



iRAIL - Linear LED System

Lighting Integration for Architectural Railings



VIVA RAILINGS
LEADERS IN ARCHITECTURAL RAILING SYSTEMS

DESIGN • ENGINEER • FABRICATE • INSTALL



151 W. Vista Ridge Mall Dr. Lewisville, TX 75067



972-353-8482



info@vivarailings.com



vivarailings.com

iRAIL LINEAR LED SYSTEM



iRail Linear LED System

The iRail Linear LED is a versatile and energy-efficient lighting solution tailored for modern architectural projects. Designed for seamless integration into railings, it provides safe and stylish illumination for pathways, staircases, and public spaces.

Highlights:

- Energy-efficient: 3W/ft and 5W/ft options available.
- IP67-rated for durability in all environments.
- Available in stainless steel or wood finish handrail/top rail for compatibility with various designs.

Performance Insights:

- Symmetrical Orientation: Uniform lighting for balanced illumination.
- Asymmetrical Orientation: Focused lighting for directional needs (ideal for walkways).

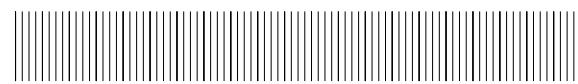
Applications:

- Public and Private Pathways
- Staircase Lighting
- Indoor and Outdoor Architectural Elements

Light Dispersion Diagrams: See diagrams and tables for light output at different heights and distances on pg 4.



DETAILS



TOP RAIL / HAND RAIL

FINISH

SPEC

iRAIL LINEAR (CONTINUOUS iRAIL)¹

Ø1-1/2" Stainless Steel (304 or 316)

#6 Satin

Ø1-1/2" Stainless Steel 201

Powder Coat

Ø2" Wood (Red Oak, White Oak, Cherry
or Maple)²

Unstained

Color: 2700K to 6500K variable / adjustable.

Output: 0 to 5 Watt/ft adjustable. (SYM 50% to 100% - 275lm/ft to 500lm/ft) (ASY 50% to 100% - 250lm/ft to 490lm/ft)

Beam Angle: 120°

Orientation: Symmetrical or Asymmetrical at 30°

Power: Input 120 - 277 V AC, Output 12 V DC

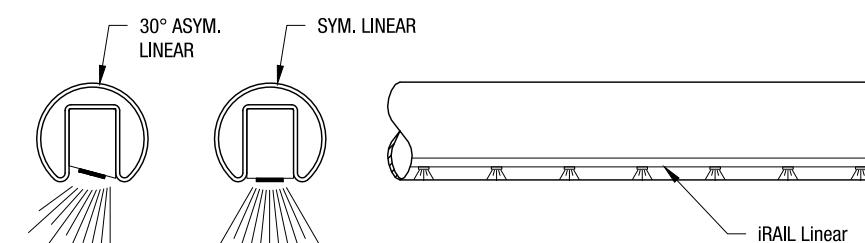
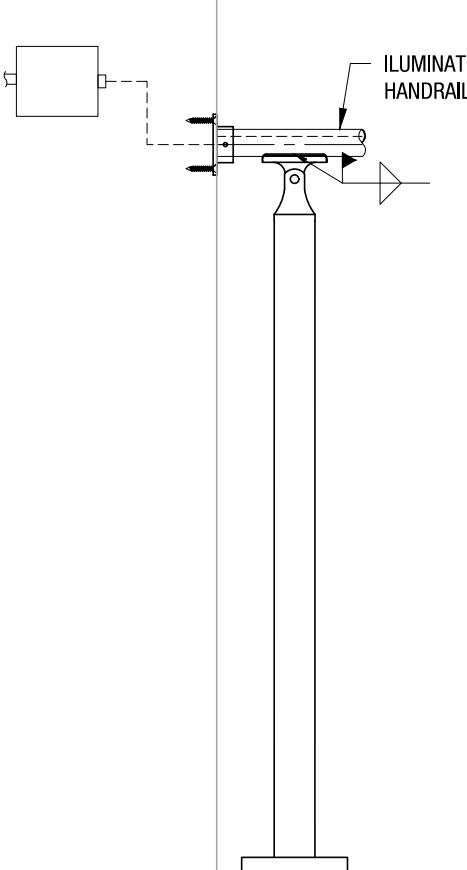
Lens: Clear

