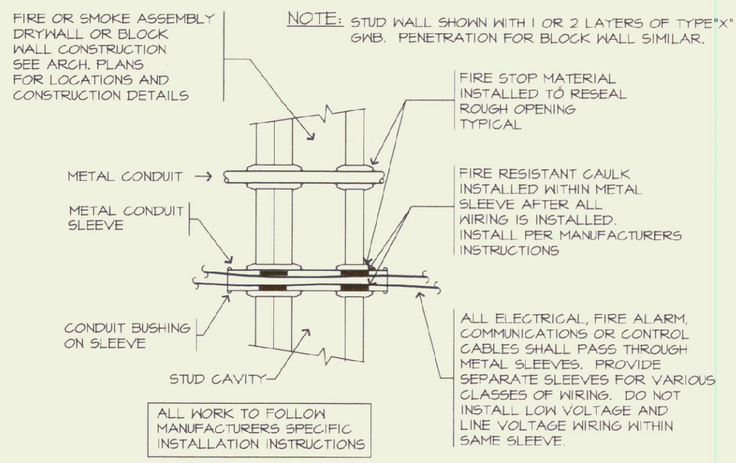
ELECTRICAL SYMBOL LIST

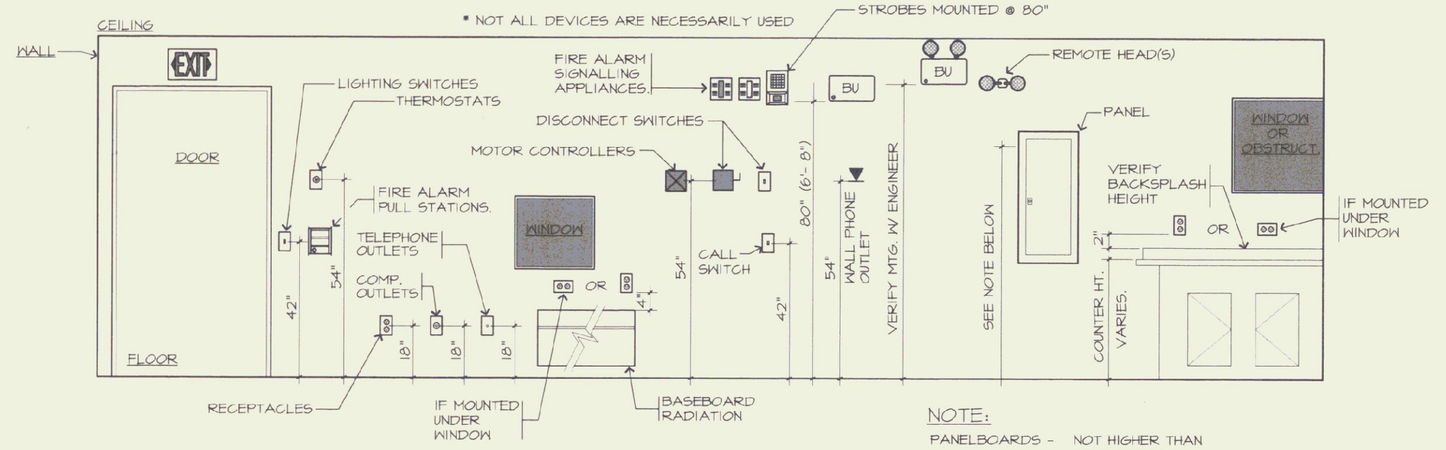
NOT ALL SYMBOLS ARE NECESSARILY USED

- A — FLUORESCENT STRIP FIXTURE
- A — RECESSED, FLUORESCENT FIXTURE
- A — WALL BRACKET
- A — CEILING FIXTURE
- BU — EMERGENCY BATTERY UNIT, NO ATTACHED HEADS
- BU — EMERGENCY BATTERY UNIT, ATTACHED HEADS
- REMOTE EMERGENCY LIGHTING FIXTURE, DOUBLE HEAD, POWERED FROM REMOTE BATTERY UNIT
- X — EXIT SIGN, SELF POWERED
- X — EXIT SIGN, SELF POWERED, WALL MOUNTED
- EM — EMERGENCY LIGHTING UNIT, FLUSH MOUNTED, INTEGRAL BATTERY
- EMR — EMERGENCY LIGHTING UNIT, FLUSH MOUNTED, REMOTE LIGHT UNIT
- SINGLE POLE SWITCH 20 AMP 125/277 VOLT TOGGLE
- S_3 — 3-WAY SWITCH 20 AMP 125/277 VOLT TOGGLE
- S_4 — 4-WAY SWITCH 20 AMP 125/277 VOLT TOGGLE
- S_P — PILOT LIGHT SWITCH 20 AMP 125 VOLT TOGGLE, FLUSH MOUNT SEE NOTES AT DEVICE FOR SPECIFIC MOUNTING INSTRUCTIONS
- S_{OB} — OIL BURNER SHUT OFF SWITCH
- S_d — DIMMER SWITCH, 120 VOLT, SLIDE TYPE, 1000 WATT MIN.
- (F) — OIL BURNER FIRE-O-MATIC THERMAL CUTOUT SWITCH.
- DUPLEX RECEPTACLE 20 AMP 125 VOLT
- CEILING MOUNTED RECEPTACLE, WHITE COLOR, FOR "SHOW WINDOW" USE, 120 VOLT, 20 AMP, WHITE PLATE.
- * — DUPLEX RECEPTACLE ABOVE COUNTER AND BACKSPLASH, VERIFY FINAL MOUNTING HEIGHT ON SITE PRIOR TO ROUGH IN.
- ISOLATED GROUND DUPLEX RECEPTACLE.
- DUPLEX RECEPTACLE, SPLIT WIRED, TOP HALF SWITCH CONTROLLED
- DOUBLE DUPLEX RECEPTACLE, INSTALL IN 2-GANG BOX UNDER ONE 2-GANG PLATE, WIRE TO COMMON CIRCUIT AS SHOWN
- WP — DUPLEX RECEPTACLE WITH WEATHERPROOF, GASKETED COVER
- GF — GROUND FAULT TYPE DUPLEX RECEPTACLE, 20 AMP 125 VOLT CLASS A WITH 20 AMP FEED THROUGH RATING.PLATE TO MATCH OTHER DEVICES INSTALL IN SEPARATE SINGLE GANG BOX WHERE SHOWN ON PLANS (MIN 3 1/2" WALL BOX)
- GF WP — GROUND FAULT TYPE DUPLEX RECEPTACLE, WITH WEATHERPROOF COVER INSTALL IN SEPARATE SINGLE GANG BOX WHERE SHOWN ON PLANS (MIN 3 1/2" WALL BOX)
- FLOOR MOUNTED RECEPTACLE
- SPECIAL 1Φ OR 3Φ OUTLET, 208 VOLT, CONFIRM AMPERAGE AND N.E.M.A. CONFIGURATION TO SUITE EQUIPMENT BEING SERVED
