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

Date  
11/10/06 Final-Issued for Construction

Scale  
NONE

Francis

Cauffman

Foley

Hoffmann

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Project Title 215-568-8250

Mercy Health Care  
System of Maine

FORE RIVER SHORT  
STAY HOSPITAL



Project Number  
F05-4898

Drawing Title and Number  
ELECTRICAL LIGHTING  
FIXTURE SCHEDULE

E5-5

Table with 7 columns: TYPE, DESCRIPTION, MANUFACTURER, CATALOG NUMBER, NUMBER, WATTS, TYPE, VOLTS, NOTES. Includes fixtures like O.R. SURGICAL TROFFER WITH ASYMMETRIC LENS, 2'x2' LENSED FLUORESCENT TROFFER, SHOWER LIGHT, 6" DIAMETER COMPACT DIMMABLE FLUORESCENT DOWNLIGHT, etc.

Table with 7 columns: TYPE, MFG., DESCRIPTION, LAMPING, WATT, VOLT, MFR., CATALOGUE NO. Includes fixtures like COMPACT FLUORESCENT DOWNLIGHT LUMINAIRE, UNDER-CABINET, PEND, REC-IN-WALL, SURF, etc.

Table with 7 columns: TYPE, MFG., DESCRIPTION, LAMPING, WATT, VOLT, MFR., CATALOGUE NO. Includes fixtures like DIRECT/INDIRECT LUMINAIRE, WALL, WALL, WALL, REC, REC, FOCAL POINT, etc.

GENERAL NOTES:
1. Fixtures, lamps and related devices furnished under this contract shall carry the approval label of UL or ETL for the specific application in which they are used.
2. The statement "point finish to be selected by Design Professional" shall be interpreted to mean that the point finish of the luminaire shall match the appearance of a paint chip or color number furnished by the Design Professional during the submitted review process.
3. Unless otherwise indicated, all fluorescent lamp ballasts shall be electronic type. Electronic ballasts for straight and U-bent lamps shall be rapid-start type and shall be Advance Standard series or Magnetek Triod series. Electronic ballasts for compact fluorescent lamps (twin tube, quad tube and triple tube) shall be equipped with a protective shut down circuit to shut off the ballast when the lamp is approaching failure. Unless otherwise noted, fluorescent lamp dimming ballasts shall be Lutron H-Lume series. Unless otherwise noted, high wattage HID lamps shall be CWI type, low wattage HID lamps shall be high power factor reactor (HX-HFP) type.
4. Unless otherwise noted, lamp designations are for lamps by Osram/Sylvania. Lamps of equivalent characteristics with equal or greater performance from General Electric, Philips Lighting and Venture Lighting are acceptable alternatives.
5. Contractor shall confirm that fixture wattages and fixture ceiling trim are compatible with their application prior to ordering fixtures.
6. Contractor shall select, furnish and install the correct size of secondary wiring from remote transformers and/or remote ballasts as required to keep voltage drop in the secondary wiring below 3% of rated voltage.
7. Contractor shall provide labor and equipment for focusing of adjustable fixtures and presetting of lighting control systems. Focusing and presetting shall be done in the presence of the design professional. Contractor shall focus lighting after dark if directed by the owner's representative. Contractor shall provide at least one day of a factory-trained and certified technician to provide warranty start up and programming for all lighting control systems and programmable lighting fixtures.

