



Boca Raton Airport Authority  
903 NW 35<sup>th</sup> Street  
Boca Raton, Florida 33431  
(561) 391-2202

## ADDENDUM NO. 2

**Date:** Friday, April 24, 2025  
**Project Name:** Automated Weather Observing System Replacement  
**Owner:** Boca Raton Airport Authority  
**Owner Project No.:** 2025-BRAA-005  
**Garver Project No.** 2401228

This addendum shall be a part of the Drawings, Contract Documents and Specifications to the same extent as though it were originally included therein, and it shall supersede anything contained in the Drawings, Contract Documents, and Specifications with which it might conflict. This addendum, including all attachments, shall become part of the Contract and all provisions of the Contract shall apply thereto. The time provided for completion of the Contract has not been changed as noted in this addendum. Acknowledgement of receipt of this addendum must be noted in the appropriate section of the Bid Form and included with the Contract Documents.

This addendum includes the following attachments:

- A. Bid form – Replace bid form page 5 with page 5-R1. The page was revised to include the D-ADIS pay item.
- B. Specification L-126 - Replace Specification L-126 page 11 with the page 11 contained in this addendum. Page L-126-11 of the specifications was modified to include the pay item No. L-126-5.3 New D-ATIS, complete in place.
- C. Plans sheets E001, E201, E202 and E203 – Replace existing sheets E001, E201, E202, and E203 with the sheets contained in this addendum. Plans have been modified to include the following changes;
  - Sheet E001: Plan revisions to incorporate a new D-ATIS system along with other miscellaneous changes.
  - Sheet E201: Plan revisions to riser diagram for incorporation of additional information.
  - Sheet E202: Plan revisions to incorporate additional photos along with other miscellaneous changes.
  - Sheet E203: Plan revisions to incorporate a new D-ATIS system along with other miscellaneous changes.
- D. Estimate – Estimate was revised to include a New D-ATIS as additive alternate 1. No further action needed.

By: 

Cody Parham, P.E.

END OF ADDENDUM NO. 2

BOCA RATON AIRPORT  
AUTOMATED WEATHER OBSERVING SYSTEM REPLACEMENT  
BID FORM - BASE BID  
ATTACHMENT NO. 1 TO THE BID FORM

ITEM NO.	SPEC. NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT PRICE	BID AMOUNT
1	C-105-6.1	MOBILIZATION (MAXIMUM 10% OF TOTAL BID)	LS	1		
2	SS-110-4.2	BOLLARD	EA	7		
3	SS-120-3.1	CONSTRUCTION SAFETY AND SECURITY	LS	1		
4	L-126-5.1	DEMOLISH EXISTING AWOS IIIPT, COMPLETE	LS	1		
5	L-126-5.2	NEW AWOS IIIPT, COMPLETE IN PLACE	LS	1		
6	L-126-5.3	NEW D-ATIS, COMPLETE IN PLACE	LS	1		

TOTAL BID - \_\_\_\_\_

- A. The Contractor shall provide a five (5) year maintenance agreement that begins on the date of FAA commissioning. The maintenance agreement shall include all required inspections as defined by the AWOS manufacturer and the FAA.

126-4 METHODS OF MEASUREMENT

126.4.1 GENERAL

- A. The quantity of units to be paid for under this item shall be the number of each type installed, adjusted, removed or replaced, complete in place, ready for operation, and accepted by the Engineer.

126.5 BASIS OF PAYMENT

126.5.1 GENERAL

- A. Payment will be made at the contract unit price or lump sum price for each item completed by the Contractor and accepted by the Engineer. This price shall be full compensation for furnishing all materials and for all preparation, assembly, and installation of these materials, and for all labor, taxes, equipment, tolls, and incidentals necessary to complete this item.

Item No. L-126-5.1      Demolish existing AWOS IIPT, complete in place. Includes demolition, excavation, labor and etc., complete in place. - Price per lump sum.

Item No. L-126-5.2      New AWOS IIPT, complete in place. Includes AWOS equipment, cables/conductors, conduits, panelboard, breakers, channel, hardware, testing, surge protective devices, identification, splice kits, labor, maintenance agreement, spare components, foundations, and etc., complete in place. - Price per lump sum.

Item No. L-126-5.3      New D-ATIS, complete in place. Includes D-ATIS equipment, cables/conductors, programming, hardware, testing, surge protective devices, identification, labor, training, and etc., complete in place. - Price per lump sum.

END OF SECTION L-126

GENERAL NOTES

1. THE ELECTRICAL CONTRACTOR SHALL COMPLETE THE FOLLOWING ITEMS AS SHOWN ON ELECTRICAL PLAN SHEETS:

1.1. DEMOLISH EXISTING AUTOMATED WEATHER OBSERVING SYSTEM (AWOS) IIPT, COMPLETE, AS SHOWN ON DRAWINGS.

1.2. PROVIDE AND INSTALL A NEW AUTOMATED WEATHER OBSERVING SYSTEM (AWOS) IIPT, COMPLETE, IN PLACE, AS SHOWN ON DRAWINGS.

1.3. PROVIDE AND INSTALL A NEW DATALINK AUTOMATIC TERMINAL INFORMATION SERVICE (D-ATIS) SYSTEM, COMPLETE, IN PLACE, AS SHOWN ON DRAWINGS.

2. THE CONTRACTOR SHALL PROVIDE ALL MATERIALS AND LABOR TO INSTALL THE ELECTRICAL SYSTEMS AS INDICATED ON THE DRAWINGS. ITEMS NOT SHOWN BUT OBVIOUSLY NECESSARY FOR COMPLETION OF THE WORK SHALL BE INCLUDED.

3. THE INSTALLATION SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE, ALL LATEST FEDERAL AVIATION ADMINISTRATION STANDARDS AND ADVISORIES, AND FLORIDA BUILDING CODE.

4. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS, INSPECTIONS, AND APPROVALS.

5. THE CONTRACTOR SHALL COORDINATE THEIR WORK WITH THE ENGINEER, AIRPORT, RESIDENT PROJECT REPRESENTATIVE (RPR) AND FAA.

6. THE CONTRACTOR SHALL, BEFORE SUBMITTING THEIR BID, VISIT THE SITE OF THE PROJECT AND BECOME FAMILIAR WITH THE EXISTING CONDITIONS. NO ALLOWANCE WILL BE MADE FOR EXISTING CONDITIONS OR FAILURE OF THE CONTRACTOR TO OBSERVE THEM.

7. GROUNDING SHALL BE INSTALLED IN ACCORDANCE WITH NEC. THE RESISTANCE OF THE COUNTERPOISE GROUNDING SYSTEM SHALL NOT EXCEED 25 OHMS. THE EARTH SHALL BE DRY FOR 48 HOURS PRIOR TO TESTING. GROUNDING AND BONDING SHALL NOT BE PAINTED.

8. AN EQUIPMENT GROUND WIRE SIZED PER NEC SHALL BE PULLED IN ALL CONDUITS, POWER AND CONTROL, WHETHER OR NOT INDICATED ON DRAWINGS.

9. ALL EQUIPMENT SHALL BE NEW AND UNUSED, U.L. LISTED AND FAA APPROVED.

10. SHOP DRAWINGS SHALL BE SUBMITTED FOR THE FOLLOWING EQUIPMENT: AWOS EQUIPMENT, D-ATIS EQUIPMENT, SPLICE KITS, CONDUITS, CABLES/CONDUCTORS, GROUNDING AND OTHERS AS INDICATED IN THE SPECIFICATIONS OR REQUESTED BY ENGINEER.

11. THE CONTRACTOR IS RESPONSIBLE TO TEST ALL SYSTEMS AND REPAIR OR REPLACE ALL DEFECTIVE WORK TO THE SATISFACTION OF THE ENGINEER, RPR AND OWNER.

12. ALL EQUIPMENT FURNISHED AND INSTALLED BY THE CONTRACTOR SHALL BE GUARANTEED AGAINST DEFECTS IN MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM DATE OF ACCEPTANCE OF ENTIRE PROJECT.

13. COORDINATE ALL ELECTRICAL EQUIPMENT, LOCATIONS, AND POWER REQUIREMENTS AND VERIFY ALL OBSTRUCTIONS WITH ALL SUBCONTRACTORS AND EQUIPMENT SUPPLIERS PRIOR TO ANY INSTALLATION.

14. THE DRAWINGS ARE NOT INTENDED TO SHOW THE EXACT LOCATION OF CONDUIT RUNS. THESE ARE TO BE COORDINATED WITH OTHER TRADES SO THAT CONFLICTS ARE AVOIDED PRIOR TO INSTALLATIONS.

15. CONDUCTORS SHALL BE 600V, XHHW BELOW FINISHED GRADE AND WET LOCATIONS. CONTROL CABLES SHALL BE #18, 6 OR 12 PAIR INDIVIDUALLY TWISTED, OVERALL SHIELDED, 600V AND RATED FOR WET LOCATIONS.

16. SCHEDULE 40 PVC SHALL BE USED UNDERGROUND. ALL ABOVE GROUND CONDUITS SHALL BE RIGID GALVANIZED STEEL. MINIMUM CONDUIT SIZE SHALL BE 3/4". ALL MANDRELLING SHALL BE WITNESSED BY THE RPR.

17. FLEXIBLE CONDUITS SHALL BE USED TO TERMINATE ALL MOTORS AND OTHER VIBRATING EQUIPMENT AND SHALL BE BETWEEN 18" AND 3' IN LENGTH.

18. TYPEWRITTEN PANEL SCHEDULES SHALL BE INSTALLED IN EACH PANELBOARD AND TERMINAL BLOCK SCHEDULES IN EACH CONTROL CABINET.

