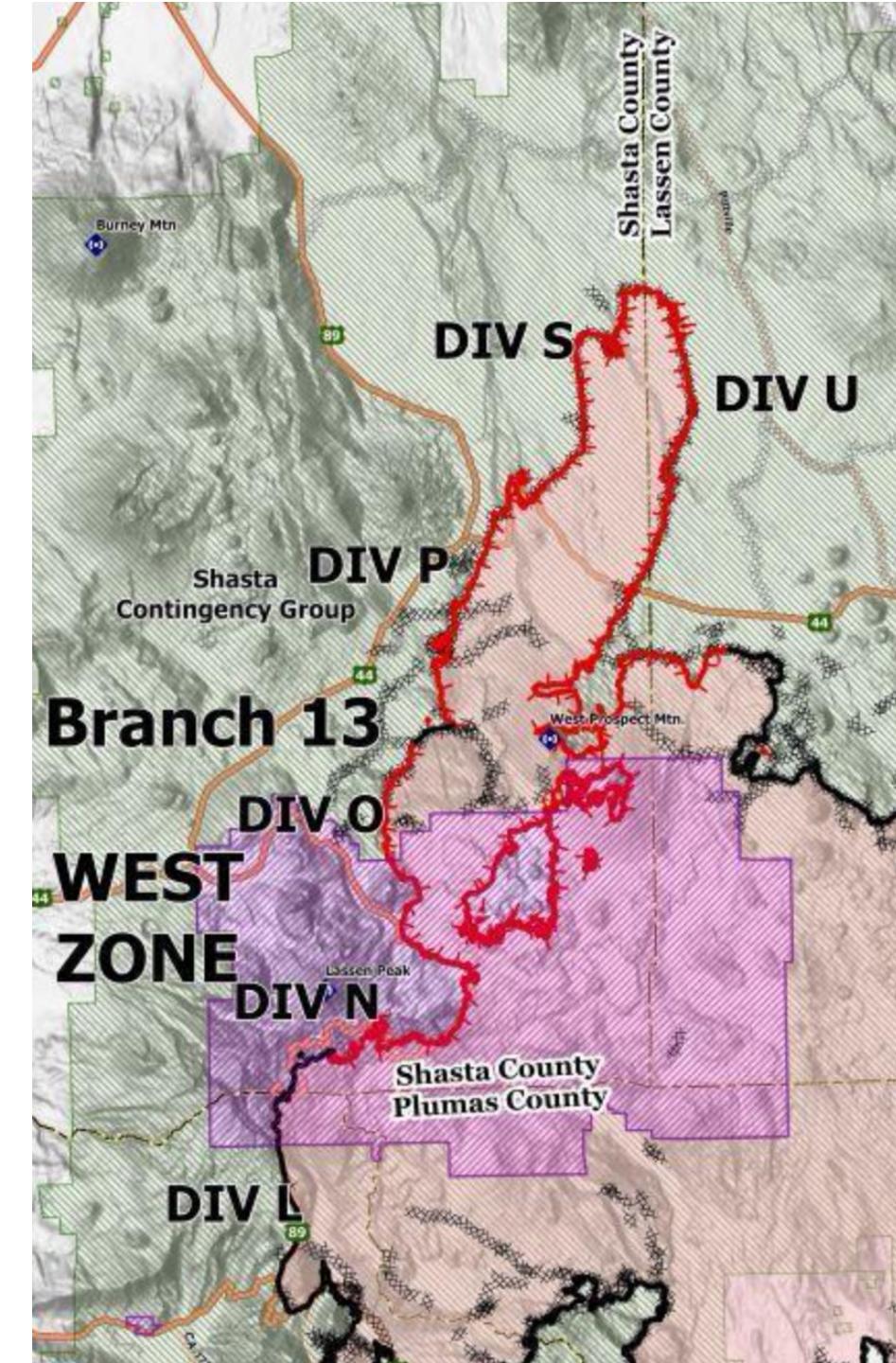
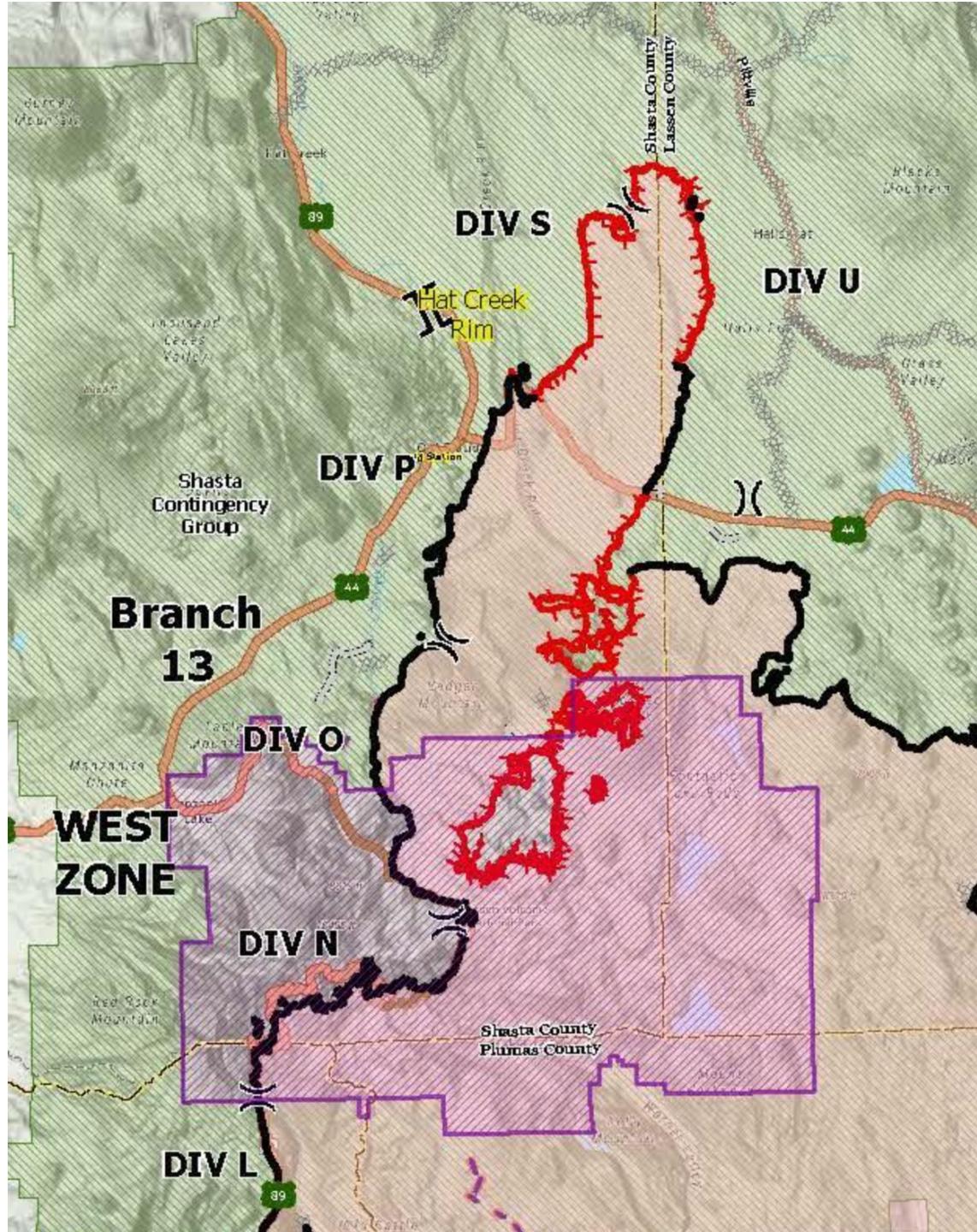


