

- General Notes:**
- See Architectural drawings for all mounting details and corresponding specifications. Lighting fixture manufacturer to approve mounting details prior to first order.
 - Contractor shall verify that all lighting equipment specified in its application on this project complies with all applicable national and local codes, ordinances, regulations and jurisdictions prior to ordering any equipment.
 - Do not scale electrical drawing for exact location of the lighting fixtures. In general, the architectural reflected ceiling plans indicate the proper location of lighting fixtures.
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 - All 40mm schedule 40 black steel pipe must be permanently secured so that no deflection or vibration occurs when fixtures are mounted at varying angles.
 - All unistrut must be permanently secured so that no deflection or rotation occurs when fixtures are mounted at varying angles.
 - All C-clamp and unistrut mounted light fixtures will employ safety cables supplied by the appropriate fixture manufacturer.
 - For all remote location dimmers, the electrical contractor shall provide separate neutrals for each dimming circuit (i.e. no common neutrals).
 - A line item price for the cost to provide and install each lighting fixture type is required.

All public elevators with integral circulation light to deliver no less than 100 lux across each head. See escalator manufacturer detail drawings.

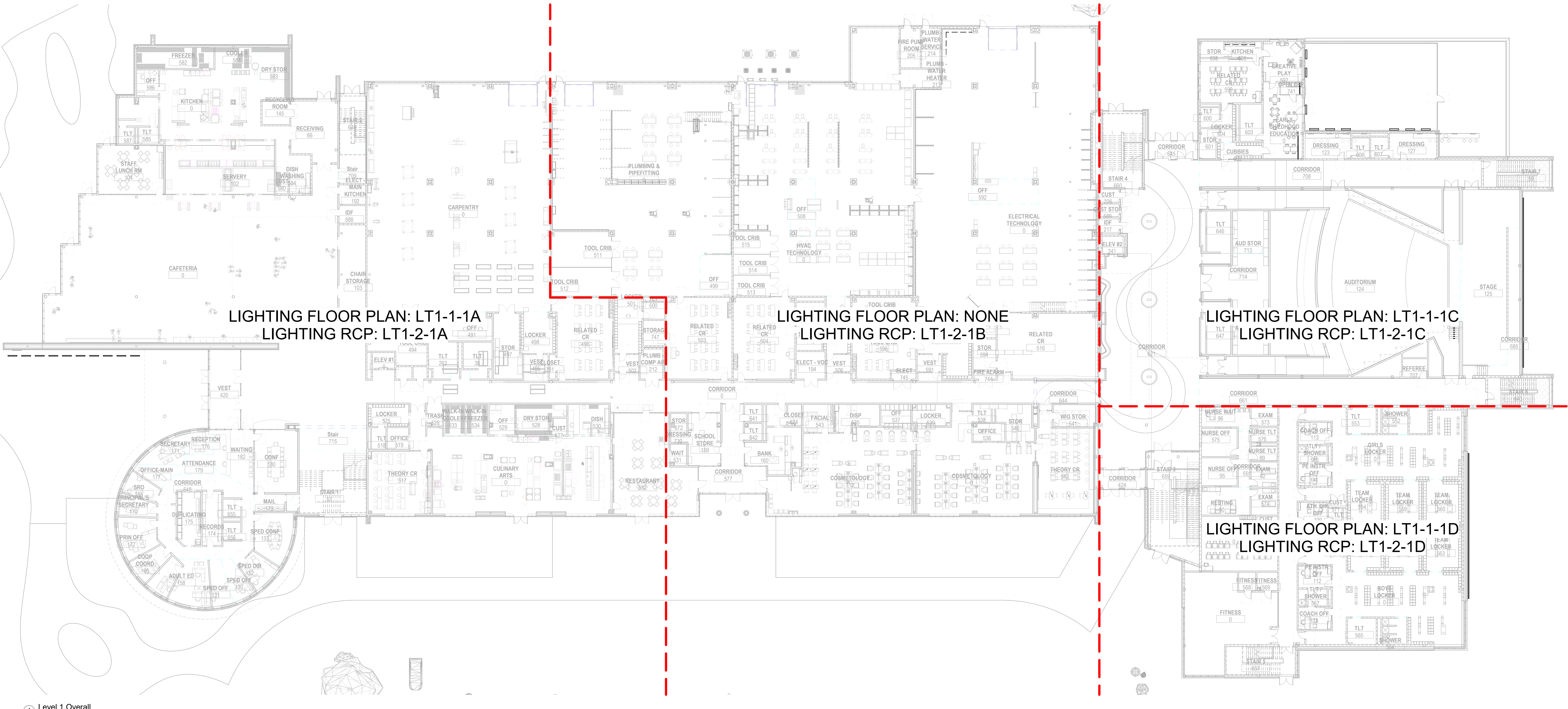
All public elevators with integral circulation light to deliver no less than 100 lux across floor of cab. See elevator manufacturer detail drawings.

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Notes:

◆ Lettered notes for this sheet only ◆



1 Level 1 Overall
1" = 20'-0"

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06074

260 Charles Street
Studio 300
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02453

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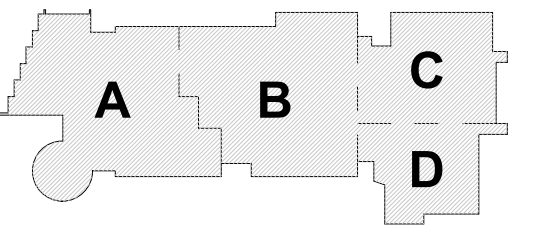
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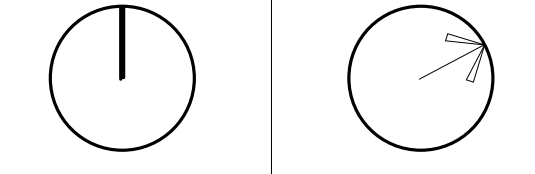
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August 4th, 2022



KEY PLAN

PROJECT NORTH MAGNETIC NORTH



**Lighting Overall
First Floor Plan**

Scale: As indicated
Job No.: 20202
Drawn By: AL
Date: August 4th, 2022

LT1-1-1

- General Notes:**
- See Architectural drawings for all mounting details and corresponding specifications. Lighting fixture manufacturer to approve mounting details prior to first order.
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All public escalators with integral circulation light to deliver no less than 100 lux across each tread. See escalator manufacturer detail drawings.

All public elevators with integral circulation light to deliver no less than 100 lux across floor of cab. See elevator manufacturer detail drawings.

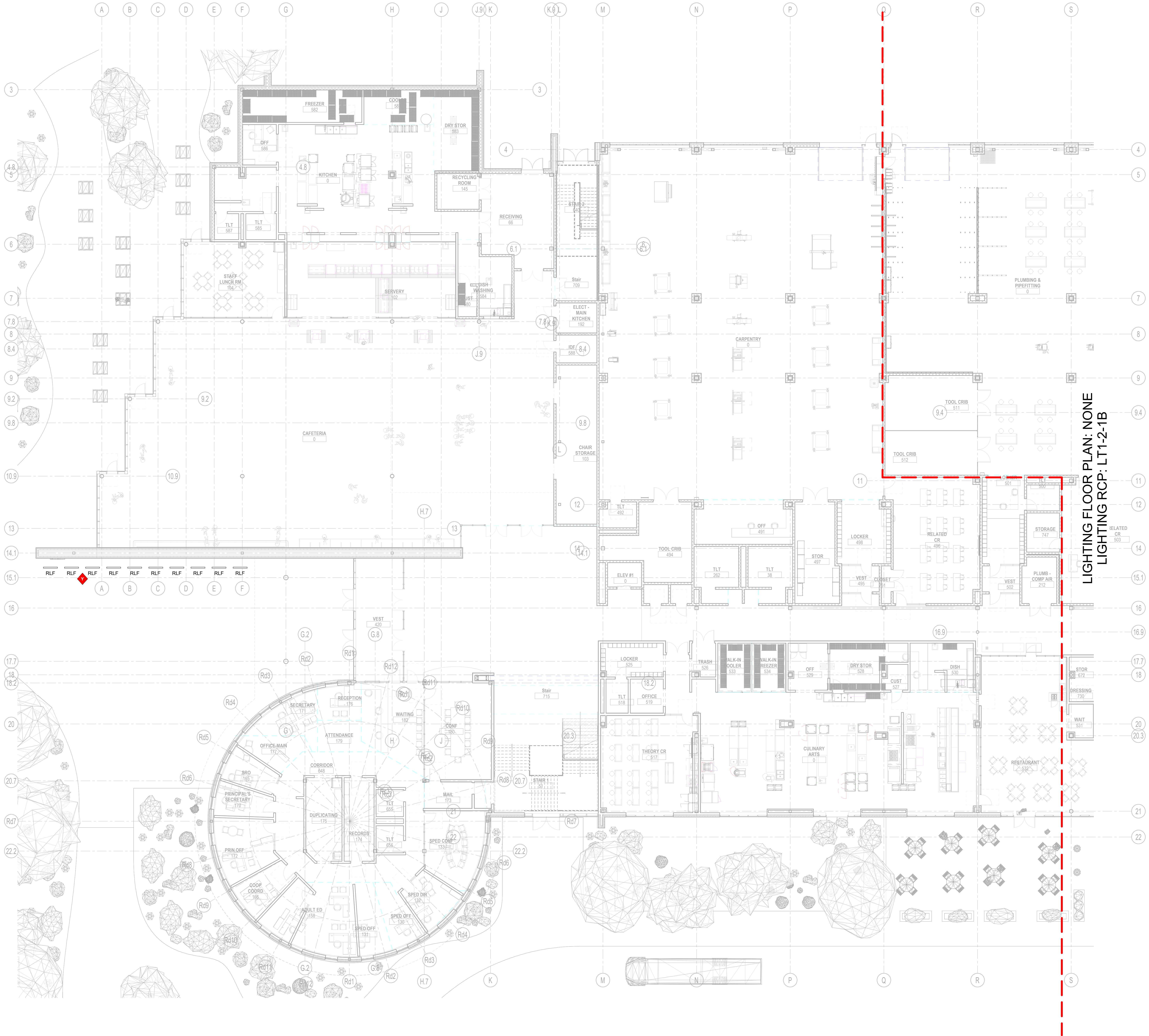
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Notes:

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Y 4'-0" Long by 5-8/16" Tall recessed linear fixture recessed in handraps to illuminate signage and wall. Typical (Type RLF).



1 Level 1 - Area A
3/32" = 1'-0"

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South Windsor, CT
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260 Charles Street
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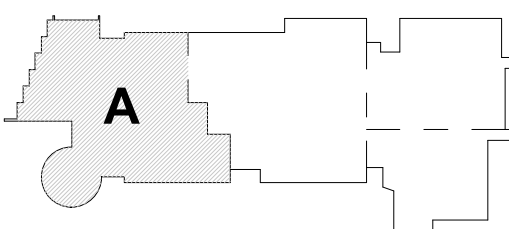
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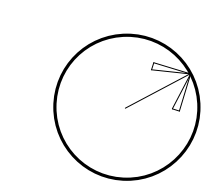
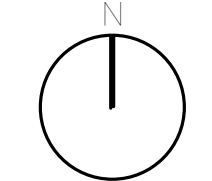
August 4th, 2022



KEY PLAN

PROJECT NORTH

MAGNETIC NORTH



**Lighting First
Floor Plan - Area
A**

Scale: As indicated

Job No.: 20202

Drawn By: AL

Date: August 4th, 2022

LT1-1-1A

- General Notes:**
- See Architectural drawings for all mounting details and corresponding specifications. Lighting fixture manufacturer to approve mounting details prior to first order.
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All public escalators with integral circulation light to deliver no less than 100 lux across each head. See escalator manufacturer detail drawings.

All public elevators with integral circulation light to deliver no less than 100 lux across floor of cab. See elevator manufacturer detail drawings.

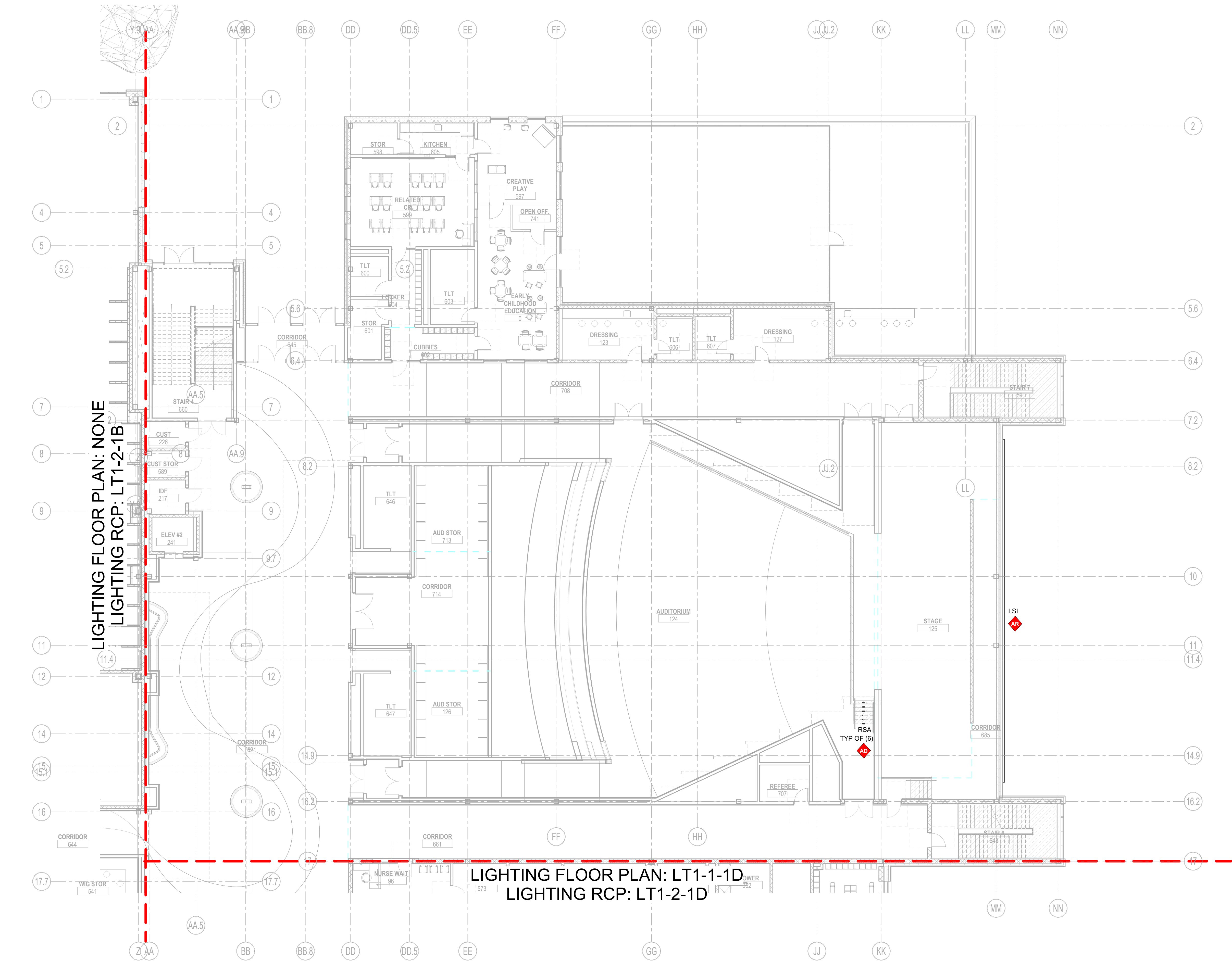
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Notes:

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- AD 1.77" Diameter Surface Mounted Step Light fixture mounted to stair riser. (Type RSA)
- AR 2.18" H x 4.518" Wide surface-mounted linear fixture mounted to 6" wall arm mount. (Type LSI)



1 Level 1 - Area C
3/32" = 1'-0"



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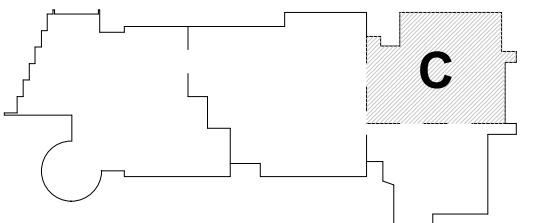
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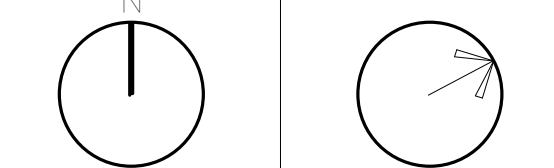
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August 4th, 2022



KEY PLAN

PROJECT NORTH MAGNETIC NORTH



**Lighting First
Floor Plan - Area
C**

Scale: As indicated
Job No.: 20202
Drawn By: AL
Date: August 4th, 2022

LT1-1-1C

See Architectural drawings for all mounting details and corresponding specifications. Light fixture manufacturer to approve mounting details prior to final order.

Contractor to verify that all lighting is installed in accordance with applicable codes and regulations for all applicable national and local codes, ordinances, regulations and jurisdictions prior to final equipment.

Do not scale electrical drawing for exact location of the lighting fixtures. In general, the architectural reflected index plans indicate the proper location of lighting fixtures.

Written directions on drawing shall be followed. Contractor shall coordinate with the manufacturer to verify and be responsible for all dimensions and conditions on the job and shall coordinate with the manufacturer to verify and be responsible for all dimensions and conditions on the job and shall coordinate with the manufacturer to verify and be responsible for all dimensions and conditions on the job.

44" diameter schedule 40 black steel pipe shall be permanently secured to the wall such that no deflection or rotation occurs when fixtures are mounted at varying angles.

44" diameter schedule 40 black steel pipe shall be permanently secured to the wall such that no deflection or rotation occurs when fixtures are mounted at varying angles.

MC-Center and unlisted mounted light fixtures will supply all safety cables supplied by the appropriate fixture manufacturer.

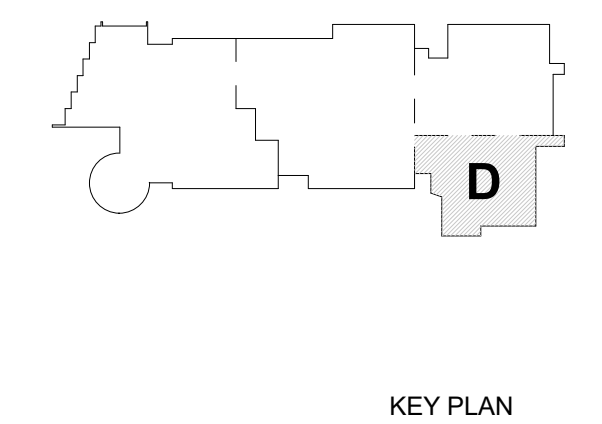
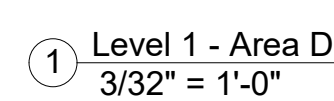
For all remote location dimmers, the electrical contractor shall provide separate neutral wires for each dimmer (i.e., no common) and shall be permanently secured to the wall such that no deflection or rotation occurs when fixtures are mounted at varying angles.

A time item price for the cost to provide and install each lighting fixture type is required.

AR 2-1/8" H x 4-5/16" Wide surface-mounted linear fixture mounted to 6" wall arm
amount. (Type LSI)

All public elevators with integral circulation light to deliver no less 100 lux across floor of cab. See elevator manufacturer detail drawings.

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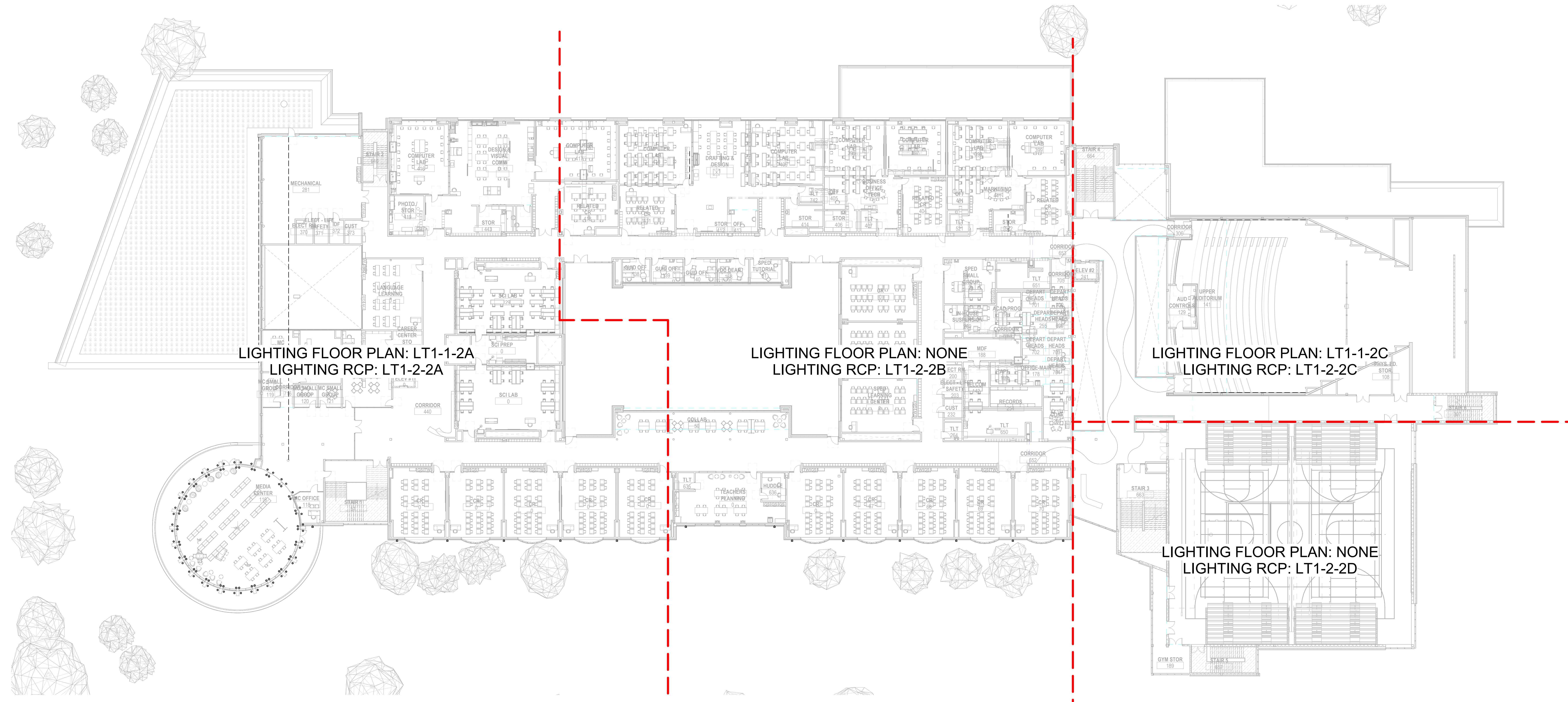
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① Level 2 Overall
1" = 20'-0"

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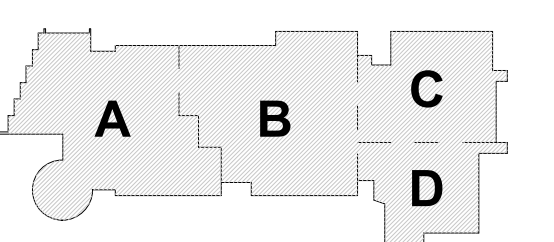
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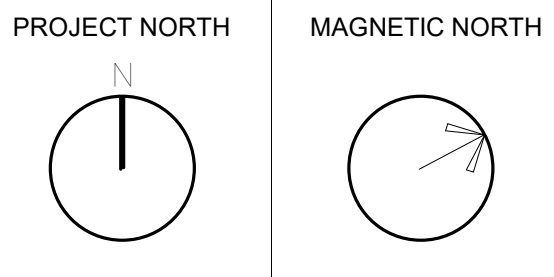
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MSBA Design
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Submission

August 4th, 2022



KEY PLAN



**Lighting Overall
Second Floor
Plan**

Scale: As indicated
Job No.: 20202
Drawn By: AL
Date: August 4th, 2022

LT1-1-2

See Architectural drawings for all mounting details and corresponding specifications. Light fixture manufacturers to approve mounting details prior to final order.

Contractor to verify that all lighting is installed in accordance with applicable local, state and federal codes, ordinances, regulations and jurisdictions prior to final order.

Do not scale electrical drawing for exact location of the lighting fixtures. In general, the architectural reflected index plans indicate the proper location of lighting fixtures.

Written directions on drawing shall be followed. Contractor shall be responsible for the location and manufacturers shall verify and be responsible for all dimensions and conditions on the job and shall be responsible for lighting layout and design. Contractor shall be responsible for lighting layout and design.

All 40mm schedule 40 black steel pipe must be permanently secured such that no deflection or rotation occurs when fixtures are mounted at varying angles.

All C-clamp and unmounted light fixtures will require safety cables supplied by the appropriate fixture manufacturer.

For all remote location directions, the electrical contractor shall provide separate nomenclature for each direction (i.e., no common directions).

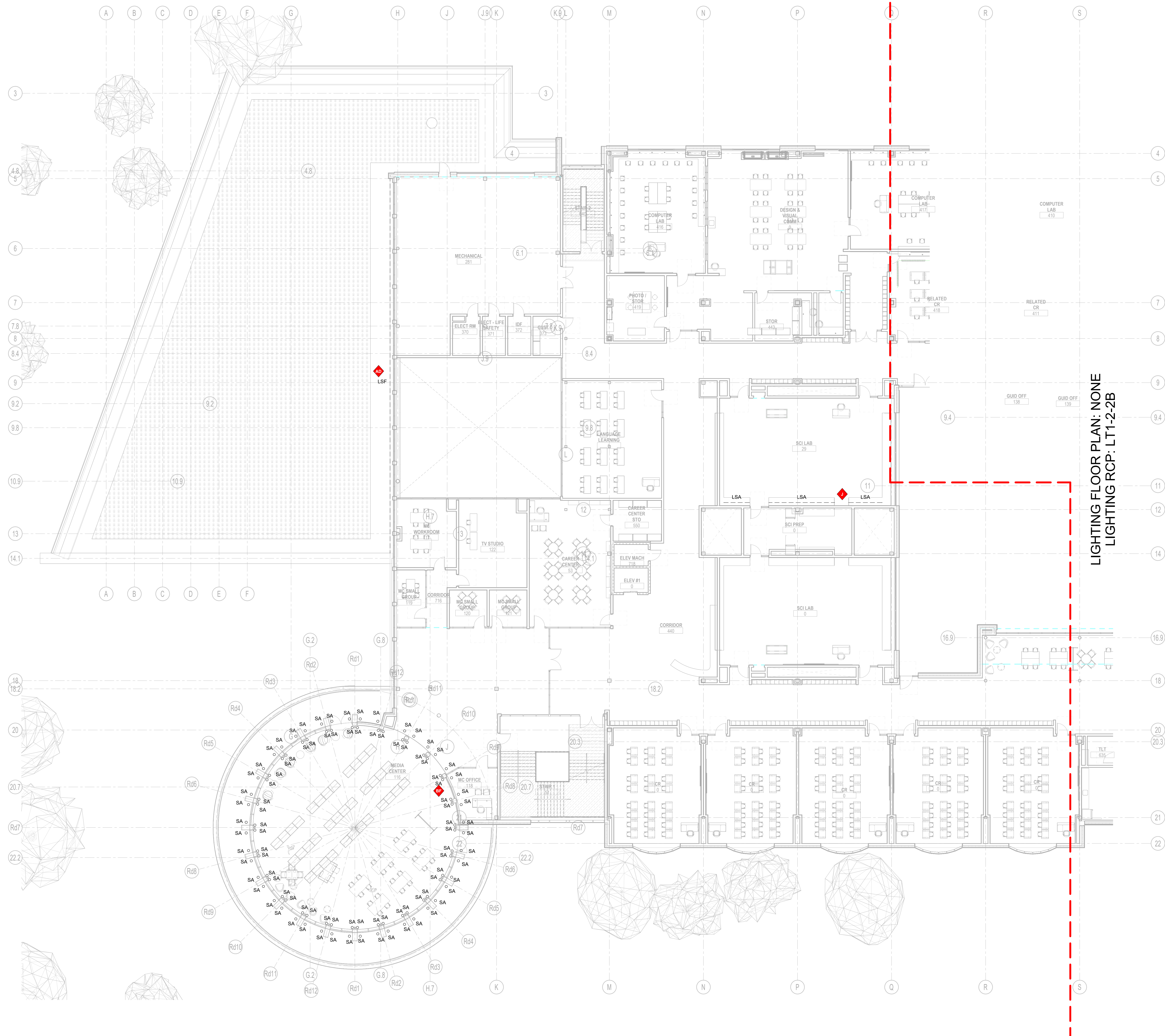
A time item price for the cost to provide and install each lighting fixture type is required.