19. ALL REFERENCES TO A MANUFACTURER ARE GIVEN ON AN "FAA APPROVED EQUAL" BASIS.

20. ALL SPARE CONDUITS SHALL HAVE PULL STRINGS AND BE CAPPED WITH A PVC CAP.

21. ALL CIRCUITS SHALL BE IDENTIFIED IN PULL BOXES, MANHOLES, AND PANELBOARDS. IDENTIFICATIONS SHALL MATCH PANEL SCHEDULE.

22. EXPOSED RUNS OF CONDUITS SHALL BE INSTALLED WITH RUNS PARALLEL OR PERPENDICULAR TO WALL, STRUCTURAL MEMBERS OR INTERSECTIONS OF VERTICAL PLANES AND CEILINGS, WITH RIGHT ANGLE TURNS CONSISTING OF SYMMETRICAL BENDS OR PULL BOXES AS INDICATED ON THE DRAWINGS. BENDS AND OFFSETS SHALL BE AVOIDED WHERE POSSIBLE.

23. ALL CONDUITS PENETRATING RATED FIRE WALLS OR RATED FIRE FLOORS SHALL BE U.L. APPROVED DEVICES TO MAINTAIN THE FIRE RATING OF THE FLOOR OR WALL PENETRATED.

24. BALANCE ALL LOADS AT END OF PROJECT WITH ALL LIGHTS ON.

GENERAL INSTALLATION NOTES:

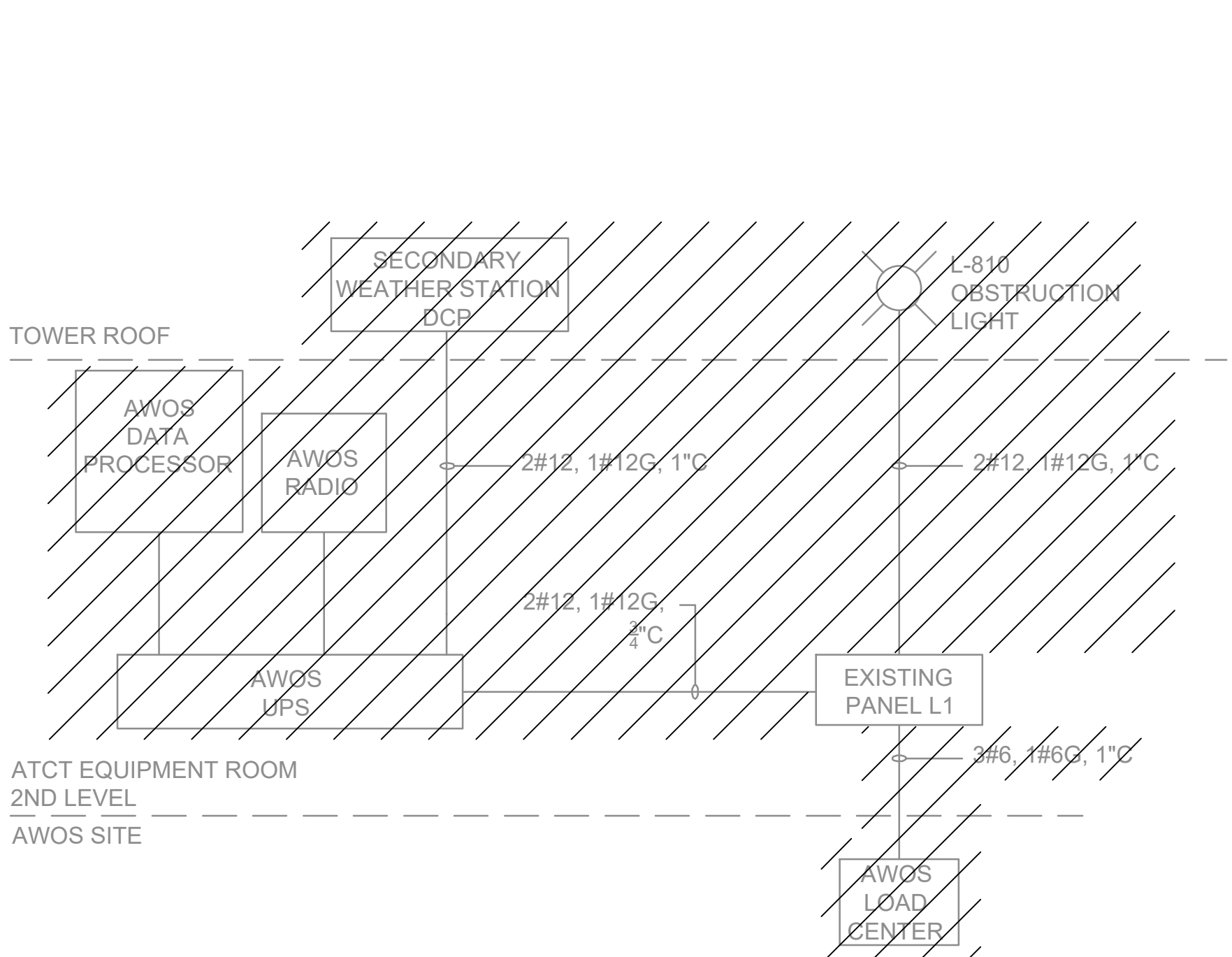
1. CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING UTILITY COMPANIES AND FAA TO IDENTIFY AND LOCATE ANY UNDERGROUND UTILITIES AND/OR CABLE WITHIN THE PROJECT LIMITS. THE CONTRACTOR SHALL ASSIST THE FAA/UTILITY COMPANIES IN EFFORTS TO FIELD VERIFY UNDERGROUND SYSTEMS/UTILITIES. THE CONTRACTOR SHALL REVIEW ALL AIRFIELD UTILITIES WITH THE AIRPORT BEFORE BEGINNING WORK.
2. PRIOR TO WORKING ON ANY CIRCUIT, THE CONTRACTOR SHALL PROVIDE TO THE AIRPORT A WRITTEN LOCKOUT PROCEDURE FOR APPROVAL. THE AIRPORT SHALL REVIEW AND STATE FINAL LOCKOUT RULES. CONTRACTOR SHALL NOT RELY UPON DEACTIVATION OF THE CIRCUITS BY OTHERS. CONTRACTOR SHALL NOTIFY ELECTRICAL MAINTENANCE 48 HOURS PRIOR TO LOCKOUT/TAGOUT.
3. THERE SHALL BE NO SPLICES OF CONDUCTORS IN CONDUITS OR DUCTS. SPLICES SHALL BE PERMITTED IN MANHOLES, JUNCTION BOXES, AND OTHER APPROVED LOCATIONS.
4. WHEN CONTRACTOR IS WORKING WITH EXISTING CONDUITS, HE/SHE SHALL REMOVE ALL ABANDONED CABLES WITHIN PROJECT LIMITS AND IDENTIFY ALL ACTIVE CIRCUITS ON RECORD DRAWINGS.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING ALL CABLE ROUTING AND CIRCUIT DESIGNATIONS ON THE RECORD DRAWINGS.
6. ALL IDENTIFICATION OF CONTROL PANEL INSTALLATIONS, BREAKER LABELS, ETC. SHALL BE PERFORMED BY THE CONTRACTOR. THE CONTRACTOR SHALL RECORD ALL CALL OUT CHANGES ON THE "RECORD" DRAWINGS FOR THIS PROJECT.
7. NAMEPLATES SHALL BE PROVIDED FOR ALL ELECTRICAL EQUIPMENT TO IDENTIFY FUNCTION, CIRCUIT, VOLTAGE, AND PHASE. WHERE EQUIPMENT CONTAINS FUSES, INCLUDE THE FUSE RATINGS.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL CABLES AND UTILITIES, THEIR DEPTHS, ETC. INCLUDING THE USE OF SOFT DIG, GROUND PENETRATING RADAR OR OTHER MEANS AVAILABLE TO ACCURATELY LOCATE ALL CABLES AND UTILITIES AND TO SURVEY AND STAKE THOSE CABLES AND UTILITIES ON RECORD DRAWINGS PRIOR TO CONSTRUCTION.
9. THE OWNER SHALL HAVE THE RIGHT TO SALVAGE MATERIALS THAT ARE TO BE REMOVED AS PART OF THE DEMOLITION. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER PRIOR TO DEMOLITION AND DELIVER SALVAGE MATERIAL TO THE AIRPORT ADMINISTRATION BUILDING.
10. CONTRACTOR TO USE LOCTITE LB8023 MARINE GRADE ANTI-SEIZE OR APPROVED EQUAL ON COUPLINGS AND ANY APPLICATION WHERE ANTI-SEIZE IS REQUIRED.

