

State of Vermont  
Department of Buildings & General Services  
SPRINGFIELD STATE AIRPORT  
NEW ELECTRICAL SERVICE PANEL AND FIXTURES  
15 Airport Road  
Springfield, Vermont

AGENCY OF ADMINISTRATION  
DEPT. OF BUILDINGS & GENERAL SERVICES  
2 GOVERNOR AIKEN AVENUE  
MONTPELIER, VERMONT 05633-5801  
R. TASHA WALLIS, COMMISSIONER

AGENCY OF TRANSPORTATION  
NATIONAL LIFE BUILDING  
MONTPELIER, VERMONT 05633-5001  
DAWN TERRILL, SECRETARY



James Douglas  
Governor

March 2006

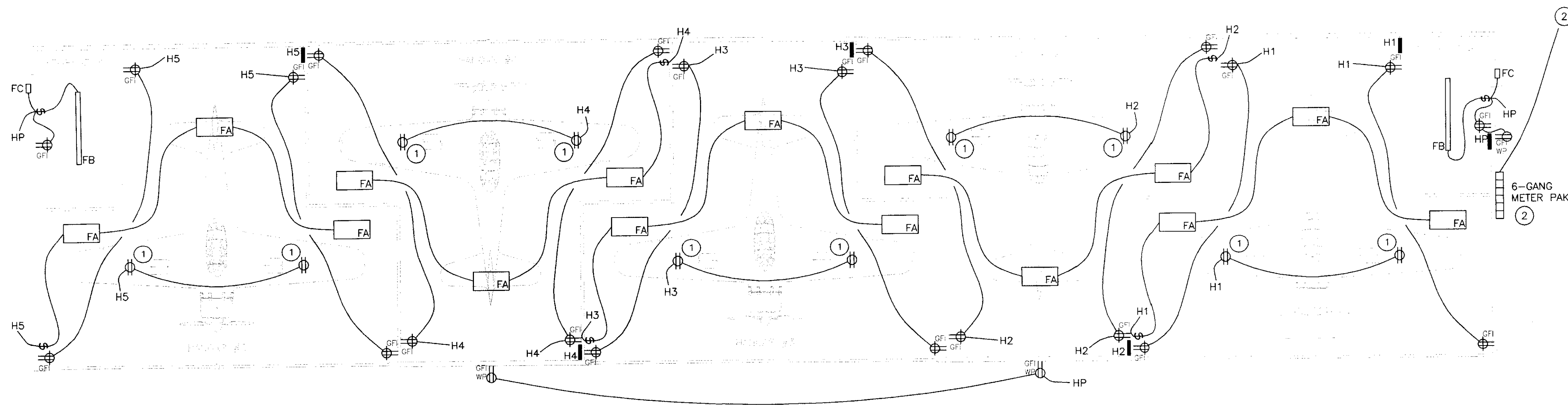
INDEX OF SHEETS

E1 ELECTRICAL

ELECTRICAL ENGINEER:

PEARSON & ASSOCIATES  
POST OFFICE BOX 610  
STOWE, VERMONT 05672

SET # 6  
DO NOT COPY



- GENERAL NOTES:**
- EQUIPMENT AND MATERIALS REMOVED OR DEMOLISHED AND NOT TO BE REINSTALLED BY THE EC SHALL BE CLASSIFIED BY THE OWNER AS SALVAGE OR SCRAP. THOSE CLAIMED BY THE OWNER SHALL BE DELIVERED TO THE OWNER BY THE EC WHERE DIRECTED AT THE SITE. THOSE NOT CLAIMED BY THE OWNER SHALL BECOME PROPERTY OF THE EC AND SHALL BE LEGALLY REMOVED FROM THE SITE AND PREMISES.
  - ANY PLACE WHERE THE CONTRACTOR PENETRATES, CUTS AND/OR REMOVES WALLS, CONTRACTOR IS TO REPLACE, PATCH AND PAINT WALLS TO ORIGINAL FINISHES.
  - FIELD VERIFY ALL DIMENSIONS BEFORE COMMENCEMENT OF WORK. NOTIFY ENGINEER OF ANY ERRORS. CONTRACTOR IS RESPONSIBLE FOR INSPECTING THE FACILITY PRIOR TO BID DATE. NO ADDITIONAL COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR FAILURE TO EXAMINE EXISTING CONDITIONS.
  - ALL ITEMS SHOWN SHALL BE COMPLETELY REMOVED & PROPERLY DISPOSED OF UNLESS OTHERWISE NOTED.
  - REFER TO THE ARCHITECTURAL PLANS FOR EXTENT OF DEMOLITION WORK TO BE PERFORMED BY THE GENERAL CONTRACTOR. ALL ITEMS THAT NEED TO BE REMOVED BY THE GC SHALL HAVE THE POWER DISCONNECTED BY THE EC.
  - NOT ALL DEVICES TO BE REMOVED OR DISCONNECTED ARE SHOWN. ALL EXISTING WIRING, ELECTRICAL DEVICES & EQUIPMENT SHALL BE COMPLETELY REMOVED. REFER TO ARCH. PLANS FOR TOTAL EXTENT OF DEMOLITION WORK.
  - BUILDING IS EXISTING. WIRING IN EXTERIOR WALLS SHALL BE FISHED AS NECESSARY. SOME INTERIOR PARTITIONS ARE EXISTING. WIRING IN THESE WALLS MAY NEED TO BE FISHED. REFER TO ARCHITECTURAL PLANS FOR FULL EXTENT OF EXISTING CONDITIONS. NO SURFACE RACEWAY TO BE INSTALLED WITHOUT WRITTEN AUTHORIZATION FROM ARCHITECT.
  - REFER TO ALL MECHANICAL DRAWINGS FOR ELECTRICAL COORDINATION.

