Tanana Chiefs Conference

Chief Andrew Isaac Health Center Bldg. A - Materials LEDs

Solicitation

May 17, 2024

TABLE OF CONTENTS

I. Solicitation

Tanana Chiefs Conference (TCC) is soliciting bids from qualified contractors for supply and installation of LED light fixtures within the materials management space of Chief Andrew Isaac Health Care, Bldg A.

Registration/Questions: Each Proposer must register by 5:00 p.m. on Tuesday, May 28, 2024 to submit written questions and receive addenda notifications. To register, please send an email to Project Manager, Corey Richardson (corey.richardson@tananachiefs.org). Include firm name, address, telephone, email address, and name of contact person.

Minimum Contractor Qualifications: To be eligible to submit a bid for this project, Contractor is required to demonstrate they have a minimum of three years construction experience and have completed at least 1 projects of similar size and scope.

Written Questions and Addenda Publication: All questions must be submitted in writing to corey.richardson@tananachiefs.org on or before Tuesday, May 28, 2024 by 5:00 PM Alaska Time (AKT).

Bid Submission Deadline: Bids must be received by email no later than Friday, May 31, 2024, 2:00 PM (AKT), sent to corey.richardson@tananachiefs.org. Bids received after the time announced will not be considered, unless otherwise determined by TCC.

Additional bid submission details:

- Only emailed electronic bids will be accepted - recommend setting a delivery and read receipt
- Bids will not be opened publicly
- Faxed bids will not be accepted

II. Project Overview

Tanana Chiefs Conference is a non-profit Tribal Organization who provides health services, education, training, and work force development opportunities to more than 10,000 Alaska Natives located in 42 Villages throughout Interior Alaska. TCC's Chief Andrew Isaac Health Center provides health services to our beneficiaries throughout the region.

The materials management space in Bldg. A of the CAIHC campus has dated light fixtures producing less than desirable lighting of racks and workspaces within. TCC wishes to replace these fixtures in kind with more modern LED fixtures as well as add additional strip lights in select locations.

Project Team:

Owner: Tanana Chiefs Conference

Project Manager: Corey Richardson (corey.richardson@tananachiefs.org)

Designer: N/A

Project Delivery

Method: Design-Bid-Build

III. Scope of Work

Each bidder shall thoroughly examine the work area and be familiar with the contract documents. The failure or neglect of a bidder to receive or examine any contract document or any part thereof shall in no way relieve it from any obligations with respect to its Bid or to the contract. No claim for additional compensation shall be allowed which is based upon a lack of knowledge of any contract document.

The scope of work includes the following activities:

A. **Demolition:** Existing fixtures are to be removed in sections and replaced with new fixtures in a manner that provides light in the materials management space to continue operations during this project.

B. **New Construction:** Reference Appendix B for site specific drawings. Lithonia ZL1N LED fixtures are basis of design as they match fixtures in CAIHC Bldg B materials management space and provide desired illumination for the space.

C. **Inspections**
   a. A substantial completion inspection shall be performed by TCC. One-week minimum notice is to be provided prior to inspection date.

D. **Product Data and Schedule:** Within 7 days of the Notice of Intent to Award, the Contractor is responsible for providing product data intended for use on the project and communicating schedule for completion of work based on procurement of the required materials.

E. **Close-Out:** Contractor will provide O&M data as applicable to fixture and materials and provide any onsite owner training required to operate and maintain the equipment safely and effectively.

IV. Schedule

Issue Request for Bids to Contractors	May 17, 2024
Deadline for Questions (5:00 PM AKT)	May 28, 2024
Receive and Open Bids (2:00 PM AKT)	May 31, 2024
Issue Notice of Intent to Award (NOITA)	June 5, 2024
Execute Construction Contract/Notice to Proceed	June 14, 2024
Substantial Completion	July 31, 2024

All dates are approximate and contingent upon the completion of previous activities.

V. Work Considerations/Restrictions

A. **Site Access:** Work area is contained within the envelope of CAIHC Bldg. A. Access will be provided by TCC staff and temporary access control badges are available at security desk if required for afterhours.

B. **Work Hours:** Materials management space is typically open Monday – Friday 8am-5pm. Work will be allowed during normal work hours.

C. **Contractor Staging Area:** A parking spot will be provided in proximity to the work area and staging area will be designated for the contractor.

D. **Construction Debris:** Contractor will be allowed to utilize existing dumpsters. All construction debris must be removed from work area the end of every shift. Debris will not be allowed to accumulate on site. Coordinate location of dumpster with site manager.

E. **Restrooms:** Restrooms in CAIHC will be available for Contractor use.

F. **Road Closures:** Road closures are not required for this scope of work.

G. **Construction Permit(s):** Contractor will be responsible for procuring construction permit(s), including permit fees, as applicable, prior to start of construction.

H. **Inspections:** Contractor will be responsible for coordinating substantial completion and final completion inspections with the appropriate entities. A minimum of five (5) business days advance notice prior to the inspection is required.

I. **Weekly Coordination Meetings:** Not required for this scope of work.

J. **Protection:** Contractor is responsible for protecting interior furniture and shelving during execution of the work.

K. **Safety Considerations:** Contractor shall limit dust, excessive noise, and provide work isolation as needed to provide a safe work environment. Contractor shall follow all applicable OSHA requirements for this project.

L. **Warranty:** Contractor will be required to provide a one (1) year workmanship warranty. The warranty is to commence upon substantial acceptance of the work by TCC.

VI. Prevailing Wage

The Contractor is hereby notified this project falls under the provisions of the Davis-Bacon and Related Wage & Hour Requirements (DBRA). By submitting a bid, the Contractor acknowledges their understanding of these requirements for undertaking this construction project for the Owner.

Under the DBRA, covered Contractors must maintain payroll and basic records for all laborers and mechanics for the course of the work and for a period of three years thereafter. Some of the records required to be kept under the law are also required under the Fair Labor Standards Act. See Wage and Hour Division Fact Sheet #21: Recordkeeping Requirements under the Fair Labor Standards Act (FLSA).

http://www.dol.gov)/whd/regs/compliance/whdfs21.pdf

The Contractor is **not** required to submit these records to the Owner unless requested.

VII. Bid Submission Requirements

Bidders shall complete the attached Bid Form (Appendix A) signed by an agent authorized to commit the company. Each Bid shall provide the Bid Amount in figures and in words. Provide a qualifications summary sheet with the bid form to include years of experience and 1 projects including the name, scope of work and construction cost. Each bidder shall submit their bid in email with the subject line:

"BID - CAIHC Materials LEDs Solicitation".

Each Bid shall include specific acknowledgment of receipt of all addenda issued during the bidding period. Failure to do so may result in the Bid being rejected as not responsive.

Delivery Instructions: Email bids to corey.richardson@tananachiefs.org no later than the bid submission deadline stated on page 1 of this solicitation.

VIII. Bid Evaluation

The Bid Form will be used to evaluate each bidder. TCC will evaluate bids and select the lowest qualified bidder. Lowest qualified bidder is defined as lowest price bid submitted and supported with evidence they meet minimum contractor requirements.

TCC reserves the right to not award any bids, award only certain portion(s) of the scope, or award the full scope of work. The project will be awarded to one Contractor.

IX. Terms and Conditions

A. **Waiver of Minor Informalities:** TCC expressly reserves the right to waive minor informalities, negotiate changes or reject any and all proposals and to not award the proposed contract, if in its best interest. "Minor informalities" means matters of form rather than substance which are evident from the submittal or are insignificant matters that have negligible effect on price, quantity, quality, delivery or contractual conditions and can be waived or corrected without prejudice to the other Proposers.