ELECTRICAL LEGEND

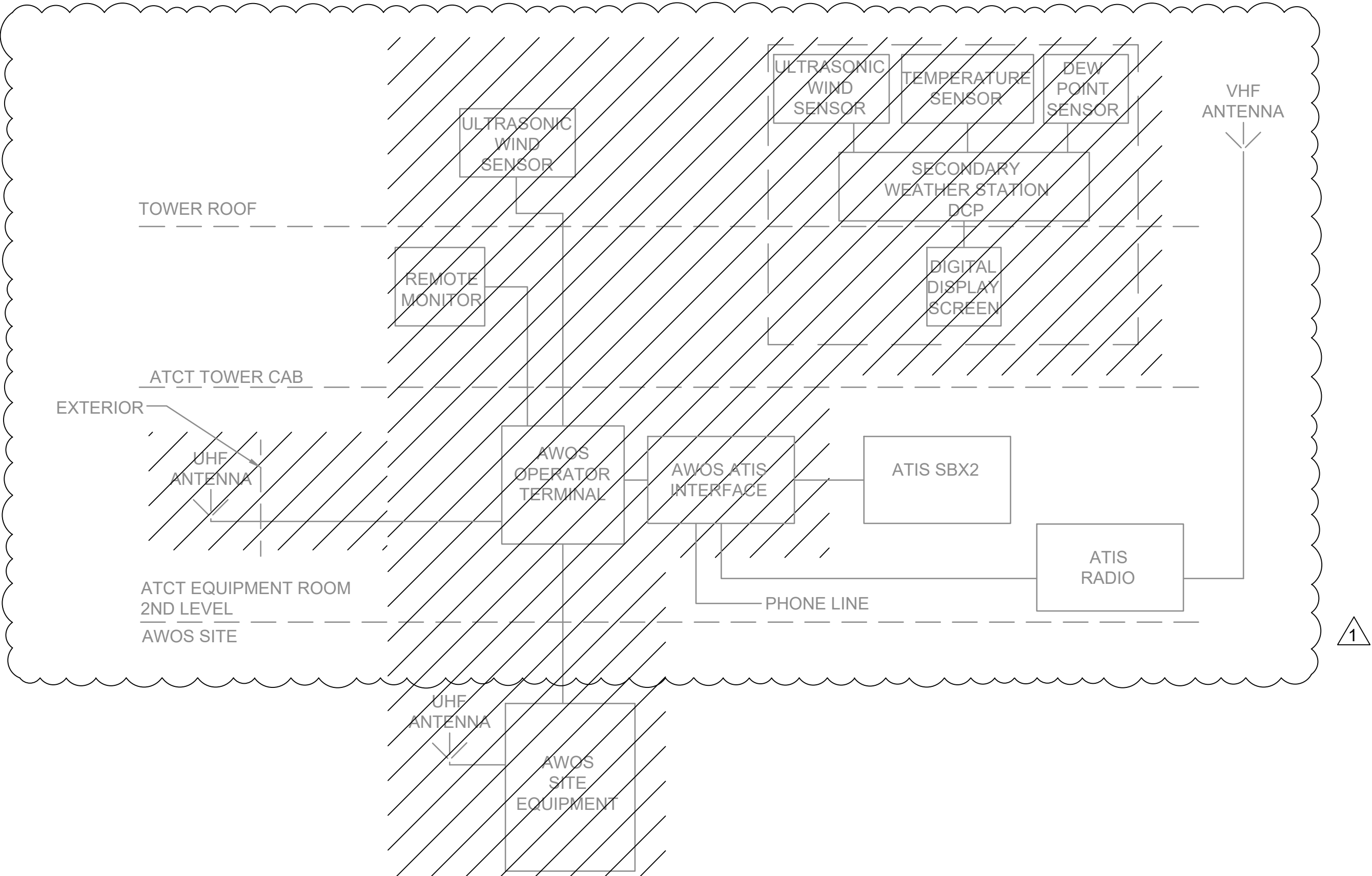
SYMBOL	DESCRIPTION
<div>E</div>	EXISTING ELECTRICAL PULLBOX
<div><div>— • —</div></div>	NEW SCHEDULE 40 PVC DIRECT BURIED CONDUIT, EXCAVATE AND INSTALL IN EARTH. SEE SITE PLAN AND RISERS FOR SIZE AND QUANTITY OF CONDUIT AND CONDUCTORS.
<div>— — —</div>	EXISTING CONDUITS
<div><div>— FPL —</div></div>	EXISTING FPL UNDERGROUND CONDUIT AND CONDUCTOR SYSTEM
<div>F</div>	EXISTING FPL SPLICE BOX



