



GARY SHAW  
ARCHITECTS

design  
+  
planning

1821 margaret st.  
austin, texas 78704  
off: (512)416-8471  
fax: (512)416-8478



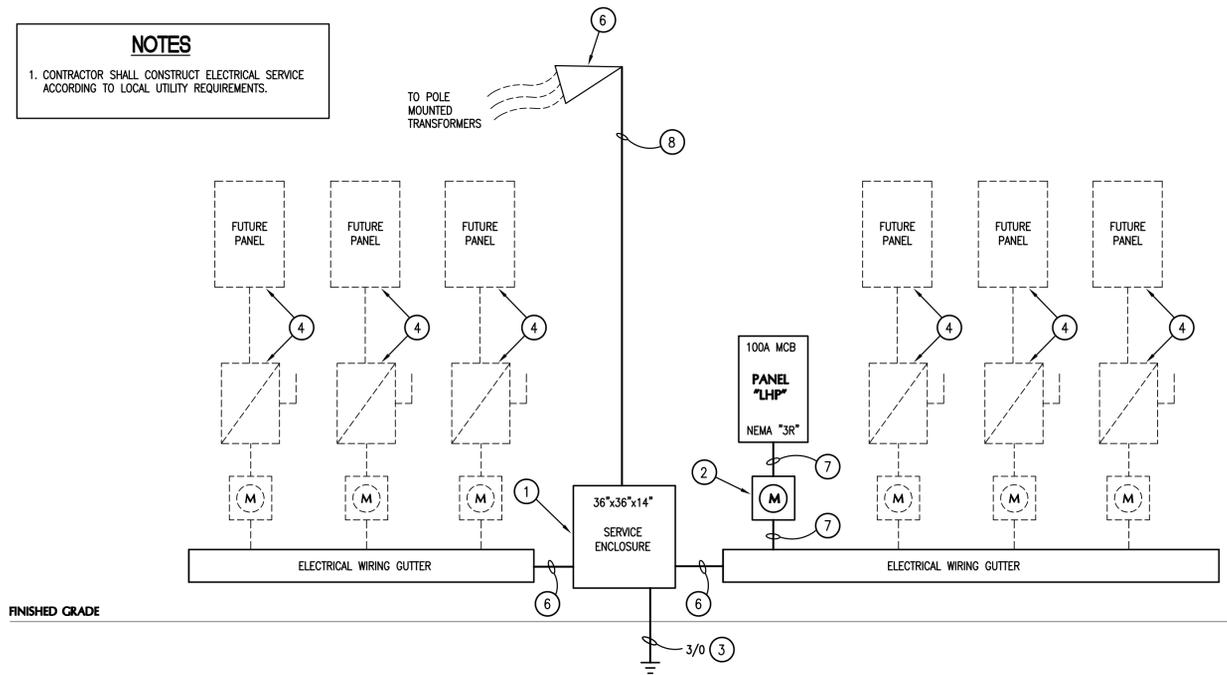
ELECTRICAL DESIGN LOAD SUMMARY		
LOAD SERVED	CONNECTED LOAD (KVA)	DEMAND LOAD (KVA)
STANDARD LEASE: 12,840 SF. @ 30VA =	385.2	385.2
EXTERIOR LTG:	2.8	3.5
<b>TOTALS</b>	<b>388.0</b>	<b>388.7</b>

1 SERVICE =  $\frac{388.7 \text{ KVA}}{208V \times \sqrt{3}} = 1076.7 \text{ AMPS}$

THEREFORE PROVIDE A 1200 AMP, 120/240 VOLT, 1-PHASE, 3-WIRE SOLIDLY GROUNDED ELECTRICAL SERVICE. THIS INCLUDES A 25% GROWTH FACTOR.

PANEL "LHP" PANEL: 3Ø, 4W, 120/208 VOLT NEMA: 3R  
LOCATION: SEE PLAN ISCR: 22K  
SURFACE MTD. 100 AMP M.C.B.

Ckt. No.	Circuit Use	C.B.	VA Load/Phase			C.B.	Circuit Use	Ckt. No.
			A	B	C			
1	EXTERIOR LIGHTING	20/2	698	698		20/2	EXTERIOR LIGHTING	2
3			698	698				4
5	2-RECEPT.	20/1		360	500	20/1	EXT. LIGHTING TIME CLOCK	6
7	SITE SIGNAGE		500	180			1-RECEPT.	8
9	SPARE						SPARE	10
11	EXTERIOR LIGHTING			300	245		EXTERIOR LIGHTING	12
13	SPACE	1P				1P	SPACE	14
15								16
17								18
19								20
21								22
23								24
25								26
27								28
29								30
31								32
33								34
35								36
37								38
39								40
41								42
			2.0	1.4	1.4	TOTAL KVA		



**NOTES**  
1. CONTRACTOR SHALL CONSTRUCT ELECTRICAL SERVICE ACCORDING TO LOCAL UTILITY REQUIREMENTS.

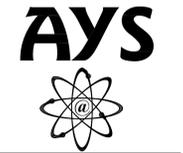
- KEYED NOTES:**
- SERVICE ENCLOSURE 36"x36"x14" IN ACCORDANCE WITH LOCAL ELECTRIC COMPANY STANDARDS.
  - ELECTRICAL SERVICE METER PER LOCAL ELECTRIC COMPANY REQUIREMENTS.
  - PROVIDE A CONCRETE ENCASED GROUNDING ELECTRODE AS PER THE NEC AND LOCAL CODES.
  - FUTURE PANEL & FUSED DISCONNECT TO BE PROVIDED UNDER THE TENANT FINISH-OUT CONTRACT.
  - WEATHER HEAD IN ACCORDANCE WITH LOCAL ELECTRIC COMPANY.
  - 4- 4" E.C.
  - 4 #1 & 1 #6 GND. IN 1 1/2".
  - 4-SETS: 4 #350 EACH IN 4".

**1 ELECTRICAL RISER DIAGRAM**  
SCALE: NOT TO SCALE

KENEDY RETAIL

131 BUSINESS  
PARK DRIVE  
KENEDY, TEXAS  
78119

project no.	167.1201
date	11/19/12
scale:	NO SCALE
revisions	



Engineering, LLC  
MEP CONSULTING ENGINEERING  
203 E. Main Street, Suite 204 - Round Rock - TX 78664  
www.AYSEng.com - 512-961-6835  
TDPE Form 1-10298

ELECTRICAL  
RISER DIAGRAM  
sheet no.

E3.0