

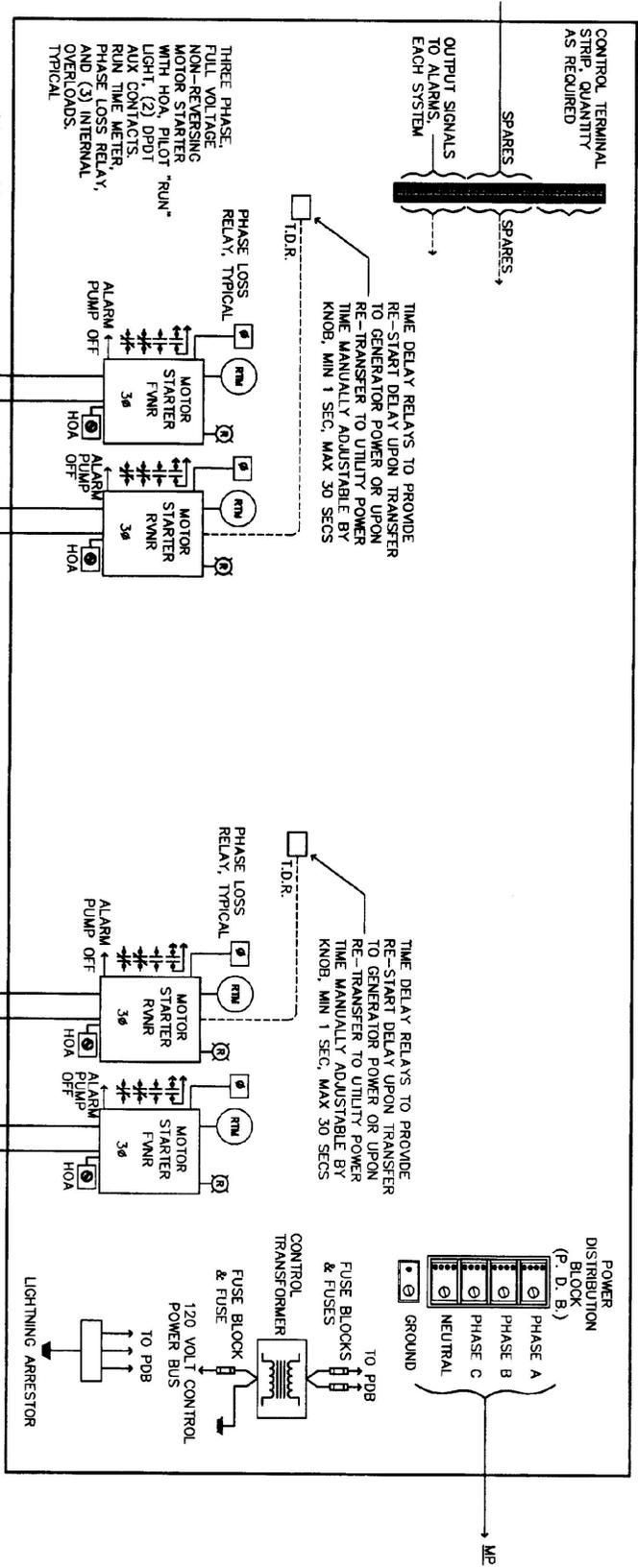
ELECTRICAL SYMBOL LIST

* NOT ALL DEVICES ARE NECESSARILY USED

- A FLUORESCENT STRIP FIXTURE
- B WALL BRACKET
- C EXTERIOR, WALL MTD. FIXTURE.
- D RECESSED, FLUORESCENT FIXTURE
- E CEILING FIXTURE
- BU EMERGENCY BATTERY UNIT, NO ATTACHED HEADS
- BU EMERGENCY BATTERY UNIT, ATTACHED HEADS
- BU EXIT SIGN, SELF POWERED
- BU EXIT SIGN, SELF POWERED, WALL MOUNTED
- S SINGLE POLE SWITCH 20 AMP 125 VOLT TOGGLE
- S₁ 3-WAY SWITCH 20 AMP 125 VOLT TOGGLE
- S₂ 4-WAY SWITCH 20 AMP 125 VOLT TOGGLE
- S₃ PILOT LIGHT SWITCH 20 AMP 125 VOLT TOGGLE, FLUSH MOUNT
- S₄ SEE NOTES AT DEVICE FOR SPECIFIC MOUNTING INSTRUCTIONS
- S₅ OIL BURNER SHUT OFF SWITCH
- S₆ DUPLEX RECEPTACLE 20 AMP 125 VOLT
- S₇ DUPLEX RECEPTACLE ABOVE COUNTER AND BACKSPLASH, VERIFY FINAL MOUNTING HEIGHT ON SITE PRIOR TO ROUGH IN.
- S₈ DUPLEX RECEPTACLE, SPLIT WIRE, TOP HALF SWITCH CONTROLLED UNDER ONE 2-GANG PLATE, WIRE TO COMMON CIRCUIT AS SHOWN
- S₉ DOUBLE DUPLEX RECEPTACLE, INSTALL IN 2-GANG BOX
- S₁₀ DUPLEX RECEPTACLE WITH WEATHERPROOF GASKETED COVER
- S₁₁ GROUND FAULT TYPE DUPLEX RECEPTACLE 20 AMP 125 VOLT CLASS A WITH 20 AMP FEED THROUGH RING, SINGLE OR DOUBLE GROUNDING (MIN 88.9 mm WALL BOX)
- S₁₂ GROUND FAULT TYPE DUPLEX RECEPTACLE WITH WEATHERPROOF-IN-USE COVER, INSTALL IN SEPARATE SINGLE GANG BOX WHERE SHOWN ON PLANS (MIN 88.9 mm WALL BOX)
- S₁₃ TELEPHONE OUTLET, WALL OR PLY TYPE AS NOTED
- S₁₄ TELEPHONE OUTLET, WALL OR PLY TYPE AS NOTED
- S₁₅ COMPUTER OUTLET BOX AND CONDUIT DROP
- S₁₆ WIRING HOME RUN TO PANEL AS NOTED. (2) #12 (1) #12 GND MIN. BACK TO 20 AMP SINGLE POLE BREAKER UNLESS NOTED OTHERWISE.