BY	JWK		
DESCRIPTION	ADDENDUM 2		
DATE	4/22/25		
REV.	1		



**EXISTING AWOS AND SECONDARY WEATHER  
STATION ELECTRICAL RISER DIAGRAM**  
NOT TO SCALE



**EXISTING AWOS AND SECONDARY WEATHER  
STATION COMMUNICATION RISER DIAGRAM**  
NOT TO SCALE

EXISTING TO BE REMOVED





PHOTO 1 - EXISTING AWOS SITE  
NOT TO SCALE

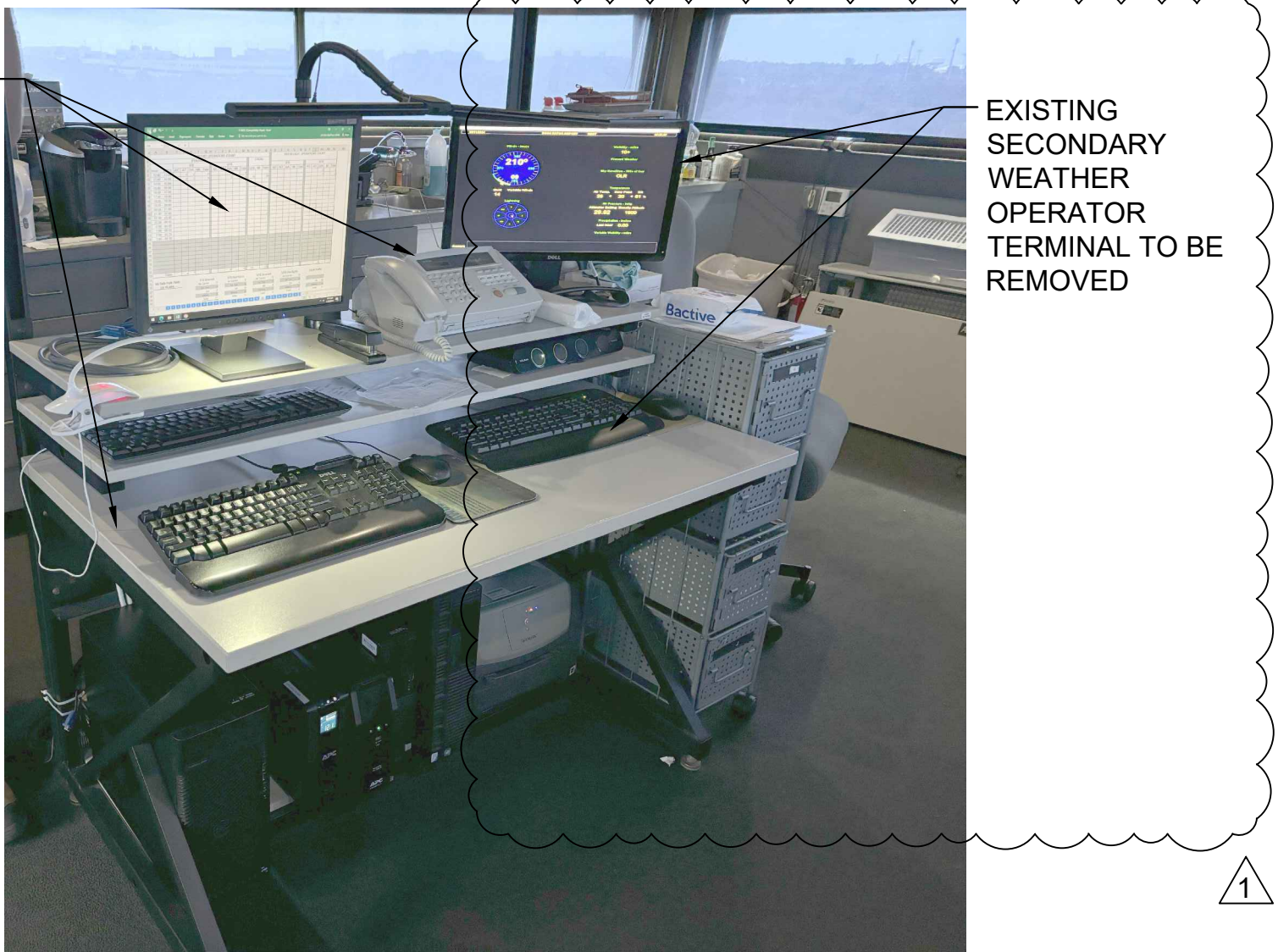


PHOTO 2 - CONTROL TOWER CAB  
NOT TO SCALE



PHOTO 3 - CONTROL TOWER CAB  
NOT TO SCALE

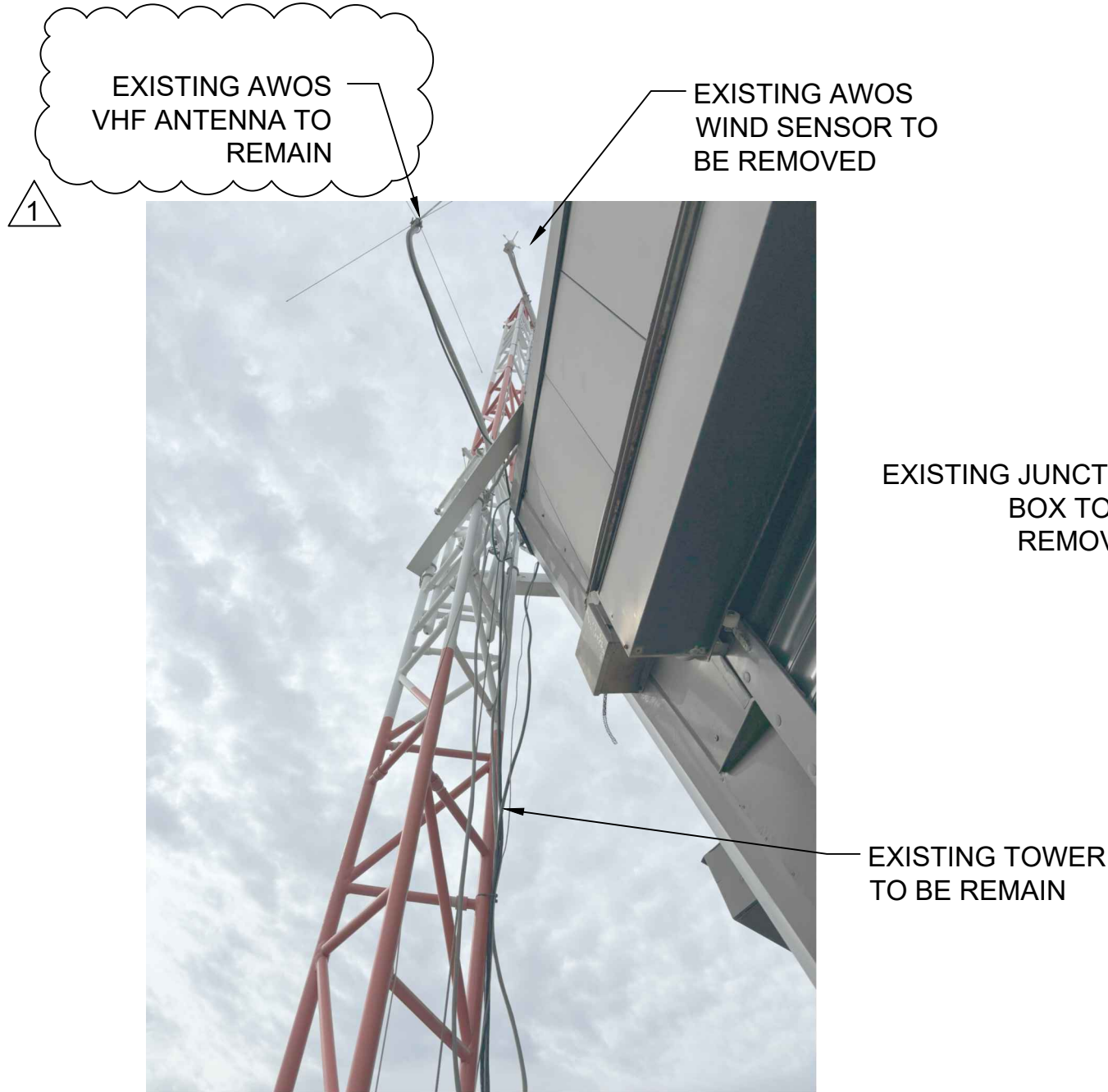


PHOTO 4 - CONTROL TOWER ROOF  
NOT TO SCALE

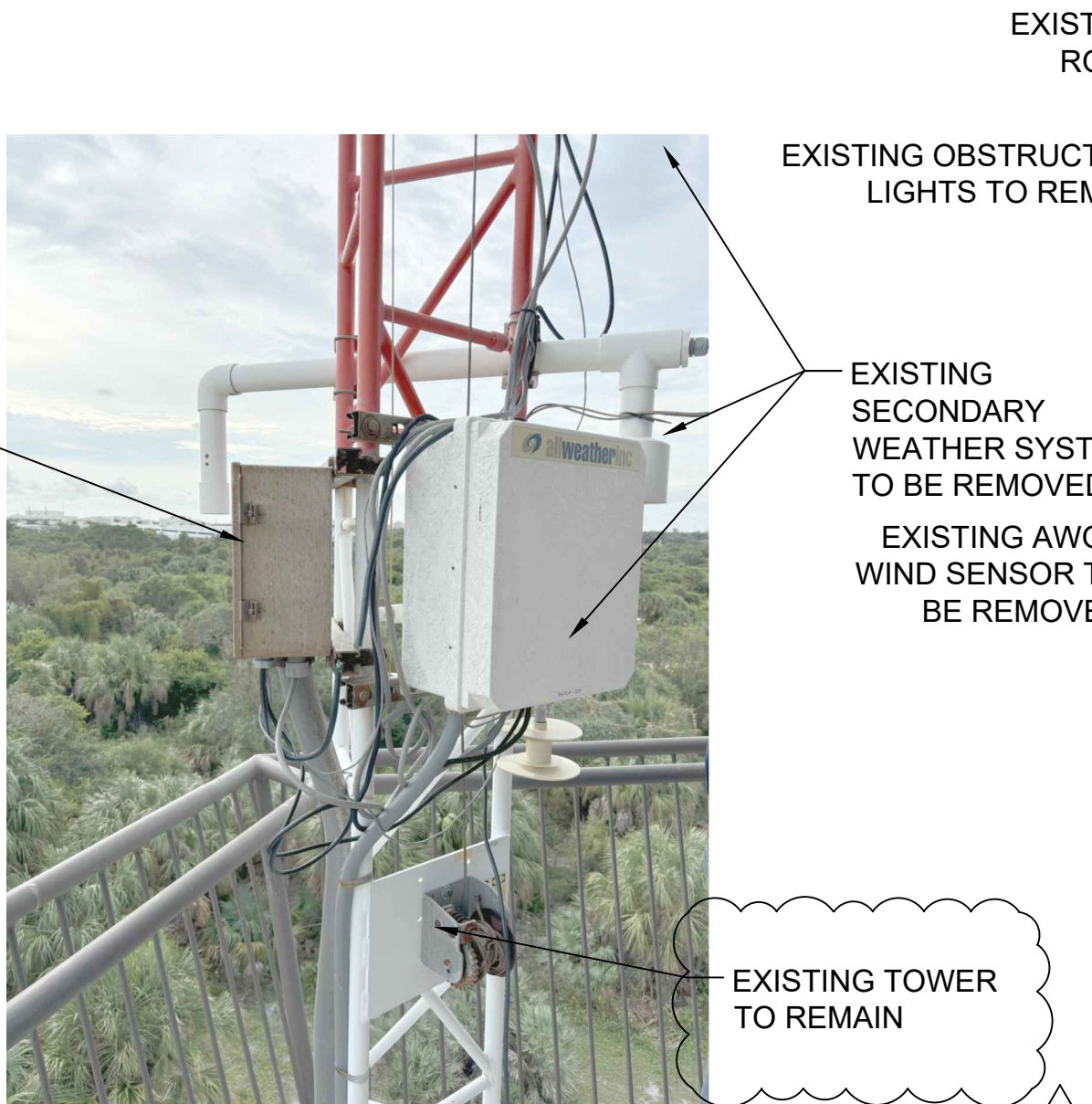