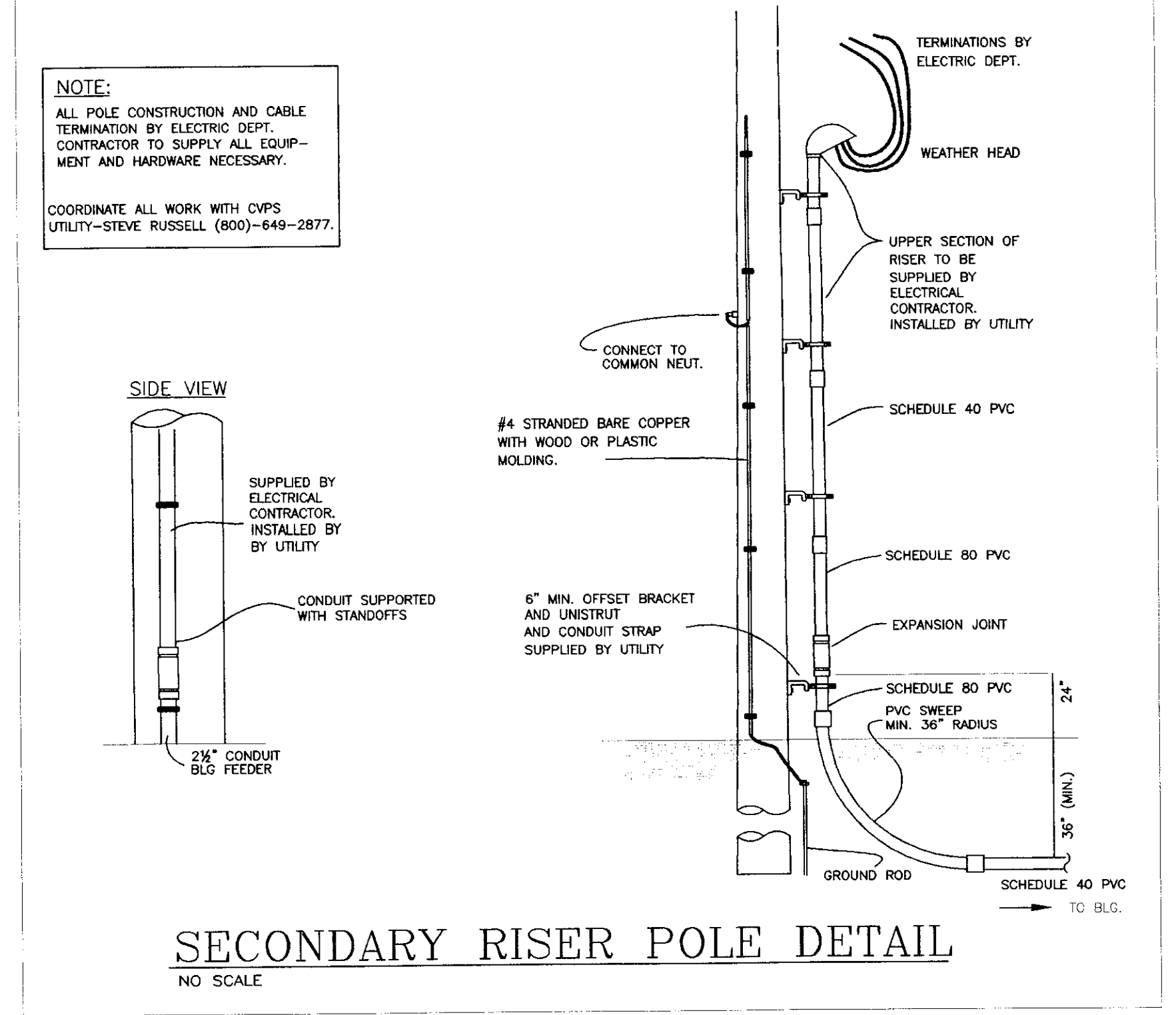
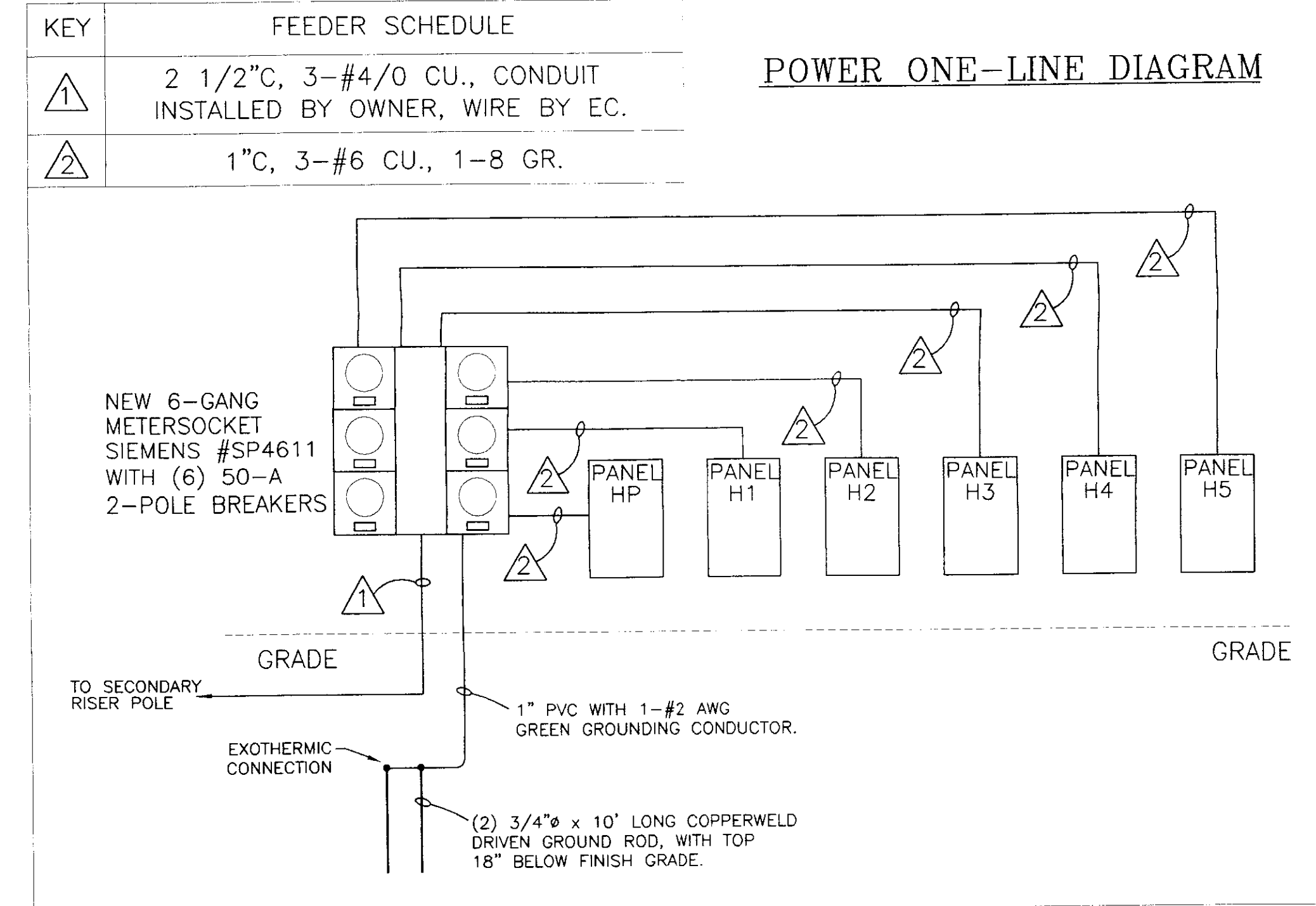
- KEYED NOTES:**
- MOUNT RECEPTACLE ON CEILING JOISTS FOR FUTURE DOOR OPENERS. TYPICAL OF ALL.
  - PROVIDE A 200A, SINGLE PHASE UNDERGROUND SERVICE TO CVPS UTILITY POLE #28-01A. EXCAVATION, TRENCHING, & CONDUIT WILL BE PERFORMED & INSTALLED BY THE OWNER. CONTRACTOR SHALL PROVIDE & INSTALL ALL MATERIALS REQUIRED FOR THE RISER POLE PER CVPS SPECIFICATIONS. CONTRACTOR SHALL PROVIDE & INSTALL ALL WIRING & MISC. MATERIALS REQUIRED FOR A COMPLETE INSTALLATION. REFER TO ONE-LINE DIAGRAM AND RISER POLE DETAIL. THE LINEAR DISTANCE FROM THE METERPAK TO THE UTILITY POLE IS 240'.

