

General Conditions: Α.

4.

1. All scheduled numbers and amounts of material and equipment are for contractor's convenience only. Contractor shall count and measure independently for bidding and ordering purposes. All scheduled numbers, lengths and other amounts may be incorrect and owner is not liable for mismatch.

- 3

Notes applied to single items may apply to all like items on view. Before bidding contractor shall familiarize with existing conditions, scope of work and means and methods required. Contractor shall inquire about any missing or apparently incomplete details and specifications

before bidding. 4. Entire contract includes all specifications, plan sheets and other documents issued by owner. Bid documents don't intend to detail which subcontractor is responsible for what type of work. Any trade shall be

familiar with the entire contract. Division of work is responsibility of contractor. UTILITY CONNECTIONS: where work indicated includes installation of utilities (Gas, Power, Water, Sewer, Phone etc.) provide all the required work that normally is not done by the Utility. Contractor shall inquire 5.

with Utilities to learn about the Scope of the Utility's work.

B. Drawing Conventions To be demolished items are shown in dashed line and/or colored. Some items necessary for removal may not be shown and removal is part of the contract.

Count of devices. lengths, areas and volumes are given for convenience only. Actually required numbers may be different and contractor is responsible to determine the actual need prior bidding. Details will require items that will not be shown for every instance in the model. For example, a shut-off valve may be shown for a specific detail but the plans don't show this valve for every single instance - this 3. valve will be required for each such device.

Sheet and view Naming:

G - General

H - Hazardous Material

S - Structural

AD - Architectural Demolition

A - Architectural FA - Fire Detection and Alarm

PD - Plumbing Demolition

P - Plumbing

MD - Mechanical Demolition

M - Mechanical

ED - Electrical Demolition

EL - Electrical Lighting

EP - Electrical Power

Fire Station 4 Lighting Retrofit

PROJECT DESCRIPTION:

SPECIAL SITE CONDITIONS:

unless approved otherwise.

PROVISIONS FOR RETROFIT INSTALLATIONS

Replace existing interior lighting with new lighting fixtures and controls.

Meet requirements of local ordinances, rules and laws.

EQUIPMENT PROVIDED BY OWNER (DON'T INCLUDE IN BID PRICE):

WORK PROVIDED BY OWNER (DON'T INCLUDE IN BID PRICE):

1. Contractor may use owner's power and water at no cost.

Fire Station is occupied by staff. Contractor shall schedule work with least impact on occupants.

Hours of operation are limited to 7 a.m. to 7 p.m. Monday through Saturday and Sunday 10 a.m. through 7 p.m.

Contractor shall provide grid elements and repair ceiling grid where fixtures are removed. Re-use tiles where

1. Contractor is responsible to obtain all permits. See specification section 00 31 46 for details.

possible. Where required, provide new tiles. New tiles have to look similar to XTG tiles. An exact match (exact

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1

UTILITIES:

1. NA

ALTERNATES:

1. NA

WORK HOURS

1. NA

NA

NA

NA

SPECIAL WARRANTIES:

PERMIT REQUIREMENTS:

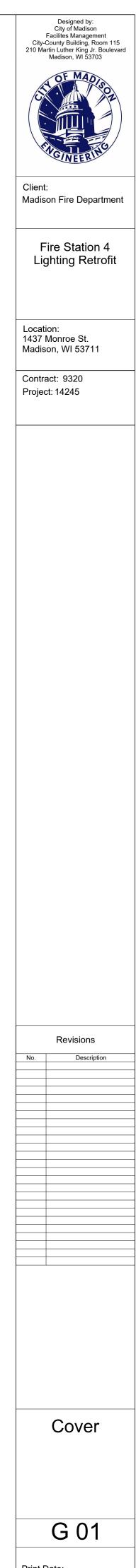
CONTINUITY OF SERVICE:

SEQUENCING REQUIREMENTS:

NA

PROVISIONS FOR FUTURE WORK

model#) is not required.



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Above Finished Counter Above Finished Grade ALUM Aluminum Approved Above Suspended Ceiling Baseboard Below Finished Floor Below Finished Grade Building Below Bottom of Bottom of Concrete Bottom of Steel Base Plate Catch Basin Ceramic Tile Base Contractor Furnished / Contractor Installed Contractor Furnished / Owner Installed Corner Guard Cast-In-Place Control Joint Center Line Ceiling Concrete Masonry Unit Cleanout Column Concrete Continuous Corridor Carpet Casework Ceramic Tile Cold Water Demolition Drinking Fountain Diameter Door Downspout Dishwasher Drawing East Each Expansion Joint Elevator Expanded Polystyrene Board Equal (Distance) Estimated Expand, Expansion Exterior Female Fire Alarm Fabrio Floor Drain Fire Extinguisher Cabinet Fire Hose Cabinet Floor Floormat Foundation FND Finished Opening Fire Protection Footing Gauge Galvanized Grab Bar Grade Gypsum Board Hose Bib Hollow Core Height Handicapped Hollow Metal Heating, Ventilation & Air Conditioning HVAC Hot Water Inside Diameter Jurisdiction Having Authority Lavatory Live Load Male MAX Maimum MFR Manufacturer Minimum MISC Miscellaneous Masonry Opening North Not Applicable Not in Contract Nominal No to Scale NTS on center Outside Diameter Owner Furnished / Contractor Installed OF / OI Owner Furnished / Owner Installed Over Head Door OPNG OPP Opening Opposite PERP Perpendicular Polyisocyanurate Board Paint, Painted POLYISO PTN Partitio RCP Reflected Ceiling Plan Roof Drain REBAR Reinforcing Steel Bars Reference Revision REV Rough Opening South Sanitary Stainless Steel Temperature Top of Finsihed Floor Top of Top of Beam Top of Concrete Top of Joist Typical Unless Noted Otherwise Verified in Field West