CRI: >90

Rating: IP67



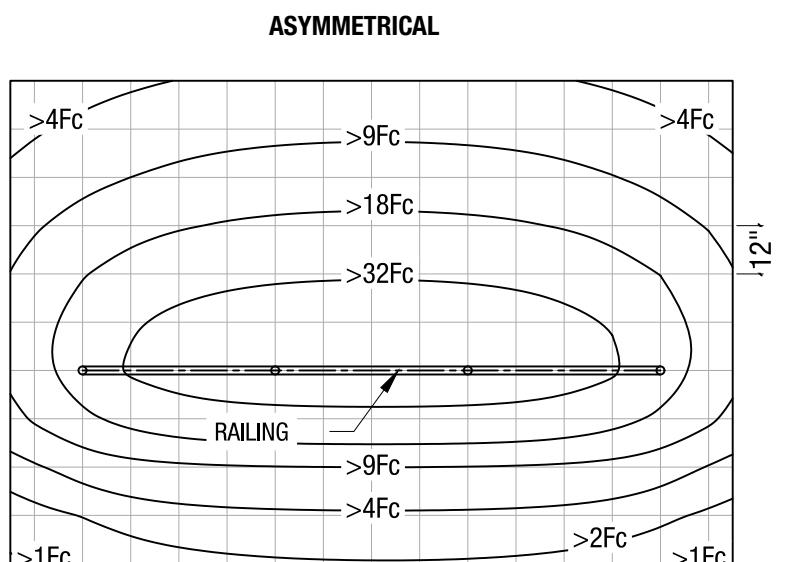
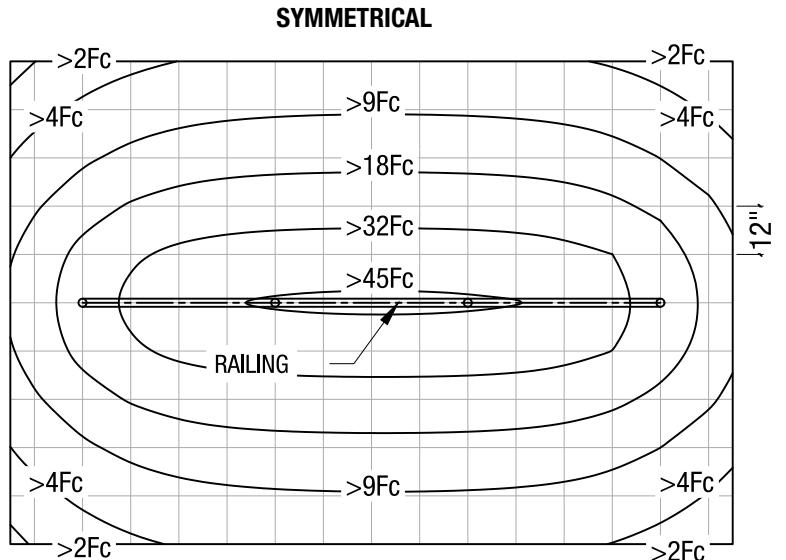
Intertek
All LED LINEAR products are ETL certified;
ETL mark is proof of product compliance to
North American safety standard.