- S₁₇ INDICATES (2) POWER CONDUCTORS WITH FULL SIZE GROUND.
- S₁₈ INDICATES (3) POWER CONDUCTORS WITH FULL SIZE GROUND.
- S₁₉ INDICATES (4) POWER CONDUCTORS WITH FULL SIZE GROUND.
- S₂₀ CABLE OR RACEWAY RUN CONCEALED IN WALLS OR CEILINGS SURFACE MOUNTED UNFINISHED AREAS.
- S₂₁ UNDERSLAB RACEWAY AS NOTED.
- S₂₂ EMERGENCY LIGHTING LOW VOLTAGE (12 VDC) WIRING, RUN CONCEALED IN WALLS OR ABOVE CEILINGS SURFACE MOUNTED ONLY IN UTILITY AREAS OR WHERE SPECIFICALLY ALLOWED.
- S₂₃ ELECTRICAL PANELBOARD, VOLTAGE AND PHASE AS NOTED REFER TO POWER RISER DIAGRAM AND PANEL SCHEDULES FOR DETAILS
- S₂₄ TIMECLOCK
- S₂₅ PHOTOCELL
- S₂₆ TRANSFORMER, 120/24 VAC, 40 VA MIN. OR AS REQUIRED
- S₂₇ MANUAL MOTOR STARTER
- S₂₈ MAGNETIC OR COMBINATION MOTOR STARTER
- S₂₉ TELEPHONE AND CATV BACKBOARD BY EC, SEE SYSTEMS RISER BACKBOARD DIAGRAMS FOR ADDITIONAL DETAILS AND SPECIFICATIONS
- S₃₀ DISCONNECT SWITCH BY EC, 250 OR 600 V NEMA 1 (OR 3R AS NOTED), FUSIBLE, SIZE AS NOTED OR REQUIRED, DUAL ELEMENT, TIME DELAY FUSES, SIZE, FURNISHED AND INSTALLED BY EC PER EQUIPMENT NAMEPLATE VALUES.
- S₃₁ EXHAUST FAN, FURNISHED WITH DUCTWORK AND INSTALLED BY MC. POWER WIRING BY EC AS SHOWN OR AS NOTED, FANS ARE 120 VOLT, FRACTIONAL HORSEPOWER, UNLESS SPECIFICALLY NOTED OTHERWISE.
- S₃₂ EQUIPMENT MOTOR, FURNISHED AND INSTALLED COMPLETE BY OTHERS AS NOTED, POWER WIRING AND DISCONNECT BY EC AS REQUIRED, EC TO PROVIDE MANUAL MOTOR STARTER ON 120 VOLT, FRACTIONAL HP MOTORS, AND INSTALL AND WIRE MAG STARTER ON LARGER MOTORS.
- S₃₃ 3 KVAR POWER CORRECTION CAPACITOR AT MOTOR LOAD, TYPICAL