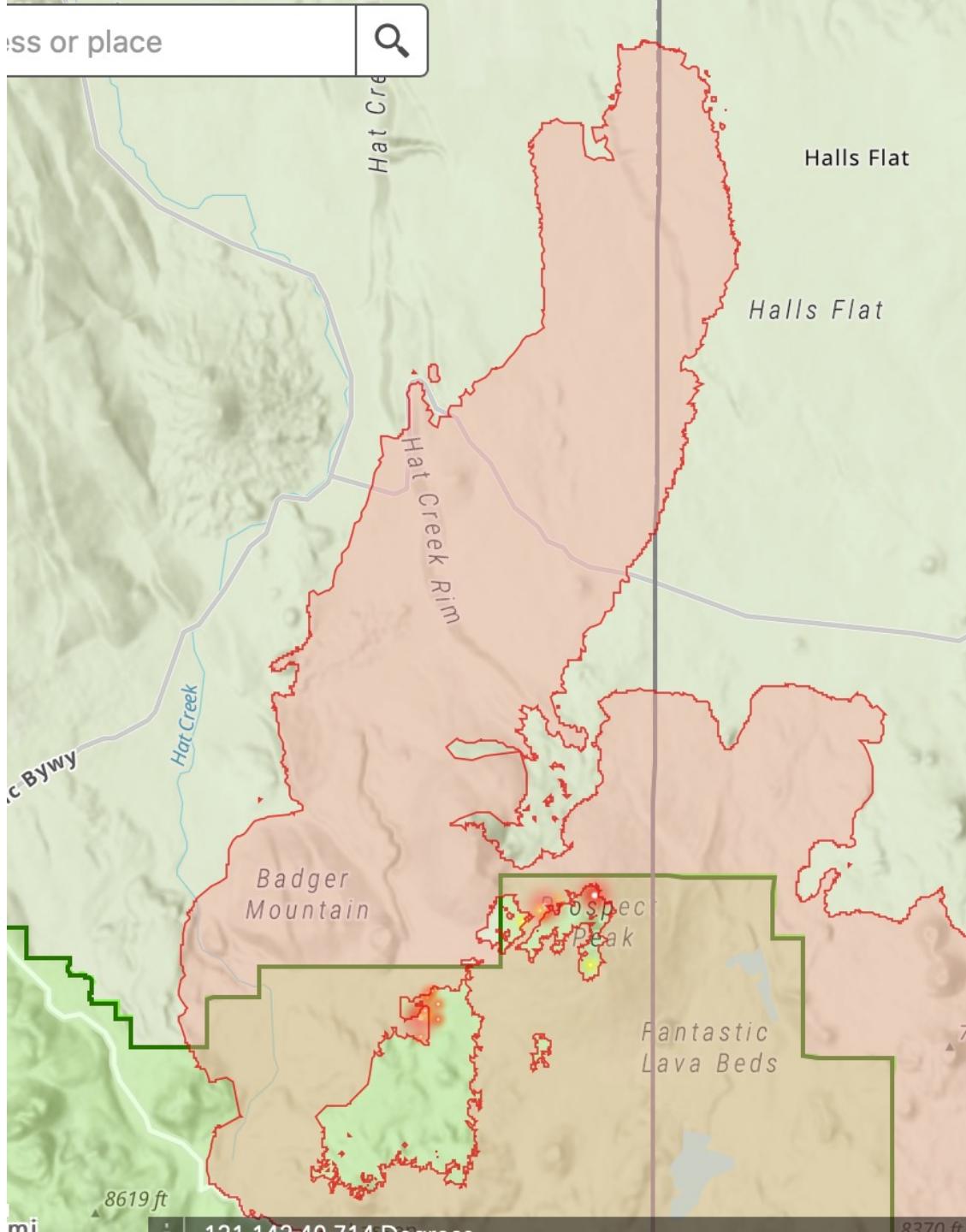
# General Update

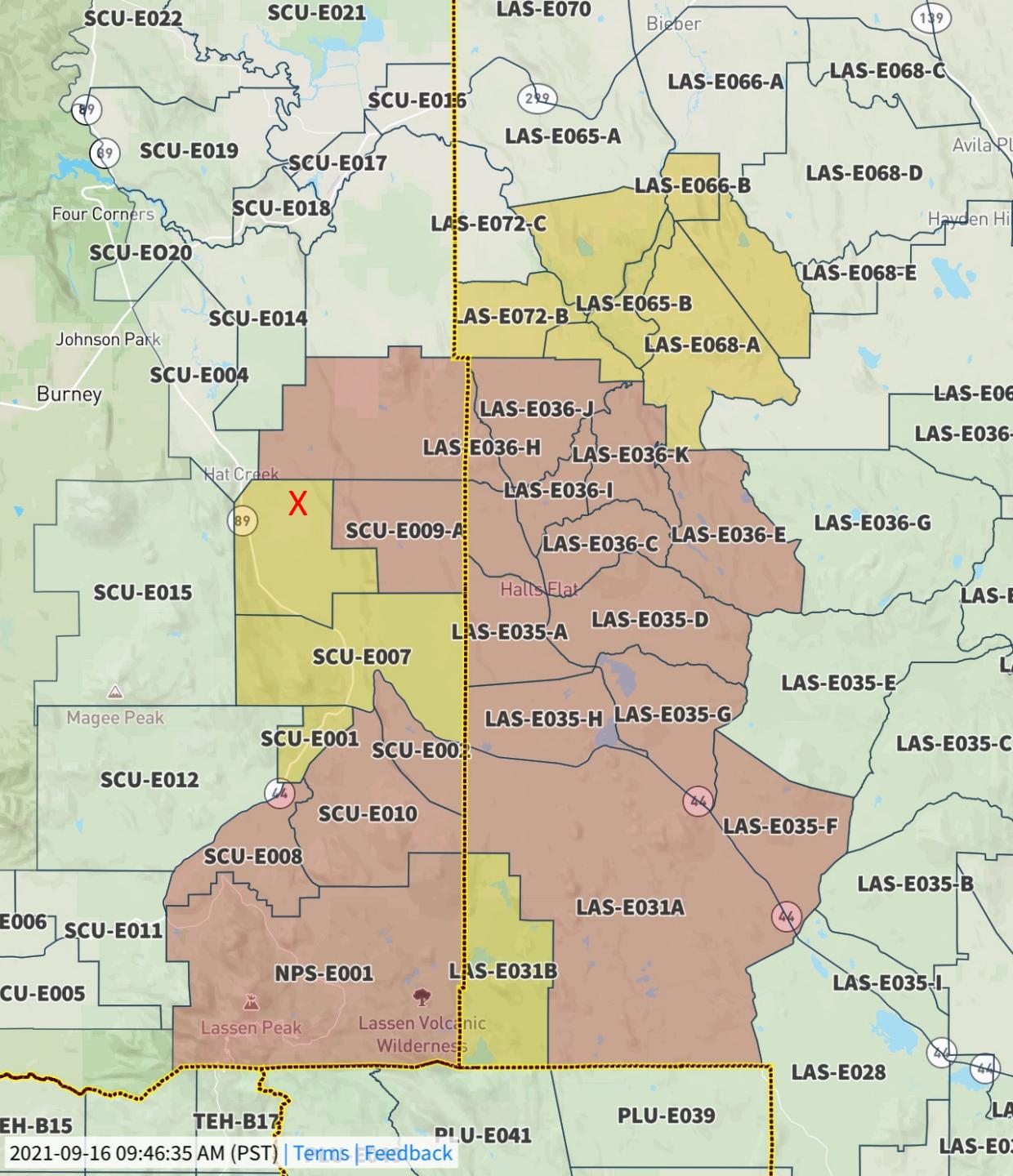
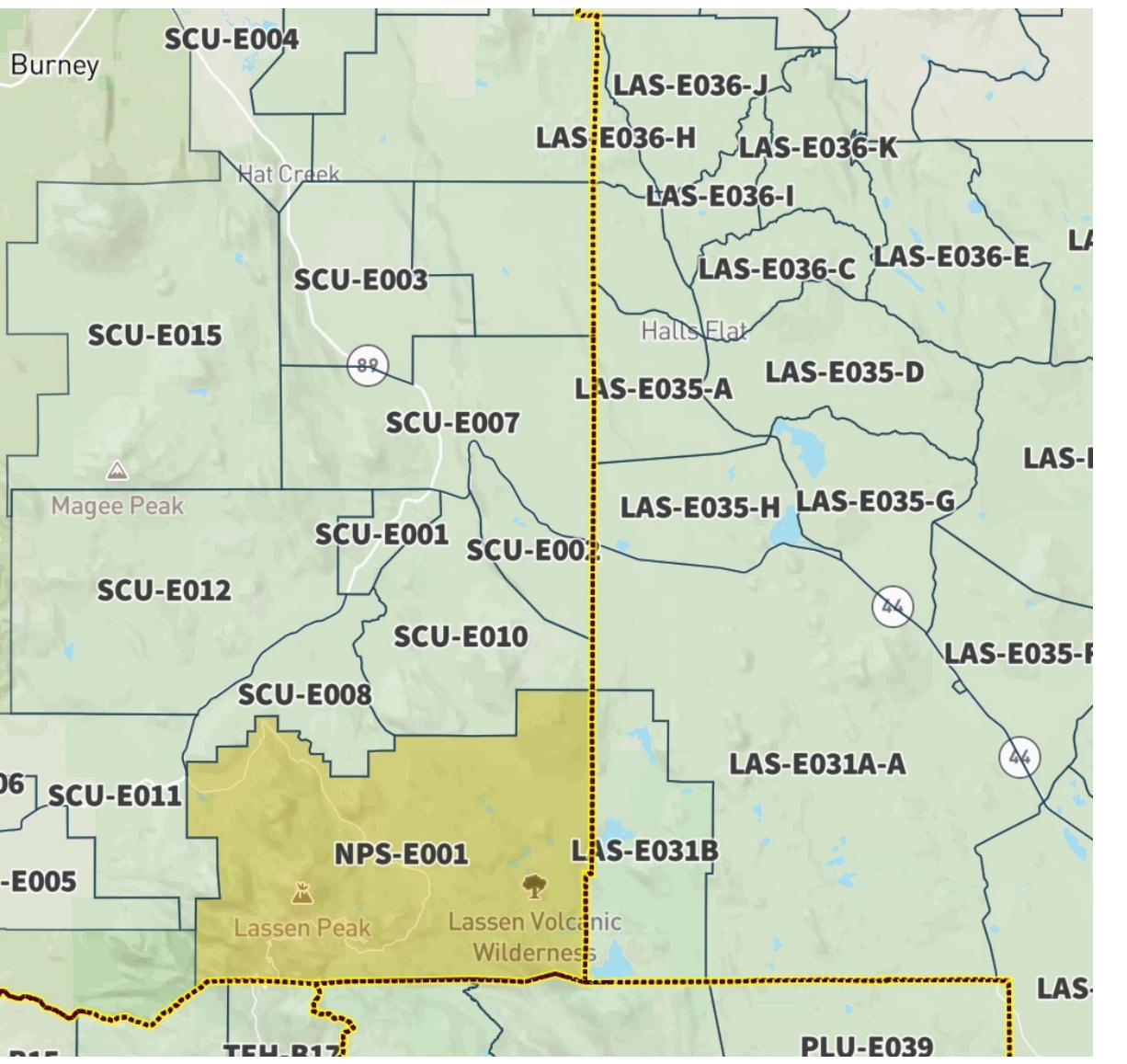
- NRDZ NSF proposal funded
- SPR
  - Install of additional 30A sockets for rack power supply
  - Additional rack for NRDZ storage nodes and equipment
  - AC fan replaced and system operational again
- Other
  - Fire Update
  - Control Box retrofit installation planned for September
  - Attemplifier modules construction (halfway done)
  - Wire harness construction for Antonio Feeds
  - UPS shed AC replacement DONE
  - SRI equipment relocation
- Documentation:
  - Uploaded memos to GitHub
  - In process of writing up Attemplifier and RFSOC design
- CHIME:
  - Agreement waiting to hear back from McGill
  - Geotechnical quote ready will move forward
  - Clearing field quote ready
  - Additional documents prepared for Shasta County
- Antonio Feed
  - PY-004 repaired
  - Production of 6 additional feed Pyramids
  - Planning phase for construction of three additional feeds using spare parts.
  - Testing LNAs for new build pyramids
  - Get anechoic chamber from Minex?!