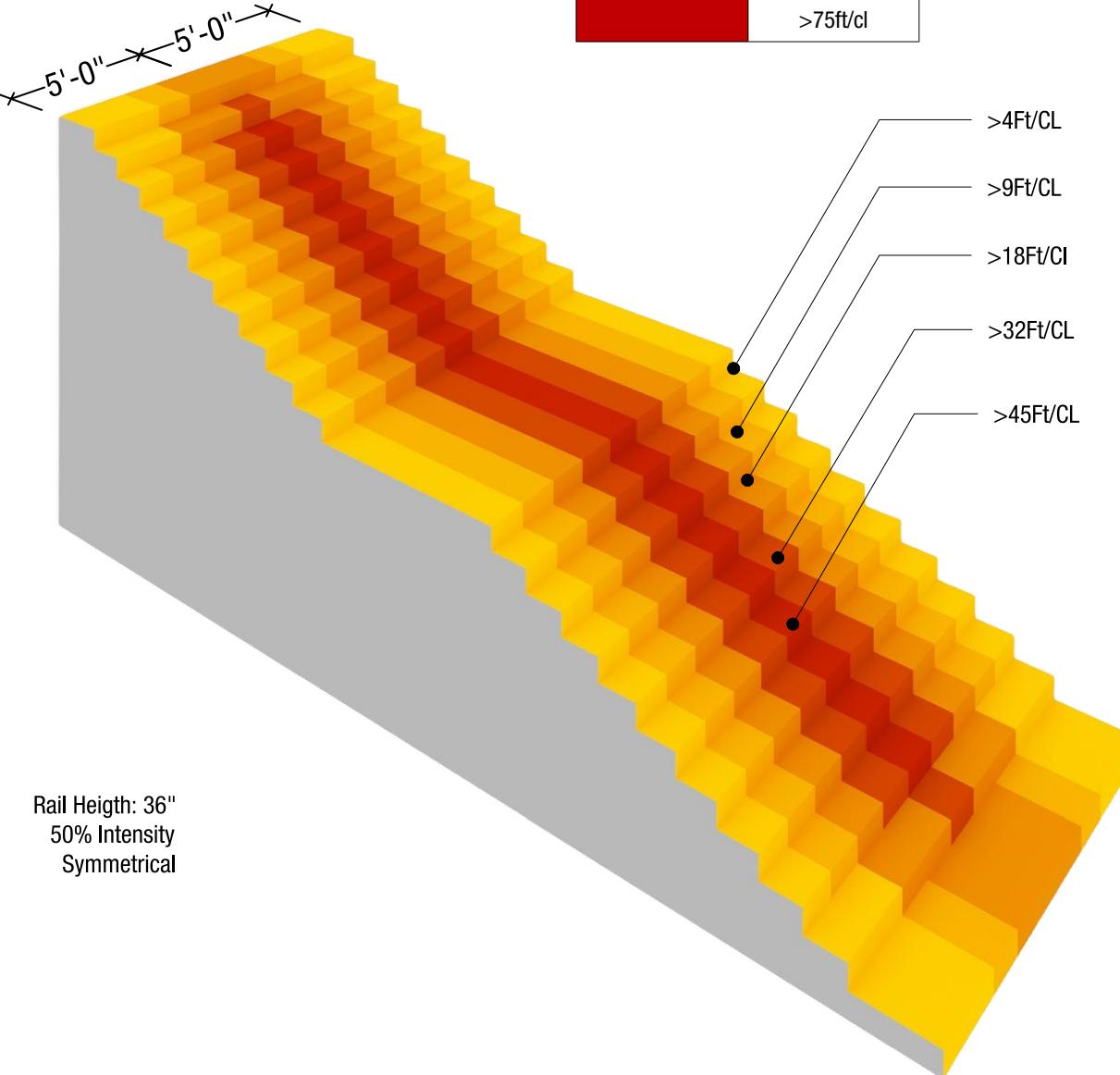
iRAIL LINEAR ORIENTATION OPTIONS

Rail Height: 36"

50% INTENSITY

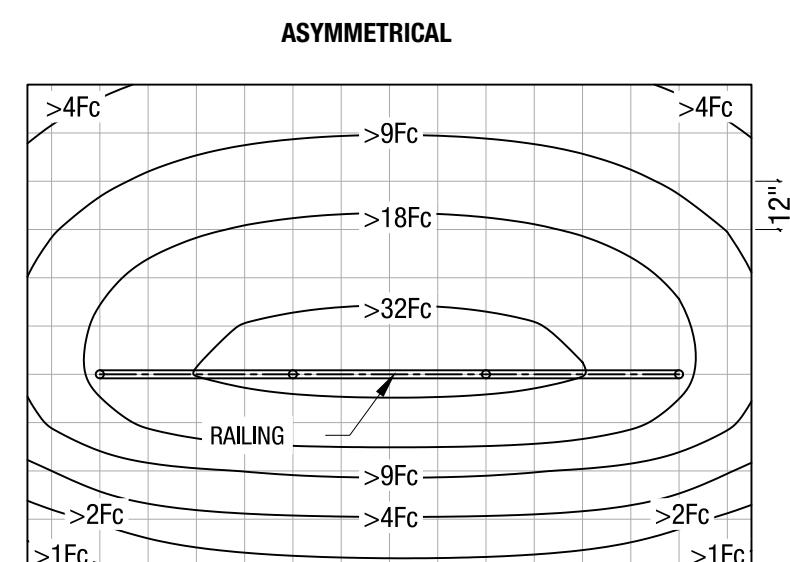
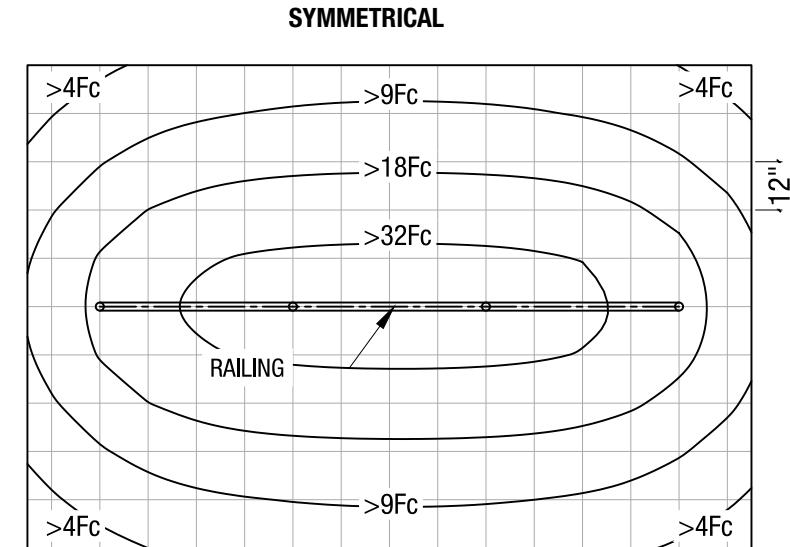


Legend	
Color	Intensity (ft/cl)
Yellow	>1ft/cl
Light Orange	>2ft/cl
Orange	>4ft/cl
Dark Orange	>9ft/cl
Red	>18ft/cl
Dark Red	>32ft/cl
Very Dark Red	>45ft/cl
Black	>75ft/cl



Rail Height: 42"

