

Great Wolf Lodge

**Turner Logistics Furnished Equipment
Electrical Equipment Package**

- A. The following equipment will be furnished to the jobsite by Turner Logistics and will be installed by the ELECTRICAL Subcontractor. All other equipment as indicated on the drawings and specifications is to be furnished and installed as Subcontractor Contract Work. Refer to Paragraph D for the specific inclusions/ exclusions of the Equipment.
1. Transformers
 2. Main Distribution Boards
 3. Main Emergency Distribution Panels
 4. Distribution Boards
 5. Diesel Driven Emergency Generator
 6. Automatic Transfer Switches
- B. The ELECTRICAL subcontractor is responsible for the coordination, installation, and all other miscellaneous provisions for this equipment as if it were purchased directly by this subcontractor (i.e. schedule, seismic & anchorage calculations, receipt, rigging, storage, protection, site related materials, trade coordination, dock to pad rigging coordination, equipment operation during temporary service use, cleaning/adjusting, startup/commissioning and training to include "As Built" record comments including all references to subcontractor supplied scope and materials, as defined by the equipment specifications). The ELECTRICAL subcontractor shall review the projects equipment specification (Turner Logistics Purchased Equipment as defined below) including but not limited to ALL referenced sections, and include within their bid ALL components not to be provided by the equipment manufacturer that is required for the installation in order to provide complete and operational equipment and / or integrated systems (i.e. but not limited to, hangers, supports, isolators, seismic work, starters, electrical fixtures, wiring and conduit controls, auxiliary contacts, identification, insulation, subcomponents, spacers, lugs, nuts, bolts, washers, interface wiring and components, etc.) In addition, the Subcontractor will provide the following as part of the Work:
1. Review and mark up all submittals to insure conformance with the plans and specifications. Identify any potential coordination issues for the equipment. The submittals will be provided by the manufacturers to the ELECTRICAL subcontractor and must be returned to Turner Construction listing potential issues within 10 working days.
 2. The ELECTRICAL Subcontractor shall furnish seismic and anchorage submittals as required for all equipment furnished by Turner Logistics.
 3. The ELECTRICAL Subcontractor will furnish information required for the pursuance of the short circuit/coordination study including but not limited to actual feed lengths utilized.
 4. The manufacturers will notify the ELECTRICAL subcontractor when the equipment is ready to ship. The ELECTRICAL subcontractor will then coordinate the exact scheduled delivery with the Turner Logistics Project Manager.

Great Wolf Lodge

**Turner Logistics Furnished Equipment
Electrical Equipment Package**

5. The ELECTRICAL Subcontractor must receive, accept, off load, inventory, store and protect the Equipment.
 6. The ELECTRICAL subcontractor will complete the acceptance and inventory form noting any shortages and/or shipping damages upon arrival of the equipment to the site with the assistance of a Turner Logistics Representative.
 7. The ELECTRICAL Subcontractor will provide all necessary hoisting and rigging for the installation of the Equipment.
 8. The ELECTRICAL Subcontractor will assemble and install all components of equipment shipped loose and install them per the manufacturer's recommendations.
 9. Any required bolting hardware shall be furnished and installed by the ELECTRICAL Subcontractor. The ELECTRICAL Subcontractor must coordinate with the Manufacturer for this work.
 10. The ELECTRICAL Subcontractor will furnish and install vibration isolators as required by the drawings and specification.
 11. Seismic restraints/mountings will be furnished and installed by the Electrical Subcontractor, and coordinated with the Manufacturer.
 12. All piping, conduit, lighting controls and external controls/building automation controls, are to be provided by the ELECTRICAL Subcontractor.
 13. The ELECTRICAL Subcontractor is responsible for the Labor Warranties.
 14. Any touch up to the equipment components after installation is by the ELECTRICAL subcontractor.
 15. The ELECTRICAL subcontractor is responsible for all Field Testing and Ground Fault Testing and any testing required by Independent Agency Testing.
- C. The following will be provided by others:
1. The manufacturer will supply the parts warranties as specified. The ELECTRICAL Subcontractor is not responsible for equipment warranties provided by the manufacturers.
 2. The manufacturer will provide the Protective Device Coordination Study per Specification 260573.
- D. The following will be provided as part of the Turner Logistics furnished equipment unless noted otherwise:
1. Electrical equipment as shown on Partial Hotel Single-Line Diagram, Partial Lobby Single-Line Diagram and Emergency System Single-Line Diagram Sheet(s) E0.4, E0.5, E0.6, E0.7, E0.9 dated 08/23/2013 consisting of the following equipment:

Exhibit "X"
Great Wolf Lodge
Turner Logistics Furnished Equipment
Electrical Equipment Package

- a. Main Service Switchboards:
 - Sheet E0.4, E0.6
 - MSBH
 - MSBL

- b. Main Distribution Boards:
 - Sheets E0.4, E0.6
 - HH1M
 - LHBM

- c. Transformers:
 - Sheets E0.4, E0.5, E0.6, E0.7, E0.9
 - TL9
 - HT1
 - HT1A
 - HT1B
 - HT4
 - HT4A
 - HT4B
 - HT7
 - HT7A
 - HT7B
 - LTBLM
 - LTB
 - LTBF
 - LTBAV
 - LT3
 - ELTBN
 - EWTB
 - ELTB
 - EHT2
 - ELT3
 - EHT5
 - EHTB
 - EHT9N

- d. Distribution Panels
 - Sheets E0.4, E0.5, E0.7
 - HH1D
 - HH4D
 - HH7D
 - HL1D
 - HL1DA
 - HL1DB
 - HL4D
 - HL4DA

Exhibit "X"
Great Wolf Lodge
Turner Logistics Furnished Equipment
Electrical Equipment Package

- HL4DB
- HL7D
- HL7DA
- HL7DA
- HL7DB
- LHBD
- LLBD
- LHBDF
- LLBDF
- LHBDT
- LH3HB
- LL3H
- LL3D

e. Diesel Driven Emergency Generator:

- Sheet E0.9
- Emergency Generator

f. Automatic Transfer Switches:

- Sheet E0.9
- LATSN
- HATS
- WATS
- LATS

g. Main Emergency Distribution Panels

- Sheet E0.9
- EHH9D
- EHH1M
- ELHBD

2. The following equipment will be exclusions to Turner Logistics Scope of Work and will therefore be included in the ELECTRICAL Subcontractors scope to furnish and install:

- a. Waterpark Electrical Equipment (Sheet E0.8)
- b. Loose Circuit Breakers
- c. AV Panels
- d. Panelboards
- e. Fire Pump/ATS
- f. Dimmer Panels
- g. Lighting Panels
- h. Light Fixtures and Sensors
- i. Disconnect Switches
- j. Safety Switches
- k. Equipment Labor Warranty

Great Wolf Lodge

Turner Logistics Furnished Equipment
Electrical Equipment Package

- E. Refer to Attachment 'C' for Switchgear, Generator and Automatic Transfer Switches Coordination Matrix, for further scope details.

END OF DOCUMENT