

Scope of Work

Fabrication of Custom TV Pit Stands – Two Kings Casino Project

1. Project Overview

This Scope of Work (SOW) outlines the requirements for the design, engineering, fabrication, finishing and installation of thirty two custom steel TV Pit Stands for the new Two Kings Casino. The stands will support (4) 65" displays each and must meet both structural and aesthetic requirements, with full consideration for cable management, future adaptability, and coordination with the raised floor system.

2. General Requirements

- Fabricate custom TV Pit Stands designed to support (4) 65" flat-panel displays and their respective mounts.
 - Stands must be structurally engineered and stamped by a licensed structural engineer to confirm the assembly meets all code requirements and supports the full load of the displays and mounts.
 - All TV Pit Stands must be fabricated using steel components and finished with a durable black powder-coated finish.
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3. Structural Design & Components

The custom TV Pit Stand shall be composed of the following major components, fabricated and assembled to precise specifications:

3.1 Base Plate

- Heavy-duty steel base plate designed to anchor securely to substructure beneath the raised floor.
- Base Plate to be independent piece from main vertical support
- Base must be engineered to support dynamic and static loads of the complete assembly and all mounted displays.
- Base plates must be designed to be installed after raised floor frame has been installed.

3.2 Vertical Support Column

- Structural steel column extending from base plate to top of the TV mounting structure.
- Column must include:
 - Independent Internal cable pathway for both power and data.
 - Access ports at floor level and display level for routing connections.
 - Accommodations for mechanical attachment of all upper components.

3.3 TV Triangle Support

- Custom steel triangular support frame designed to mount (4) 65" displays in a 360-degree orientation.
- Displays to be angled downward at 12 degrees, fixed at this tilt for optimal visibility.
- Must allow for precise alignment of displays and secure attachment of mounts.
- The triangle support structure must be capable of:
 - Supporting different VESA-compatible mounting patterns.
 - Being adaptable for future display model changes with minor or no modification.

3.4 Solid Corner Filler Panels

- Steel filler panels to be fabricated to fill in corner gaps between adjacent displays.
- Must be flush with front display plane and finished to match the TV Pit Stand.
- Designed for both aesthetic continuity and minimal obstruction.

3.5 Bottom Cover Panel

- Custom removable cover panel fabricated to conceal power and data connections at the bottom of the column as indicated in drawings.
- Must be easily serviceable and attach securely to column base.

4. Installation Requirements

- The bottom edge of all installed TV displays must be exactly 7'-6" above finished floor (AFF).
- Additional 1'-0" height must be incorporated into the stand's base assembly to account for the raised access floor system.
- All components must be modular to allow for ease of transport, handling, and on-site assembly.

Two Kings Casino - Pit Stands

- Phased install approach. Phase 1 included seven(7) stands for the Introductory Casino and twenty five(25) in the Main Casino
 - Coordinating installation with other trades.
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5. Fabrication & Finish

- All steel components to be fabricated to professional standards with clean welds, precise cuts, and deburred edges.
 - Final product shall receive:
 - Sandblasting or other appropriate surface prep
 - Black powder-coated finish, matte or satin, to match casino aesthetics.
 - Finish must be durable, corrosion-resistant, and suitable for indoor commercial use.
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6. Engineering & Certification

- A licensed structural engineer must review the design and provide stamped drawings confirming the assembly meets local and project-specific structural requirements.
 - Engineering review shall account for:
 - Total load of (4) 65” displays and mounts.
 - Vibrational stability.
 - Safety factors for public/commercial use.
 - Raised floor load transfer and anchoring considerations.
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7. Adaptability & Maintenance

- TV Pit Stand must be engineered for adaptability, allowing for future reconfiguration in case of display replacement.
 - Mounting frame must support minor field modification or bracket replacement for different display models (size, weight, VESA patterns).
 - All panels, covers, and components must be removable or serviceable without the need for full disassembly.
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8. Deliverables

- Fully fabricated and finished custom TV Pit Stands.
- Stamped structural engineering drawings and load calculations.
- Assembly drawings and installation instructions.
- Maintenance and modification guidelines.
- Warranty information for fabrication and finishing (if applicable).
- It is the responsibility of the vendor to store Pit Stands until installation occurs

9. Exclusions

Unless otherwise specified, the following are excluded:

- Electrical/data cabling or termination.
- Display screens or mounts (provided by others).
- Floor penetration or substructure reinforcement (by others).

10. Approval Process

- Shop drawings and engineering documentation must be submitted for client and architect approval prior to fabrication.
- Mock-up or prototype unit may be requested for review and adjustment prior to full production.