50% INTENSITY



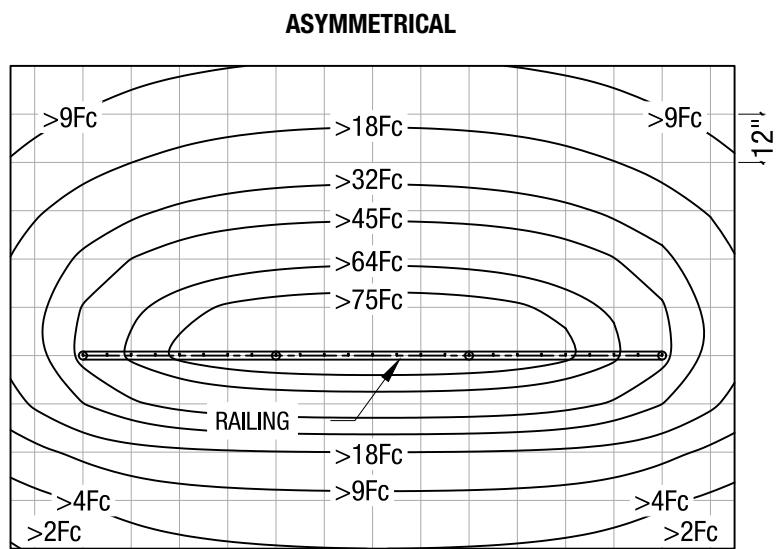
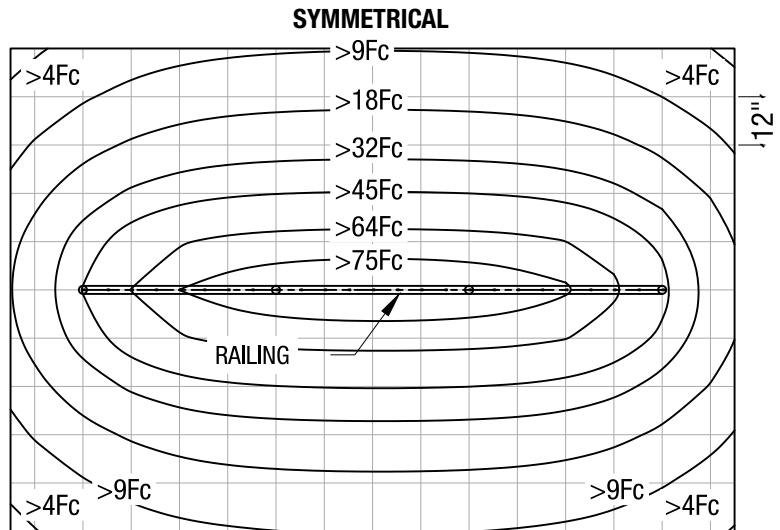
ALL VALUES IN FOOT-CANDLE (FC)

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Rail Height: 36"

