400 AMP COPPER BUSS

PANELBOARD SCHEDULE H

LOCATION: OFFICE/WAREHOUSE

C.B. RATING 22,000 A.I.C.

277/480 VOLTS | 3 PHASE | 4 WIRE SOLID NEUTRAL | SERVICE MOUNTED | 400A MCB MAINS | _____ TYPE

USE and/or AREA SERVED	C/B	CIR NO	LOAD øA	LOAD øB	LOAD øC	CIR NO	C/B	USE and/or AREA SERVED
AH-1	30	1	7,923			2	70	45 KVA TRANSFORMER (TO PANEL 'L')
		3	5,520			4		
				7,923				
	3	5		7,590			3	
					7,923	6		
CU-1	25	7	4,654		7,080	8	20	EF-4
		9	1000			10		
				4,654				
	3	11		1000		12	3	
					4,654			
LIGHTS	20 1	13	1536		1000	14	20	SPARE
LIGHTS	20 1	15	1000	1536		16		
LIGHTS	20 1	17		1000	2400			
					1000	18	3	
LIGHTS	20 1	19	3600			20	20 1	SPARE
LIGHTS	20 1	21	–	200		22	20 1	SPARE
LIGHTS	20 1	23		–	2250	24	20 1	SPARE
LIGHTS	20 1	25	2250		–	26	20 1	SPARE
SPARE	20 1	27	–	–		28	20 1	SPARE
SPARE	20 1	29			–	30	20 1	SPARE
SPARE	20 1	31	–		–	32	20 1	SPARE
SPARE	20 1	33	–	–		34	20 1	SPARE
SPARE	20 1	35			–	36	20 1	SPARE
SPARE	20 1	37	–		–	38	20 1	SPARE
SPARE	20 1	39	–	–		40	20 1	SPARE
SPARE	20 1	41			–	42	30 1	SPARE
TOTAL LOAD PER PHASE			27,483	23,903	26,307			77,693 VA÷831= 93.5 AMPS

NOTE: RATE AS REQUIRED TO PROVIDE A SERIES RATING TO WITHSTAND 200,000 A.I.C.

PROVIDE WITH COPPER ISOLATED GROUND BAR

PANELBOARD SCHEDULE L

LOCATION: OFFICE/WAREHOUSE

C.B. RATING 14,000 A.I.C.