XX Lettered notes for this sheet only XX	
AD	2.14" Tall by 1.64" Wide linear fixture (Type LSF). Typical.
BF	8" Diameter by 6.58" Deep in-grade fixture with wall/wash optic (Type SA). Typical.
J	1" Wide linear LED fixture mounted underneath cabinets (Type LSA). Typical.

All public elevators with integral circulation light to deliver no less 100 lux across floor of cab. See elevator manufacturer detail drawings.

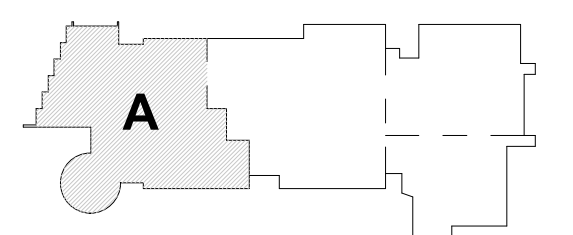
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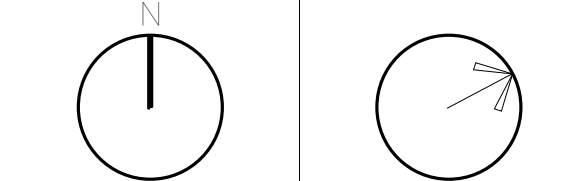
① Level 2 - Area A
 $\frac{3}{32}'' = 1'-0''$

August 4th, 2022



KEY PLAN

PROJECT NORTH	MAGNETIC NORTH
---------------	----------------



Lighting Second Floor Plan - Area A

Scale: As indicated
Job No.: 20202
Drawn By: AL
Date: August 4th, 2022

LT1-1-2A

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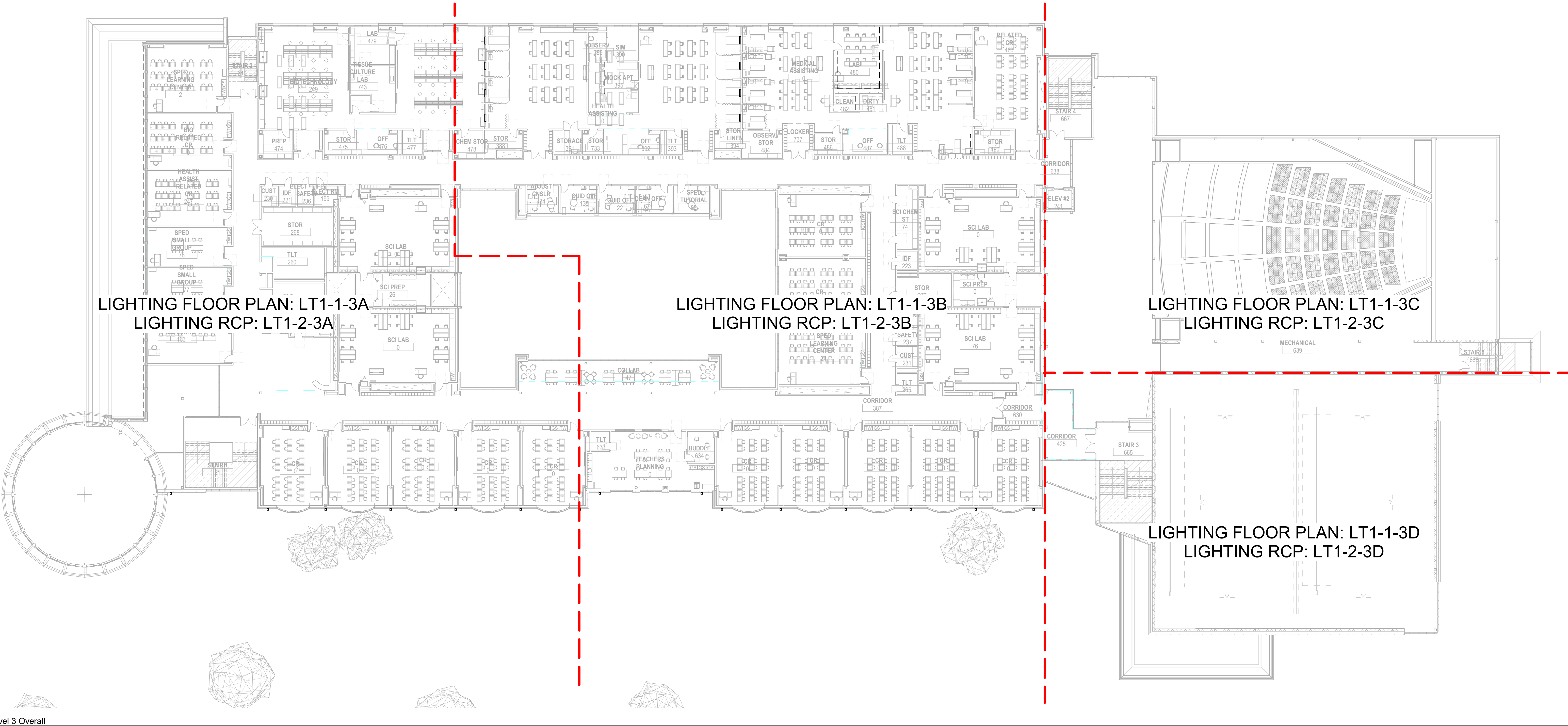
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1 Level 3 Overall
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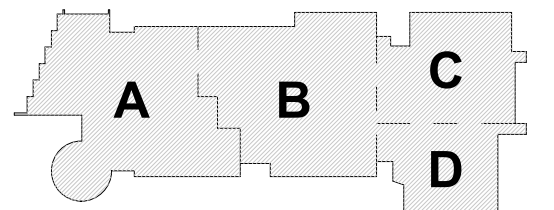
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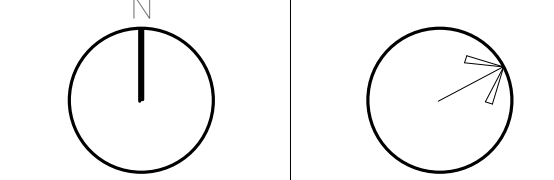
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August 4th, 2022



KEY PLAN

PROJECT NORTH
MAGNETIC NORTH



**Lighting Overall
Third Floor Plan**

Scale: As indicated
Job No.: 20202
Drawn By: AL
Date: August 4th, 2022
LT1-1-3

General Notes:

- See Architectural drawings for all mounting details and corresponding specifications. Lighting fixture manufacturer to approve mounting details prior to final order.
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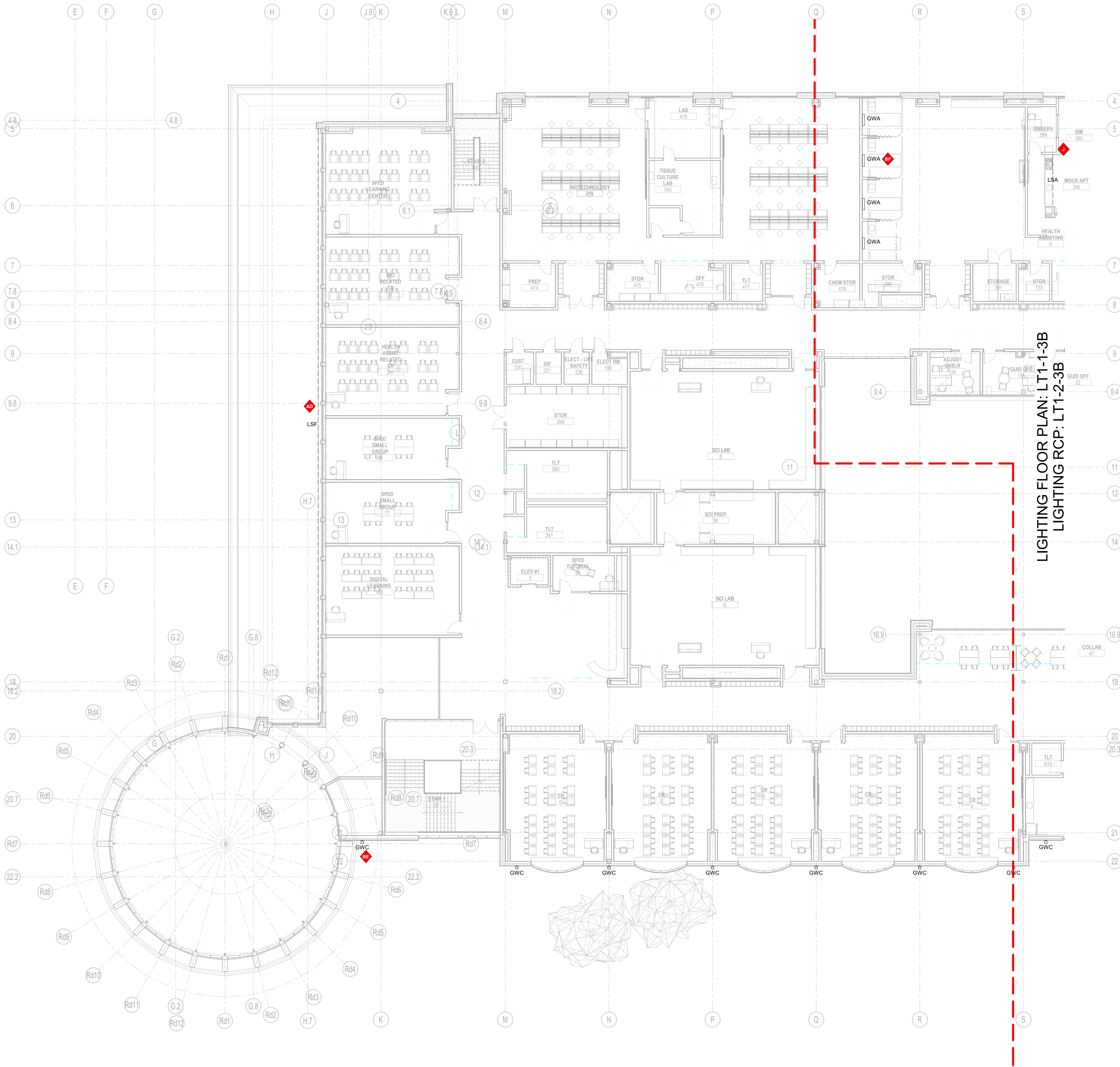
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Notes:

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AD 2.14" Tall by 1.64" Wide linear fixture (Type LSF), Typical.
BE 8'X12" Long wall mounted linear adjustable sconce (Type GWC), Typical.
BF 4' Long x 4.25" High x 6.85" D Wall mounted patient room wall light with flip-over exam light (Type GWA), Typical.
J 1" Wide linear LED fixture mounted undermesh cabinets (Type LSA), Typical.



Level 3 - Area A
3/32" = 1'-0"

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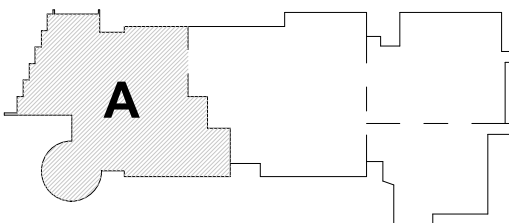
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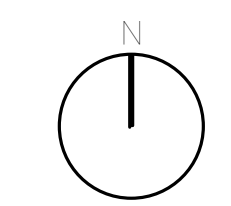
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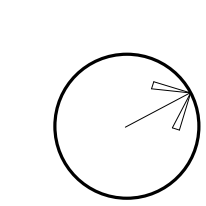


KEY PLAN

PROJECT NORTH



MAGNETIC NORTH



Lighting Third
Floor Plan - Area
A

Scale: As indicated
Job No.: 20202
Drawn By: AL
Date: August 4th, 2022

LT1-1-3A

General Notes:

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All public escalators with integral circulation light to deliver no less than 100 lux across each tread. See escalator manufacturer detail drawings.

All public elevators with integral circulation light to deliver no less than 100 lux across floor of cab. See elevator manufacturer detail drawings.

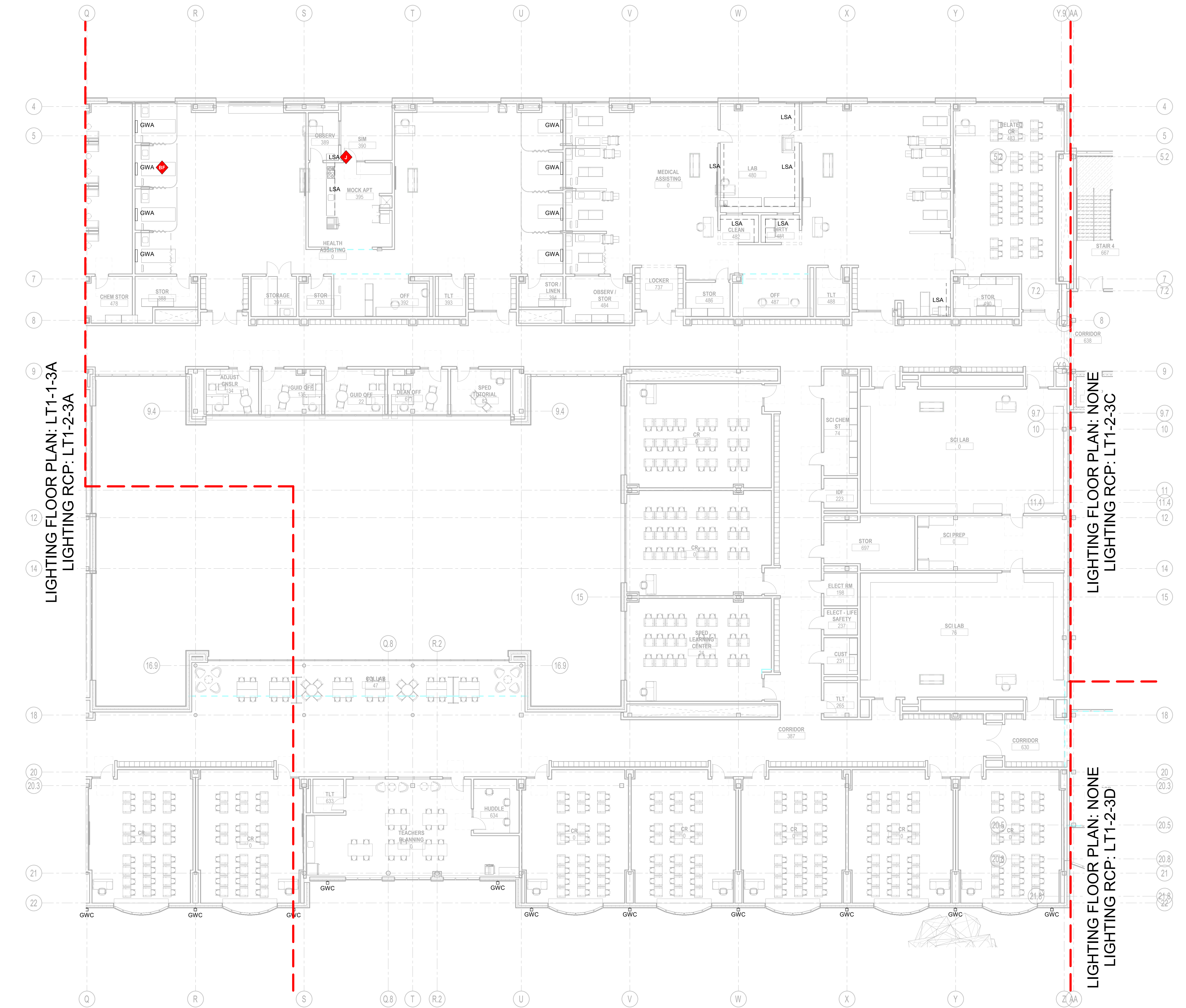
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Notes:

◆ Lettered notes for this sheet only ◆

AD 2'14" Tall by 1'64" Wide linear fixture (Type LSF), Typical.
BE 6'X12" Long wall mounted linear adjustable sconce (Type GWC), Typical.
BF 4' Long x 4.32" High x 6.88" D Wall mounted patient room wall light with flip-over exam light (Type GWA), Typical.
J 1" Wide linear LED fixture mounted underneath cabinets (Type LSA), Typical.



- General Notes:**
- See Architectural drawings for all mounting details and corresponding specifications. Lighting fixture manufacturer to approve mounting details prior to first order.
 - Contractor shall verify that all lighting equipment specified in its application on this project complies with all applicable national and local codes, ordinances, regulations and jurisdictions prior to ordering any equipment.
 - Do not scale electrical drawing for exact location of the lighting fixtures. In general, the architectural reflected ceiling plans indicate the proper location of lighting fixtures.
 - Written dimensions on drawings shall have authority over scaled measurements. Contractors and manufacturers shall verify and be responsible for all dimensions and conditions on the job and inform Available Light of all variations from drawings prior to performing the work.
 - All 40mm schedule 40 black steel pipe must be permanently secured so that no deflection or vibration occurs when fixtures are mounted at varying angles.
 - All unistrut must be permanently secured so that no deflection or rotation occurs when fixtures are mounted at varying angles.
 - All C-clamp and unistrut mounted light fixtures will employ safety cables supplied by the appropriate fixture manufacturer.
 - For all remote location dimmers, the electrical contractor shall provide separate neutrals for each dimming circuit (i.e. no common neutrals).
 - A line item price for the cost to provide and install each lighting fixture type is required.

All public elevators with integral circulation light to deliver no less than 100 lux across each head. See escalator manufacturer detail drawings.

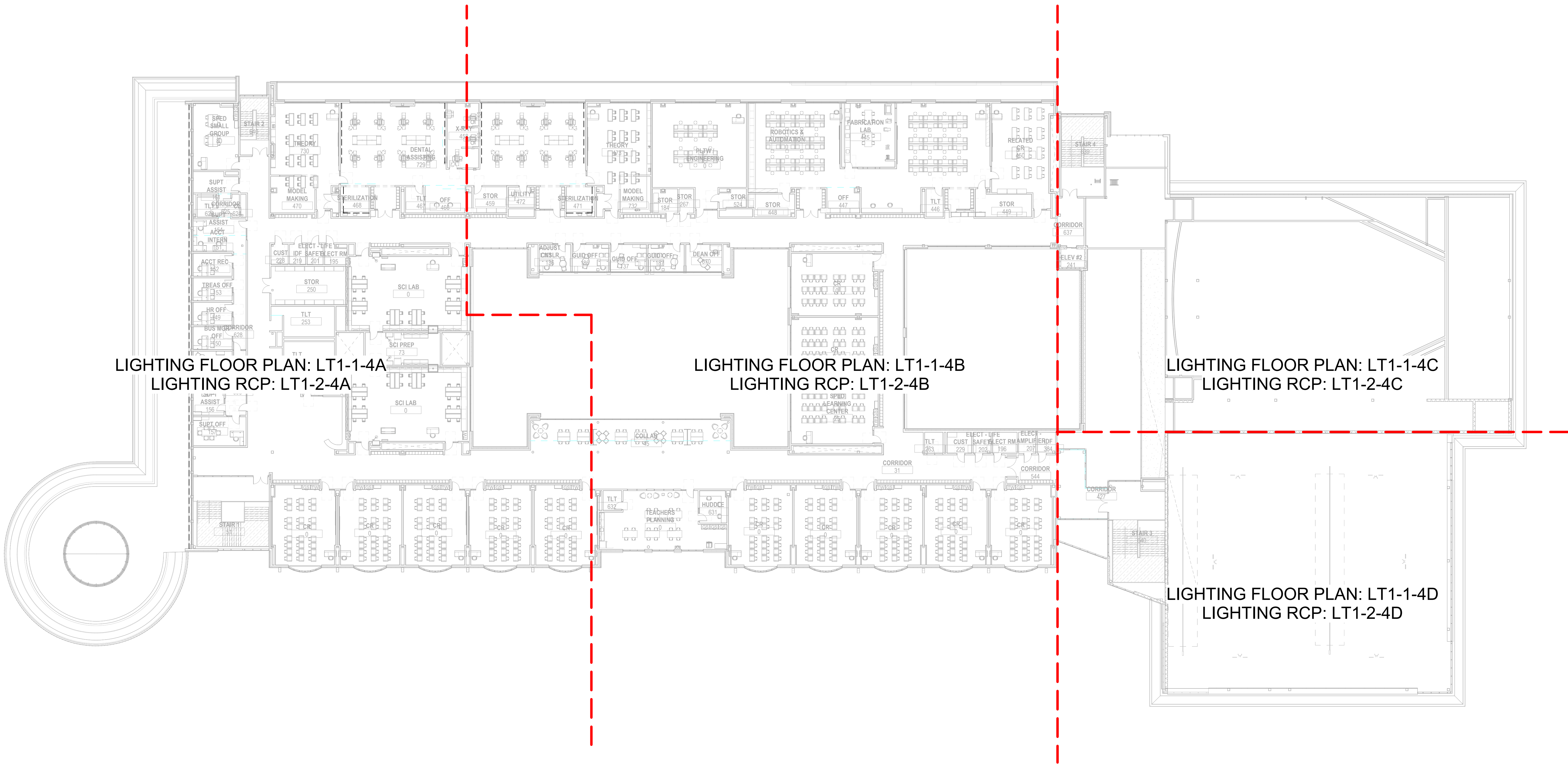
All public elevators with integral circulation light to deliver no less than 100 lux across floor of cab. See elevator manufacturer detail drawings.

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Notes:

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1 Level 4 Overall
1" = 20'-0"



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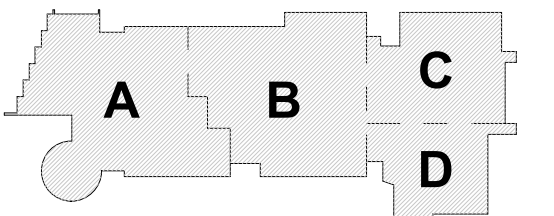
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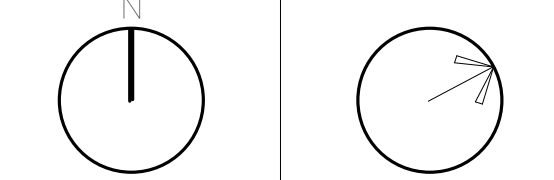
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Submission

August 4th, 2022



KEY PLAN

PROJECT NORTH MAGNETIC NORTH



**Lighting Overall
Fourth Floor Plan**

Scale: As indicated
Job No.: 20202
Drawn By: AL
Date: August 4th, 2022

LT1-1-4

See Architectural drawings for all mounting details and corresponding specifications. Light fixture manufacturers to approve mounting details prior to final order.

Contractor to verify that all lighting is installed in accordance with applicable local, state and federal codes, ordinances, regulations and jurisdictions prior to final order.

Do not scale electrical drawing for exact location of the lighting fixtures. In general, the architectural reflected index plans indicate the proper location of lighting fixtures.

Written directions on drawing shall specify the location of lighting fixtures. Contractor and manufacturers shall verify and be responsible for all dimensions and conditions on the job and shall coordinate lighting layout with other trades to avoid conflicts.

All 40mm schedule 40 black steel pipe must be permanently secured such that no deflection or rotation occurs when fixtures are mounted at varying angles.

All C-clamp and unslotted mounted light fixtures will employ safety cables supplied by the appropriate fixture manufacturer.

For all remote location dimmers, the electrical contractor shall provide separate neutral wires for each dimmer circuit (i.e. no common) and shall be permanently secured.

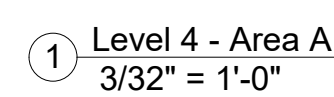
A time item price for the cost to provide and install each lighting fixture type is required.

xx Lettered notes for this sheet only xx

AD	2.14" Tall by 1.64" Wide linear fixture (Type LSF). Typical.
J	1" Wide linear LED fixture mounted underneath cabinets (Type LSA). Typical.

All public elevators with integral circulation light to deliver no less 100 lux across floor of cab. See elevator manufacturer detail drawings.

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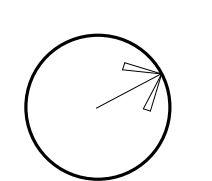
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August 4th, 2022



MAGNETIC NORTH



LT1-1-4A

- General Notes:**
- See Architectural drawings for all mounting details and corresponding specifications. Lighting fixture manufacturer to approve mounting details prior to first order.
 - Contractor shall verify that all lighting equipment specified in its application on this project complies with all applicable national and local codes, ordinances, regulations and jurisdictions prior to ordering any equipment.
 - Do not scale electrical drawing for exact location of the lighting fixtures. In general, the architectural reflected ceiling plans indicate the proper location of lighting fixtures.
 - Written dimensions on drawings shall have authority over scaled measurements. Contractors and manufacturers shall verify and be responsible for all dimensions and conditions on the job and inform Available Light of all variations from drawings prior to performing the work.
 - All 40mm schedule 40 black steel pipe must be permanently secured so that no deflection or vibration occurs when fixtures are mounted at varying angles.
 - All unistrut must be permanently secured so that no deflection or rotation occurs when fixtures are mounted at varying angles.
 - All C-clamp and unistrut mounted light fixtures will employ safety cables supplied by the appropriate fixture manufacturer.
 - For all remote location dimmers, the electrical contractor shall provide separate neutrals for each dimming circuit (i.e. no common neutrals).
 - A line item price for the cost to provide and install each lighting fixture type is required.

All public escalators with integral circulation light to deliver no less than 100 lux across each tread. See escalator manufacturer detail drawings.