PHOTO 5 - CONTROL TOWER ROOF  
NOT TO SCALE

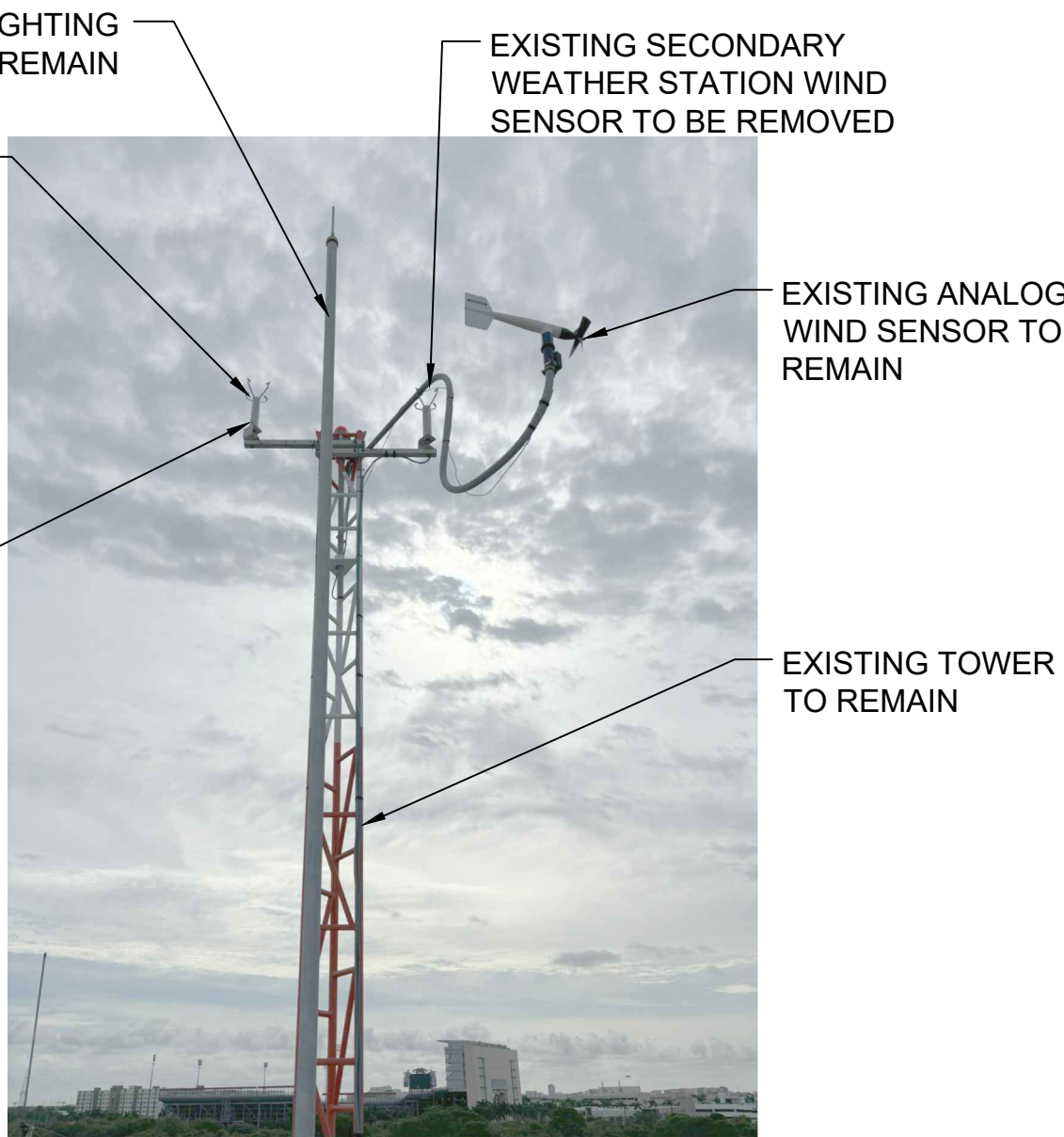


PHOTO 6 - CONTROL TOWER ROOF  
NOT TO SCALE



PHOTO 7 - CONTROL TOWER ROOF  
NOT TO SCALE

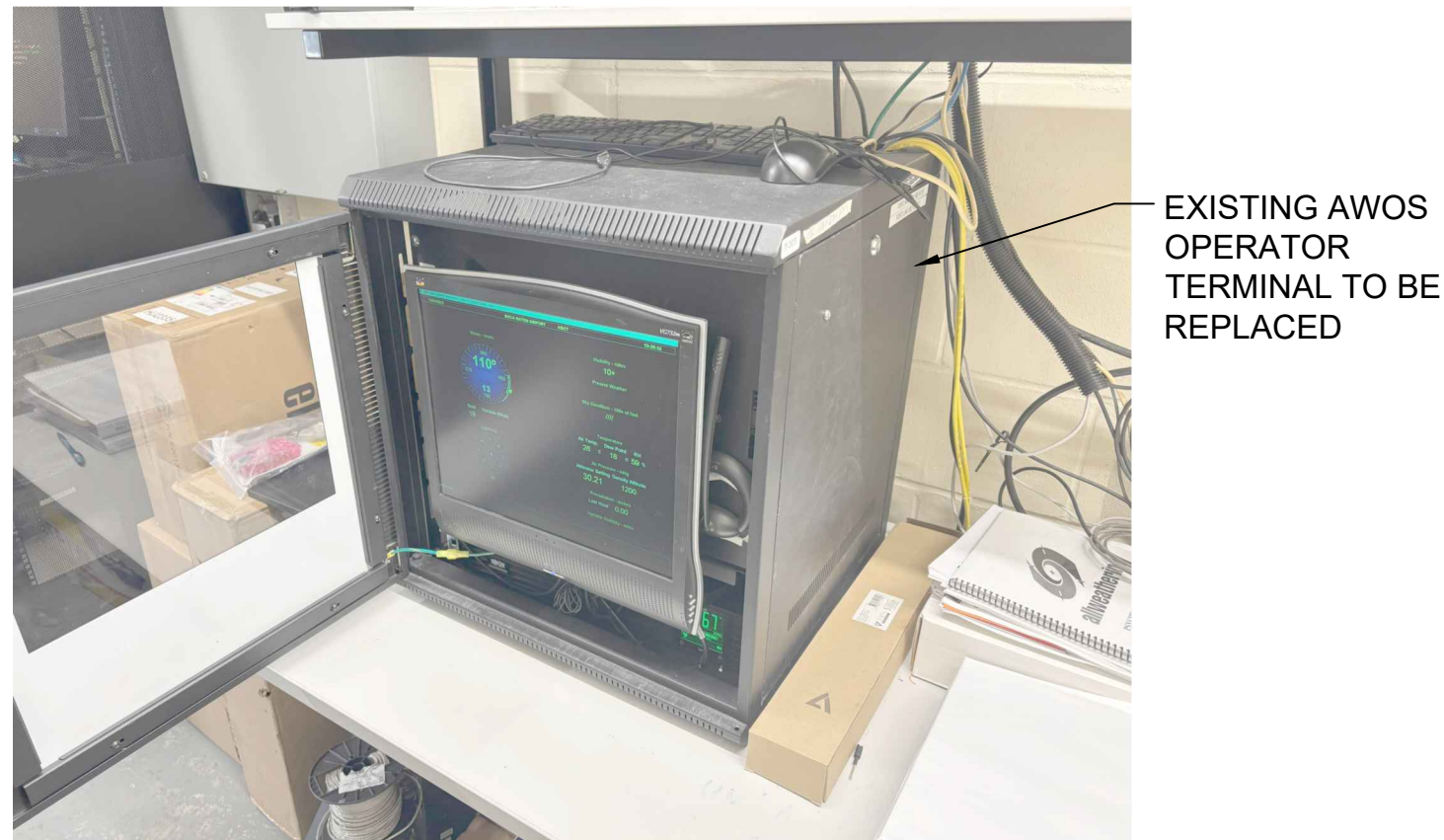


PHOTO 8 - 2ND LEVEL EQUIPMENT ROOM  
NOT TO SCALE

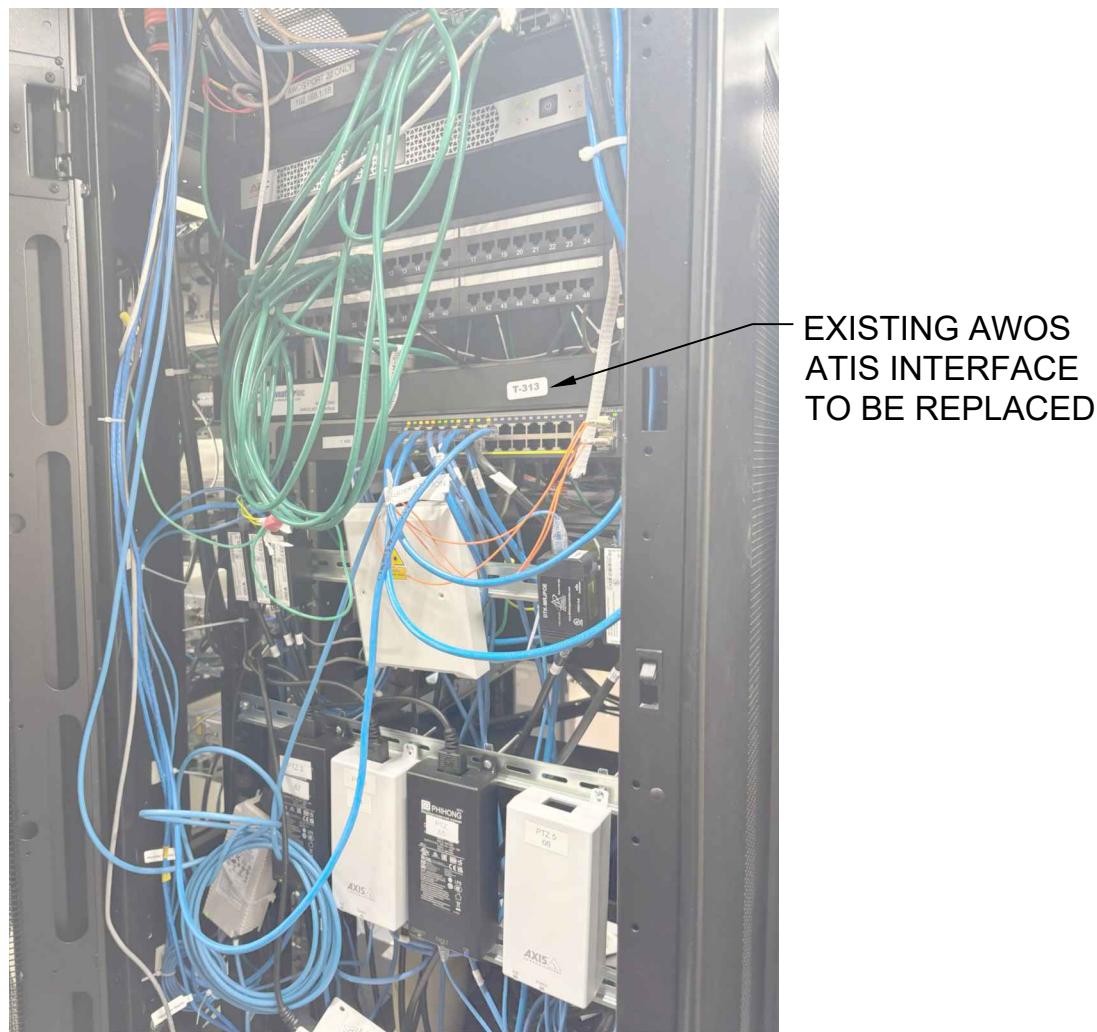


PHOTO 9 - 2ND LEVEL EQUIPMENT ROOM  
NOT TO SCALE

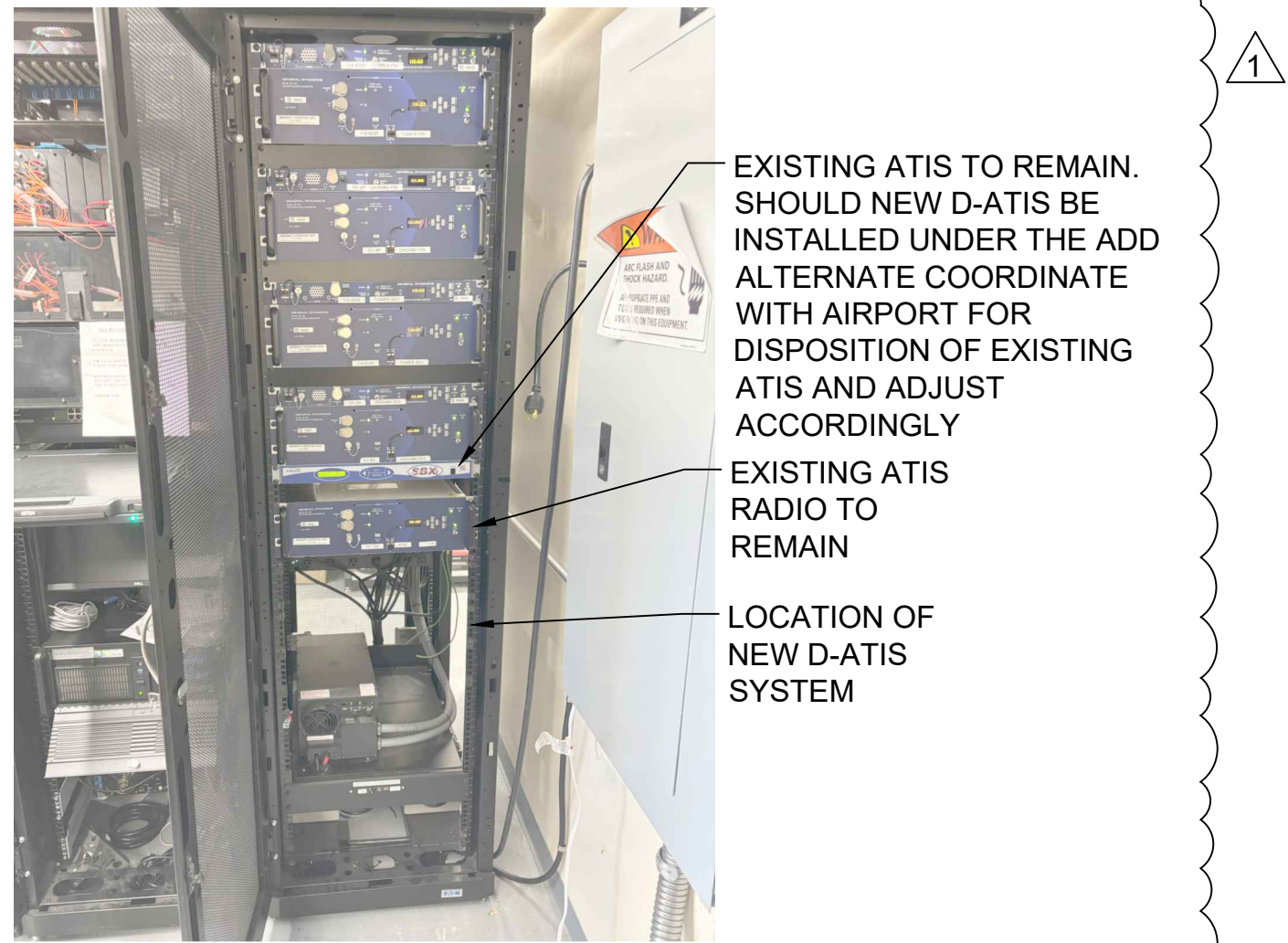
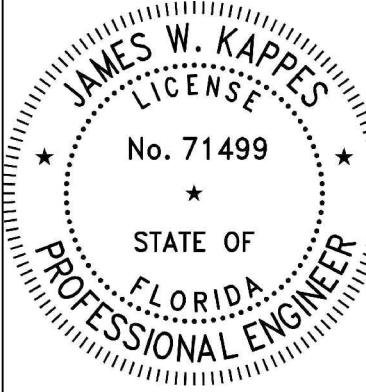


PHOTO 10 - 2ND LEVEL EQUIPMENT ROOM  
NOT TO SCALE



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**QUANTUM**  
