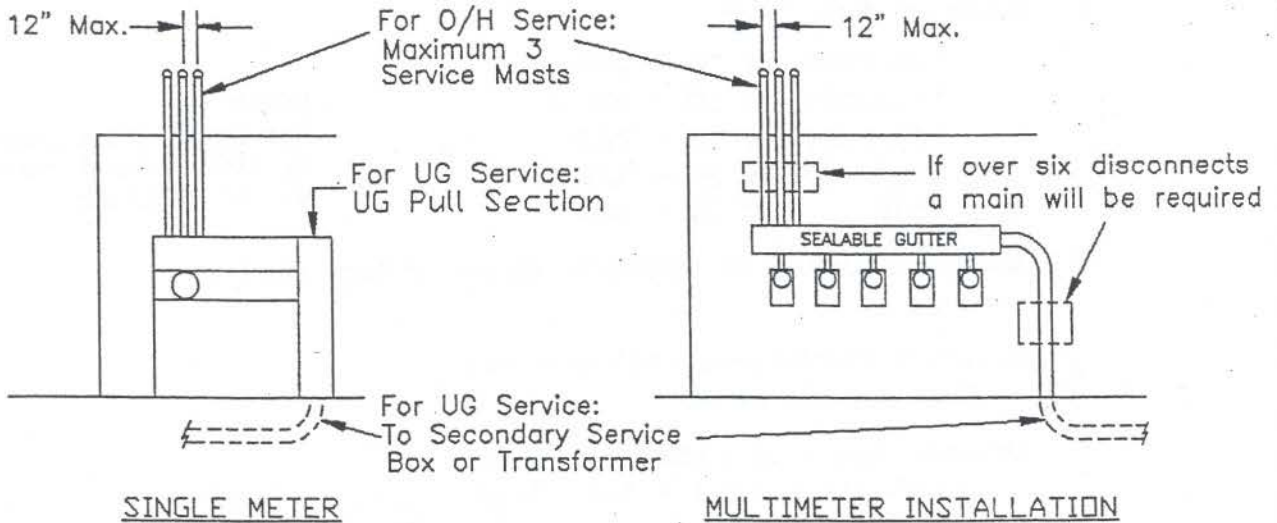


GENERAL REQUIREMENTS

1. Prior to starting any new service installation, or making any changes to existing service(s), Customer shall fill in "Load Survey and Information Sheet" (ED-205) and return to the City of Santa Clara, Electric Department, Design Section, Telephone (408) 984-3161.
2. City Electric Department Design Section will determine the service point, service type (overhead or underground) and available service voltage.
3. For overhead service, the following requirements, as shown below and on sheets 2, 3, and 4, shall apply. (Note: For underground service, requirements are covered in Engineering Standard UG 1000.)
4. Typical arrangement of service mast(s), main(s), and meter(s) for all new service installations or rework (modifications) of existing installations, shall be as shown.



5. All meters shall be grouped at one location approved by the City Electric Department, Design Section. The City shall have direct and unrestricted access to the meters at all times. The meters may be installed outside (preferable), or inside in a specially designated Utility Room with direct outside access.
6. Meter installation heights shall comply with the following:
 Meters installed Outdoors: Min. 48"; Max. 75"
 Meters inst. in a Cabinet or Indoors in a meter room: Min. 36"; Max. 75"
 Meter height shall be measured from the ground or standing surface to the meter center line.
7. On all commercial installations (0-200A) the customer shall furnish an approved manual Test-By Pass.
8. For metering requirements and approvals, contact Electric Department Meter Shop, Telephone (408) 984-3050.

3	3/18/92	Added meter hts., dwg on CAD		4	7/27/93	Added Note 7	
5	8/18/95	Modified rev no.	P.G.	2	12/13/89	Revised. Chngd dwg no. C022168	MJK
REV	DATE	DESCRIPTION	APPRVD	REV	DATE	DESCRIPTION	APPRVD
DESIGNED BY: P. GRECO		ELECTRIC SERVICE REQUIREMENTS OVERHEAD ELECTRIC DEPARTMENT CITY OF SANTA CLARA			DRAWN BY: WPS		
APPROVED BY: P.H.E.					DATE: 3/10/86		SCALE: NTS
					SHT 1 OF 4		
					DRAWING NUMBER		REV
					OH 550		5

OVERHEAD SERVICE REQUIREMENTS

1. Service Voltages Available:

For Single Family Residential:

120/240V 3W 1Ø
120/208V 3W 1Ø

For Multiple Family Residential:

120/240V 3W 1Ø (in most cases)
120/208V 3W 1Ø

For Industrial Commercial:

120/208V 4W 3Ø
120/240V 4W 3Ø
480V 3W 3Ø

(Note: 480/277V is available only with an underground service).

