



FR. HAYES CENTER - PLAN KEY
NOT TO SCALE



60% PROGRESS SET	SEPTEMBER 26, 2013
70% FOR BIDDING ONLY	JAN. 07, 2014

ELECTRICAL NOTES

- RUN ALL EMERGENCY LIGHTING AND LIFE SAFETY DEVICES TO NEW LIFE SAFETY PANELS EM-1 AND LS-1 RESPECTIVELY LOCATED IN STORAGE ROOM (245).
- ISOLATED GROUND OUTLETS SHALL BE INSTALLED WHERE SHOWN ON PLAN AND BE CONNECTED TO PANELS WITH METAL CLAD CABLE (MC) WITH ALL CONDUCTORS, INCLUDING GR., INSULATED.
- FURNISH AND INSTALL FIRE ALARM DEVICES AS SHOWN ON PLAN AND CONNECT TO NEW FIRE ALARM PANEL IN STORAGE ROOM (245).
- THE CONTRACTOR SHALL PERFORM ALL ELECTRICAL WORK IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, AND THE REQUIREMENTS OF THE LOCAL, COUNTY, AND STATE GOVERNING AGENCIES HAVING JURISDICTION OVER THE PROJECT.
- SELECTED COMPONENTS, AND WIRING IN WIRING DIAGRAMS INDICATE A DESIRED RESULT AND IS A SUGGESTED ARRANGEMENT OF STANDARD ITEMS TO PRODUCE A SPECIFIC RESULT. THE ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL A COMPLETE WORKING SYSTEM TO PRODUCE THE DESIRED END RESULT INDICATED SCHEMATICALLY ON THESE DRAWINGS.
- THE ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL DISCONNECT SWITCHES FOR ALL MOTORS AND EQUIPMENT. THEY SHALL BE HORSEPOWER RATED AND FUSED AS REQUIRED BY THE NATIONAL ELECTRICAL CODE-LATEST EDITION.
- EXIT AND EMERGENCY FIXTURES ARE AC WITH AC POWER FROM THE NEW EMERGENCY ELECTRICAL PANEL LS-1 LOCATED IN STORAGE ROOM (245).
- SWITCHES SHALL BE MOUNTED AT 4'-0" TO THE BOTTOM OF THE PLATE. SWITCHES SHOWN IN THE SAME AREA SHALL BE GANGED IN A COMMON BOX AND PLATE. LOCATE SWITCHES 4 INCHES MIN. FROM THE NEAREST EDGE OF THE ADJACENT DOOR FRAME.
- MOUNT NEW AUDIO VISUAL ALARMS AT 90" A.F.F. TO CENTERLINE OF FIXTURE.
- MOUNT ALL FIRE PULLS AND OTHER DEVICES AT 48" A.F.F. TO BOTTOM OF FIXTURE. IN NO CASE SHALL ANY DEVICE BE INSTALLED HIGHER THAN 54" TO THE HIGHEST OPERATING PART.
- MINIMUM WIRE SIZE SHALL BE #12 AWG COPPER. ALL REFERENCE TO WIRE SIZE IS INTENDED AS COPPER. CIRCUIT BREAKER SIZE SHALL DICTATE WIRE SIZE OF ALL CONDUCTORS.
- THE ELECTRICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH THAT OF ALL OTHER TRADES WHERE EQUIPMENT AND OR DEVICES ARE FURNISHED BY OTHER TRADES IN ORDER TO ACHIEVE A COMPLETE OPERATING SYSTEM.
- OUTLETS OR JUNCTION BOXES MOUNTED BACK TO BACK ARE STRICTLY PROHIBITED.
- ALUMINUM CABLE WHERE INDICATED SHALL BE THREADED WITH COMPRESSION FITTINGS; USE ANTI-OXIDE PASTE.
- DISCONNECT, AND COMPLETELY REMOVE ALL EXISTING ELECTRICAL EQUIPMENT DEVICES AND COMPONENTS, FEEDERS, AND BRANCH CIRCUITS WHICH ARE AFFECTED BY THE NEW CONSTRUCTION.
- COMPLETELY REMOVE ALL ASSOCIATED ELECTRICAL COMPONENTS, WIRING AND BRANCH CIRCUITS WHERE DEVICES ARE DESIGNATED FOR REMOVAL. SEE DRAWING E-202.
- LOCATION OF ALL LIGHTING FIXTURES SHALL BE COORDINATED WITH THE ARCHITECTURAL DRAWINGS AND ACTUAL FIELD CONDITIONS.
- ELECTRICAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH ARCHITECTURAL, MECHANICAL, PLUMBING, SITE DRAWINGS, AND OTHER CONSTRUCTION DOCUMENTS. CONSULT THESE DRAWINGS FOR LOCATIONS AND DIMENSIONS OF OPENINGS, CHASES, INSERTS, REGLETS, SLEEVES, DEPRESSIONS, AND OTHER DETAILS NOT SHOWN ON THE ELECTRICAL DRAWINGS.
- ALL ELECTRICAL WORK SHALL BE PERFORMED IN A WORKMANLIKE MANNER AND THE WORK SHALL MEET THE REQUIREMENTS OF THE NATIONAL ELECTRIC CODE, THE OCCUPATIONAL SAFETY AND HEALTH ACT, AND CENTRAL MAINE POWER'S REQUIREMENTS.
- ELECTRICAL CONTRACTOR SHALL SUPPLY ALL BALLASTS, LAMPS, AND DIFFUSERS IN ALL NEW ELECTRICAL FIXTURES IN "LIMIT OF WORK AREA".
- ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL ALL SMOKE DETECTORS, HEAT DETECTORS, FIRE PULLS, FIRE HORNS, BELLS, ANNUNCIATOR PANELS, MAGNETIC DOOR HOLDBACKS, AND AUDIO VISUAL ALARMS IN ACCORDANCE WITH NFPA-101 & NEC REQUIREMENTS AS INDICATED SCHEMATICALLY ON THESE DRAWINGS.
- OWNER, TENANTS, SUBTENANTS, PUBLIC OR OTHERS MAY NOT OCCUPY NEWLY RENOVATED AREAS UNTIL AN OCCUPANCY PERMIT HAS BEEN ISSUED BY THE MUNICIPAL CODE ENFORCEMENT OFFICER.
- OWNER, TENANT, SUBTENANT OR OTHERS SHALL NOT OCCUPY NEWLY RENOVATED AREAS UNTIL THE BUILDING'S FIRE DETECTION, MECHANISM OF INITIATION, FIRE SUPPRESSION AND NOTIFICATION SYSTEM HAS BEEN INSPECTED AND APPROVED FOR OCCUPANCY BY THE MUNICIPAL CODE ENFORCEMENT OFFICE AND THE STATE OF MAINE FIRE MARSHAL'S OFFICE. PROVIDE THE ARCHITECT WITH WRITTEN CERTIFICATION OF GOVERNING AUTHORITIES APPROVAL.
- ELECTRICAL CONTRACTOR SHALL PROVIDE THERMALLY INSULATED HOUSINGS AROUND ALL ELECTRICAL FIXTURES IN CONTACT WITH INSULATION.
- ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL ALL GROUND FAULT INTERRUPTER (GFI) TYPE ELECTRICAL RECEPTACLES IN RESTROOMS, BUILDING EXTERIOR, AND ALL OTHER LOCATIONS REQUIRED BY GOVERNING CODES.
- NEW FIRE ALARM SYSTEM DEVICES SHALL BE COMPATIBLE WITH EXISTING SYSTEM.
- (E) = EXISTING DEVICE TO REMAIN.
- (R) = EXISTING DEVICE TO BE REMOVED

LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER	TRADE NAME	CATALOG NUMBER	VOLT	INPUT WATTS	LAMPS	BALLAST	MOUNTING	POLE CAT. NO.	REMARKS
H	LIGHTOLIER	FLOOR WRAP AROUND	KLT24012050	120	62	2	T8	ELECTRONIC	SURFACE CEILING	4' SURFACE MOUNTED W/ PRISMATIC LENS PRECAST CONCRETE BASE WITH TOP OF BASE AT 2'-0" ABV. FIN GRADE.

ELECTRICAL LEGEND

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| SWITCH | SECURITY CAMERA (CLG. MTD.) |
| INFRARED MOTION CONTROL SWITCH | NON-FUSED DISCONNECT |
| 3-WAY SWITCH | FUSED DISCONNECT |
| 4-WAY SWITCH | SMOKE DETECTOR |
| DIMMER SWITCH | HEAT DETECTOR |
| SWITCH W/ PILOT LIGHT | THERMOSTAT |
| DUPLEX RECEPTACLE | MOTION DETECTOR |
| RECEPTACLE W/ GROUND FAULT INTERRUPTER | ALARM SYSTEM KEYPAD |
| DOUBLE DUPLEX OUTLET | STROBE |
| WATERPROOF DUPLEX RECEPTACLE (GFI) | HORN / STROBE |
| TV SYSTEM RECEPTACLE | CARD READER |
| COMMUNICATION & DATA RECEPT. (DUPLEX) | ELEC. DOOR STRIKE |
| COMMUNICATION & DATA RECEPT. (QUAD) | ALARM LIGHT (CLG. MTD.) |
| TELEPHONE JACK (DUPLEX) | (E) EXISTING DEVICE OR COMPONENT |
| TELEPHONE JACK (QUAD) | (N) NEW DEVICE OR COMPONENT |
| ELECTRIC JUNCTION | (R) DEVICE OR COMPONENT TO BE REMOVED |
| WIRE MOULD (FULL LENGTH OF COUNTER) | |

RELEASED FOR BIDDING - JANUARY 07, 2014
NOT FOR CONSTRUCTION

ST. BRIGID SCHOOL RESTROOM RETROFIT PROJECT FOR
CATHOLIC DIOCESE OF PORTLAND
695 STEVENS AVENUE
PORTLAND, MAINE

FHR-E-200

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PROJECT NO.: 082813 PROJECT TITLE: ST. BRIGID SCHOOL RESTROOM RETROFIT PROJECT
SCALE: 1/2" = 1'-0" SHEET TITLE: RESTROOM ELECTRICAL POWER, EMERGENCY & LIGHTING PLAN

FH RESTROOM ELECTRICAL & EMERGENCY DEVICE PLAN

1/2" = 1'-0"

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