PANEL				•			AMPS					
LOCATION			V	MΑ	IN LUGS	ONLY	125					
MAKE/MODEL SQDNO		IEMA 3R)		MA	IN SW		AMPS	DII	MENS	SIONS _		20"x39"x5 3/4"
LOAD NAME	CIR	LOAD WATTS	BRK AMP	P _O L _E	L(OAD/POI B	LE C		BRK AMP	LOAD WATTS	CIR NO.	LOAD NAME
RECEPTACLES	1	200	20	1	1700		_	2	20	1500	2	CU/17
SPARE	3					1500]	•	-	1500	4	-
SPARE	5		•				1500	2	20	1500	6	
PREPARED SPACE	7		·		3000		1	-	-	1500	8	-
	9					4500]	2	40	3000		CU/19
	11						4500	_	-	3000	12	
<u> </u>	13				4500		1	2	40	3000	-	CU/20
CU/16	15	1500	20	2		4500]	-	-	3000	16	-
-	17	1500	-	<u> </u>			1500					PREPARED SPACE
PREPARED SPACE	19						1				20	
	21]				22	
	23										24	
	25						1				26	
	27]				28	
_ '	29			L							30	
	31						1				32	
	33]				34	
	35										36	
	37						1				38	
	39]				40	
	41			lacksquare							42	
TOTAL LOAD/DUAG	_	W	ATTS	S	6200	9000	6000		_			10V
TOTAL LOAD/PHAS		ΙA	MPS	_	52	75	50					SKR. 10K AMPS.
FEEDER CONDUCTOR SI REMARKS: <u>CONNECT TO</u>	ZE:) 125 <i>P</i>	4-#1+ 3P BREAKE	GROU ER IN E	ND XIST	ING PANEL	-"H".		•	С	ONDUIT	SIZE	1 1/2"

■ MAIN BRKR. _____ AMPS ▼ FEED BOTTOM

1500

1500

1500

MAIN LUGS ONLY 125 FEED TOP

LOAD/POLE Po

1500

1500

1500

1500

1500

1700

3000

1500

1500

200 20

1500

1500

1500

1500

FEEDER CONDUCTOR SIZE: 4-#4 + GROUND
REMARKS: CONNECT TO SPARE 80A 3P BREAKER IN EXISTING PANEL-"H1".

1500

1500 20

1500 20 2

SURFACE

LOAD NAME

S.C. INT CAP/BKR. 10K AMPS

☐ FLUSH

MAKE/MODEL SQ D NQOD (NEMA 3R)

CLASS _____120/208V 3Ø 4W

LOAD NAME

LOCATION ___

RECEPTACLES

PREPARED SPACE

TOTAL LOAD/PHASE

SPARE

SPARE

	_		$\overline{}$	$\overline{}$								
PANEL	CU2	"	Д	MA	JN BRKF	₹	_ AMPS	V	FEI	ED BOTT	ОМ	SURFACE
CLASS120/208V 3Ø 4W	—						125					
LOCATION											20"x39"x5 3/4"	
MAKE/MODEL SQ D NQ		IEMA 3R)	<u>Ц</u>	IVIA	IN SVV		_ AMPS	ווט				
LOAD NAME	CIR NO.	LOAD WATTS	BRK AMP		A L(OAD/POL B	LE C		BRK AMP	LOAD WATTS	CIR NO.	LOAD NAME
RECEPTACLES	1	200	20	1		l		2	20	1500	2	CU/15
SPARE	3		\prod'	$\prod !$	i T	1500	<u> </u> !			1500	4	-
SPARE	5		\Box	\prod	l						6	PREPARED SPACE
CU/13	7	1500	20	2	1500	l					8	
	9	1500	[-]	-	i	1500	<u> </u> !				10	
CU/14	11	1500	20	2	I		1500				12	
-	13		-	1-1	1500	i					14	
PREPARED SPACE	15		\Box		i ——						16	
	17		\Box		l		`[18	
	19		\Box		1	İ					20	
	21		\Box		1		'				22	
	23		\Box	\square	1						24	
	25		\Box		1	ĺ					26	
	27				i		'				28	
•	29		\Box	\square	1		<u>'</u>				30	
	31				1 1	ĺ		abla			32	
	33			\square	i		1	H			34	
	35		\Box	\square	1		'[]	H			36	
	37		\Box			ĺ		Н			38	
	39		\Box	\square	i		1	П			40	
	41		abla		1		<u>'</u>	H			42	
		10/	/ATTS		4 700	3000	1500					
TOTAL LOAD/PHAS	Ε	1A	MPS	_	40	25	12	_	S.	C. INT CA	\P/B	BKR. <u>10K</u> AMPS.
FEEDER CONDUCTOR SIZ REMARKS:CONNECT TO					EXISTING	PANEL-"H4	 	•	C	ONDUIT	SIZE	