Electrical Engineering, Inc.  
2755 VISTA PARKWAY SUITE 1-12  
WEST PALM BEACH, FL 33411  
561-210-9224  
LICENSE NO. CA30805



REV.	DATE	DESCRIPTION	BY
1	4/22/25	ADDENDUM 2	JWK

BOCA RATON AIRPORT  
BOCA RATON, FLORIDA

**BOCA RATON AIRPORT**

BOCA RATON AIRPORT AUTHORITY  
AWOS REPLACEMENT

## ELECTRICAL DETAILS 2

JOB NO.: 2401228  
DATE: APRIL 2025  
DESIGNED BY: JWK  
DRAWN BY: JWK

BAR IS ONE INCH ON ORIGINAL DRAWING  
0 1"  
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

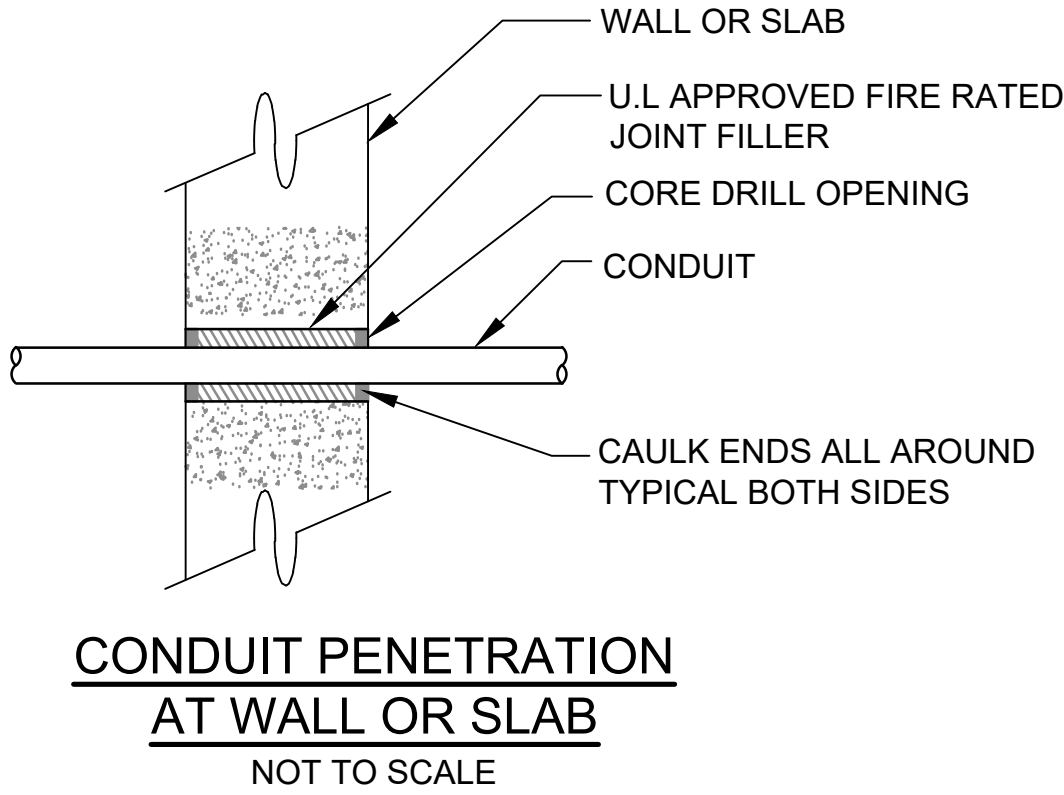
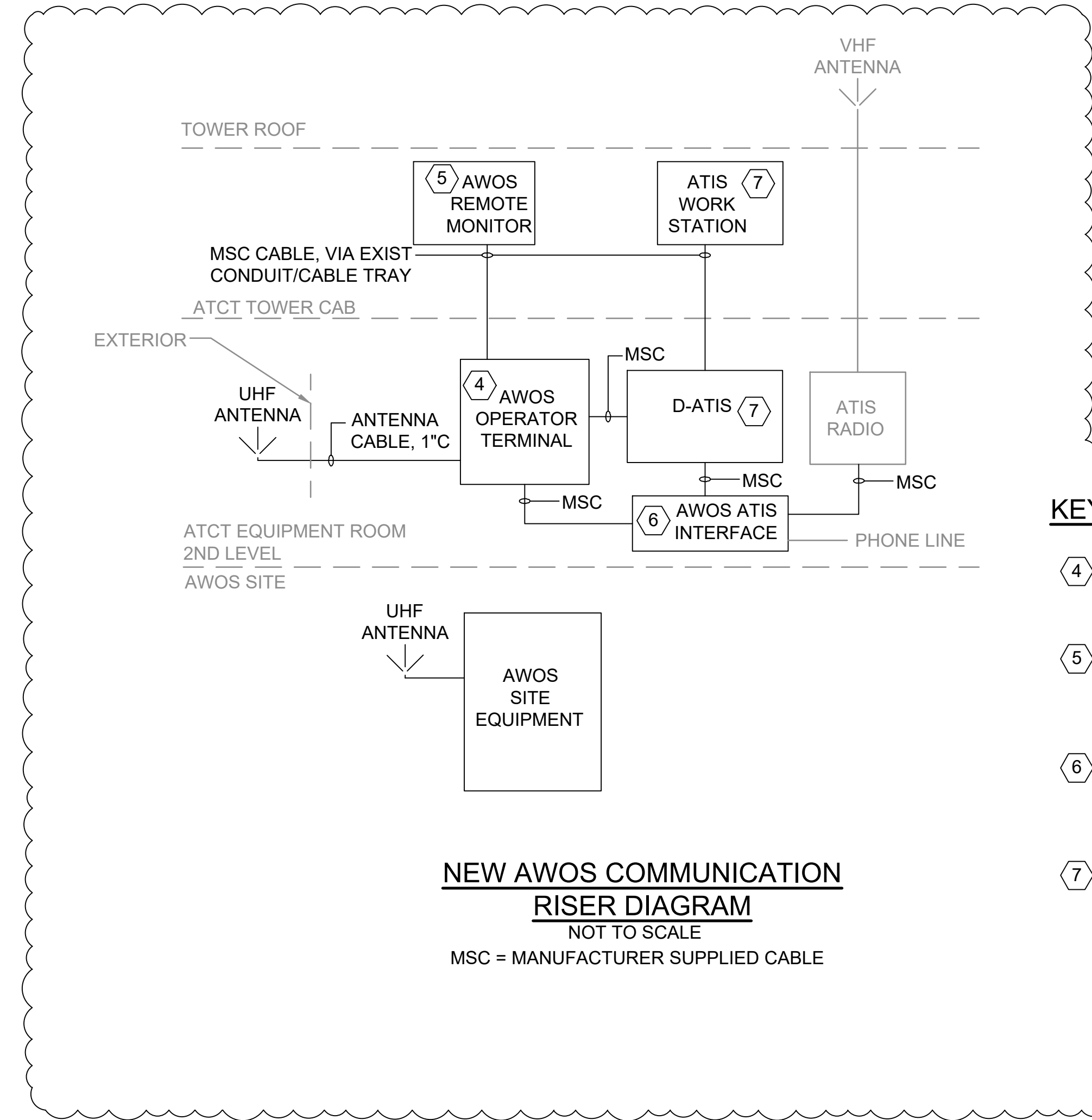
DRAWING NUMBER  
**E202**