**ELECTRICAL PLAN**  
SCALE: 1/8" = 1'-0"  
HORIZONTAL SCALE IN FEET

**PANEL DESIGNATION SCHEDULE**

PANEL: H1 THRU H5      LOCATION: HANGAR 1 THRU HANGAR 5  
MOUNTING: SURFACE  
10,000 AIC      MAINS: 120/240V, 1ϕ, 50A MAIN CIRCUIT BREAKER  
CONNECTED LOAD: 1.9 kW

CKT NO.	kW LOAD	DESCRIPTION	BREAKER		DESCRIPTION	kW LOAD	CKT NO.
			P	AMP			
1	0.5	RECEPTACLES	1	20	RECEPTACLES	0.5	2
3	0.4	LIGHTING	1	20	CEILING RECEPTACLES	0.5	4
5		SPARE	1	20	SPARE		6
7		SPACE			SPACE		8
9		SPACE			SPACE		10
11		SPACE			SPACE		12



**PANEL DESIGNATION SCHEDULE**

PANEL: HP      LOCATION: STORAGE  
MOUNTING: SURFACE  
10,000 AIC      MAINS: 120/240V, 1ϕ, 50A MAIN CIRCUIT BREAKER  
CONNECTED LOAD: 2.5 kW

CKT NO.	kW LOAD	DESCRIPTION	BREAKER		DESCRIPTION	kW LOAD	CKT NO.
			P	AMP			
1	1.0	STORAGE #1	1	20	STORAGE #2	1.0	2
3	0.5	RECEPTACLES	1	20	SPARE		4
5		SPACE		20	SPARE		6
7		SPACE			SPACE		8
9		SPACE			SPACE		10
11		SPACE			SPACE		12

- ELECTRICAL LEGEND**
- FLUORESCENT FIXTURE
  - ○ ○ LIGHT FIXTURE
  - ⚡ SWITCH - SINGLE POLE, SERVICE SWITCH FOR MOTORS
  - ▨ ELECTRICAL DISTRIBUTION PANEL
  - BRANCH CIRCUIT
  - Ⓜ Ⓜ JUNCTION BOX
  - ⊕ DUPLEX RECEPTACLE-24" AFF
  - ⊕Ⓜ DUPLEX RECEPTACLE-GFCI PROTECTED
  - AFF ABOVE FINISH FLOOR
  - EC ELECTRICAL CONTRACTOR (DIVISION 16)
  - GC GENERAL CONTRACTOR
  - ES EQUIPMENT SUPPLIER
  - TYP. TYPICAL OF ALL

**LIGHTING FIXTURE SCHEDULE**

TYPE	MANUFACTURER & MODEL NO.	MOUNTING	LAMPS	VOLTS	REMARKS
FA	COLUMBIA LHEW4-432-ST-4EBBZ-120-M4R	SURFACE	(4) F32T8	120	0'F BALLAST & LAMPS
FB	COLUMBIA CSR8-232-ZEBB-120-CSWGB	CHAIN-HUNG	(4) F32T8	120	0'F BALLAST & LAMPS WITH WIRE GUARD
FC	RUUD E4405-D-BS-120P-V	SURFACE	50W MH	120	PHOTOCELL CONTROLLED, DO NOT WIRE THROUGH SWITCH