120/208 VOLTS | 3 PHASE | 4 WIRE SOLID NEUTRAL | SERVICE MOUNTED | 150 A MAINS | 150 A MCB

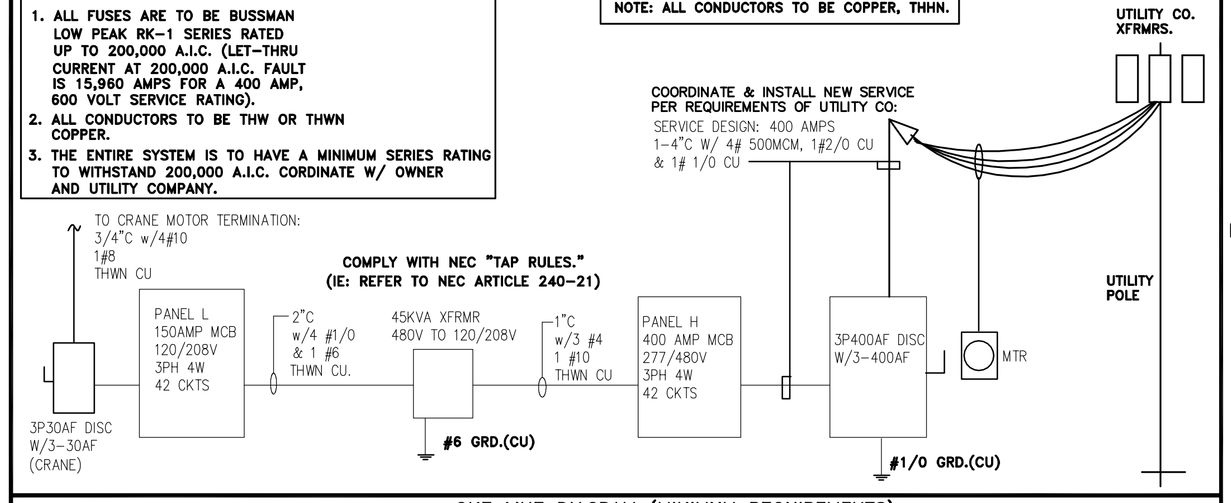
USE and/or AREA SERVED	C/B	CIR NO	LOAD øA	LOAD øB	LOAD øC	CIR NO	C/B	USE and/or AREA SERVED
RECEPTACLES	20 1	1	1440			2	20 1	SPARE
RECEPTACLES	20 1	3	–	1440		4	20 1	SPARE
RECEPTACLES	20 1	5		–	1440	6	20 1	SPARE
RECEPTACLES	20 1	7	1440		–	8	20 1	SPARE
RECEPTACLES	20 1	9	–	750		10	20 1	SPARE
RECEPTACLES	20 1	11		–	1200	12	20 1	SPARE
RECEPTACLES	20 1	13	1200		–	14	20 1	SPARE
RECEPTACLES	20 1	15	–	1200		16	20 1	SPARE
RECEPTACLES	20 1	17		–	1440	18	20 1	SPARE
RECEPTACLES	20 1	19	1440		–	20	20 1	SPARE
RECEPTACLES	30 1	21	–	1200		22	20 1	SPARE
SPARE	20 1	23		–	–	24	30	SPARE
SPARE	20 1	25	–		–	26	2	
SPARE	20 2	27	–	–		28	30	SPARE
		29			–	30	2	
SPARE	20 2	31	–		–	32	30	SPARE
		33	–	–		34	2	
SPARE	20 2	35			–	36	30	SPARE
		37	–			38	2	
SPARE	20 2	39	–	–		40		EWH
		41	3000		–			
					3000	42	2	
TOTAL LOAD PER PHASE			5,520	7,590	7,080			20,190 VA÷360V= 56.1 AMPS

NOTE: RATE AS REQUIRED TO PROVIDE A SERIES RATING TO WITHSTAND 200,000 A.I.C.

NOTES:

1. ALL FUSES ARE TO BE BUSSMAN LOW PEAK RK-1 SERIES RATED UP TO 200,000 A.I.C. (LET-THRU CURRENT AT 200,000 A.I.C. FAULT IS 15,960 AMPS FOR A 400 AMP, 600 VOLT SERVICE RATING).