Without

Water Closet Wood

Water Heater

Extruded Polystyrene Board

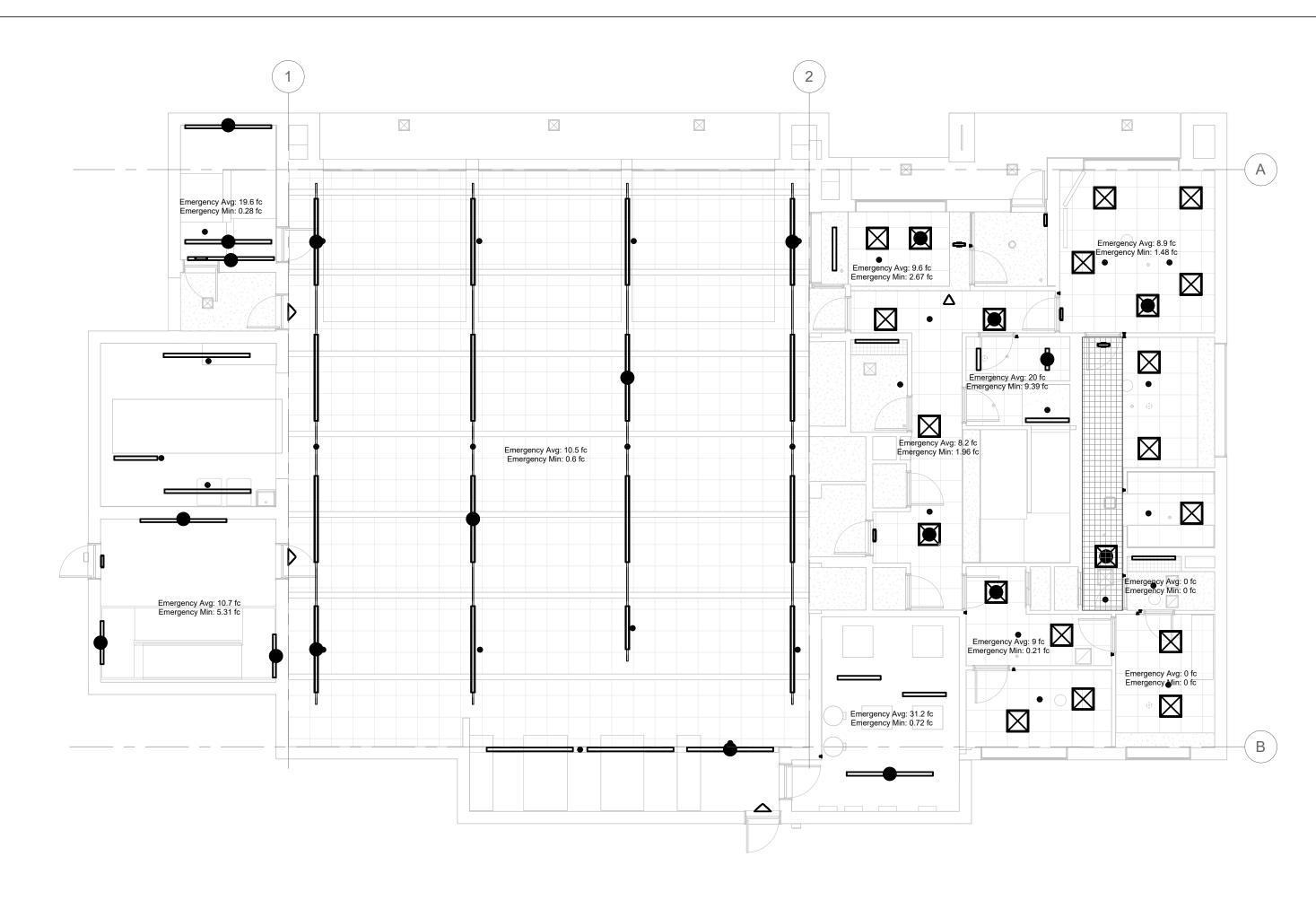
Existing

General Abbreviations

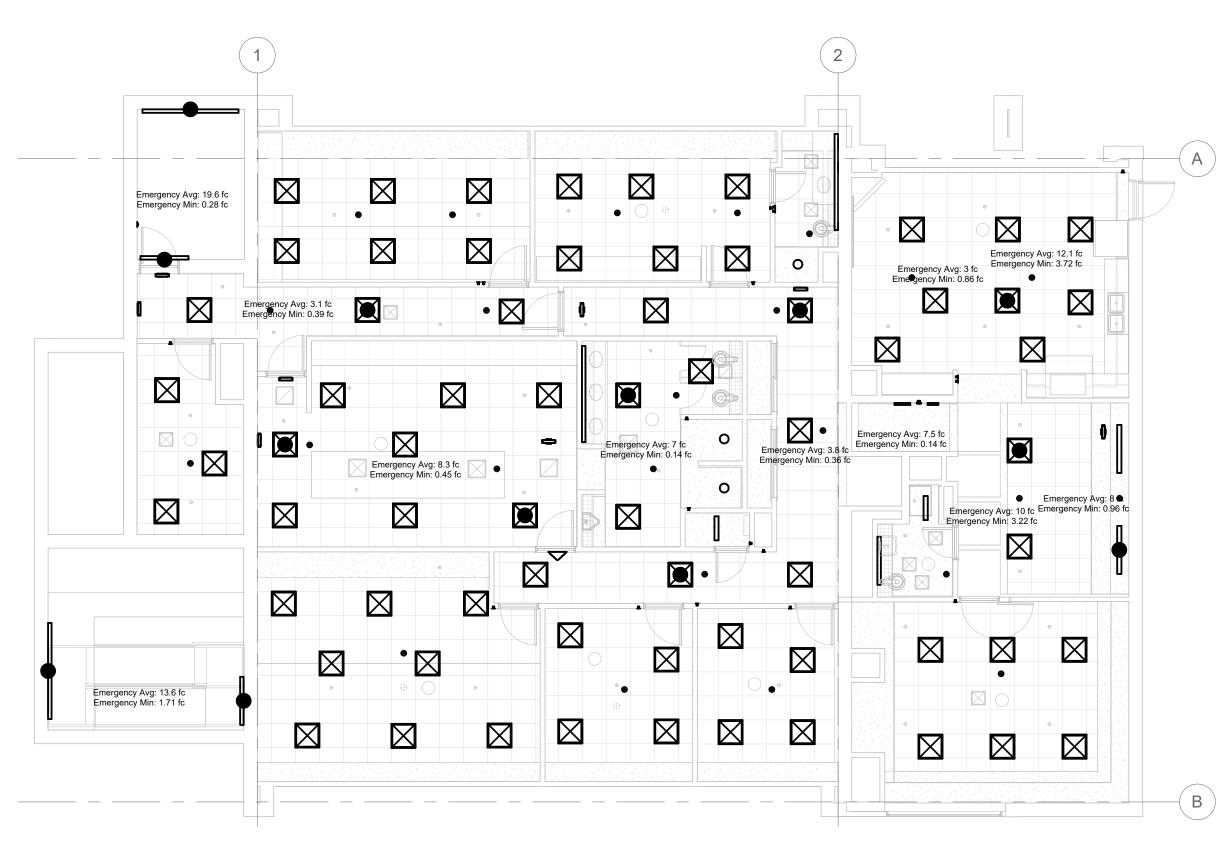
ADD

Above Finished Flo Acoustical Ceiling Tile

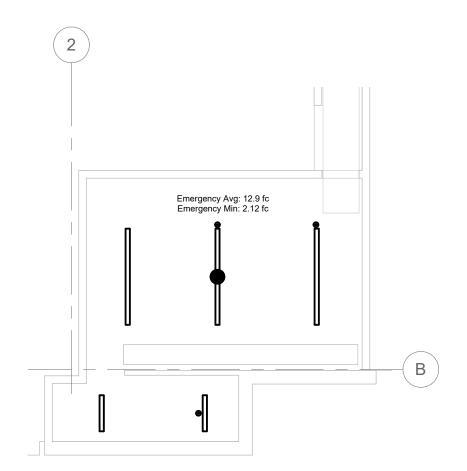
Additional



(1) EL Egress - Level 1 1/8" = 1'-0"



(3) EL Egress - Level 3 1/8" = 1'-0"



(2) EL Egress - Level 0 1/8" = 1'-0"

	-		1	
Type Mark	Space: Number	Space: Name	Apparent Load	Estimated UL 924 Relays required
EX-2-AC	100	Garage	4 VA	required
EX-2-AC	100	Garage	4 VA	
EX-2-AC	107A	Corridor	4 VA	
EX-2-AC	100	Garage	4 VA	
EX-2-AC	304A	Corridor	4 VA	
EX-3-AC	112	Hallway	4 VA	
EX-AC	122	Tower Stair Level 1	1 VA	
EX-AC	117	Bedroom	1 VA	
EX-AC	116	Office	1 VA	
EX-AC			1 VA	
EX-AC	111	Reception Office	1 VA	
EX-AC	112	Hallway	1 VA	
EX-AC	304B	Corridor	1 VA	
EX-AC	304B	Corridor	1 VA	
EX-AC	309	Locker	1 VA	
EX-AC	309	Locker	1 VA	
EX-AC	309	Locker	1 VA	
EX-AC	304A	Corridor	1 VA	
EX-AC EX-AC	304A	Corridor	1 VA	
EX-AC	204 121	Stairwell	1 VA 1 VA	
PR22-2K	121	Back Stair Level 1 Hallway	16 VA	1
PR22-2K PR22-2K	112	Bedroom	16 VA	1
PR22-2K	107A	Corridor	16 VA	1
PR22-2K	304A	Corridor	16 VA	1
PR22-2K	304A	Corridor	16 VA	1
PR22-2K	310	Bathroom	16 VA	1
PR22-2K	309	Locker	16 VA	1
PR22-2K	111	Reception Office	16 VA	1
PR22-2K	304B	Corridor	16 VA	1
PR22-3.4K	112	Hallway	27 VA	1
PR22-3.4K	116	Office	27 VA	1
PR22-3.4K	309	Locker	27 VA	1
PR22-3.4K	200A	Kitchen	27 VA	1
PR22-3.4K	203	Stairwell	27 VA	1
S2-2.5K	109	Storage	17 VA	1
S3-3K	204	Stairwell	20 VA	1
S4-4K	330	Back Stair Level 3	25 VA	1
S4-4K	400	Tower Stair Level 3	25 VA	1
S4-4K	204	Stairwell	25 VA	1
S4-5K	122	Tower Stair Level 1	32 VA	1
S4-7K	122	Tower Stair Level 1	45 VA	1
S4-7K	240	Tower Stair Level 2	45 VA	1
S8-8K S8-8K	100 122	Garage Tower Stair Level 1	49 VA 49 VA	1
S8-8K	122	Back Stair Level 1	49 VA 49 VA	1
S8-8K	230	Back Stair Level 1	49 VA	1
S8-8K	330	Back Stair Level 2	49 VA 49 VA	1
S8-8K	230	Back Stair Level 2	49 VA	1
S8-8K	400	Tower Stair Level 3	49 VA	1
S8-8K	100	Garage	49 VA	1
S8-8K	100	Garage	49 VA	1
S8-8K	100	Garage	49 VA	1
S8-8K	100	Garage	49 VA	1
S8-8K	001	Basement	49 VA	1
S8-10K	108	Mechanical	61 VA	1
S8-10K	100	Garage	61 VA	1

