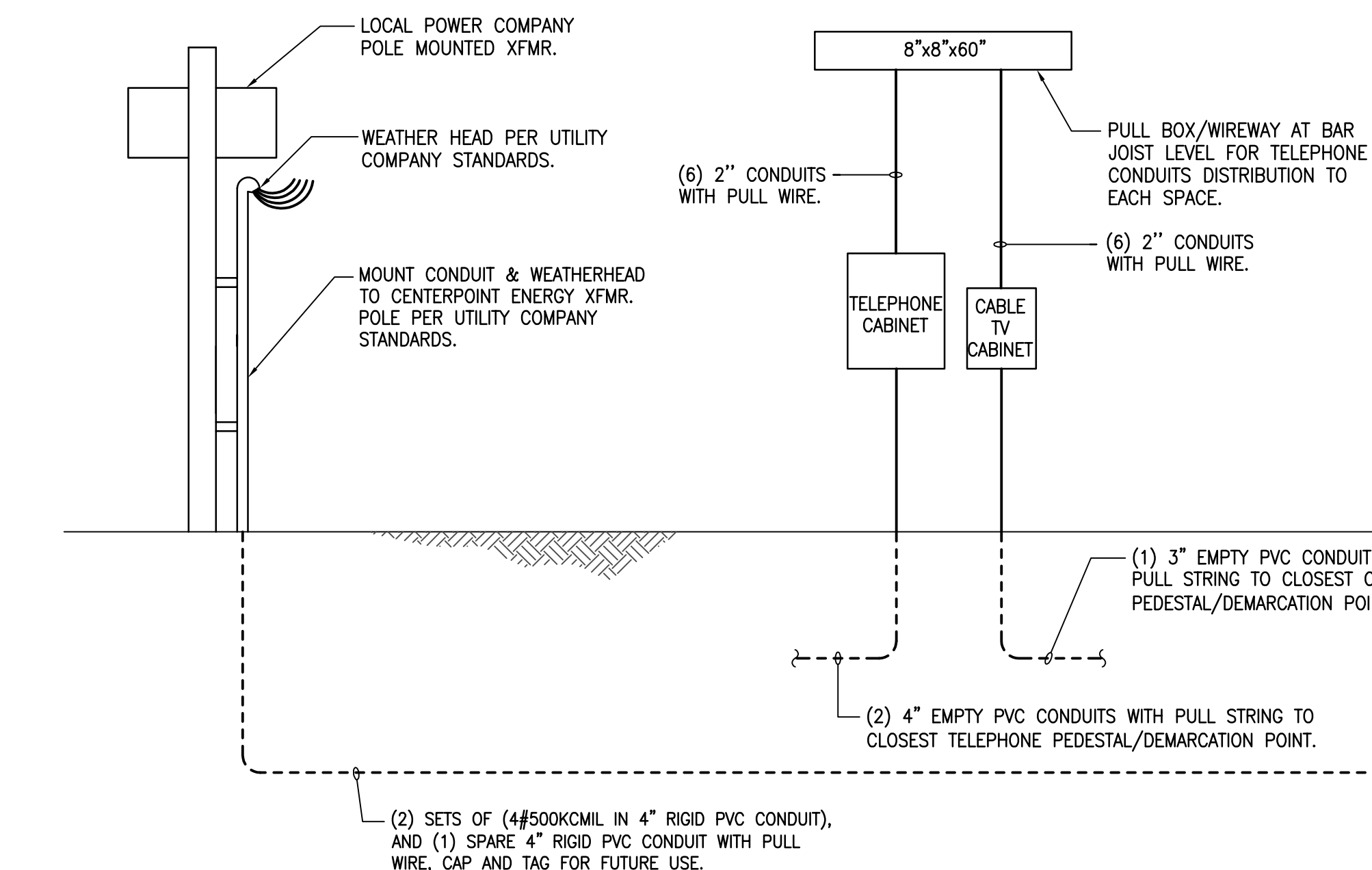