2. ALL CONDUCTORS TO BE THW OR THWN COPPER.
3. THE ENTIRE SYSTEM IS TO HAVE A MINIMUM SERIES RATING TO WITHSTAND 200,000 A.I.C. CORDINATE W/ OWNER AND UTILITY COMPANY.

NOTE: ALL CONDUCTORS TO BE COPPER, THHN.



ONE LINE DIAGRAM (MINIMUM REQUIREMENTS)

ELECTRICAL LOAD ANALYSIS

SERVICE VOLTAGE				277/480 V, 3 PHASE, 4 WIRE	
OCCUPANCY				OFFICE/WAREHOUSE	
LOAD DESCRIPTION	CODE LOAD (KVA)	CONNECTED LOAD (KVA)	DIVERSITY (%)	DESIGN LOAD (KVA)	REMARKS
–	–	–	–	–	
LIGHTING – OFFICE/WAREHOUSE	32.2	5.8	1.25	40.3	CODE LOAD << CONNECTED
RECEPTACLES: 1ST 10,000	–	10.0	1.0	10.0	
OVER 10,000	–	10.2	0.5	5.1	
OTHER	–	0.0	1.0	0.0	
A/C:	–	–	–	–	
AHU-1		23.8	1.00	23.8	REHEAT FOR DEHUMIDIFICATION
ACCU-1		14.0	1.00	14.0	
WATER HEATER	–	6.0	1.0	6.0	
MISC.	–	0.0	1.25	0.0	
CRANE	–	20.0	1.0	20.0	
LARGEST MOTOR	–	20.0	0.25	5.0	
TOTAL(NEW SERVICE MIN. REQ.'D.)				124.2	149.5 AMPS AT 480 VOLTS 3 PHASE (400 AMP TOTAL SERVICE MIN. REQUIRED.)
PROPOSED NEW SERVICE				332.4	400.0 AMPS AT 480 VOLTS

* THE FOLLOWING IS MINIMUM CRITERIA. ENGINEER'S, NATIONAL, STATE & LOCAL REQUIREMENTS AND CRITERIA GOVERN WHEN CONFLICTS BETWEEN SAME OCCUR.

