

Chiricahua Astronomy Complex

Rules of Use

J. Kalas

11/15/17

- DO NOT duplicate the site keys. DO NOT lose the site keys. The site keys are to be returned to and locked inside the key safe when you leave the site.
- NO alcoholic beverages are permitted on the site.
- NO open fires or charcoal grilles are permitted on the site. Gas stoves are permitted.
- NO electric generators are allowed to be used on the site during dark hours.
- Cigarette butts are to be disposed of by the individual. DO NOT throw them on the ground. Be careful, the fire danger is high at the site.
- Pets are allowed as long as they are leashed at all times. The pet owner is responsible for cleaning up after their pet.
- Please keep the site clean.
- Be considerate of the neighbors in the area and DO NOT make excessive noise, particularly at night.
- Close the gate when inside the complex. Gates left open, particularly at night, invite grazing cattle to enter. If sleeping over at the site, you may lock the gate for security when you turn in.
- Parking is only permitted on the graveled or concrete parking spaces (30 total), on the graveled loop drive or on the Roll-off Roof Observatory graveled parking space.
- RV's or campers should be parked in the RV Area.
- If there are no handicapped persons in your party, you may use the concrete handicapped parking spaces for parking or telescope set-up.
- Electric power is available to each of the ten (10) concrete telescope pads. Turn on the power to the pads by accessing the electric power panel on the north outside wall of the Wallace E. Rogers Observatory using the "ML" key. Electric power is also available on the meter pedestal near the bathroom facility. The access panel is locked with a small padlock and may be opened using the "ML" key. There is a 100' long extension cord in the utility room which may be used to run electric power from the pedestal out to the nearest parking spaces.
- The interior bathroom and shower room lights are automatically controlled by motion sensors. The lights and exhaust fans will come on when you open the doors. DO NOT press the wall switches. It will turn off the automatic operation of the lights and fans. When you are done using the bathroom/shower, simply leave. The lights and fans will time out and go off in approximately 5 minutes.
- One of the bathrooms, marked with signs, contains a First Aid Kit and a Fire Extinguisher.
- Bathroom supplies, such as toilet paper, paper hand towels, hand soap and cleaning supplies are stored in the utility room along with a microwave oven.
- DO NOT throw anything but toilet paper down the toilets. DO NOT dispose of any chemicals down the outside water fountain, sinks, toilets or the floor drains in the bathrooms.

- The four bathroom facility outdoor red lights are all controlled by a wall switch inside the utility room. It is recommended that you turn these lights on when it gets dark.
 - Any garbage that you bring into the site you must take out with you when you leave. There is no garbage service for the complex. DO NOT throw any perishable refuse (food, etc.) into the bathroom facility wastebaskets. Take it home with you.
 - Be aware that there are "critters" on the site, such as Mohave rattlesnakes, so be careful where you walk, particularly in the undeveloped, grassy areas. It is strongly recommended that you stay within the developed areas, particularly at night. **NOTE: Use a red flashlight to navigate the site at night.**
 - Tent camping is permitted in the open areas around the parking lot.
 - The TAAA Member who requested use of the site is responsible for locking all doors, padlocks and the gate when leaving the site even if you intend to return to the site later.
 - Report any damage or suspicious situations to the Site Director immediately.
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Site Director

Name: Mike McDowell
Cell Phone: (520) XXX-XXXX

CAC Site Address

9315 E. Perseus Way
Pearce, AZ 85625

CAC Site Location

½ mile south of Route 181, approximately ¼ mile east of S. Price Ranch Road

Local Emergency Phone Numbers

Emergency: 911
Sherriff's Dept.: (520) 432-9502 (dispatch out of Bisbee)
Border Patrol: (520) 384-4424 (Willcox Field Station)

Chiricahua Astronomy Complex (CAC)
Security System Description
J. Kalas
11/22/17

NOTE: It is required that all members notify the CAC Director when they want to use the site; for both scheduled monthly club star parties and for private use. It is important for the club to know exactly who is on the site at any given time.

