LETTER IS CIRCUIT CONTROL GROUP. "42" INDICATES MOUNTED AT 42" A.F.F. "GFI" INDICATES GFI OUTLET (PROTECTS DOWNSTREAM RECEPTACLES ON SAME CIRCUIT. "TR" INDICATES TAMPER RESISTANT ADJUST TO MINIMIZE CUT OF BLOCK AND TILE. MOUNT WITH GROUND TERMINAL AT TOP.

SINGLE RECEPTACLE OUTLET NEMA 5-20R, HEAVY DUTY

DUPLEX RECEPTACLE OUTLET NEMA 5-20R, HEAVY DUTY

QUADRUPLEX RECEPTACLE OUTLET (DOUBLE DUPLEX) NEMA 5-20R, HEAVY DUTY

DUPLEX RECEPTACLE OUTLET, EMERGENCY CIRCUIT. NEMA 5-20R, HEAVY DUTY, RED DEVICE, AND BACKPLATE

QUADRUPLEX RECEPTACLE OUTLET (DOUBLE DUPLEX) EMERGENCY CIRCUIT, NEMA 5-20R HEAVY DUTY, RED DEVICE, AND BACKPLATE

RANGE OUTLET NEMA 14-50R "D" INDICATES DRYER OUTLET NEMA 14-30R)

SPECIAL PURPOSE CONNECTION LETTER(S) BESIDE SYMBOL INDICATES ACTUAL ÉQUIPMENT SERVED.

FLOOR SINGLE RECEPTACLE OUTLET W/ COVER. NEMA 5-20R

FLOOR DUPLEX RECEPTACLE OUTLET W/ COVER. NEMA 5-20R

FLOOR SPECIAL PURPOSE OUTLET W/ COVER LETTER(S) BESIDE SYMBOL INDICATES ACTUAL EQUIPMENT SERVED.

"WIREMOLD" WITH SINGLE NEMA 5-20R OUTLETS AS SHOWN. OUTLETS SHALL BE CIRCUITED ALTERNATELY. WALL MOUNT AS SHOWN ON THE DWG'S. # SHOWS NUMBER OF DUPLEX RECEPTACLES.

VOICE OUTLET AS NOTED (ONE VOICE LINE) W = WALL PHONE, 54" A.F.F.P = PAY PHONE, 42" A.F.F.

STANDARD MMC VOICE/DATA DROP (1 CAT-5e FOR DATA AND A SPLIT CAT-3 FOR VOICE)

DUAL DATA DROP (STANDARD MMC DROP PLUS ANOTHER CAT—5e FOR DATA)

SINGLE VOICE OUTLET/JACK, 18" A.F.F. (ONE VOICE LINE)

EXISTING DROP (JACK NUMBERING SHOWN HAS BEEN SUPPLIED BY MMC NETWORK SERVICES DEPARTMENT) MULTIPLE DROP (JACK NUMBERING SHOWN HAS

BEEN SUPPLIED BY MMC NETWORK SERVICES DEPARTMENT)

TV COAXIAL CABLE TELEVISION OUTLET

SWITCHES / CONTROLS SWITCHES LOCATED IN THE SAME AREA SHALL BE GANGED UNDER COMMON PLATE WHENEVER PRACTICAL, GROUP SWITCHES, THERMOSTATS ETC. TOGETHER. SWITCHES SHALL BE LOCATED ON STRIKE SIDE OF DOOR. ADJUST TO MINIMIZE CUT OF BLOCK OR TILE. LETTER IS SWITCH CONTROL GROUP.

SINGLE POLE SWITCH

DOUBLE POLE SWITCH

THREE-WAY SWITCH

FOUR-WAY SWITCH

DIMMER SWITCH, PROVIDE SWITCH FOR FIXTURES ACTUALLY SERVED.

MOTOR SWITCH. HORSEPOWER RATED

LIGHTING CONTACTOR - NUMBER OF POLES AS REQUIRED

24 HOUR TIMER

PHOTOELECTRIC CONTROL — LOCATED ON EXTERIOR WALL - ORIENT TO NORTH ELEVATION

WALL MTD. THERMOSTAT — "LC" INDICATES W/ LOCKING COVER

PANELS & CIRCUITS

ELECTRICAL PANEL. SURFACE MOUNTED ELECTRICAL PANEL, FLUSH MOUNTED

> HOME RUN TO CIRCUIT AND PANEL BOARD INDICATED. ARROWS INDICATE POLES.

