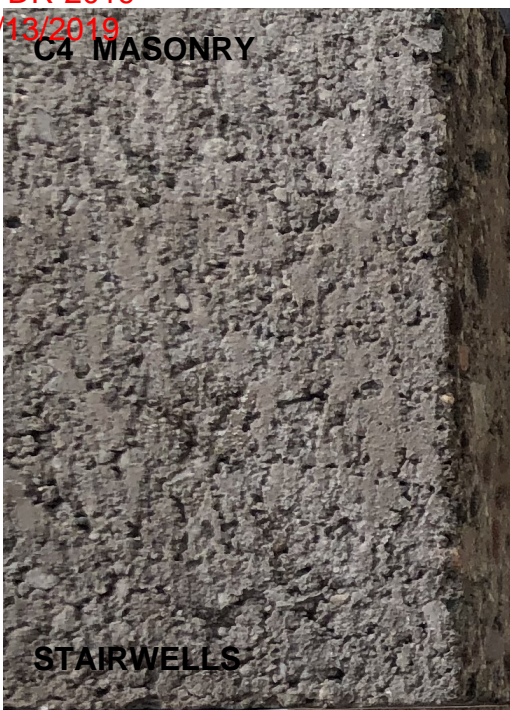




Archaeological Resources  
Airport Vicinity Development Checklist  
Parking Study  
Trip Generation Comparison  
Parking Master Plan