B. **Bid Preparation:** By submitting a qualifications statement in response to this solicitation, each Bidder acknowledges that TCC shall not be liable to any person, company or representative for any costs incurred in preparation of their bid or any costs incurred in anticipation of TCC action approving or disapproving any proposed agreement.

C. **Questions:** Only questions answered by formal written addenda to the solicitation will be binding; oral and other interpretations or clarifications will be without legal effect.

D. **Bids:** TCC reserves the right to not award any Bids, award only certain segments, or award the full Bid. The Project will be awarded to one Contractor.

X. Appendices

- APPENDIX A - Bid Form
- APPENDIX B - Drawings & Supporting Documents

APPENDIX A

Bid Form

BID FORM

PROJECT:
TANANA CHIEFS CONFERENCE
Chief Andrew Isaac Health Center Bldg. A - Materials LEDs

_____
(Bidder)

_____
(Address)

_____
(City, State, Zip)

_____
(Phone)

_____
(Date)

_____
(AK Contractor License No.))

1) Pursuant to your notice to bidders inviting proposals for the construction described in the contract documents, of which this proposal is a part, the undersigned bidder hereby certifies and represents that it has examined and thoroughly understands the contract documents including the following: (If no addenda have been received, state "none").

Addenda No.	Date
_____	_____
_____	_____
_____	_____

2) The undersigned bidder, having made such examinations and reached such understandings:

(a) Accepts the obligations of a bidder incurred by submitting this proposal, and
(b) Proposes to furnish insurance certificate or insurance policies, lump sum bid breakdown and to execute the contract as set forth in the TCC Selected Contractor Agreement between the Owner and Contractor.

3) BID

In strict accordance with the contract requirements and existing conditions for the consideration of the following amount(s):

A. BID: Base Bid (Lump Sum)

All work associated with the project work including all materials, equipment and labor as described in the Request for Bids/Construction Documents.

Location	Unit Cost
Remove, Replace and Supplement Existing Fixtures with LEDs	

_____ ($_____)

Total Cost (Words) Figure

The party by whom this proposal is submitted and by whom the contract will be entered into, if this proposal is accepted is a(n)_____, doing business at:

(Individual, Partnership or Corporation)

The listed address above, to which address notice of acceptance of proposal and all other written notices may be mailed or delivered until further written notice is given by the Tanana Chiefs Conference.

_____

Legal Name of Bidding Organization

By: _____

Date: _____

Contractor Minimum Requirements

[a] Contractor is required to demonstrate they have a minimum of three years construction.

CONTRACTOR INPUT:

[b] Contractor is required to demonstrate they have completed at least 1 projects of similar size and scope.

CONTRACTOR INPUT:

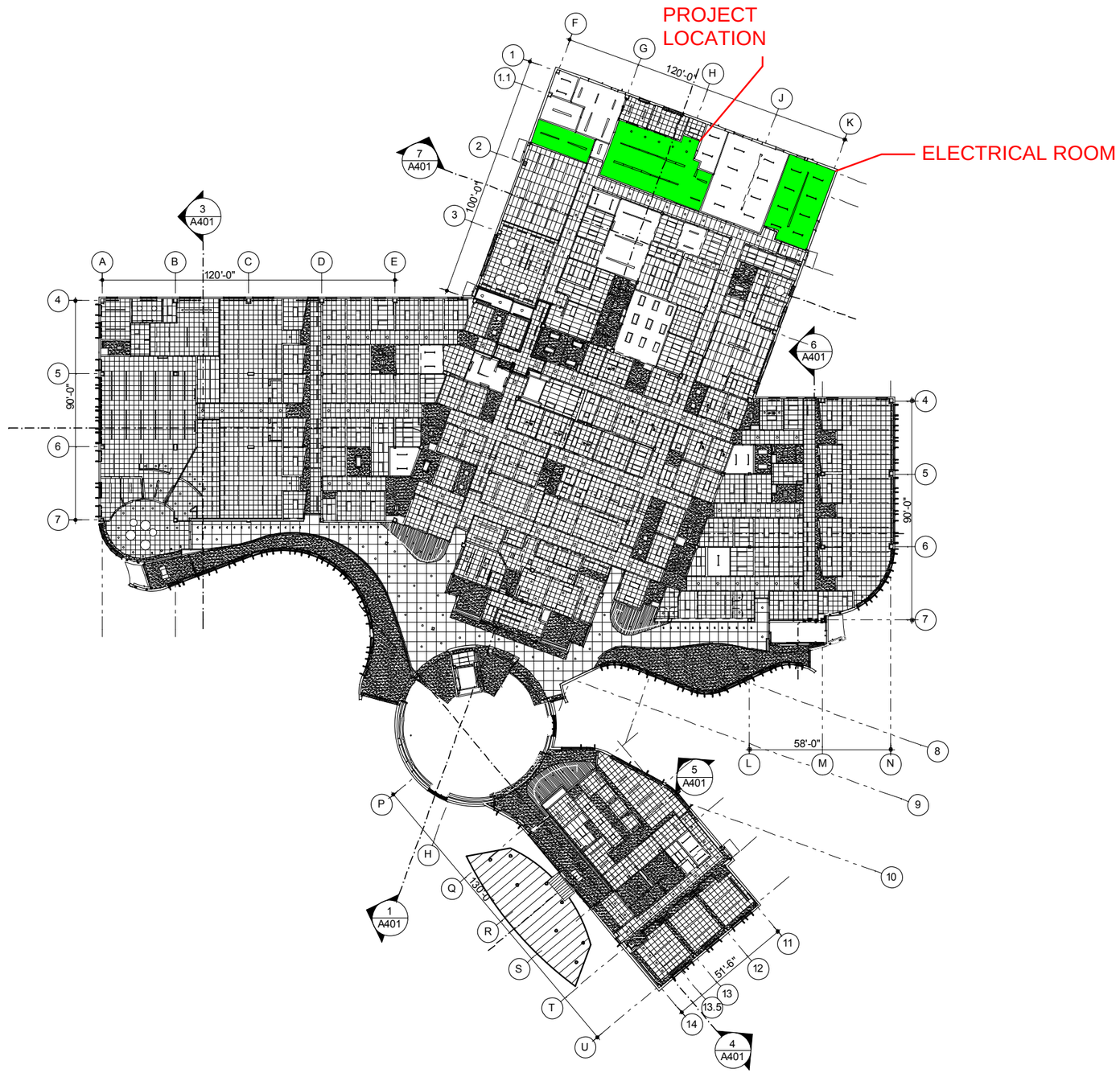
[c] Contractor may provide additional information, attachments, resumes, etc. to support qualification to perform scope of work.