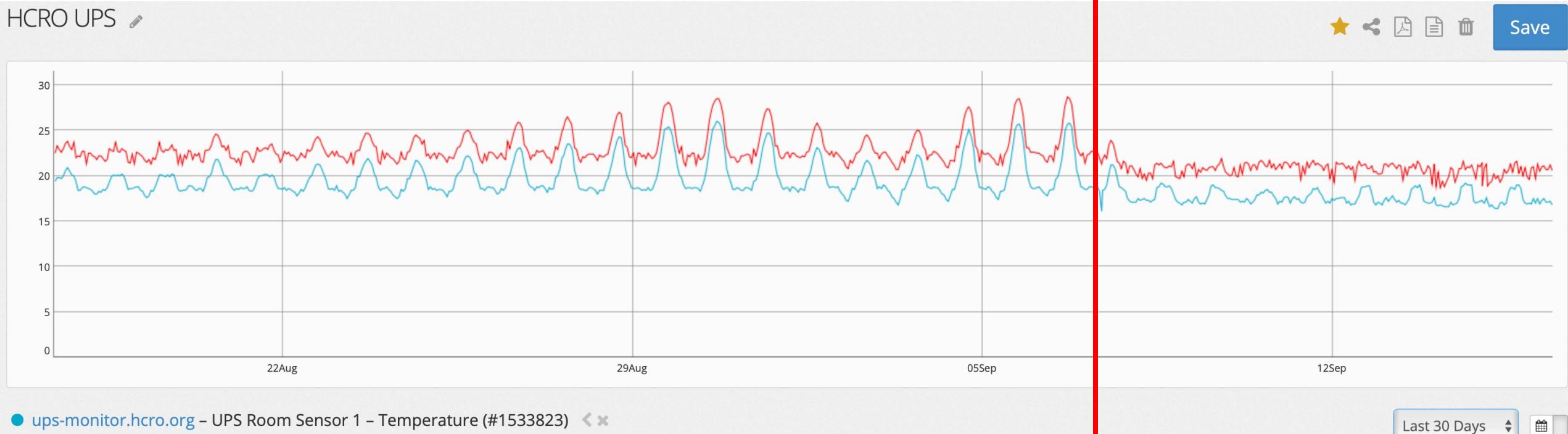


# Heat Map:





# UPS Shed AC replaced:



Report Overlays

## Control box versions:

- replaced 9 control boxes
- 20/42 are version 2
- 2 spare CB not installed

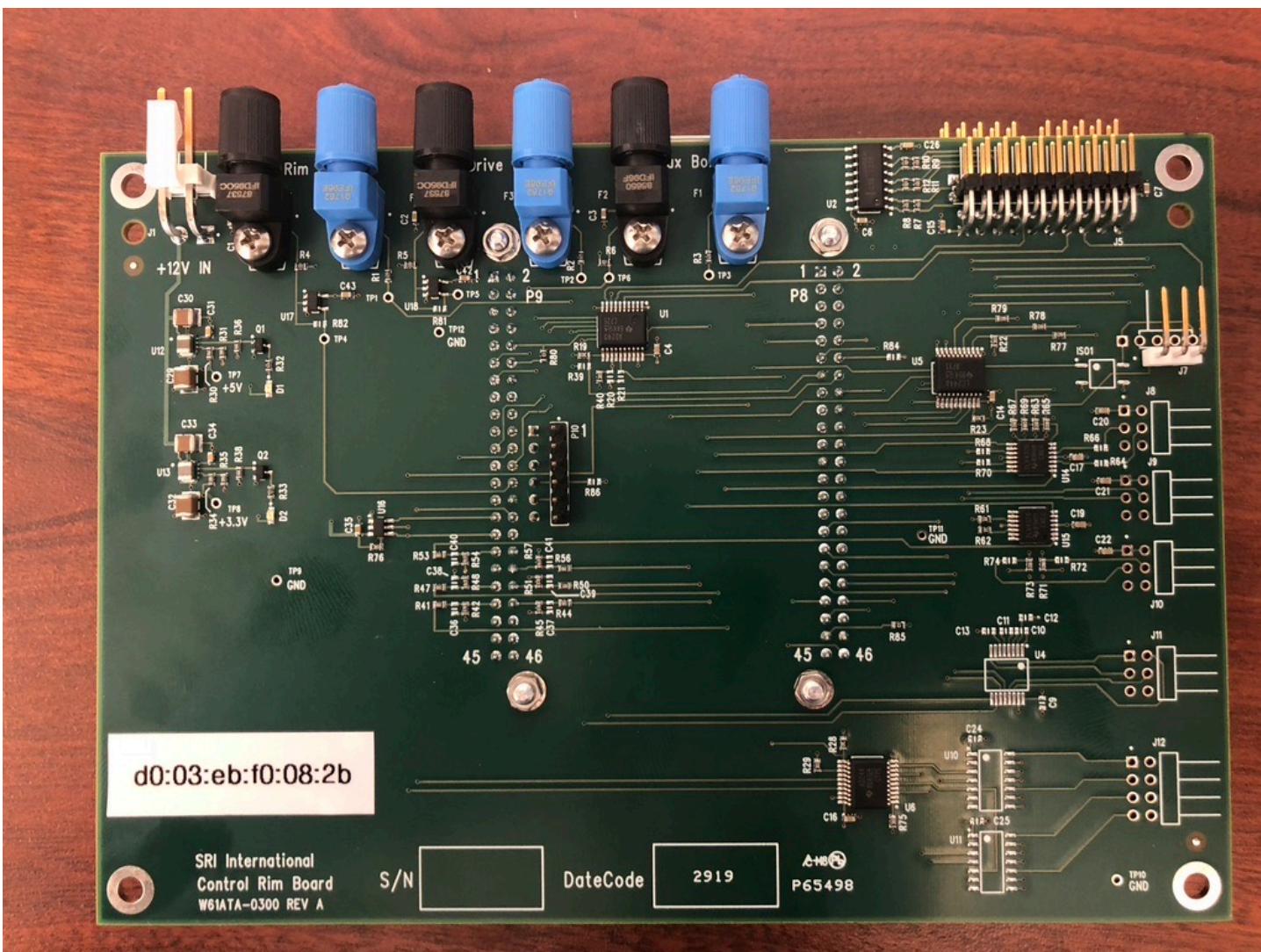


Ant	Feed Version	Antennas	
		Feed installed	Control Box
<u>1A</u>	V1	YES	-
<u>1B</u>	V1	-	OLD
<u>1C</u>	V2	YES	-
<u>1D</u>	V1	-	OLD
<u>1E</u>	V2	YES	-
<u>1F</u>	V1	YES	-
<u>1G</u>	V2	YES	-
<u>1H</u>	V2	YES	-
<u>1J</u>	V1	-	-
<u>1K</u>	V2	YES	OLD
<u>2A</u>	V2	YES	-
<u>2B</u>	V2	YES	-
<u>2C</u>	V2	YES	OLD
<u>2D</u>	V1	-	-
<u>2E</u>	V2	YES	OLD
<u>2F</u>	V1	-	OLD
<u>2G</u>	V1	-	-
<u>2H</u>	V2	YES	-
<u>2I</u>	V2	YES	-
<u>2K</u>	V2	YES	-
<u>2L</u>	V2	YES	OLD
<u>2M</u>	V2	YES	OLD
<u>3C</u>	V2	YES	OLD
<u>3D</u>	V2	YES	OLD
<u>3E</u>	V1	-	OLD
<u>3F</u>	-	-	
<u>3G</u>	-	-	
<u>3H</u>	-	-	
<u>3J</u>	V1	-	OLD
<u>3L</u>	V2	YES	OLD
<u>4E</u>	V1	-	-
<u>4F</u>	V1	-	-
<u>4G</u>	V1	YES	OLD
<u>4H</u>	V1	-	-
<u>4J</u>	V2	YES	OLD
<u>4K</u>	V1	-	OLD
<u>4L</u>	V1	-	OLD
<u>5B</u>	V2	YES	-
<u>5C</u>	V1	YES	-
<u>5E</u>	V1	-	OLD
<u>5G</u>	V1	-	OLD
<u>5H</u>	V1	-	-

# Control board:

- Non available components!