C4 MASONRY



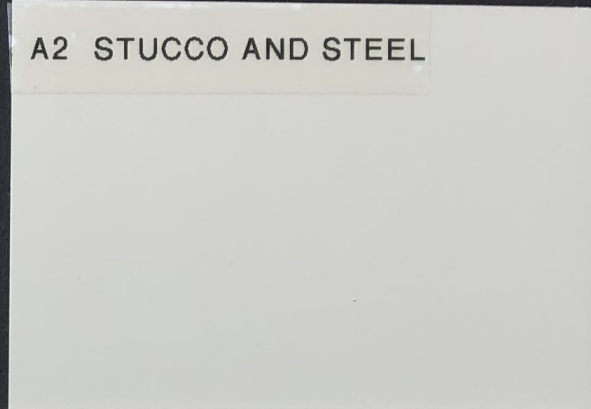
STAIRWELLS

PAVERS

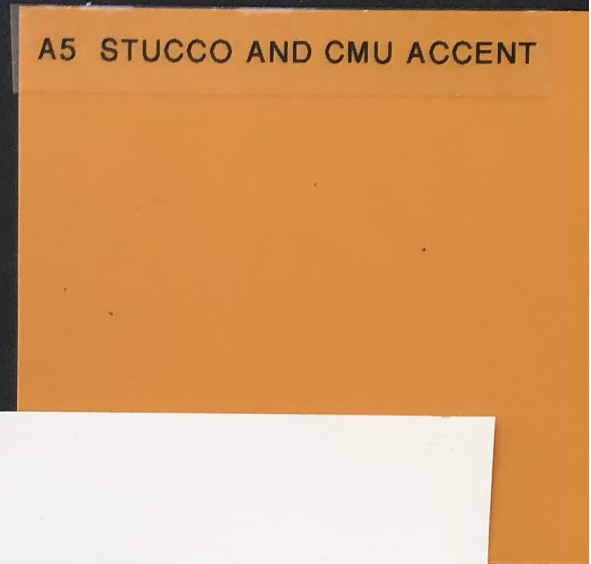
D1 METAL SIDING



A2 STUCCO AND STEEL



A5 STUCCO AND CMU ACCENT



A1 STUCCO MAIN FIELD



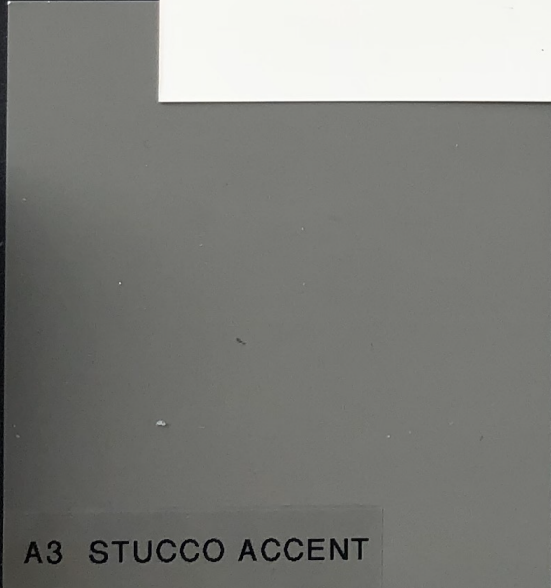
D1 D2 STOREFRONT AND WINDOWS

C1, C2 & C3 MASONRY



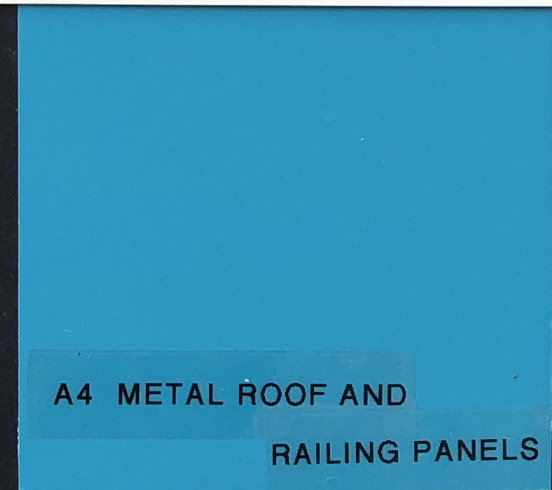
BUILDING BASE AND SITE WALLS

A3 STUCCO ACCENT

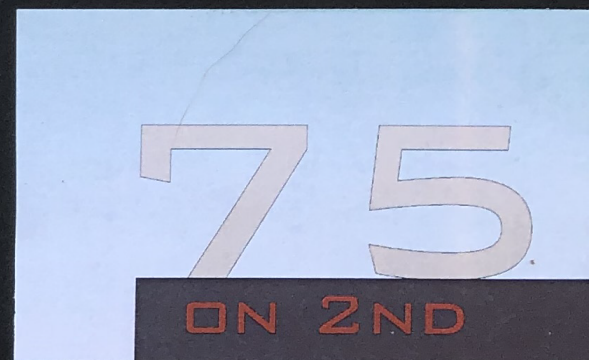


A4 METAL ROOF AND

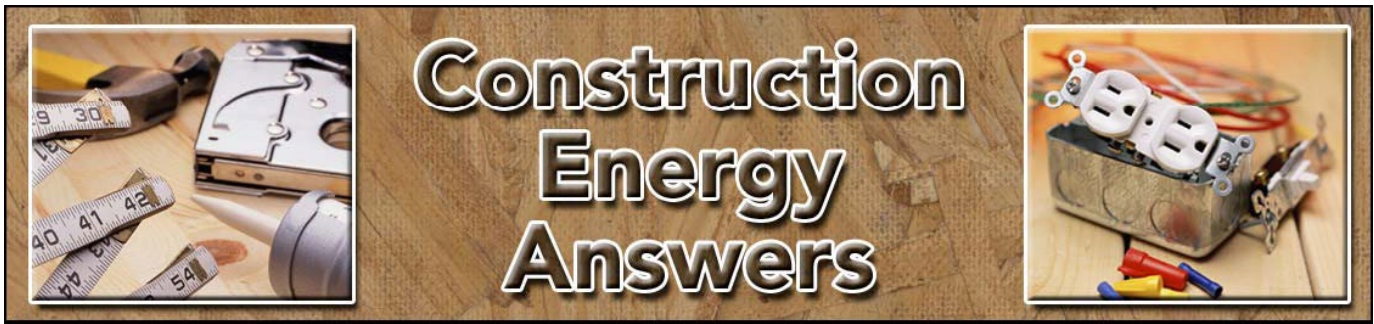
RAILING PANELS



75  
ON 2ND







## How to Obtain Electric Service for Your New Business

Our goal at APS is to make the installation of electric lines and equipment to serve your new business facility as easy as possible. In order to help us meet your needs, within your required time frame, we recommend you involve an APS representative as early in the design phase of your project as possible.

We hope you'll find the following information helpful, and we look forward to serving you.

### Summary of Construction Process

You (or your developer) contact an APS representative and meet to review the scope of your project and any other pertinent requirements.

#### During the meeting, we'll discuss:

- A review of your building site plan
- Power requirements (voltage/electrical loads largest motors/plans for the future)
- Potential routes for overhead and underground power lines
- Proposed locations for APS ground mounted equipment and their associated working space requirements
- Location(s) of your service entrance equipment (To avoid excess service line charges, 277/480V service entrance sections (SES) need to be within 40' of the APS transformer and 120/208V SES need to be within 20' of the APS transformer.)
- Trench and conduit installation requirements, if any
- Temporary construction power requirements, if any
- Right-of-way, easement and permit requirements
- Specific field problems (access for heavy equipment)
- Time table for subsequent events
- Any applicable city, county, state and federal requirements
- APS and municipality inspections and clearances