NOTES AND SPECIFICATIONS

A. GENERAL REQUIREMENTS

1. ALL WORK SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURERS' REQUIREMENTS, STATE, NATIONAL AND ALL OTHER APPLICABLE CODES AS MINIMUM REQUIREMENTS, SUCH AS: IBC, IMC, IFC, IECC, UNIFORM BUILDING CODE, UNIFORM MECHANICAL CODE, UNIFORM PLUMBING CODE, FIRE CODE, NEC, U.F.P.A. AND OTHER APPLICABLE CODES. THESE CODES ARE APART OF THIS CONTRACT AND WILL BE REFERENCED FOR ASSURING COMPLIANCE. DRAWINGS SHALL GOVERN WHERE A LARGER SIZE OR QUANTITY OR A BETTER QUALITY IS SHOWN THAN IS REQUIRED BY CODE(S). AS USED IN THE FOLLOWING, 'CONTRACTOR' SHALL MEAN THE ELECTRICAL,PLUMBING,MECHANICAL CONTRACTOR INSTALLING WORK UNDER THISDIVISION OF THE WORK. CONTRACTOR SHALL COMPLY WITH OWNER STANDARDS IN ADDITION TO THE ABOVE REQUIREMENTS.(AND COMPLY WITH CURRENT IECC)
2. DRAWINGS ARE DIAGRAMMATIC IN NATURE ONLY AND DO NOT SHOW EVERY REQUIRED MISCELLANEOUS DETAIL, SUPPORT, FITTING, ETC., FURNISH AND INSTALL ALL MATERIALS REQUIRED FOR A COMPLETE FUNCTIONING SYSTEM WHETHER OR NOT SHOWN ON THE DRAWINGS.
3. COORDINATE INSTALLATION WITH OTHER TRADES TO ASSURE INSTALLATION OF MATERIALS AND EQUIPMENT AS REQUIRED FOR THE PROPER SEQUENCE OF CONSTRUCTION. VERIFY AND INSTALL WITHIN INTENDED SPACE REQUIREMENTS WITH PROVISIONS SUCH AS VALVES AND PANELS FOR ACCESS AND SERVICE AND REMOVAL.
4. CONTRACTOR SHALL INSPECT, PRIOR TO BID, THE SITE AND INFORM HIMSELF OF THE CONDITIONS AFFECTING THE WORK. NO ADDITIONAL ALLOWANCES WILL BE MADE BECAUSE OF FAILURE TO OBTAIN INFORMATION ON EXISTING SITE CONDITIONS. COORDINATE AND INSTALL WORK AS REQUIRED BY LOCAL UTILITY COMPANIES STANDARDS.
5. ALL WORK SHALL BE INSTALLED IN A FIRST CLASS MANNER CONSISTANT WITH MINIMUM INDUSTRY STANDARDS. MATERIALS OR EQUIPMENT WHICH DO NOT PRESENT A REASONABLY NEAT OR WORKMANLIKE APPEARANCE MAY BE REQUIRED BY THE ARCHITECT TO BE REMOVED AND REPLACED AT NO ADDITIONAL COST TO THE OWNER.
6. FURNISH 3 COPIES OF BROCHURES/SHOP DRAWINGS FOR APPROVAL PRIOR TO STARTING WORK. AT PROJECT CLOSEOUT, PROVIDE (3) COPIES OF OPERATING MANUALS, (1) COPY OF "AS BUILT" RECORD DRAWINGS, AND INSTRUCT OWNER IN THE OPERATION OF ALL EQUIPMENT.
7. ALL MISCELLANEOUS WORK SUCH AS EXCAVATION BACKFILL, CONCRETE, PADS, SLEEVES, ETC. REQUIRED TO PERFORM WORK UNDER THIS DIVISION SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR OF THIS DIVISION OF THE WORK. OBTAIN AND PAY FOR ALL REQUIRED LICENSES, PERMITS AND CERTIFICATES REQUIRED FOR WORK UNDER THIS SECTION.
8. ALL WORK SHALL BE GUARANTEED AGAINST DEFECTS IN MATERIALS AND WORKMANSHIP FOR A PERIOD OF (1) YEAR BEYOND FINAL ACCEPTANCE IN A FORM ACCEPTABLE TO THE ARCHITECT. GUARANTEE SHALL INCLUDE CORRECTIONS OR REPLACEMENT OF DAMAGE OR REPLACEMENT TO OTHER'S WORK OF MATERIALS WHICH IS CAUSED BY WORK UNDER THIS DIVISION.
9. CONTRACTOR IS RESPONSIBLE TO OBTAIN ALL NECESSARY PERMITS AND FEES.
10. PRODUCTS SHOWN ON DRAWINGS MAY BE SUBSTITUTED WITH EQUALS APPROVED BY THE ENGINEER. CONTRACTOR IS RESPONSIBLE FOR ALL ADDITIONAL COSTS ARISING FROM USE OF EQUAL PRODUCTS.
11. ALL MATERIAL SHALL BE NEW, COMMERCIAL GRADE AND BE U.L. LABELED AND CONFORM TO APPLICABLE CODES.
12. REFER TO LANDLORD/OWNER CRITERIA FOR REQUIREMENTS IN ADDITION TO THESE.
13. CONTRACTOR IS TO COORDINATE AND PERFORM ALL NECESSARY DEMOLITION WORK, RELOCATION WORK, AND CAPPING OF EXISTING WORK NECESSARY WHETHER SHOWN OR NOT, AS PART OF THE BASE BID.