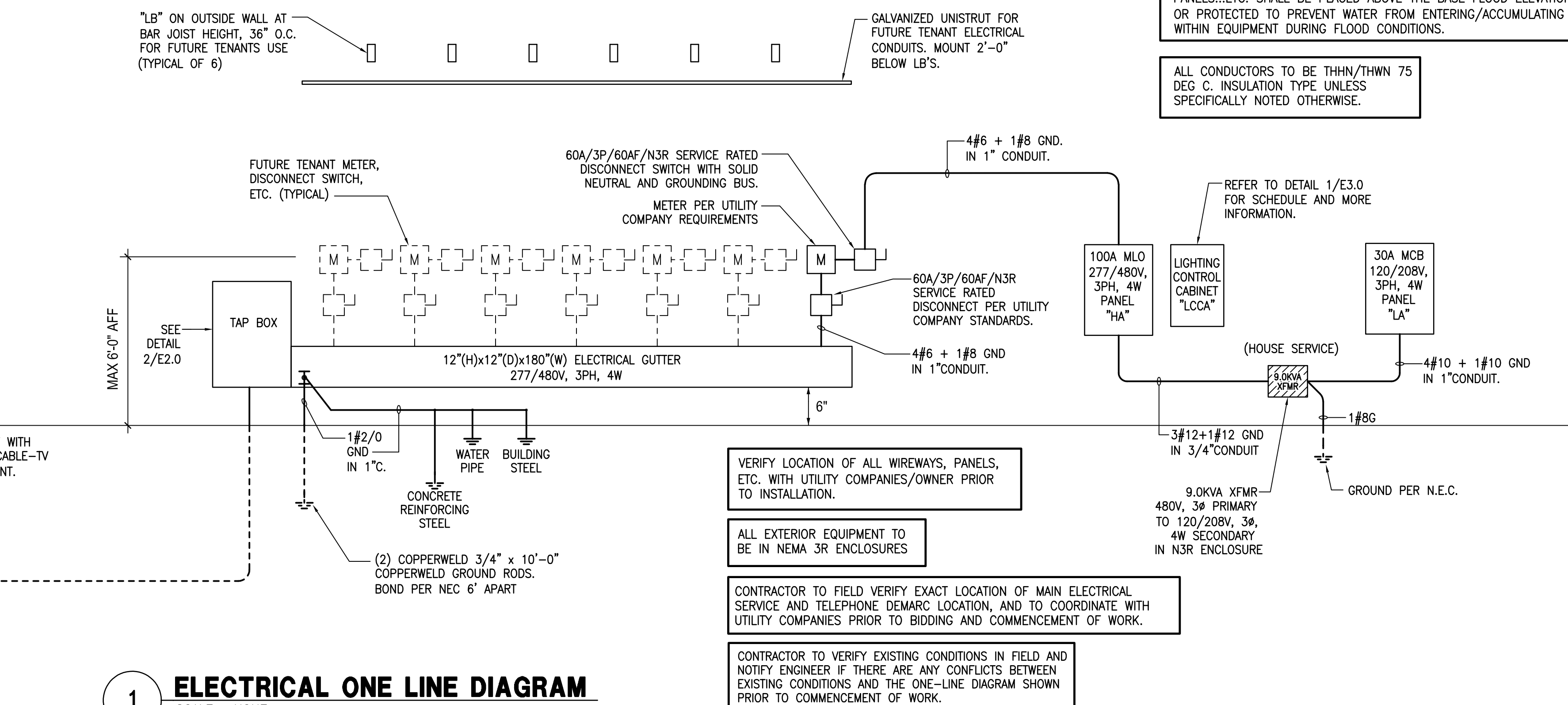