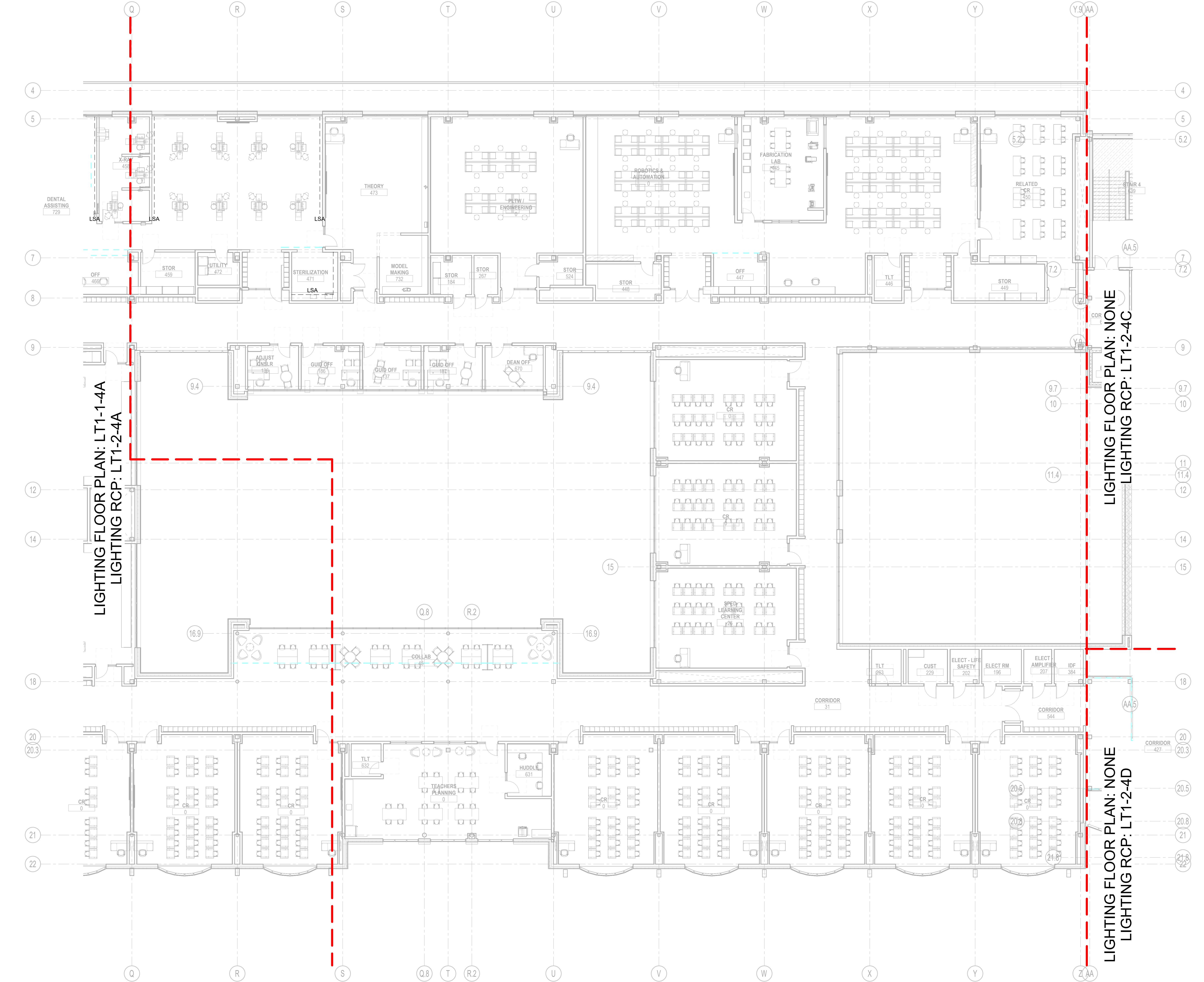
All public elevators with integral circulation light to deliver no less than 100 lux across floor of cab. See elevator manufacturer detail drawings.

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Notes:

◆ Lettered notes for this sheet only ◆



1 Level 4 - Area B
3/32" = 1'-0"

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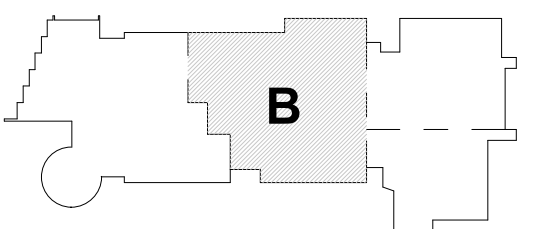
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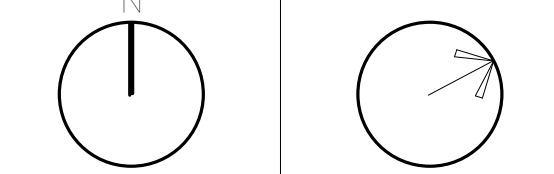
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August 4th, 2022



KEY PLAN

PROJECT NORTH MAGNETIC NORTH



**Lighting Fourth
Floor Plan - Area
B**

Scale: As indicated
Job No.: 20202
Drawn By: AL
Date: August 4th, 2022

LT1-1-4B

See Architectural drawings for all mounting details and corresponding specifications. Light fixture manufacturer to approve mounting details prior to final order.

Contractor to verify that all lighting equipment is installed in accordance with applicable codes and regulations, and shall comply with all applicable national and local codes, ordinances, regulations and jurisdictions prior to installation of lighting equipment.

Do not scale electrical drawing for exact location of the lighting fixtures. In general, the architectural reflected index plans indicate the proper location of lighting fixtures.

Written directions on drawing shall specify the location of each lighting fixture. Contractor and manufacturer shall verify and be responsible for all dimensions and conditions on the job and shall coordinate lighting layout with other trades to avoid conflicts or obstructions.

All 40mm schedule where 40 steel pipe size must be permanently secured such that no deflection or rotation occurs when fixtures are mounted at varying angles.

All ductwork must be permanently secured so that no deflection or rotation occurs when fixtures are mounted at varying angles.

All C-clamp and unslotted mounted light fixtures will supply safety cables supplied by the appropriate fixture manufacturer.

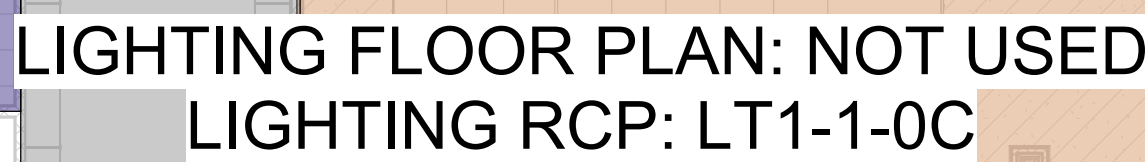
For remote location domains, the electrical contractor shall provide separate runways for each domain (i.e., no common conduit).

A time item price for the cost to provide and install each lighting fixture type is required.

All public elevators with integral circulation light to deliver no less 100 lux across floor of cab. See elevator manufacturer detail drawings.

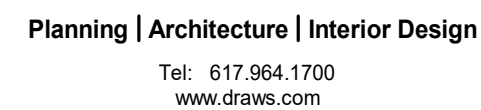
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XX Lettered notes for this sheet only



LIGHTING FLOOR PLAN: NOT USED
LIGHTING RCP: LT1-1-0D

	Typical Shop-See Drawing LT3-1-2-1
	Typical Office-See Drawing LT3-1-6-2
	Typical Auto Shop-See Drawing LT3-1-1-0
	Typical Corridor-See Drawing LT3-1-11-2
	Typical Classroom-See Drawing LT3-1-3-2
	Typical Computer Lab-See Drawing LT3-1-5-2
	Typical Small Group-See Drawing LT3-1-10-2
	Typical Science Lab-See Drawing LT3-1-7-2
	Typical Teachers Planning-See Drawing LT3-1-4-2
	Typical Collab-See Drawing LT3-1-12-2
	Typical Toilets-See Drawing LT3-1-8-2 & LT3-1-9-2
	Typical Classroom Storage-See Drawing LT3-1-3-2
	Typical Shop Meeting, Shop Storage, and Classroom-See Drawing LT3-1-2-1
	Typical Stair-See Drawing LT3-1-9-2
	See Electrical Engineer's Drawings



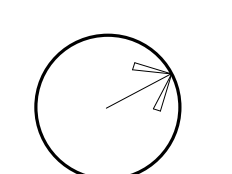
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August 4th, 2022



MAGNETIC NORTH



LT1-2-0

General Notes:

- See Architectural drawings for all mounting details and corresponding specifications. Lighting fixture manufacturer to approve mounting details prior to final order.
- Contractor shall verify that all lighting equipment specified in its application on this project complies with all applicable national and local codes, ordinances, regulations and jurisdictions prior to ordering any equipment.
- Do not scale electrical drawing for exact location of the lighting fixtures. In general, the architectural reflected ceiling plans indicate the proper location of lighting fixtures.
- Written dimensions on drawings shall have authority over scaled measurements. Contractors and manufacturers shall verify and be responsible for all dimensions and conditions on the job and inform Available Light of all variations from drawings prior to performing the work.
- All 40mm schedule 40 black steel pipe must be permanently secured so that no deflection or vibration occurs when fixtures are mounted at varying angles.
- All unistrut must be permanently secured so that no deflection or rotation occurs when fixtures are mounted at varying angles.
- All C-clamp and unistrut mounted light fixtures will employ safety cables supplied by the appropriate fixture manufacturer.
- For all remote location dimmers, the electrical contractor shall provide separate neutrals for each dimming circuit (i.e. no common neutrals).
- A line item price for the cost to provide and install each lighting fixture type is required.

All public elevators with integral circulation light to deliver no less than 100 lux across each head. See escalator manufacturer detail drawings.

All public elevators with integral circulation light to deliver no less than 100 lux across floor of cab. See elevator manufacturer detail drawings.

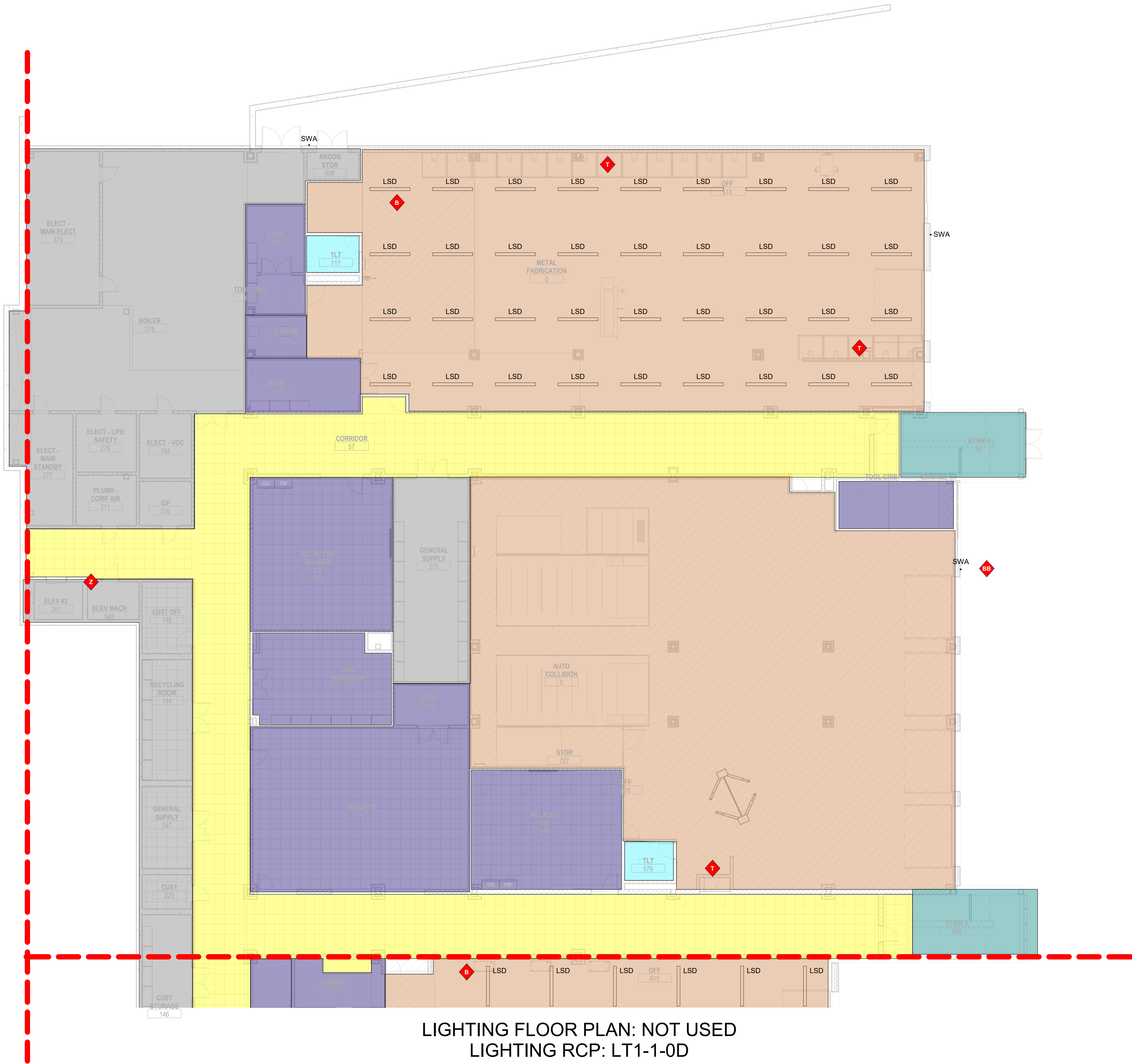
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Notes:

◆ Lettered notes for this sheet only ◆

B 7.38" W x 5" H x 8" L surface mount linear fixture (Type LSD). Typical.
BB 6" Tall by 12" Wide mounted LED accent fixture (Type SWA). Typical.
T Provide task lighting in each booth (Type LSH). Typical.
Z Elevator Cab Lighting by Elevator Cab Vendor. Cab Lighting should be 3000k and 15 CRI min.



LIGHTING FLOOR PLAN: NOT USED
LIGHTING RCP: LT1-1-0D

1 Lower Level - Area C
3/32" = 1'-0"

Color Key:

Typical Shop-See Drawing LT3-1-2-1

Typical Office-See Drawing LT3-1-6-2

Typical Auto Shop-See Drawing LT3-1-1-0

Typical Corridor-See Drawing LT3-1-11-2

Typical Classroom-See Drawing LT3-1-3-2

Typical Computer Lab-See Drawing LT3-1-5-2

Typical Small Group-See Drawing LT3-1-10-2

Typical Science Lab-See Drawing LT3-1-7-2

Typical Teachers Planning-See Drawing LT3-1-4-2

Typical Collab-See Drawing LT3-1-12-2

Typical Toilets-See Drawing LT3-1-8-2 & LT3-1-9-2

Typical Classroom Storage-See Drawing LT3-1-3-2

Typical Shop Meeting, Shop Storage, and Classroom-See Drawing LT3-1-2-1

Typical Stair-See Drawing LT3-1-9-2

See Electrical Engineer's Drawings

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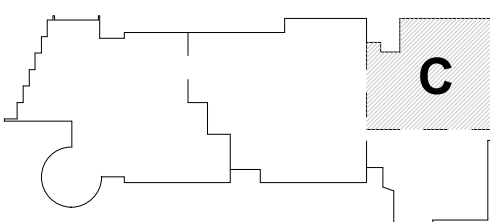
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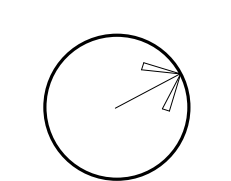
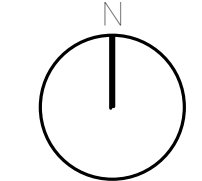
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KEY PLAN

PROJECT NORTH

MAGNETIC NORTH



Lighting Lower
Level Reflected
Ceiling Plan -
Area C

Scale: As indicated

Job No.: 20202

Drawn By: AL

Date: August 4th, 2022

LT1-2-0C

General Notes:

- See Architectural drawings for all mounting details and corresponding specifications. Lighting fixture manufacturer to approve mounting details prior to first order.
- Contractor shall verify that all lighting equipment specified, in its application on this project, complies with all applicable national and local codes, ordinances, regulations and jurisdictions prior to ordering any equipment.
- Do not scale electrical drawing for exact location of the lighting fixtures. In general, the architectural reflected ceiling plans indicate the proper location of lighting fixtures.
- Written dimensions on drawings shall have authority over scaled measurements. Contractors and manufacturers shall verify and be responsible for all dimensions and conditions on the job and inform Available Light of all variations from drawings prior to performing the work.
- All 40mm schedule 40 black steel pipe must be permanently secured so that no deflection or rotation occurs when fixtures are mounted at varying angles.
- All unistrut must be permanently secured so that no deflection or rotation occurs when fixtures are mounted at varying angles.
- All C-clamp and unistrut mounted light fixtures will employ safety cables supplied by the appropriate fixture manufacturer.
- For all remote location dimmers, the electrical contractor shall provide separate neutrals for each dimming circuit (i.e. no common neutrals).
- A line item price for the cost to provide and install each lighting fixture type is required.

All public elevators with integral circulation light to deliver no less than 100 lux across each head. See escalator manufacturer detail drawings.

All public elevators with integral circulation light to deliver no less than 100 lux across floor of cab. See elevator manufacturer detail drawings.

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Notes:

◆ Lettered notes for this sheet only ◆

B 7 3/8" W x 5" H x 8' L surface mount linear fixture (Type LSD). Typical.
C 6 5/8" W x 4 1/2" H x 4' surface-mounted low profile linear fixture (Type LSG). Typical.
S 2x2" Recessed troffer mounted in A/C ceiling. (Type RA) Typical.

Color Key:

- Typical Shop-See Drawing LT3-1-2-1
- Typical Office-See Drawing LT3-1-6-2
- Typical Auto Shop-See Drawing LT3-1-1-0
- Typical Corridor-See Drawing LT3-1-11-2
- Typical Classroom-See Drawing LT3-1-3-2
- Typical Computer Lab-See Drawing LT3-1-5-2
- Typical Small Group-See Drawing LT3-1-10-2
- Typical Science Lab-See Drawing LT3-1-7-2
- Typical Teachers Planning-See Drawing LT3-1-4-2
- Typical Collab-See Drawing LT3-1-12-2
- Typical Toilets-See Drawing LT3-1-8-2 & LT3-1-9-2
- Typical Classroom Storage-See Drawing LT3-1-3-2
- Typical Shop Meeting, Shop Storage, and Classroom-See Drawing LT3-1-2-1
- Typical Stair-See Drawing LT3-1-9-2
- See Electrical Engineer's Drawings



① Lower Level - Area D
3/32" = 1'-0"



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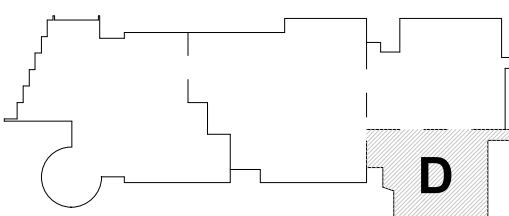
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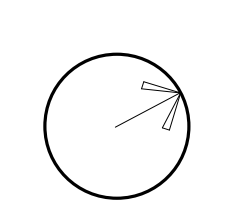
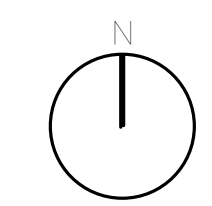
August 4th, 2022



KEY PLAN

PROJECT NORTH

MAGNETIC NORTH



**Lighting Lower
Level Reflected
Ceiling Plan -
Area D**

Scale: As indicated

Job No.: 20202

Drawn By: AL

Date: August 4th, 2022

LT1-2-0D

- General Notes:**
- See Architectural drawings for all mounting details and corresponding specifications. Lighting fixture manufacturer to approve mounting details prior to first order.
 - Contractor shall verify that all lighting equipment specified in its application on this project complies with all applicable national and local codes, ordinances, regulations and jurisdictions prior to ordering any equipment.
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 - All unistrut must be permanently secured so that no deflection or rotation occurs when fixtures are mounted at varying angles.
 - All C-clamp and unistrut mounted light fixtures will employ safety cables supplied by the appropriate fixture manufacturer.
 - For all remote location dimmers, the electrical contractor shall provide separate neutrals for each dimming circuit (i.e. no common neutrals).
 - A line item price for the cost to provide and install each lighting fixture type is required.

All public elevators with integral circulation light to deliver no less than 100 lux across each head. See escalator manufacturer detail drawings.

All public elevators with integral circulation light to deliver no less than 100 lux across floor of cab. See elevator manufacturer detail drawings.

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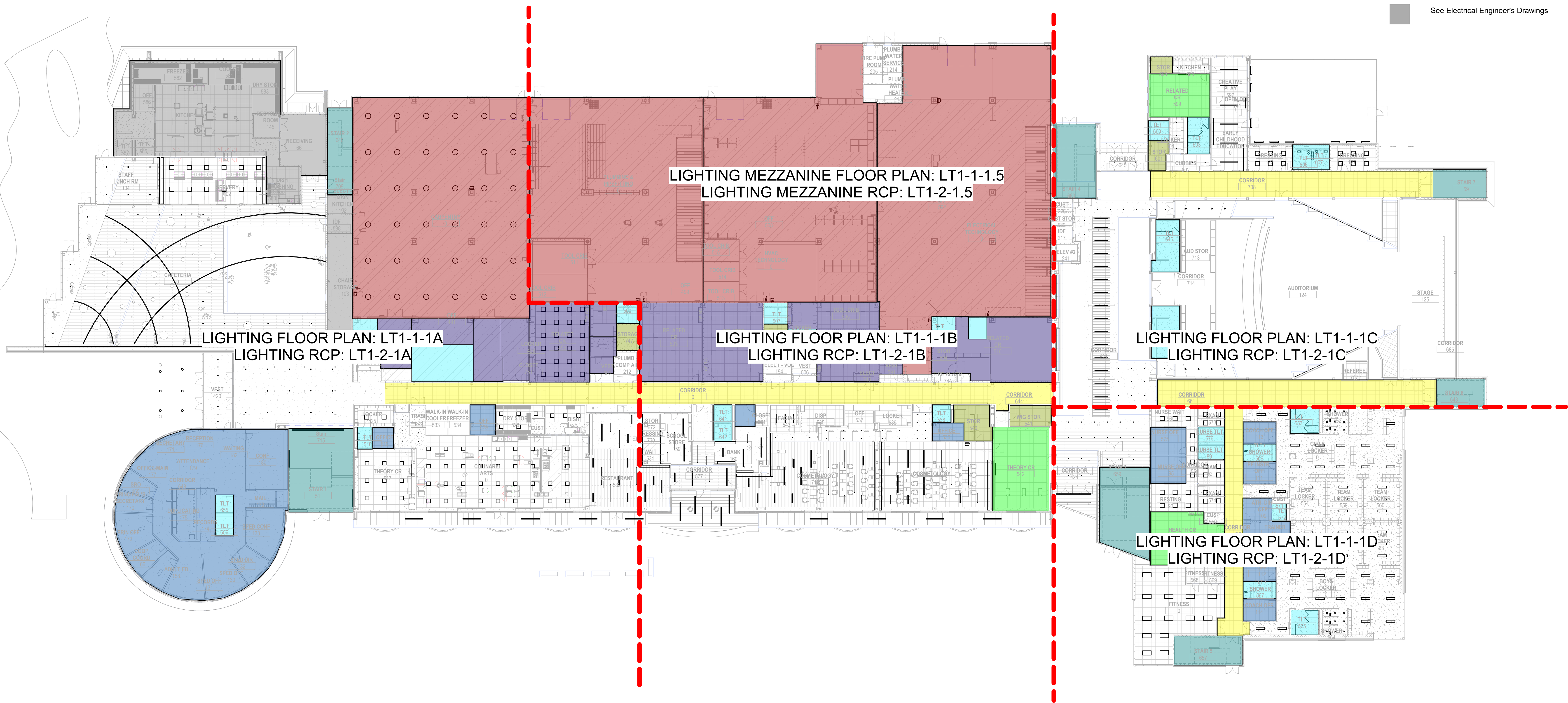
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Notes:

◆ Lettered notes for this sheet only ◆

Color Key:

- Typical Shop-See Drawing LT3-1-2-1
- Typical Office-See Drawing LT3-1-6-2
- Typical Auto Shop-See Drawing LT3-1-1-0
- Typical Corridor-See Drawing LT3-1-11-2
- Typical Classroom-See Drawing LT3-1-3-2
- Typical Computer Lab-See Drawing LT3-1-5-2
- Typical Small Group-See Drawing LT3-1-10-2
- Typical Science Lab-See Drawing LT3-1-7-2
- Typical Teachers Planning-See Drawing LT3-1-4-2
- Typical Collab-See Drawing LT3-1-12-2
- Typical Toilets-See Drawing LT3-1-8-2 & LT3-1-9-2
- Typical Classroom Storage-See Drawing LT3-1-3-2
- Typical Shop Meeting, Shop Storage, and Classroom-See Drawing LT3-1-2-1
- Typical Stair-See Drawing LT3-1-9-2
- See Electrical Engineer's Drawings



1 First Floor Overall
1" = 20'-0"

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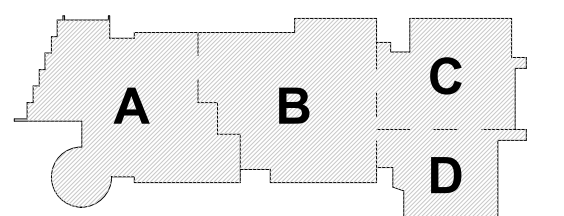
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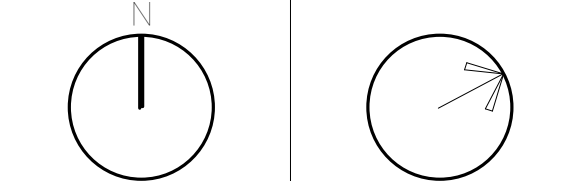
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August 4th, 2022



KEY PLAN

PROJECT NORTH MAGNETIC NORTH



**Lighting Overall
First Floor
Reflected Ceiling
Plan**

Scale: As indicated
Job No.: 20202
Drawn By: AL
Date: August 4th, 2022

LT1-2-1

See Architectural drawings for all mounting details and corresponding specifications. Lighting fixture manufacturers to approve mounting details prior to final order.

Contractor verify that all lighting fixtures are approved for application in this project, complies with all applicable national and local codes, ordinances, regulations and jurisdictions prior to installation.

Do not install electrical hardware for exact location of the lighting fixtures. In general, the architectural reflected ceiling plan indicates the proper location of lighting fixtures.

Contractors to provide mounting hardware and mounting details. Contractors and manufacturers shall verify and be responsible for all dimensions and conditions on the job and to provide the right of all mounting hardware and mounting details.

All 4'x6" schedule 40 black steel pipe must be permanently secured so that no deflection or rotation occurs when fixtures are mounted or varying angles.

The pipe must be permanently secured so that no deflection or rotation occurs when fixtures are mounted at varying angles.

All C-clip and unlisted mounted lighting fixtures will employ safety cables supplied by the respective fixture manufacturer.

For separate location dimensions, the electrical contractor shall provide separate notations for each lighting fixture.

There shall be no compromise in the quality of the lighting fixture.

A line item price for the cost to provide and install each lighting fixture type is required.

XX Lettered notes for this sheet only

AN	7 1/8" Tall by 6" Wide Recessed Linear Perimeter fixture (Type RL.G). Typical.
B	18.3" Wide x 26.1" Tall pendant mounted LED high-bay fixture
T	Provide task lighting in each booth (Type LSH). Typical.

All public elevators with integral circulation light to deliver no less 100 lux across floor of cab. See elevator manufacturer detail drawings.