IF-D96F	Industrial Fiber Optics	Obsolete	no stock
TPS82150SILR	Texas Instruments	Normally Stocking	no stock
TLV4376IPWR	Texas Instruments	Normally Stocking	no stock



# Antonio Feeds:

- 6 PY in production
- LNAs need to be tested
- Prototype run for new build feeds.

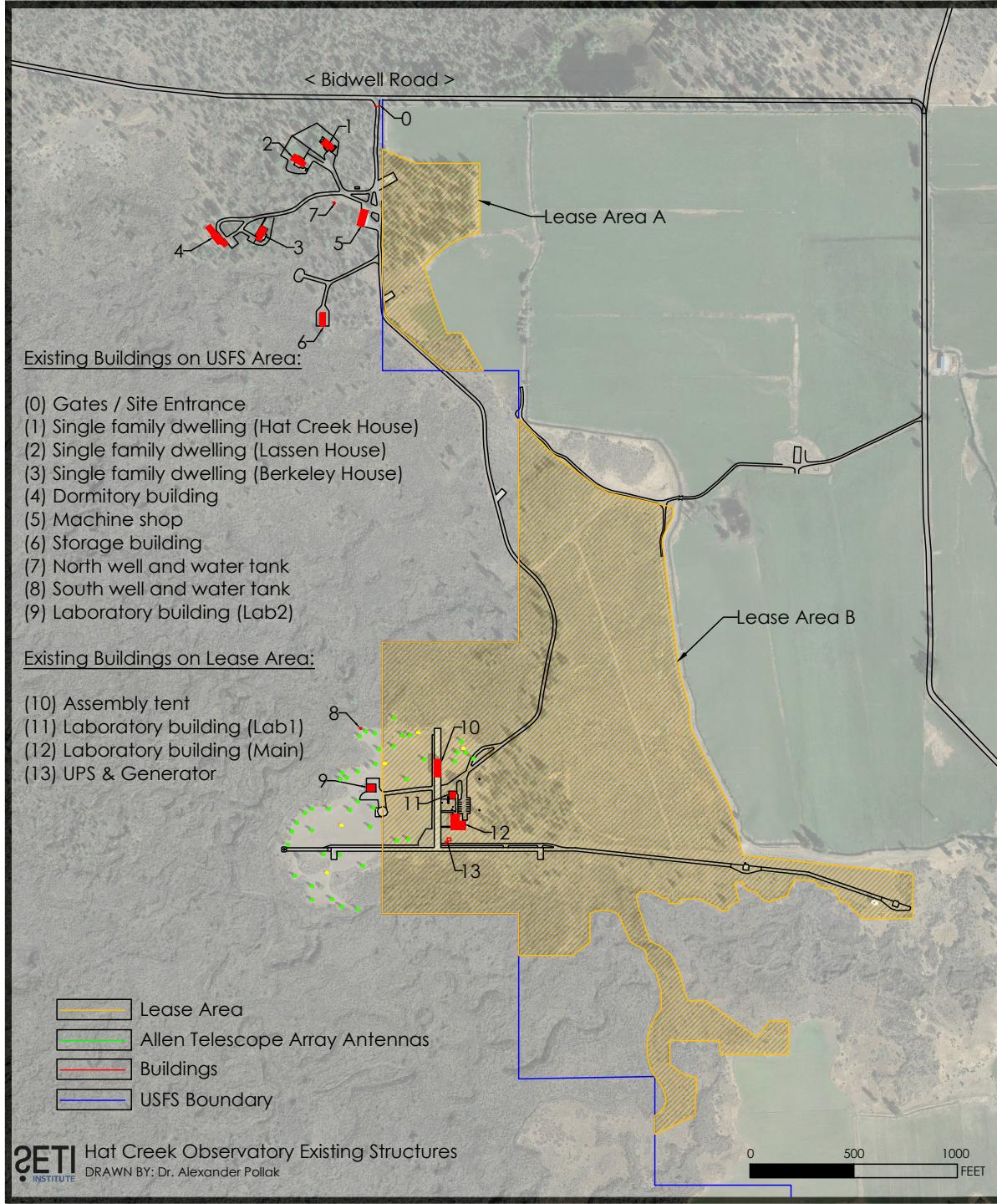
Number	Pyramid Overview				Bias ID	Labeled
	LNA X	LNA Y	X-Y switched			
PY-001	50	71	-		25mA	YES
PY-002	55	62	YES		25mA	YES
PY-003	12	39	-		25mA	YES
PY-004	43	44	-		25mA	YES
PY-005	47	52	-		25mA	-
PY-006	75	82	-		25mA	-
PY-007	41	99	-		25mA	YES
PY-008	15	23	YES		25mA	YES
PY-009						
PY-010	24	73	-		25mA	YES
PY-011	57	59	YES		25mA	YES
PY-012	37	56	-		25mA	-
PY-013	53	72	-		25mA	-
PY-014	60	64	-		25mA	YES
PY-015	45	48	-		25mA	-
PY-016	16	17	-		25mA	YES
PY-017	F66	F67	-		60mA	YES
PY-018	18	40	-		25mA	-
PY-019	34	46	-		25mA	YES
PY-020	83	84	-		25mA	-
PY-021						
PY-022						
PY-023						
PY-024						
PY-025						