CONTRACTOR INPUT:

APPENDIX B

Drawings & Supporting Documents

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES 1" ACTUAL



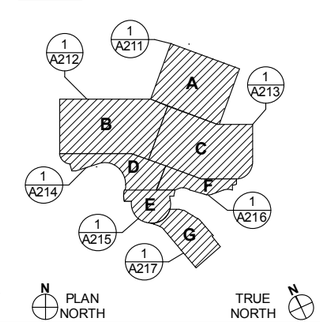
TCC REFLECTED CEILING NOTES

1. SEE ELECTRICAL FOR EXTERIOR LIGHTING
2. CENTER SPRINKLER HEAD IN CEILING PANELS UNLESS OTHERWISE SHOWN IN ARCHITECTURAL DRAWINGS

BNAP STANDARD CEILING NOTES

1. COORDINATE DIFFUSERS, SPRINKLERS & RETURN AIR SLOTS WITH MECHANICAL DRAWINGS
2. COORDINATE SMOKE DETECTOR INSTALLATION & LOCATIONS WITH ELECTRICAL DRAWINGS
3. SEE ELECTRICAL AND MECHANICAL DRAWINGS FOR ADDITIONAL CEILING MOUNTED ITEMS
4. SEE MECHANICAL AND ELECTRICAL FOR REQURIED LOCATION OF CEILING ACCESS PANELS SPECIFIC TO MECHANICAL AND ELECTRICAL COMPONETS
5. SEE ROOM FINISH SCHEDULE FOR CEILING FINISHES
6. SEE ROOM FINISH SCHEDULE FOR FINISH OF EXPOSED STRUCTURE AT OTS AREAS

KEY PLAN FIRST FLOOR CEILING



1 A201 FIRST FLOOR REFLECTED CEILING PLAN - OVERALL

SCALE: 1:300

PRIME CONSULTANT AND PROJECT MANAGER
BETTISWORTH NORTH ARCHITECTS AND PLANNERS
WITH DESIGN ARCHITECT nbbj
223 YALE AVENUE NORTH SEATTLE, WASHINGTON 98109 PHONE 206 223 5555 FAX 206 223 5500
2600 DENALI STREET SUITE 710 ANCHORAGE, ALASKA 99503 (907) 561-5780
212 FRONT ST. FAIRBANKS, ALASKA 99701 (907) 456-5780
WWW.BETTISWORTHNORTH.COM

STATE OF ALASKA 49TH LARRY KOLLMEYER NO. A-10302 REGISTERED PROFESSIONAL ARCHITECT 11/21/2011

TANANA CHIEFS CONFERENCE - IHS #413
TCC CHIEF ANDREW ISAAC HEALTH CENTER

TASK 3 - ARCHITECTURAL / INTERIORS / M / E / P DESIGN
CONFORMED DOCUMENTS

FAIRBANKS, ALASKA

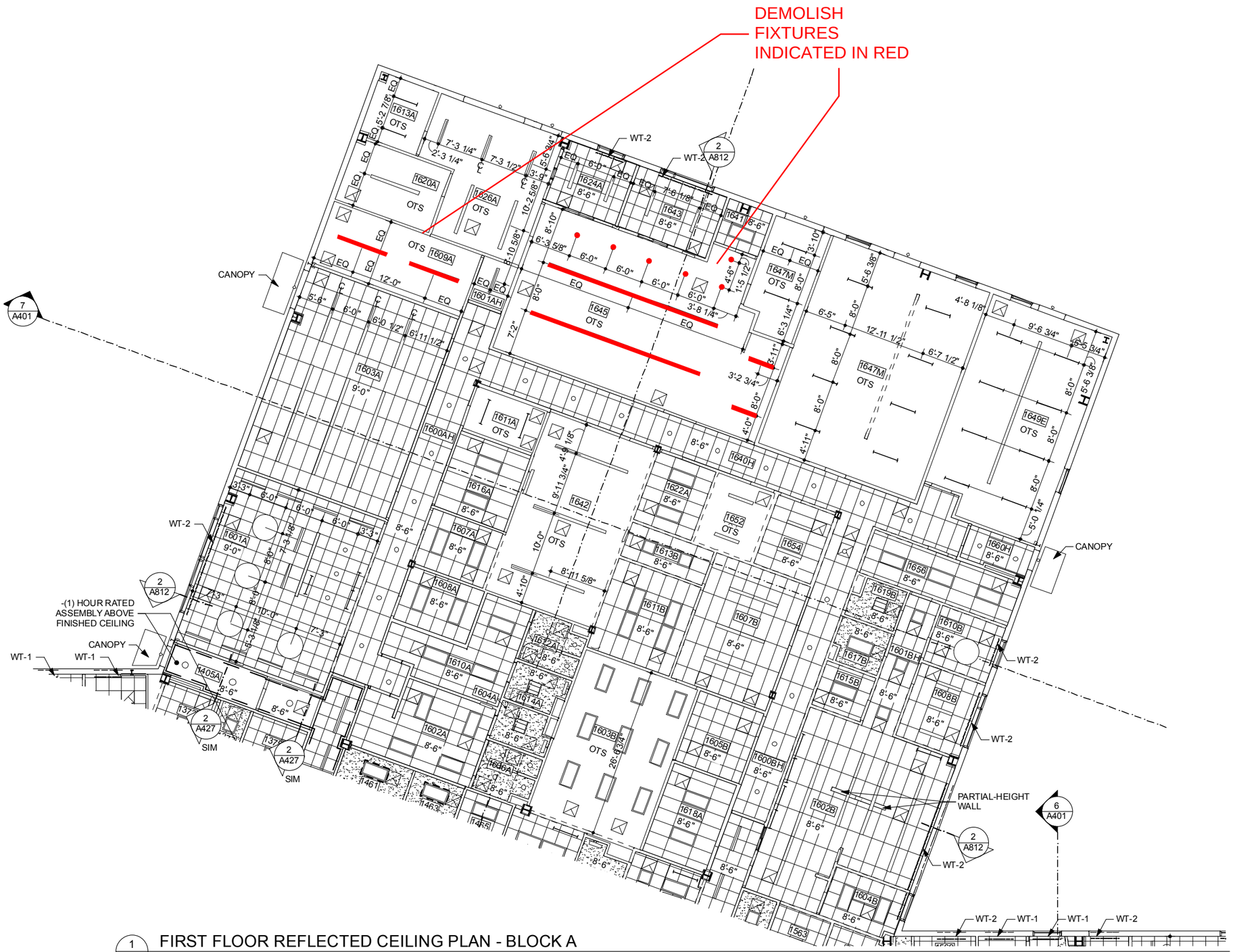
CONSULTANT

PROJECT NO:	10-119
DATE:	18 NOV 2011
DRAWN BY:	CK,PL,TR,TS
CHK'D BY:	LK, TV
REVISIONS:	--

FIRST FLOOR REFLECTED CEILING PLAN - OVERALL

A201 T3

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES 1" ACTUAL



1 A211 FIRST FLOOR REFLECTED CEILING PLAN - BLOCK A

SCALE: 1/8" = 1'-0"

TCC REFLECTED CEILING NOTES

1. SEE ELECTRICAL FOR EXTERIOR LIGHTING
2. CENTER SPRINKLER HEAD IN CEILING PANELS UNLESS OTHERWISE SHOWN IN ARCHITECTURAL DRAWINGS

BNAP STANDARD CEILING NOTES

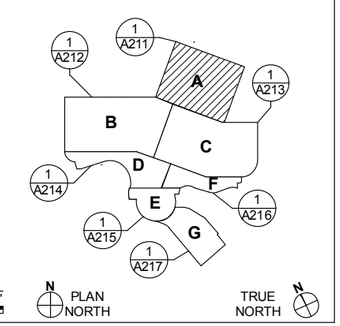
1. COORDINATE DIFFUSERS, SPRINKLERS & RETURN AIR SLOTS WITH MECHANICAL DRAWINGS
2. COORDINATE SMOKE DETECTOR INSTALLATION & LOCATIONS WITH ELECTRICAL DRAWINGS
3. SEE ELECTRICAL AND MECHANICAL DRAWINGS FOR ADDITIONAL CEILING MOUNTED ITEMS
4. SEE MECHANICAL AND ELECTRICAL FOR REQURIED LOCATION OF CEILING ACCESS PANELS SPECIFIC TO MECHANICAL AND ELECTRICAL COMPONETS
5. SEE ROOM FINISH SCHEDULE FOR CEILING FINISHES
6. SEE ROOM FINISH SCHEDULE FOR FINISH OF EXPOSED STRUCTURE AT OTS AREAS
7. CENTER LIGHTING FIXTURES IN TILES UON