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These drawings represent visual concepts and suggestions only. Please rigidly observe all local electrical, structural and safety procedures and codes. Available Light is unqualified to determine structural, electrical or safety appropriateness and will NOT assume responsibility or liability for improper engineering, construction or handling of these design concepts.

	Typical Shop-See Drawing LT3-1-2-1
	Typical Office-See Drawing LT3-1-6-2
	Typical Auto Shop-See Drawing LT3-1-1-0
	Typical Corridor-See Drawing LT3-1-11-2
	Typical Classroom-See Drawing LT3-1-3-2
	Typical Computer Lab-See Drawing LT3-1-5-2
	Typical Small Group-See Drawing LT3-1-10-2
	Typical Science Lab-See Drawing LT3-1-7-2
	Typical Teachers Planning-See Drawing LT3-1-4-2
	Typical Collab-See Drawing LT3-1-12-2
	Typical Toilets-See Drawing LT3-1-8-2 & LT3-1-9-2
	Typical Classroom Storage-See Drawing LT3-1-3-2
	Typical Shop Meeting, Shop Storage, and Classroom-See Drawing LT3-1-2-1
	Typical Stair-See Drawing LT3-1-9-2
	See Electrical Engineer's Drawings



① First Floor Shop
3/32" = 1'-0"

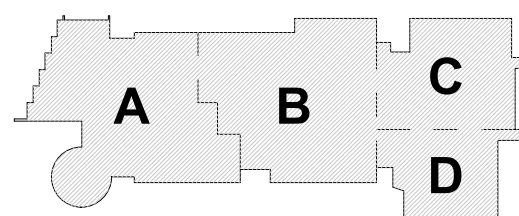
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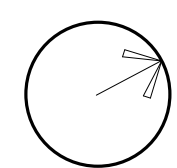
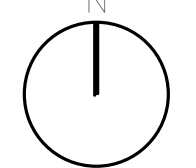
August 4th, 2022



KEY PLAN

PROJECT NORTH

MAGNETIC NORTH



Lighting First Floor Mezzanine Reflected Ceiling Plan

Scale: As indicated

00000

Drawn By: AI

Date: August 4th, 2022

LT1-2-1.5

General Notes:

- See Architectural drawings for all mounting details and corresponding specifications. Lighting fixture manufacturer to approve mounting details prior to first order.
- Contractor shall verify that all lighting equipment specified in its application on this project complies with all applicable national and local codes, ordinances, regulations and jurisdictions prior to ordering any equipment.
- Do not scale electrical drawing for exact location of the lighting fixtures. In general, the architectural reflected ceiling plans indicate the proper location of lighting fixtures.
- Written dimensions on drawings shall have authority over scaled measurements. Contractors and manufacturers shall verify and be responsible for all dimensions and conditions on the job and inform Available Light of all variations from drawings prior to performing the work.
- All 40mm schedule 40 black steel pipe must be permanently secured so that no deflection or vibration occurs when fixtures are mounted at varying angles.
- All unistrut must be permanently secured so that no deflection or rotation occurs when fixtures are mounted at varying angles.
- All C-clamp and unistrut mounted light fixtures will employ safety cables supplied by the appropriate fixture manufacturer.
- For all remote location dimmers, the electrical contractor shall provide separate neutrals for each dimming circuit (i.e. no common neutrals).
- A line item price for the cost to provide and install each lighting fixture type is required.

All public elevators with integral circulation light to deliver no less than 100 lux across each head. See escalator manufacturer detail drawings.

All public elevators with integral circulation light to deliver no less than 100 lux across floor of cab. See elevator manufacturer detail drawings.

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Notes:

◆ Lettered notes for this sheet only ◆

AA 10 5/8" Tall by 13 13/32" Wide Indirect wall-wash cove system mounted to ceiling (Type RLB). Typical.

AF 11" Diameter surface mounted round LED downlight fixture. (Type RSB). Typical.

AG 4" Diameter recessed round LED downlight fixture. (Type RL). Typical.

AN 7 1/8" Tall by 6" Wide Recessed Linear Perimeter fixture (Type RLG). Typical.

AQ Custom length and custom radii linear fixture. Fixture is pendant-mounted and transitions to surface-mount. (Type LPT). Typical.

BA 1 1/2" Tall by 4 1/2" wide wall-mounted linear direct/indirect fixture. (Type LSJ). Typical.

P 2 5/8" Tall by 27 1/2" Wide recessed food safe high-bay fixture (Type RD). Typical.

S 2x2 Recessed troffer mounted in ACT ceiling. (Type RA). Typical.

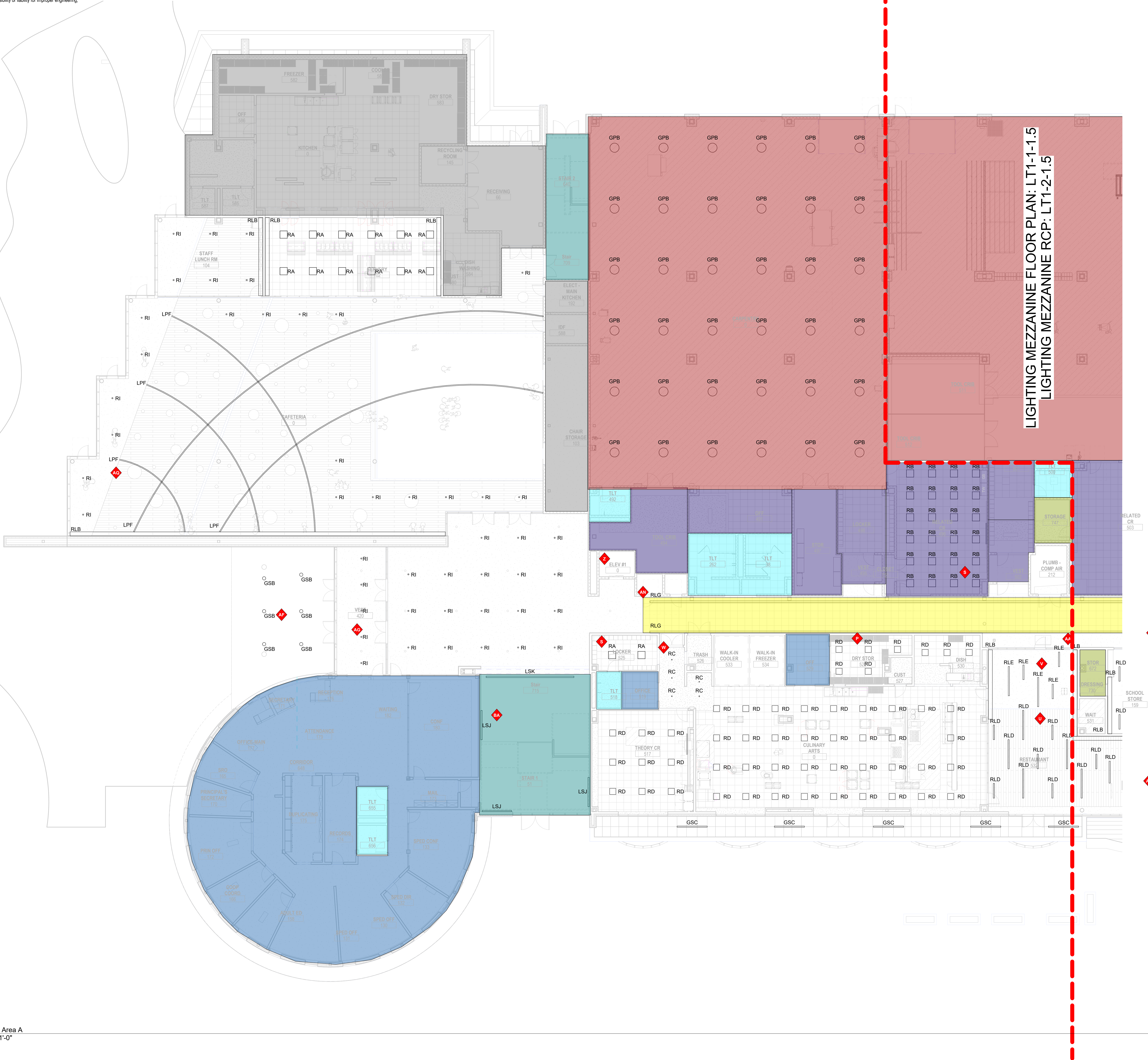
U 4" Long by 4 3/8" Tall recessed linear fixture (Type RLD). Typical.

V 4" Long by 4 3/8" Tall recessed linear fixture mounted in gyp. ceiling.

W 4" Long by 4 3/8" Tall recessed linear fixture mounted in gyp. ceiling (Type RC). Typical.

Z Elevator Cab Lighting by Elevator Cab Vendor. Cab Lighting should be 3000k and 85 CRI min.

- Color Key:**
- Typical Shop-See Drawing LT3-1-2-1
 - Typical Office-See Drawing LT3-1-6-2
 - Typical Auto Shop-See Drawing LT3-1-1-0
 - Typical Corridor-See Drawing LT3-1-11-2
 - Typical Classroom-See Drawing LT3-1-3-2
 - Typical Computer Lab-See Drawing LT3-1-5-2
 - Typical Small Group-See Drawing LT3-1-10-2
 - Typical Science Lab-See Drawing LT3-1-7-2
 - Typical Teachers Planning-See Drawing LT3-1-4-2
 - Typical Collab-See Drawing LT3-1-12-2
 - Typical Toilets-See Drawing LT3-1-8-2 & LT3-1-9-2
 - Typical Classroom Storage-See Drawing LT3-1-3-2
 - Typical Shop Meeting, Shop Storage, and Classroom-See Drawing LT3-1-2-1
 - Typical Stair-See Drawing LT3-1-4-2
 - See Electrical Engineer's Drawings



1 Level 1 - Area A
3/32" = 1'-0"

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225 Oakland Road
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South Windsor, CT
06074
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August 4th, 2022

KEY PLAN

PROJECT NORTH
MAGNETIC NORTH

Lighting First
Floor Reflected
Ceiling Plan -
Area A

Scale: As indicated
Job No.: 20202
Drawn By: AL
Date: August 4th, 2022

LT1-2-1A

- General Notes:**
- See Architectural drawings for all mounting details and corresponding specifications. Lighting fixture manufacturer to approve mounting details prior to first order.
 - Contractor shall verify that all lighting equipment specified in its application on this project complies with all applicable national and local codes, ordinances, regulations and jurisdictions prior to ordering any equipment.
 - Do not scale electrical drawing for exact location of the lighting fixtures. In general, the architectural reflected ceiling plans indicate the proper location of lighting fixtures.
 - Written dimensions on drawings shall have authority over scaled measurements. Contractors and manufacturers shall verify and be responsible for all dimensions and conditions on the job and inform Available Light of all variations from drawings prior to performing the work.
 - All 40mm schedule 40 black steel pipe must be permanently secured so that no deflection or rotation occurs when fixtures are mounted at varying angles.
 - All unistrut must be permanently secured so that no deflection or rotation occurs when fixtures are mounted at varying angles.
 - All C-clamp and unistrut mounted light fixtures will employ safety cables supplied by the appropriate fixture manufacturer.
 - For all remote location dimmers, the electrical contractor shall provide separate neutrals for each dimming circuit (i.e. no common neutrals).
 - A line item price for the cost to provide and install each lighting fixture type is required.

All public elevators with integral circulation light to deliver no less than 100 lux across each head. See escalator manufacturer detail drawings.

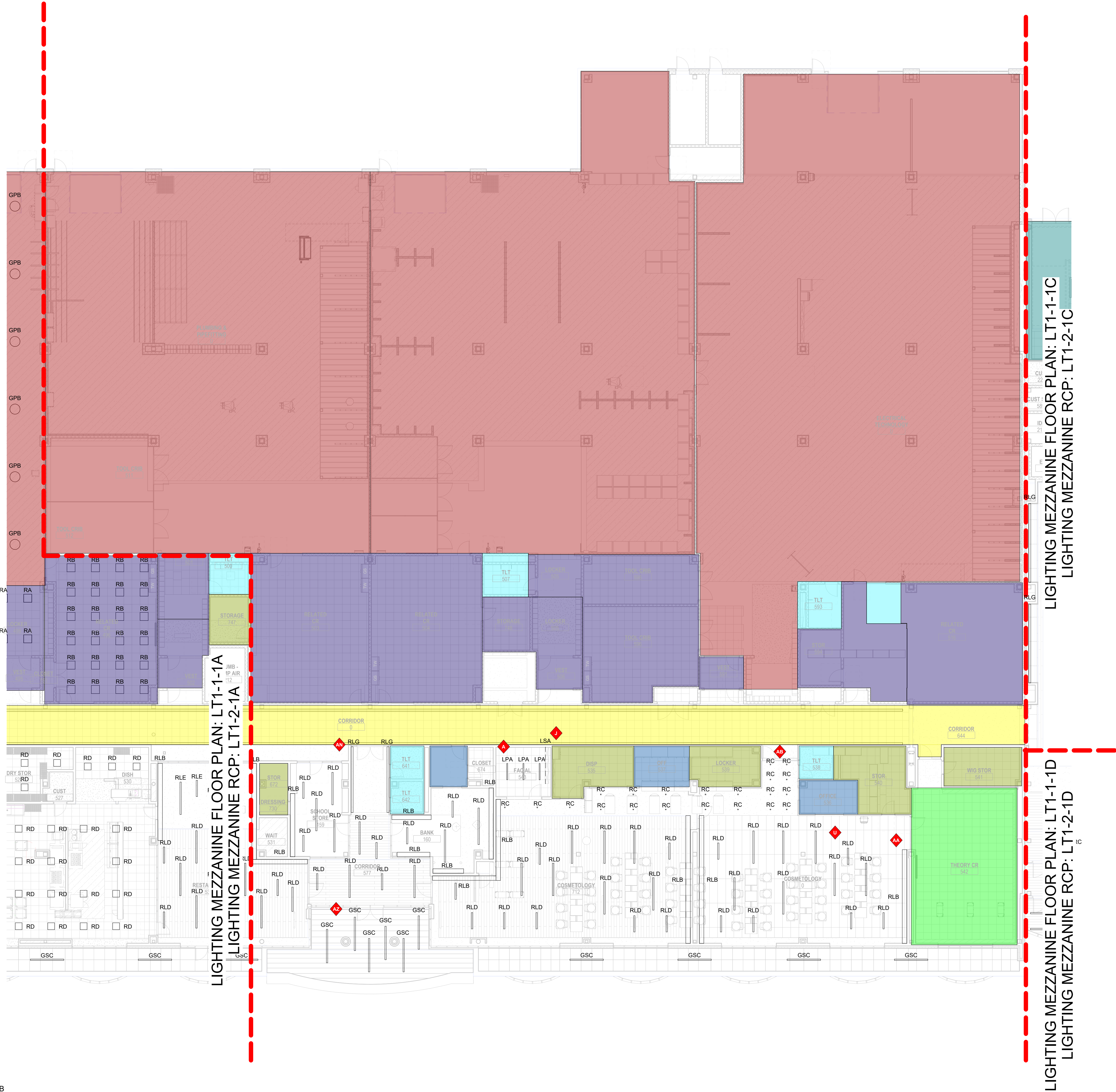
All public elevators with integral circulation light to deliver no less than 100 lux across floor of cab. See elevator manufacturer detail drawings.

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Notes:

◆	Lettered notes for this sheet only		◆
A	3.58" Tall by 3.58" Wide Pendant mounted direct indirect LED fixture (Type LPA). Typical.		
AA	10.56" Tall by 13.13" Wide Indirect wall-wash cove system mounted to ceiling (Type RLB). Typical.		
AB	2.5" by 2.5" Recessed downlight fixture (Type AB). Typical.		
AN	7.18" Tall by 6" Wide Recessed Linear Perimeter fixture (Type RLG). Typical.		
AZ	4" Aperture surface-mount wet location LED linear direct fixture attached to open ceiling (Type GSC).		
J	1" Wide linear LED fixture mounted underneath cabinets (Type LSA). Typical.		
U	4" Long by 4.38" Tall recessed linear fixture (Type RLD). Typical.		



① Level 1 - Area B
3/32" = 1'-0"

Color Key:

- Typical Shop-See Drawing LT3-1-2-1
- Typical Office-See Drawing LT3-1-6-2
- Typical Auto Shop-See Drawing LT3-1-1-0
- Typical Corridor-See Drawing LT3-1-11-2
- Typical Classroom-See Drawing LT3-1-3-2
- Typical Computer Lab-See Drawing LT3-1-5-2
- Typical Small Group-See Drawing LT3-1-10-2
- Typical Science Lab-See Drawing LT3-1-7-2
- Typical Teachers Planning-See Drawing LT3-1-4-2
- Typical Collab-See Drawing LT3-1-12-2
- Typical Toilets-See Drawing LT3-1-8-2 & LT3-1-9-2
- Typical Classroom Storage-See Drawing LT3-1-3-2
- Typical Shop Meeting, Shop Storage, and Classroom-See Drawing LT3-1-2-1
- Typical Stair-See Drawing LT3-1-9-2
- See Electrical Engineer's Drawings

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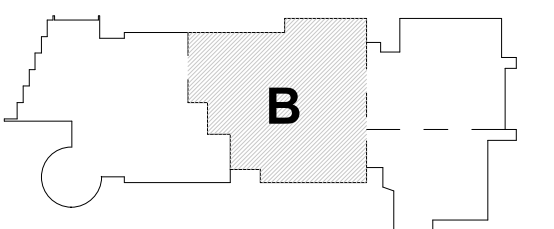
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August 4th, 2022



PROJECT NORTH
MAGNETIC NORTH

**Lighting First
Floor Reflected
Ceiling Plan -
Area B**

Scale: As indicated
Job No.: 20202
Drawn By: AL
Date: August 4th, 2022

LT1-2-1B

General Notes:

- See Architectural drawings for all mounting details and corresponding specifications. Lighting fixture manufacturer to approve mounting details prior to first order.
- Contractor shall verify that all lighting equipment specified in its application on this project complies with all applicable national and local codes, ordinances, regulations and jurisdictions prior to ordering any equipment.
- Do not scale electrical drawing for exact location of the lighting fixtures. In general, the architectural reflected ceiling plans indicate the proper location of lighting fixtures.
- Written dimensions on drawings shall have authority over scaled measurements. Contractors and manufacturers shall verify and be responsible for all dimensions and conditions on the job and inform Available Light of all variations from drawings prior to performing the work.
- All 40mm schedule 40 black steel pipe must be permanently secured so that no deflection or vibration occurs when fixtures are mounted at varying angles.
- All unistrut must be permanently secured so that no deflection or rotation occurs when fixtures are mounted at varying angles.
- All C-clamp and unistrut mounted light fixtures will employ safety cables supplied by the appropriate fixture manufacturer.
- For all remote location dimmers, the electrical contractor shall provide separate neutrals for each dimming circuit (i.e. no common neutrals).
- A line item price for the cost to provide and install each lighting fixture type is required.

All public elevators with integral circulation light to deliver no less than 100 lux across each head. See escalator manufacturer detail drawings.

All public elevators with integral circulation light to deliver no less than 100 lux across floor of cab. See elevator manufacturer detail drawings.

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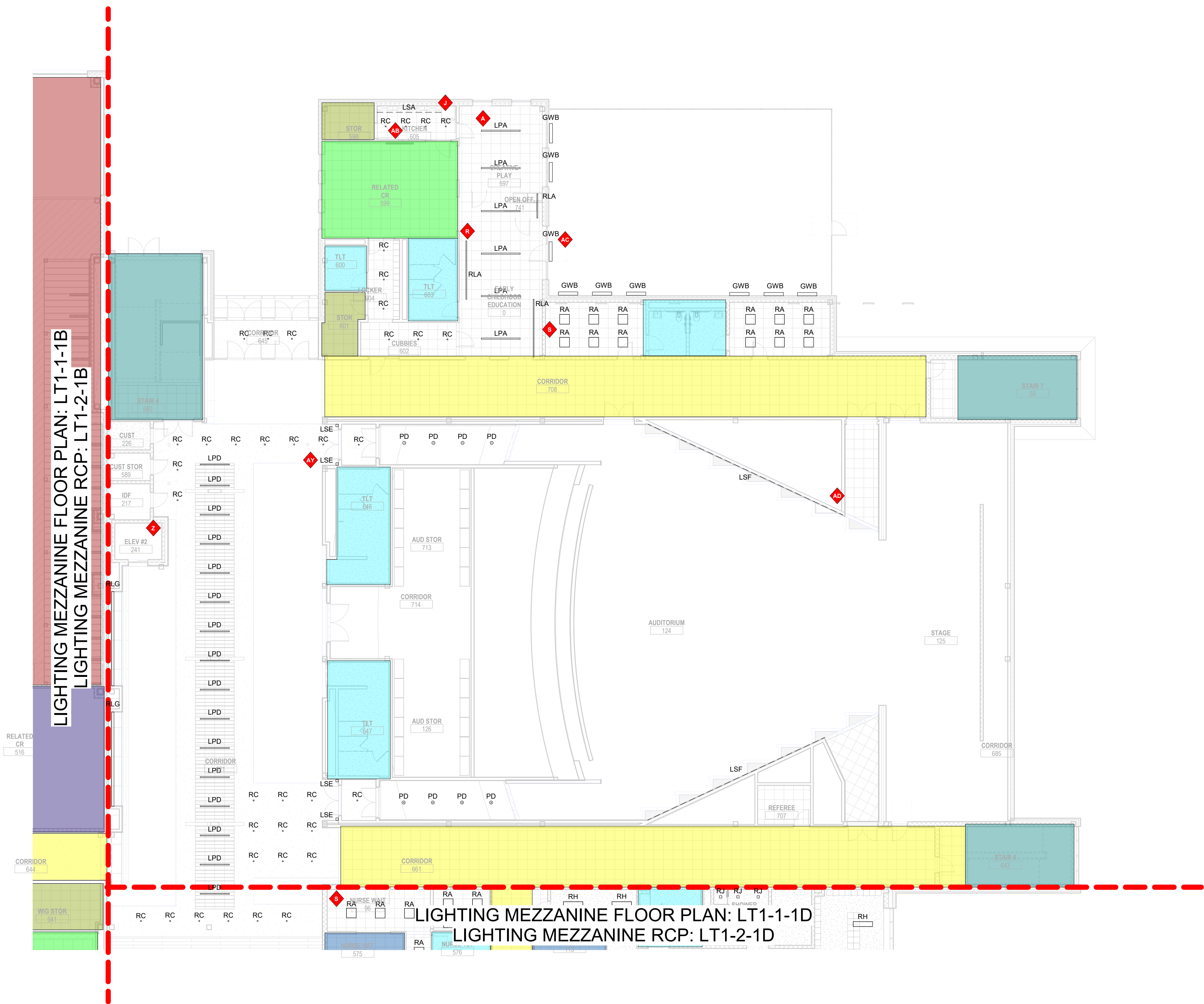
Notes:

◆ Lettered notes for this sheet only ◆

A	3.5'8" Tall by 3.5'8" Wide Pendant mounted direct-indirect LED fixture (Type LPA). Typical.
AB	2.5' by 2.5' Recessed downlight fixture (Type AB). Typical.
AC	8" Tall by 9" Wide Surface Mounted Wall Sconce mounted above doors (Type AC). Typical.
AD	2.14' Tall by 1.64' Wide linear fixture (Type LSF). Typical.
AY	0.87' Wide niche mounted linear LED perimeter fixture mounted from floor to ceiling in door drop pocket. Typical. (Type LSE).
J	1" Wide linear LED fixture mounted underneath cabinets (Type LSA). Typical.
R	4" Tall by 2.14' Wide Recessed Fixture (Type RA). Typical.
S	2x2' Recessed troffer mounted in A/C ceiling. (Type RA) Typical.
Z	Elevator Cab Lighting by Elevator Cab Vendor. Cab Lighting should be 3000k and 85 CRI min.

Color Key:

- Typical Shop-See Drawing LT3-1-2-1
- Typical Office-See Drawing LT3-1-6-2
- Typical Auto Shop-See Drawing LT3-1-1-0
- Typical Corridor-See Drawing LT3-1-11-2
- Typical Classroom-See Drawing LT3-1-3-2
- Typical Computer Lab-See Drawing LT3-1-5-2
- Typical Small Group-See Drawing LT3-1-10-2
- Typical Science Lab-See Drawing LT3-1-7-2
- Typical Teachers Planning-See Drawing LT3-1-4-2
- Typical Collab-See Drawing LT3-1-12-2
- Typical Toilets-See Drawing LT3-1-8-2 & LT3-1-9-2
- Typical Classroom Storage-See Drawing LT3-1-3-2
- Typical Shop Meeting, Shop Storage, and Classroom-See Drawing LT3-1-2-1
- Typical Stair-See Drawing LT3-1-9-2
- See Electrical Engineer's Drawings



1 Level 1 - Area C
3/32" = 1'-0"



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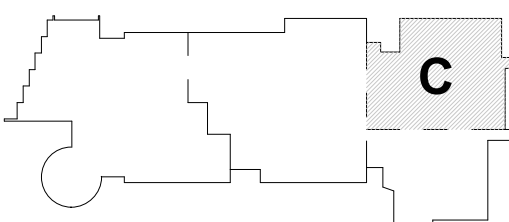
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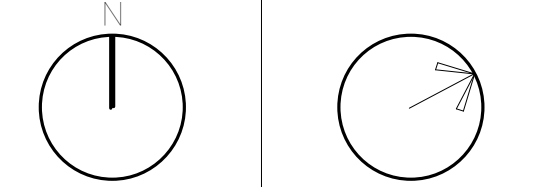
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KEY PLAN

PROJECT NORTH MAGNETIC NORTH



Lighting First
Floor Reflected
Ceiling Plan -
Area C

Scale: As indicated
Job No.: 20202
Drawn By: AL
Date: August 4th, 2022

LT1-2-1C

General Notes:

- See Architectural drawings for all mounting details and corresponding specifications. Lighting fixture manufacturer to approve mounting details prior to first order.
- Contractor shall verify that all lighting equipment specified, in its application on this project, complies with all applicable national and local codes, ordinances, regulations and jurisdictions prior to ordering any equipment.
- Do not scale electrical drawing for exact location of the lighting fixtures. In general, the architectural reflected ceiling plans indicate the proper location of lighting fixtures.
- Written dimensions on drawings shall have authority over scaled measurements. Contractors and manufacturers shall verify and be responsible for all dimensions and conditions on the job and inform Available Light of all variations from drawings prior to performing the work.
- All 40mm schedule 40 black steel pipe must be permanently secured so that no deflection or rotation occurs when fixtures are mounted at varying angles.
- All unistrut must be permanently secured so that no deflection or rotation occurs when fixtures are mounted at varying angles.
- All C-clamp and unistrut mounted light fixtures will employ safety cables supplied by the appropriate fixture manufacturer.
- For all remote location dimmers, the electrical contractor shall provide separate neutrals for each dimming circuit (i.e. no common neutrals).
- A line item price for the cost to provide and install each lighting fixture type is required.

All public escalators with integral circulation light to deliver no less than 100 lux across each tread. See escalator manufacturer detail drawings.

All public elevators with integral circulation light to deliver no less than 100 lux across floor of cab. See elevator manufacturer detail drawings.

