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It is the responsibility of the Construction Manager/General Contractor and all Sub-Contractors to verify all dimensions and accept conditions of prior work by related trades before proceeding with any work.

Date
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Scale
NONE

Francis

Cauffman

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Hoffmann

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Project Title

Mercy Health Care
System of Maine

FORE RIVER SHORT
STAY HOSPITAL



Project Number
F05-4898

Drawing Title and Number
ELECTRICAL
SYMBOL LIST

SYMBOLS LIST

ABBREVIATIONS

Table of abbreviations including AC, AD, ADP, AF, etc., with their corresponding meanings.

FIRE ALARM SYSTEM

- MANUAL PULL STATION - CENTERLINE 4" - 0" AFF.
ADA COMPLIANT EVAC SIGNAL SPEAKER LIGHT COMBINATION.
SMOKE DETECTOR (LOCATE AS INDICATED ON PLANS AND AT A MINIMUM DISTANCE OF 3'-0" FROM ANY AIR DIFFUSERS)
FIXED TEMPERATURE HEAT DETECTOR
WALL MOUNTED MAGNETIC DOOR HOLDER (120V)
SMOKE DETECTOR - DUCT MOUNT "SD" INDICATES SMOKE DAMPER CONTROL.
REMOTE INDICATOR FOR DUCT DETECTOR. NUMERAL INDICATES NUMBER OF INDICATORS GANGED TOGETHER.
FIRE ALARM CONTROL PANEL.
PATIENT ROOM FIRE ALARM ANNUNCIATOR
FIRE ALARM SYSTEM DATA GATHERING PANEL
EXCESS PRESSURE KIT WITH 120V. CIRCUIT
SMOKE DETECTOR REMOTE INDICATOR
ADDRESSABLE ZONE ADAPTER MODULE (ZAM). "T" INDICATES TAMPER SWITCH "F" INDICATES FLOW SWITCH. REFER TO DRAWINGS FOR OTHER MONITOR POINTS
ALARM SWITCH
ADA VISUAL ALARM SIGNAL ONLY
FIRE ALARM INTERFACE RELAY (SEE DETAIL)
ADDRESSABLE CONTROL RELAY "CR" INDICATES DOOR LOCK RELEASE "ER" INDICATES ELEVATOR RECALL, "TS" INDICATES FIRE SHUTTER. FIRE FIGHTERS PHONE JACK (PHONE AND CABINET)
PATIENT ROOM SMOKE DETECTOR REMOTE INDICATOR
BEAM SMOKE DETECTOR RECEIVER
BEAM SMOKE DETECTOR TRANSMITTER
FIRE ALARM MASTER BOX

INTERCOM

- MASTER INTERCOM STATION WITH HANDSET. "D" INDICATES DESK TYPE.
INTERCOM SLAVE STATION. "H" INDICATES HANDSET. "W" INDICATES WALL MOUNTED. "HF" INDICATES HANDS-FREE OPERATION.

EXTERIOR LIGHTING

- REQUIRED CONCRETE BASE AS PROVIDED BY STRUCTURAL ENG.
SINGLE POLE TOP FIXTURE & POLE ARROW INDICATES REFLECTOR DIRECTION.
TWIN POLE TOP FIXTURES & POLE ARROW INDICATES REFLECTOR DIRECTION.
BOLLARD TYPE SITE LIGHTING FIXTURE.

RACEWAYS AND WIRING

- INDICATES PANEL AND CIRCUIT NUMBER
INDICATES 2 CIRCUITS (20A - 1P UNLESS NOTED)
INDICATES 3 WIRES (#12 MINIMUM IN RACEWAY (3/4" MINIMUM)). NO SLASH MARKS INDICATES 2 - #12, 3/4".
GREEN GROUND CONDUCTOR NOT INDICATED BUT SHALL BE INCLUDED IN EACH RACEWAY.
FEEDER TAG - SEE SCHEDULE ON DRAWING E-10

BRANCH CIRCUIT WIRING NOTES:

- 1. WIRING IS SHOWN ON DRAWINGS ONLY FOR SPECIFIC ROUTES OR SPECIAL CONDITIONS
2. WIRING AND CONDUIT OR MC CABLE (SEE SPECIFICATIONS) SHALL BE REQUIRED BETWEEN ALL OUTLETS INDICATED WITH CIRCUIT NUMBERS AND PANEL DESIGNATIONS
3. ALL SWITCH CONTROLS SHALL BE PROVIDED WITH WIRING AND CONDUIT OR MC CABLE (SEE SPECIFICATIONS) AS REQUIRED
4. ALTHOUGH ALL BRANCH CIRCUIT WIRING AND CONDUIT OR MC CABLE (SEE SPECIFICATIONS) IS NOT SHOWN, IT IS THE INTENT OF THESE DOCUMENTS THAT A COMPLETE BRANCH CIRCUIT WIRING SYSTEM BE INSTALLED
5. A GREEN GROUNDING CONDUCTOR SHALL BE RUN WITH ALL CIRCUITS. VERIFY CONDUIT SIZE TO ENSURE IT CAN ACCOMMODATE ALL PHASE, NEUTRAL AND GROUND CONDUCTORS.
6. REFER TO HVAC FLOOR PLANS FOR MISCELLANEOUS MOTORS, FAN COIL UNITS ETC. BRANCH CIRCUITING SHALL BE PER THE BRANCH CIRCUIT CRITERIA IN THE SPECIFICATION.
7. REFER TO SPECIFICATION FOR BRANCH CIRCUIT CRITERIA.
8. PROVIDE EQUIPMENT CONNECTIONS FOR EQUIPMENT AS INDICATED ON ARCHITECTURAL DRAWINGS AND LISTED IN SPECIFICATIONS.
9. ALL EMERGENCY SYSTEM BRANCH CIRCUITS SHALL BE RUN IN METALLIC CONDUIT RACEWAYS. MC BRANCH CIRCUIT CABLE IS NOT ALLOWED PER NEC.

SPECIAL PURPOSE RECEPTACLE SCHEDULE table with columns: SYMBOL, NEMA, DESCRIPTION, HUBBELL CAT. No., ARROW HART CAT. No., BRYANT CAT. No., LEVITON CAT. No., C.B., BRANCH CIRCUIT

LIGHTING FIXTURES

- "E" INDICATES WIRED TO CRITICAL BRANCH
FLUORESCENT LIGHTING FIXTURE - CEILING MOUNTED
● INDICATES WIRED TO LIFE SAFETY EMERGENCY SYSTEM
FLUORESCENT STRIP
FLUORESCENT UNDERCABINET TASK LIGHT
INCANDESCENT/HID LIGHTING FIXTURE
WALL-MOUNTED LIGHTING FIXTURE
ILLUMINATED EXIT SIGN
WALL-MOUNTED ILLUMINATED EXIT SIGN
NIGHT LIGHT