LP1-3 (PAR) - INDICATES PARTIAL CIRCUIT - INDICATES CIRCUIT NUMBER INDICATES PANEL

ELECTRICAL FEED TO EQUIPMENT MULTIPLE ARROWHEADS INDICATES MULTIPLE CIRCUITS

DIRECT CONNECTION OF EQUIPMENT NOTED. USE FLEXIBLE CABLE OF TYPE APPROVED FOR LOCATION.

CONDUIT RUN FLEXIBLE METALLIC CABLE FLEXIBLE

CONDUIT TURNING DOWN CONDUIT TURNING UP CONDUIT RUN UP AND DOWN UP & DN CONDUIT OR CABLE RUN, ABOVE GRADE

CONDUIT OR CABLE RUN, FEEDER CONCEALED TRANSFORMER, SIZE & TYPE AS INDICATED JUNCTION BOX — SIZED IN ACCORDANCE WITH NEC — "C" INDICATES MOUNTING

IN CEILING SPACE 3 POLE, NON-FUSIBLE DISCONNECT SWITCH 30 = AMPACITY. VOLTAGE AS REQ'D.

3 POLE FUSIBLE DISCONNECT SWITCH 60 = CLIP SIZE, 40 = FUSE SIZEVOLTAGE AS REQ'D 3 POLE WEATHERPROOF DISCONNECT SWITCH

SIZE & CONFIGURATION AS NOTED ABOVE MANUAL STARTER - FLUSH TYPE IN FINISHED AREAS.

MOTOR, HP AS INDICATED COORDINATE W/ ACTUAL EQUIPMENT FURNISHED.

COMBINATION MAGNETIC STARTER - NEMA SIZE AS REQUIRED (MINIMUM SIZE 1) PROVIDE W/ H-O-A SWITCH AND GREEN RUN LIGHT ON COVER.

FIRE ALARM & LIFE SAFETY

FIRE ALARM PULL STATION MTD 48" A.F.F.

EL = ELEVATOR CONTROL

DUCT SMOKE DETECTOR — SHALL BE FROM THE SAME MANUFACTURER AS THE BUILDING FIRE ALARM SYSTEM

REMOTE TEST STATION

HEAT DETECTOR - TEMP. AS INDICATED HR = COMBINATION RATE OF RISE AND FIXED TEMPERATURE (135°F, 200°F – 15°F MINUTE) HF = FIXED TEMPERATURE ONLY (135°, 200°) HA = RATE ANTICIPATION 194°F

F ALARM SPEAKER/STROBE LIGHT, MTD 80" A.F.F. (75 CANDELA)

FIRE ALARM STROBE LIGHT, MTD 80" A.F.F. (75 CANDELA)

FIRE ALARM SYSTEM MAGNETIC DOOR HOLDER

FIRE ALARM SYSTEM DOOR CLOSER

FIRE ALARM BATTERY BACK-UP POWER SUPPLY

EXIT SIGN, RED LETTERING (SEE FIXTURE SCHEDULE)

MISCELLANEOUS SYSTEMS

EXISTING "SIMPLEX" CLOCK

(SP)SP SPEAKER

CCTV CAMERA

NURSE CALL

NURSE CALL TOILET PULL STATION

NURSE CALL STATION. NUMBER INDICATES BOX GANG QUANTITY.

NURSE CALL CORRIDOR LIGHT. PROVIDE 2-GANG BACK BOX. "Z" INDICATES ZONE LIGHT

NURSE CALL DUTY STATION

NURSE CALL ZONE LIGHT

NURSE CALL MASTER STATION

ABBREVIATIONS

AIR CONDITIONING UNIT ABOVE FINISHED FLOOR ABOVE FINISHED GRADE AIR HANDLING UNIT AMPERE INTERRUPTING CAPACITY CONDUIT CIRCUIT BREAKER CENTER LINE

CLOSED CIRCUIT TELEVISION CLF CURRENT LIMITING FUSE CURRENT TRANSFORMER CABLE TELEVISION CU CONDENSING UNIT CUH CABINET UNIT HEATER CONDENSER WATER PUMP

DISTRIBUTION TRANSFORMER DW DISHWASHER DWG DRAWING EBB ELECTRIC BASEBOARD HEATER

ELECTRIC DUCT HEATER EXHAUST FAN ELECTRIC UNIT HEATER ELECTRIC WATER COOLER EXISTING EQUIPMENT (AS NOTED) FIRE ALARM CONTROL PANEL