B. ELECTRICAL SYSTEM GUIDE SPECIFICATIONS:

1. CONDUIT SHALL BE EMT UP TO 4" EXCEPT WHERE INSTALLED UNDERGROUND, IN CONCRETE OR MASONARY, WHERE RIGID GALVANIZED STEEL(RGC) OR SCHEDULE 40 PVC SHALL BE USE. ALL CONDUIT SHALL BE U. L. APPROVED AND SO STAMPED. SET SCREW CONNECTORS SHALL BE USED ON EMT. WHERE ENTERING PANELS, PULL BOXES, JUNCTION BOXES, OR OUTLET BOXES, CONDUIT SHALL BE SECURED IN PLACE WITH LOCKNUTS INSIDE AND OUTSIDE, AND INSULATED BUSHINGS INSIDE.
2. OUTLET AND JUNCTION BOXES SHALL BE GALVANIZED STEEL OF THE STYLE AND SIZE SUITABLE FOR THE FUNCTION PERFORMED. WHERE SHOWN OR REQUIRED PROVIDE TYPE FS WEATHERPROOF BOXES. PROVIDE PULL BOXES ON ALL CONDUIT RUNS SO THAT NO MORE THAN THREE 90 DEGREE OR EQUIVALENT BENDS ARE REQUIRED.
3. WIRE & CABLE SHALL BE SOFT DRAWN, ANNEALED, COPPER HAVING A CONDUCTIVITY OF NOT LESS THAN 98% OF THAT OF PURE COPPER. INSULATION SHALL BE TYPE THWN OR XHHN ON WIRE. LARGER THAN NO. 8. MINIMUM WIRE. SIZE IS NO. 12 WIRE. WIRE FOR BRANCH LIGHTING CIRCUITS SHALL BE OF SUCH SIZE THAT THE VOLTAGE DROP FROM THE PANEL TO THE FARTHEST POINT ON THE CIRCUIT SHALL NOT EXCEED 3%.
4. SWITCHES SHALL BE ROCKER TYPE LEVITON OR AS ACCEPTABLE TO INTERIOR DESIGNER.
5. RECEPTACLES SHALL BE HUBBELL OR EQUAL.
6. NEW PANELBOARDS AND SWITCHES SHALL BE SQUARE D HEAVY DUTY, OR APPROVED EQUAL PROVIDE NEMA 3R ENCLOSURES FOR SWITCHES MOUNTED OUTSIDE. PANELS SHALL BE MINIMUM 10,000 AMP A.I.C. VERIFY WITH UTILITY COMPANY.
7. NOT USED
8. ALL CONDUCTORS SHALL BE COPPER AND SHALL BE COLOR CODED TO CORRESPOND WITH THE OWNER'S ELECTRICAL INSTALLATION BUT NOT LESS STRINGENT THAN THE CURRENT NEC.
9. ALL PANELS, DISTRIBUTION EQUIPMENT AND SIMILAR DEVICES SHALL BEAR A PERMANENT LABEL FOR IDENTIFICATION. ALL FEEDER AND BRANCH CIRCUIT DIRECTORIES SHALL BE COMPLETELY FILLED OUT AND LOADS IDENTIFIED.
10. 120/240 VOLT PANELS MUST HAVE MINIMUM 10,000 A.I.C., AND NOT LESS THAN THE AFC ,THERMAL MAGNETIC TYPE MOLDED CASE BREAKERS BOLTED TO BUS. HALF SIZE OR TANDEM BREAKERS AND/OR PLUG-IN TYPE BREAKERS WILL NOT BE PERMITTED. 120/240 VOLT DISTRIBUTION PANELS MUST BE EITHER FUSIBLE TYPE WITH QUICK-MAKE, QUICK-BREAK INTERRUPTER SWITCHES WITH REJECTION CLIPS AND RK-1 FUSES OR THERMAL MAGNETIC TYPE MOLDDED CASE BREAKER TYPE WITH A.I.C. RATING TO BE COORDINATED WITH LANDLORD'S 120/240 VOLT DISTRIBUTION SYSTEM.
11. THE TOTAL LOAD SHALL BE BALANCED TO WITHIN 10% ON EACH OF THE THREE PHASES PROVIDED.
12. NOT USED
13. ALL FUSES USED WITHIN TENANT'S ELECTRICAL DISTRIBUTION SYSTEM SHALL BE BUSSMAN CLASS RK-1 LOW PEAK, CURRENT LIMITING TYPE.