2. Maximum Main Size:

120/208V 3W 1Ø - 200A
120/208V 4W 3Ø - 1200A
120/240V 3W 1Ø - 200A
120/240V 4W 3Ø - 1200A
480V 3W 3Ø - 600A

NOTE:

For larger main sizes an Underground Service will be required.

3. Maximum number of weatherheads per voltage class:

Three

4. Maximum weatherhead conductor size:

750 MCM CU or AL

5. Minimum length of weatherhead tails:

4'-0" - Commercial & Industrial 2'-0" - Residential

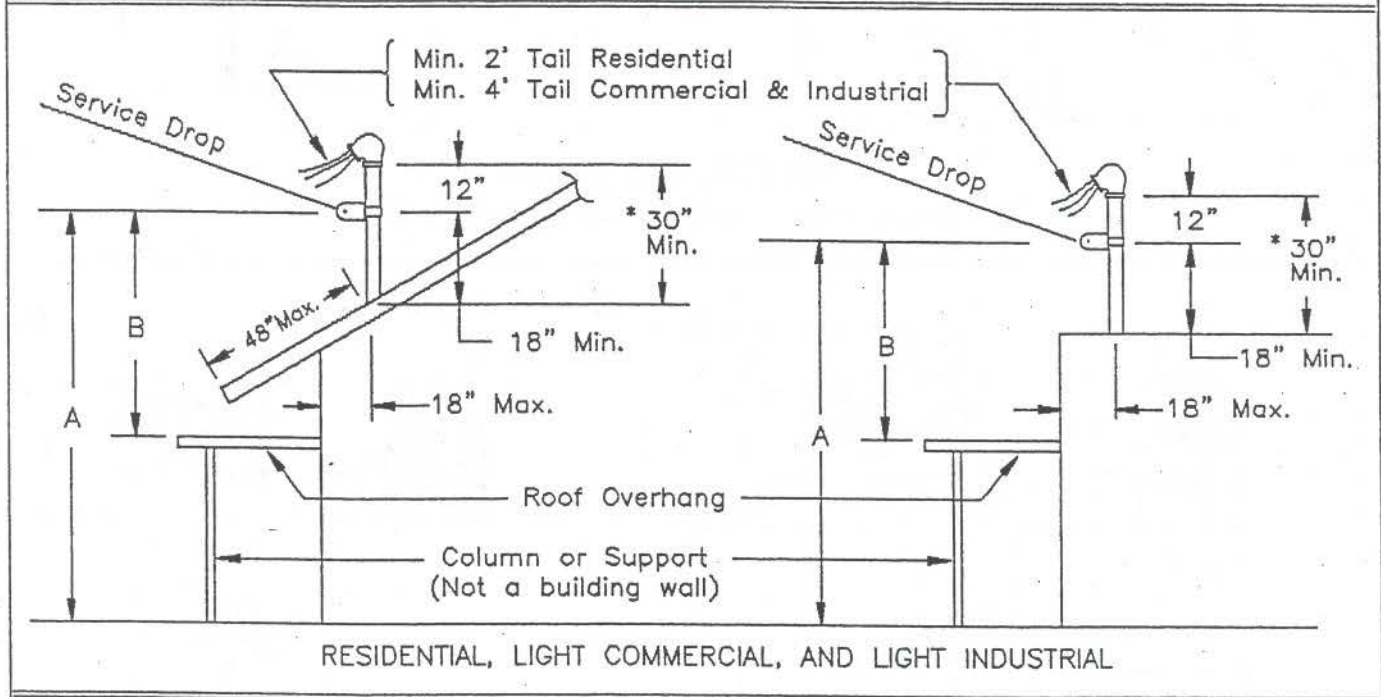
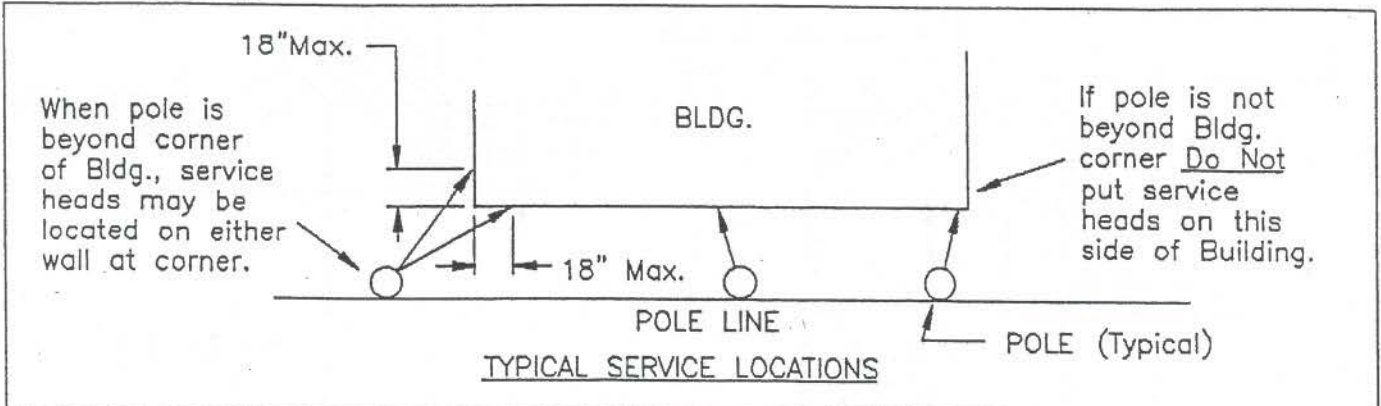
6. City will not connect more than 4 conductors per phase and neutral.