CLASS120/208V 3Ø 4V			lacksquare	•						ED BOTT ED TOP		
LOCATION SQD		EMA 3R)		MA	IN SW		AMPS	DII	MENS	SIONS _		20"x39"x5 3/4"
LOAD NAME	CIR NO.	LOAD WATTS	BRK AMP		A L	OAD/POL B	E C	PoLE	BRK AMP	LOAD WATTS	CIR NO.	LOAD NAME
RECEPTACLES	1	200	20	1	1700		•	2	20	1500	2	CU/4
SPARE	3					1500		-	-	1500	4	•
SPARE	5						1500	2	20	1500	6	CU/5
CU/1	7	1500	20	2	3000			-	-	1500	8	•
-	9	1500	-	-		3000		2	20	1500	10	CU/6
CU/2	11	1500	20	2		ì	3000	_	-	1500	12	-
-	13	1500	-	-	1500						14	PREPARED SPACE
CU/3	15	1500	20	2		1500					16	
•	17	1500	-	-		1	1500				18	
PREPARED SPACE	19										20	
	21										22	
	23					1					24	
	25										26	
	27										28	
	29					1					30	
	31							\vdash			32	
	33										34	
\longrightarrow	35										36	\sim
	39										38	
	41										40	
	41			<u> </u>	6200	6000	6000				42	
TOTAL LOAD/PHA	SE	W	ATTS	3	52		50	_	S.	C. INT CA	AP/E	BKR. 10K AMPS

G	ENERAL NOTES:	(ALL SHEETS)
A.	ELECTRICAL CONTRACTOR SHALL COORDINATE FIXTURE TYPE BEFORE ORDERING.	ALL LAMP TYPES WITH
B.	ELECTRICAL CONTRACTOR SHALL REFER TO THE	E MECHANICAL DRAWING

MECHANICAL DRAWINGS FOR EXACT LOCATION OF ALL MECHANICAL EQUIPMENT AND ELECTRICAL CONNECTIONS.

C. ELECTRICAL CONTRACTOR SHALL PROVIDE MINIMUM WORKING CLEARANCE AS PER NEC BEFORE INSTALLING ANY ELECTRICAL PANELS FOR CABINETS.

D. INSTALL ALL LIGHT FIXTURES IN MECHANICAL ROOM AFTER THE MECHANICAL EQUIPMENT IS IN PLACE, ADJUST AS NECESSARY. PROVIDE CHAIN SUSPENSION KITS AS REQUIRED.

E. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT FIXTURE LOCATIONS, CEILING TYPES, ETC.

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stem

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F. ALL FLUORESCENT FIXTURES SHALL BE SUPPLIED WITH T8 (35K) LAMPS AND ELECTRONIC BALLASTS WITH -20% THD. UNLESS INDICATED OTHERWISE.

G. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL CONCRETE PADS AS REQUIRED ON ALL ELECTRICAL EQUIPMENT.

H. CONFIRM EXACT LOCATIONS OF ALL TELEPHONE / DATA OUTLETS WITH

OWNER PRIOR TO ROUGH - IN. ELECTRICAL CONTRACTOR SHALL MOUNT SWITCHES AT 48" AND MOUNT

CONVENIENCE OUTLETS AT 18" OR AS SHOWN ON PLANS TO MEET HANDICAPPED REQUIREMENTS. J. LOCATE SWITCHES, OUTLETS, ETC., SHOWN AT ROOM ENTRY DOORWAYS, AS

CLOSE TO DOOR FRAME AS POSSIBLE, SO AS NOT TO INTERFERE WITH ROOM CABINETS, ETC.

