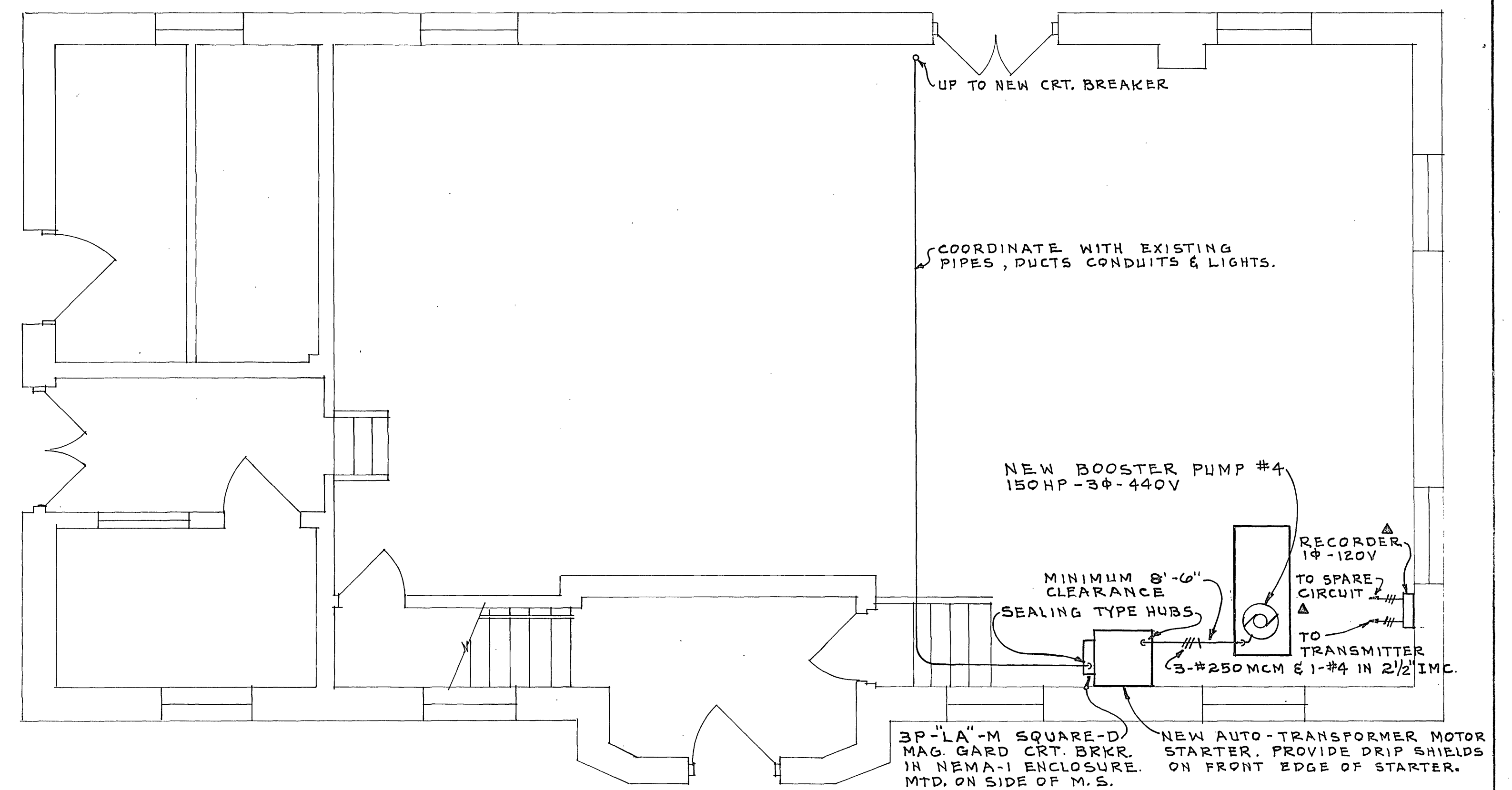
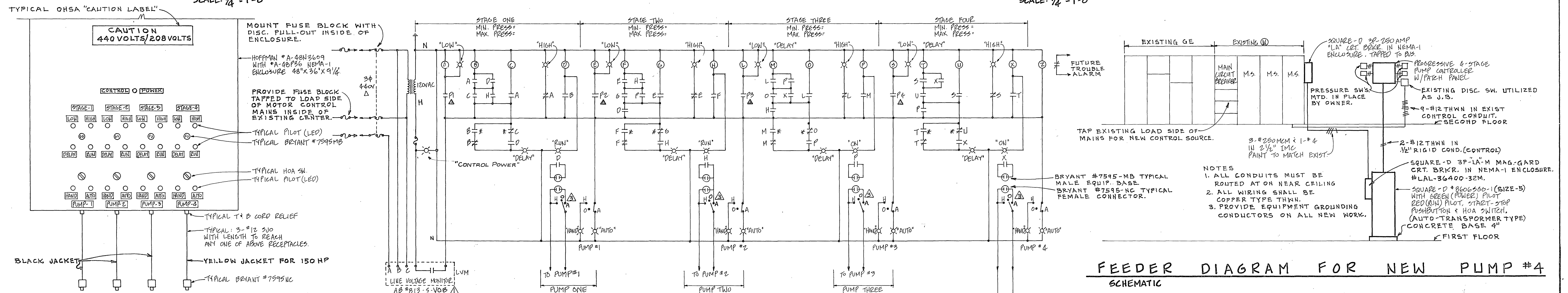




FIRST FLOOR PLAN

SCALE: $\frac{1}{4}" = 1'-0"$



FEEDER DIAGRAM FOR NEW PUMP #4
SCHEMATIC

PROGRESSION.