- R — RANGE OUTLET, 50 AMP, 4 WIRE, FLUSH RECEPTACLE IN DEEP BOX WITH RAISED COVER
- NI — TELEPHONE SYSTEM NETWORK INTERFACE (DEMARCTION) POINT FURNISHED AND INSTALLED BY LOCAL TELEPHONE SERVICE CO, QUANTITY AS REQUESTED BY OWNER TO SERVE NEEDS
- TELEPHONE OUTLET, BOX AND DROP SEE DROP DETAIL AND PHONE RISER.
- WP — TELEPHONE OUTLET, WALL OR PAY TYPE AS NOTED
- CATV OUTLET BOX AND DROP, SEE DETAILS AND CATV RISER DIAGRAM.
- COMPUTER OUTLET BOX AND DROP, SEE DETAILS
- WIRING HOME RUN TO PANEL AS NOTED, (2) #12, (1) #12 GND MIN. BACK TO 20 AMP, SINGLE POLE BREAKER UNLESS NOTED OTHERWISE.
- INDICATES (2) POWER CONDUCTORS WITH FULL SIZE GROUND.
- INDICATES (3) POWER CONDUCTORS WITH FULL SIZE GROUND.
- INDICATES (4) POWER CONDUCTORS WITH FULL SIZE GROUND.
- CABLE OR RACEWAY RUN CONCEALED IN WALLS OR CEILINGS SURFACE MOUNTED WHERE NOTED OR ALLOWED IN UTILITY OR UNFINISHED AREAS.
- UNDERSLAB RACEWAY AS NOTED.
- EMERGENCY LIGHTING LOW VOLTAGE (12 VDC) WIRING, RUN CONCEALED IN WALLS OR ABOVE CEILINGS. SURFACE MOUNTED ONLY IN UTILITY AREAS OR WHERE SPECIFICALLY ALLOWED.
- 120/208 — SURF. / FLUSH — ELECTRICAL PANELBOARD, VOLTAGE AND PHASE AS NOTED REFER TO POWER RISER DIAGRAM AND PANEL SCHEDULES FOR DETAILS
- TELEPHONE BACKBOARD — TELEPHONE AND CATV BACKBOARD BY EC, SEE SYSTEMS RISER DIAGRAMS FOR ADDITIONAL DETAILS AND SPECIFICATIONS
- FU WP — DISCONNECT SWITCH BY EC, 250 VOLT, NEMA 1 (OR 3R AS NOTED), FUSIBLE, SIZE AS NOTED OR REQUIRED,DUAL ELEMENT, TIME DELAY FUSES SIZED, FURNISHED AND INSTALLED BY EC PER EQUIPMENT NAMEPLATE VALUES.
- TC — TIMECLOCK
- PC — PHOTOCELL
- FS — FIRE SEAL AT RATED PARTITION
- ALARM BELL
- CL — ALARM CORRIDOR LIGHT
- T — TRANSFORMER, 120/24 VAC
- MS — MANUAL MOTOR STARTER
- MAGNETIC OR COMBINATION MOTOR STARTER
- EF — 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.
- HP — EQUIPMENT MOTOR, FURNISHED AND INSTALLED COMPLETE BY OTHERS AS NOTED. POWER WIRING AND DISCONNECT BY EC AS REQUIRED.
- SINGLE CLOCK



