	•••••				TENIA	AIT (	<b>.</b>										1	ENAN	VT 3					
	VOL	_TS:	120/	SCHEDULE: MA 240 AMPS: 200 ::NEMA_1	TYPE	CTUI : <u>NC</u> SH	RER: <u>SQ. D</u> NO DOD MOUN ORT CIRCUIT RATING			UTILITY	AIC RATING WITH COMPANY BEFOI IG PANELS.			VOL	.TS: <u>120</u> CLOSUF	RE: <u>NEMA 1</u>		TYPE	: NOC	RT CIRCUIT RATING:		<u>H_</u>		
	MAIN	⊠	MLO	☐ TOP FEED: ☐ BOTTOM FEED: 図			S ⊠ OROUND BAR KIT: □							1.0	MIL.			PHAS						
1 L2	CIRCUIT	POLES	TRIP	ASSIGNMENT	PHA:		ASSIGNMEN	TRIP POLES CIRCUIT		1 L2		L1	L2	CIRCUIT	POLES	ASSIGNM	IENT	7 J		ASSIGNMENT		POLES		L2
.0	1		60	AIR HANDLING UNIT #2	0		HEAT PUMP UNIT		21.	3		40.0	$\geq \leq$	1	2 60	AIR HANDLING	UNIT #3	0		HEAT PUMP UNIT # 3	40	2 2	21.3	21 7
40.0	3					0		4	$\geq$	21.3		$\geq$	40.0	3					0 ==	AD A OF TOOM TOO TO TAKE	c 20	1 6	6.0	21.3
0 >><	5	1	20	OFFICE 1 RECEPTACLES	0		STORAGE RECEPTAC		6.0	/		6.0	$\geq \leq$	\ <del>\ \ \ \ \</del>	1 20			0	0 510	ORAGE ROOM RECEPTACLE BUILDING SIGN	20	1 8	10.0	5.0
6.0	7	1	20	OFFICE 2 RECEPTACLES	1 1	0	BUILDING SIGN		<u>                                     </u>	5.0		7.5	6.0	1	1 20 1 20	<u> </u>		0		AHU CONV. RECEPTACLE	20	1 10	1.5	
5 >><	9	1	20	OPEN FLOOR AREA RECEPTS.	0		AHU CONV. RECEPTA		1.5	1.5		7.5	7.5	11	1 20	OPEN FLOOR AREA		++		EAT PUMP CONV. RECEPT.	20	1 12		1.5
7.5	<del></del>	1	20	OPEN FLOOR AREA RECEPTS.	_	<u> </u>	HEAT PUMP CONV. RE		2.4	<del></del>		4.9	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	13	1 20		***************************************	0		OFFICE AREA LIGHTS	20	1 14	2.4	
9 ><	13	1	20	FRONT AREA LIGHTING SPARE	0	0 F	OFFICE AREA LIGHT		Š	30.0			X	15	1 20				o P0	INT OF USE WATER HEATE	R 40	2 16		30.0
X	15	1	20	SPARE			-OINT OF USE WATER	18	30.	<del>-\</del>		X	$\sim$	17	1 20	SPARE		0				18	30.0	
	19	1	20	SPARE		0	SPARE	20 1 20		$\overline{\langle}$			X	19	1 20	SPARE			0	SPARE	20	1 20		X
	21	1	20	SPARE	0		SPARE	20 1 22	X			X	>	21	1 20	SPARE		0		SPARE	20	1 22	- k	