RECEPTACLES

- DUPLEX RECEPTACLE - "2" INDICATES CIRCUIT NUMBER, "1P" INDICATES PANEL DESIGNATION, "E" INDICATES WIRED ON CRITICAL BRANCH OF EMERGENCY SYSTEM.
DUPLEX RECEPTACLE ABOVE COUNTER - MOUNT ABOVE COUNTER TOP OR GURNEY
DUPLEX RECEPTACLE WITH INTEGRAL GROUND FAULT INTERRUPTER
DOUBLE DUPLEX RECEPTACLE (4-PLEX SEE SPECIFICATION)
DOUBLE DUPLEX RECEPTACLE "C" DENOTES MOUNTED ABOVE COUNTERTOP
DUPLEX RECEPTACLE - FLOOR MOUNTED
COMBINATION DUPLEX RECEPTACLE/TEL./DATA OUTLET-FLUSH MOUNTED FLOOR BOX. SHALL BE WIREMOLD/DINBOX SERIES. TWO-GANG STEEL BOX CAT. NO. 88052 FOR POWER AND TEL./DATA. PROVIDE WITH (1) DUPLEX RECEPTACLE (HALF SWITCHED FOR TABLE LAMP) AND (2)-CAT. NO. 828R BRASS FLIP LID COVER PLATES. CUT AND PATCH CONCRETE FLOOR AS REQUIRED. EXACT LOCATION BY ARCHITECT.
SPECIAL PURPOSE RECEPTACLE - "2" INDICATES TYPE - SEE SPECIAL RECEPTACLE SCHEDULE IN THIS DRAWING
SURFACE MOUNTED RACEWAY WITH 20A. DUPLEX OUTLETS MOUNTED 18" ON CENTER UNLESS OTHERWISE INDICATED. REFER TO SPECIFICATIONS.
FILM VIEWER OUTLET - PROVIDE OUTLET AT SURFACE MOUNTED UNITS OR JUNCTION BOX WITH CONNECTION TO UNIT AS RECOMMENDED BY MANUFACTURERS FOR RECESSED FILM VIEWERS. COORDINATE SURFACE AND RECESSED UNIT LOCATIONS WITH ARCHITECT.
SINGLE RECEPTACLE FOR PATIENT BED PER BED MANUFACTURER SPECIFICATION.
SAFETY TYPE DUPLEX RECEPTACLE
X-RAY OUTLET
G4000 WIREMOLD WITH DIVIDER, OUTLETS AS INDICATED MOUNTED 24" ON CENTER. REFER TO SPECIFICATIONS.
DUPLEX RECEPTACLE ONE HALF SWITCHED
LASER OUTLET- COORDINATE OUTLET W/ SUPPLIED EQUIPMENT
DUPLEX RECEPTACLE FOR TELEVISION. MOUNT RECEPTACLE ADJACENT TO OUTLET BOX FOR CATV CONNECTION SHOWN ON TELECOMMUNICATION DRAWINGS.

LIGHTNING PROTECTION

- AIR TERMINAL
COUNTER POSE CABLE BETWEEN AIR TERMINAL
BOLTED CLAMP CONNECTION FOR TRANSITION FROM ONE ROOF LEVEL TO ANOTHER
BOLTED CLAMP CONNECTION
LOCATION OF DOWN CONDUCTOR UTILIZE BUILDING STRUCTURAL STEEL COLUMN FOR DOWN CONDUCTORS.
GROUND ROD

TELEPHONE COMMUNICATIONS

- (2) GANG OUTLET BOX 4 1/2" x 2 1/2" DEEP WITH SINGLE GANG ADAPTER PLATE. PROVIDE MIN. 1 1/4" CONDUIT STUB FROM OUTLET TO ABOVE ACCESSIBLE CEILING. TYPICAL FOR EACH DEVICE LISTED BELOW.
TELEPHONE OUTLET FOR WALL PHONE
TELEPHONE OUTLET - PAYPHONE
COMBINATION TELEPHONE AND DATA OUTLET
DATA OUTLET FOR REUTERS

NURSE CALL SYSTEM

- DOME LIGHT CEILING/WALL
ZONE DOME LIGHT
MASTER STATION
STAFF STATION
DUTY STATION
TOILET/SHOWER STATION-PULL CORD (EMERGENCY CALL)
STAFF ASSISTANCE EMERGENCY CALL STATION
DOUBLE PATIENT BED STATION
SINGLE PATIENT BED STATION
CODE BLUE STATION
NURSE CALL ANNUNCIATOR PANEL
CODE BLUE ANNUNCIATOR PANEL
NURSE CALL SYSTEM EQUIPMENT CABINET
ROOM STATUS PUSHBUTTON SWITCH
ELAPSED TIME CLOCK WITH CONTROL STATION
COMMUNICATION INTERFACE MODULE. PILLOW SPEAKER, TELEVISION CONTROLLER, NURSE CALL, BED CONTROLLER AND LOW VOLTAGE SWITCHES AND RELAYS.