A. Demolition:

Demolish all existing lighting fixtures and controls. This includes all items not needed for new installation to function. This includes, but is not limited to, emergency, exit, track, architectural and spot lights, switches, sensors, inverters, batteries and control panels. Demolition drawings may not show all existing items.
 Remove all unused raceways, boxes, conduit and wiring

3. Patch wall, ceiling and other surfaces damaged by removal of XTG elements. Use adjacent surface matching cover for electrical boxes that remain.

B. Installation:

C.

D.

E.

- Install new raceways, boxes, conduit and wiring as required for new lighting fixtures and controls.
 Locations shown are approximate only. Install as required to coordinate with tile patterns, architectural features, sprinklers, mechanical equipment and other obstacles. Center Fixtures and provide even grid wherever possible. Review deviations from
- plan with designer prior installation.
 Install fixtures at indicated height. Provide required suspension. A noted height typically applies to all fixtures in a space, even if only a single fixture has an indicated height shown. If no height is given, ceiling surface mounting or mounting at bottom of fixture can be assumed. Installation in between trusses or beams also is an option. Consult with engineer before determining mounting height.
- 4. Surface wiring raceway in finished areas is only allowed where the structure does not allow installation inside ceiling or wall. Raceway shall be neatly routed and hidden in corners to the greatest extend possible. In finished spaces use surface wire molding instead of conduit. Wiremold shall be factory painted to match wall surface. Where matching factory paint is not available, use field-painting.
- Support all lighting fixtures adequately and provide all extra support.
 All conduit except at fixture entrance shall be 3/4" or larger. Turns between access boxes should not be more than 270°.
- Grid Ceilings: a. use flexible metal conduit from a J-box in enough length to allow lifting and 2' lateral move of fixture
- b. Move flexible head sprinklers where required for even layout pattern.
- Suspended Strip Light Fixtures: use rigid type hangers every 4' or less. Mount multiple fixtures in a row on a uni-strut structure.
 Cord & Plug Fixtures: Mount on hook for easy replacement and install safety wire. Provide plug within reach of fixture Retrofit Installation:
- I. Maintain all fire ratings while penetrating plenums, walls or ceilings.
- Install all wiring inside ceiling and wall. If wiring cannot be fished through, provide surface mounted conduit or wire molding in finished spaces.
 Modify Grid Ceiling to accommodate new fixtures. Fill in openings with new tiles of existing type. Contractor shall provide tiles and arid claments. Paview Special site conditions for information on two of tile. Where existing type diffuser or other permanent.
- and grid elements. Review Special site conditions for information on type of tile. Where sprinkler, diffuser or other permanent obstruction prevents even layout, relocate after consultation with engineer.
 Prevent dirt and dust polluting occupied areas and take special care while working in occupied areas and cover equipment and
- furniture as needed.
 5. Canopy: Provide retrofit version of fixtures and/or all retrofit accessories for installing over existing fixture locations. Ensure existing accessories are existing fixture locations. Ensure existing accessories are existent and an existing accessories are existent and an existence are existence.
- existing opening is fully covered. Build cover matching surrounding surface. Control:
- Locate sensors to enable good detection within controlled zone and in between partitions. In enclosed rooms minimize detection of motion in adjacent rooms.
 Lighting zones are indicated by wire annotations and/or switchleg (SL) numbering. Wire annotations are schematic only to
- 2. Eighting zones are indicated by wre annotations and/or switchieg (SL) numbering. Wre annotations are schematic only to indicate control relationships and don't necessarily equal actually required physical wire runs. Lighting zones can be shown by proximity of sensor and light fixture without wire or switchleg annotation (for example, garage lighting where each fixture has one sensor)
 3. Spaces with electrical panels shall have at least one light be controlled by a manual switch only (no automatic control) per
- code-requirement.
- 4. Fixture-mounted sensors shall be installed to allow 360° detection and bottom of sensor lens shall be at or below bottom of fixture.
- 5. Size analog 0-10V wiring to limit voltage drop. At 100% position the light fixture shall be 100% bright.
- Emergency Lighting: 1. Light fixtures with a black dot indicate emergency lights.
- Control fixtures from central inverter or generator. Provide all wiring to emergency power source.
- 3. Re-wire fixture internals if fixture has integrated sensor or other lighting control.
- . Install UL 924 relay in accessible location near controlled fixture. Verify location with engineer.
- a. Drywall Ceiling: if no easily accessible location is available, install relay above grid ceiling in adjacent area
 b. Outdoor fixtures: Install relay inside above a grid ceiling or other accessible location
- 5. Retrofit of XTG fixtures: Re-arrange wiring and existing control to allow emergency fixture operation like for new fixtures. Note that schedules that show number of relays required only account for relays of NEW fixtures.

Designed by: City of Madison Facilites Management City-County Building, Room 115 210 Martin Luther King Jr. Boulevard Madison, WI 53703