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Notes:

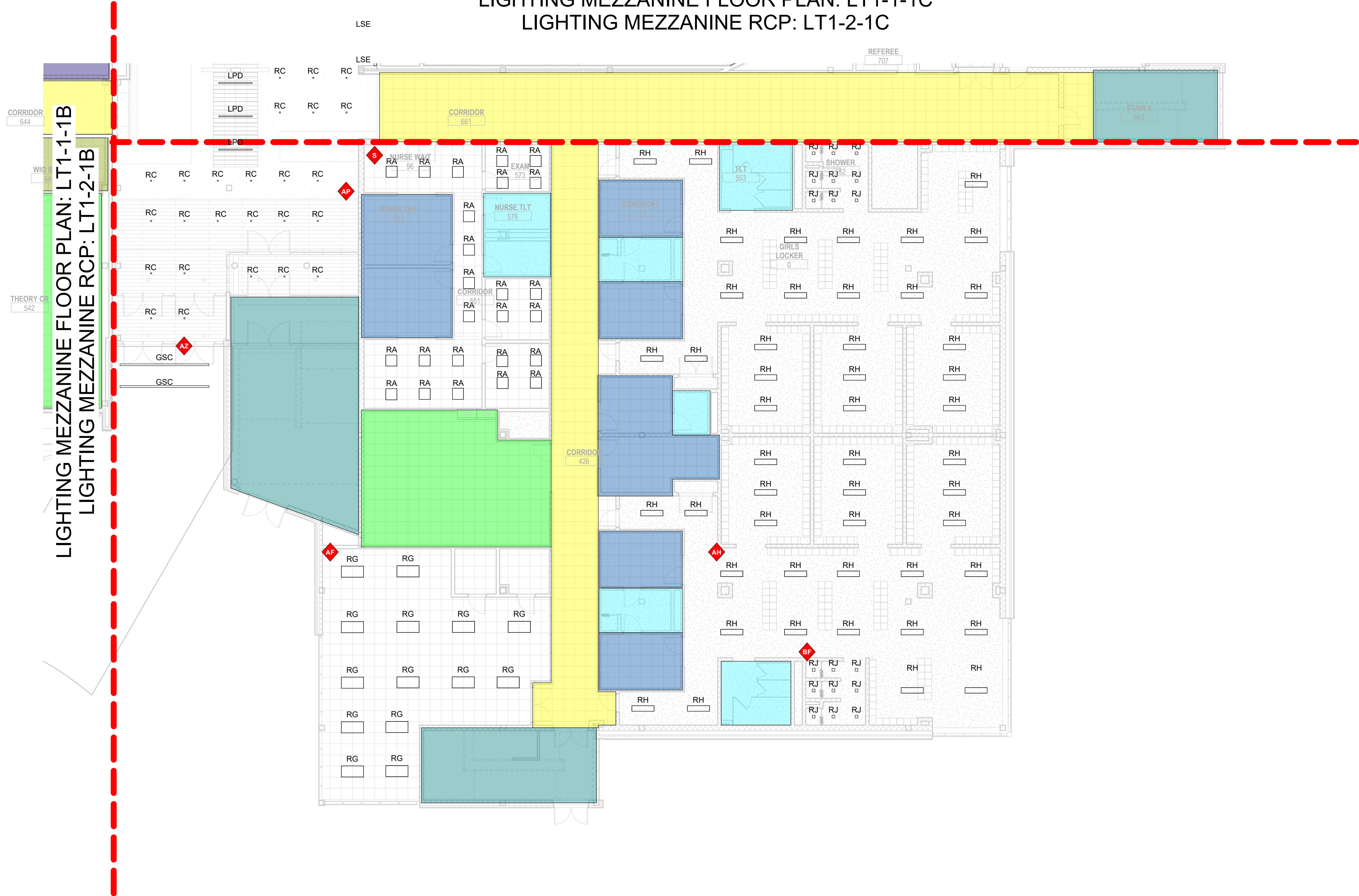
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AF	2' Wide by 4' Long Recessed LED Troffer (Type RG). Typical.
AH	1' Wide by 4' Long Recessed Fixture (Type RF). Typical.
AP	Power for trophy case network power.
AZ	4" Aperture surface-mount wet location LED linear direct fixture attached to open ceiling. (Type GSC)
BF	6" Square recessed LED shower-grade downlight (Type RJ). Typical.
S	2x2 Recessed troffer mounted in ACT ceiling. (Type RA) Typical.

Color Key:

- Typical Shop-See Drawing LT3-1-2-1
- Typical Office-See Drawing LT3-1-6-2
- Typical Auto Shop-See Drawing LT3-1-1-0
- Typical Corridor-See Drawing LT3-1-11-2
- Typical Classroom-See Drawing LT3-1-3-2
- Typical Computer Lab-See Drawing LT3-1-5-2
- Typical Small Group-See Drawing LT3-1-10-2
- Typical Science Lab-See Drawing LT3-1-7-2
- Typical Teachers Planning-See Drawing LT3-1-4-2
- Typical Collab-See Drawing LT3-1-12-2
- Typical Toilets-See Drawing LT3-1-8-2 & LT3-1-9-2
- Typical Classroom Storage-See Drawing LT3-1-3-2
- Typical Shop Meeting, Shop Storage, and Classroom-See Drawing LT3-1-2-1
- Typical Stair-See Drawing LT3-1-9-2
- See Electrical Engineer's Drawings

LIGHTING MEZZANINE FLOOR PLAN: LT1-1-1C
LIGHTING MEZZANINE RCP: LT1-2-1C



1 Level 1 - Area D
3/32" = 1'-0"



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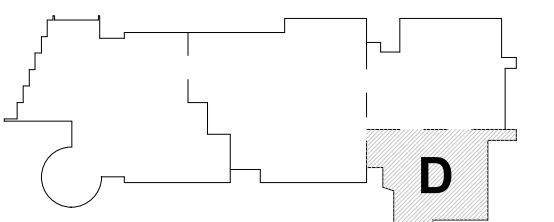
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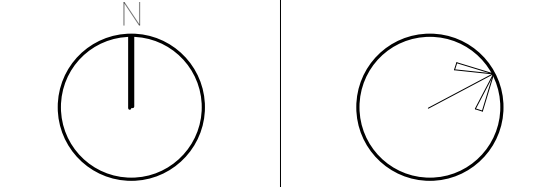
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KEY PLAN

PROJECT NORTH MAGNETIC NORTH



Lighting First
Floor Reflected
Ceiling Plan -
Area D

Scale: As indicated
Job No.: 20202
Drawn By: AL
Date: August 4th, 2022

LT1-2-1D

- General Notes:**
- See Architectural drawings for all mounting details and corresponding specifications. Lighting fixture manufacturer to approve mounting details prior to first order.
 - Contractor shall verify that all lighting equipment specified, in its application on this project, complies with all applicable national and local codes, ordinances, regulations and jurisdictions prior to ordering any equipment.
 - Do not scale electrical drawing for exact location of the lighting fixtures. In general, the architectural reflected ceiling plans indicate the proper location of lighting fixtures.
 - Written dimensions on drawings shall have authority over scaled measurements. Contractors and manufacturers shall verify and be responsible for all dimensions and conditions on the job and inform Available Light of all variations from drawings prior to performing the work.
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 - All unistrut must be permanently secured so that no deflection or rotation occurs when fixtures are mounted at varying angles.
 - All C-clamp and unistrut mounted light fixtures will employ safety cables supplied by the appropriate fixture manufacturer.
 - For all remote location dimmers, the electrical contractor shall provide separate neutrals for each dimming circuit (i.e. no common neutrals).
 - A line item price for the cost to provide and install each lighting fixture type is required.

All public elevators with integral circulation light to deliver no less than 100 lux across each head. See escalator manufacturer detail drawings.

All public elevators with integral circulation light to deliver no less than 100 lux across floor of cab. See elevator manufacturer detail drawings.

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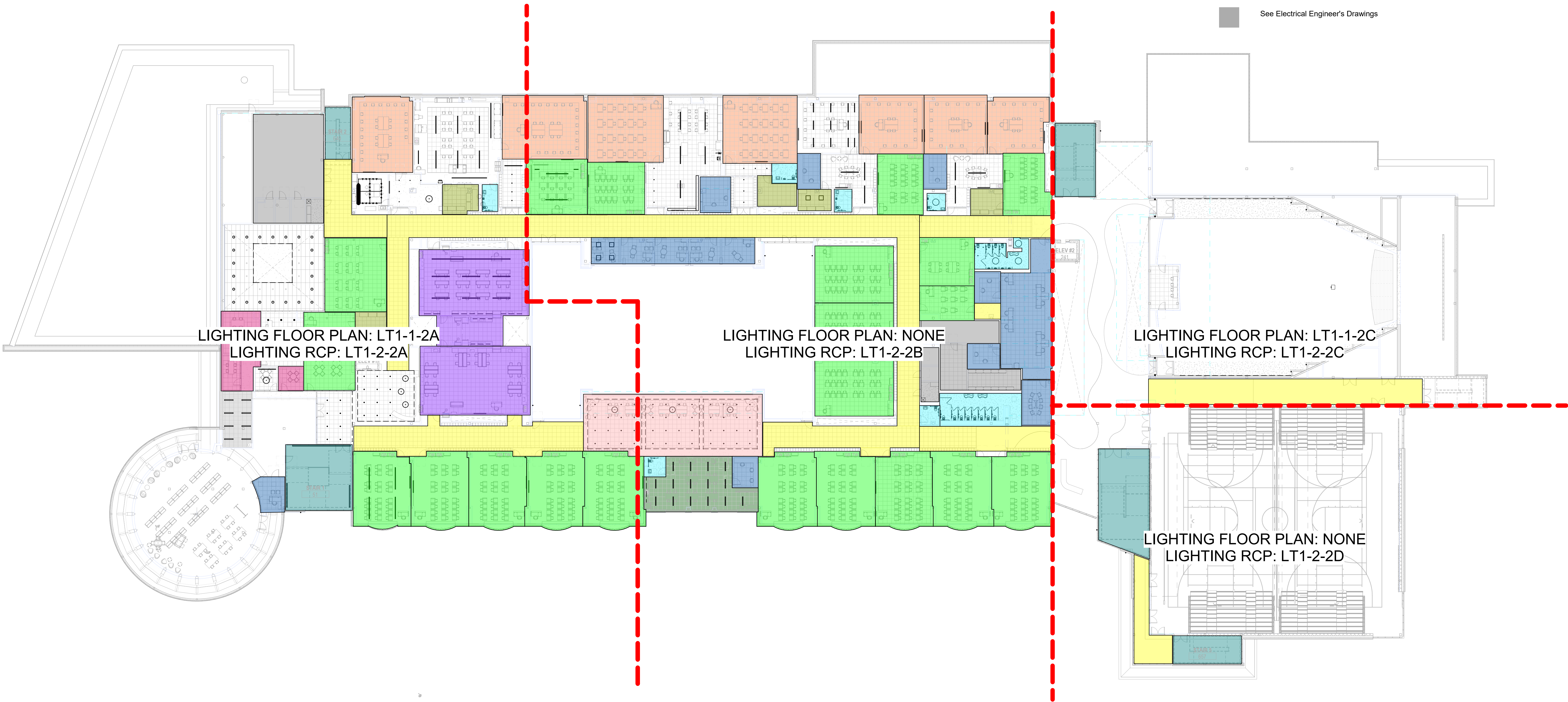
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Notes:

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Color Key:

- Typical Shop-See Drawing LT3-1-2-1
- Typical Office-See Drawing LT3-1-6-2
- Typical Auto Shop-See Drawing LT3-1-1-0
- Typical Corridor-See Drawing LT3-1-11-2
- Typical Classroom-See Drawing LT3-1-3-2
- Typical Computer Lab-See Drawing LT3-1-5-2
- Typical Small Group-See Drawing LT3-1-10-2
- Typical Science Lab-See Drawing LT3-1-7-2
- Typical Teachers Planning-See Drawing LT3-1-4-2
- Typical Collab-See Drawing LT3-1-12-2
- Typical Toilets-See Drawing LT3-1-8-2 & LT3-1-9-2
- Typical Classroom Storage-See Drawing LT3-1-3-2
- Typical Shop Meeting, Shop Storage, and Classroom-See Drawing LT3-1-2-1
- Typical Stair-See Drawing LT3-1-9-2
- See Electrical Engineer's Drawings



1 Second Floor Overall
1" = 20'-0"

DRA

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Studio 205
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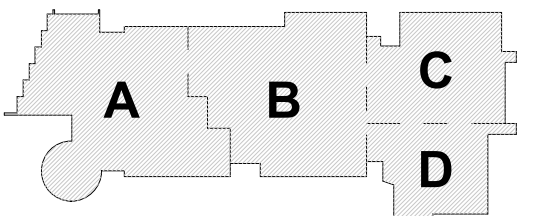
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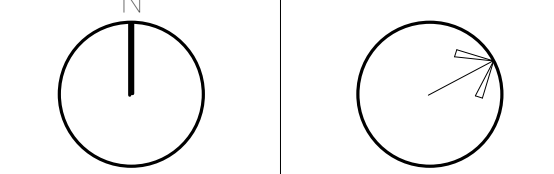
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KEY PLAN

PROJECT NORTH MAGNETIC NORTH



**Lighting Overall
Second Reflected
Ceiling Plan**

Scale: As indicated
Job No.: 20202
Drawn By: AL
Date: August 4th, 2022

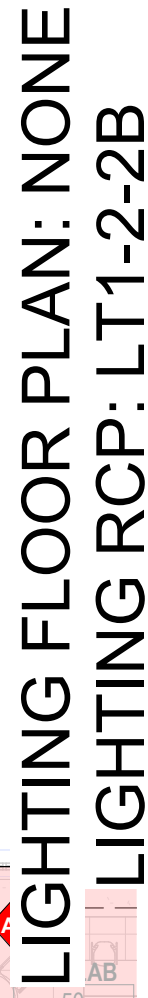
LT1-2-2

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Lettered notes for this sheet only	
A	3/8" Tall by 3 5/8" Wide Pendant mounted direct-indirect LED fixture (Type LPA) Typical
AJ	1 1/4" Tall Tapered Track-mounted spot fixture (Type TA). Typical
AK	1 1/8" Tall by 1 1/4" Wide Pendant Mounted Direct Indirect Track (Type TT). Typical
AL	4-6" Long by 5-9 1/2" Tall surface-mounted linear fixture. Typical (Type LSL)
AR	6" Diameter recessed downlight fixture (Type RE). Typical
AT	1 1/2" Tall by 4 1/2" wide linear mounted direct-indirect fixture (Type LSL)
BB	11 1/2" Tall by 12" wide mounted LED accent fixture (Type SWA). Typical
BC	2" High x 4" wide linear cove with asymmetric distribution. Typical (Type LSC)
BD	4" Diameter acoustical/decorative pendant fixture (Type DPA). Typical
BK	1 1/2" Tall by 4 1/2" Wide Wall Mounted Indirect fixture (Type LSK). Typical
D	4" Diameter pendant direct-indirect fixture (Type DPA). Typical
K	8" Diameter 12" High pendant cylinder downlight (Type PA). Typical
L	4" Long by 4" wide pendant mounted direct-indirect fixture (Type LPO). Typical
R	4" Long by 1 1/2" Wide Recessed fixture (Type RL). Typical
W	4" Long by 3 3/8" Tall recessed linear fixture mounted in-groove ceiling (Type RC). Typical
	Elevator Cab Lighting by Elevator Cab Vendor. Cab Lighting should be 3000K and 85 CRI min.



① Level 2 - Area A
 $3/32'' = 1'-0''$

	Typical Shop-See Drawing LT3-1-2-1
	Typical Office-See Drawing LT3-1-6-2
	Typical Auto Shop-See Drawing LT3-1-1-0
	Typical Corridor-See Drawing LT3-1-11-2
	Typical Classroom-See Drawing LT3-1-3-2
	Typical Computer Lab-See Drawing LT3-1-5-2
	Typical Small Group-See Drawing LT3-1-10-2
	Typical Science Lab-See Drawing LT3-1-7-2
	Typical Teachers Planning-See Drawing LT3-1-4-2
	Typical Collab-See Drawing LT3-1-12-2
	Typical Toilets-See Drawing LT3-1-8-2 & LT3-1-9-2
	Typical Classroom Storage-See Drawing LT3-1-3-2
	Typical Shop Meeting, Shop Storage, and Classroom-See Drawing LT3-1-2-1
	Typical Stair-See Drawing LT3-1-9-2
	See Electrical Engineer's Drawings

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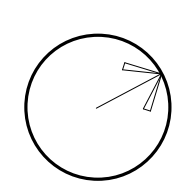
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August 4th, 2022



MAGNETIC NORTH



Scale: As indicated
Job No.: 20202
Drawn By: AL
Date: August 4th, 2022

LT1-2-2A

- General Notes:**
- See Architectural drawings for all mounting details and corresponding specifications. Lighting fixture manufacturer to approve mounting details prior to first order.
 - Contractor shall verify that all lighting equipment specified in its application on this project complies with all applicable national and local codes, ordinances, regulations and jurisdictions prior to ordering any equipment.
 - Do not scale electrical drawing for exact location of the lighting fixtures. In general, the architectural reflected ceiling plans indicate the proper location of lighting fixtures.
 - Written dimensions on drawings shall have authority over scaled measurements. Contractors and manufacturers shall verify and be responsible for all dimensions and conditions on the job and inform Available Light of all variations from drawings prior to performing the work.
 - All 40mm schedule 40 black steel pipe must be permanently secured so that no deflection or vibration occurs when fixtures are mounted at varying angles.
 - All unistrut must be permanently secured so that no deflection or rotation occurs when fixtures are mounted at varying angles.
 - All C-clamp and unistrut mounted light fixtures will employ safety cables supplied by the appropriate fixture manufacturer.
 - For all remote location dimmers, the electrical contractor shall provide separate neutrals for each dimming circuit (i.e. no common neutrals).
 - A line item price for the cost to provide and install each lighting fixture type is required.

All public elevators with integral circulation light to deliver no less than 100 lux across each head. See escalator manufacturer detail drawings.

All public elevators with integral circulation light to deliver no less than 100 lux across each head. See escalator manufacturer detail drawings.

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Notes:

◆ Lettered notes for this sheet only ◆

A	3.58" Tall by 3.58" Wide Pendant mounted direct-indirect LED fixture (Type LPA). Typical.
AA	10.58" Tall by 13.13/32" Wide Indirect wall-wash cove system mounted to ceiling (Type RLB). Typical.
AG	4" Diameter recessed round LED downlight fixture (Type RI). Typical.
AL	4.314" Tall by 2.114" Wide pendant mounted direct-indirect fixture (Type LPE). Typical.
BC	7" High x 4" wide linear cove fixture with asymmetric distribution. Typical. (Type LSB).
BD	32" Diameter acoustical decorative pendant fixture (Type DPA). Typical.
F	3" Diameter x 3" High Surface-mounted disc fixture with uplight glow (Type GSA). Typical.
G	3.58" Tall by 3.58" Wide Pendant mounted direct-indirect LED fixture (Type LPA). Typical.
H	4" Tall by 2.114" Wide pendant mounted indirect fixture (Type LPB). Typical.
Q	2.5" aperture recessed LED lensed wallwash with angled lens (Type RF). Typical.
R	4" Tall by 2.114" Wide Recessed Fixture (Type RLA). Typical.
S	2x2" Recessed troffer mounted in ACT ceiling (Type RA). Typical.
W	4" Long by 4.38" Tall recessed linear fixture mounted in gyp. ceiling (Type RC). Typical.



General Notes:

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- All 40mm schedule 40 black steel pipe must be permanently secured so that no deflection or vibration occurs when fixtures are mounted at varying angles.
- All unistrut must be permanently secured so that no deflection or rotation occurs when fixtures are mounted at varying angles.
- All C-clamp and unistrut mounted light fixtures will employ safety cables supplied by the appropriate fixture manufacturer.
- For all remote location dimmers, the electrical contractor shall provide separate neutrals for each dimming circuit (i.e. no common neutrals).
- A line item price for the cost to provide and install each lighting fixture type is required.

All public escalators with integral circulation light to deliver no less than 100 lux across each tread. See escalator manufacturer detail drawings.

All public elevators with integral circulation light to deliver no less than 100 lux across floor of cab. See elevator manufacturer detail drawings.

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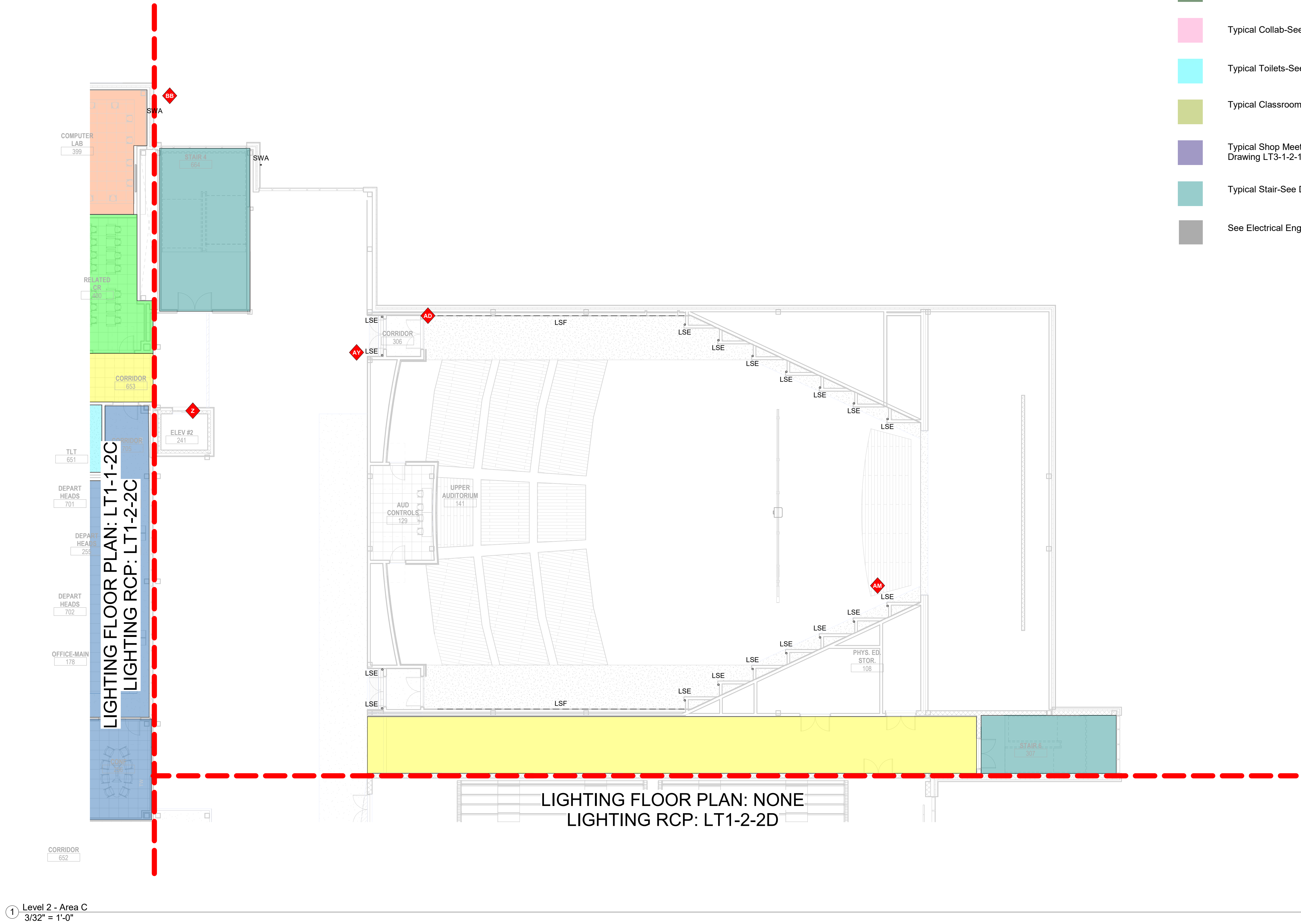
Notes:

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AD 2.14" Tall by 1.64" Wide Linear fixture (Type LSF), Typical.
AM 30" Tall by .83" Wide Surface Mounted Linear Fixture (Type LSE).
AY 0.83" Wide niche mounted linear LED perimeter fixture mounted from floor to ceiling in door drop pockets, Typical. (Type LSE)
Z Elevator Cab Lighting by Elevator Cab Vendor. Cab Lighting should be 3000K and 85 CRI min.

Color Key:

- Typical Shop-See Drawing LT3-1-2-1
- Typical Office-See Drawing LT3-1-6-2
- Typical Auto Shop-See Drawing LT3-1-1-0
- Typical Corridor-See Drawing LT3-1-11-2
- Typical Classroom-See Drawing LT3-1-3-2
- Typical Computer Lab-See Drawing LT3-1-5-2
- Typical Small Group-See Drawing LT3-1-10-2
- Typical Science Lab-See Drawing LT3-1-7-2
- Typical Teachers Planning-See Drawing LT3-1-4-2
- Typical Collab-See Drawing LT3-1-12-2
- Typical Toilets-See Drawing LT3-1-8-2 & LT3-1-9-2
- Typical Classroom Storage-See Drawing LT3-1-3-2
- Typical Shop Meeting, Shop Storage, and Classroom-See Drawing LT3-1-2-1
- Typical Stair-See Drawing LT3-1-9-2
- See Electrical Engineer's Drawings



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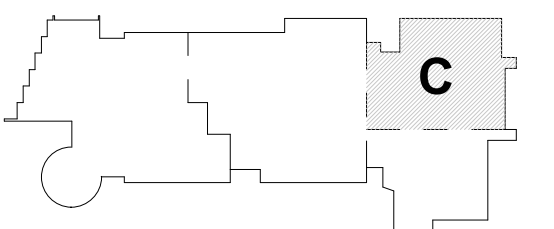
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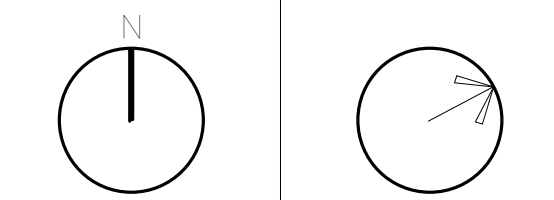
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KEY PLAN

PROJECT NORTH MAGNETIC NORTH



Lighting Second
Floor Reflected
Ceiling Plan -
Area C

Scale: As indicated
Job No.: 20202
Drawn By: AL
Date: August 4th, 2022

LT1-2-2C

General Notes:

- See Architectural drawings for all mounting details and corresponding specifications. Lighting fixture manufacturer to approve mounting details prior to first order.
- Contractor shall verify that all lighting equipment specified, in its application on this project, complies with all applicable national and local codes, ordinances, regulations and jurisdictions prior to ordering any equipment.
- Do not scale electrical drawing for exact location of the lighting fixtures. In general, the architectural reflected ceiling plans indicate the proper location of lighting fixtures.
- Written dimensions on drawings shall have authority over scaled measurements. Contractors and manufacturers shall verify and be responsible for all dimensions and conditions on the job and inform Available Light of all variations from drawings prior to performing the work.
- All 40mm schedule 40 black steel pipe must be permanently secured so that no deflection or vibration occurs when fixtures are mounted at varying angles.
- All unistrut must be permanently secured so that no deflection or rotation occurs when fixtures are mounted at varying angles.
- All C-clamp and unistrut mounted light fixtures will employ safety cables supplied by the appropriate fixture manufacturer.
- For all remote location dimmers, the electrical contractor shall provide separate neutrals for each dimming circuit (i.e. no common neutrals).
- A line item price for the cost to provide and install each lighting fixture type is required.