ELECTRICAL ABBREVIATIONS

- AFF ABOVE FINISHED FLOOR
- ALG ALUMINUM GRADE
- APC ABOVE FINISHED GRADE
- BC BARE COPPER
- BKED BACKBOARD
- BLDG BUILDING
- C CONDUIT
- CATV CABLE TELEVISION
- CSA CANADIAN STANDARDS
- CSA CENTER
- CSOS CENTRAL VERMONT PUBLIC SERVICE
- DMG DRAWING
- EC ELECTRICAL CONTRACTOR
- EMT ELECTRICAL METALLIC TUBING
- FU FUSIBLE
- GF GENERAL CONTRACTOR
- GF-C GROUND FAULT (PROTECTED)
- GF-CI GROUND FAULT CIRCUIT INTERRUPTER
- HVAC HEATING, VENTILATION AND AIR CONDITIONING
- MC MECHANICAL CONTRACTOR
- MC-MECHANICAL CONTRACTOR
- MH MAGNETIC HOLDERS
- MIN MINIMUM
- MID MAIN LUG ONLY
- MID MOUNTED
- NEW NEW ENGLAND TELEPHONE
- NOT NOT IN CONTRACT
- NON NON FUSED
- PC PLUMBING CONTRACTOR
- PVC (POLYVINYL CHLORIDE)
- SHIT SHEET
- TELE TELEVISION
- TV TELEVISION
- RMC RIGID GALVANIZED METAL CONDUIT
- UL UNDERWRITERS LABORATORY
- UN UNLESS OTHERWISE NOTED
- W/G WITH GROUND CONDUCTOR
- W/P WEATHERPROOF