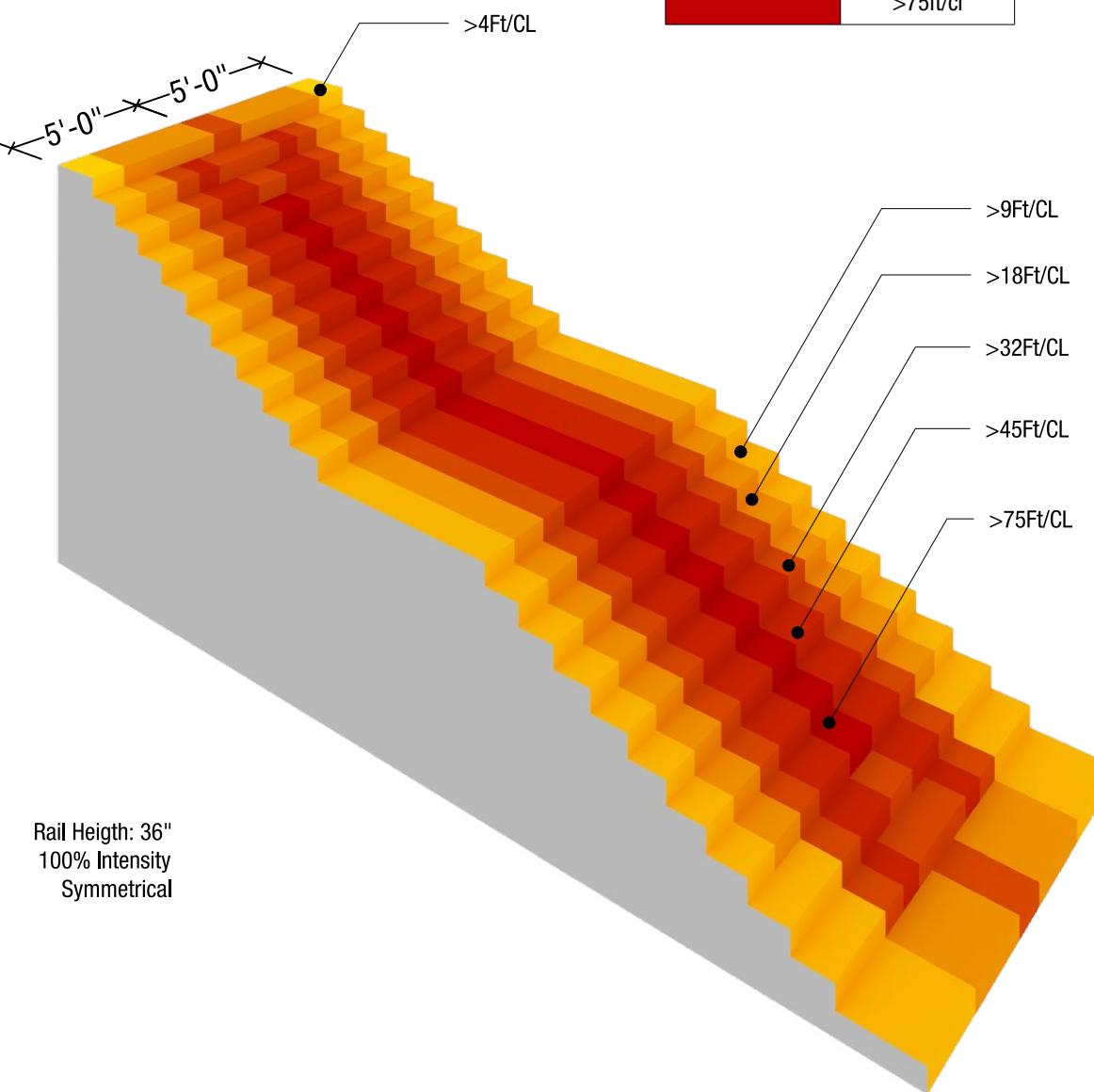
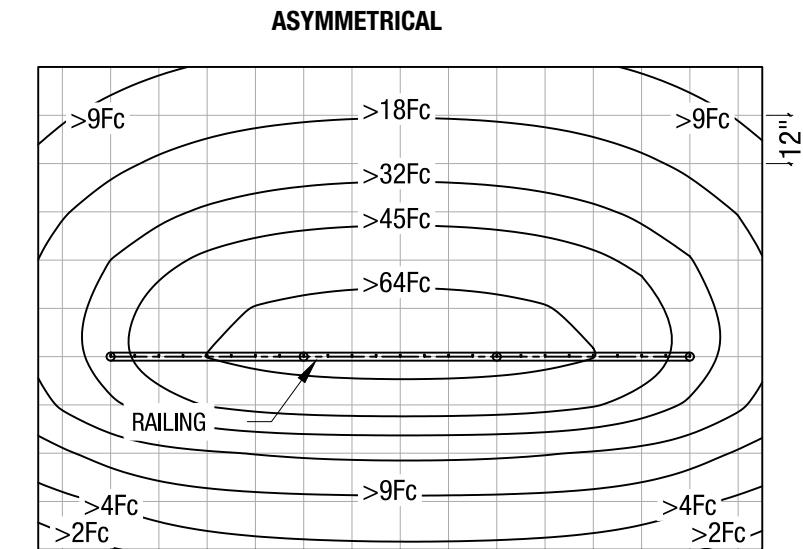
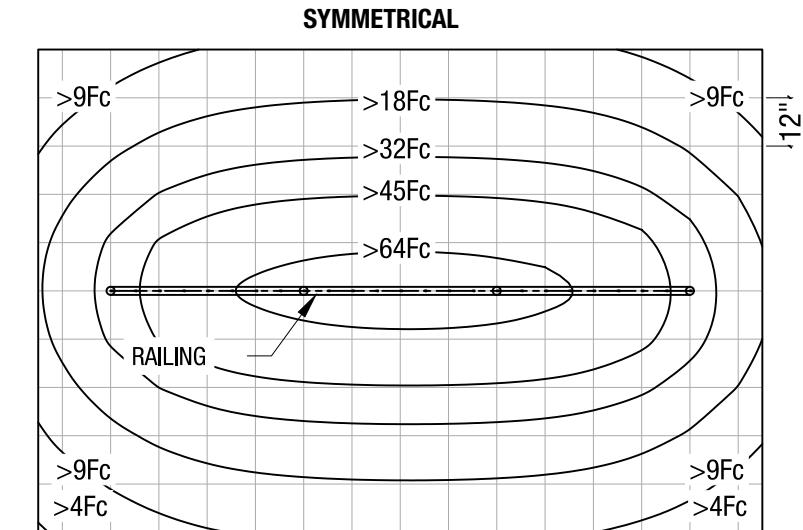
100% INTENSITY



Legend	
Color	Intensity (ft/cl)
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Rail Height: 42"

