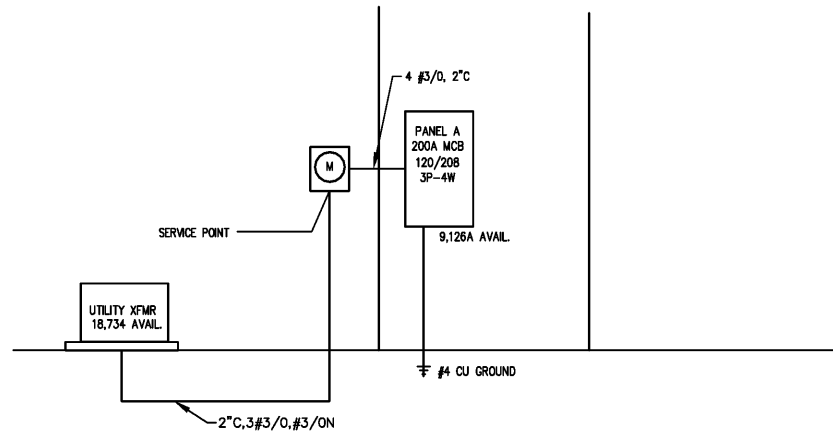


THE ARCHITECT/ENGINEER DOES NOT DEFINE THE SCOPE OF INDIVIDUAL TRADES, SUBCONTRACTORS, MATERIAL SUPPLIERS, OR VENDORS. ANY SHEET NUMBERING SYSTEM USED WHICH IDENTIFIES DISCIPLINES IS SOLELY TO SEPARATE ARCHITECT'S AND ENGINEER'S SCOPE. IT DOES NOT DEFINE A SUBCONTRACTOR'S SCOPE OF WORK. ANY DISCREPANCIES BETWEEN DRAWINGS, SPECIFICATIONS, CODES OR CONSTRUCTION SEQUENCING SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO PROCEEDING. NO CONSIDERATION WILL BE GIVEN TO REQUESTS FOR CHANGE ORDERS FOR FAILURE TO OBTAIN AND REVIEW THE COMPLETE SET OF CONSTRUCTION DOCUMENTS, OR FOR FAILURE TO SEEK INTERPRETATION FROM ARCHITECT FOR DISCREPANCIES.



1 NEW ELECTRICAL RISER DIAGRAMS  
E4.0 NO SCALE

\*EC SHALL COORDINATE NEW ELECTRIC SERVICE AND EXACT LOCATION OF TRANSFORMER WITH UTILITY.

EQUIPMENT SCHEDULE						
CALLOUT	SYMBOL	NEMA	VOLTS	AMPS	KVA	HP
AIR COMPRESSOR			208V 2P 2W	19.62	4.08	3 HP
DCU-1			208V 2P 2W	6.88	1.43	
DS-1			208V 2P 2W	0.22	0.05	
EF-1			120V 1P 2W	0.13	0.02	
EF-2			120V 1P 2W	0.13	0.02	
MONUMENT SIGN			120V 1P 2W	10	1.2	
UH-1			120V 1P 2W	12.5	1.5	
VF-1			120V 1P 2W	4.4	0.53	1/6 HP
VF-2			120V 1P 2W	0.51	0.05	
WH-1			120V 1P 2W	1.75	1.6	