WIRING THROUGH FIRE RATED ASSEMBLY - TYPICAL DETAIL

NOT TO SCALE



TYPICAL DEVICE MOUNTING HEIGHTS ELEVATION

NOT TO SCALE

NOTES

A. THE ABOVE MOUNTING HEIGHTS SHALL APPLY TO ALL DEVICES UNLESS NOTED OTHERWISE ON THE PLANS. ALL NOTED DIMENSIONS ARE TO THE CENTERLINE OF THE DEVICE FROM THE FINISHED FLOOR.

B. WHERE EXISTING OR SPECIAL CONDITIONS PREVENT THE INSTALLATION OF DEVICES AT THE ABOVE HEIGHTS, THE EC SHALL VERIFY HEIGHTS ON SITE WITH ARCHITECT.

C. ALL DEVICES IN FINISHED AREAS SHALL BE INSTALLED IN FLUSH DEVICE BOXES.NO SURFACE BOXES SHALL BE ALLOWED WITHOUT PRIOR APPROVAL OF THE ARCHITECT.

D. E.C. SHALL VERIFY FINAL WORKBENCH, COUNTER, CABINET OR VANITY HEIGHTS INCLUDING BACKSPLASH, ON SITE WITH GC PRIOR TO INSTALLATION OF BOXES. ABOVE COUNTER DEVICES NOTED BY (*)

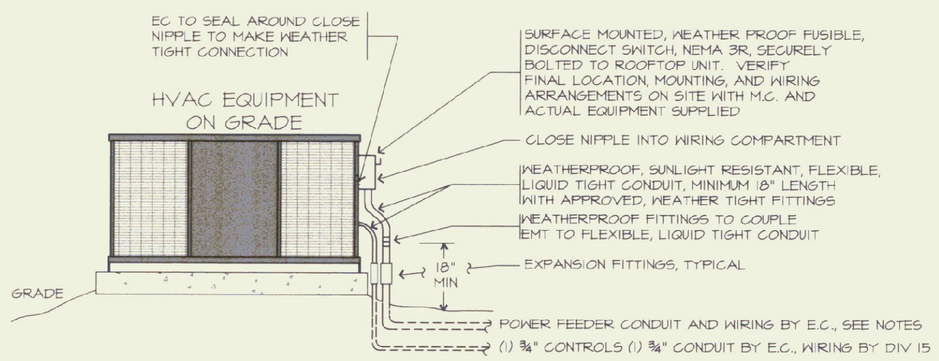
E. INSTALL RECEPTACLES HORIZONTALLY, 4" ABOVE BASEBOARD RADIATION. REFER TO M - SERIES (DIV. 15) SHEETS FOR RADIATION LAYOUT