Madison, WI 53703

Client: Madison Fire Department

Fire Station 4

Lighting Retrofit

Location: 1437 Monroe St. Madison, WI 53711

Contract: 9320 Project: 14245

Revisions

No. Description

General

Lighting

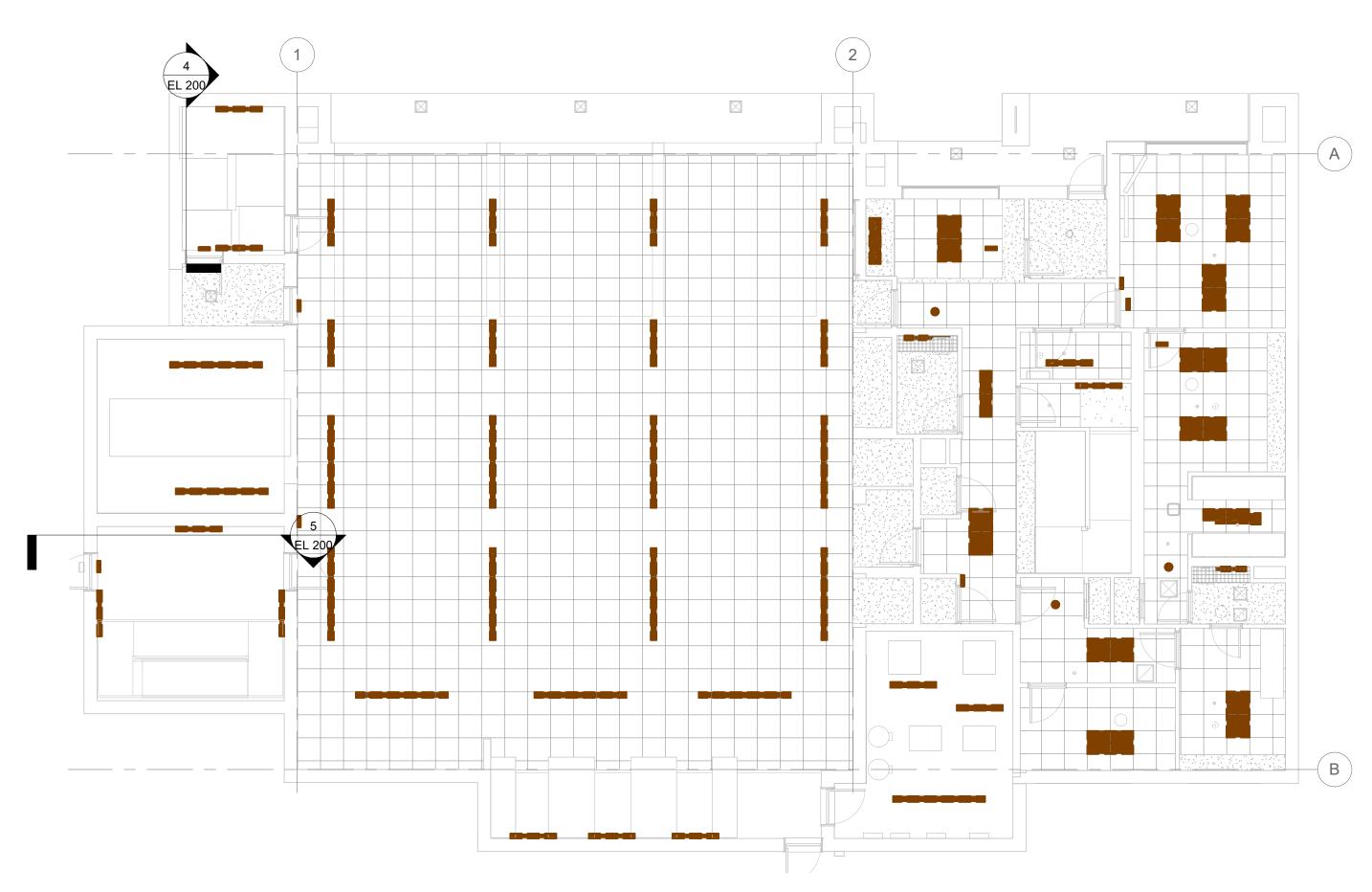
EL 001

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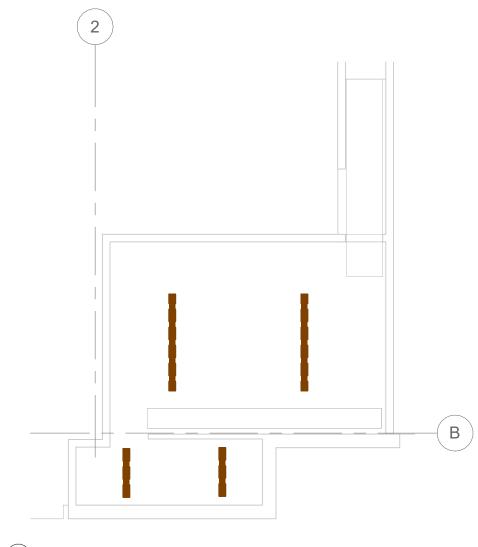
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IECC 2015	Lighting	Levels

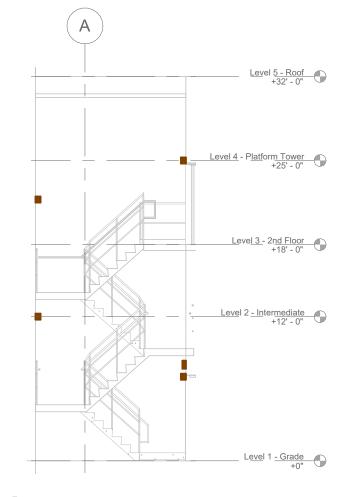
Space Number	Space Name	Area	Space Type	Workplane Height	Min. Required Avgerage Illumination	Actual Average Illumination	Illumination Goal	Max. Allowed Power Density IECC 2015	Actual Power Density	Actual Power Density compared to Code	Allowed Lighting Load	Actual Lighting Load
001	Basement	452 ft ²	Warehouse - bulky Items palletized	2' - 6"	20 fc	35.3 fc	177%	0.58 W/ft ²	0.41 W/ft ²	71%	262 VA	185 VA
100	Garage	2,878 ft ²	Emergency Vehicle Garage	2' - 6"	30 fc	33.2 fc	111%	0.56 W/ft ²	0.32 W/ft ²	58%	1,612 VA	935 VA
101	Shop	258 ft ²	Workshop	2' - 6"	40 fc	41.9 fc	105%	1.59 W/ft ²	0.5 W/ft ²	31%	410 VA	129 VA
106	Bathroom	36 ft ²	Restroom - otherwise	2' - 6"	20 fc	23.2 fc	116%	0.98 W/ft ²	0.68 W/ft ²	69%	36 VA	25 VA
107A	Corridor	89 ft ²	Corridor - otherwise	2' - 6"	10 fc	19.7 fc	197%	0.66 W/ft ²	0.37 W/ft ²	56%	59 VA	33 VA
107B	Bedroom	97 ft ²	Dormitory - Living Quarters	2' - 6"	20 fc	21.2 fc	106%	0.38 W/ft ²	0.32 W/ft ²	85%	37 VA	31 VA
108	Mechanical	244 ft ²	Electrical / Mechanical	2' - 6"	30 fc	53.6 fc	179%	0.95 W/ft ²	0.51 W/ft ²	54%	232 VA	124 VA
109	Storage	40 ft ²	Electrical / Mechanical	2' - 6"	30 fc	30.4 fc	101%	0.95 W/ft ²	0.87 W/ft ²	91%	38 VA	35 VA
110	Bathroom	45 ft ²	Restroom - otherwise	2' - 6"	20 fc	24.7 fc	123%	0.98 W/ft ²	0.7 W/ft ²	72%	44 VA	32 VA
111	Reception Office	95 ft²	Office - enclosed	2' - 6"	40 fc	42.6 fc	107%	1.11 W/ft ²	0.71 W/ft ²	64%	105 VA	67 VA
112	Hallway	276 ft ²	Corridor - otherwise	0' - 0"	10 fc	15.6 fc	156%	0.66 W/ft ²	0.27 W/ft ²	40%	182 VA	73 VA
116	Office	217 ft ²	Office - enclosed	2' - 6"	40 fc	43.2 fc	108%	1.11 W/ft ²	0.64 W/ft ²	58%	241 VA	139 VA
117	Bedroom	199 ft ²	Dormitory - Living Quarters	2' - 6"	20 fc	21.4 fc	107%	0.38 W/ft ²	0.35 W/ft ²	93%	76 VA	71 VA
118	Linen Closet	59 ft ²	Warehouse - small Items hand-carried	2' - 6"	30 fc	30.5 fc	102%	0.95 W/ft ²	0.62 W/ft ²	65%	56 VA	36 VA
119	Bedroom	114 ft ²	Dormitory - Living Quarters	2' - 6"	20 fc	23.9 fc	120%	0.38 W/ft ²	0.37 W/ft ²	97%	43 VA	42 VA
120	Stair Basement	38 ft ²	Corridor - otherwise	0' - 0"	10 fc	15.1 fc	151%	0.66 W/ft ²	0.66 W/ft ²	100%	25 VA	25 VA
121	Back Stair Level 1	112 ft ²	Stairwell	0' - 0"	10 fc	19.6 fc	196%	0.69 W/ft ²	0.43 W/ft ²	63%	77 VA	49 VA