X	23	1	20	SPARE		0	SPARE	20 1 24	$\triangleright$	$\langle x \rangle$		$\sim$	X	23	1 20				0	SPARE	20	1 24	>	X
	25	1	20	SPARE	0		SPARE	20 1 26	X			X	$\geq$	25	1 20	SPARE		0		SPARE	20	1 20		
X	27	1	20	SPARE		0	SPARE	20 1 28	$\geq$	$\langle   x  $		$\geq$	X	27	1 20	<u> </u>			0	SPARE	20	1 28		X
	29	1	20	SPARE	0		SPARE	20 1 30	Х	$\langle \rangle \langle$		X	$\geq$	29	1 20			0		SPARE	20	1 30	<del></del>	
X	31	1	20	SPARE		0	SPARE	20 1 32		$\leq$ $\times$		$\geq$	X	31	1 20				0	SPARE	20	1 3		×
<b>₹</b>	33	1	20	SPARE	0		SPARE	20 1 34	_			X	$\geq$	33	1 20			0		SPARE	20			
$<$ $\times$	35	1	20	SPARE		0	SPARE	20 1 36		$\leq \times$		$\geq$	X	35	1 20				0	SPARE SPARE	20	1 3		
$\langle \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	37	1	20	SPARE	0		SPARE	20 1 38				X	$\geq$	37	1 20			0	0	SPARE	20	1 4		$\frac{1}{x}$
$\leq$ $\times$	39	1	20	SPARE		0	SPARE	20 1 40		X X			X	39 41	1 20 1 20		*	0		SPARE	20	1 4		
<b>⟨</b>	41	1	20	SPARE	0		SPARE	20 1 42	X		J	X		41	1 20	SPARE			119.6 <i>A</i>			, , ,		
					L1 = 1 L2 =														111.3 A					
METU	RICA	L SY	STE	M AND EQUIPMENT LIANCE:					TE	NANT 1				•		TENANT 2 AND	3			TE	NANT	4		
1467 1 1 1 A		00	/ I W I I L	·				<u> </u>			ATIONO				TDICAL	LOAD CALCULA				ELECTRICAL LOAD	CALCL	ILATIO	ONS	
ENERGY				PRESCRIPTIVE 🖾			RMANCE [	ELECTRICAL LO		CALCUL							TIONS	<u>VA</u>		1750 SQUARE FEET				VA.
ASHRAE	90.1:			PRESCRIPTIVE	PE	ERFO	RMANCE	1750 SQUARE FEET				VA.	ľ	1750 S	QUARE	reel		<u> </u>		1750 DWOMINE TEET				
REFER	TO DRA	AWING	GS F	OR RISER DIAGRAM AND PANE	L SCH	EDUL	.ES	NONCONTINUOL	IS L	OADS:				NONC	ONTIN	UOUS LOADS:				NONCONTINUOUS L	OADS:			
LIGHT	ING S	CHE	DUL	<b>.E</b>				36 RECEPTACLES ©	180	O VA EA.	6480					ES @ 180 VA EA.	4320			25 RECEPTACLES @ 180	VA EA	۸.	6120	
LAMP T	YPE R	EQUII	RED	IN FIXTURE:	EE SC	HEDU I	JLE	1ST 10000 REMAINDER @ 50%				6480 0		1ST 10				43	320 0	1ST 10000 REMAINDER @ 50%				6120
NUMBER	R OF L	AMPS	S IN	FIXTURE:				TOTAL			•	6480		TOTAL				43	320	TOTAL	n.			6120