A security system has been installed at the CAC Site. The system makes it easier for members to access the site and it reduces the coordination effort of the CAC Director. Members wishing to use the site will be required to contact the CAC Director via e-mail or phone to make a reservation. The CAC Director will issue two, three, or four combination codes to the member. It will be the responsibility of the member to record the combinations, keep them confidential and take them to the site with them. **DO NOT share the combinations with any other person, including TAAA Members.** One combination will be used to open the gate padlock. Another combination will open the key safe mounted on the center post of the bathroom facility porch allowing access to a set of keys for most of the site. A possible third combination will allow access to the Wallace E. Rogers Observatory (WRO) and the Amphitheater storage container. A possible fourth combination will yield access to the Reynolds-Mitchell Observatory (RMO) 40" telescope .

All of the combination codes can be changed easily and they will be changed, if necessary. Members should not assume that the combination codes that they used previously to access the site will still be in effect. Every time a member wishes to use the site, he or she must contact the CAC Director and confirm the combinations.

The black combination gate padlock is installed padlock-to-padlock-to-padlock with the original chrome keyed padlock and an SSVEC brass padlock (see photo). The reason for this configuration is to allow emergency access to the site by contractors who built the complex and the power company, SSVEC. The contractors have keys to select areas of the site including the chrome keyed padlock and will not require notification of combination code changes. After unlocking the black combination padlock, loop the chain with padlocks over the top rail of the left hand gate and relock the padlocks together so they cannot be stolen. When you are preparing to leave the site and lock the entry gate, reset the four thumbwheels of the black padlock to zeros, so it will be difficult for anyone to guess the combination.

The key safe contains two complete sets of keys with yellow lanyards for the site and special small lockboxes for the WRO Observatory and Amphitheater keys on a red lanyard (see Key Identification photos) and the RMO 40" telescope on a black lanyard. The key safe is mounted inside a weatherproof enclosure to protect the safe's electronics from moisture damage (see photo). After removing the required keys from the key safe, relock the key safe by closing the key safe door and turning the knob counterclockwise. Check to ensure the safe is locked. Should the member leave the site, even temporarily, the key safe and the gate must be locked. When a member leaves the site permanently, all of the locks that were opened during the site use (doors and padlocks) must be relocked and the set(s) of keys he or she was using must be returned to the lockbox and/or key safe and the key safe must be locked. Close and latch the weatherproof enclosure.

NOTE: PLEASE DO NOT TAKE THE KEYS HOME WITH YOU.

CAC Security System Description (Cont.)
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Chiricahua Astronomy Complex – Key Identification
Yellow Lanyard in Key Safe (2)
(Revised 11/22/17)



Bathroom Facility Key
(BX)

(All four doors keyed alike)



Master Padlock Key
(MLX)

(Various padlocks in complex)



Storage Container #1 Key
(SCX)

(Member equip. storage)



Storage Container #2 Key
(2SCX)
(Member equip. storage)



Well House Handset Key
(WX)
(RV water access)



Well House Deadbolt Key
(WDX)
(RV water access)

Chiricahua Astronomy Complex – Key Identification Yellow Lanyard in Key Safe (2) (cont.) (Revised 11/22/17)



Reynolds-Mitchell Observ.
Warm Room Key
(RMOWRX)
(Deadbolt)

Chiricahua Astronomy Complex – Key Identification

Red Lanyard in Small ROR Lockbox in Key Safe

(Revised 11/22/17)



**Wallace E. Rogers Roll-off
Roof Observatory Key**
(RoRX)
(Deadbolt)



Master Padlock Key
(MLX)
(W.E.R. Roll-off Roof Observ.
Electrical Panel & South
Flip-Up Roof Panel)



**Amphitheater Storage
Container Key**
(ASCX)
(Club equip. storage)

Chiricahua Astronomy Complex – Key Identification

Black Lanyard in Small RMO Lockbox in Key Safe

(Revised 11/22/17)



Reynolds-Mitchell
Observatory Telescope
Roll-Off Shed Key
(RMOTX)



Master Padlock Key

(RMOMLX)
(Ladder & storage cabinet)

Chiricahua Astronomy Complex Security System Instructions

J. Kalas 11/21/17

1. Open the protective enclosure containing the key safe and sign in on the CAC Site Attendance Logsheet on the small clipboard above the key safe.
2. Read the Rules of Use posted inside the door of the protective enclosure and acknowledge reading and accepting the rules on the Attendance Logsheet.
3. Use the combination code issued to you by the CAC Director to open the key safe. Input the combination code, listen for the "beep" and turn the knob clockwise to open the safe.