122	Tower Stair Level 1	247 ft ²	Storage	0' - 0"	10 fc	10.7 fc	107%	0.63 W/ft ²	0.51 W/ft ²	80%	155 VA	125 VA
200A	Kitchen	189 ft ²	Food Preparation	2' - 6"	50 fc	59.7 fc	119%	1.21 W/ft ²	0.8 W/ft ²	66%	228 VA	152 VA
200B	Dining	223 ft ²	Lounge / Breakroom	2' - 6"	20 fc	39 fc	195%	0.73 W/ft ²	0.36 W/ft ²	49%	163 VA	80 VA
201	Bathroom	46 ft ²	Restroom - otherwise	2' - 6"	20 fc	26.2 fc	131%	0.98 W/ft ²	0.76 W/ft ²	77%	45 VA	35 VA
202	TV	374 ft ²	Lounge / Breakroom	2' - 6"	20 fc	32.3 fc	162%	0.73 W/ft ²	0.37 W/ft ²	50%	273 VA	137 VA
203	Stairwell	111 ft ²	Stairwell	0' - 0"	10 fc	19.7 fc	197%	0.69 W/ft ²	0.48 W/ft ²	69%	76 VA	53 VA
204	Stairwell	135 ft ²	Stairwell	0' - 0"	10 fc	17.1 fc	171%	0.69 W/ft ²	0.52 W/ft ²	75%	93 VA	69 VA
205	Intermediate Stair	36 ft²	Stairwell	0' - 0"	10 fc	11 fc	110%	0.69 W/ft ²	0.42 W/ft ²	61%	25 VA	15 VA
230	Back Stair Level 2	112 ft ²	Stairwell	0' - 0"	10 fc	19.6 fc	196%	0.69 W/ft ²	0.87 W/ft ²	126%	77 VA	97 VA
240	Tower Stair Level 2	247 ft ²	Stairwell	0' - 0"	10 fc	13.6 fc	136%	0.69 W/ft ²	0.18 W/ft ²	26%	170 VA	45 VA
301	Gym	430 ft ²	Fitness Exercise Area	2' - 6"	30 fc	40.9 fc	136%	0.72 W/ft ²	0.5 W/ft ²	70%	310 VA	216 VA
302	Dorm	177 ft ²	Dormitory - Living Quarters	2' - 6"	20 fc	22.3 fc	111%	0.38 W/ft ²	0.35 W/ft ²	93%	67 VA	62 VA
303	Dorm	169 ft ²	Dormitory - Living Quarters	2' - 6"	20 fc	25.1 fc	126%	0.38 W/ft ²	0.37 W/ft ²	97%	64 VA	62 VA
304A	Corridor	318 ft ²	Corridor - otherwise	0' - 0"	10 fc	10.6 fc	106%	0.66 W/ft ²	0.3 W/ft ²	46%	210 VA	96 VA
304B	Corridor	168 ft ²	Corridor - otherwise	0' - 0"	10 fc	11.6 fc	116%	0.66 W/ft ²	0.34 W/ft ²	52%	111 VA	58 VA
305	Dorm Office	129 ft ²	Office - enclosed	2' - 6"	40 fc	42.9 fc	107%	1.11 W/ft ²	0.76 W/ft ²	69%	144 VA	99 VA
306	Office	285 ft ²	Office - open	2' - 6"	40 fc	44.3 fc	111%	0.98 W/ft ²	0.63 W/ft ²	64%	279 VA	178 VA
307	Dorm	247 ft ²	Dormitory - Living Quarters	2' - 6"	20 fc	24.4 fc	122%	0.38 W/ft ²	0.38 W/ft ²	100%	94 VA	94 VA
308	Bathroom	59 ft ²	Restroom - otherwise	2' - 6"	20 fc	29.9 fc	150%	0.98 W/ft ²	0.98 W/ft ²	100%	58 VA	59 VA
309	Locker	443 ft ²	Locker	2' - 6"	20 fc	34.9 fc	174%	0.75 W/ft ²	0.43 W/ft ²	57%	332 VA	190 VA
310	Bathroom	208 ft ²	Restroom - otherwise	2' - 6"	20 fc	33 fc	165%	0.98 W/ft ²	0.61 W/ft ²	62%	203 VA	126 VA
311	Closet	15 ft ²	Electrical / Mechanical	2' - 6"	30 fc	32.4 fc	108%	0.95 W/ft ²	1.14 W/ft ²	121%	14 VA	17 VA
330	Back Stair Level 3	112 ft ²	Stairwell	0' - 0"	10 fc	19.6 fc	196%	0.69 W/ft ²	0.66 W/ft ²	95%	77 VA	73 VA
400	Tower Stair Level 3	247 ft ²	Stairwell	0' - 0"	10 fc	11.9 fc	119%	0.69 W/ft ²	0.3 W/ft ²	43%	170 VA	73 VA