REFLECTED CEILING LEGEND

LEGEND MAY INCLUDE ITEMS NOT IN PROJECT

- GYPSUM BOARD
- ACT (2X2)
- ACT (2X4)
- MECHANICAL GRILLE
- OTS — OPEN TO STRUCTURE
- SURFACE MOUNTED FIXTURE
- RECESSED FIXTURE
- PROVIDE ACOUSTICAL COVER ABOVE FIXTURE
- WALL MOUNTED FIXTURE
- SURFACE MOUNTED STRIP FIXTURE
- SURFACE MOUNTED FIXTURE
- RECESSED FIXTURE
- WALL MOUNTED FIXTURE
- TRACK LIGHTING

KEY PLAN FIRST FLOOR CEILING



PRIME CONSULTANT AND PROJECT MANAGER
BETTISWORTH NORTH ARCHITECTS AND PLANNERS
2600 DENALI STREET SUITE 710 ANCHORAGE, ALASKA 99503 (907) 561-5780
212 FRONT ST. FAIRBANKS, ALASKA 99701 (907) 456-5780
WWW.BETTISWORTHNORTH.COM

WITH DESIGN ARCHITECT
nbbj
223 YALE AVENUE NORTH
SEATTLE, WASHINGTON 98109
PHONE 206 223 5555
FAX 206 223 5500

STATE OF ALASKA 49TH
REGISTERED PROFESSIONAL ARCHITECT
LARRY K. ULLMEYER
NO. A-10302
11/21/2011

TANANA CHIEFS CONFERENCE - IHS #413
TCC CHIEF ANDREW ISAAC HEALTH CENTER

TASK 3 - ARCHITECTURAL / INTERIORS / M / E / P DESIGN
CONFORMED DOCUMENTS

FAIRBANKS, ALASKA

CONSULTANT

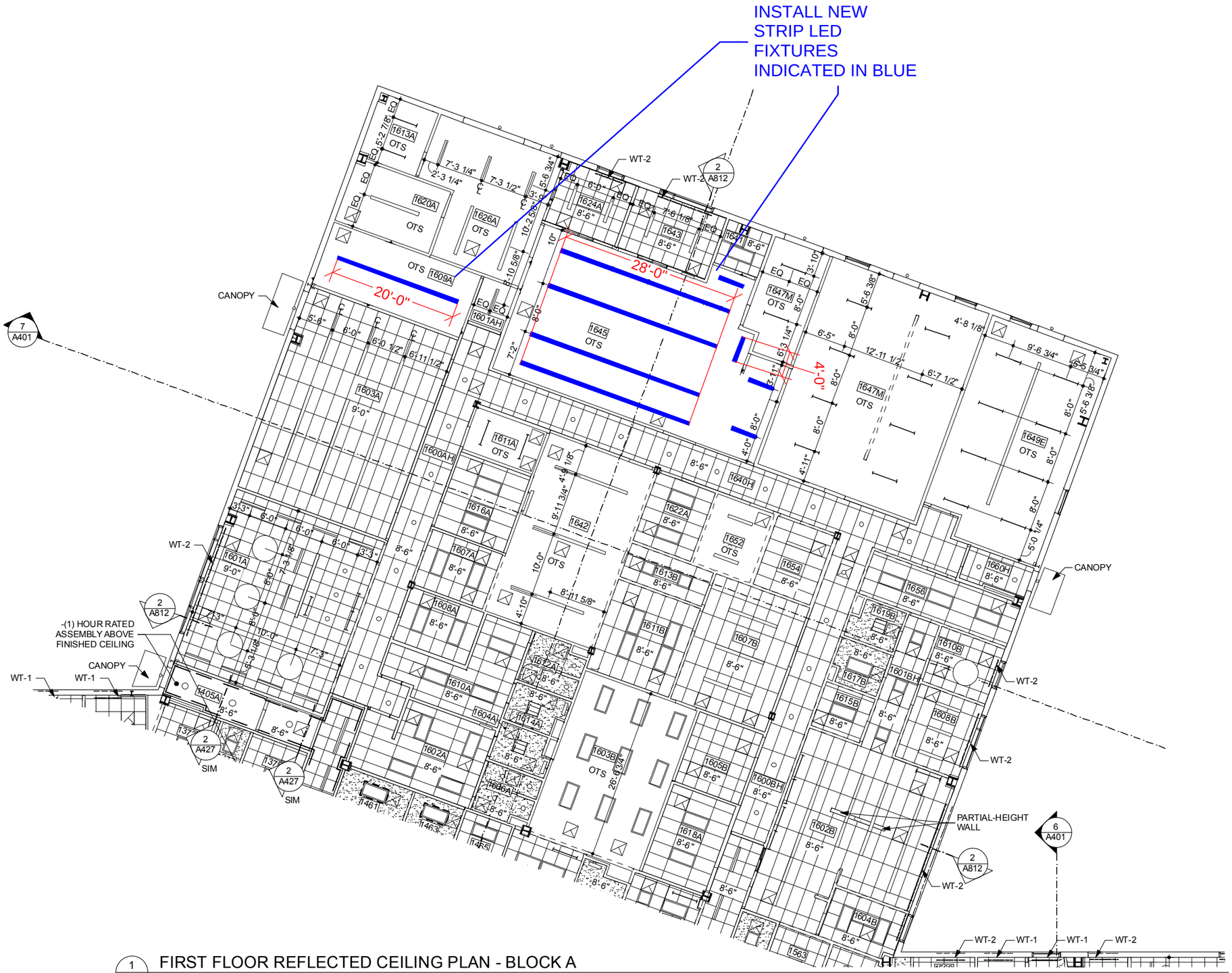
PROJECT NO:	10-119
DATE:	18 NOV 2011
DRAWN BY:	CK,PL,TR,TS
CHK'D BY:	LK, TV
REVISIONS:	--

FIRST FLOOR REFLECTED CEILING PLAN - BLOCK A

A211 T3

IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES

1" ACTUAL



FIRST FLOOR REFLECTED CEILING PLAN - BLOCK A

1 / A211

SCALE: 1/8" = 1'-0"

0 4' 8' 16'

TCC REFLECTED CEILING NOTES

1. SEE ELECTRICAL FOR EXTERIOR LIGHTING
2. CENTER SPRINKLER HEAD IN CEILING PANELS UNLESS OTHERWISE SHOWN IN ARCHITECTURAL DRAWINGS

BNAP STANDARD CEILING NOTES

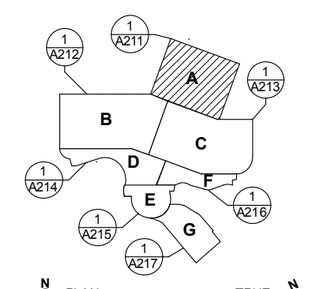
1. COORDINATE DIFFUSERS, SPRINKLERS & RETURN AIR SLOTS WITH MECHANICAL DRAWINGS
2. COORDINATE SMOKE DETECTOR INSTALLATION & LOCATIONS WITH ELECTRICAL DRAWINGS
3. SEE ELECTRICAL AND MECHANICAL DRAWINGS FOR ADDITIONAL CEILING MOUNTED ITEMS
4. SEE MECHANICAL AND ELECTRICAL FOR REQURIED LOCATION OF CEILING ACCESS PANELS SPECIFIC TO MECHANICAL AND ELECTRICAL COMPONETS
5. SEE ROOM FINISH SCHEDULE FOR CEILING FINISHES
6. SEE ROOM FINISH SCHEDULE FOR FINISH OF EXPOSED STRUCTURE AT OTS AREAS
7. CENTER LIGHTING FIXTURES IN TILES UON