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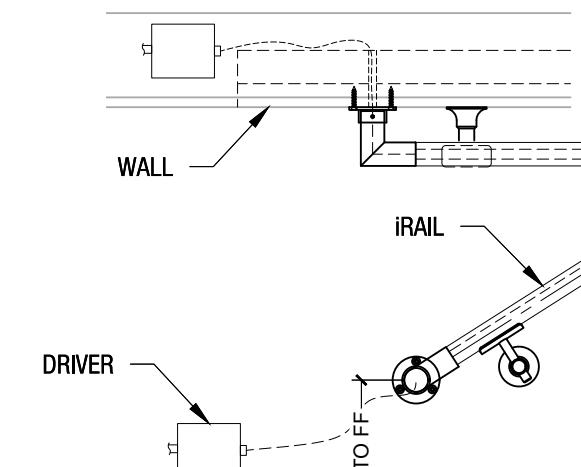
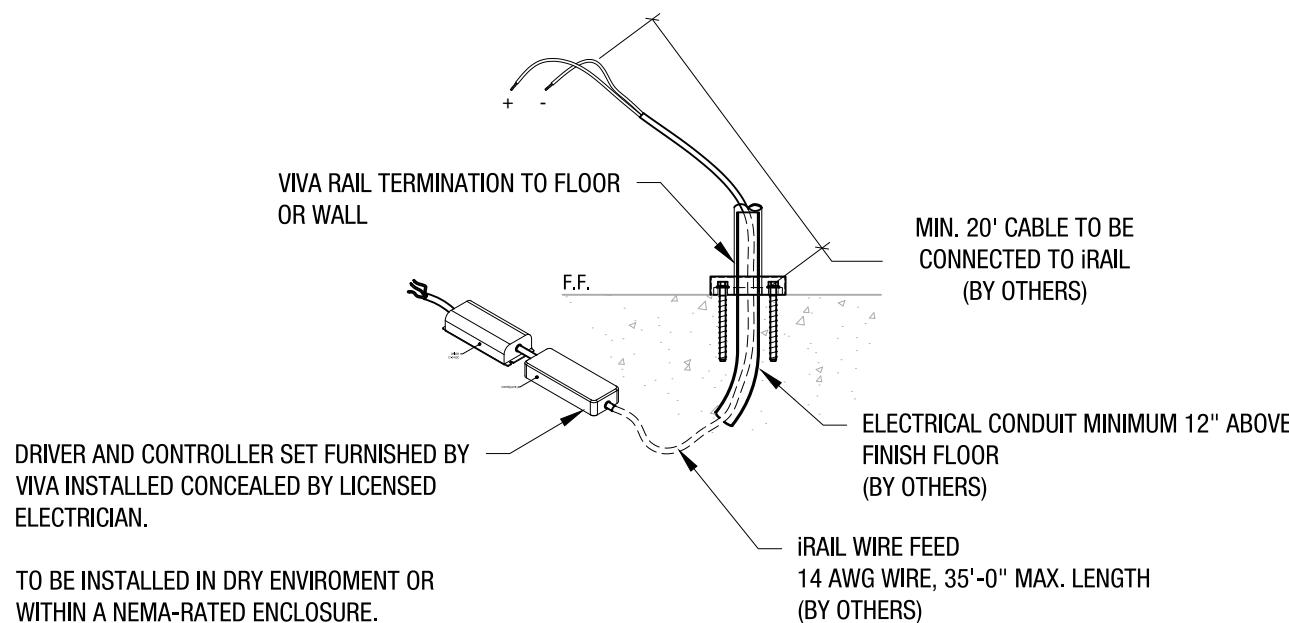


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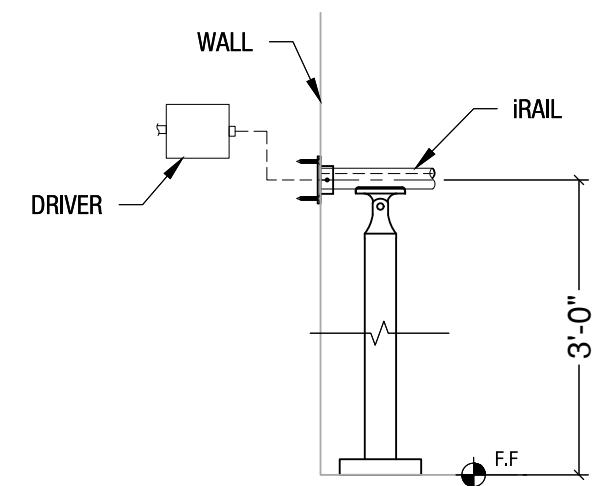
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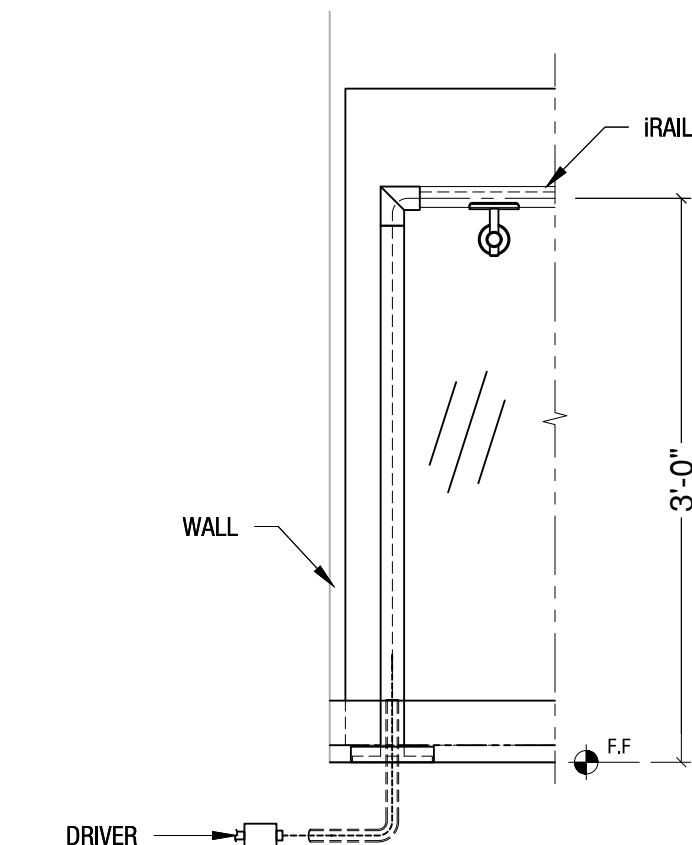
WIRE FEED OPTION