8. Contractor shall provide the following with his bid:
a. The unit price, without lamp, for each lighting fixture type listed above. The unit price shall be for the fixture as provided by one of the manufacturers listed in the schedule for that type. The manufacturer shall be identified. Substitutions or fixtures provided by manufacturers not listed in the schedule are not acceptable.
b. The total quantity of each fixture type with the price extension for that quantity.
9. Within 21 days of contract award, the contractor shall furnish submittals for all specified lighting fixtures for review by the Design Professional. The submittals shall include luminaire catalog cuts identifying the following:
a. manufacturer's name and complete catalog number
b. fixture type, dimensions and finish
c. fixture photometric test data from an independent test laboratory
d. fixture accessories, when specified
e. lamp type, quantity, wattage, lumen output, rated life, color temperature, color rendering index and beam spread as applicable
f. ballast type and fixture voltage
Submittals for lighting fixtures mounted within architectural covers or casework, and for non-standard or custom fixtures, shall also include schematic drawings showing the layout and dimensions of all fixture components and accessories, the method of installation, and a complete bill of materials.
10. Lighting fixture substitution requests must be received by the Lighting Designer for review 14 days prior to bid date. Failure to submit within that deadline shall constitute a guarantee that the specified fixtures will be supplied. The submittal shall include the following:
a. six copies of the submittals required above in paragraph 9 for both the specified fixture and the proposed substitution.
b. one non-returnable sample of the proposed substitute fixture with specified lamps and cord & plug connection for 120 volt operation.

CONTRACTOR'S STATEMENT: The contractor's statement indicating the effect of the substitution on the construction schedule compared to the schedule without the approval of the proposed substitution.
2. contractor's certification that the proposed substitution conforms to the requirements of the contract documents in every respect and is appropriate for the applications indicated in the documents.
3. contractor's certification that any modifications to any building system or equipment that may result from the proposed lighting fixture substitution will be designed and constructed at the contractor's expense.
4. contractor's waiver of rights to additional payment or time that may become necessary should the proposed substitution fail to perform in a manner that matches the specified fixture.
The Lighting Designer shall be reimbursed by the Contractor for all of the Designer's time associated with the review of fixture substitution. Payment shall be made in the amount of the review based on the Designer's estimate of the required time. The payment shall be based on the designer's standard hourly rates for the personnel involved in the review.
LIGHTING FIXTURE KEY NOTES:
1. ELECTRICIAN CONTRACTOR SHALL VERIFY FIXTURE TYPES WITH ARCHITECT PRIOR TO INSTALLATION.
2. FIXTURE SHALL BE MOUNTED AS INDICATED ON DRAWINGS.
3. ALL FIXTURES SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE, INDEPENDENT OF SUSPENDED CEILING.
GENERAL LIGHTING FIXTURE SCHEDULE NOTES:
A. EXACT LOCATION OF LIGHTING FIXTURES SHALL BE AS INDICATED ON THE ARCHITECTURAL PLANS. REFER TO ARCHITECTURAL DETAILS, ELEVATIONS ETC. TO DETERMINE PENDANT ELEVATIONS.
B. COLOR SHALL BE SELECTED BY THE ARCHITECT.
C. EXIT SIGNS SHALL BE PROVIDED WITH NUMBER OF FACES, AND DIRECTIONAL ARROWS AS INDICATED ON THE ELECTRICAL PLANS.
D. ALL FLUORESCENT LAMPS SHALL HAVE A COLOR TEMPERATURE OF 3500K AND A MINIMUM COLOR RENDERING INDEX OF 80.
E. PROVIDE ELECTRONIC BALLASTS ON ALL FLUORESCENT LIGHTING FIXTURES AND END OF LIFE LAMP PROTECTION ON ALL COMPACT FLUORESCENT FIXTURES.
LIGHTING FIXTURE SWITCHING NOTES:
A. ALL UNDERCOUNTER TASK LIGHTS SHALL HAVE A WALL MOUNTED MASTER SWITCH SEPARATE FROM THE GENERAL ROOM LIGHTS TO CONTROL A CONTINUOUS ROW OF UNDERCOUNTER TASK LIGHTING. THIS SWITCH SHALL BE MOUNTED ADJACENT TO THE TASK LIGHTING EVEN IF NOT INDICATED ON THE LIGHTING PLANS.
B. LIGHTING FIXTURES INDICATED WITH A SOLID DOT ARE CIRCUITED TO THE LIFE SAFETY BRANCH AND SHALL REMAIN UNSWITCHED UNLESS OTHERWISE NOTED.

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