



Clark County Department of Building & Fire Prevention

4701 West Russell Road, Las Vegas, NV 89118 ~ (702) 455-3000

Amusement & Transportation Systems Building Permit Guide

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Part I. General Information

This guide outlines the requirements for application to construct, install and operate Amusement and Transportation Systems (ATS).

Part II. Approved ATS Manufacturer Requirements

- A. An amusement and transportation system (ATS) constructed off site to be assembled or installed in Clark County must be done at an approved manufacturer's site. To be an approved manufacturer, the following criteria must be met:
 1. Submit completed application form with applicable fee.
 2. Provide one (1) copy of the manufacturer's quality control manual.
 3. Provide one (1) copy of latest in-plant audit.
- B. The manufacturer's quality control manual will be reviewed for compliance with ASTM F 1159, as adopted in the Clark County Amusement and Transportation Systems Code, and Clark County Technical Guideline 1 (TG-1).
- C. Manufacturers may be required to have third-party inspections related to in-house welding, bolting, structural steel, and pneumatic, electrical or hydraulic components. These additional inspections are dependent on existing internal quality control procedures and complexity of the ATS's devices.

Part III. Submittal Requirements

- A. A principal design professional must be designated for the project. This individual will be responsible for the following coordination:
 1. Architectural, structural, electrical and mechanical impacts of the ATS to the existing or proposed building.
 2. Key contact for plan review and inspection correspondence
- B. A pre-submittal meeting must be scheduled with Building Plans Examination to coordinate permit sequencing for the ATS.
- C. Three (3) sets of construction plans (including structural, electrical, plumbing, mechanical, etc., as appropriate) must be submitted depicting the exact fabrication and/or construction plans. Calculations must include all disciplines being submitted and must justify the construction plans. Calculations will cover all of the minimum elements identified for the construction plans.
- D. Two (2) sets of calculations are required to accompany the construction plans. Calculations must include all disciplines being submitted and must justify the construction plans. Calculations will cover all of the minimum elements identified for the construction plans.

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- E. Two (2) copies of the Operations/Maintenance Manual(s) shall be permitted. The manual(s) shall identify:
 - 1. Operations
 - 2. Testing
 - 3. Maintenance
 - 4. Inspection procedures as identified in ASTM F770-93, ASTM F846-93, respectively and as adopted in the Amusement and Transportation System Code.
 - F. When the ATS is not designed by a Nevada registered engineer or architect, the plans, specifications and calculations shall be reviewed by an engineer registered in Nevada in accordance with Section 22.16.130 of the Amusement and Transportation Systems Code.
 - G. Other proof for adequacy of design, such as testing or product listing or other appropriate documentation, may be required and accepted in lieu of engineering design or calculations.
 - H. Exiting and occupancy issues shall be addressed by a licensed architect, and the impact to the existing proposed building shall be addressed by a registered engineer pursuant to the Clark County Building Code.

NOTE: Only licensed contractors are eligible to obtain permits in Clark County.

Part IV. Inspection & Testing

- A. Construction and/or fabrication of an ATS is subject to special inspection (observation and testing of concrete, welding, bolting, etc.) and building, plumbing, mechanical, and electrical inspections as required by adopted codes.
- B. In addition to the required inspections during construction, a pre-commissioning inspection must to be performed as required by ASTM F846-92, Sections 6 and 7, as adopted in the Clark County 1998 Amusement and Transportation Systems Code. The manufacturer must identify the elements of pre-commissioning inspection during the plan review phase. These elements become the inspection criteria for the ATS special case inspection.
- C. Software packages that control an ATS by computer may be required to be reviewed by an agency acceptable to the Department of Building. This review would consider all safety and ridership issues and ensure that the ATS would perform in accordance with the Operations/ Maintenance Manual(s) and any applicable codes.
- D. Required inspections for ATS are listed below:
 - 1. ATS rough inspections must be completed prior to any operational testing or training of personnel:
 - a. Final structural inspection – Verification that all required inspection items have been performed and the special inspection final report has been reviewed and accepted by the Building Official.
 - b. Rough electrical inspection – The electrical system for the ATS is in place and this inspection is performed prior to the device being energized.
 - c. Rough amusement ride inspection – Completion of all essential elements of the ATS and prior to the inspections listed above.