ELECTRICAL LOAD CALCULATIONS	}	
1750 SQUARE FEET	VA.	
NONCONTINUOUS LOADS:		
36 RECEPTACLES @ 180 VA EA. 6480 1ST 10000 REMAINDER @ 50% TOTAL	6480 0 6480	
CONTINUOUS LOADS: GENERAL LIGHTING LOAD VA/SQ. FT.		1
1750 SQ. FT. 1.3 2275 2275 X 1.25	2844	
AIR HANDLING UNIT	9600	
HEAT PUMP UNITS	5112	
EQUIPMENT:	10176	
25% OF LARGEST MOTOR	822	
GRAND TOTAL	35034	
146 AMPS @ 120/240V, 1ø, 60HZ		' (

ELECTRICAL LOAD CALO	CULATIONS	,
1750 SQUARE FEET		<u>VA</u>
NONCONTINUOUS LOADS	S:	
24 RECEPTACLES @ 180 VA 1ST 10000 REMAINDER @ 50% TOTAL	EA. 4	320 4320 0 4320
CONTINUOUS LOADS: GENERAL LIGHTING LOAD VA	•	275
1750 SQ. FT. 2275 X 1.25	1.5 2	2844
AIR HANDLING UNIT		9600
HEAT PUMP UNITS		5112
EQUIPMENT:		7800
25% OF LARGE	ST MOTOR	822
GRAND TOTAL		30498
127 AMPS @ 120/2	240V, 1ø, 60H	IZ

AMPS: 200

PANEL: D SCHEDULE:

ENCLOSURE: NEMA 1

VOLTS: 120/240

TENANT 4	
ELECTRICAL LOAD CALCULATIONS	)
1750 SQUARE FEET	VA.
NONCONTINUOUS LOADS:	
25 RECEPTACLES @ 180 VA EA. 6120 1ST 10000 REMAINDER @ 50%	6120 0
TOTAL	6120
CONTINUOUS LOADS: GENERAL LIGHTING LOAD VA/SQ. FT. 1750 SQ. FT. 1.3 2275	
2275 X 1.25	2844
AIR HANDLING UNIT	9600
HEAT PUMP UNITS	5112
EQUIPMENT:	10656
25% OF LARGEST MOTOR	822
GRAND TOTAL	35154
146 AMPS @ 120/240V, 1ø, 60HZ	)
	35154

NO. OF SPACES 42

MOUNTING: <u>FLUSH</u>

								URER: SQ. D NO. OF SPA					
		VOL	_TS	<u>120</u>		TYP		NOUNTING: _		<u>5H</u>	-		
		ENG	CLO	SUR	E: <u>NEMA 1</u> Ø: <u>1</u>		S	HORT CIRCUIT RATING: <u>221</u>	<u> </u>		-		
		MAIN	X	ML,C	TOP FEED: 🛛 BOTTOM FEED: 🖾	COF	PEA E	RUS 🗵 GROUND BAR KIT: 🗵 NEUTRA	AL BAR	KIT	⊠		•
L1	L2	CIRCUIT	POLES	TRIP	ASSIGNMENT	PH/		ASSIGNMENT	TRIP	POLES	CIRCUIT	L1	L2
40.0		ا ت 1	2	60	AIR HANDLING UNIT #1	0		HEAT PUMP UNIT # 1	40	2	2	21.3	$\overline{}$
	40.0	3	-	- •	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		0				4	>	21.3
4.5	- CO. CO.	5	1	20	WAREHOUSE RECEPTACLES	0		OFFICE 4 RECEPTACLES	20	1	6	6.0	> <
K	6.0	7	1	20	OFFICE 3 RECEPTACLES		0	BUILDING SIGN	20	1	8	$\times$	5.0
6.0		9	1	20	OFFICE 2 RECEPTACLES	0		AHU CONV. RECEPTACLE	20	1	10	1.5	> <
	7.5	11	1	20	BREAKROOM RECEPTACLES		0	HEAT PUMP CONV. RECEPT.	20	1	12	$\times$	1.5
6.0		13	1	20	OFFICE 1 RECEPTACLES	0		SPARE	20	1	14	Х	><
<b>S</b>	7.5	15	1	20	CONFERENCE ROOM RECEPTS.		0	POINT OF USE WATER HEATER	40	2	16	$\geq$	30.0
7.5	$\overline{}$	17	1	20	LOBBY RECEPTACLES	0					18	30.0	$\geq \leq$
$\supset$	3.0	19	1	20	COUNTER RECEPTACLE		0	OFFICE LIGHTING	20	1	20	$\geq \leq$	6.2
3.0	>	21	1	20	COUNTER RECEPTACLE	0		WAREHOUSE LIGHTING	20	1	22	4.0	$\geq \leq$
>	13.8	23	1	20	GARAGE DOOR OPENER		0	SPARE	20	1	24	$\geq \leq$	X
X	$\supset$	25	1	20	SPARE	0		SPARE	20	1	26	X	$\geq \leq$
>>	X	27	1	20	SPARE		0	SPARE	20	1	28	$\geq \leq$	X
X		29	1	20	SPARE	0		SPARE	20	1	30	X	$\geq \leq$
$\times$	X	31	1	20	SPARE		0	SPARE	20	1	32	$\geq$	X
X	><	33	1	20	SPARE	0		SPARE	20	1	34	X	$\geq$
>	X	35	1	20	SPARE		0	SPARE	20	1	36	$\geq$	X
X	$\supset <$	37	1	20	SPARE	0		SPARE	20	1	38	X	$\geq \leq$
$\supset$	X	39	1	20	SPARE		0	SPARE	20	1	40	$\geq$	X
X		41	1	20	SPARE	0		SPARE	20	1	42	X	><