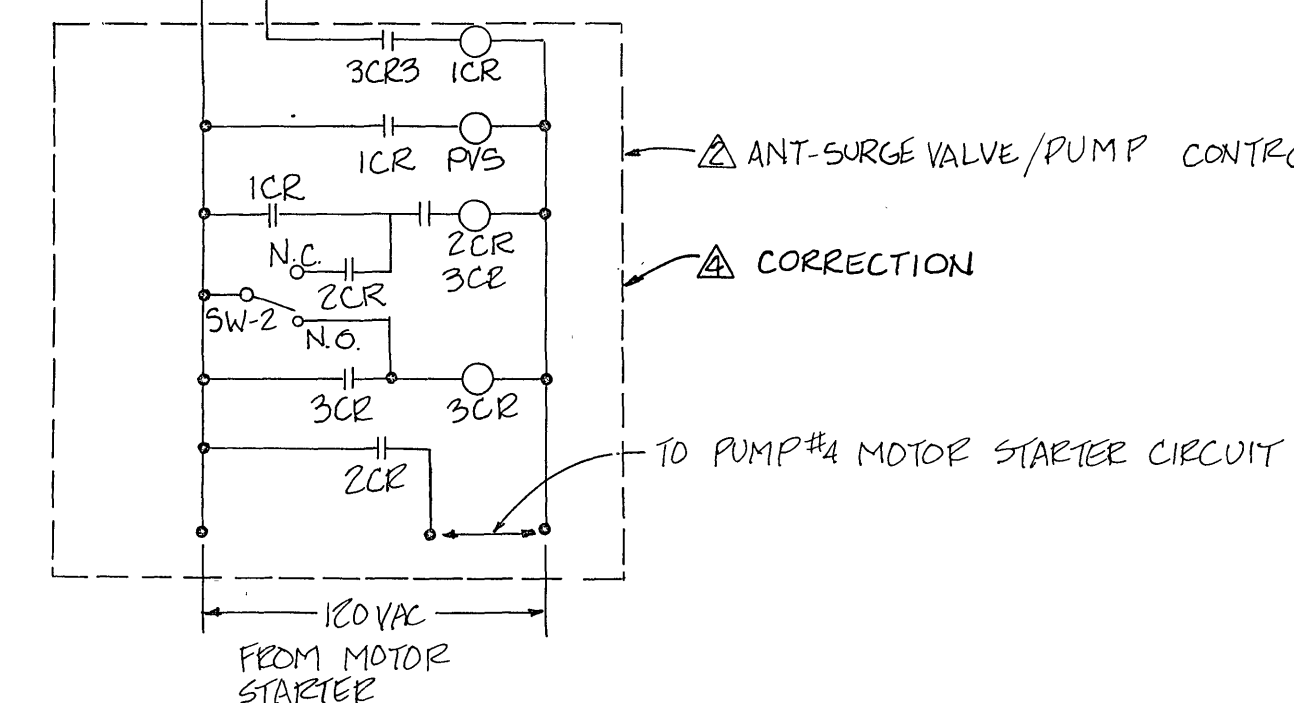
PROGRESSIVE	FOUR	STAGE	PUMP	
CONTROLLER	WITH	PATCH	CORD	PANEL

SCHEMATIC

SCHEMATIC

1CR- ALLEN BRADLEY 700-C200-A1
2CR- ALLEN BRADLEY 700-C200-A1
3CR- ALLEN BRADLEY 700-C400-A-1
PVS-PILOT VALVE SOLENOID FURNISHED IN PLACE OF A SURGE VALVE.
SW2- LIMIT SWITCH FURNISHED IN PLACE ON SURGE VALVE.

1. *INSTANT AUXILIARY CONTACT.
2. ALL INTERNAL WIRING #14 THWN CU.
3. ALL EXTERNAL WIRING #12 THWN CU.
4. OWNER FURNISHED IN-PLACE.
5. RELAYS A, D, E, H, L, P, S, X AND Z SHALL BE ALLEN-BRADLEY #7000-C400-A1 (OPEN).
6. RELAYS (ON-DELAY) B, F, M, AND T SHALL BE ALLEN-BRADLEY #849-Z0D32-1, (30 SEC.).
7. RELAYS (OFF-DELAY) C, G, O & U SHALL BE ALLEN-BRADLEY #849-Z0D33-1, (40 SEC.).
8. PILOT LIGHTS 120 VOLT HIGH INTENSITY L.E.D.'S. (NO INCANDESCENT OR NEON) (24 VAC LED AND DROP RESISTOR).
9. PRESSURE SETTINGS BY OWNER MUST BE PROGRESSIVE SETTINGS OR CONTROLLER WILL NOT FUNCTION IN PROPER PROGRESSION.



REVISIONS △ CORRECTIONS 1-25-84 △ ANTI-SURGE VALVE REQUESTED BY CITY 4-27-84 △ AS BUILT 2-84 △ ANTI-SURGE CORRECTION BY SRW 5-15-84	
CITY OF ROANOKE CRYSTAL SPRING PUMPING STATION	
 SOWERS, RODAS & WHITESCARVER CONSULTING ENGINEERS ROANOKE, VIRGINIA	DESIGNED DEJ DRAWN ECH/LWB CHECKED DEJ DRAWING NUMBER E-1
COMM. NO.: 1202	DATE: 8-3-83