REFLECTED CEILING LEGEND

LEGEND MAY INCLUDE ITEMS NOT IN PROJECT

- GYPSUM BOARD
- ACT (2X2)
- ACT (2X4)
- MECHANICAL GRILLE
- OTS — OPEN TO STRUCTURE
- SURFACE MOUNTED FIXTURE
- RECESSED FIXTURE
- PROVIDE ACOUSTICAL COVER ABOVE FIXTURE
- WALL MOUNTED FIXTURE
- SURFACE MOUNTED STRIP FIXTURE
- SURFACE MOUNTED FIXTURE
- RECESSED FIXTURE
- WALL MOUNTED FIXTURE
- TRACK LIGHTING

KEY PLAN FIRST FLOOR CEILING



PRIME CONSULTANT AND PROJECT MANAGER
BETTISWORTH NORTH ARCHITECTS AND PLANNERS
2600 DENALI STREET SUITE 710 ANCHORAGE, ALASKA 99503 (907) 561-5780
212 FRONT ST. FAIRBANKS, ALASKA 99701 (907) 456-5780
WWW.BETTISWORTHNORTH.COM

WITH DESIGN ARCHITECT
nbbj
223 YALE AVENUE NORTH
SEATTLE, WASHINGTON 98109
PHONE 206 223 5555
FAX 206 223 5500

STATE OF ALASKA 49TH
LARRY KOLLMEYER NO. A-10302
REGISTERED PROFESSIONAL ARCHITECT
11/21/2011

TANANA CHIEFS CONFERENCE - IHS #413
TCC CHIEF ANDREW ISAAC HEALTH CENTER

TASK 3 - ARCHITECTURAL / INTERIORS / M / E / P DESIGN
CONFORMED DOCUMENTS

FAIRBANKS, ALASKA

CONSULTANT

PROJECT NO:	10-119
DATE:	18 NOV 2011
DRAWN BY:	CK,PL,TR,TS
CHK'D BY:	LK, TV
REVISIONS:	--

FIRST FLOOR REFLECTED CEILING PLAN - BLOCK A

A211 T3

LITHONIA LIGHTING®

Catalog Number
Notes
Type

FEATURES & SPECIFICATIONS

INTENDED USE — Built on the compact, low-profile Z strip channel, this LED strip offers long maintenance-free life, several color temperatures, lumen outputs and lengths. Ideal for new construction and retrofit applications in T5 and T8 lengths. Ideal for uplight and downlight in commercial, retail, manufacturing, warehouse, cove and display applications. **Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate.** **Click here for Acrylic-Polycarbonate Compatibility table for suitable uses.**

CONSTRUCTION — Compact-design channel and cover are formed from code-gauge cold-rolled steel. Easy to install row aligner included for continuous row mounting.

Finish: Paint options include high-gloss, baked white enamel (WH), galvanized (GALV), matte black (MB) and smoke gray (SKGY). After fabrication, five-stage iron phosphate pre-treatment ensures superior paint adhesion and rust resistance.

OPTICS — Standard diffuse snap on/snap off lens eliminates pixels, improves uniformity and minimizes glare. L/LENS option available.

ELECTRICAL — L70>60,000hours. Utilizes high-output LEDs integrated on a two-layer circuit board, ensuring cool-running operation. Optional internal pluggable wiring harness for reduced labor cost in row mounting applications. (See PLR_ ordering information on page 3.) Electronic LED driver is rated for 75 input watts maximum (see Operational Data on page two for actual wattage consumption), **multi-volt input and 0-10V dimming standard**. This fixture is designed to withstand a maximum line surge of 2.5kV at 0.75kA combination wave for indoor locations, for applications requiring higher level of protection additional surge protection must be provided.

LEDs provide nominal 80 CRI at 3000 K, 3500 K,4000 K, or 5000 K.

Lumen output up to 2,000 lumens per foot. In 86°F (30°C) ambient environments. Luminaire should be installed in applications where ambient temperatures do not exceed 86°F (30°C).

INSTALLATION — Tool-less channel cover for easy installation.

Fixture may be surface mounted (with or without ZSPRG hanger), pendant or stem mounted with appropriate mounting options. Three-point aligner locks in place for easy continuous row mounting.

LISTINGS — CSA certified to US and Canadian safety standards. For use in damp locations between -40°F (-40°C) and 86°F (30°C).

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org to confirm which versions are qualified.

WARRANTY — 5-year limited warranty. Complete warranty terms located at:
www.acuitybrands.com/support/customer-support/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.

FIXTURE TO BE USED AS BASIS OF DESIGN, ALTERNATES ACCEPTABLE WITH SUPPORTING PRODUCT DATA

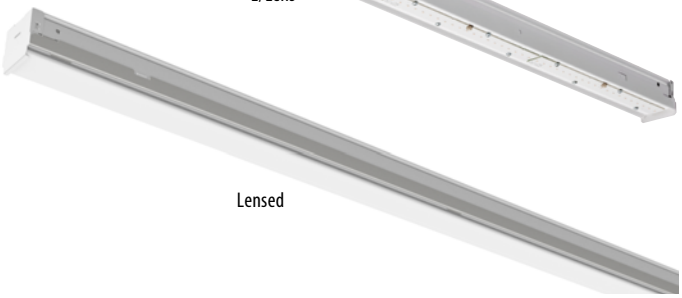
Z SERIES

LED Striplight

ZL1N

24", 48" and 96" Lengths

L/Lens



Lensed

A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® or XPoint™ Wireless control networks marked by a shaded background*

To learn more about A+, visit www.acuitybrands.com/aplus.

*See ordering tree for details

A+ Capable options indicated by this color background.

ORDERING INFORMATION Lead times will vary depending on options selected. Consult with your sales representative.

Example: ZL1N L48 3000LM FST MVOLT 40K 80CRI WH

Series	Length	Reflectors[3]	Nominal lumens[4]	Diffuser	Voltage
ZL1N LED striplight	L24 24"[2]	(blank) Less reflector SMR Symmetric	1500LM 1,500 lumens 2500LM 2,500 lumens 3500LM 3,500 lumens	FST Snap on frosted, diffuse L/LENS No diffuser SBL FST Straight blade louver with snap on frosted, diffuse	MVOLT 120-277V 120 120V 208 208V 240 240V 277 277V 347 347V[5] 480 480V[5]
	L46 46" L48 48"	(blank) Less reflector ASR Asymmetric (L48 only) SMR Symmetric	3000LM 3,000 lumens 5000LM 5,000 lumens 7000LM 7,000 lumens		
TZL1N LED striplight[1]	L92 92" L96 96"	(blank) Less reflector SMR Symmetric	6000LM 6,000 lumens 10000LM 10,000 lumens 14000LM 14,000 lumens		