Illuminated WallRail
Detail# IR-W01



Illuminated FSR
Detail# IR-W02



Illuminated Shoe Handrail
Detail# IR-W03

*WALL OR FLOOR WIRE FEED ENTRY REQUIRED AT RAILING TERMINAL POINT. TYP.

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ORDER CODE

IR-LIN 15S4 SY

Orientation, Symmetric
Asymmetric

SY

AY

Finish Options, Ø1.5" Stainless Steel 304

15S4

Ø1.5" Stainless Steel 316

15S6

Ø2" Stainless Steel 304

20S4

Ø2" Stainless Steel 316

20S6

Ø2" Red Oak

ROK

Ø2" White Oak

WOK

Ø2" Maple

MPL

Ø2" Cherry

CHR

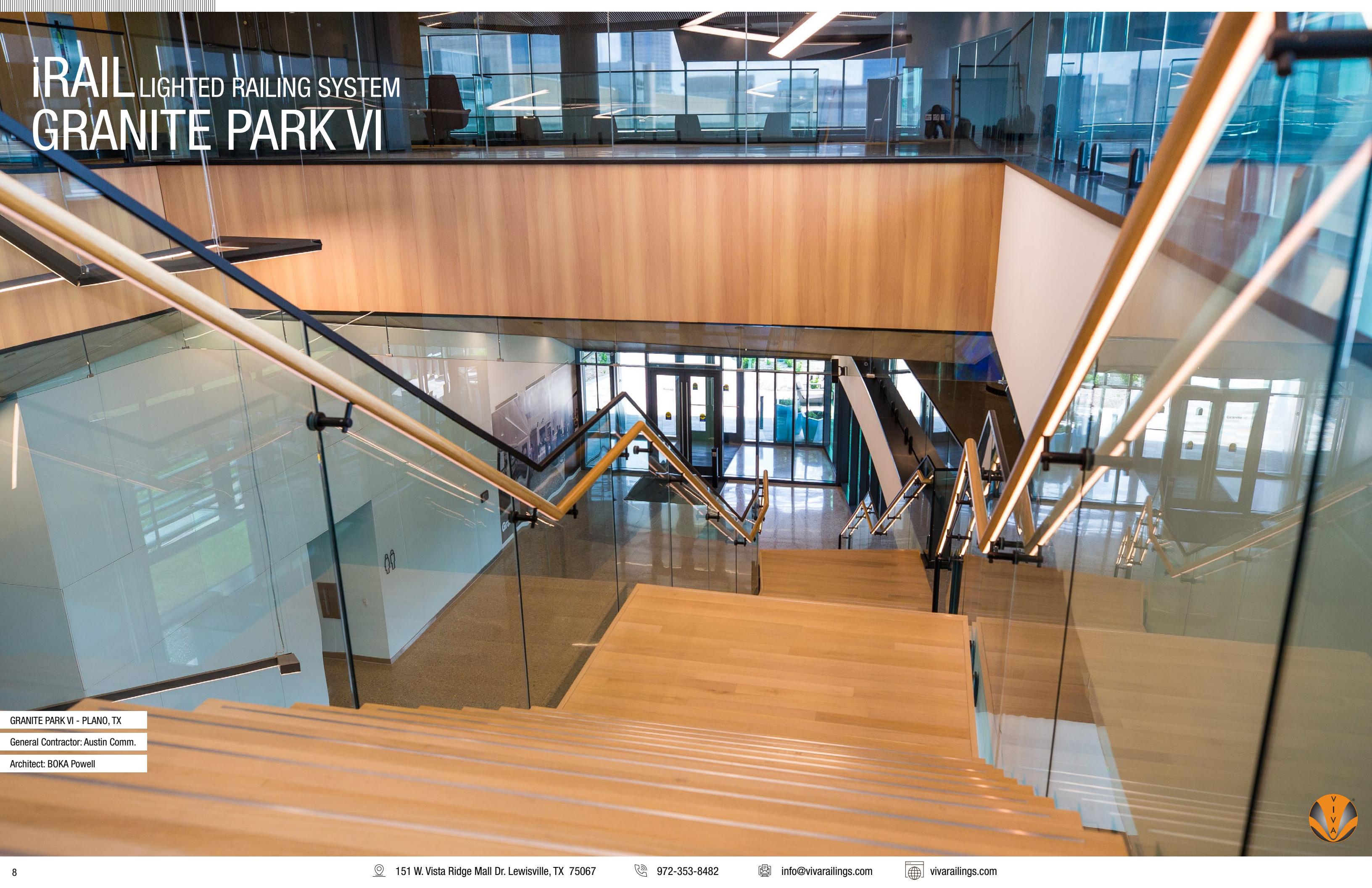
iRAIL Linear

LIN

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iRAIL LIGHTED RAILING SYSTEM GRANITE PARK VI



GRANITE PARK VI - PLANO, TX

General Contractor: Austin Comm.