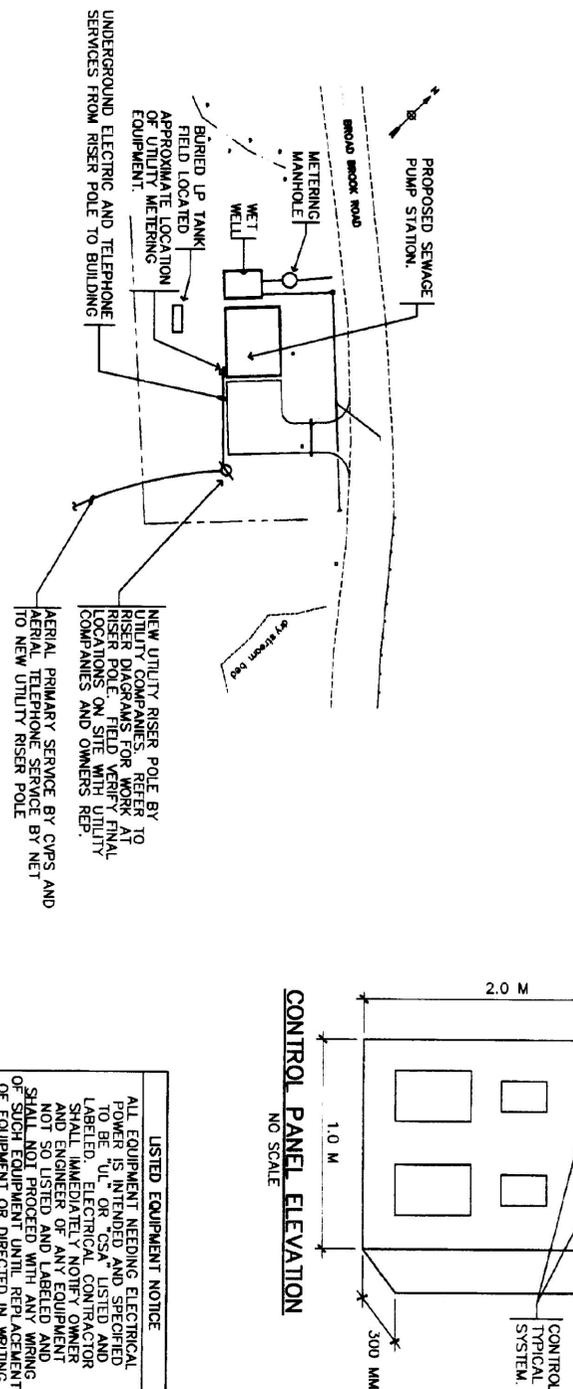


PUMP / GRINDER CONTROL PANEL

NO SCALE

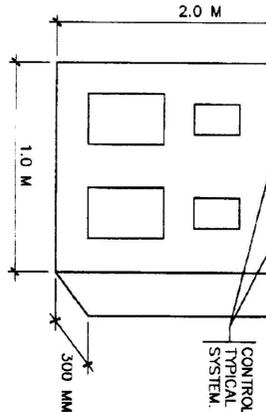
ELECTRICAL SITE PLAN

NO SCALE



CONTROL PANEL ELEVATION

NO SCALE



LISTED EQUIPMENT NOTICE

ALL EQUIPMENT NEEDING ELECTRICAL POWER IS INTENDED AND SPECIFIED TO BE "UL" OR "CSA" LISTED AND LABELED. ELECTRICAL CONTRACTOR SHALL IMMEDIATELY NOTIFY OWNER AND ENGINEER OF ANY EQUIPMENT AND NOT SO LISTED AND LABELED AND SHALL NOT PROCEED WITH ANY WIRING OF SUCH EQUIPMENT UNLESS DIRECTED IN WRITING BY EQUIPMENT ORIGINATOR OR BY EQUIPMENT ORIGINATOR OR BY EQUIPMENT ORIGINATOR OR BY EQUIPMENT ORIGINATOR.

NO.	DATE	REVISIONS	DRWN	CHKD
4	4/8/96	CONTRACT PLANS	CTJ	WRW
1	4/8/96	INTERNAL REVIEW		

TIMOTHY D. SMITH & ASSOCIATES, PC ARCHITECTS
 OLD RAILROAD STATION
 802-442-8184

WRIGHT ENGINEERING, LTD. CIVIL ENGINEERS
 128 MERCHANTS ROW - P.O. BOX 176
 802-775-2511

NORTH BRUNNINGTON, VERMONT 05257
 FAX 802-442-5241

ROTLAND, VERMONT 05702-0176
 FAX 802-775-8915

PROJECT NO. IM 091-1 (29)
WATER & SEWER EXTENSION PROJECT
 TOWN OF BRATTLEBORO

STATE OF VERMONT
AGENCY OF TRANSPORTATION
 SOUTHEAST VERMONT WELCOME CENTER
 GUILDFORD, VERMONT

DSGN BY: WRW
 DRWN BY: CTJ
 CHKD BY: WRW

DATE: 01/02/96 SHEET NO. 38 OF 55 SHEETS