14. ALL ELECTRICAL WIRING MUST BE IN CONDUIT. CONDUIT EXPOSED TO WEATHER MUST BE HEAVY WALL GALVANIZED STELL. ALL CONDUIT IN FINISHED AREAS SHALL BE CONCEALED.
15. CONTRACTOR IS RESPONSIBLE FOR TEMPORARY POWER REQUIREMENTS.
16. ALL TEMPORARY WIRING SHALL BE REMOVED WHEN OWNER'S REGULAR SERVICE IS AVAILABLE. ALL CIRCUITS SHALL BE RUN WITH A #12 GROUND WIRE UNLESS OTHER WIRE SIZE IS NOTED. USE OF CONDUIT AS A GROUND IS NOT PERMITTED.
17. ENTIRE INSTALLATION SHALL BE MADE IN STRICT ACCORDANCE WITH LANDLORD'S REQUIREMENTS.
18. FURNISH AND INSTALL NEW TYPEWRITTEN PANEL DIRECTORIES.
19. VERIFY SIZE, LOCATION, AND WIRING REQUIREMENTS FOR ALL EXISTING CONDITIONS. REPORT ANY DISCREPANCIES TO ARCHITECT.
20. PROVIDE A NEW TELEPHONE TERMINAL BOARD THAT SHALL BE 12" X 24"(MIN) AND AS REQUIRED PLYWOOD, 3/4" THICK, MOUNTED ON WALL, READY TO RECEIVE TELEPHONE EQUIPMENT.
21. COORDINATE WITH THE INTERIOR DESIGNER FOR EXACT LOCATION OF LIGHT FIXTURES, CEILING DEVICES, AND ALL OTHER DEVICES, ETC.
22. SWITCHES SHALL BE MOUNTED AS DIRECTED BY INTERIOR DESIGNER & ADA CODE, ABOVE FLOOR.
23. RECEPTACLES AND TELEPHONE OUTLETS SHALL BE MOUNTED PER ADA AND PER INTERIOR DESIGNER, ABOVE FLOOR, UNLESS OTHERWISE NOTED. PLEASE SEE JOB SUPERINTENDENT FOR LOCATIONS AND HEIGHTS OFF THE FLOOR.
24. MOUNTING HEIGHTS OF OTHER EQUIPMENT ARE NOTED ON INTERIOR DESIGNER REQUIREMENTS.
25. SECURE AND PAY FOR ALL REQUIRED PERMITS.
26. NOT USED.
27. EXIT LIGHTS AND EMERGENCY LIGHTS SHALL BE CONNECTED TO NIGHT LIGHT CIRCUIT.
28. NOT USED
29. WORK SHALL INCLUDE STARTUP OF ALL SYSTEMS, FURNISHING OF OPERATING AND MAINTENANCE INSTRUCTIONS, AND ONE YEAR GUARANTEE, COMMENCING ON DATE OF ACCEPTANCE BY THE TENANT.
30. FURNISH ALL MATERIAL AND EQUIPMENT AS SPECIFIED, EXCEPT WHERE SPECIFIC APPROVAL FOR SUBSTITUTION IS GIVEN BY THE TENANT.
31. PROPOSAL SHALL BE BASED ON SPECIFIED MATERIAL AND EQUIPMENT. IN ORDER TO PROMOTE COMPETITION, HOWEVER, BIDDERS ARE ENCOURAGED TO SUBMIT ALTERNATE PROPOSALS ON ANY ALTERNATE MATERIALS AND/OR EQUIPMENT THEY WISH TO PROPOSE, INCLUDING ANY PRICE CHANGES EFFECTED BY ACCEPPTANCE OF ALTERNATES.
32. COST OF ANY CHANGES REQUIRED BY OTHER TRADES DUE TO SUBSTITUTION OF ALTERNATE EQUIPMENT SHALL BE INCLUDED IN THE ALTERNATE PROPOSAL.
33. ALTERNATE PROPOSALS WILL BE ACCEPTED OR REJECTED BEFORE ISSUANCE OF CONTRACTS. NO CHANGES WILL BE ALLOWED AFTER THE CONTRACT IS SIGNED.
34. VERIFY LOCAL CONDITIONS AT SITE.
35. COMPLY WITH ALL APPLICABLE CODES.