SHEET NUMBER  
**13**



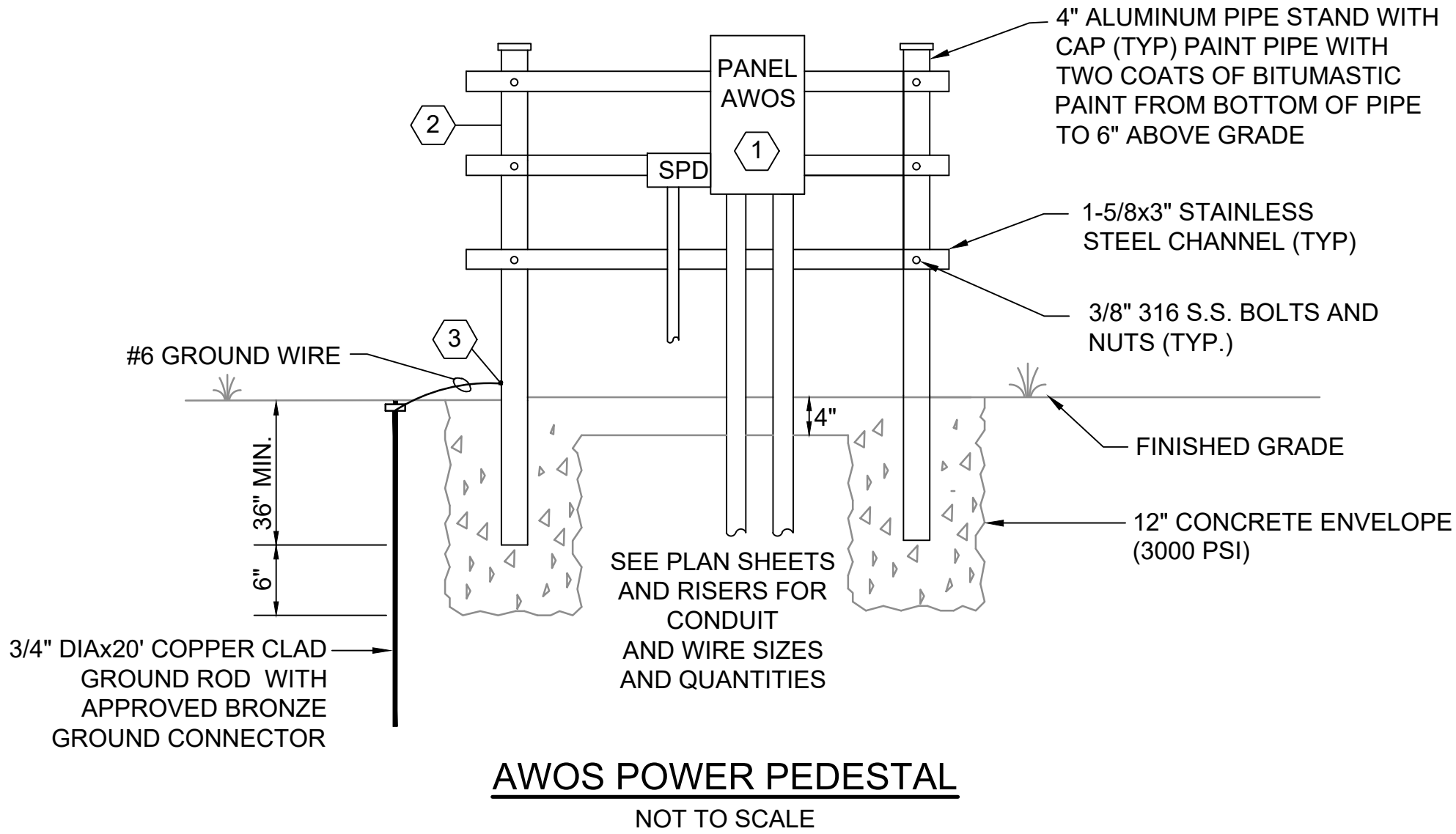
PANEL LP SCHEDULE														
BUS AMPS			CIRCUIT NAME	POLES	AMPS	BUS			AMPS	POLES	CIRCUIT NAME	BUS AMPS		
A	B	C				A	B	C				A	B	C
8.3			L-OFFICES & CORRIDOR	1	20	1	•		2	20	1		8.3	
	8.3		L-ENTRY & CORRIDOR	1	20	3		•	4	20	1		8.3	
		8.3	L-CONFERENCE & BREAK	1	20	5		•	6	20	1			8.3
8.3			L-NOISE, IT, ELEC	1	20	7	•		8	20	1	8.3		
			SPARE	1	20	9		•	10	20	1		8.3	
		14.0	L-PARKING LOT	2	30	11		•	12	20	1			8.3
14.0						13	•		14	20	1	8.3		
	8.3		L-FLAG POLE, LANDSCAPE	1	20	15		•	16	20	1		8.3	
			SPARE	1	20	17		•	18	20	1			
			SPARE	1	20	19	•		20	20	1			
			SPARE	1	20	21		•	22	20	1			
			SPARE	1	20	23	•		24	20	1			
			SPARE	1	20	25	•		26	20	1			
			SPARE	1	20	27		•	28	20	1			
			SPARE	1	20	29		•	30	20	1			
			SPACE			31			32	40	2	6.8		
			SPACE			33		•	34				9.8	
			SPACE			35		•	36					
			SPACE			37			38	30	3			
			SPACE			39	•		40					
			SPACE			41		•	42					

TOTAL AMPS:	BUS A	62.3	BUS B	51.3	BUS C	38.9	KVA	22.42	LOCATION: ELECTRICAL ROOM		
RATED VOLTAGE:	<input checked="" type="checkbox"/> 208Y/120V	<input type="checkbox"/> 480Y/277V	<input type="checkbox"/> 240/120V	BRANCH POLES:		<input type="checkbox"/> 24	<input type="checkbox"/> 30	<input checked="" type="checkbox"/> 42	<input type="checkbox"/> 84		
RATED AMPS:	<input checked="" type="checkbox"/> 100 AMPS	<input type="checkbox"/> 225 AMPS	<input type="checkbox"/> 400 AMPS	<input type="checkbox"/> 600 AMPS	<input checked="" type="checkbox"/> PANELBOARD	<input type="checkbox"/> SWITCHBOARD					
MAIN LUGS ONLY:	<input checked="" type="checkbox"/> UPSTREAM DEVICE:	100 AMPS	<input type="checkbox"/> MAIN BREAKER:	AMPS		<input type="checkbox"/> GFI BREAKERS:					
ELECTRICAL PHASE:	<input type="checkbox"/> 1 PHASE	<input checked="" type="checkbox"/> 3 PHASE	MANUFACTURER:					<input checked="" type="checkbox"/> GROUND BUS			
NEUTRAL BUS:	<input checked="" type="checkbox"/> 100%	<input type="checkbox"/> 150%	<input type="checkbox"/> 200%	SPD:		<input checked="" type="checkbox"/> INTERNAL	<input type="checkbox"/> EXTERNAL				
ENCLOSURE TYPE:	<input checked="" type="checkbox"/> NEMA 1	<input type="checkbox"/> NEMA 3R	<input type="checkbox"/> NEMA 4X	MOUNTIN		<input checked="" type="checkbox"/> SURFACE	<input type="checkbox"/> FLUSH	<input checked="" type="checkbox"/> HINGED DOOR			
PANELBOARD MUST BE FULLY RATED TO INTERRUPT A SHORT CIRCUIT:						22 ,000 AMPS SYMETRICAL	SUBFEED:		<input type="checkbox"/> LUGS	<input type="checkbox"/> BREAKER	



#### KEYED NOTES CONTINUE:

- CONTRACTOR SHALL PROVIDE AND INSTALL NEW AWOS OPERATOR TERMINAL IN EQUIPMENT ROOM. LOCATE OPERATOR TERMINAL IN THE SAME LOCATION AS EXISTING. PROVIDE AND INSTALL ALL CONNECTIONS FOR A COMPLETE WORKING SYSTEM IN PLACE.
- CONTRACTOR SHALL PROVIDE AND INSTALL A NEW AWOS REMOTE MONITOR IN TOWER CAB. MOUNT REMOTE MONITOR IN THE SAME LOCATION AS EXISTING. PROVIDE AND INSTALL ALL CABLING AND MOUNTING HARDWARE AS NECESSARY FOR A COMPLETE WORKING SYSTEM IN PLACE.
- CONTRACTOR SHALL PROVIDE AND INSTALL AN INTERFACE BETWEEN THE AWOS AND ATIS TO ALLOW FOR THE ATIS TO BROADCAST DURING AIR TRAFFIC CONTROL TOWER (ATCT) HOURS OF OPERATION (0700-2300) AND THE AWOS TO BROADCAST WHEN ATCT IS OUTSIDE THE HOURS OF OPERATION (2300-0700).
- CONTRACTOR SHALL PROVIDE AND INSTALL A NEW DATALINK AUTOMATIC TERMINAL INFORMATION SERVICE (D-ATIS) SYSTEM WITH OPERATOR WORK STATION, MOUNTING HARDWARE, CABLING AND GROUNDING. OPERATOR WORK STATION SHALL INCLUDE A TOUCH SCREEN WITH MICROPHONE AND BE LOCATED IN THE TOWER CAB AND RACK MOUNTED D-ATIS SERVERS LOCATED IN THE EQUIPMENT ROOM. CONNECT D-ATIS TO NEW AWOS AND EXISTING VHF RADIO, PHONE LINES, LEGAL REORDER, VOICE SWITCH AND MASTER CLOCK SYSTEMS AND PROVIDE ALL PROGRAMMING AS NECESSARY FOR A COMPLETE WORKING SYSTEM IN PLACE. SUPPLY TWO DAYS (4 HOURS EACH) OF MANUFACTURER TRAINING TO AIR TRAFFIC CONTROLLERS.