NOTE: The key safe is equipped with a low battery indicator; a red light on the upper left side of the keypad. While entering the combination and opening the safe, if the red light comes on indicating the batteries are getting weak, advise the CAC Director so the batteries can be changed.

4. Remove one of the two sets of keys on the yellow lanyards. If required, open the small lockbox(es) and remove any other set(s) of keys required.
5. Refer to the Key Identification sheet(s) hanging on the inside of the key safe enclosure door that contain pictures of the various keys and their application around the site.
6. Keep the keys with you while you are present at the site.
7. After you remove the required keys, relock the key safe by closing the safe door and turning the knob counterclockwise. Keep the outer door of the weatherproof enclosure closed at all times.
8. If you temporarily leave the site, the key safe and the gate must be locked.
9. When you are ready to leave the site permanently, re-lock all doors and padlocks on the site that you may have opened, place the set(s) of keys back into the lockbox and/or key safe and lock the key safe by closing the door and turning the knob counterclockwise. Sign out on the CAC Site Attendance Logsheet. Close the weatherproof enclosure door.
10. On the way out, close the gate and lock the combination padlock onto the keyed padlock and the brass SSVEC padlock. Turn all four number thumbwheels on the combination padlock to zeros to discourage anyone from figuring out the combination easily.
11. Have a safe trip home.

Procedure for Use of the RV Area

6/5/16

J. Kalas

NOTE: The four RV lanes are equipped with electric hook-ups only. Water is available in the well house (see "Water" procedure below). Dumping septic waste is **not** permitted on the site. Septic waste must be transported off-site. If necessary, obtain a set of keys on a yellow lanyard from the keysafe at the bathroom facility. Return the keys before you depart the CAC Site.