Architect: BOKA Powell



iRAIL LIGHTED RAILING SYSTEM MCGRATH AMPHITHEATRE VENUE



MCGRATH AMPHITHEATRE - CEDAR RAPIDS, IA

General Contractor: Justice Electric



iRAIL LIGHTED RAILING SYSTEM CHOCTAW CASINO & RESORT

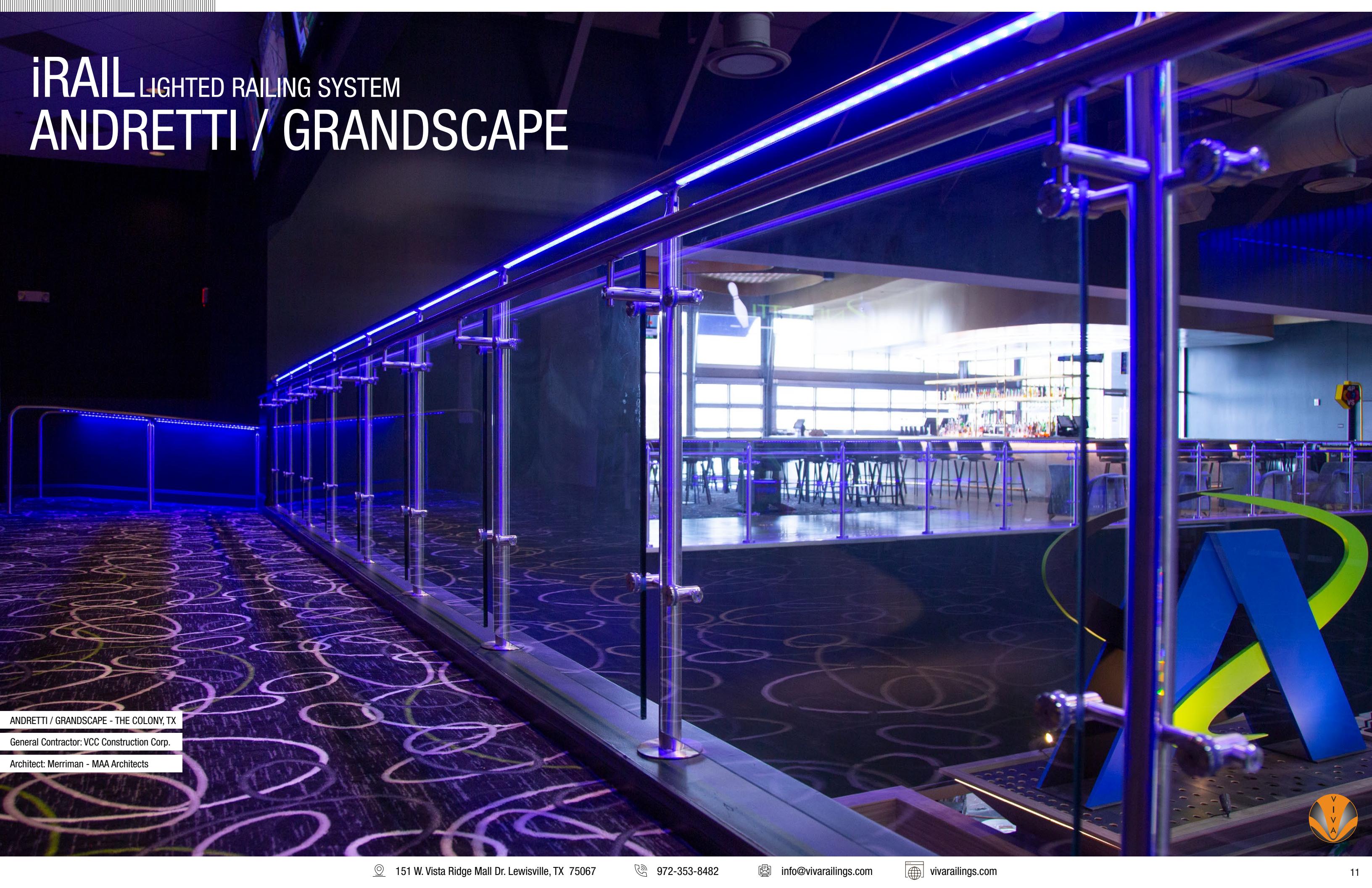
CHOCTAW CASINO & RESORT - DURANT, OK

General Contractor: TEPCO Glass

Architect: JCJ Architecture



iRAIL LIGHTED RAILING SYSTEM ANDRETTI / GRANDSCAPE



ANDRETTI / GRANDSCAPE - THE COLONY, TX

General Contractor: VCC Construction Corp.

Architect: Merriman - MAA Architects



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