L1 = 129.8 A

L2 = 141.3 A

**TENANT 1** 

6.0

7.5

4.9

BALLASTS TYPE USED IN FIXTURE:

NUMBER OF BALLASTS IN FIXTURE:

TOTAL INTERIOR WATTAGE SPECIFIED VS. ALLOWED:

TOTAL EXTERIOR WATTAGE SPECIFIED VS. ALLOWED:

ADDITIONAL PRESCRIPTIVE COMPLIANCE

506.2.1 MORE EFFICIENT MECHANICAL EQUIPMENT

506.2.3 ENERGY RECOVERY VENTILATION SYSTEMS

506.2.4 HIGHER EFFICENCY SERVICE WATER HEATING

506.2.5 ON—SITE SUPPLY OF RENEWABLE ENERGY □

506.2.6 AUTOMATIC DAYLIGHTING CONTROL SYSTEMS

506.2.2 REDUCED LIGHTING POWER DENSITY

TOTAL WATTAGE PER FIXTURE:

	· •												
L1	L2	CIRCUIT	POLES	TRIP	ASSIGNMENT	PH/	72 73 73	ASSIGNMENT	TRIP	POLES	CIRCUIT	L1	L2
40.0		1	2	60	AIR HANDLING UNIT #4	0		HEAT PUMP UNIT #4	40	2	2	21.3	$\geq \leq$
$\mathbf{X}$	40.0	3					0				4	$\geq \leq$	21.3
6.0	> <	5	1	20	WAREHOUSE RECEPTACLES	0		DRINKING FOUNTAIN	20	1	6	5.6	$\geq \leq$
$\times$	6.0	7	1	20	WAREHOUSE RECEPTACLES		0	BUILDING SIGN	20	1	8	$\geq \leq$	5.0
3.0	> <	9	1	20	COUNTER RECEPTACLE	0		AHU CONV. RECEPTACLE	20	1	10	1.5	$\geq \leq$
$\times$	9.0	11	1	20	OFFICE 2 RECEPTACLES		0	HEAT PUMP CONV. RECEPT.	20	1	12	$\geq \leq$	1.5
9.1	> <	13	1	20	WAREHOUSE LIGHTING	0		OFFICE AREA LIGHTS	20	1	14	3.1	$\geq \leq$
X	3.0	15	1	20	LOBBY 1 RECEPTACLES		0	POINT OF USE WATER HEATER	40	2	16	$\geq$	30.0
4.5	$\times$	17	1	20	LOBBY RECEPTACLES	0					18	30.0	$\geq \leq$
$\times$	4.5	19	1	20	LOBBY CASEWORK RECEPTS.		0	LOBBY TELEVISION	20	1	20	$\geq \leq$	5.0
13.8	> <	21	1	20	OVERHEAD DOOR OPENER	0		SPARE	20	1	22	X	$\geq \leq$
$\times$	X	23	1	20	SPARE		0	SPARE	20	1	24	$\geq \leq$	X
Х	> <	25	1	20	SPARE	0		SPARE	20	1	26	X	$\geq$
$\times$	Χ	27	1	20	SPARE		0	SPARE	20	1	28	$\geq$	X
Х	> <	29	1	20	SPARE	0		SPARE	20	1	30	X	$\geq \leq$
$\times$	Χ	31	1	20	SPARE		0	SPARE	20	1	32	$\geq$	X
Х	> <	33	1	20	SPARE	0		SPARE	20	1	34	X	$\geq$
$\times$	X	35	1	20	SPARE		0	SPARE	20	1	36	$\geq$	X
X	$\times$	37	1	20	SPARE	0		SPARE	20	1	38	X	$\geq$
>	X	39	1	20	SPARE		0	SPARE	20	1	40	$\geq$	X
X	$\supset$	41	1	20	SPARE	0		SPARE	20	1	42	X	$\geq$