ONE LINE POWER DIAGRAM

- LOAD-BREAK SWITCH FUSE, SIZE AS INDICATED
TRANSFORMER, SIZE AS INDICATED
CIRCUIT BREAKER
DRAW-OUT CIRCUIT BREAKER
KIRK-KEY INTERLOCK
CURRENT TRANSFORMER
POTENTIAL TRANSFORMER
SOLID STATE TRIP UNIT
GROUND
AMMETER
AMMETER SWITCH
VOLTMETER
VOLTMETER SWITCH
PLUG-IN BUSWAY
PLUG-IN BUSWAY CIRCUIT BREAKER "G" INDICATES PROVIDE WITH GROUND FAULT PROTECTION
DRY TYPE TRANSFORMER. "2" INDICATES SIZE, REFER TO DRY TYPE TRANSFORMER SCHEDULE
"x" FACTOR DRY TYPE TRANSFORMER. "2" INDICATES SIZE, REFER TO "x" FACTOR DRY TYPE TRANSFORMER SCHEDULE

TOGGLE SWITCHES

- CENTERLINE 4'-0" A.F.F.
S 0 SINGLE POLE SWITCH - LOWER CASE LETTER INDICATES CONTROL ASSOC.
S 3 THREE WAY SWITCH
S 4 FOUR WAY SWITCH
S k KEY OPERATED SWITCH
S p SINGLE POLE SWITCH WITH PILOT LIGHT
SXP SINGLE POLE EXPLOSION PROOF SWITCH
1000W DIMMER CONTROL SWITCH, LUTRON NOVA-1-STAR DIMMERS OR APPROVED EQUAL.
LOW VOLTAGE LIGHTING CONTROL SWITCH
SURGICAL LIGHT HIGH INTENSITY CONTROL
PASSIVE INFRARED WALL SWITCH: SUBSCRIPT "C" INDICATES CEILING MOUNTED. THE WAIT WATCHER INC. #W1-120A FOR WALL SWITCH, NO. W-500A FOR CEILING SENSOR
600 WATT DIMMER SWITCH. NOVA SERIES NTF-600-WH
LOW VOLTAGE DIMMER (LUTRON NOVA 1 SERIES NTLV-600)
TIME CLOCK
PHOTOCELL
DIMMER CONTROL UNIT
DIMMING PRESET STATION (4) - SCENE (RAISE/LOWER)
DIMMING SYSTEM AUDIO/VISUAL INTERFACE.
LOW VOLTAGE SWITCH
BIRTHING LIGHT CONTROL PANEL
LOW VOLTAGE LIGHTING RELAY