All public escalators with integral circulation light to deliver no less than 100 lux across each tread. See escalator manufacturer detail drawings.

All public elevators with integral circulation light to deliver no less than 100 lux across floor of cab. See elevator manufacturer detail drawings.

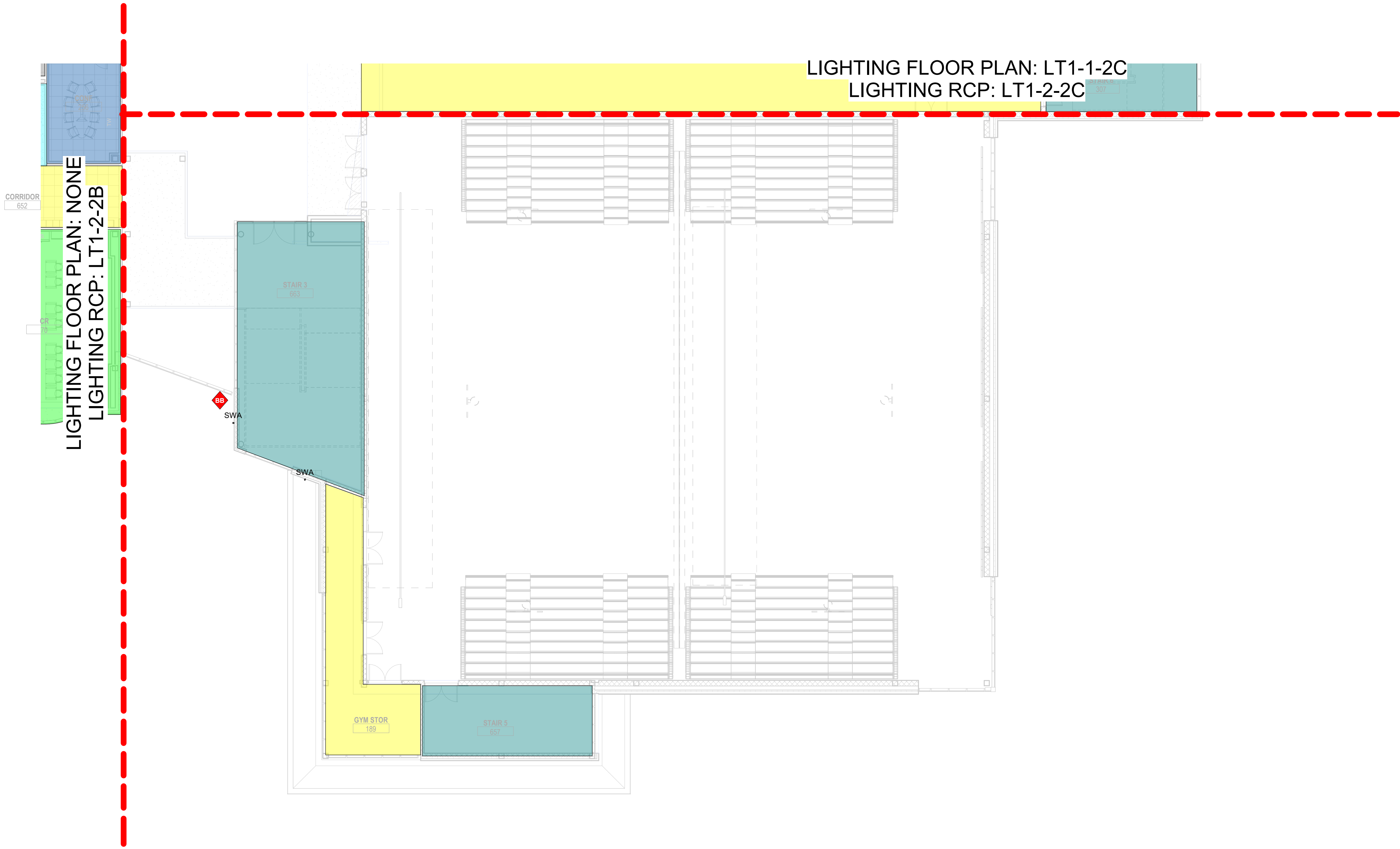
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Notes:

◆ Lettered notes for this sheet only

BB 6" Tall by 12" Wall mounted LED sconce fixture (Type SWA). Typical.



1 Level 2 - Area D
3/32" = 1'-0"

Color Key:

- Typical Shop-See Drawing LT3-1-2-1
- Typical Office-See Drawing LT3-1-6-2
- Typical Auto Shop-See Drawing LT3-1-1-0
- Typical Corridor-See Drawing LT3-1-11-2
- Typical Classroom-See Drawing LT3-1-3-2
- Typical Computer Lab-See Drawing LT3-1-5-2
- Typical Small Group-See Drawing LT3-1-10-2
- Typical Science Lab-See Drawing LT3-1-7-2
- Typical Teachers Planning-See Drawing LT3-1-4-2
- Typical Collab-See Drawing LT3-1-12-2
- Typical Toilets-See Drawing LT3-1-8-2 & LT3-1-9-2
- Typical Classroom Storage-See Drawing LT3-1-3-2
- Typical Shop Meeting, Shop Storage, and Classroom-See Drawing LT3-1-2-1
- Typical Stair-See Drawing LT3-1-9-2
- See Electrical Engineer's Drawings



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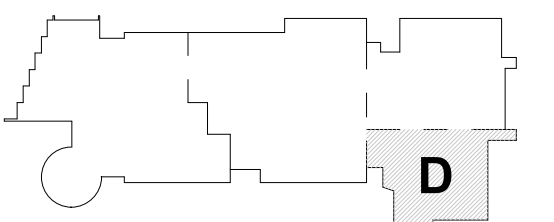
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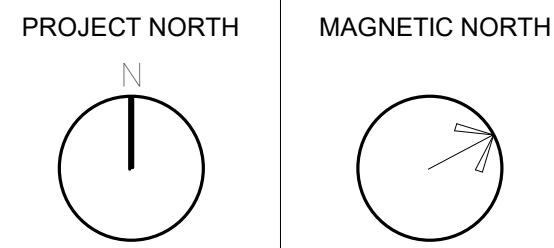
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KEY PLAN



Lighting Second
Floor Reflected
Ceiling Plan -
Area D

Scale: As indicated
Job No.: 20202
Drawn By: AL
Date: August 4th, 2022

LT1-2-2D

- General Notes:**
- See Architectural drawings for all mounting details and corresponding specifications. Lighting fixture manufacturer to approve mounting details prior to first order.
 - Contractor shall verify that all lighting equipment specified, in its application on this project, complies with all applicable national and local codes, ordinances, regulations and jurisdictions prior to ordering any equipment.
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 - All unistrut must be permanently secured so that no deflection or rotation occurs when fixtures are mounted at varying angles.
 - All C-clamp and unistrut mounted light fixtures will employ safety cables supplied by the appropriate fixture manufacturer.
 - For all remote location dimmers, the electrical contractor shall provide separate neutrals for each dimming circuit (i.e. no common neutrals).
 - A line item price for the cost to provide and install each lighting fixture type is required.

All public escalators with integral circulation light to deliver no less than 100 lux across each tread. See escalator manufacturer detail drawings.

All public elevators with integral circulation light to deliver no less than 100 lux across floor of cab. See elevator manufacturer detail drawings.

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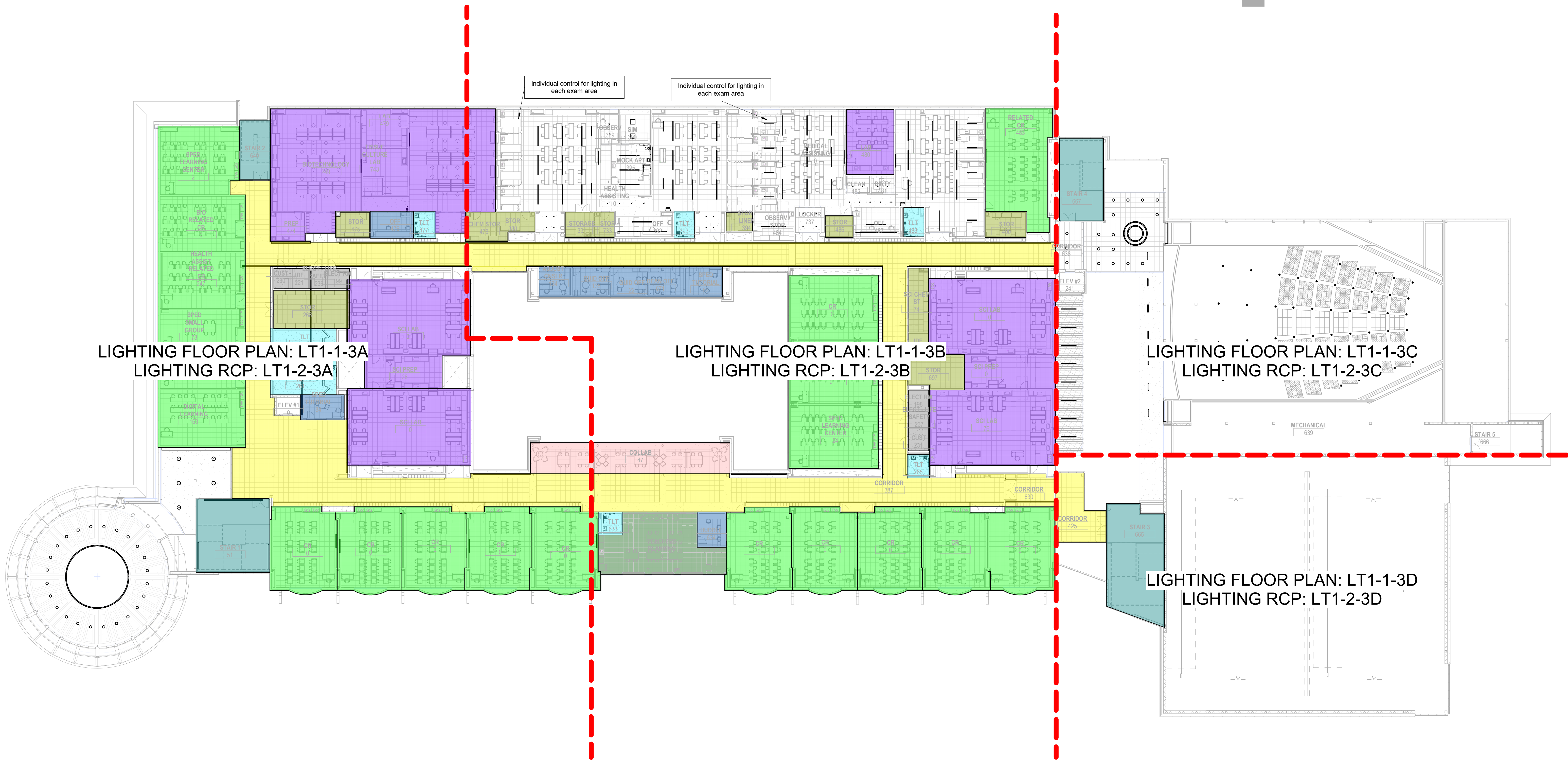
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Notes:

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Color Key:

- Typical Shop-See Drawing LT3-1-2-1
- Typical Office-See Drawing LT3-1-6-2
- Typical Auto Shop-See Drawing LT3-1-1-0
- Typical Corridor-See Drawing LT3-1-11-2
- Typical Classroom-See Drawing LT3-1-3-2
- Typical Computer Lab-See Drawing LT3-1-5-2
- Typical Small Group-See Drawing LT3-1-10-2
- Typical Science Lab-See Drawing LT3-1-7-2
- Typical Teachers Planning-See Drawing LT3-1-4-2
- Typical Collab-See Drawing LT3-1-12-2
- Typical Toilets-See Drawing LT3-1-8-2 & LT3-1-9-2
- Typical Classroom Storage-See Drawing LT3-1-3-2
- Typical Shop Meeting, Shop Storage, and Classroom-See Drawing LT3-1-2-1
- Typical Stair-See Drawing LT3-1-9-2
- See Electrical Engineer's Drawings



1 Third Floor Overall
1" = 20'-0"



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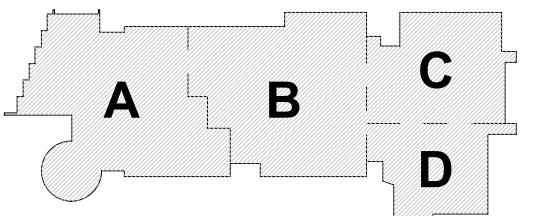
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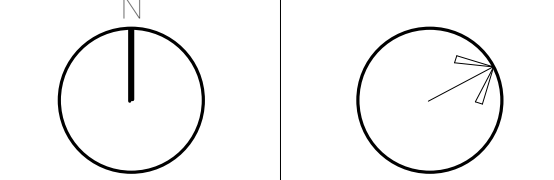
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KEY PLAN

PROJECT NORTH MAGNETIC NORTH



**Lighting Overall
Third Floor
Reflected Ceiling
Plan**

Scale: As indicated
Job No.: 20202
Drawn By: AL
Date: August 4th, 2022

LT1-2-3

General Notes:

- See Architectural drawings for all mounting details and corresponding specifications. Lighting fixture manufacturer to approve mounting details prior to first order.
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- A line item price for the cost to provide and install each lighting fixture type is required.

All public escalators with integral circulation light to deliver no less than 100 lux across each tread. See escalator manufacturer detail drawings.

All public elevators with integral circulation light to deliver no less than 100 lux across floor of cab. See elevator manufacturer detail drawings.

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Notes:

◆ Lettered notes for this sheet only ◆

AA	10 5/8" Tall by 13 13/32" Wide Indirect wall-wash cove system mounted to ceiling (Type RLJ). Typical.
AT	6" Diameter recessed downlight fixture (Type RE). Typical.
AU	30" Diameter decorative stem mounted round shade pendant fixture (Type PE). Typical.
AV	30" Diameter decorative stem mounted round shade pendant fixture (Type PE). Typical.
BA	1 1/2" Tall by 4 1/2" wide wall-mounted linear direct/indirect fixture. (Type LSJ). Typical.
BJ	1 1/2" Tall by 4 1/2" Wide Wall Mounted Indirect fixture (Type LSK). Typical.
Z	Elevator Cab Lighting by Elevator Cab Vendor. Cab Lighting should be 3000k and 85 CRI min.

Color Key:

- Typical Shop-See Drawing LT3-1-2-1
- Typical Office-See Drawing LT3-1-6-2
- Typical Auto Shop-See Drawing LT3-1-1-0
- Typical Corridor-See Drawing LT3-1-11-2
- Typical Classroom-See Drawing LT3-1-3-2
- Typical Computer Lab-See Drawing LT3-1-5-2
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- Typical Science Lab-See Drawing LT3-1-7-2
- Typical Teachers Planning-See Drawing LT3-1-4-2
- Typical Collab-See Drawing LT3-1-12-2
- Typical Toilets-See Drawing LT3-1-8-2 & LT3-1-9-2
- Typical Classroom Storage-See Drawing LT3-1-3-2
- Typical Shop Meeting, Shop Storage, and Classroom-See Drawing LT3-1-2-1
- Typical Stair-See Drawing LT3-1-9-2
- See Electrical Engineer's Drawings



1 Level 3 - Area A
3/32" = 1'-0"



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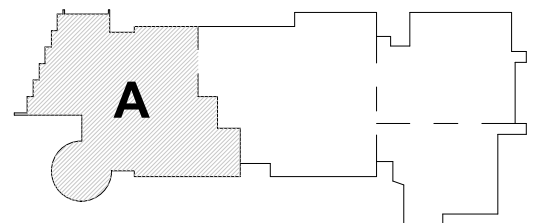
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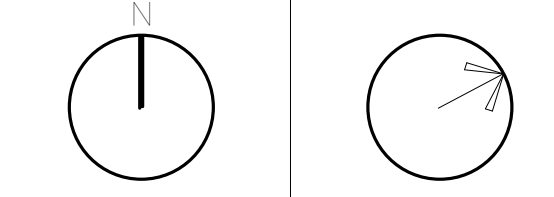
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KEY PLAN

PROJECT NORTH MAGNETIC NORTH



Lighting Third
Floor Reflected
Ceiling Plan -
Area A

Scale: As indicated
Job No.: 20202
Drawn By: AL
Date: August 4th, 2022

LT1-2-3A

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- See Architectural drawings for all mounting details and corresponding specifications. Lighting fixture manufacturer to approve mounting details prior to final order.
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 - All unistrut must be permanently secured so that no deflection or rotation occurs when fixtures are mounted at varying angles.
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 - For all remote location dimmers, the electrical contractor shall provide separate neutrals for each dimming circuit (i.e. no common neutrals).
 - A line item price for the cost to provide and install each lighting fixture type is required.

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All public elevators with integral circulation light to deliver no less than 100 lux across floor of cab. See elevator manufacturer detail drawings.

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- Notes:**
- ◆ **Lettered notes for this sheet only** ◆
- | | |
|----|---|
| A | 3 5/8" Tall by 3 5/8" Wide Pendant mounted direct-indirect LED fixture (Type LPA). Typical. |
| AB | 2 5/2" by 2 5/2" Recessed downlight fixture (Type AB). Typical. |
| R | 4" Tall by 2 1/4" Wide Recessed Fixture (Type RLA). Typical. |



General Notes:

- See Architectural drawings for all mounting details and corresponding specifications. Lighting fixture manufacturer to approve mounting details prior to first order.
- Contractor shall verify that all lighting equipment specified, in its application on this project, complies with all applicable national and local codes, ordinances, regulations and jurisdictions prior to ordering any equipment.
- Do not scale electrical drawing for exact location of the lighting fixtures. In general, the architectural reflected ceiling plans indicate the proper location of lighting fixtures.
- Written dimensions on drawings shall have authority over scaled measurements. Contractors and manufacturers shall verify and be responsible for all dimensions and conditions on the job and inform Available Light of all variations from drawings prior to performing the work.
- All 40mm schedule 40 black steel pipe must be permanently secured so that no deflection or vibration occurs when fixtures are mounted at varying angles.
- All unistrut must be permanently secured so that no deflection or rotation occurs when fixtures are mounted at varying angles.
- All C-clamp and unistrut mounted light fixtures will employ safety cables supplied by the appropriate fixture manufacturer.
- For all remote location dimmers, the electrical contractor shall provide separate neutrals for each dimming circuit (i.e. no common neutrals).
- A line item price for the cost to provide and install each lighting fixture type is required.

All public escalators with integral circulation light to deliver no less than 100 lux across each tread. See escalator manufacturer detail drawings.

All public elevators with integral circulation light to deliver no less than 100 lux across floor of cab. See elevator manufacturer detail drawings.

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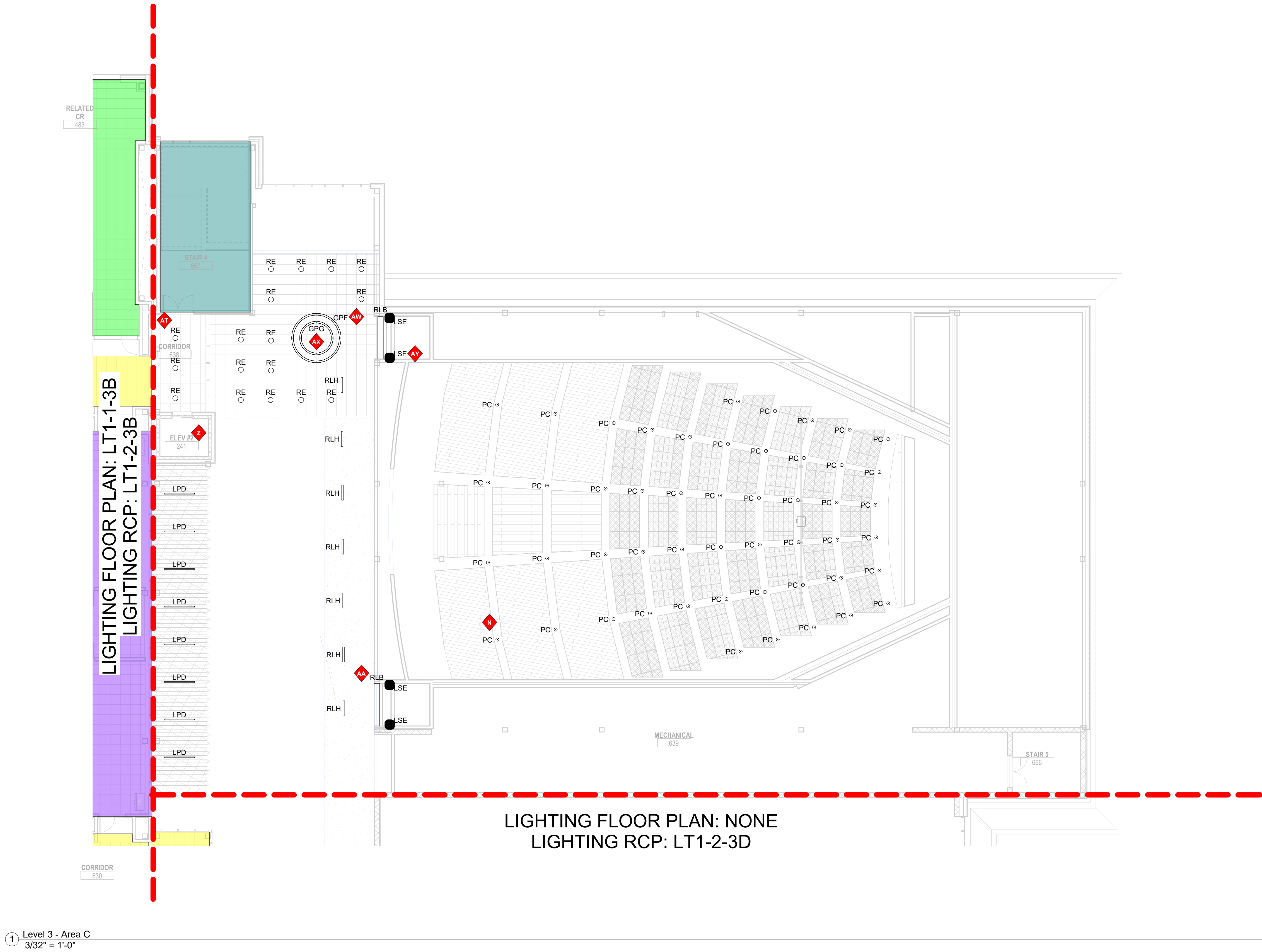
Notes:

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AA	10 5/8" Tall by 13 13/32" Wide Indirect wall-wash cove system mounted to ceiling (Type RL8). Typical.
AT	6" Diameter recessed downlight fixture (Type RE). Typical.
AW	80" Diameter linear ring LED pendant fixture. Typical. (Type GPF).
AX	118" Diameter linear ring LED pendant fixture. Typical. (Type GPO).
AY	0.87" Wide notch mounted linear LED perimeter fixture mounted from floor to ceiling in door drop pocket. Typical. (Type LSE).
N	7" Diameter pendant mounted LED fixture with 46" medium flood reflector (Type PC). Typical.
Z	Elevator Cab Lighting by Elevator Cab Vendor. Cab Lighting should be 3000k and 85 CRI min.

Color Key:

- Typical Shop-See Drawing LT3-1-2-1
- Typical Office-See Drawing LT3-1-6-2
- Typical Auto Shop-See Drawing LT3-1-1-0
- Typical Corridor-See Drawing LT3-1-11-2
- Typical Classroom-See Drawing LT3-1-3-2
- Typical Computer Lab-See Drawing LT3-1-5-2
- Typical Small Group-See Drawing LT3-1-10-2
- Typical Science Lab-See Drawing LT3-1-7-2
- Typical Teachers Planning-See Drawing LT3-1-4-2
- Typical Collab-See Drawing LT3-1-12-2
- Typical Toilets-See Drawing LT3-1-8-2 & LT3-1-9-2
- Typical Classroom Storage-See Drawing LT3-1-3-2
- Typical Shop Meeting, Shop Storage, and Classroom-See Drawing LT3-1-2-1
- Typical Stair-See Drawing LT3-1-9-2
- See Electrical Engineer's Drawings



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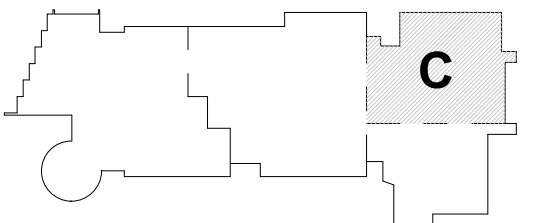
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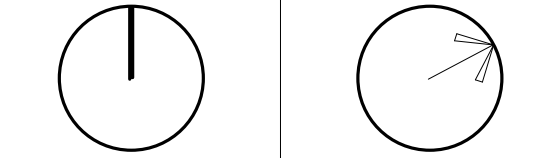
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August 4th, 2022



KEY PLAN

PROJECT NORTH MAGNETIC NORTH



Lighting Third
Floor Reflected
Ceiling Plan -
Area C

Scale: As indicated
Job No.: 20202
Drawn By: AL
Date: August 4th, 2022

LT1-2-3C

General Notes:

- See Architectural drawings for all mounting details and corresponding specifications. Lighting fixture manufacturer to approve mounting details prior to first order.
- Contractor shall verify that all lighting equipment specified, in its application on this project, complies with all applicable national and local codes, ordinances, regulations and jurisdictions prior to ordering any equipment.
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- All 40mm schedule 40 black steel pipe must be permanently secured so that no deflection or vibration occurs when fixtures are mounted at varying angles.
- All unistrut must be permanently secured so that no deflection or rotation occurs when fixtures are mounted at varying angles.
- All C-clamp and unistrut mounted light fixtures will employ safety cables supplied by the appropriate fixture manufacturer.
- For all remote location dimmers, the electrical contractor shall provide separate neutrals for each dimming circuit (i.e. no common neutrals).
- A live item price for the cost to provide and install each lighting fixture type is required.

All public escalators with integral circulation light to deliver no less than 100 lux across each tread. See escalator manufacturer detail drawings.

All public elevators with integral circulation light to deliver no less than 100 lux across floor of cab. See elevator manufacturer detail drawings.