Color temperature	Color rendering index	Options			Paint finish
30K 3000 K 35K 3500 K 40K 4000 K 50K 5000 K	80CRI 80 CRI 90CRI 90 CRI	PLR__ Plug-in wiring[6,7] PLR1LVG Plug-in wiring-low voltage[6,7] E7W Emergency battery pack, 7W CA Title 20 Noncompliant[8] 2E7W Two Emergency battery packs, 7W CA Title 20 Noncompliant[8,9] E10WLCP Emergency battery pack, 10W Linear Constant Power, Certified in CA Title 20 MAEDBS[8] 2E10WLCP Two Emergency battery packs, 10W Linear Constant Power, Certified in CA Title 20 MAEDBS[8,9] E15WLCP Emergency battery pack, 15W Linear Constant Power, Certified in CA Title 20 MAEDBS[8,9] OUTEND Cord set to exit endplate of fixture **Wireless Controls**[6] NLTAIR2 RLSXR10 nLight Air Generation 2 Fixture mount, LSXR sensor low mount 360° NLTAIR2 RLSXR10EM nLight Air Generation 2 Fixture mount, LSXR sensor low mount 360°, UL924 Emergency operation[10]	**Individual Controls**[6] LBOZU 360° low mount motion sensor, pre-wired[11] LBHOSZU 360° low mount motion sensor with dimming, pre-wired[11] LBPZU 360° low mount motion sensor with photocell, pre-wired[11] LBMOSZU 360° low mount motion sensor, dimming & switching photocell, pre-wired[11] **Cord sets:**[12] CS1W Straight plug, 120V CS3W Twist-lock, 120V CS7W Straight plug, 277V CS11W Twist-lock, 277V CS25W Twist-lock, 347V CS97W Twist-lock, 480V CS93W 600V SEOOW white cord, no plug (no voltage required)	WH White GALV Galvanized MB Matte black SKGY Smoke gray

Accessories: *Order as separate catalog number.*

HC36	Hanger chain, 36"	ZLR L24 SYM WH	24" symmetric reflector, white finish
ZACVH	Aircraft cable 10' (one pair)	ZLR L46 SYM UPL WH	46" symmetric reflector with uplight, white finish
ZLANGBKT	Luma-tilt™ angle bracket for shelf or ledge mounting only	ZLR L46 SYM WH	46" symmetric reflector, white finish
SQ_	Stem kit, 2" increments up to 48"	ZLR L48 ASY WH	48" asymmetric reflector, white finish
NPP16D	nLight® switching/dimming module	ZLR L48 SYM UPL WH	48" symmetric reflector with uplight, white finish
rPP20D	nLight® Air switching/dimming module	ZLR L48 SYM WH	48" symmetric reflector, white finish
LSXR	Sensor Switch® LSXR occupancy sensor[5]	ZLR L92 SYM UPL WH	92" symmetric reflector with uplight, white finish
ZSPRG	For 15/16" T-grid only	ZLR L92 SYM WH	92" symmetric reflector, white finish
WGZ24	24" wireguard, white[13]	ZLR L96 SYM UPL WH	96" symmetric reflector with uplight, white finish
WGZ48	48" wireguard, white[13,14]	ZLR L96 SYM WH	96" symmetric reflector, white finish
ZLR L24 SYM UPL WH	24" symmetric reflector with uplight, white finish	UNIVERSAL REFL ALIGNER	Universal reflector aligners, quantity 1

Notes

1. Tandem fixture comes as two L46 or L48 fixtures
2. Not available with 347V, 480V or Batteries
3. Optional. Reflectors ship separately.
4. See Operational Data on page 2 for actual lumens.
5. Utilizes step down transformer.
6. See ordering information on pages 4 and 5 and rLSXR specification sheet for more configurations. When choosing Sensor and PLR for same fixture, consult the factory.
7. Not available with cord sets.
8. MVOLT only. Not available with cord sets with plugs. Battery Spec sheet linked for more information.
9. Only available with 10,000LM and 14,000LM packages.
10. MVOLT only.
11. Available with MVOLT, 347V and 480V only. This sensor configuration is suitable for minimum ambient temperature of 14°F (-10°C). See page 6 for low temperature option providing -4°F (-20°C) minimum ambient Sensors come prewired, they must be snapped into place at time of installation.
12. Cordsets exit back of fixture unless OUTEND option is specified. Must specify voltage (not required when ordering CS93W).
13. Not compatible with reflector
14. Order 2 for tandem double length fixtures (TZL1N).

OPERATIONAL DATA

	Nominal lumen package	Length (inches)	Delivered Lumens 3000 K CCT @ 77°F (25°C) ambient temperature		Delivered Lumens 3500 K CCT @ 77°F (25°C) ambient temperature		Delivered Lumens 4000 K CCT @ 77°F (25°C) ambient temperature		Delivered Lumens 5000 K CCT @ 77°F (25°C) ambient temperature		Wattage @ 120V/277V	Comparable Light Source
			80 CRI	90 CRI	80 CRI	90 CRI	80 CRI	90 CRI	80 CRI	90 CRI		
Lensed	1500LM	24	1738	1409	1777	1467	1804	1494	1871	1528	15	1-lamp 17W T8
	2500LM	24	2265	1846	2315	1900	2351	1947	2438	1991	19	1-lamp 17W T8
	3500LM	24	3586	2924	3666	3026	3723	3084	3860	3152	31	1-lamp 32W T8, 1-lamp 54W T5H0, 50W HID
	3000LM	46 or 48	3172	2586	3243	2677	3293	2728	3415	2788	25	1-lamp 32W T8, 1-lamp 54W T5H0, 50W HID
	5000LM	46 or 48	4417	3601	4515	3727	4585	3798	4754	3882	34	2-lamp 32W T8, 1-lamp 54W T5H0, 70W HID
	7000LM	46 or 48	6535	5328	6681	5515	6785	5619	7035	5744	52	3-lamp 32W T8, 2-lamp 54W T5H0, 100W HID
	6000LM	92 or 96	6561	5349	6708	5537	6812	5642	7063	5767	48	3-lamp 32W T8, 2-lamp 54W T5H0, 100W HID
	10000LM	92 or 96	8687	7082	8881	7331	9019	7470	9351	7636	68	4-lamp 32W T8, 2-lamp 54W T5H0, 100W HID
	14000LM	92 or 96	12457	10513	12735	10665	12933	10711	13409	10949	104	4-lamp 32W T8, 3-lamp 54W T5H0, 150W HID
Unlensed	1500LM	24	1881	1534	1923	1588	1953	1618	2025	1654	15	1-lamp 17W T8
	2500LM	24	2452	1999	2506	2069	2545	2108	2639	2155	19	1-lamp 17W T8
	3500LM	24	3882	3165	3969	3276	4031	3338	4179	3412	31	1-lamp 32W T8, 1-lamp 54W T5H0, 50W HID
	3000LM	46 or 48	3434	2800	3511	2898	3565	2953	3697	3019	25	1-lamp 32W T8, 1-lamp 54W T5H0, 50W HID
	5000LM	46 or 48	4781	3898	4888	4035	4964	4111	5147	4203	34	2-lamp 32W T8, 1-lamp 54W T5H0, 70W HID
	7000LM	46 or 48	7075	5768	7233	5971	7345	6083	7616	6219	52	3-lamp 32W T8, 2-lamp 54W T5H0, 100W HID
	6000LM	92 or 96	7103	5791	7261	5995	7374	6108	7646	6243	48	3-lamp 32W T8, 2-lamp 54W T5H0, 100W HID
	10000LM	92 or 96	9404	7667	9614	7937	9764	8087	10123	8266	68	4-lamp 32W T8, 2-lamp 54W T5H0, 100W HID
	14000LM	92 or 96	13485	10994	13786	11381	14001	11596	14516	11853	104	4-lamp 32W T8, 3-lamp 54W T5H0, 150W HID

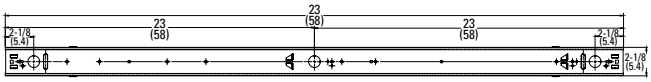
DIMENSIONS

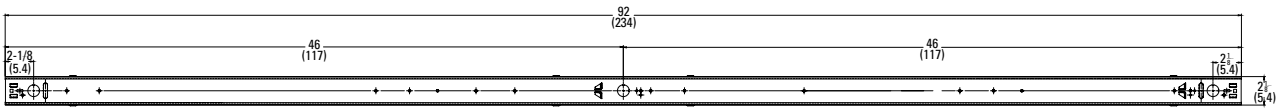
All dimensions are shown in inches (centimeters) unless otherwise noted.