K. SUPPORT ALL LIGHT FIXTURES INDEPENDENT OF CEILING.

ELECTRICAL CONTRACTOR SHALL OBTAIN ALL APPLICABLE PERMITS FOR THIS WORK AND PAY ASSOCIATED FEES.

M. MAINTAIN 24" MIN. CLEARANCE FROM ALL COMMUNICATIONS CABLES AND ELECTRONIC BALLASTS.

N. ALL BATTERY EXIT AND EMERGENCY LIGHTING TO BE CONNECTED TO THE UNSWITCHED LEG OF THE LIGHTING CIRCUIT IN THE AREA AS PER CODE.

O. UNLESS SPECIFICALLY INDICATED OTHERWISE, THE ELECTRICAL CONTRACTOR TO COORDINATE WITH ANY SPECIAL SYSTEMS SUPPLIER /CONTR., EX. DENTAL, MEDICAL, KITCHEN, EQUIPMENT ETC. THE EXACT ROUGH-IN REQUIREMENTS FOR THERE EQUIPMENT. ALSO UNLESS INDICATED OTHERWISE, THE ELECTRICAL CONTR. TO BE RESPONSIBLE FOR FINAL CONNECTIONS TO ALL SPECIAL EQUIPMENT.

P. ALL CONDUIT /RACEWAY /CABLES, TO BE CONCEALED IN WALLS OR ABOVE CEILINGS. IF ANY SURFACE WORK IS NECESSARY, IT SHALL BE APPROVED BY THE ARCHITECT /ENGINEER PRIOR TO DOING ANY WORK.

Q. E.C. SHALL VISIT THE SITE PRIOR TO BID AND THOROUGHLY INVESTIGATE THE EXISTING CONDITIONS, AS THEY RELATE TO THE SCOPE OF WORK DESCRIBED. MAKE NECESSARY PROVISIONS IN THE BASE BID TO ADEQUATELY ACCOMMODATE THESE CONDITIONS.

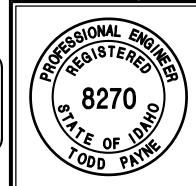
R. JUNCTION BOXES FOR LIGHTING CIRCUITING ARE NOT SHOWN FOR CLARITY. THE E.C. IS RESPONSIBLE FOR PROVIDING AND INSTALLING ALL JUNCTION BOXES REQUIRED FOR CIRCUITING OF ALL LIGHT FIXTURES THAT ARE NOT LISTED FOR "THROUGH-BRANCH CIRCUIT WIRING".

	CONDENSING UNIT SCHEDULE											
SYM.	CHAR.	MCA	CIRCUIT	FEEDER	REMARKS							
CU 1	208/60/1	16.6	CU3-7	1/2"C., 2-#12 + GROUND	PROVIDE AND INSTALL LOCAL DISCONNECT. INSTALL A 1/2" CONDUIT TO FURNACE FOR CONTROL.							
$\frac{CU}{2}$	208/60/1	16.6	CU3-11	1/2"C., 2-#12 + GROUND								
CU 3	208/60/1	16.6	CU3-15	1/2"C., 2-#12 + GROUND								
CU 4	208/60/1	16.6	CU3-2	1/2"C., 2-#12 + GROUND								
CU 5	208/60/1	16.6	CU3-6	1/2"C., 2-#12 + GROUND								
CU 6	208/60/1	16.6	CU3-10	1/2"C., 2-#12 + GROUND								
CU 7	208/60/1	16.6	CU4-7	1/2"C., 2-#12 + GROUND								
CU 8	208/60/1	28.8	CU4-11	1/2"C., 2-#12 + GROUND								
CU 9	208/60/1	16.6	CU4-15	1/2"C., 2-#12 + GROUND								
(CU) 10	208/60/1	16.6	CU4-19	1/2"C., 2-#12 + GROUND								
CU 11	208/60/1	16.6	CU4-2	1/2"C., 2-#12 + GROUND								
(CU) 12	208/60/1	16.6	CU4-6	1/2"C., 2-#12 + GROUND								
(CU) 13	208/60/1	16.6	CU2-7	1/2"C., 2-#12 + GROUND								
CU 14	208/60/1	16.6	CU2-11	1/2"C., 2-#12 + GROUND								
(CU) 15	208/60/1	16.6	CU2-2	1/2"C., 2-#12 + GROUND								
(CU) 16	208/60/1	16.6	CU1-15	1/2"C., 2-#12 + GROUND								
CU 17	208/60/1	16.6	CU1-2	1/2"C., 2-#12 + GROUND								
(CU) 18	208/60/1	16.6	CU1-6	1/2"C., 2-#12 + GROUND								
(CU) 19	208/60/1	28.8	CU1-10	3/4"C., 2-#8 + GROUND								
(CU) 20	208/60/1	28.8	CU1-14	3/4"C., 2-#8 + GROUND								