G. TELEPHONE NOTES: (WHEN APPLICABLE)

1. THIS TRADE RESPONSIBLE TO PROVIDE ALL TELEPHONE SERVICE AND COORDINATION WITH TELEPHONE COMPANY.

H. FIRE ALARM SYSTEM

1. THIS TRADE RESPONSIBLE TO PROVIDE A NEW FIRE ALARM SYSTEM THROUGHOUT THE EXISTING AND NEW FACILITY PER STATE AND FEDERAL REGULATIONS AND CODES. CONTRACTOR IS TO BE HAVE ALL APPLICABLE LICENSES AND PROVIDE THE PLANS AND SPECS PER OWNER REQUIREMENTS. COMPLY WITH ADA.
2. INCLUDE CEILING MOUNTED SPEAKERS, PULL STATIONS, STROBES, AUDIBLES MAIN CONTROL PANEL, ETC.
3. PROVIDE INTERFACE AND CONNECTIONS WITH HVAC, SPRINKLER AND ALL OTHER INTERFACES, PLUS REMOTE MONITORING SYSTEM.

ELECTRICAL SYMBOLS LIST

SOME SYMBOLS MAY NOT APPLY TO THIS PROJECT.

- PROVIDE W/ EMERGENCY BATTERY PACK
- DUPLEX CONVENIENCE OUTLET: COORDINATE HEIGHT WITH ARCH/EQUIPMENT SUPPLIER
- FOURPLEX RECEPTACLE: COORDINATE HEIGHT WITH ARCH/EQUIPMENT SUPPLIER
- DUPLEX CONVENIENCE OUTLET MOUNTED ABOVE COUNTER. VERIFY EXACT MOUNTING HEIGHT WITH ARCHITECTURAL ELEV.
- SPECAL OUTLET: VERIFY NEMA CONFIGURATION WITH EQUIPMENT SUPPLIER
- DEDICATED OUTLET; 'HUBBELL' #IG5362 (ORANGE) RECEPTACLE WITH ISOLATED GROUND; COORD. HEIGHT WITH ARCH/EQUIPMENT SUPPLIER
- FLUSH FLOOR POWER OUTLET – 'HUBBELL' #S2429 BOX WITH #S3825 COVER PLATE, DUPLEX GROUNDING TYPE RECEPTACLE AND #S3082 CARPET FLANGE IN ALL CARPETED AREAS.
- FLUSH FLOOR TELEPHONE OUTLET – 'HUBBELL' #S2427 BOX WITH #S2425 COVER PLATE AND #S3082 CARPET FLANGE IN ALL CARPETED AREAS
- INDICATES TELEPHONE TYPE BOX AND COVER PLATE AT +18" OR AS NOTED FOR DATA TERMINAL OR CRT. PROVIDE CABLE AND/ OR CONDUIT AS NOTED
- TELEPHONE OUTLET AT +18" OR AS NOTED. FURNISH (1) 3/4" CONDUIT WITH PULL WIRE TO TELEPHONE MOUNTING BOARD OR AS NOTED
- JUNCTION BOX IN ACCESSIBLE LOCATION
- INDICATES HOMERUN TO PANELBOARD OR AS NOTED; HATCH LINES REFLECT CONDUCTORS; CONTRACTOR RESPONSIBLE FOR QUANTITY & SIZE PER CURRENT NEC
- PANELBOARD – MOUNT AT +6'-6" TO TOP
- SPEAKER
- SMOKE DETECTOR
- DUCT SMOKE DETECTOR
- MOTOR CONTROLLER – FURNISHED AND INSTALL BY ELECTRICAL CONTRACTOR. SIZE AS NOTED
- MOTOR – SIZE AS INDICATED ON DWGS.
- DISCONNECT SWITCH – SIZE AND FUSES AS PER MANUFACTURER'S RECOMMENDATIONS (WEATHERPROOF WHERE OUTSIDE)
- $M H.P. RATED MANUAL MOTOR SWITCH (W.P. WHERE OUTSIDE)
- $ SINGLE POLE SWITCH MTD. AT +44" OR AS NOTED
- $2 TWO POLE SWITCH MOUNTED AT +44" OR AS NOTED
- $3 THREE WAY SWITCH MOUNTED AT +44" OR AS NOTED
- $P SINGLE POLE SWITCH W/ PILOT LIGHT AT +44" OR AS NOTED
- INCAND. SLIDE CONTROL DIMMER AT +52" OR AS NOTED (1500 WATT UNLESS OTHER NOTED)
- TMB 3/4" PLYWOOD TELEPHONE MOUNTING BOARD WITH #6 CU. GROUND AND DEDICATED DUPLEX CONV. OUTLET. FURNISH IN ACCORDANCE WITH TELCO REQUIREMENTS. SIZE AS NOTED
- UNO UNLESS NOTED OTHERWISE
- C CONDUIT
- CONDUIT TURNING UP
- CONDUIT TURNING DOWN
- EMERGENCY EXIT SIGN, SEE LIGHTING FIXTURE SCHEDULE FOR SPECIFICATION
- B BUZZER
- C CHIME
- PUSHBUTTON
- TRANSFORMER
- CO CO MONITOR

WAREHOUSE BUILDING ELECTRICAL - ONE LINE DIAGRAM, LOAD ANALYSIS, PANEL SCHEDULES — NO SCALE

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PROJECT

EXPRESS ENERGY SERVICES

PROJECT ADDRESS

EL CAMPO, TEXAS

PROJECT NUMBER

VCELP 2011-202

ISSUE DATE

01.11.12

ISSUE FOR

01.11.12 PERMIT

REVISIONS

SHEET TITLE

PANEL SCHEDULES, ONELINE DIAGRAM, LOAD ANALYSIS,LEGEND, SPECIFICATIONS

SHEET NUMBER

E2.0