PANELBOARD SCHEDULE												A		
VOLTAGE	PHASE	WIRE	MCB (A)	MLO (A)	AIC	MOUNTING	MANUFAC	MDL #	DWG NO	REMARKS				
120 / 208	3	4	200		22K					PROVIDE FEED THRU AND/OR SUB FEED LUGS FOR MULTI-SECTION PANELS				
TYPE LEGEND														
L	LIGHTING		K	KITCHEN EQ		PROVIDE EQUIPMENT GROUND BUS								
R	RECEPTACLES		E	EQUIPMENT		PROVIDE FEED THRU AND/OR SUB FEED LUGS FOR MULTI-SECTION PANELS								
M	MECH EQUIP		C	OTHER										
CKT #	ITEM SERVED	TYPE	WIRE	CONDUIT	CKT BRK	LOAD (VA)	PHASE	LOAD (VA)	CKT BRK	TRIP	CONDUIT	ITEM SERVED	CKT #	
1	Lighting	L	#12	3/4"	20A	682	A	360	1	20A	3/4"	#12 R	Receptacle	2
3	EF-1, EF-2, Lighting	L	#12	3/4"	20A	326	A	360	1	20A	3/4"	#12 R	Receptacle	4
5	Lighting	L	#12	3/4"	20A	452	A	360	1	20A	3/4"	#12 R	Receptacle	6
7	Lighting	L	#12	3/4"	20A	198	A	180	1	20A	3/4"	#12 R	Receptacle	8
9	Monument Sign	R	#12	3/4"	20A	200	B	720	1	20A	3/4"	#12 R	Receptacle	10
11	Lift	M	#10	3/4"	30A	1	C	360	1	20A	3/4"	#12 R	Receptacle	12
13	Lift	M	#12	3/4"	30A	2	A	360	1	20A	3/4"	#12 R	Receptacle	14
15	WH-1	M	#12	3/4"	15A	163	B	360	1	20A	3/4"	#12 R	Receptacle	16
17	Air Compressor	M	#12	3/4"	30A	2040	A	360	1	20A	3/4"	#12 R	Receptacle	18
19						2040	A	180	1	20A	3/4"	#12 R	Receptacle	20
21	DCU-1	M	#12	3/4"	15A	716	B	1500	1	20A	3/4"	#12 R	UH-1	22
23						716	C	200	2	20A	3/4"	#10 L	(3) Site lighting poles	24
25	VF-1, VF-2	M	#12	3/4"	20A	589	A	200						26
27	Spare				20A	1	B		1	20A			Spare	28
29	Spare				20A	1	C		1	20A			Spare	30
31	Spare				20A	1	A		1	20A			Spare	32
33	Spare					1	B		1				Spare	34
35	Spare					1	C		1				Spare	36
37	Spare					1	A		1				Spare	38
39	Spare					1	B		1				Spare	40
41	Spare					1	C		1				Spare	42
						A	B	C	TOTAL					
CONNECTED LOAD (VA)						7009	8832	6888	20729					
TYPE	LOAD (VA)	SUBLOADS (VA)			CONN LD (VA)	SIZING FACTOR	SIZING LOAD (VA)		NOTES					
LIGHTING	2058	PNL	PNL	PNL	2058	125%	2573		* 1ST 10KVA @ 100% REMAINING @ 50%					
RECEPTACLES	6120	-	-	-	6120	*	6120		** SIZE FAC. IN ACCORDANCE WITH NEC 220.56					
MECH EQUIP	12551	-	-	-	12551	100%	12551							
KITCHEN EQ	0	-	-	-	0	100%	0		**					
# OF KITCH EQ	0	-	-	-	0									
EQUIPMENT	0	-	-	-	0	100%	0							
OTHER	0	-	-	-	0	100%	0							
CONNECTED TOTAL (VA)						20729		21244		SIZING TOTAL (VA)				
CONNECTED AMPACITY (A)						57.54		56.97		SIZING AMPACITY (A)				
DEMAND TOTAL (VA)						20729								
DEMAND AMPACITY (A)						57.54								

Order Plans @

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6/5/2020

STRICKLAND BROTHERS  
10 MINUTE OIL CHANGE  
810 SOUTH MAIN STREET  
GRAHAM, NC



ELECTRICAL  
RISER AND  
SCHEDULES

ISSUE DATE: 6/5/20

REVISION 1: \_\_\_\_\_  
REVISION 2: \_\_\_\_\_  
REVISION 3: \_\_\_\_\_  
REVISION 4: \_\_\_\_\_

PROJECT #: 20-127  
CONTENT: \_\_\_\_\_

PROJECT ARCHITECT: ECE

DRAWN BY: VW

CADD FILE NAME:  
20-127

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E4.0

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