1 ED - Level 1 1/8" = 1'-0"



3 ED - Level 0 1/8" = 1'-0"

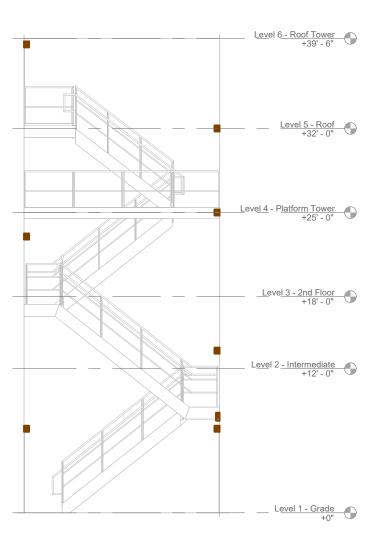


(4) ED Section - Stair Tower 1/8" = 1'-0"

2	0	2	4	6	8	10	2	0	2	4	6	8	10	12	14	5	0	5	10	15	20	5	0	5	10	1
1/4"	= 1'-0"			F	EET			16" = 1					FEE			1/8"	= 1'-0"			FEET		3/3	2" = 1'-0	"		

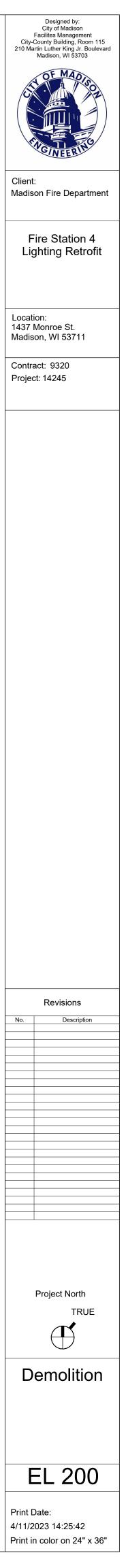


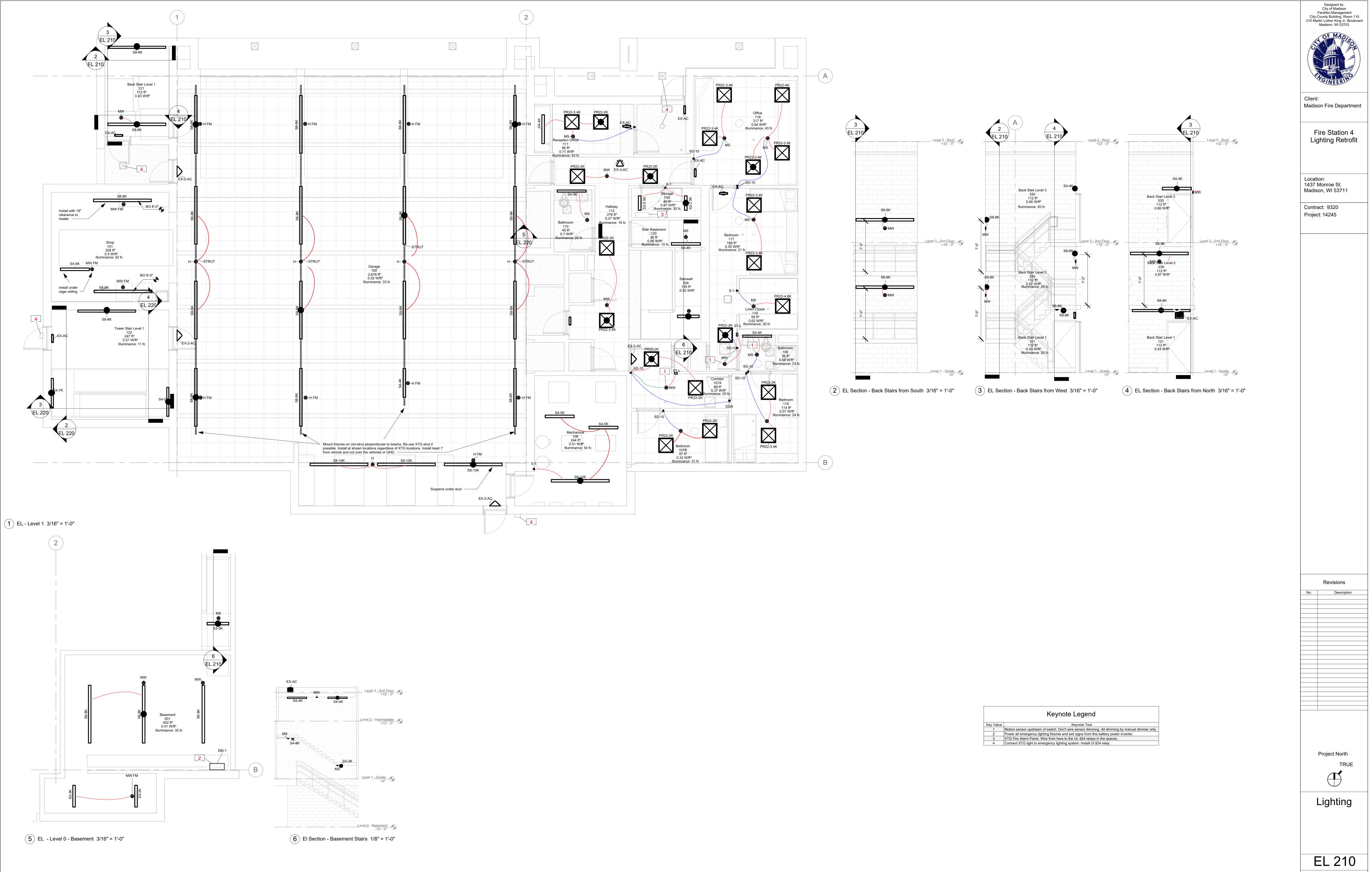
2 ED - Level 3 1/8" = 1'-0"

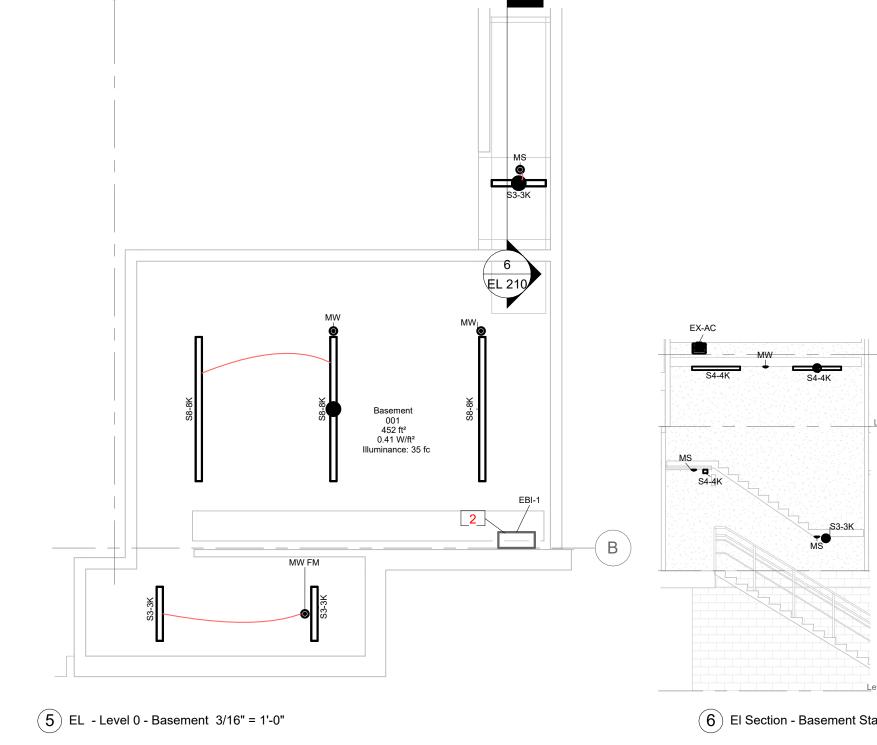


(5) ED Section - Hose Tower 1/8" = 1'-0"

15	20	25	30	5	0	5	10	15	20	25	30	35	40	45	20	0	20	40
	FE	EET			16" =	1'-0"				F	EET				1" = 2	20'-0"	FEET	Г



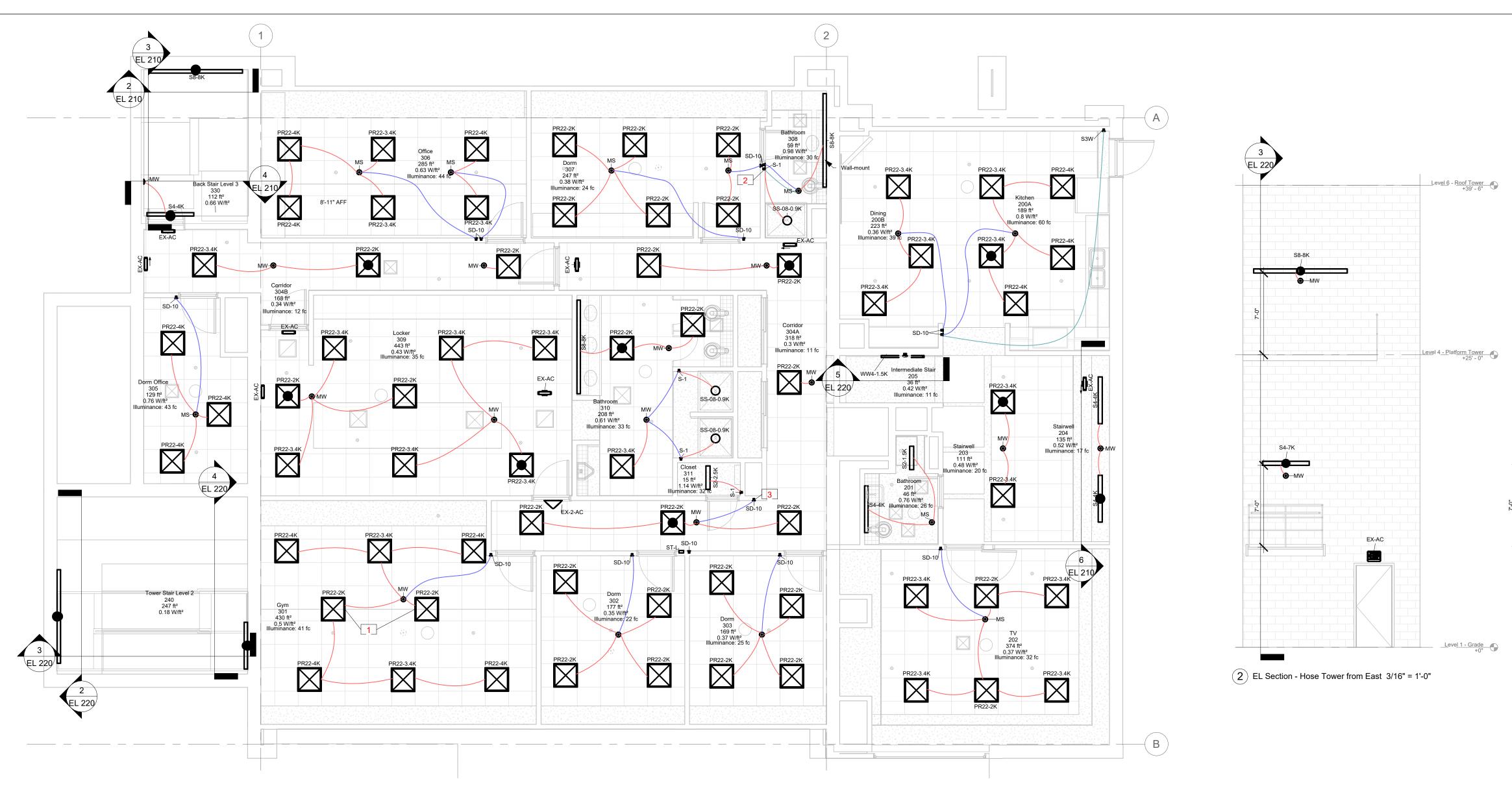




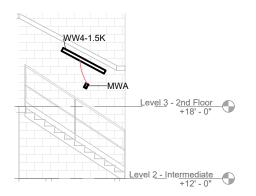
2 0 2 4	4 6 8 10	2 0 2 4	6 8 10 12 14	5 0 5	10 15 20	5 0
1/4" = 1'-0"	FEET	3/16" = 1'-0"	FEET	1/8" = 1'-0"	FEET	3/32" = 1'-0"