7. Obtain service racks from City of Santa Clara Service Center at 1705 Martin Ave. in Santa Clara. Size of rack(s) and location to be determined by City Electric Department, Design Section. Obtain Estimate Number from the Design Section prior to obtaining racks.

8. Point of service attachment, whether on Building, Service Masts, or build-up structure, shall be capable of safely supporting the strain imposed by the service drop.

9. Service Mast shall be a continuous piece of rigid electrical conduit, min. of 1-1/4". Couplings will not be permitted.

3	3/18/92	Rev. service voltages, dwg on CAD		4	7/27/93	Chg. residential tails to 2'-0".	
5	6/14/95	Revised note 9	P.G.	2	12/13/89	Revised. Chngd no. from C022168	MJK
REV	DATE	DESCRIPTION		REV	DATE	DESCRIPTION	APPRVD
DESIGNED BY: P. GRECO		ELECTRIC SERVICE REQUIREMENTS OVERHEAD ELECTRIC DEPARTMENT CITY OF SANTA CLARA				DRAWN BY: WPS	
APPROVED BY	DATE					SCALE: NTS	DATE: 7/93
P.H.E.	3-10-86					SHT 2 OF 4	
						DRAWING NUMBER	REV
						OH 550	5



DIMENSIONS FOR SHEETS 3 & 4

RESIDENTIAL:

- "A" Dimension = 12'-0" Min. over driveway
10'-0" Min. over pedestrian-only area
- "B" Dimension = 8'-0" Min. over walkable roof
2'-0" Min. over non-walkable & non-metallic roof

COMMERCIAL AND INDUSTRIAL

- "A" Dimension = 18'-0" Min. over street, private driveway and/or area where vehicles can be driven
12'-0" Min. over pedestrian-only area
- "B" Dimension = 8'-0" Min. over walkable roof
2'-0" Min. over non-walkable & non-metallic roof

* If this dim. exceeds 30" bracing shall be required.

3	3/18/92	Dwg. on CAD		4	7/27/93	Added non-metallic & 30' dim.	
5	6/13/95	Rearranged Dim. & Dwg.	P.G.	2	12/13/89	Revised. Chngd dwg no. from C022168	MJK
REV	DATE	DESCRIPTION	APPRVD	REV	DATE	DESCRIPTION	APPRVD
DESIGNED BY: P. GRECO		ELECTRIC SERVICE REQUIREMENTS OVERHEAD				DRAWN BY: WPS	
APPROVED BY	DATE					SCALE: NTS	
P.H.E.	03/10/86	CITY OF SANTA CLARA		ELECTRIC DEPARTMENT		SHT 3 OF 4	
				DRAWING NUMBER		REV	
				OH 550		5	