MISCELLANEOUS

- PANEL - RECESS MOUNTED
PANEL - SURFACE MOUNTED
MEDICAL GAS ALARM PANEL
JUNCTION BOX
INDICATES JUNCTION BOX FOR BRANCH CIRCUITING TO ELECTRICAL DEVICES IN LOCAL AREA AS INDICATED ON ELECTRICAL DRAWINGS - WHEN SUBSCRIPT APPEARS REFER TO ABBREVIATIONS FOR REQUIRED CONNECTIONS.
MOTOR - NUMERAL INDICATES HORSEPOWER
MAGNETIC MOTOR STARTER
MANUAL MOTOR STARTER W/ THERMAL OVERLOAD. "P" INDICATES PILOT LIGHT.
CONTROL RELAY
DISCONNECT SWITCH - UNFUSED AS REQUIRED.
DISCONNECT SWITCH - FUSED AS REQUIRED
COMBINATION H.O.A. MOTOR AND DISCONNECT SWITCH - FUSED SIZE AS REQUIRED, STARTER SIZED AS PER SPECIFICATIONS
TIME SWITCH - SEE DETAIL
DRY TYPE TRANSFORMER - NUMERAL INDICATES SIZE - SEE SCHEDULE
BATTERY OPERATED WIRELESS GPS CORRECTIVE CLOCK
ELAPSED TIME CLOCK WITH CONTROL STATION MOUNTED BELOW.
BATTERY OPERATED WIRELESS GPS CORRECTIVE CLOCK
INPUT JACK FOR VENTILATOR ALARM, INTERFACE WITH NURSE CALL.
DOOR BELL BUTTON
BUZZER/BELL - LOW VOLTAGE
LOW VOLTAGE TRANSFORMER 120/24VAC
MONITOR OUTLET, TWO GANG BOX WITH ONE INCH EMPTY CONDUIT STUBBED ABOVE NEAREST ACCESSIBLE CEILING AND ADJACENT 20 AMP DUPLEX RECEPTACLE REFER TO SPECIFICATIONS.
EMERGENCY POWER OFF PUSHBUTTON STATION
ISOLATION PANEL REMOTE INDICATOR
PUSH PLATES FOR AUTOMATIC DOORS, PROVIDE BACKBOXES AND CONDUIT AND WIRE AS REQUIRED BY MANUFACTURER.
OPERATING ROOM POWER RECEPTACLES CONSISTING OF (4) DUPLEX RECEPTACLES MOUNTED WITHIN A 4 GANG OUTLET BOX WITH A STAINLESS STEEL DEVICE PLATE. EACH OUTLET TO BE ALTERNATELY CIRCUITED.
KEY NOTE DESIGNATION
MULTI SERVICE FLOOR BOX - WALKER WALKERBOX #R4M-SS WITH ADDITIONAL RECEPTACLE COMPARTMENT, REFER TO DETAIL ON DRAWING E.67
TYPICAL ROOM DESIGNATION
INDICATES LEVEL, "P" INDICATES POWER "L" INDICATES LIGHTING
INDICATES TYPICAL ROOM TYPE
POWER BASE FEED FOR FURNITURE SYSTEM RUN BRANCH CIRCUITS FROM CEILING DOWN NEAREST FULL HEIGHT PARTITION. THE ELECTRICAL SUB CONTRACTOR SHALL CARRY COST FOR ELECTRICAL CONNECTIONS TO FURNITURE SYSTEM TWO GANG OUTLET BOX. REFER TO DETAIL.
120VOLT CONNECTION TO FUME HOOD
120VOLT CONNECTION TO BUILDING AUTOMATION SYSTEM
CUSTOM FLOOR BOX FSR INC. REFER TO AUDIO/VISUAL FLOOR BOX SCHEDULE ON DRAWING AV-002 FOR SPECIFIC FLOOR BOX TYPE. PROVIDE DUPLEX RECEPTACLE IN ALL FL-600 SERIES FLOOR BOXES.
JUNCTION BOX FOR POWER, FSR SERIES BOX. REFER TO AUDIO/VISUAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
RAISE/LOWER SWITCH FOR PROJECTION SCREEN
OPEN/CLOSE SWITCH FOR ROOM BLACKOUT SHADES
CARD READER BY OTHERS, INSTALLED AND WIRED BY ELECTRICAL CONTRACTOR
ANESTHESIA COLUMN
SURGICAL BOOM
EQUIPMENT ROOM
CLOSED CIRCUIT TELEVISION CAMERA, FURNISHED AND INSTALLED BY OTHERS, WIRED BY ELECTRICAL CONTRACTOR.
MAGNETIC DOOR LOCK PROVIDED AND INSTALLED BY OTHERS, WIRED BY ELECTRICAL CONTRACTOR.
FOR CONNECTION TO CEILING MOUNTED INJECTOR.
CLOSED CIRCUIT TELEVISION MONITOR, TWO GANG BOX WITH 1" EMPTY CONDUIT STUBBED ABOVE NEAREST ACCESSIBLE CEILING AND ONE (1) 20 AMP DUPLEX RECEPTACLE DEVICE ADJACENT.
120V CONNECTION TO CARD READER DOOR OPERATOR, DOOR HARDWARE BY OTHERS, WIRED BY ELECTRICAL.
POKE-THRU CONNECTION FOR POWER AND TEL./DATA SHALL BE WIREMOLD / WALKER RANOFFY. ELECTRICAL CONTRACTOR SHALL PROVIDE FLEXIBLE CONNECTION TO RECEPTACLES MOUNTED ON DESK AS INDICATED ON FLOOR PLANS. REFER TO ARCHITECTURAL DETAILS AND TELCOM DRAWINGS. EXACT LOCATION TO BE DETERMINED IN FIELD.
120V CONNECTION TO ELECTRIC WATER COOLER. FURNISHED AND INSTALLED BY OTHERS, WIRED BY ELECTRICAL CONTRACTOR.
GROUNDING BAR. "Tc" DENOTES TEL./DATA GROUNDING BAR.
120V CONNECTION TO ELECTRIC HAND DRYER. FURNISHED AND INSTALLED BY OTHERS, WIRED BY ELECTRICAL CONTRACTOR.