FURNISHED BY OWNER FAN COIL GARBAGE DISPOSER GROUND FAULT CIRCUIT INTERUPTER

GROUND GALVANIZED RIGID STEEL CONDUIT HUMIDIFIER HAND / HAIR DRYER HAND HOLE

HORSEPOWER / HEAT PUMP HIGH PRESSURE SODIUM HEAT RECOVERY UNIT HIGH VOLTAGE HOT WATER CIRC. PUMP

ISOLATED GROUND INFRA-RED KILOWATT KILOWATT HOUR

LONG/INSTANTANEOUS/GROUND FAULT LIGHTING MASTER ANTENNA TELEVISION MAIN BREAKER

MAIN DISCONNECT MAIN DISTRIBUTION PANEL MAN HOLE / METAL HALIDE MAIN LUGS ONLY

MAINE MEDICAL CENTER MOUNTED **MICROWAVE** NORMALLY CLOSED NATIONAL ELECTRICAL CODE (NFPA-70)

NOT FUSED NOT IN CONTRACT NIGHT LIGHT NORMALLY OPEN

NOT TO SCALE NURSE CALL TERMINAL UNIT $^{\circ}$ ON CENTER OVERCURRENT DEVICE

PULL BOX "PLUGMOLD" UTILIZED POTENTIAL TRANSFORMER REFRIGERATION CONDENSING UNIT

RECEPTACLE REFRIGERATOR REQUIRED RETURN FAN

RANGE RIGID GALVANIZED STEEL CONDUIT

RANGE HOOD ROOF TOP MOUNTED IN A WEATHERPROOF ENCLOSURE ROOF TOP AIR CONDITIONER

SUPPLY FAN SOLID NEUTRAL SOV SOLENOID VALVE TO BE DETERMINED TAMPER RESISTANT

ŤV **TELEVISION** TYP **TYPICAL** UNDER COUNTER UNIT HEATER

UNLESS NOTED OTHERWISE UNIT VENTILATORS X-RAY VIEW BOX WATER COOLER

WATER HEATER WEATHERPROOF TRANSFORMER

SURGE SUPRESSOR RECEPTACLE INSTALL WITH "WIREMOLD"

GENERAL NOTES

1. ALL GENERAL NOTES, SYMBOL LIST & DETAILS ARE TO BE CONSIDERED AS APPLICABLE TO ALL ELECTRICAL DRAWINGS FOR THIS PROJECT. SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET ARE FOR REFERENCE ONLY AND DO NOT INDICATE THEIR INCORPORATION IN THE DESIGN.

2. ALL WORK PERFORMED ON THIS CONTRACT SHALL BE DONE IN A NEAT AND WORKMANLIKE MANNER AND SHALL BE IN COMPLIANCE WITH NEC, NFPA, BOCA. OSHA, AND ALL APPLICABLE STATE AND LOCAL CODES AND ORDINANCES

3. THESE DRAWINGS ARE, IN GENERAL, MADE TO SCALE BUT ALL MEASUREMENTS SHALL BE TAKEN FROM FIGURED DIMENSIONS, AND NOT BY SCALING.

4. THE ELECTRICAL CONTRACTOR SHALL CONFER WITH ALL OTHER TRADES RELATIVE TO THE LOCATION OF APPARATUS AND EQUIPMENT AND SELECT LOCATIONS SO AS NOT TO CONFLICT WITH WORK OF OTHER TRADES.

5. LIGHTING FIXTURE MANUFACTURERS NAME & MODEL NUMBER ARE USED FOR DESCRIPTIVE PURPOSES ONLY AND ARE INTENDED TO INDICATE THE STANDARD OF MATERIAL OR ARTICLES REQUIRED. ALL OTHER EQUIPMENT SHALL NOT BE SUBSTITUTED EXCEPT UNDER THE PROVISIONS OF SECTION 3A, ARTICLE 9. (CONDITIONS OF THE CONTRACT) OR OTHERWISE ALLOWED BY SPECIFICATION.

6. ALL EQUIPMENT SHOWN ON THESE DRAWINGS IS INTENDED TO BE GENERALLY REPRESENTATIVE OF THE EQUIPMENT WHICH WILL BE INSTALLED UNDER THIS CONTRACT, BUT IT SHALL NOT BE ASSUMED THAT THE DRAWINGS INDICATE THE SPECIFIC CONFIGURATION, ARRANGEMENT OR POINTS OF CONNECTION OF THE ACTUAL EQUIPMENT UNLESS NOTED OTHERWISE.