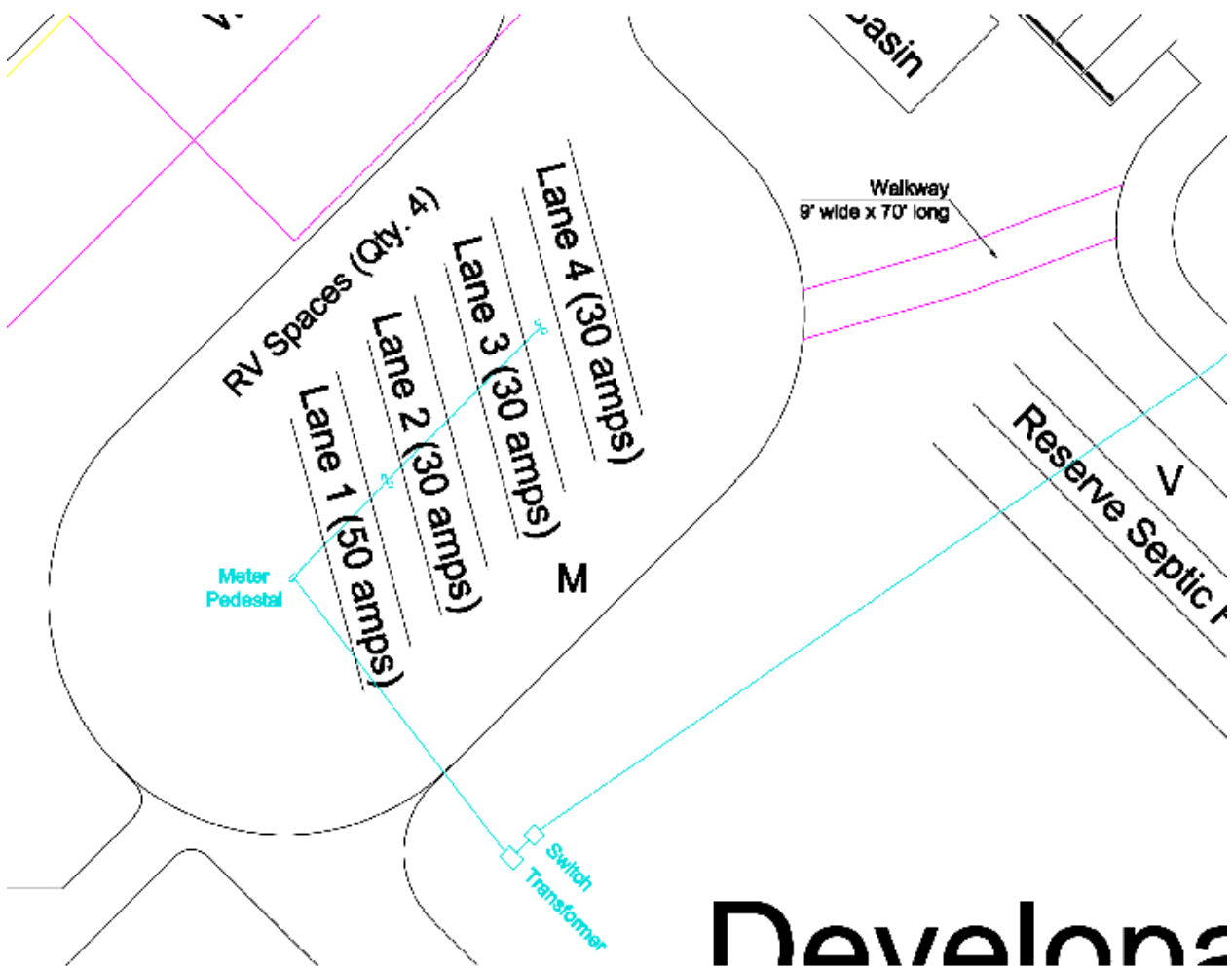
Water

1. If you would like to fill up your water holding tank(s), stop on the RV Area entry drive next to the well house. Unlock the well house door handset with the "W~~X~~" key and the well house door deadbolt with the "WD~~X~~" key where ~~X~~ is a number assigned to each particular key.
2. Inside the well house is a garden hose on a hose reel elevated on a wooden platform. Pull the hose out the well house door and over to your RV water holding tank(s). Insert the end of the hose into your tank inlet. Turn on the water using the valve in the well house. When your water holding tank(s) are full, turn off the water using the valve in the well house. Retract the hose back onto the hose reel in the well house.
3. If you turned the light on inside the well house, turn off the light. Lock the handset by turning the lever on the inside doorknob. Close the door and test that the handset is locked. Using the "WD~~X~~" key, lock the deadbolt.

Lane Selection and Hook-up

NOTE: The southernmost lane (closest to the electric panel) is equipped with a 50-amp service. The other three lanes are equipped with 30-amp services. Although not marked, the lanes run at an angle from northwest to southeast on either side of the electric pedestals. See diagram below.

- Using the "ML~~X~~" key, open the Master padlock on the electric panel and remove the padlock from the locking latch. Pull the locking latch toward you and the panel door should drop slightly allowing you to open the panel door. Review the diagram on the inside of the panel door. The diagram indicates which lane has the 50-amp service and which lanes have the 30-amp services.
- Decide which lane you would like to use and turn on the corresponding circuit breaker switch for that lane. If you would like to also use the 120v receptacle in your lane's pedestal, turn on its separate corresponding circuit breaker switch.
- Pull your RV into that lane with the side of your RV having the electric hook-up adjacent to the electric pedestal.
- If you only need a 30-amp service but are forced to use the 50-amp lane and you do not have a 50-amp to 30-amp adapter, there is such an adapter on the shelf in the well house. If you use the club's adapter, please return it to the well house when you leave the RV Area.



Developments