NEW PANELBOARD SCHEDULE											HA					
VOLTAGE	PHASE	WIRE	MCB (A)	MLO (A)	AIC RATING	MOUNTING SURFACE	LOCATION	REMARKS			NEMA ENCLOSURE					
277/480	3	4	30	100	22,000						3R					
LOAD TYPE LEGEND																
L	LIGHTING/CONT-LD	K	KITCHEN EQUIP	PROVIDE EQUIPMENT GROUNDING BUS AND FEED THRU AND/OR SUB FEED LUGS												
R	RECEPTACLES	E	EXISTING	PROVIDE (2) SECTIONS PANEL EACH SECTION IS 42 POLES												
M	MECHANICAL EQUIP	O	OTHER/MISC													
CKT #	LOAD DESCRIPTION	LOAD TYPE	WIRE SIZE	CONDUIT SIZE	CIRCUIT BREAKER	LOAD (VA)	PHASE	LOAD (VA)	CIRCUIT BREAKER	CONDUIT SIZE	WIRE SIZE	LOAD DESCRIPTION	CKT #			
1	CANOPY/WALL LTG	L	#10	3/4"	20A	1	800	A	1000	3	20A	2"	#8	L	SITE SIGNAGE	2
3	WALL PACK LTG	L	#10	3/4"	20A	1	650	B	1000							4
5	SITE LIGHTING	L	#10	3/4"	20A	2	800	A	1000							6
7	SITE LIGHTING (NL)	L	#10	3/4"	20A	2	250	B	0	1	20A	1"	#10	O	UNIT HEATER	8
9	SPARE				20A	1	0	A	0	1	20A				SPARE	10
11	SPARE				20A	1	0	A	0	1	20A				SPARE	12
13	SPARE				20A	1	0	A	0	1	20A				SPARE	14
15	SPARE				20A	1	0	B	0	1	20A				SPARE	16
17	SPARE				20A	1	0	C	0	1	20A				SPARE	18
19	SPARE				20A	1	0	A	0						SPACE	20
21	SPARE				20A	1	0	B	0						SPACE	22
23	SPARE				20A	1	0	C	0						SPACE	24
25	SPARE				20A	1	0	A	0	3	20A	SEE RISER	O	9KVA XFMR	26	
27	SPARE							B							PANEL "LA"	28
29	SPARE							C								30
CONNECTED LOAD ABOVE (VA)											TOTAL					
A			B			C			TOTAL							
5260			1900			2050			9210							
CONNECTED AMPACITY ABOVE (A)											TOTAL					
18.99			6.86			7.40										
LOAD TYPE	CONN. LD (VA)	PNL	PNL	PNL	CONN. LD (VA)	SIZING FACTOR	SIZING LOAD (VA)									
LIGHTING/CONT-LD	6550	920	-	-	7470	125%	9338									
RECEPTACLES	0	1300	-	-	1300	*	1300									
MECHANICAL EQUIP	0	0	-	-	0	100%	0									
KITCHEN EQUIP	0	0	-	-	0	100%	0									
#OF KITCHEN EQUIP	0	0	-	-	0	**	**									
EXISTING	0	0	-	-	0	125%	0									
OTHER/MISC	2660	400	-	-	3060	100%	3060									
TOTAL CONNECTED (VA)					11830		SIZING TOTAL (VA) PER NEC									
CONNECTED AMPACITY (A)					14.23		SIZING AMPACITY (A) PER NEC									