7. ALL MOUNTING HEIGHTS GIVEN IN LEGEND ARE TYPICAL, UNLESS NOTED OTHERWISE IN SPECIFICATION, SECTION 16010, OR ON THESE DRAWINGS.

8. COORDINATE W/ CONTROLS CONTRACTOR TO PROVIDE POWÉR FOR ALL MISCELLANEOUS CONTROL OPERATORS AND PANELS

9. CIRCUIT BREAKERS USED FOR LIGHTING CIRCUITS SHALL BE SWITCH DUTY RATED AND APPROVED FOR USE WITH H.I.D. FIXTURES. CIRCUIT BREAKERS USED FOR HVAC AND REFRIGERATION EQUIPMENT SHALL BE "HACR" RATED.

10. ALL HOME RUNS FOR LIGHTING OR POWER CIRCUITS LONGER THAN 150 FEET SHALL BE INCREASED ONE SIZE. (IE: #12 TO #10)

11. ALL BRANCH CIRCUIT AND FEEDER CONDUCTORS SHALL BE SIZED FOR THE O.C.D. RATING FOR THAT CIRCUIT ACCORDING TO NEC ART 310 UNLESS OTHERWISE INDICATED ON THESE DRAWINGS. IN NO CASE SHALL CONDUCTORS SMALLER THAN NO. 12 AWG BE USED FOR POWER OR LIGHTING CIRCUITS.

12. PROVIDE 3/8" NYLON ROPE IN ALL EMPTY SERVICE RACEWAYS.

13. ALL SLEEVES AND OTHER PENETRATIONS THRU FIRE RATED ASSEMBLIES SHALL BE SEALED AFTER CABLE INSTALLATION WITH A FIRE RETARDANT COMPOUND.

14. ALL FLUSH MOUNTED PANELBOARDS SHALL BE PROVIDED WITH (2) 1-1/4" EMPTY CONDUITS BETWEEN PANEL & SUSPENDED CEILING.

15. THE CONTRACTOR IS RESPONSIBLE FOR FIRESTOPPING AROUND ALL CONDUITS. CABLES AND ELECTRICAL EQUIPMENT AT ALL PARTITIONS PIERCED PER NEC 300-21 AND B.O.C.A.

16. THE CONTRACTOR IS RESPONSIBLE FOR MEETING ALL SIESMIC REQUIREMENTS FOR THE INSTALLATION OF ELECTRICAL EQUIPMENT UNDER B.O.C.A.

17. GROUNDING SHALL BE PER N.E.C. ARTICLE 250, INSTALL GROUNDING CONDUCTORS WITH ALL FEEDERS AND BRANCH CIRCUITS.

18. "NM' TYPE CABLE IS NOT ALLOWED.

19. ALL WIRING RUN TO A RECESSED PANEL SHALL NOT BE INSTALLED IN A CONDUIT SLEEVE TO THE PANEL BUT SHALL INSTEAD BE TERMINATED IN A WIREWAY ABOVE THE PANEL IN THE CEILING SPACE.

20. EXISTING WIRING AND ELECTRICAL DEVICES/EQUIPMENT SHALL NOT BE REUSED INCLUDING CATY, LIGHTING. POWER AND INTERCOM AND SHALL BE REMOVED UNLESS OTHERWISE NOTED. ALL REMOVED EQUIPMENT. FIXTURES. DEVICES AND THE LIKE SHALL BE TURNED OVER TO THE HOSPITAL OR DISPOSED OF AT THE HOSPITAL'S DIRECTION.

21. ALL WORK SHALL BE COORDINATED WITH THE ARCHITECTURAL PHASING PLANS.

Neill and Gunter

ABBREVIATIONS, SYMBOLS AND NOTES

ARCHITECTS INTERIORS

PLANNERS

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RENOVATIONS TO RICHARD'S 3rd FLOOR

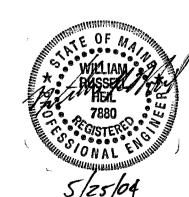
MAINE MEDICAL CENTER Portland, Maine

Scale: Project Number:

Date: MAY 25, 2004 Revisions:

NONE

03-103



CONSTRUCTION **DOCUMENTS**

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