L1 = 137.9 A

L2 = 125.3 A

TENANT 4

MAIN: 🗵 MLO: 🗌 TOP FEED: 🗎 BOTTOM FEED: 🖾 COPPER BUS: 🖾 GROUND BAR KIT: 🖾 NEUTRAL BAR KIT: 🖾

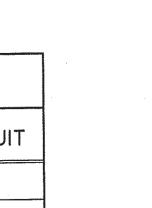
Ø: <u>1</u>

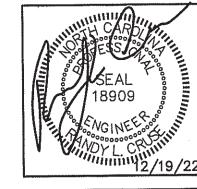
MANUFACTURER: SQ. D

SHORT CIRCUIT RATING: \_\_22K

TYPE: NQOD\_

	FEEDER	SCHEDULE	
UNIT	FEEDERS	FUSED DISCONNECT	CONDUIT
AHU-1,2,3,4	(2)#6CU,(1)#8CU GND	60	3/4"
HP-1,2,3,4	(2)#10CU,(1)#12CU GND	60	3/4"
P.O.U. HEATER	(2)#10CU,1#10CU GND	60	3/4"





REVISIONS

THESE DOCUMENTS ARE INSTRU-MENTS OF SERVICE AND AS SUCH THESE DRAWINGS, DESIGNS, AND DESIGN CONCEPTS PRESENTED REMAIN THE PROPERTY OF THE ENGINEER. PUBLISH OR DUPLICATE THE DRAWINGS OR DESIGNS ONLY WITH THE WRITTEN PERMISSION OF THE ENGINEER. (C) COPY RIGHT

DATE 12-19-22 DRAWN BY BAM JOB NO. 22-60

SHEET NO.

ELECTRICAL NOTES (GENERAL)

1. THE ELECTRICAL INSTALLATION, EQUIPMENT, MATERIALS, AND WORKMANSHIP SHALL, AS A MINIMUM, BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE (NEC), OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA), ALL APPLICABLE FEDERAL, STATE, COUNTY, AND LOCAL CODES, LAWS, AND ORDINANCES, AND RULINGS OF THE INSPECTION AUTHORITIES HAVING JURISDICTION. ALL FEES, PERMITS, ETC., ASSOCIATED WITH THE ELECTRICAL WORK SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.

2. THE DRAWINGS GENERALLY INDICATE THE WORK TO BE INSTALLED, BUT DO NOT SHOW ALL BENDS, BOXES, FITTINGS, AND SPECIALTIES WHICH MAY BE REQUIRED FOR A COMPLETE INSTALLATION. ALL SUCH ITEMS REQUIRED TO COMPLETE THE INSTALLATION ACCORDING TO INDUSTRY ACCEPTED PRACTICES SHALL BE INCLUDED IN THE BID.

- 3. ALL EQUIPMENT AND MATERIALS SHALL BE NEW AND LISTED AND LABELED BY UNDERWRITERS LABORATORIES, INC.
- 4. ALL PENETRATIONS OF FIRE WALLS SHALL BE SEALED WITH APPROVED SEALING MATERIALS TO MAINTAIN THE FIRE RATING OF THE WALLS.
- 5. THE CONTRACTOR SHALL VERIFY WIRE AND FUSE/CIRCUIT BREAKER SIZING FOR ALL MECHANICAL EQUIPMENT PRIOR TO PURCHASING MATERIALS AND INSTALLING BRANCH CIRCUITS.