FEET 1/16" = 1'-0" FEET 1" = 20'-0" FEET

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(1) EL - Level 3 - 2nd Floor 3/16" = 1'-0"



(5) EL Section - Intermediate Stairs 1/8" = 1'-0"

2	0	2	4	6	8	10	2
1/4"	' = 1'-0"			F	EET		

2 0 2 4 6 10 3/16" = 1'-0" FEET

12

10 15 1/8" = 1'-0" FEET

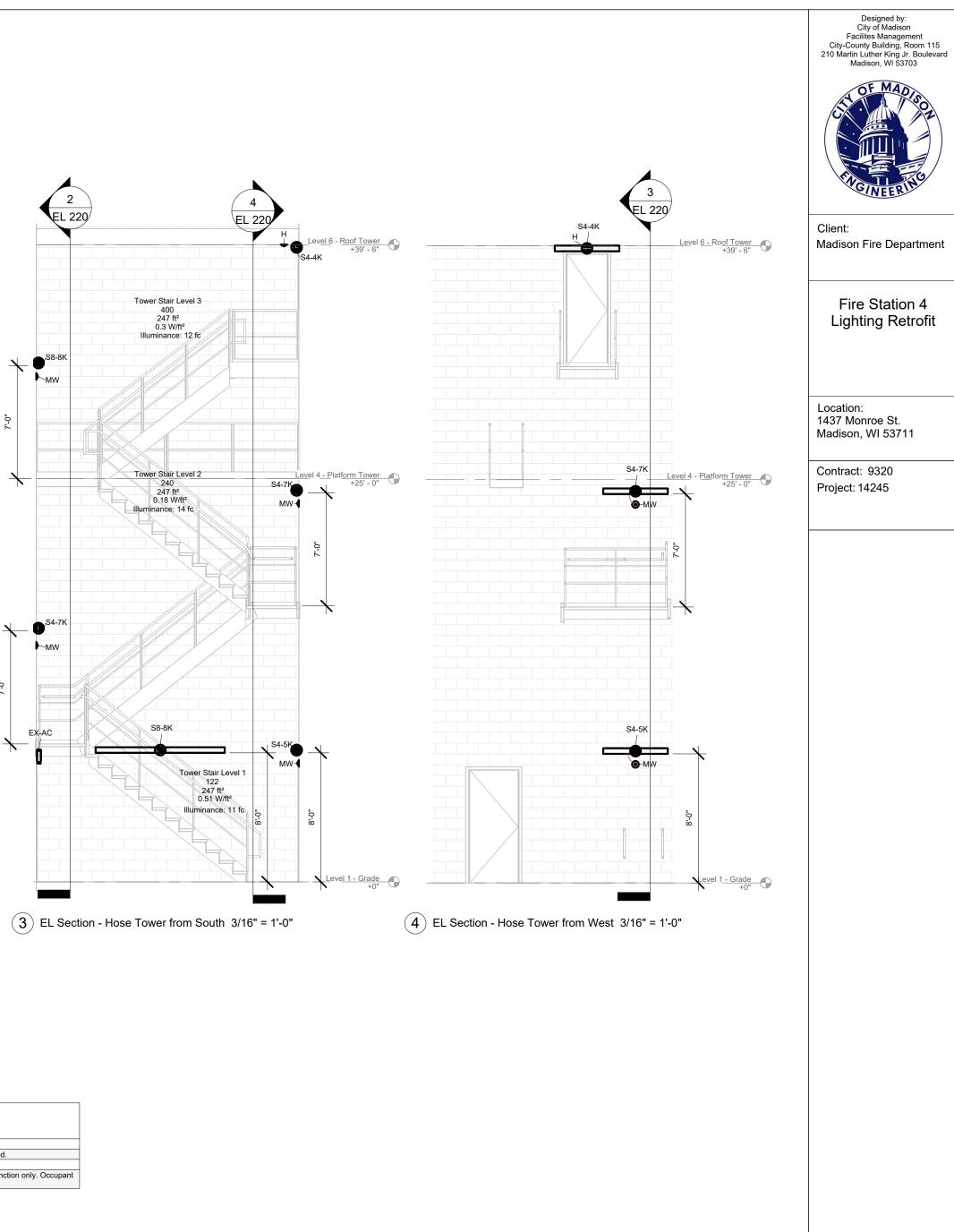
3/32" = 1'-0"

20

	Keynote Legend
Key Value	Keynote Text
1	Re-work ceiling grid to install fixtures as indicated.
2	Switch downstream of sensor.
3	Disable switchleg in dimmer switch. Dimming function only shall not be able to fully turn off lights manually.

 \mathbf{X}

FEET 1/16" = 1'-0" FEET 1" = 20'-0" FEET



Light	ing
EL 2	20
EL 2 Print Date:	20

Revisions

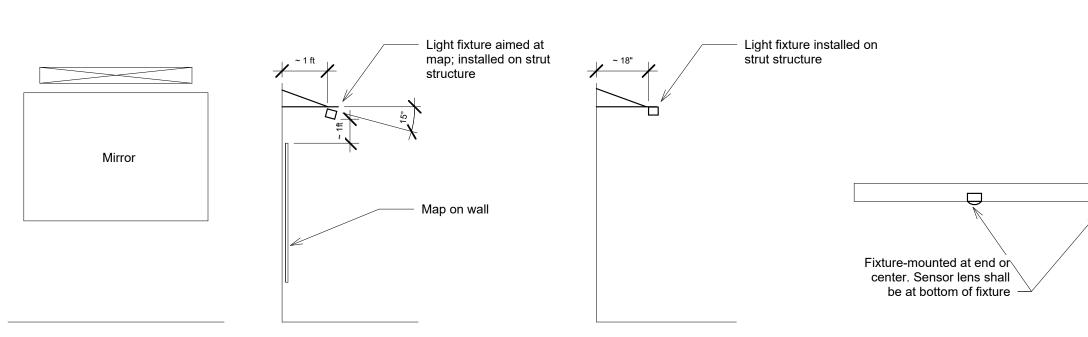
No. Description

Print in color on 24" x 36"

	Lighting Device Schedule													
Type Mark	Description	Est. Count	Model	URL	Type Remark	Specification								
Н	Motion Sensor High Bay	6	Sensorswitch CMR-6-D-P-VLP	www.acuitybrands.com		26 09 23 - Lighting Control Devices								
H FM	Motion Sensor High-Bay; Fixture-mount	9	Sensorswitch LSXR-6-ADC-VLP	www.acuitybrands.com		26 09 23 - Lighting Control Devices								
MS	Motion Sensor short Range	22	Sensorswitch CMR-9-PDT-ADC-VLP	www.acuitybrands.com		26 09 23 - Lighting Control Devices								
MW	Motion Sensor wide Range	28	Sensorswitch CMR-10-PDT-ADC-VLP	www.acuitybrands.com		26 09 23 - Lighting Control Devices								
MW FM	Motion Sensor wide Range; Fixture-mount	4	Sensorswitch LSXR-10-ADC-VLP	www.acuitybrands.com		26 09 23 - Lighting Control Devices								
MWA	Motion Sensor Wall-mount 180° Coverage; 48" height	1	Sensorswitch LWS-WH	www.acuitybrands.com		26 09 23 – Lighting Control Devices								
S3W	3-Way Switch	2				26 09 23 - Lighting Control Devices								
S-1	Single Switch	7				26 09 23 - Lighting Control Devices								
SD-10	Switch w/ 0-10V Dimmer	23	Wattstopper RH4FBL3PW	www.legrand.us		26 09 23 - Lighting Control Devices								