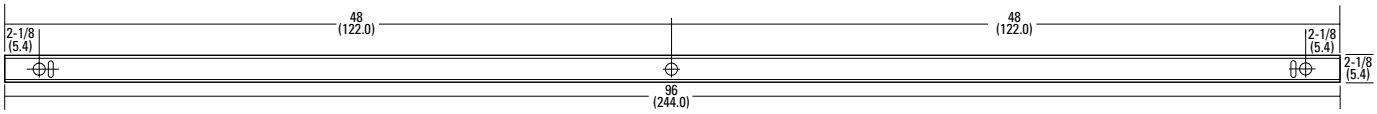
Specifications subject to change without notice.

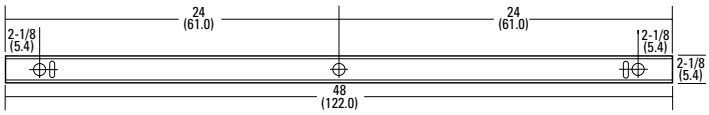
PALLET DIMENSIONS

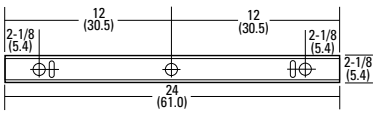
Length	Approximate weight	Fixtures per pallet	Approximate pallet dimensions (L x W x H)
L24	7 lbs.	408	46" X 51" X 32 11/16"
L46	11 lbs.	176	46" X 51" X 32 1/16"
L48	12 lbs.	176	46" X 51" X 31 3/8"
L92	22 lbs.	176	46" X 98 1/2" X 31 1/16"
L96	24 lbs.	176	46" X 98 1/2" X 31 1/16"



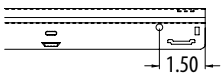




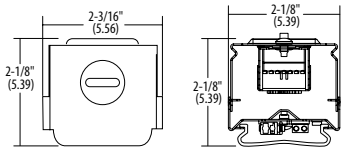




Mounting Hole Location - All Lengths



Knockout hole is .86in in diameter.

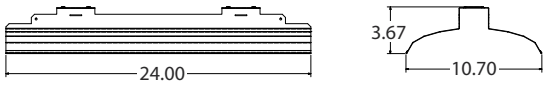


PHOTOMETRICS

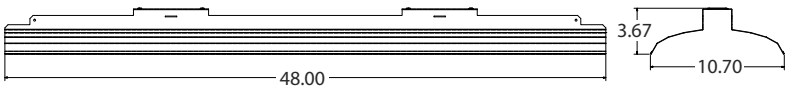
Please see www.lithonia.com

REFLECTORS (Optional)

L24 Reflector



L48 Reflector



L96 Reflector

PHOTOMETRICS

Please see www.lithonia.com

PRODUCT INFORMATION

Advanced plug-in system with two-circuit capability. Available on industrial and strip products and a variety of architectural products mounted in continuous rows. 1, 2, 3 and 4-lamp fixtures. PLR22 (2-circuit) and crossover harness switches hot circuit serving next fixture in row. Reduces fixture types on job for alternating circuit applications (see example below.)

Easy one-step installation, saves up to 35% on labor costs. Expanded switching flexibility helps save energy.

Rows can be 50% longer with two-circuit systems. Polarized, lock-together nylon connectors prevent miswiring in the field. #12 THHN conductor, rated 600V, 90°C. White neutral wire included. Grounding accomplished by fixture in-row connectors.

CSA certified systems available with up to 2 circuits. G ground required.

Note: Specifications subject to change without notice.

Wiring

PLR

Advanced 1 or 2-Circuit Plug-In

ORDERING INFORMATION Lead times will vary depending on options selected. Consult with your sales representative.

Series	Number of hot wires		Branch circuits				Dimming		Ground	
			Circuits to which ballast is connected		Emergency circuit connected					
PLR	(blank)	Not required for 22	(blank)	Not required for 22 or PLR1	(blank)	No emergency circuit	LV	Low-voltage dimming	G	Ground, required
PLR22	1	Black	A	Black wire	ELA	Emergency circuit wired to black wire				
	2	Black and red	B	Red wire	ELB	Emergency circuit wired to red wire				

Typical Applications

- Multiple-circuit and single-circuit for longer continuous rows
- Multiple-circuit with alternating fixtures on separate circuits, 2-circuit (PLR 22)
- Multiple circuit with night-lights located along row as desired

LSXR – Fixture Mount Occupancy Sensor (see www.AcuityControls.com for additional information)

- Three interchangeable lens options to satisfy multiple mounting heights and coverage pattern requirements.
- Integrated mounting bracket drops lens down 3" from chase nipple.
- Single or dual relay versions — designed with robust protection from the harsh switching requirements of T5 and LED loads.
- Photocell and 0-10VDC dimming options.
- No PIR field calibration or sensitivity adjustments required.
- Sensor ambient temperature rating of 14°F (-10°C) to 131°F (55°C).

LSXR configuration	Comparable CMRB sensor	Old style sensor nomenclature
For shortest lead times use one of the following LSXR configurations		
LC0ZU	CMRB 50	MSI
LCH0SZU	CMRB 50 D	MSID
LCPZU	CMRB 50 P	MSIPED
LA0ZU	CMRB 6	MSI360
LAH0SZU	CMRB 6 D	MSI360D
LAPZU	CMRB 6 P	MSI360PED

SELECTIONS BELOW WILL EXTEND ORDER LEAD TIME. CONSULT YOUR SALES REPRESENTATIVE FOR DETAILS.

SINGLE RELAY

ORDERING INFORMATION

Example: LAH0SZU

Series	Lens option	Dimming/Photocell	Max. dim level	Min. dim level	Temp/Humidity	Default occupancy time delay
L LSXR passive infrared indoor occupancy sensor	A High mount, 360° B Low mount, 360° C High mount aisleway	0 None[1] H High/low occupancy operation P Switching photocell (on/off)[1] M Dimming and switching photocell G Dimming and switching photocell with high/low occupancy operation	0 10 VDC 9 9 VDC 8 8 VDC 7 7 VDC	S Minimum dim level of ballast 1 1 VDC 2 2 VDC 3 3 VDC 4 4 VDC 5 5 VDC 6 6 VDC	Z None T Low temperature[2]	I 30 sec D 2.5 min X 5.0 min R 7.5 min U 10.0 min (with minimum 15 minute on time) V 15.0 min W 20.0 min Y 30.0 min

Notes

1 Max and min dim levels not applicable with this option.

2 Ambient temperature rating of -4°F (-20°C) to 131°F (55°C).

DUAL RELAY (Available with 120, 277, and 347V only)

