS
LEWIS COUNTY FACILITIES DEPARTMENT
28 SW Chehalis Ave, Chehalis WA 98532

ORIGINAL SHEET SIZE - 24 x 36
HALF SIZE REDUCTIONS - 11 x 17

REVISIONS:
ADDENDUM #02 9-28-2020

DATE:
08-07-2020

BID SET

SHEET NO.
E-1002

ELECTRICAL PANEL
SCHEDULES