		FUR	NACE S	CHEDULE	(GAS)
SYM.	H.P.	CHAR.	CIRCUIT	FEEDER	REMARKS
$\frac{F}{1}$	1/3"	120/60/1	PANEL-"H4"	1/2"C., 2-#12 + GROUND	PROVIDE AND INSTALL LOCAL 20A SINGLE POLE TOGGLE SWITCH FOR DISCONNECT. CONNECT TO 20A 1P BREAKER.
$\left(\begin{array}{c} \overline{F} \\ \overline{2} \end{array}\right)$	1/3"	120/60/1	PANEL-"H4"	1/2"C., 2-#12 + GROUND	
$\frac{F}{3}$	1/3"	120/60/1	PANEL-"H4"	1/2"C., 2-#12 + GROUND	
$\frac{F}{4}$	1/3"	120/60/1	PANEL-"H4"	1/2"C., 2-#12 + GROUND	
$\frac{F}{5}$	1/3"	120/60/1	PANEL-"H4"	1/2"C., 2-#12 + GROUND	
$\binom{F}{6}$	1/3"	120/60/1	PANEL-"H4"	1/2"C., 2-#12 + GROUND	
$\frac{F}{7}$	1/3"	120/60/1	PANEL-"H1"	1/2"C., 2-#12 + GROUND	
F 8	1/3"	120/60/1	PANEL-"H1"	1/2"C., 2-#12 + GROUND	
F 9	1/3"	120/60/1	PANEL-"H1"	1/2"C., 2-#12 + GROUND	
F 10	1/3"	120/60/1	PANEL-"H1"	1/2"C., 2-#12 + GROUND	
$\frac{F}{11}$	1/3"	120/60/1	PANEL-"H2"	1/2"C., 2-#12 + GROUND	
F 12	1/3"	120/60/1	PANEL-"H2"	1/2"C., 2-#12 + GROUND	
F 13	1/3"	120/60/1	PANEL-"H1"	1/2"C., 2-#12 + GROUND	
F 14	1/3"	120/60/1	PANEL-"B"	1/2"C., 2-#12 + GROUND	
F 15	1/3"	120/60/1	PANEL-"B"	1/2"C., 2-#12 + GROUND	
F 16	1/3"	120/60/1	PANEL-"H"	1/2"C., 2-#12 + GROUND	
F 17	1/3"	120/60/1	PANEL-"H"	1/2"C., 2-#12 + GROUND	
F 18	1/3"	120/60/1	PANEL-"H"	1/2"C., 2-#12 + GROUND	
F 19	1/3"	120/60/1	PANEL-"H3"	1/2"C., 2-#12 + GROUND	
F 20	1/3"	120/60/1	PANEL-"H3"	1/2"C., 2-#12 + GROUND	
$\frac{F}{21}$	1/3"	120/60/1	PANEL-"H2"	1/2"C., 2-#12 + GROUND	

	DUCT FURNACE SCHEDULE (GAS)												
SYM.	CHAR.	MCA	CIRCUIT	FEEDER	REMARKS								
DF 1	120/60/1	-	PANEL-"H2"	1/2"C., 2-#12 + GROUND		TALL LOCAL 20A SINGLE POLE TOGGLE ONNECT. CONNECT TO 20A 1P BREAKER.							
DF 2	120/60/1	-	PANEL-"H2"	1/2"C., 2-#12 + GROUND									

ORIGINAL SIGNED BY: TODD E. PAYNE DATED ORIGINAL SIGNED: 5-10-2019 ON FILE AT: PAYNE ENGINEERING INC.



KERSHAW MIDDLE SCHOOL SUGAR CI

JOB NO.

SHEET: E-1

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P.E. JOB #1934 PAYNE
Engineering Inc.
Consulting

NOTES AND SCHEDULES

OF: NINE