### Typical Sequence of Events You Can Expect in Getting Service to Your Facility

- APS prepares designs and cost estimates for installation of APS' facilities
- APS reviews project's costs to determine economic feasibility
- APS prepares necessary agreements and easements for APS facilities
- Agreements and/or easements are signed and any necessary payments are made
- APS schedules construction of electric facilities

- If underground facilities are being installed, a mutually agreeable trench opening date is established
- APS inspects customer-provided trench, conduit and related customer electrical equipment (A minimum of 24 hour's notice is needed prior to all APS inspections.)
- The trench must also be completely backfilled, compacted and pass APS final inspection prior to installation of APS facilities.
- All city, county and state final clearances must be received by APS at least one working day prior to meter installation.

## Once the Process Begins, We Each Have Responsibilities

### Design Stage

- You are expected to provide sufficient notice of intent to build. (Large projects and projects requiring three-phase power tend to require longer lead times.)
- You need to incorporate space requirements for APS' electrical padmount equipment into your project design plans.
- You are to provide preliminary scheduling information during the planning stage, i.e. trenching dates, in service dates.
- APS engineering design can begin when adequate drawings are provided by you (AutoCAD disk, if possible). The drawings you or your contractors supply need to include all of the following:
  1. Electrical load calculations
  2. An electrical plan showing the location of the SES for your facility
  3. Electrical service entrance section drawings with official street address on copies (must be sent to the APS Electrical Meter Shop prior to the beginning of construction) – If a meter room is proposed, a detailed dimensional drawing needs to be submitted and approved by APS prior to the start of your construction.
  4. Water, sewer, telephone, cable television and any other sub-grade obstruction
  5. Curb, gutter, drainage, grading and paving plans
  6. Landscaping (including retention basins) and sprinkler plans
  7. A copy of the deed for the property requiring electric service
  8. All control/survey drawings

### Preconstruction Stage

- APS develops engineering design of APS electrical system up to your SES
- You obtain all necessary permits from the appropriate inspection authority
- APS prepares agreements and easements for you to sign (Depending on the scope of your project, you may need to pay refundable and/or non-refundable charges.)
- You sign the necessary agreements
- APS reviews service entrance section drawings for approval
- APS specifies the trench and equipment locations
- You provide property corners and grade stakes (Blue Tops) at all proposed equipment locations
- APS surveys and stakes the trench and equipment locations



## Construction Begins

- If underground facilities are being installed, you must complete all trenching and conduit installations per APS' design.
- You provide trench, conduit, three phase transformer pads and install any APS supplied materials
- APS provides single phase transformer pads, vaults, pullboxes, J-boxes and manholes, etc.
- An APS representative will inspect and approve the trench and conduit installation to ensure compliance with APS design requirements.
- You make any necessary corrections and an APS representative will perform a final inspection.
- Your APS representative will schedule crew(s) for facility construction to begin after trench and pad inspections are approved and the electric service entrance section (SES) is installed.

## Meter Panel/SES Location/Specifications

The following is a brief summary of your meter panel requirements. Detailed information is available from your local APS representative.

- APS reserves the right to determine the preferred location of the SES at your facility.
- All installations of service entrance sections (SES) shall comply with the standards contained within the Electric Service Requirements Manual (E.S.R.M.) available on our Web site. Visit "Construction Corner" on [aps.com](http://aps.com).
- Generally, all self-contained (200A SES and below) installations require safety test blocks.
- A minimum of three feet working clearance must be allowed in front of the SES.
- Prior to the beginning of construction, all meter room installations must be approved by an APS representative.
- The SES shall be accessible at all times for construction and continued maintenance of the service line. This often requires the use of large construction vehicles.
- The meter shall be accessible for meter reading, resetting, testing and maintenance without requiring passage through restricted private areas, gates or fences.

## How to Acquire a Billing Account and Meter Installation

1. Call the APS Business Line two weeks prior to your desired meter installation date to establish a billing account – 602-371-6767 in metro Phoenix and 800-253-9407 outside metro Phoenix.
2. Call your APS Customer Project Manager to schedule meter panel inspection. (Call at least 48 hours in advance.)
3. APS inspects meter panel to see if it meets APS specifications. If specifications are met, APS approves the panel.
4. You obtain city or county electrical clearance.
5. When city and/or county electrical clearance is received by APS, the installation of your meter will be scheduled.

APS is your partner during this process. Please feel free to contact your APS representative at any time. Call 602-371-6867 in metro Phoenix, 800-253-9407 outside metro Phoenix, or visit the "Construction Corner" on [aps.com](http://aps.com).