ELECTRICAL ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AL	ALUMINUM
BA	BELL ATLANTIC
BC	BARE COPPER
BKBD	BACKBOARD
BLDG	BUILDING
C	CONDUIT
CATV	CABLE TELEVISION
CSA	CANADIAN STANDARDS
CU	COPPER
CVPS	CENTRAL VERMONT PUBLIC SERVICE
DET	DETAIL
DWG	DRAWING
EC	ELECTRICAL CONTRACTOR
EMT	ELECTRICAL METALLIC TUBING
FU	FUSIBLE
GC	GENERAL CONTRACTOR
GF	GROUND FAULT (PROTECTED)
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
HVAC	HEATING, VENTILATION AND AIR CONDITIONING
MC	MECHANICAL CONTRACTOR
MCB	MAIN CIRCUIT BREAKER
MH	MAGNETIC HOLDERS
MIN	MINIMUM
MLO	MAIN LUG ONLY
MTD	MOUNTED
NIC	NOT IN CONTRACT
NF	NON FUSED
PSNH	PUBLIC SERVICE OF NH.
PVC	RIGID NON-METALLIC CONDUIT (POLYVINYL CHLORIDE)
SHT	SHEET
TELE	TELEPHONE
TV	TELEVISION
RMC	RIGID GALVANIZED METAL CONDUIT
UL	UNDERWRITERS LABRATORY
UON	UNLESS OTHERWISE NOTED
WG	WITH GROUND CONDUCTOR
WP	WEATHERPROOF

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 NOT SO LISTED AND LABELED AND SHALL NOT PROCEED WITH ANY WIRING OF SUCH EQUIPMENT UNTIL REPLACEMENT OF EQUIPMENT OR DIRECTED IN WRITING BY ENGINEER. TYPICAL OF ALL DEVICES AND EQUIPMENT ON THIS PROJECT.

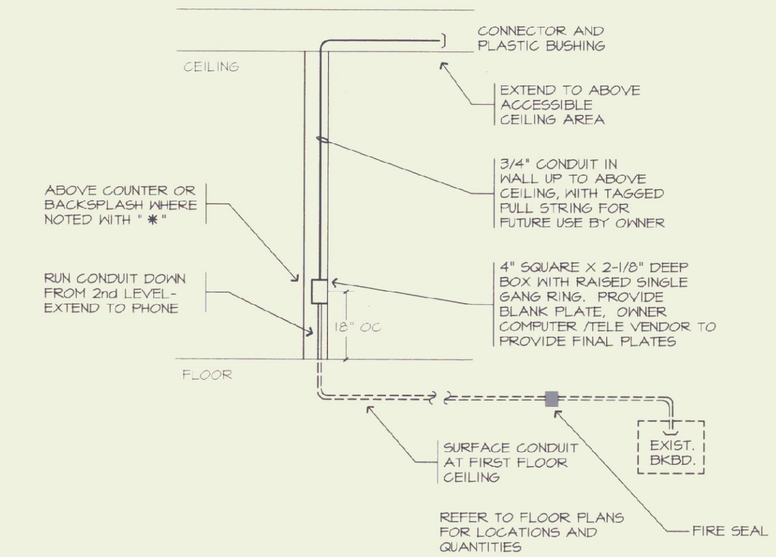


PADMOUNTED UNIT WIRING INSTALLATION DETAIL

NOT TO SCALE

EXISTING EQUIPMENT SYMBOLS

- e — EXISTING EQUIPMENT TO REMAIN
- eR — EXISTING EQUIPMENT TO BE RELOCATED AS SHOWN.
- eL — NEW EQUIPMENT AT EXISTING LOCATION
- X — EXISTING EQUIPMENT TO BE REMOVED AND DISPOSED OF.



CATV/COMPUTER/TELEPHONE DROP DETAIL

NOT TO SCALE

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JANUARY 2002

BID SET

NO.	REVISION	DATE
03	BID DATE	01/30/02

Renovations and Addition for the

RUTLAND STATE AIRPORT

1002 AIRPORT ROAD, TERMINAL BUILDING
NORTH CLARENDON, VERMONT 05759
TEL. 802-786-8881
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ELECTRICAL LEGEND & DETAILS

PROJECT NORTH | KEY PLAN

PROJECT: R99000 | DRAWN: CTS | CHECKED: WRW

STATE OF VERMONT MARK D. VINCELLO No. 10262 REGISTERED PROFESSIONAL ENGINEER

PROFESSIONAL SEAL

E

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