ORDERING INFORMATION

Example: LA2KZU

Series	Lens option	Poles	Operating mode	Temp/Humidity	Default occupancy time delay
L LSXR passive infrared indoor occupancy sensor	A High mount, 360° B Low mount, 360° C High mount aisleway	2 Dual relay	J None K Alternating off relays (promotes even lamp wear) O Alternating off relays w/photocell P Switching photocell(on/off) E Photocell on/off (pole 1 only) F Photocell on/off - both poles (dual set-point)	Z None T Low temperature[1]	I 30 sec D 2.5 min X 5.0 min R 7.5 min U 10.0 min (with minimum 15 minute on time) V 15.0 min W 20.0 min Y 30.0 min

Notes

1 Ambient temperature rating of -4°F (-20°C) to 131°F (55°C).

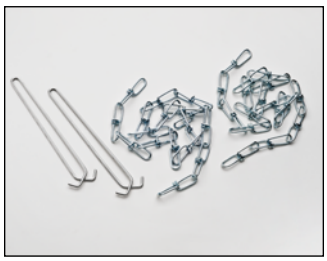
Example: LENS 50 J100

Replacement lenses: *Order as separate catalog number.*

Series	Lens type	Package quantity
LENS	6 High mount 360° 10 Low mount 360° 50 High mount aisleway	[blank] Single Lens J10 10-pack J100 100-pack

OPTIONS AND ACCESSORIES

The Z Series fixture offers numerous options for almost every electrical and optical component, including a long list of field-installable accessories.

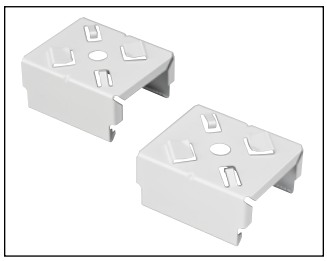


HANGER CHAIN

36" chain with Y hanger.

Order as:

HC36

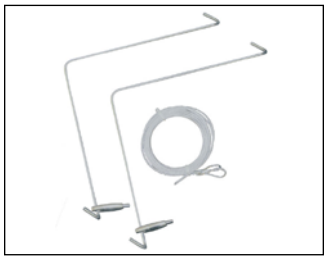


Z SPRING HANGER

Snap 'n' lock design requires no fasteners and can be used on T-grid ceiling or universal mounting systems.

Order as:

ZSPRG

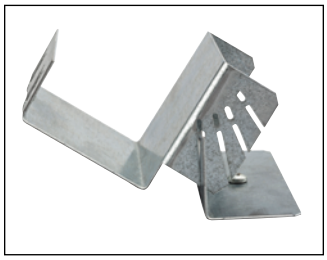


ZACVH HANGER

10' Aircraft cable with Y hanger.

Order as:

ZACVH

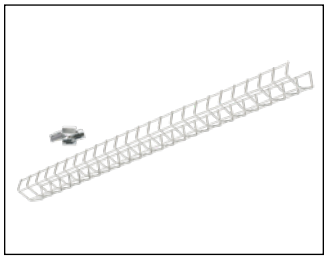


ANGLE MOUNTING BRACKET

Luma-tilt™ angle bracket ships as a pair

Order as:

ZLANGBKT



WIRE GUARD

Order as:

WGZ24

WGZ48

Existing fixtures above storage space

Existing fixtures above storage space

Existing fixtures above storage space

Existing fixtures above storage space

Existing fixtures above storage space

Existing fixtures above storage space

Existing fixtures above storage space


Existing fixtures above
storage space
EXPIRED
MEDIUM


Existing fixtures above
storage space
WELLNESS STATION


Approx location of new strip light fixtures
FIRE EXTINGUISHER


Existing fixtures above
storage space


Existing fixtures above
storage space

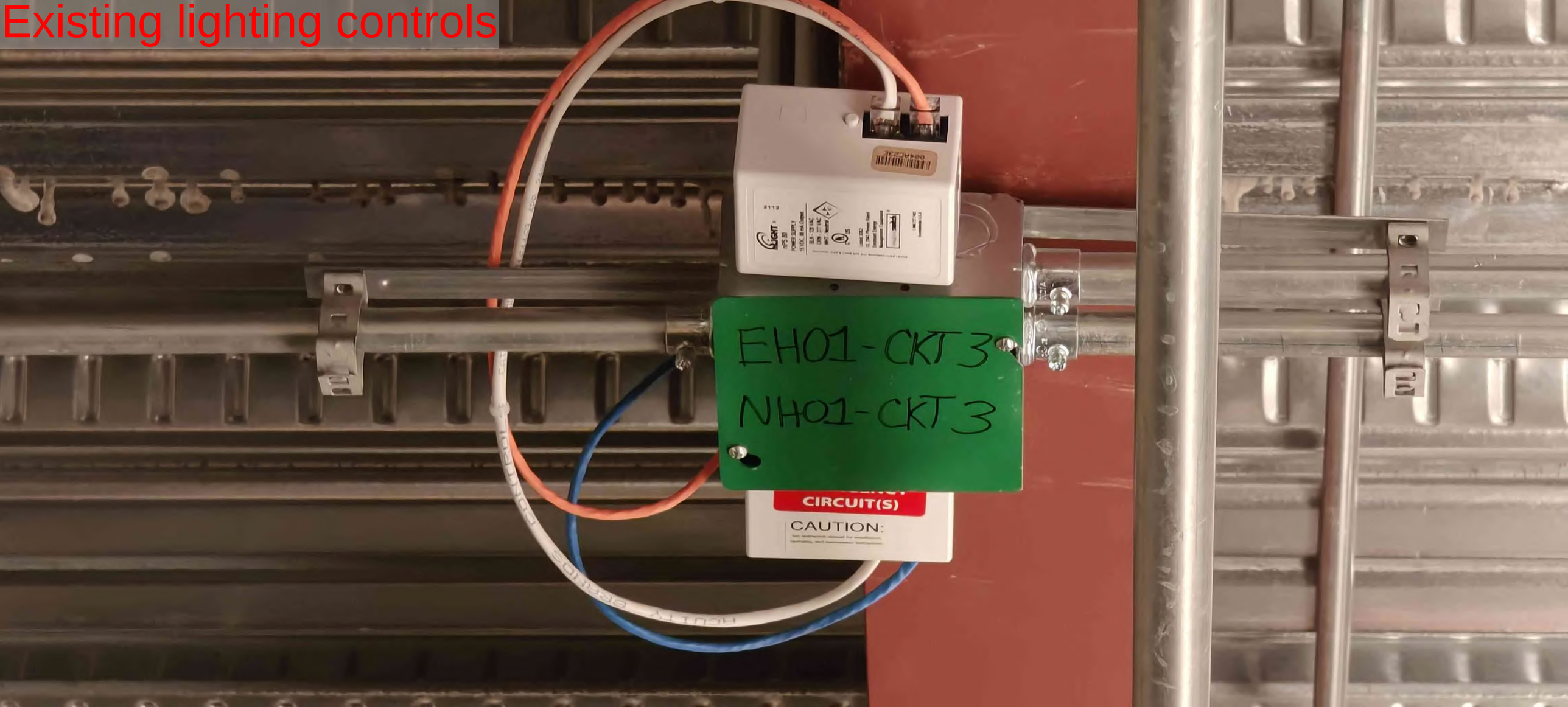

Existing fixtures above
storage space
2 HR FIRE BARRIER
1641

Existing fixtures above storage space

Existing can light identification

Existing lighting controls

Existing lighting controls



Existing strip light identification

Existing lighting controls