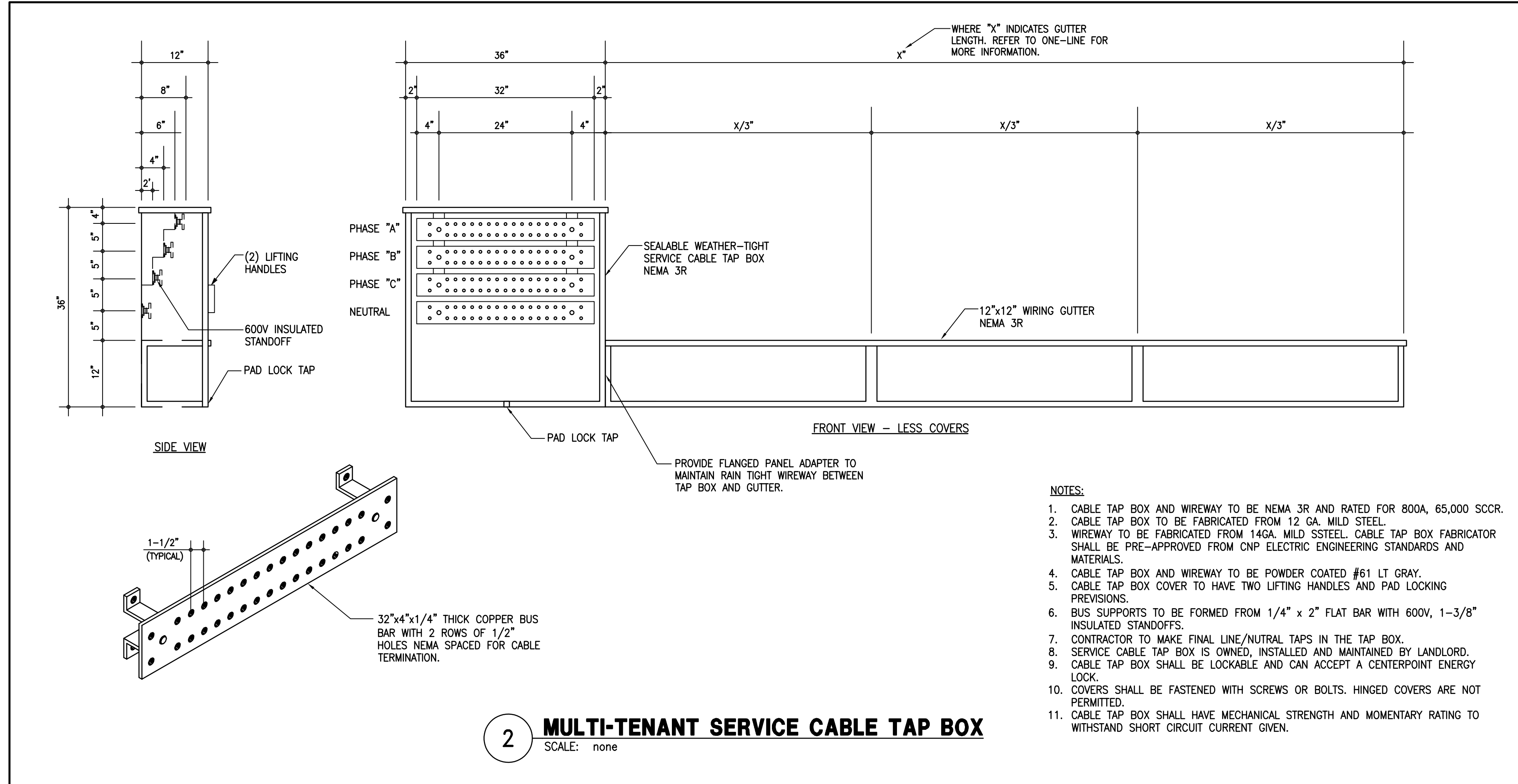
NEW PANELBOARD SCHEDULE											LA					
VOLTAGE	PHASE	WIRE	MCB (A)	MLO (A)	AIC RATING	MOUNTING SURFACE	LOCATION	REMARKS			NEMA ENCLOSURE					
120/208	3	4	30	10,000							3R					
LOAD TYPE LEGEND																
L	LIGHTING/CONT-LD	K	KITCHEN EQUIP	PROVIDE EQUIPMENT GROUNDING BUS AND FEED THRU AND/OR SUB FEED LUGS												
R	RECEPTACLES	E	EXISTING	PROVIDE (2) SECTIONS PANEL EACH SECTION IS 42 POLES												
M	MECHANICAL EQUIP	O	OTHER/MISC													
CKT #	LOAD DESCRIPTION	LOAD TYPE	WIRE SIZE	CONDUIT SIZE	CIRCUIT BREAKER	LOAD (VA)	PHASE	LOAD (VA)	CIRCUIT BREAKER	CONDUIT SIZE	WIRE SIZE	LOAD DESCRIPTION	CKT #			
1	IRRIGATION RECEPT	R	#12	3/4"	20A	1	500	A	360	1	20A-G	3/4"	#10	L	LTG PARAPET RECEPT	2
3	SPRINKLER RM LTG/REC	L	#12	3/4"	20A	1	200	B	360	1	20A-G	3/4"	#10	L	LTG PARAPET RECEPT	4
5	FACP	O	#12	3/4"	20A-L	1	400	C	400	1	20A	3/4"	#10	R	PARAPET RECEPT	6
7	SPARE				20A	1	0	A	400	1	20A	3/4"	#10	R	PARAPET RECEPT	8
9	SPARE				20A	1	0	B	0	1	20A				SPARE	10
11	SPARE				20A	1	0	C	0	1	20A				SPARE	12
13	SPARE				20A	1	0	A	0	1	20A				SPARE	14
15	SPARE				20A	1	0	B	0	1	20A				SPARE	16
17	SPARE				20A	1	0	C	0	1	20A				SPARE	18
CONNECTED LOAD ABOVE (VA)											TOTAL					
A			B			C			TOTAL							
1260			560			800			2620							
CONNECTED AMPACITY ABOVE (A)											TOTAL					
10.50			4.67			6.67			7.91							
LOAD TYPE	CONN. LD (VA)	PNL	PNL	PNL	CONN. LD (VA)	SIZING FACTOR	SIZING LOAD (VA)									
LIGHTING/CONT-LD	920	-	-	-	920	125%	1150									
RECEPTACLES	1300	-	-	-	1300	*	1300									
MECHANICAL EQUIP	0	-	-	-	0	100%	0									
KITCHEN EQUIP	0	-	-	-	0	100%	0									
#OF KITCHEN EQUIP	0	-	-	-	0	**	**									
EXISTING	0	-	-	-	0	125%	0									
OTHER/MISC	400	-	-	-	400	100%	400									
TOTAL CONNECTED (VA)					2620		SIZING TOTAL (VA) PER NEC									
CONNECTED AMPACITY (A)					7.27		SIZING AMPACITY (A) PER NEC									