2. Amusement ride final inspections:

- a. Final electrical inspection – Operational testing of electrical components, completion of a third-party listing (if required), and completion of software review (if required).
- b. Final QAA ATS inspection – Final compliance report reviewed and accepted for the third-party amusement ATS special cases inspections.
- c. Final ATS inspection – Trained operators must demonstrate loading, unloading, emergency conditions and evacuations.

E. Upon Completion of a final ATS inspection, the owner/operator will be issued an ATS Operation Certificate.

Part V. ATS Operation

- A. A valid, current ATS Operation Certificate is required. Certificates are valid for one year from the date of issuance.
- B. The owner/operator is required to operate and maintain the ATS in accordance with the Operations/Maintenance Manual(s) and any applicable codes.
- C. Third-party verification is to be performed on a yearly basis in order to renew the ATS Operation Certificate. This inspection will verify that all required inspections and tests were performed in accordance with the manufacturer's recommendations and the Operations/Maintenance Manual(s).
- D. An inspection performed by the Clark County Department of Building Inspection Division is also required prior to the renewal of the certificate.

Part VI. Reference Documents

Currently adopted:

- TG-1 Preparation of an Operations/Quality Control Manual for Structural Steel Fabricators
- TG-3 Application Procedure for Approved Listing
- TG-40 Structural Steel Frame, Field Inspection and Testing
- TG-41 Inspection and Testing of High Strength Bolting
- Clark County Building Administrative Code
- Southern Nevada Building Code Amendments
- Clark County Amusement and Transportation Systems Code

Department of Building & Fire Prevention Locations & Services

MAIN OFFICE 4701 W. Russell Road Las Vegas, NV 89118 (702)455-3000	On-Site Plan Submittals All "Walk-Through" Plan Review / Permitting Functions Residential Tract Submittal / Permitting All Sub-Trade (Electrical, Plumbing & Mechanical) Permitting Building Inspection Scheduling Functions Fire Prevention Inspection Services Records	Temporary Certificate of Occupancy Submittals Building Inspections Building Inspector Inquiries Amusement / Transportation Systems Operation Certificates Approved Fabricators Quality Assurance Agency Listing
LAUGHLIN OFFICE Regional Government Center 101 Civic Way Laughlin, NV 89029 (702)298-2436	Building Inspection Services Fire Prevention Inspection Services	
OVERTON OFFICE 320 North Moapa Valley Blvd. Overton, NV 89040 (702)397-8089	Building Inspection Services Fire Prevention Inspection Services	

Automated Phone System (702) 455-3000

- Option 1:** For all Inspection services or to report a building code violation.
- Option 2:** For information regarding on-site permits or new plan submittals.
- Option 3:** For the Building Plans Examination division or QAA information.
- Option 4:** For the Zoning Plans Examination division.
- Option 5:** For information or copies regarding land development, construction documents, plans or permits.
- Option 6:** To speak with Management staff.
- Option #:** For hours of operation, Office location and website information.

Other Clark County Departments/Divisions/Districts

Air Quality & Environmental Management	500 S. Grand Central Parkway, Las Vegas NV	(702) 455-5942
Public Works, Development Review Services	500 S. Grand Central Parkway, Las Vegas NV	(702) 455-6000
Comprehensive Planning	500 S. Grand Central Parkway, Las Vegas NV	(702) 455-4314
Fire Department	575 E. Flamingo Road, Las Vegas NV	(702) 455-7316
Las Vegas Valley Water District	1001 S. Valley View Boulevard, Las Vegas NV	(702) 870-2011
Southern Nevada Health District	625 Shadow Lane, Las Vegas NV	(702) 759-1000
Water Reclamation District	5857 E. Flamingo Road, Las Vegas NV	(702) 668-8888

State of Nevada

Division of Water Resources	400 Shadow Lane, Suite 201, Las Vegas NV	(702) 486-2770
Nevada State Contractors Board	2310 Corporate Circle, Suite 200, Henderson NV	(702) 486-1100

Utilities

Nevada Power	6226 W. Sahara Avenue, Las Vegas NV	(702) 402-5555
Southwest Gas	5241 Spring Mountain Road, Las Vegas NV	(877) 860-6020

www.clarkcountynv.gov/building