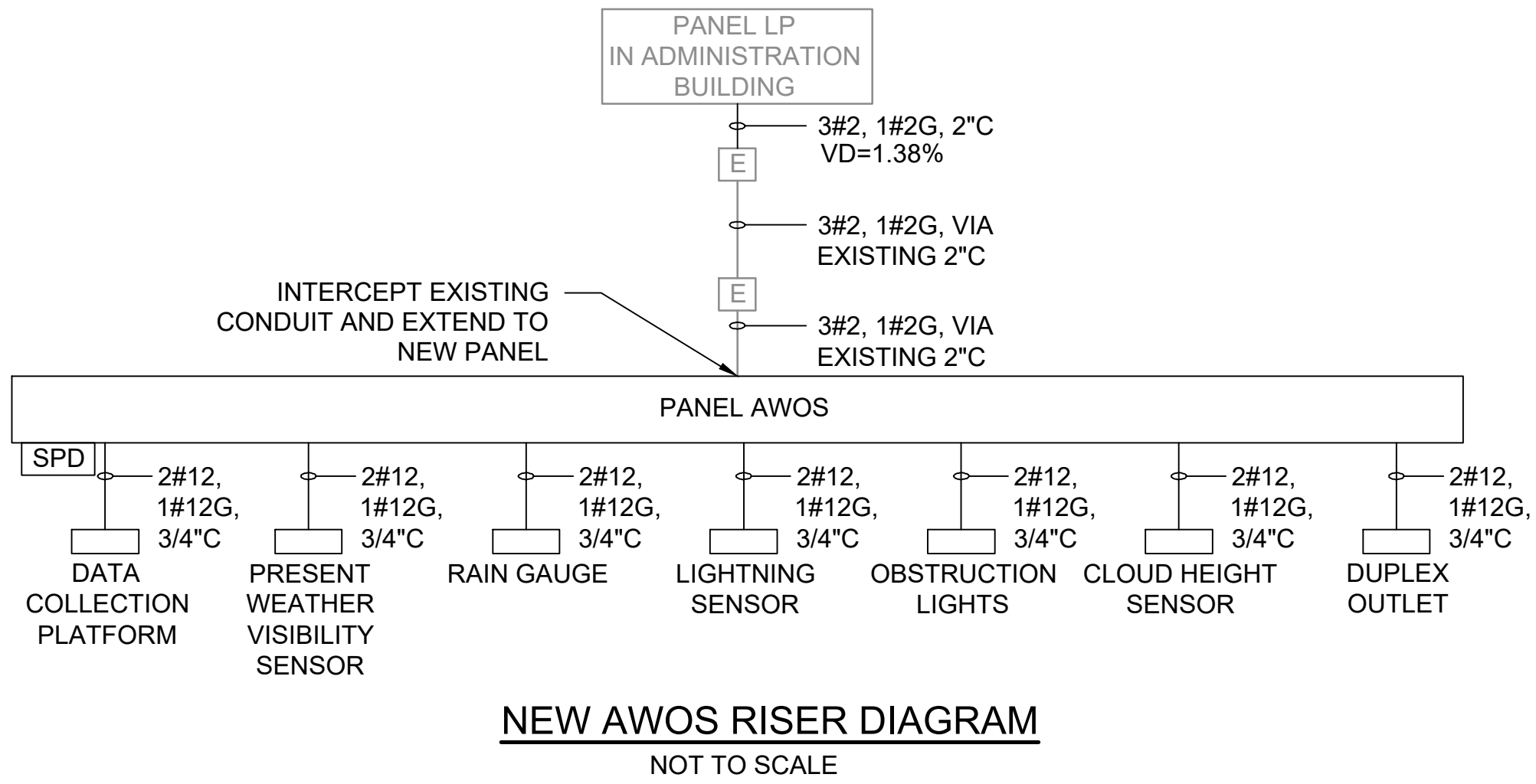


#### KEYED NOTES:

- CONTRACTOR SHALL PROVIDE AND INSTALL NEW PANEL IN A NEMA 3R 316 STAINLESS STEEL LOCKABLE ENCLOSURE. CONTRACTOR SHALL PROVIDE AND INSTALL AN EXTERNAL SURGE PROTECTIVE DEVICE (SPD), EATON CUTLER-HAMMER MODEL NUMBER CPS-160 240SSO OR APPROVED ALTERNATE IN A NEMA 4X ENCLOSURE. CONTRACTOR SHALL MAKE ALL NECESSARY CONNECTIONS FOR A COMPLETE WORKING SYSTEM SYSTEM IN PLACE.
- CONTRACTOR SHALL ADJUST THE SIZE OF THE PEDESTAL AT NO ADDITIONAL COST TO THE OWNER TO ACCOMMODATE THE DIFFERENT EQUIPMENT SIZES.
- CONTRACTOR SHALL PROVIDE AND INSTALL GROUNDING FOR ALL METAL SUPPORTS AND EQUIPMENT ATTACHED BY A MECHANICAL LUG AND BOLTED TO EQUIPMENT AND CONNECTED TO GROUNDING SYSTEM.

PANEL AWOS														
BUS AMPS		CIRCUIT NAME	POLES	AMPS	BUS			AMPS	POLES	CIRCUIT NAME	BUS AMPS			
A	B				A	B					A	B		
2.4		DATA COLLECTION PLATFORM	1	15	1	●		2	15	1	OBSTRUCTION LIGHTS	1.9		
	1	PRESENT WEATHER VISIBILITY SENSOR	1	15	3		●	4	20	1	CLOUD HEIGHT SENSOR		4.8	
1		RAIN GAUGE	1	15	5		●	6	15	1	DUPLEX OUTLET	1.5		
	1	LIGHTNING SENSOR	1	15	7		●	8	15	1	SPARE		3	
		SPARE	1	15	9	●		10	30	1	SPD			
		SPARE	1	15	11		●	12	I	I	I			

TOTAL AMPS:		BUS A		6.8	BUS B		9.8	KVA		20.38	LOCATION: AWOS POWER PEDESTAL			
RATED VOLTAGE:		<input checked="" type="checkbox"/> 208Y/120V		<input type="checkbox"/> 480Y/277V		<input type="checkbox"/> 240/120V		BRANCH POLES:		<input checked="" type="checkbox"/> 12	<input type="checkbox"/> 30	<input type="checkbox"/> 42	<input type="checkbox"/> 84	
RATED AMPS:		<input checked="" type="checkbox"/> 100 AMPS		<input checked="" type="checkbox"/> 250 AMPS		<input type="checkbox"/> 400 AMPS		<input type="checkbox"/> 600 AMPS		<input checked="" type="checkbox"/> PANELBOARD		<input type="checkbox"/> SWITCHBOARD		
MAIN LUGS ONLY:		<input type="checkbox"/> UPSTREAM DEVICE:				<input checked="" type="checkbox"/> MAIN BREAKER: 40 AMPS				<input type="checkbox"/> TOP FED		<input checked="" type="checkbox"/> BOTTOM FED		
ELECTRICAL PHASE:		<input checked="" type="checkbox"/> 1 PHASE		<input type="checkbox"/> 3 PHASE		MANUFACTURER:				<input type="checkbox"/> GFI BREAKERS:		<input checked="" type="checkbox"/> GROUND BUS		
NEUTRAL BUS:		<input checked="" type="checkbox"/> 100%		<input type="checkbox"/> 150%		<input type="checkbox"/> 200%		SPD:		<input type="checkbox"/> INTERNAL		<input checked="" type="checkbox"/> EXTERNAL		
ENCLOSURE TYPE:		<input type="checkbox"/> NEMA 1		<input checked="" type="checkbox"/> NEMA 3R		<input type="checkbox"/> NEMA 4X		MOUNTING:		<input checked="" type="checkbox"/> SURFACE		<input type="checkbox"/> FLUSH		
										<input type="checkbox"/> SURFACE		<input type="checkbox"/> FLUSH		
PANELBOARD MUST BE FULLY RATED TO INTERRUPT A SHORT CIRCUIT:								10 ,000 AMPS SYMMETRICAL		SUBFEED:		<input type="checkbox"/> LUGS		
												<input type="checkbox"/> BREAKER		





BOCA RATON AIRPORT					
AWOS Replacement					
100% Engineer's Estimate - Addendum No. 2					
April 24, 2025					
ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT COST	ITEM COST
BASE BID					
L-126-5.1	DEMOLISH EXISTING AWOS IIPT, COMPLETE.	LS	1	\$ 20,000.00	\$ 20,000.00
L-126-5.2	NEW AWOS IIPT, COMPLETE IN PLACE.	LS	1	\$ 336,000.00	\$ 336,000.00
SUBTOTAL					\$ 356,000.00
ADDITIVE ALTERNATE 1					
L-126-5.3	NEW D-ATIS, COMPLETE IN PLACE.	LS	1	\$ 75,000.00	\$ 75,000.00
SUBTOTAL					\$ 75,000.00
BASE BID + ADDITIVE ALTERNATE 1 TOTAL					\$ 431,000.00