6. THE ELECTRICAL CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES TO AVOID INTERFERENCES AND CONFLICTS. APPARENT INTERFERENCES OR CONFLICTS SHALL BE REPORTED TO THE PRIME CONTRACTOR AND RESOLVED PRIOR TO PROCEEDING WITH THE WORK IN

7. THE ELECTRICAL CONTRACTOR SHALL CONNECT BRANCH CIRCUITS TO THE MAIN LINE TERMINALS OF EQUIPMENT FURNISHED BY OTHER CONTRACTORS. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ANY NECESSARY SWITCHES, DISCONNECTS, OR OVERCURRENT PROTECTION AHEAD OF SUCH EQUIPMENT.

8. RACEWAYS ARE SHOWN SCHEMATICALLY AND MAY BE REROUTED IN THE FIELD. THEY SHALL BE INSTALLED AT RIGHT ANGLES TO OR PARALLEL WITH BUILDING LINES. THEY SHALL BE RUN CONCEALED WITHIN WALLS OR BUILDING STRUCTURES WHEREVER POSSIBLE.

9. ALL RACEWAYS, EQUIPMENT, ETC., ABOVE A SUSPENDED CEILING SHALL BE MOUNTED A MINIMUM OF 18" ABOVE THE CEILING SO AS NOT TO BLOCK ANY TILE OR FIXTURE ACCESS.

10. THE MINIMUM ALLOWABLE SIZE FOR ANY CONDUIT, IMC, OR EMT SHALL BE 1/2" AND MAY BE USED FOR 2#12 WIRE SWITCHLEGS ONLY. A SWITCHLEG SHALL BE DEFINED AS THE RUN OF CONDUIT FROM THE SWITCH OUTLET BOX TO THE FIRST OUTLET BEING SWITCHED.

- 11. FULL WEIGHT GALVANIZED RIGID STEEL CONDUIT SHALL BE USED IN THE FOLLOWING AREAS:
- A. ON THE EXTERIOR OF THE BUILDING OR ROOF,
- B. VERTICAL DROPS WHERE THE CONDUIT CANNOT BE ANCHORED TO WALLS OR OTHER SUPPORT STRUCTURES,
- C. WHERE SUBJECT TO MECHANICAL DAMAGE.
- 12. ALL WIRE AND CABLE SHALL BE COPPER AND HAVE 600 VOLT THHN-THWN INSULATION. ALUMINUM WIRING SHALL NOT BE PERMITTED.

13. THE MINIMUM WIRE SIZE SHALL BE #12 AWG EXCEPT FOR CONTROL WIRING, WHICH MAY BE #14 AWG. CONTROL WIRING SHALL USE STRANDED CONDUCTORS UNLESS OTHERWISE NOTED.

14. ALL METAL RACEWAY SYSTEMS SHALL BE MADE ELECTRICALLY CONTINUOUS. THE RACEWAY SYSTEM SHALL NOT BE THE SOLE GROUNDING METHOD. AN INSULATED COPPER GROUNDING CONDUCTOR SHALL BE INSTALLED FOR ALL FEEDERS AND BRANCH CIRCUITS. AT RECEPTACLES, A GREEN GROUND CONDUCTOR SHALL BE CONNECTED TO THE GROUND TERMINAL OF THE RECEPTACLE.

15. THE ELECTRICAL CONTRACTOR SHALL COORDINATE FUSE AND DISCONNECT SWITCH SIZES WITH THE MECHANICAL EQUIPMENT SUPPLIER PRIOR TO PURCHASE AND INSTALLATION OF BRANCH CIRCUIT EQUIPMENT. IF EQUIPMENT SIZING CHANGES FROM DESIGN SIZES, CIRCUITS SHALL BE

16. LIGHT FIXTURES FOR INSTALLATION IN A SUSPENDED CEILING SHALL BE SECURELY FASTENED TO THE CEILING SUSPENSION SYSTEM IN A

MANNER TO PREVENT FIXTURES FROM FALLING. IN ADDITION, 16 GAGE WIRE HANGERS SHALL BE FASTENED TO THE FOUR CORNERS OF THE 17. CONNECTIONS TO FIXTURES INSTALLED IN SUSPENDED CEILINGS SHALL BE MADE WITH FLEXIBLE METAL CONDUIT TO ALLOW THE FIXTURE TO

BE LIFTED OUT OF THE GRID AND MOVED TO AN ADJACENT GRID LOCATION. 18. BREAKERS SUPPLYING HVAC OR REFRIGERATION EQUIPMENT SHALL BE HACR TYPE.