## RSI equipment relocation:

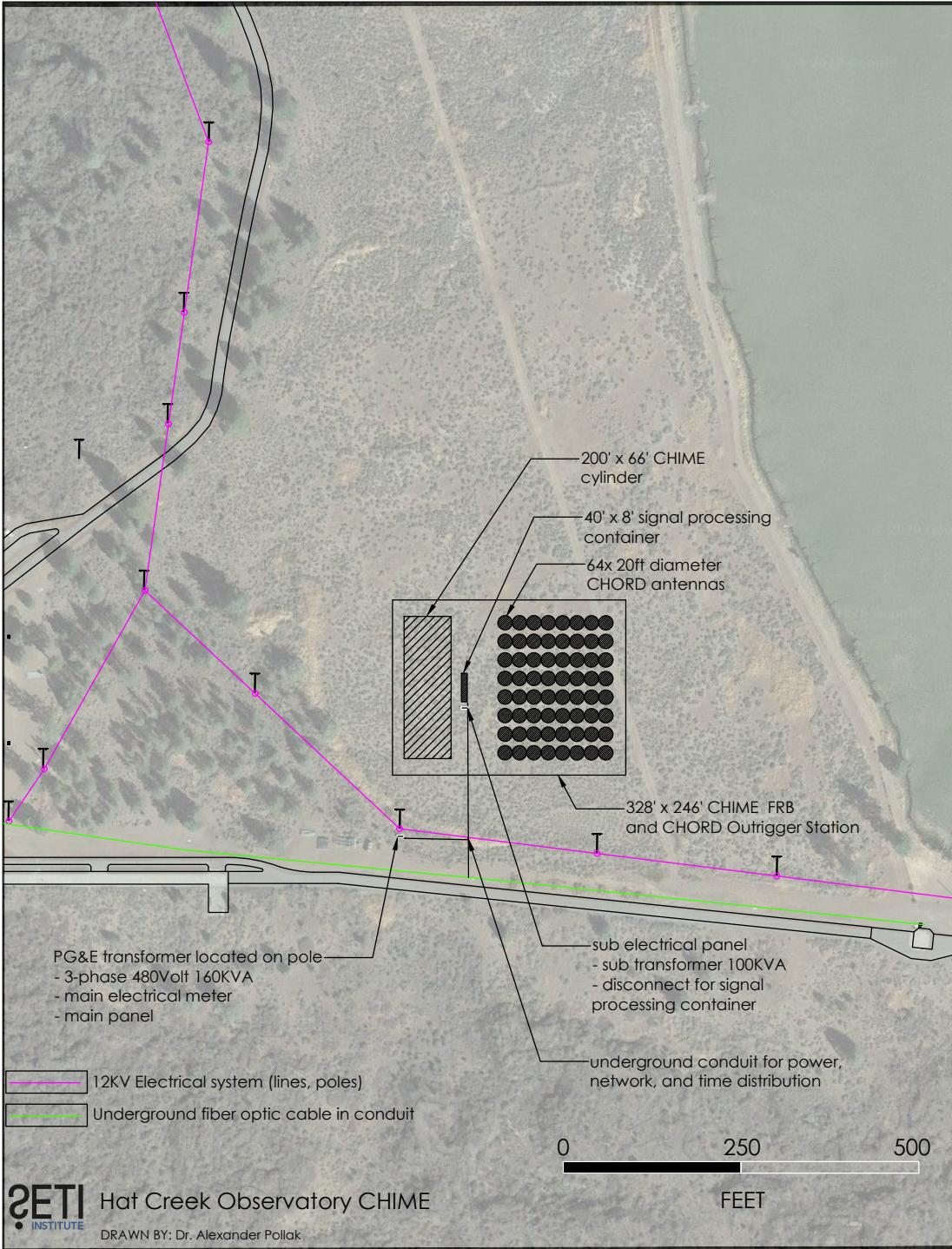
- Move all of their equipment from HCH kitchen to HCH garage



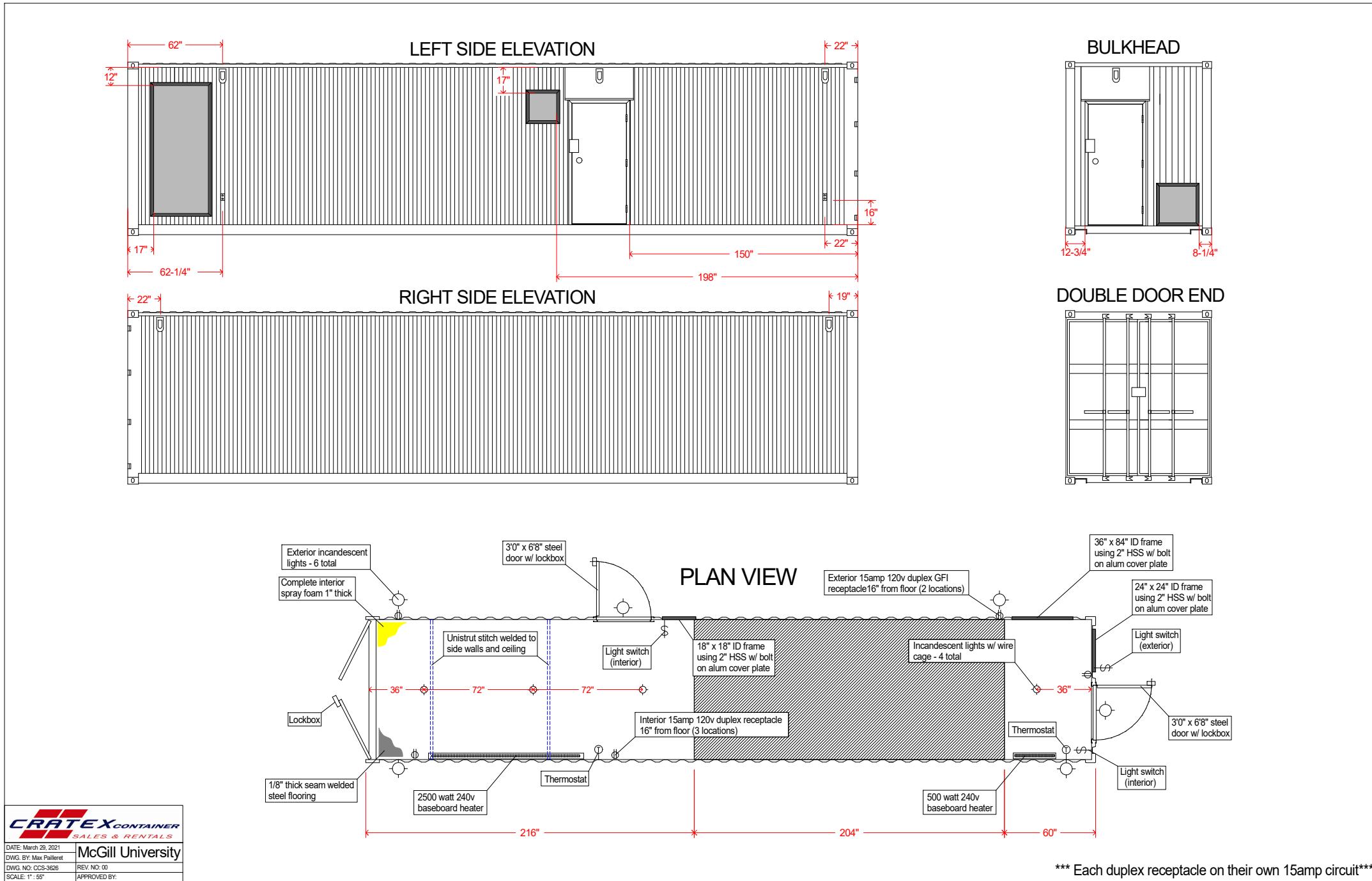
# CHIME:



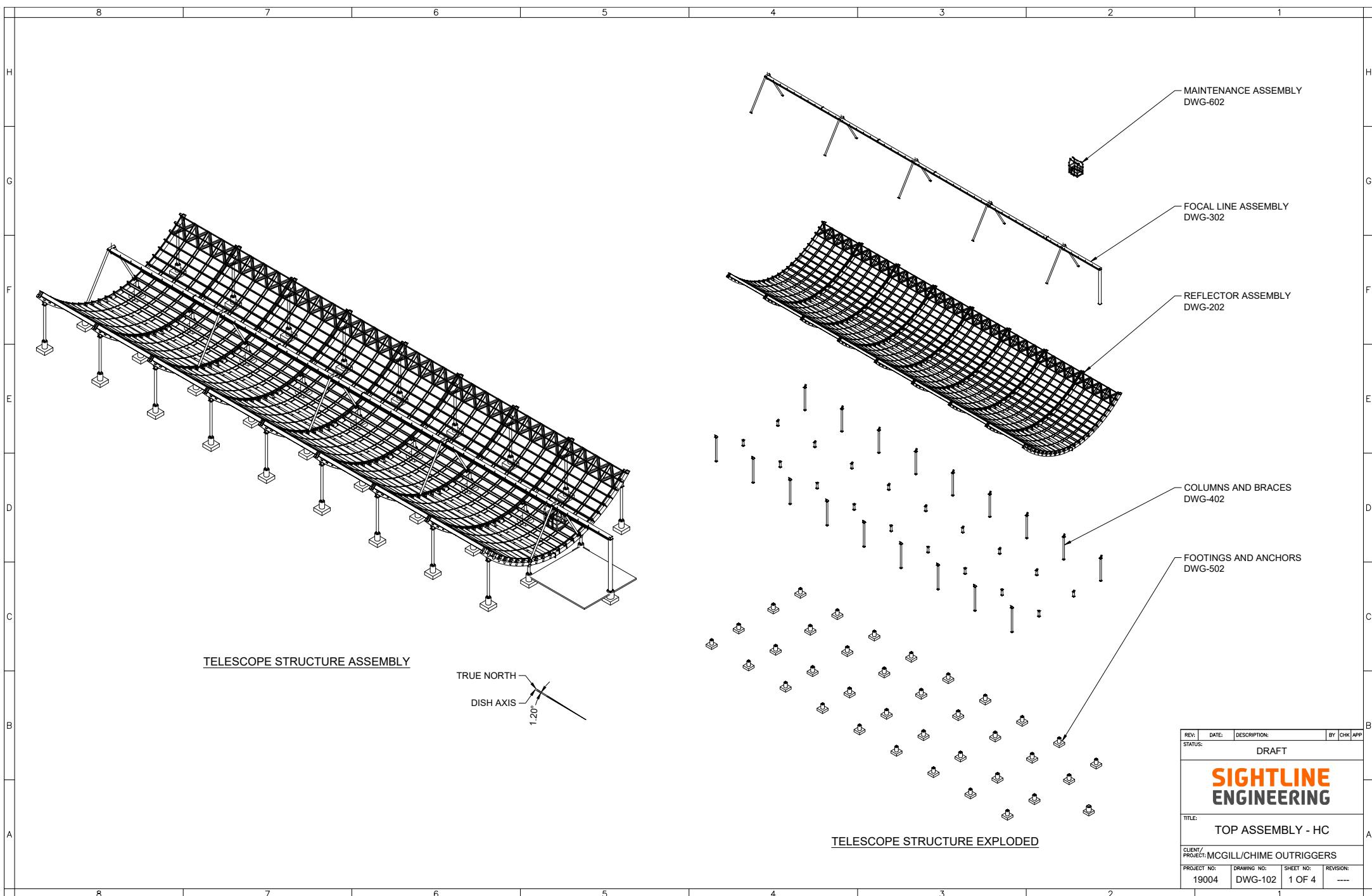
# CHIME:



CHIME:



CHIME:



CHIME:

4

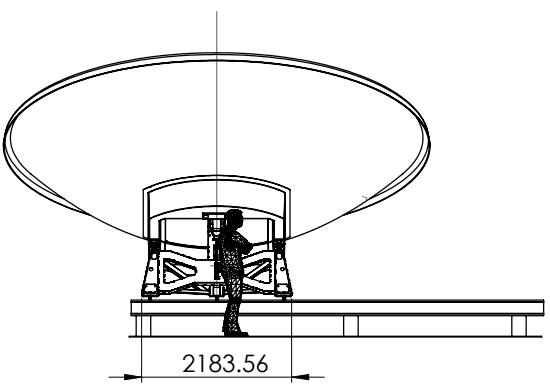
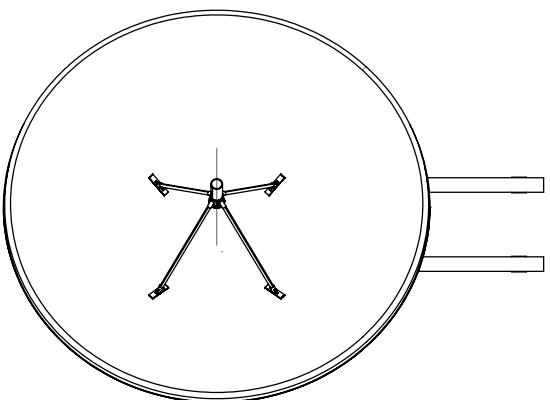
3