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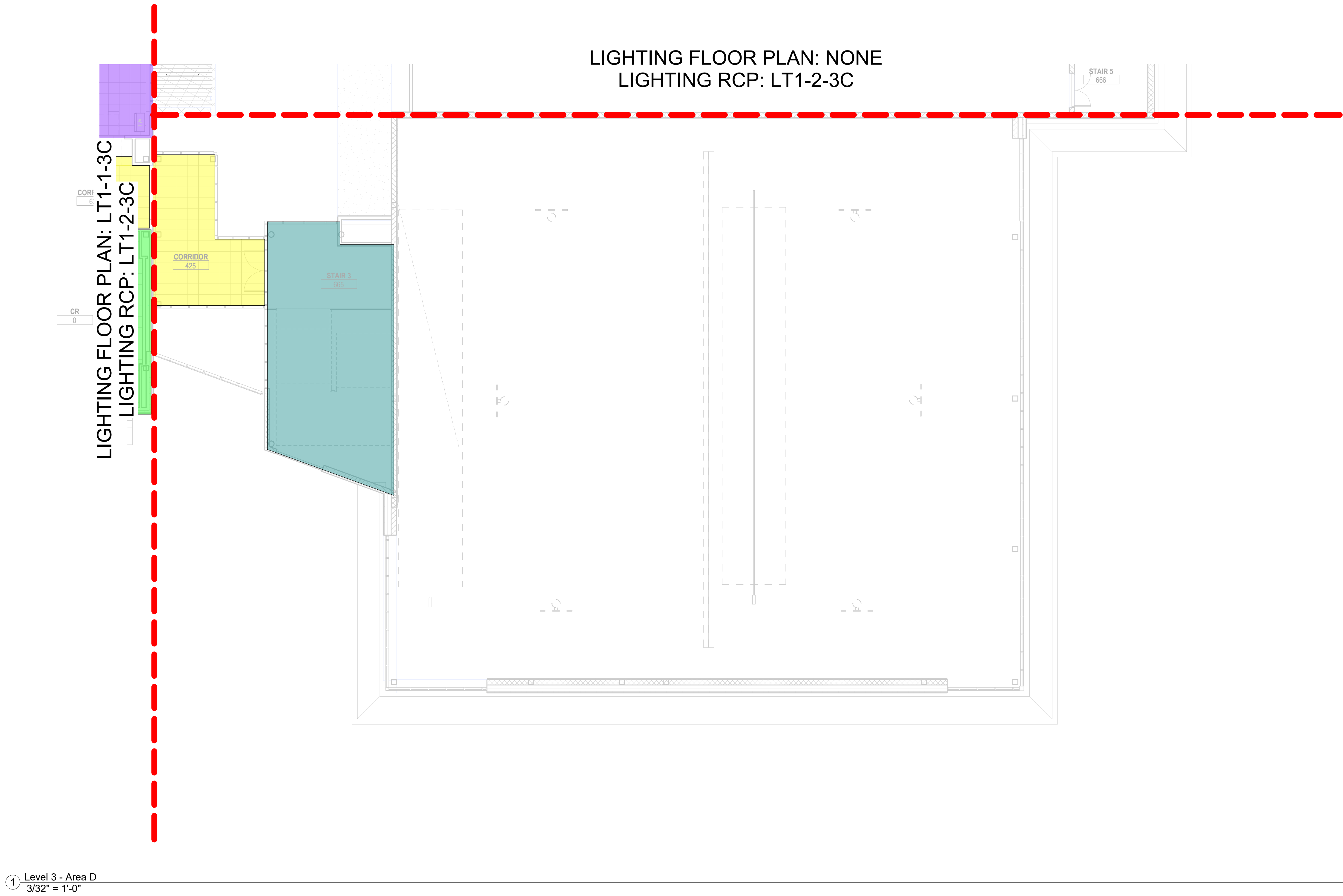
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Notes:

◆ Lettered notes for this sheet only ◆

Color Key:

- Typical Shop-See Drawing LT3-1-2-1
- Typical Office-See Drawing LT3-1-6-2
- Typical Auto Shop-See Drawing LT3-1-1-0
- Typical Corridor-See Drawing LT3-1-11-2
- Typical Classroom-See Drawing LT3-1-3-2
- Typical Computer Lab-See Drawing LT3-1-5-2
- Typical Small Group-See Drawing LT3-1-10-2
- Typical Science Lab-See Drawing LT3-1-7-2
- Typical Teachers Planning-See Drawing LT3-1-4-2
- Typical Collab-See Drawing LT3-1-12-2
- Typical Toilets-See Drawing LT3-1-8-2 & LT3-1-9-2
- Typical Classroom Storage-See Drawing LT3-1-3-2
- Typical Shop Meeting, Shop Storage, and Classroom-See Drawing LT3-1-2-1
- Typical Stair-See Drawing LT3-1-9-2
- See Electrical Engineer's Drawings



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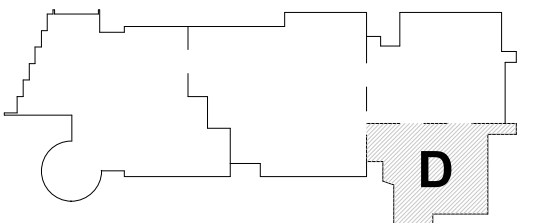
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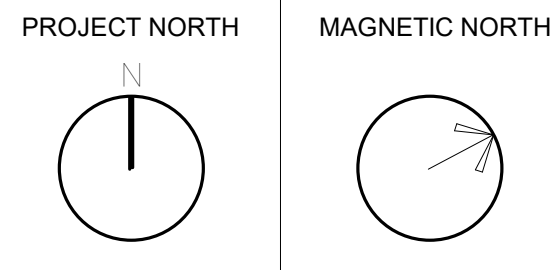
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MSBA Design
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August 4th, 2022



KEY PLAN



Lighting Third
Floor Reflected
Ceiling Plan -
Area D

Scale: As indicated
Job No.: 20202
Drawn By: AL
Date: August 4th, 2022

LT1-2-3D

- General Notes:**
- See Architectural drawings for all mounting details and corresponding specifications. Lighting fixture manufacturer to approve mounting details prior to first order.
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All public escalators with integral circulation light to deliver no less than 100 lux across each tread. See escalator manufacturer detail drawings.

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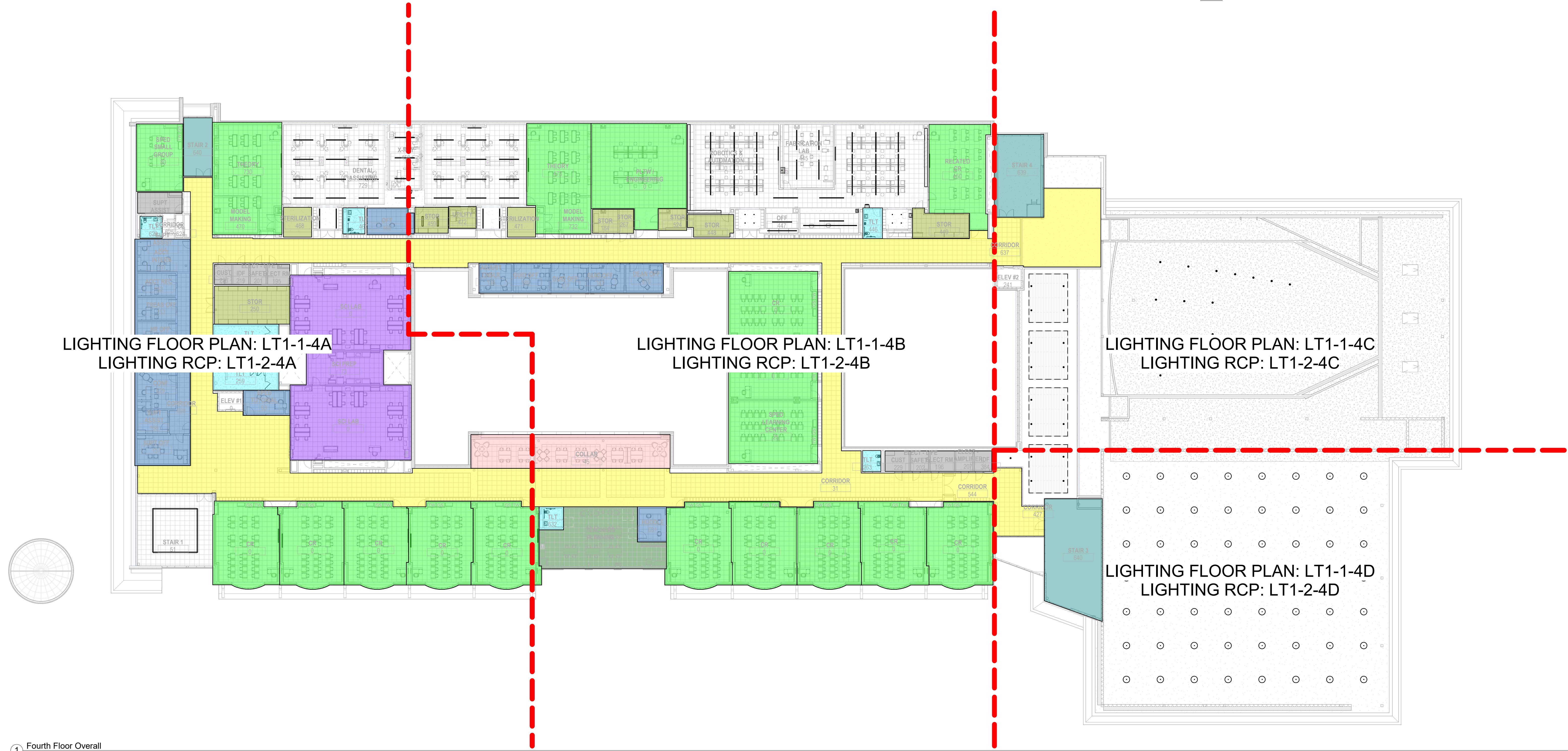
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Color Key:

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- Typical Office-See Drawing LT3-1-6-2
- Typical Auto Shop-See Drawing LT3-1-1-0
- Typical Corridor-See Drawing LT3-1-11-2
- Typical Classroom-See Drawing LT3-1-3-2
- Typical Computer Lab-See Drawing LT3-1-5-2
- Typical Small Group-See Drawing LT3-1-10-2
- Typical Science Lab-See Drawing LT3-1-7-2
- Typical Teachers Planning-See Drawing LT3-1-4-2
- Typical Collab-See Drawing LT3-1-12-2
- Typical Toilets-See Drawing LT3-1-8-2 & LT3-1-9-2
- Typical Classroom Storage-See Drawing LT3-1-3-2
- Typical Shop Meeting, Shop Storage, and Classroom-See Drawing LT3-1-2-1
- Typical Stair-See Drawing LT3-1-9-2
- See Electrical Engineer's Drawings



1 Fourth Floor Overall
1" = 20'-0"

DRA

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A

B

C

D

KEY PLAN

PROJECT NORTH

MAGNETIC NORTH

Lighting Overall
Fourth Reflected
Ceiling Plan

Scale: As indicated
Job No.: 20202
Drawn By: AL
Date: August 4th, 2022

LT1-2-4

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General Notes:

- See Architectural drawings for all mounting details and corresponding specifications. Lighting fixture manufacturer to approve mounting details prior to first order.
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All public elevators with integral circulation light to deliver no less than 100 lux across each head. See escalator manufacturer detail drawings.

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Notes:

◆ Lettered notes for this sheet only ◆

A	3.5'8" Tall by 3.5'8" Wide Pendant mounted direct-indirect LED fixture (Type LPA). Typical.
BK	4" Aperture pendant-mount LED linear direct-indirect with fully adjustable mounting (Type LPO). Typical.
R	4" Tall by 2.1/4" Wide Recessed fixture (Type RA). Typical.

Color Key:

- Typical Shop-See Drawing LT3-1-2-1
- Typical Office-See Drawing LT3-1-6-2
- Typical Auto Shop-See Drawing LT3-1-1-0
- Typical Corridor-See Drawing LT3-1-11-2
- Typical Classroom-See Drawing LT3-1-3-2
- Typical Computer Lab-See Drawing LT3-1-5-2
- Typical Small Group-See Drawing LT3-1-10-2
- Typical Science Lab-See Drawing LT3-1-7-2
- Typical Teachers Planning-See Drawing LT3-1-4-2
- Typical Collab-See Drawing LT3-1-12-2
- Typical Toilets-See Drawing LT3-1-8-2 & LT3-1-9-2
- Typical Classroom Storage-See Drawing LT3-1-3-2
- Typical Shop Meeting, Shop Storage, and Classroom-See Drawing LT3-1-2-1
- Typical Stair-See Drawing LT3-1-9-2
- See Electrical Engineer's Drawings



① Level 4 - Area A
3/32" = 1'-0"



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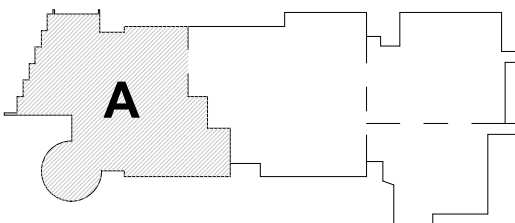
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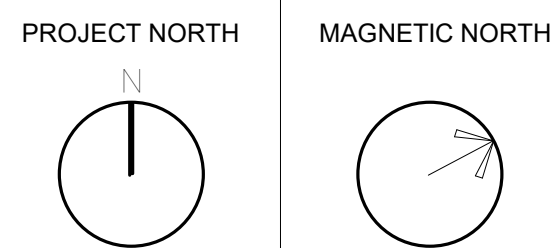
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August 4th, 2022



KEY PLAN



Lighting Fourth
Reflected Ceiling
Plan - Area A

Scale: As indicated
Job No.: 20202
Drawn By: AL
Date: August 4th, 2022

LT1-2-4A

General Notes:

- See Architectural drawings for all mounting details and corresponding specifications. Lighting fixture manufacturer to approve mounting details prior to first order.
- Contractor shall verify that all lighting equipment specified, in its application on this project, complies with all applicable national and local codes, ordinances, regulations and jurisdictions prior to ordering any equipment.
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- All unistrut must be permanently secured so that no deflection or rotation occurs when fixtures are mounted at varying angles.
- All C-clamp and unistrut mounted light fixtures will employ safety cables supplied by the appropriate fixture manufacturer.
- For all remote location dimmers, the electrical contractor shall provide separate neutrals for each dimming circuit (i.e. no common neutrals).
- A line item price for the cost to provide and install each lighting fixture type is required.

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All public elevators with integral circulation light to deliver no less than 100 lux across floor of cab. See elevator manufacturer detail drawings.

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Notes:

◆ Lettered notes for this sheet only ◆

A	3.58" Tall by 3.58" Wide Pendant mounted direct-indirect LED fixture (Type LPA). Typical.
AA	10.58" Tall by 13.13/32" Wide Indirect wall-wash cove system mounted to ceiling (Type RLB). Typical.
C	6.5" W x 4.2" H x 4" surface-mounted low profile linear fixture (Type LSG). Typical.
R	4" Tall by 2.14" Wide Recessed Fixture (Type RLA). Typical.
W	4" Long by 4.38" Tall recessed linear fixture mounted in gyp. ceiling (Type RC). Typical.

Color Key:

- Typical Shop-See Drawing LT3-1-2-1
- Typical Office-See Drawing LT3-1-6-2
- Typical Auto Shop-See Drawing LT3-1-1-0
- Typical Corridor-See Drawing LT3-1-11-2
- Typical Classroom-See Drawing LT3-1-3-2
- Typical Computer Lab-See Drawing LT3-1-5-2
- Typical Small Group-See Drawing LT3-1-10-2
- Typical Science Lab-See Drawing LT3-1-7-2
- Typical Teachers Planning-See Drawing LT3-1-4-2
- Typical Collab-See Drawing LT3-1-12-2
- Typical Toilets-See Drawing LT3-1-8-2 & LT3-1-9-2
- Typical Classroom Storage-See Drawing LT3-1-3-2
- Typical Shop Meeting, Shop Storage, and Classroom-See Drawing LT3-1-2-1
- Typical Stair-See Drawing LT3-1-9-2
- See Electrical Engineer's Drawings



1 Level 4 - Area B
3/32" = 1'-0"



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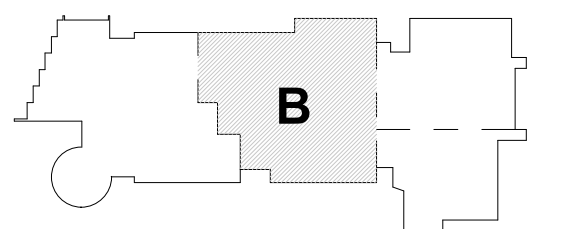
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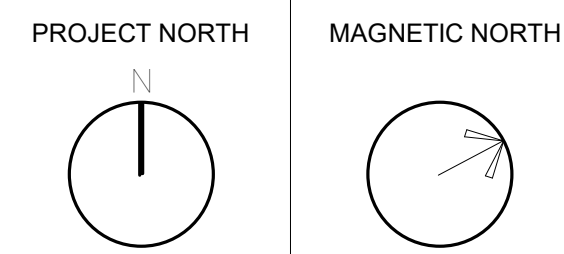
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August 4th, 2022



KEY PLAN



Lighting Fourth
Reflected Ceiling
Plan - Area B

Scale: As indicated
Job No.: 20202
Drawn By: AL
Date: August 4th, 2022

LT1-2-4B

See Architectural drawings for all mounting details and corresponding specifications. Light fixture manufacturer to approve mounting details prior to final order.

Contractor to verify that all lighting is installed in accordance with applicable codes and regulations for all applicable national and local codes, ordinances, regulations and jurisdictions prior to final equipment.

Do not scale electrical drawing for exact location of the lighting fixtures. In general, the electrical reflected on plans indicate the proper location of lighting fixtures.

Written directions on drawing shall be followed. Contractor shall be responsible for the location and manufacturers shall verify and be responsible for all dimensions and conditions on the job and shall be responsible for lighting layout and design. Contractor shall be responsible for lighting layout and design.

All 40mm schedule 40 black steel pipe must be permanently secured such that no deflection or rotation occurs when fixtures are mounted at varying angles.

All fixtures must be permanently secured such that no deflection or rotation occurs when fixtures are mounted at varying angles.

All C-Channel and unistrut mounted light fixtures will supply safety cables supplied by the appropriate fixture manufacturer.

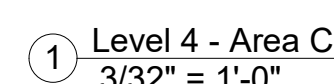
For all remote location directions, the electrical contractor shall provide separate manuals for each direction (i.e., no common directions).

A time item price for the cost to provide and install each lighting fixture type is required.

Lettered notes for this sheet only	
BC	2" High x 4" wide linear cove fixture with asymmetric distribution. Typical. (Type LSR)
BL	6" Diameter pendant-mount direct/indirect LED adjustable cylinder (Type GPH). Typical.
N	7" Diameter pendant mounted LED fixture with 46" medium flood reflector (Type PC). Typical.
Z	Elevator Cab Lighting by Elevator Cab Vendor. Cab Lighting should be 3000K or 85 CRI min.

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	Typical Shop-See Drawing LT3-1-2-1
	Typical Office-See Drawing LT3-1-6-2
	Typical Auto Shop-See Drawing LT3-1-1-0
	Typical Corridor-See Drawing LT3-1-11-2
	Typical Classroom-See Drawing LT3-1-3-2
	Typical Computer Lab-See Drawing LT3-1-5-2
	Typical Small Group-See Drawing LT3-1-10-2
	Typical Science Lab-See Drawing LT3-1-7-2
	Typical Teachers Planning-See Drawing LT3-1-4-2
	Typical Collab-See Drawing LT3-1-12-2
	Typical Toilets-See Drawing LT3-1-8-2 & LT3-1-9-2
	Typical Classroom Storage-See Drawing LT3-1-3-2
	Typical Shop Meeting, Shop Storage, and Classroom-See Drawing LT3-1-2-1
	Typical Stair-See Drawing LT3-1-9-2
	See Electrical Engineer's Drawings

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All public elevators with integral circulation light to deliver no less than 100 lux across floor of cab. See elevator manufacturer detail drawings.

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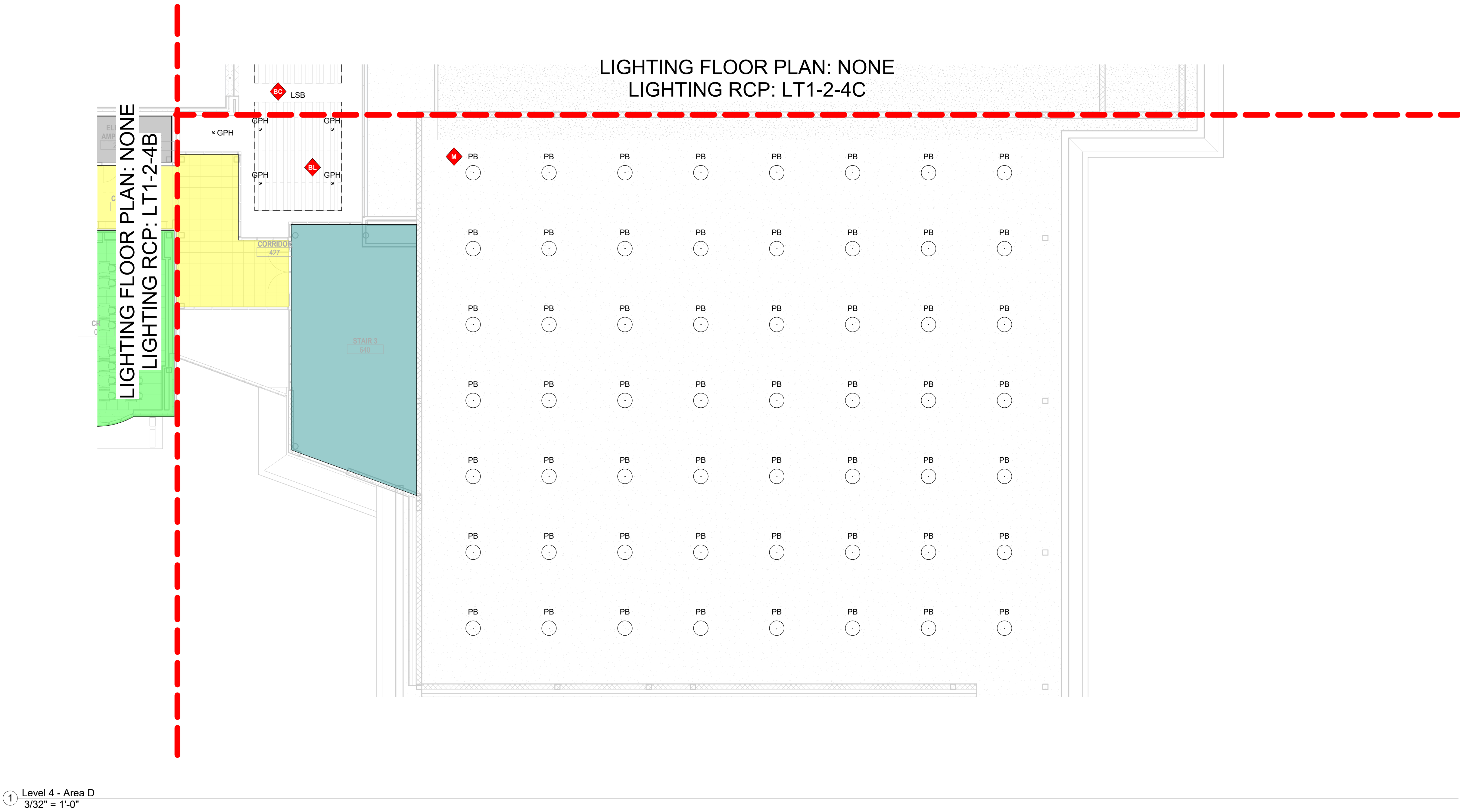
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Notes:

◆ Lettered notes for this sheet only ◆		
BC	2" High x 4" wide linear cove fixture with asymmetric distribution. Typical. (Type LSB)	
BL	6" Diameter pendant-mount direct/indirect LED adjustable cylinder. (Type GPH). Typical.	
M	16.24" Diameter x 4.44" Tall. Pendant mounted fixture (Type PB). Typical.	

Color Key:

- Typical Shop-See Drawing LT3-1-2-1
- Typical Office-See Drawing LT3-1-6-2
- Typical Auto Shop-See Drawing LT3-1-1-0
- Typical Corridor-See Drawing LT3-1-11-2
- Typical Classroom-See Drawing LT3-1-3-2
- Typical Computer Lab-See Drawing LT3-1-5-2
- Typical Small Group-See Drawing LT3-1-10-2
- Typical Science Lab-See Drawing LT3-1-7-2
- Typical Teachers Planning-See Drawing LT3-1-4-2
- Typical Collab-See Drawing LT3-1-12-2
- Typical Toilets-See Drawing LT3-1-8-2 & LT3-1-9-2
- Typical Classroom Storage-See Drawing LT3-1-3-2
- Typical Shop Meeting, Shop Storage, and Classroom-See Drawing LT3-1-2-1
- Typical Stair-See Drawing LT3-1-9-2
- See Electrical Engineer's Drawings



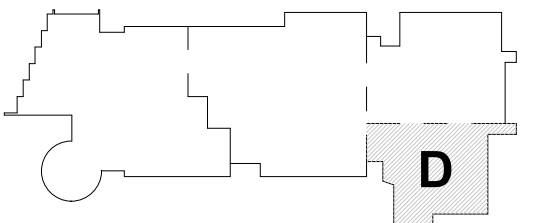
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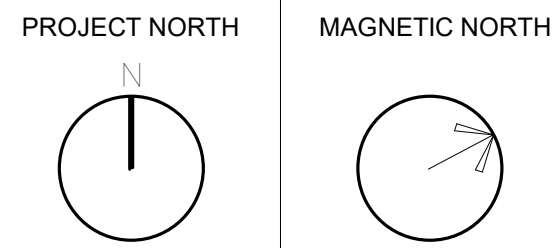
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KEY PLAN



**Lighting Fourth
Reflected Ceiling
Plan - Area D**

Scale: As indicated
Job No.: 20202
Drawn By: AL
Date: August 4th, 2022

LT1-2-4D

General Notes:

- See Architectural drawings for all mounting details and corresponding specifications. Lighting fixture manufacturer to approve mounting details prior to first order.
- Contractor shall verify that all lighting equipment specified in its application on this project complies with all applicable national and local codes, ordinances, regulations and jurisdictions prior to ordering any equipment.
- Do not scale electrical drawing for exact location of the lighting fixtures. In general, the architectural reflected ceiling plans indicate the proper location of lighting fixtures.
- Written dimensions on drawings shall have authority over scaled measurements. Contractors and manufacturers shall verify and be responsible for all dimensions and conditions on the job and inform Available Light of all variations from drawings prior to performing the work.
- All 40mm schedule 40 black steel pipe must be permanently secured so that no deflection or rotation occurs when fixtures are mounted at varying angles.
- All C-clamp and unistrut mounted light fixtures will employ safety cables supplied by the appropriate fixture manufacturer.
- For all remote location dimmers, the electrical contractor shall provide separate neutrals for each dimming circuit (i.e. no common neutrals).
- A line item price for the cost to provide and install each lighting fixture type is required.

All public elevators with integral circulation light to deliver no less than 100 lux across each tread. See escalator manufacturer detail drawings.

All public elevators with integral circulation light to deliver no less than 100 lux across floor of cab. See elevator manufacturer detail drawings.

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Notes:

◆ Lettered notes for this sheet only ◆

B 7.38' W x 5' H x 8' L surface mount linear fixture (Type LSD). Typical.
S 2x2 Recessed troffer mounted in ACT ceiling (Type RA) Typical.