Mark	Space Number	Space Name
EBI-1	001	Basement

Ippe frame Dippe frame																					
			Lighting Device	Schedu	le								Emergency	v Power Batterv	nverters						
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ist	Type Mark	Description Co	st. Nunt Model		JRI Type Remark	Specification	Mark	Spa	ace Number	Space Name	Descri	intion Ma	nufacturer Mode	el Remark	UR	Output Rating @ 90) In / Out Voltage	Weight Specific Remark	Specifications		
Lip L																				g	
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		ě			,																Uninterruptible Power Supply
	MIVVA MOUON		Sensorswitch LWS-WH	www.acu	lybrands.com	26 09 23 – Lighting Control Devices	S														
	S3W		2			26 09 23 – Lighting Control Devices	- s														Switch
Internet Control Contro Control Control		Single Switch				26 09 23 – Lighting Control Devices	s														
Upting Exture Schedule upsate reactions Section	SD-10	Switch w/ 0-10V Dimmer 2	23 Wattstopper RH4FBL3PW	www.	egrand.us															Primary Power	
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Processing Culture Interfactor Product And Control Processing														26 50 00	Lighting	0				5.	
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PR22-4K Light Fixture Interior Panel Recessed 2x2 14 Lithonia EPAAU-2x4-400LMHE-4RX-80CRLMINT-2T-MVOLT www.acuitybrands.com 33 VA 1117 m 4000 K 125 mV L910 @ 60K hours PEXES Demole Color Demole Color Demole Color Demole Color Demole Color Demole Color																5				0.	
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Fixture on bracket

Suspended Strip Fixture w/ Sensor

Fixture above Mirror

Fixture above Map

(1) EL Typical Installation Details - Not to Scale

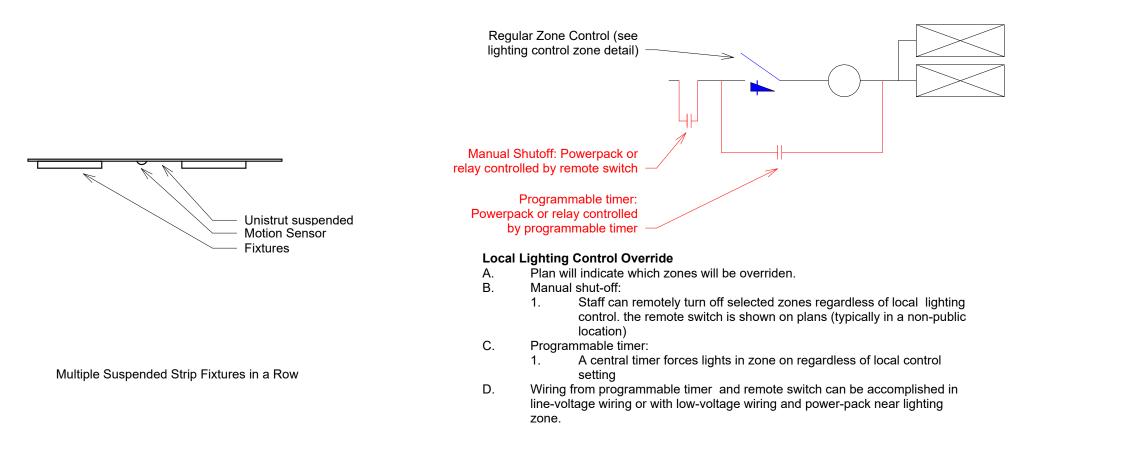
(5) EL Egress Lighting Control w/ UPS and Fire Alarm Integration - Not to Scale

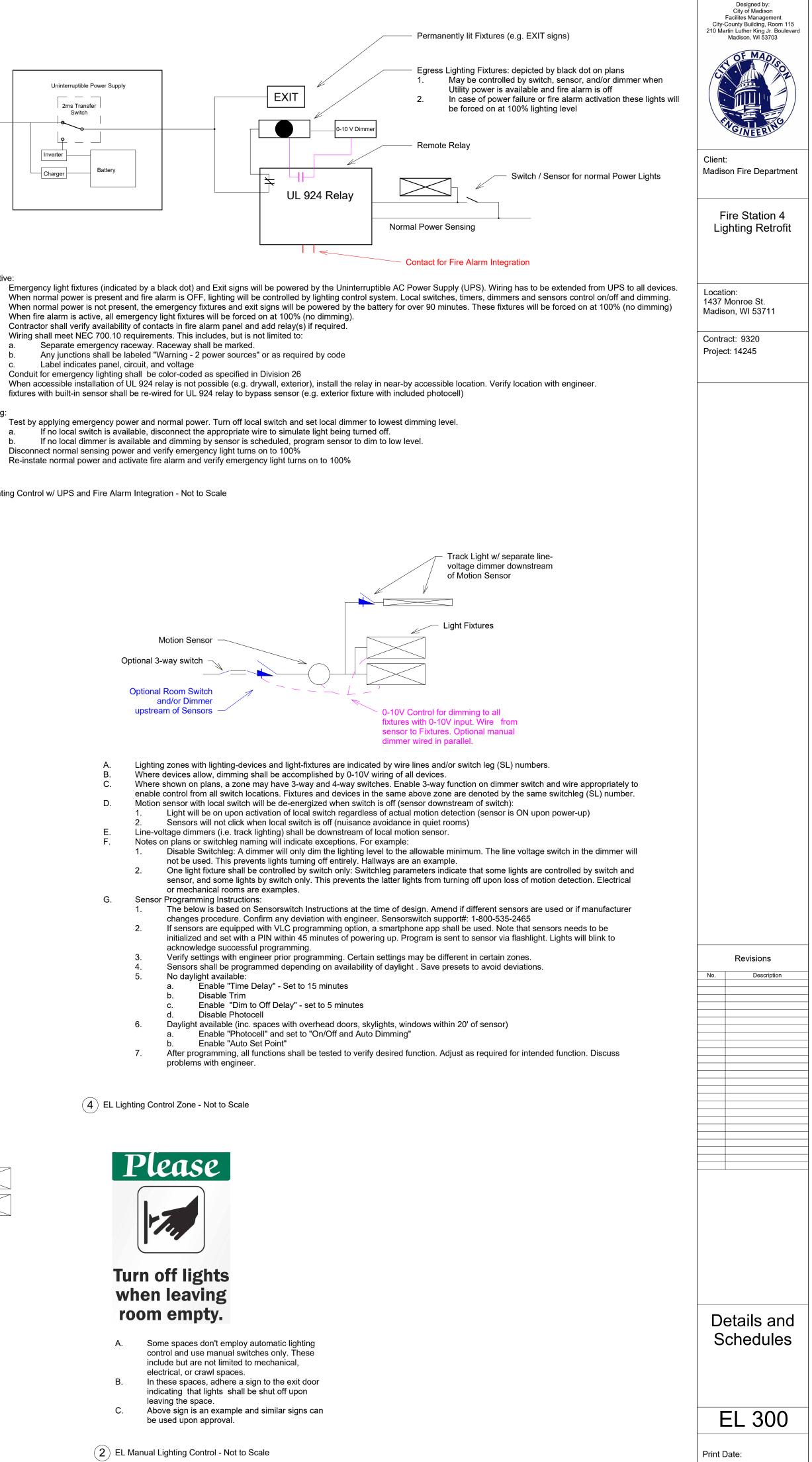
b.

3.

C.

D.





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