2

1

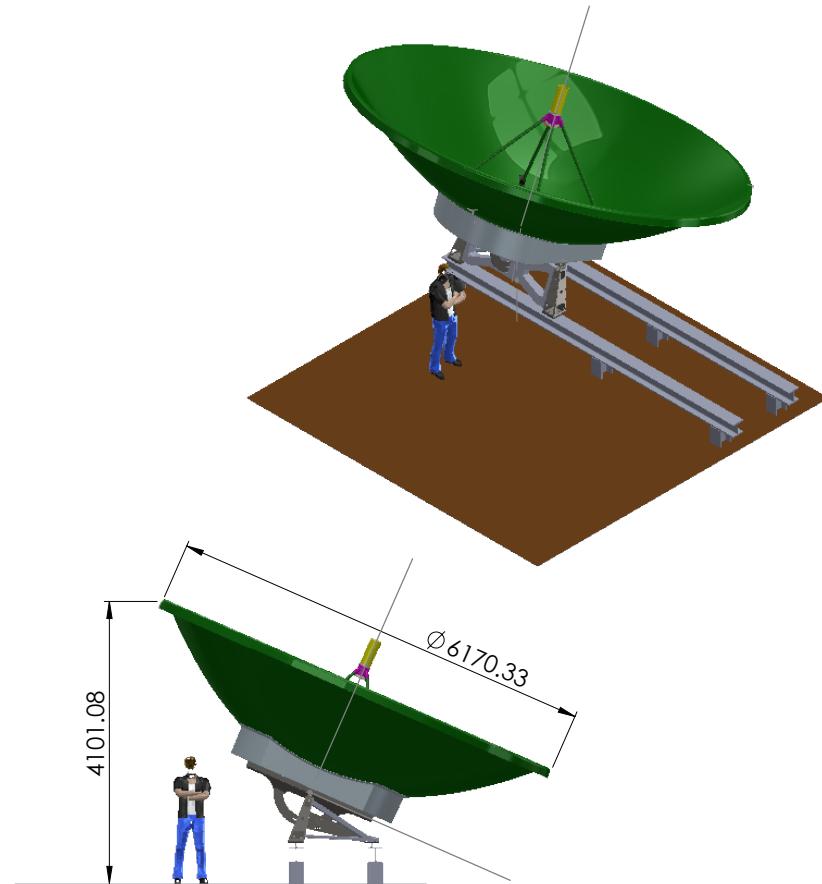
B

B



A

A



REV				DESCRIPTION	BY	DATE	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETRES		DRAO		NATIONAL RESEARCH COUNCIL OF CANADA HERZBERG ASTRONOMY AND ASTROPHYSICS DOMINION RADIO ASTROPHYSICAL OBSERVATORY PENTICTON BC					
01				INITIAL RELEASE	GEL	20Sep21	TOLERANCES: X. $\pm 0.5$ X.X $\pm 0.10$ X.XX $\pm 0.050$ X.XXX $\pm 0.010$ ANGLE $\pm 0^\circ 30'$	EDGE BREAK 0.3 X 45°	MATERIAL Fiberglass, S.S.	DESIGNED GEL	20-09-21	NAME DRAWN GEL	DATE 20-09-21	SIZE B	DWG. NO. R100-1	REV 01
							MACHINING FINISH									
							THIRD ANGLE PROJECTION									
							CHECKED					SCALE: 1:75 WEIGHT:		SHEET 1 OF 1		

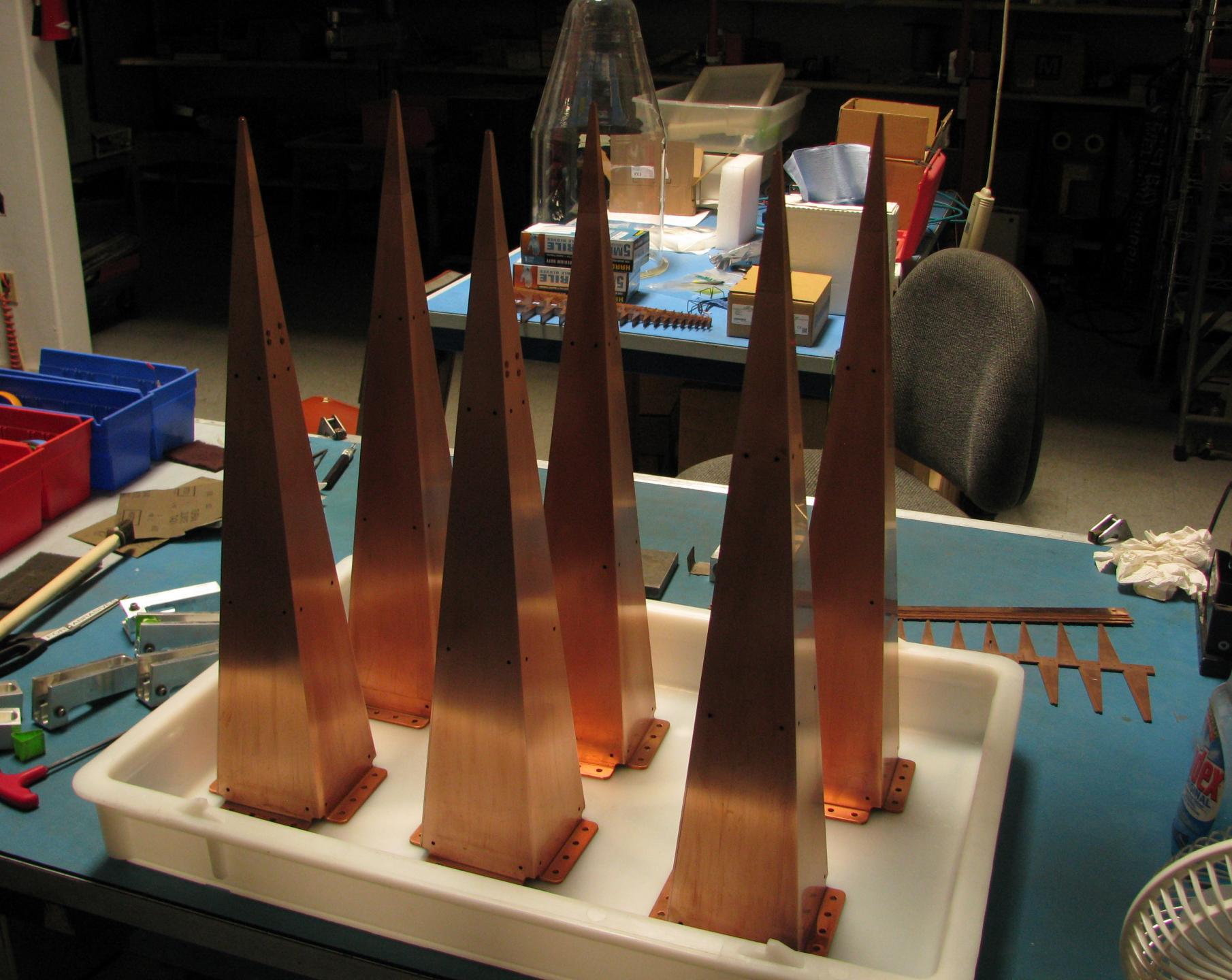
4

3

2

1

## Antonio Feed Pyramids:



# Antonio Feed Pyramids:



master  Front-Page / MEMOS /		 Go to file	 Add file 	
 AlexanderPollak	added memos	f72d93c	2 minutes ago	 History
..				
 2019-10 Antenna Tsys Measurement	added memos		2 minutes ago	
 2020-02 PAX Power Level Control Software	added memos		2 minutes ago	
 2020-09 ATA Dynamic Range Report	added memos		2 minutes ago	
 2020-10 RFCB-Measurement Report	added memos		2 minutes ago	
 2021-03 Interface & Rate Sheet	added memos		2 minutes ago	
 2021-04 Pointing-Calibration	added memos		2 minutes ago	
 2021-07 Antonio Feed Buildout	added memos		2 minutes ago	
 .DS_Store	added memos		2 minutes ago	
 Readme.md	Update Readme.md		10 months ago	