19. 3/4" CONDUIT IS MINIMUM ALLOWABLE SIZE EXCEPT AS INDICATED IN #10. CONDUIT FILL NOT TO EXCEED 40% AS PERMITTED BY THE NATIONAL ELECTRIC CODE.

20. ALL CONDUCTORS TO BE INSTALLED IN CONDUIT (EXCEPT WHERE ROMEX IS INSTALLED). EMT FITTINGS TO BE COMPRESSION TYPE, INSULATED THROAT.

21. NOT USED

22. DATA, SECURITY, THEATRICAL, AND VIDEO SYSTEMS TO BE PROVIDED BY OWNER. ROUGH-IN OF OUTLETS AND CONDUIT WILL BE BY CONTRACTOR AS SHOWN ON DRAWINGS. 23. NOT USED

24. NO. 10 AWG CONDUCTORS SHALL BE USED FOR 20 AMP BRANCH CIRCUIT HOME RUNS EXCEEDING 50 FT. TO THE JUNCTION POINT.

20 AMP BRANCH CIRCUIT WIRING SHALL BE NO. 10 AWG THROUGHOUT IF THE CIRCUIT IS LONGER THAN 100 FEET TOTAL LENGTH. 25. CONDUCTORS SHALL BE CONTINUOUS FROM OUTLET TO OUTLET. SPLICES WILL NOT BE MADE EXCEPT WITHIN ACCESSIBLE OUTLET OR JUNCTION BOXES, TROUGHS, OR GUTTERS.

26. MAKE CONDUCTOR LENGTHS FOR PARALLEL CIRCUITS EQUAL.

27. INSTALL TELEPHONE OUTLETS WITH 3/4" EMPTY CONDUIT AND PULL CORD. STUB OUT ABOVE CEILING. PHONE SYSTEM INSTALLED BY OWNER.

28. ALL CONDUIT WITHOUT CONDUCTORS SHALL HAVE NYLON PULLCORDS INSTALLED.

29. THE CONTRACTOR SHALL MAKE A COMPLETE REVIEW OF THE PLANS, SCHEDULES, AND DETAILS PRIOR TO INSTALLATION, AND REVIEW ANY CONFLICTS THAT ARE NOTED WITH THE ENGINEER.

30. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FEES FOR PERMITS AND INSPECTIONS. THE CONTRACTOR WILL ALSO BE RESPONSIBLE FOR ELECTRIC UTILITY CONNECTION FEES AND LINE EXTENSION FEES.

31. ELECTRICAL CONNECTIONS TO EQUIPMENT SUBJECT TO VIBRATION WHICH DEVELOPS OBJECTIONABLE NOISES SHALL BE MADE FROM THE CONDUIT SYSTEM WITH SHORT LENGTHS OF FLEXIBLE "LIQUID-TITE" CONDUIT.

32. ALL WIRE TERMINATIONS AND EQUIPMENT TO BE RATED FOR 75° C MINIMUM.

33. ELECTRICAL CONTRACTOR TO MAINTAIN 2' OF SEPARATION ON RECEPTACLES ON OPPOSITE SIDES OF ANY FIRE RATED WALL PER 2017

34. WIRING TO DISCONNECT SWITCH AND DISCONNECT SWITCH SHALL BE FURNISHED BY THE ELECTRICAL CONTRACTOR. WIRING FROM THE DISCONNECT TO THE EQUIPMENT SHALL BE BY THE MECHANICAL CONTRACTOR.