ELECTRICAL SERVICE LOAD ANALYSIS	
BUILDING/SPACE SQUARE FOOTAGE:	14350.00
LOAD DESCRIPTION	(KVA)
ESTIMATED TOTAL LOAD @ 40W/SQ.FT.	574.00
HOUSE SERVICE:	
LIGHTING @ 125% PER NEC	9.34
RECEPTACLES @ (10KVA + 50%) PER NEC	1.30
HVAC @ 100% PER NEC	0.00
KITCHEN EQUIPMENT PER NEC	0.00
EXISTING @ 125%	0.00
MISCELLANEOUS @ 100% PER NEC	3.06
WATER HEATING @ 100%	0.00
LARGEST MOTOR @ 25%	0.00
TOTAL (KVA)	587.70
TOTAL (AMPS)	706.89
SERVICE SHALL BE 760A, 277/480V, 3PH, 4W	



1 ELECTRICAL ONE LINE DIAGRAM
SCALE: NONE



- NOTES:**
- CABLE TAP BOX AND WIREWAY TO BE NEMA 3R AND RATED FOR 800A, 65,000 SCRR.
 - CABLE TAP BOX TO BE FABRICATED FROM 12 GA. MILD STEEL.
 - WIREWAY TO BE FABRICATED FROM 14GA. MILD SSTEEL. CABLE TAP BOX FABRICATOR SHALL BE PRE-APPROVED FROM CNP ELECTRIC ENGINEERING STANDARDS AND MATERIALS.
 - CABLE TAP BOX AND WIREWAY TO BE POWDER COATED #61 LT GRAY.
 - CABLE TAP BOX COVER TO HAVE TWO LIFTING HANDLES AND PAD LOCKING PROVISIONS.
 - BUS SUPPORTS TO BE FORMED FROM 1/4" x 2" FLAT BAR WITH 600V, 1-3/8" INSULATED STANDOFFS.
 - CONTRACTOR TO MAKE FINAL LINE/NEUTRAL TAPS IN THE TAP BOX.
 - SERVICE CABLE TAP BOX IS OWNED, INSTALLED AND MAINTAINED BY LANDLORD.
 - CABLE TAP BOX SHALL BE LOCKABLE AND CAN ACCEPT A CENTERPOINT ENERGY LOCK.
 - COVERS SHALL BE FASTENED WITH SCREWS OR BOLTS. HINGED COVERS ARE NOT PERMITTED.
 - CABLE TAP BOX SHALL HAVE MECHANICAL STRENGTH AND MOMENTARY RATING TO WITHSTAND SHORT CIRCUIT CURRENT GIVEN.

JMF
Joseph M. Foster & Associates
5406 Ariel St.
Houston, TX. 77096
Phone 713 432 1428
Cell 713 817 2972
Email jmfassoc@comcast.net



SALASO'BRIEN
[expect a difference]
10930 W. Sam Houston Parkway N., Suite 900
Houston, Texas 77064
281.664.1900 | Registration No. F-4111
Project No. 315-190083

ENGINEER SEAL & LOGO:

SEDONA LAKES

STATE HWY. 249
TOMBALL, TEXAS 77377

PROJECT NAME & LOCATION:

ISSUED FOR	DATE
BID	-
PERMIT	-
CONSTRUCTION	-

REVISIONS

DATE	DESCRIPTION
06.05.19	FOR PERMIT

PROJECT NO.

SHEET TITLE
ELECTRICAL SCHEDULES, NOTES AND ONE-LINE DIAGRAM

SHEET NO.

E2.0

SHEET 4 OF 8