1 Lower Level - Below Mezzanine
3/16" = 1'-0"

2 Lower Level - Typical Auto Shop
3/16" = 1'-0"



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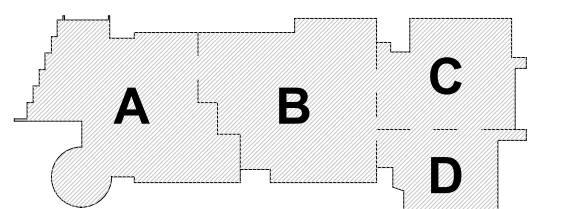
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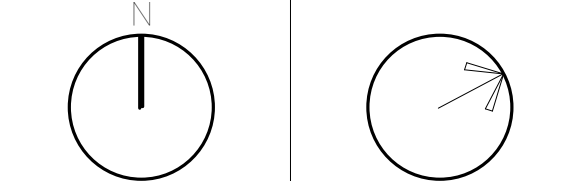
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August 4th, 2022



KEY PLAN

PROJECT NORTH MAGNETIC NORTH



**Typical Auto
Shop**

Scale: As indicated
Job No.: 20202
Drawn By: AL
Date: August 4th, 2022

LT3-1-1-0

General Notes:

- See Architectural drawings for all mounting details and corresponding specifications. Lighting fixture manufacturer to approve mounting details prior to first order.
- Contractor shall verify that all lighting equipment specified, in its application on this project, complies with all applicable national and local codes, ordinances, regulations and jurisdictions prior to ordering any equipment.
- Do not scale electrical drawing for exact location of the lighting fixtures. In general, the architectural reflected ceiling plans indicate the proper location of lighting fixtures.
- Written dimensions on drawings shall have authority over scaled measurements. Contractors and manufacturers shall verify and be responsible for all dimensions and conditions on the job and inform Available Light of all variations from drawings prior to performing the work.
- All 40mm schedule 40 black steel pipe must be permanently secured so that no deflection or rotation occurs when fixtures are mounted at varying angles.
- All unistrut must be permanently secured so that no deflection or rotation occurs when fixtures are mounted at varying angles.
- All C-clamp and unistrut mounted light fixtures will employ safety cables supplied by the appropriate fixture manufacturer.
- For all remote location dimmers, the electrical contractor shall provide separate neutrals for each dimming circuit (i.e. no common neutrals).
- A line item price for the cost to provide and install each lighting fixture type is required.

All public escalators with integral circulation light to deliver no less than 100 lux across each tread. See escalator manufacturer detail drawings.

All public elevators with integral circulation light to deliver no less than 100 lux across floor of cab. See elevator manufacturer detail drawings.

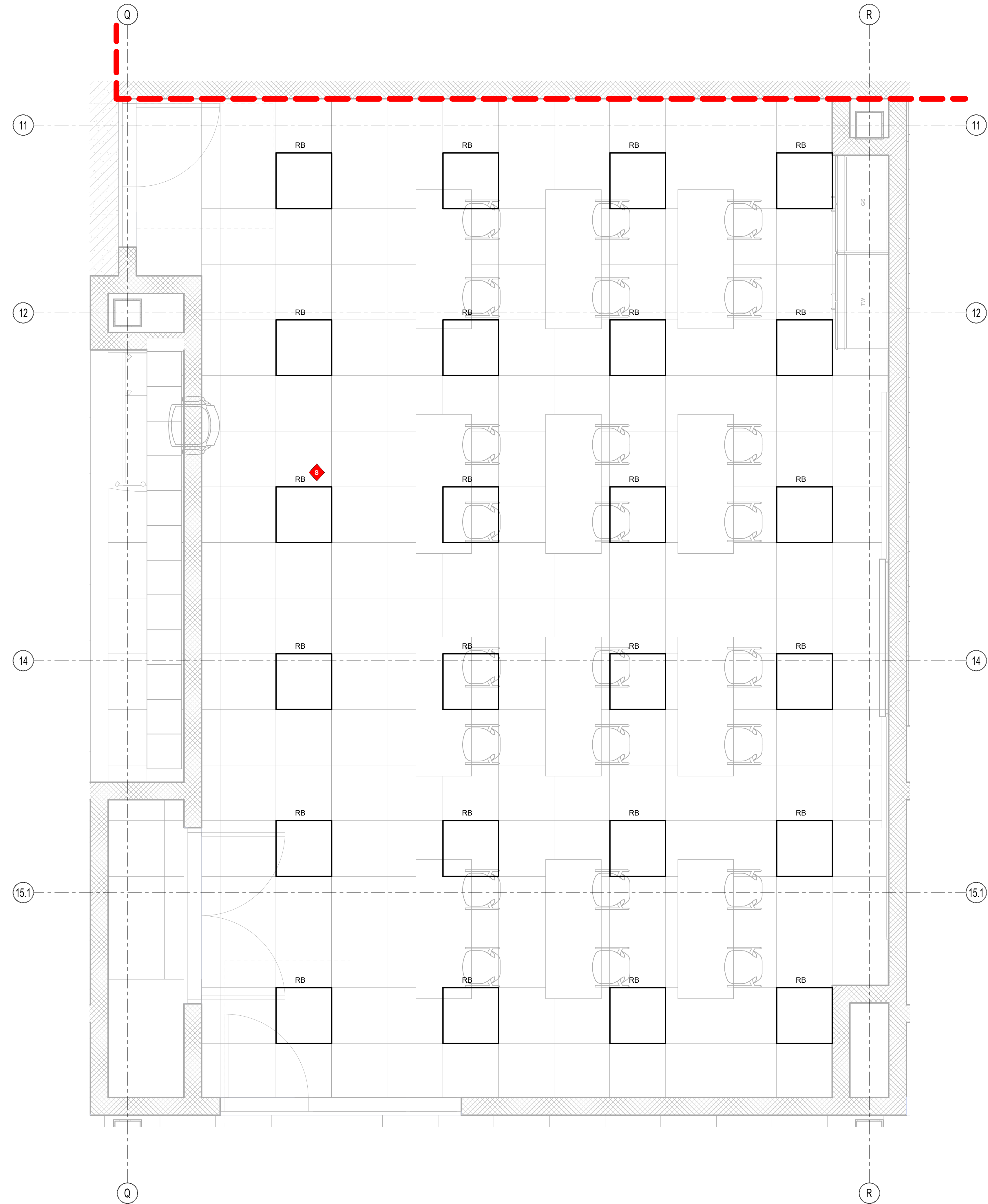
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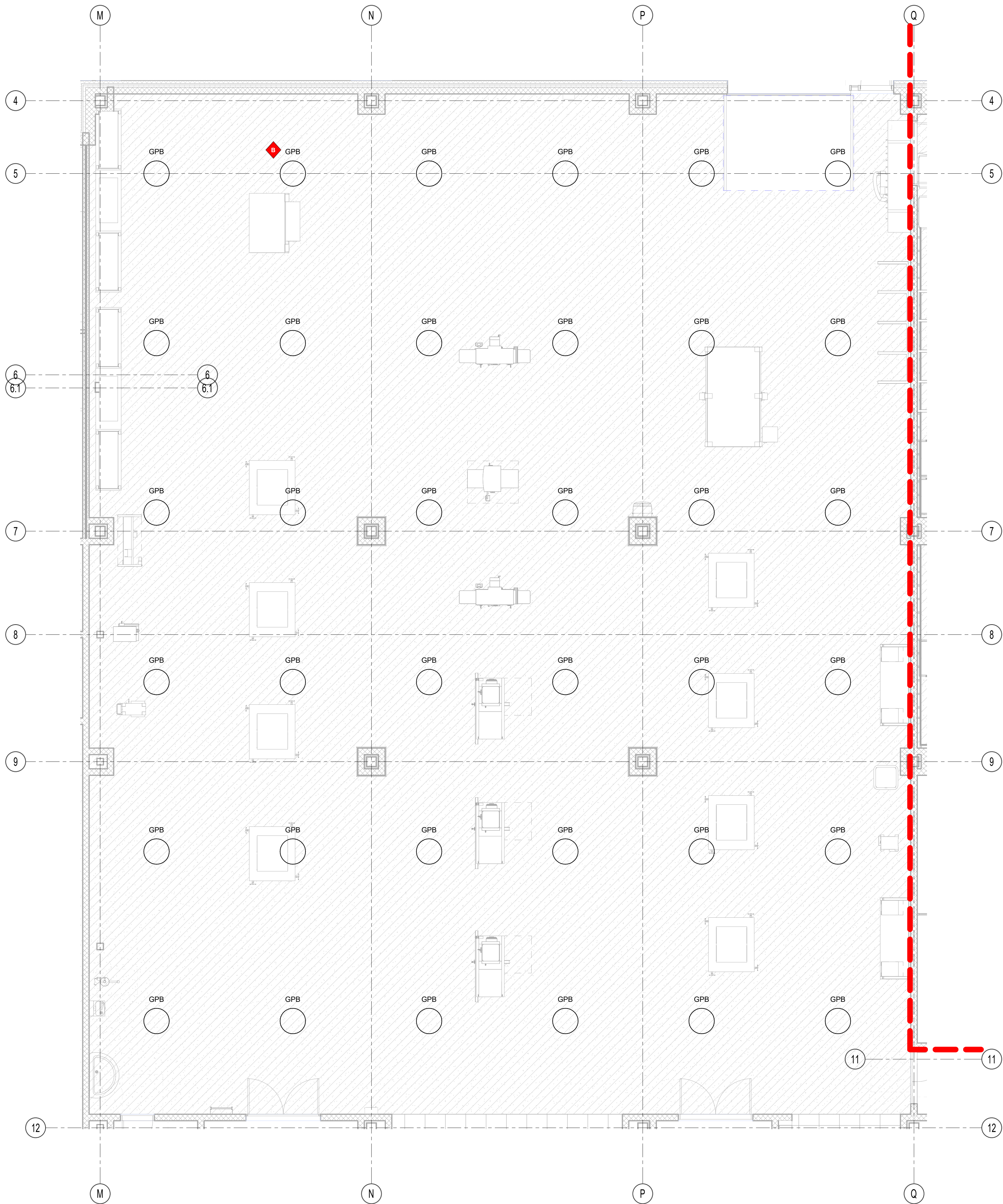
Notes:

◆ Lettered notes for this sheet only

B 18.3" Wide x 26.1" Tall pendant mounted LED high-bay fixture
S 2x4" Recessed troffer mounted in ACI ceiling (Type RA) Typical.



First Floor - Typical Shop Classroom (same fixture types and spacing also applies for Typical Shop Storage and Meeting Areas)
1/12" = 1'-0"



First Floor - Typical Shop
3/16" = 1'-0"

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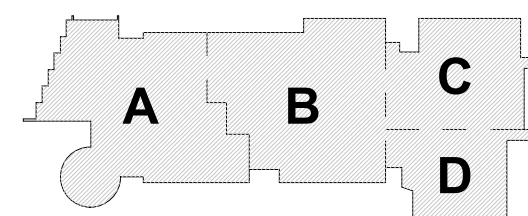
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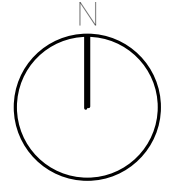
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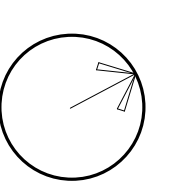


KEY PLAN

PROJECT NORTH



MAGNETIC NORTH



Typical Shop and
Shop Classroom

Scale: As indicated

Job No.: 20202

Drawn By: AL

Date: August 4th, 2022

LT3-1-2-1

General Notes:

- See Architectural drawings for all mounting details and corresponding specifications. Lighting fixture manufacturer to approve mounting details prior to first order.
- Contractor shall verify that all lighting equipment specified, in its application on this project, complies with all applicable national and local codes, ordinances, regulations and jurisdictions prior to ordering any equipment.
- Do not scale electrical drawing for exact location of the lighting fixtures. In general, the architectural reflected ceiling plans indicate the proper location of lighting fixtures.
- Written dimensions on drawings shall have authority over scaled measurements. Contractors and manufacturers shall verify and be responsible for all dimensions and conditions on the job and inform Available Light of all variations from drawings prior to performing the work.
- All 40mm schedule 40 black steel pipe must be permanently secured so that no deflection or vibration occurs when fixtures are mounted at varying angles.
- All unistrut must be permanently secured so that no deflection or rotation occurs when fixtures are mounted at varying angles.
- All C-clamp and unistrut mounted light fixtures will employ safety cables supplied by the appropriate fixture manufacturer.
- For all remote location dimmers, the electrical contractor shall provide separate neutrals for each dimming circuit (i.e. no common neutrals).
- A line item price for the cost to provide and install each lighting fixture type is required.

All public escalators with integral circulation light to deliver no less than 100 lux across each tread. See escalator manufacturer detail drawings.

All public elevators with integral circulation light to deliver no less than 100 lux across floor of cab. See elevator manufacturer detail drawings.

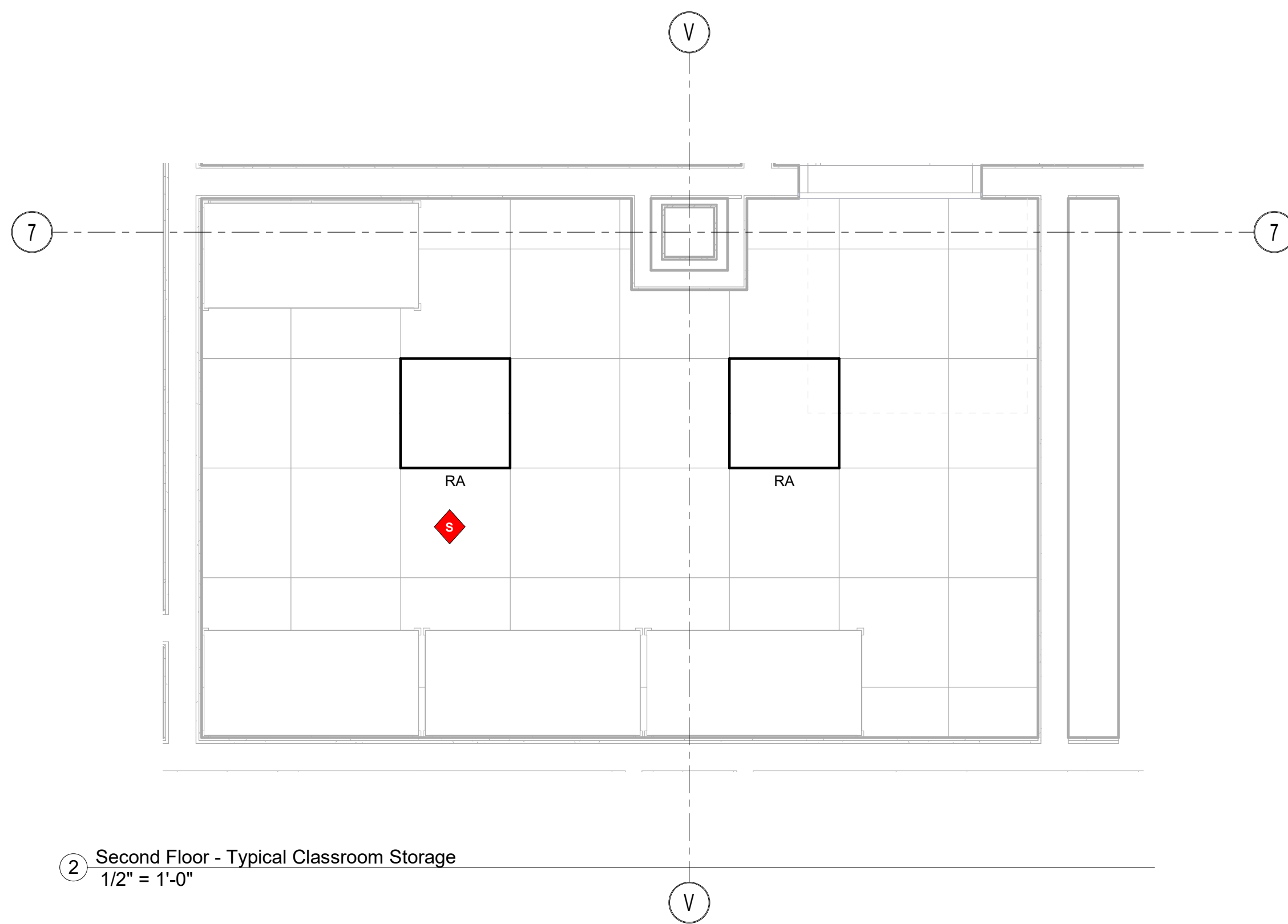
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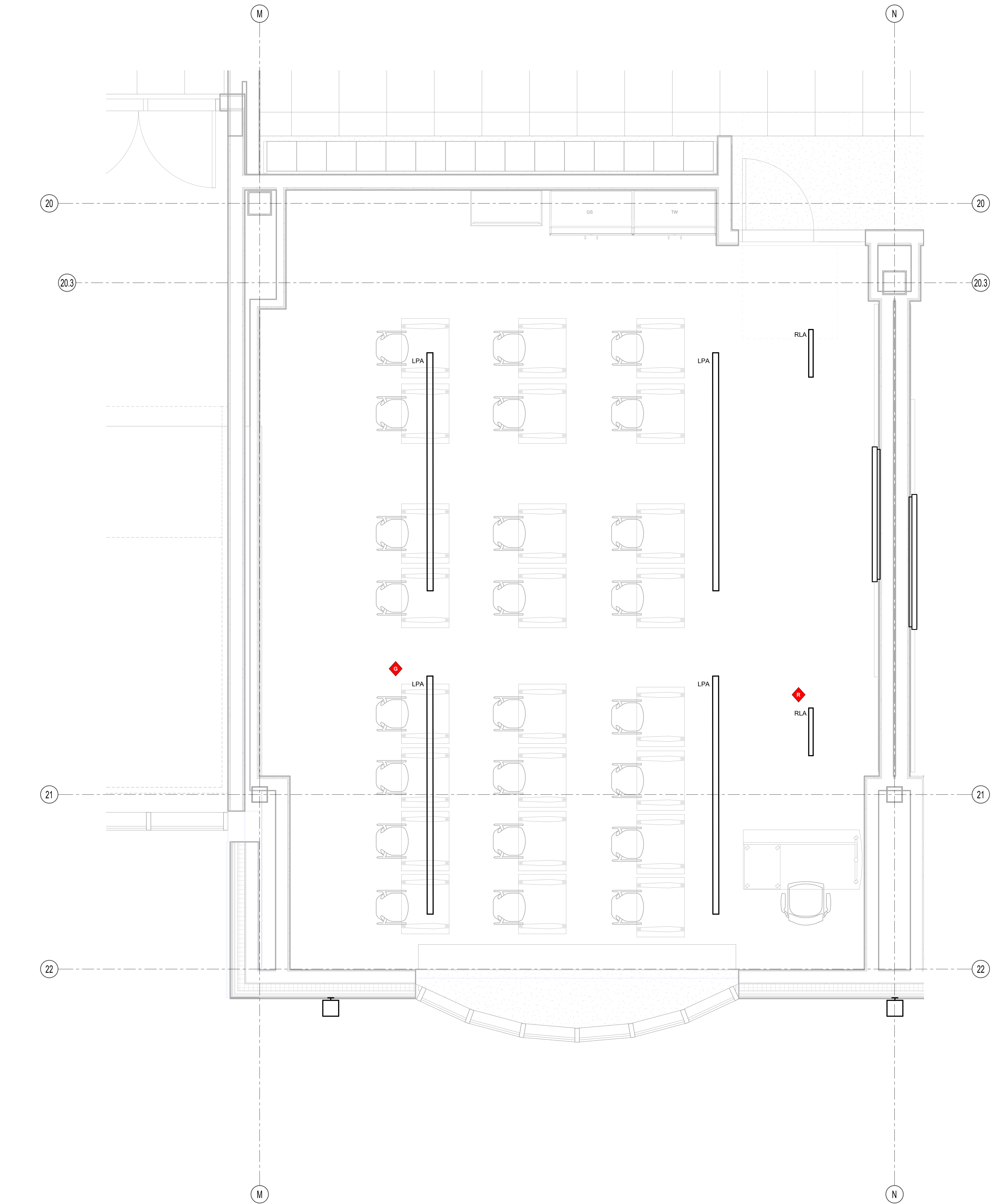
Notes:

◆ Lettered notes for this sheet only ◆

G	3 5/8" Tall by 3 5/8" Wide Pendant mounted direct-indirect LED fixture (Type LPA). Typical.
R	4" Tall by 2 1/4" Wide Recessed Fixture (Type RLA). Typical.
S	ZxZ Recessed troffer mounted in ACT ceiling. (Type RA) Typical.



② Second Floor - Typical Classroom Storage
1/2" = 1'-0"



① Second Floor - Typical Classroom
1/2" = 1'-0"



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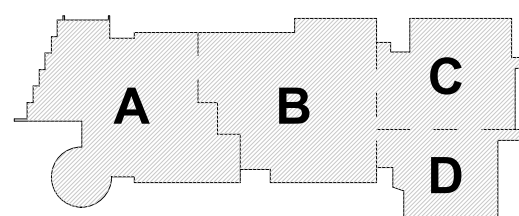
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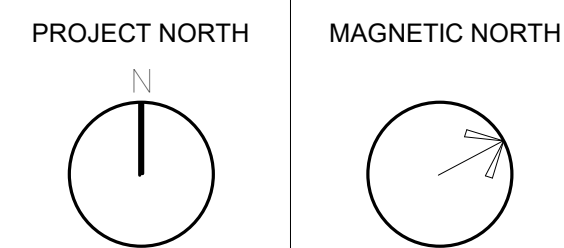
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KEY PLAN



Typical
Classroom and
Classroom
Storage

Scale: As indicated
Job No.: 20202
Drawn By: AL
Date: August 4th, 2022

LT3-1-3-2

- General Notes:**
- See Architectural drawings for all mounting details and corresponding specifications. Lighting fixture manufacturer to approve mounting details prior to first order.
 - Contractor shall verify that all lighting equipment specified, in its application on this project, complies with all applicable national and local codes, ordinances, regulations and jurisdictions prior to ordering any equipment.
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 - For all remote location dimmers, the electrical contractor shall provide separate neutrals for each dimming circuit (i.e. no common neutrals).
 - A line item price for the cost to provide and install each lighting fixture type is required.

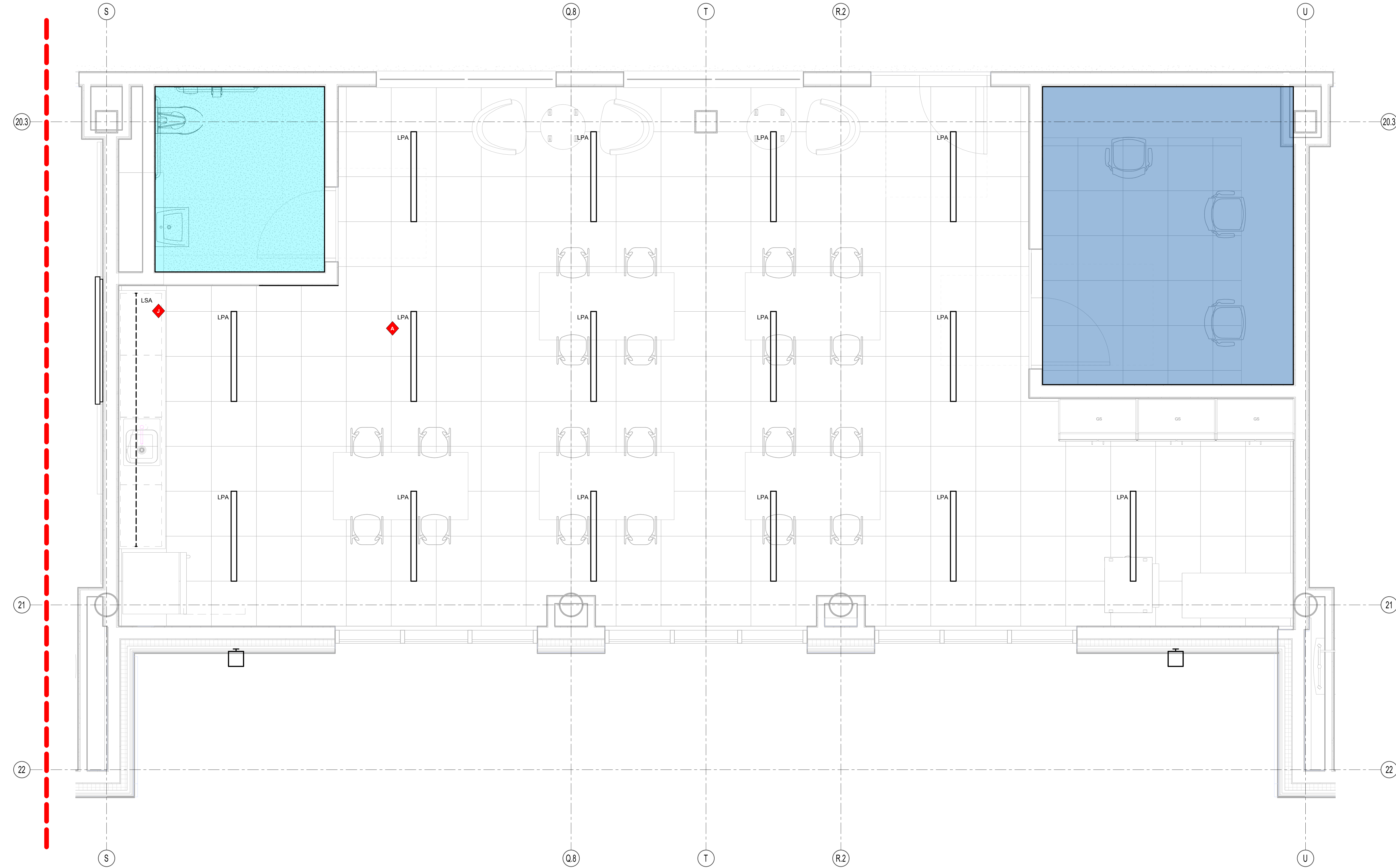
All public escalators with integral circulation light to deliver no less than 100 lux across each tread. See escalator manufacturer detail drawings.

All public elevators with integral circulation light to deliver no less than 100 lux across floor of cab. See elevator manufacturer detail drawings.

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- Notes:**
- ◆ **Lettered notes for this sheet only** ◆
- A 3.58' Tall by 3.58' Wide Pendant mounted direct-indirect LED fixture (Type LPA). Typical.
- J 1" Wide linear LED fixture mounted underneath cabinets (Type LSA). Typical.



1 Second Floor - Typical Teacher Planning
1/2" = 1'-0"



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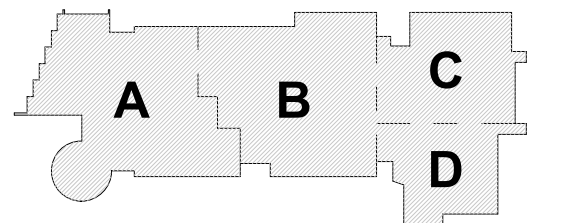
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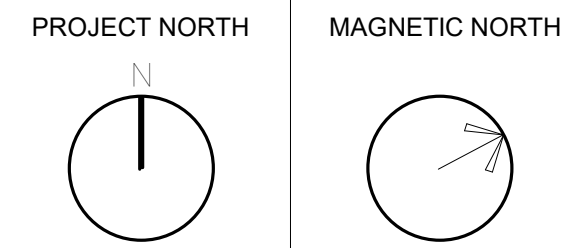
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August 4th, 2022



KEY PLAN



Typical Teacher Planning

Scale: As indicated
Job No.: 20202
Drawn By: AL
Date: August 4th, 2022

LT3-1-4-2

General Notes:

- See Architectural drawings for all mounting details and corresponding specifications. Lighting fixture manufacturer to approve mounting details prior to first order.
- Contractor shall verify that all lighting equipment specified in its application on this project complies with all applicable national and local codes, ordinances, regulations and jurisdictions prior to ordering any equipment.
- Do not scale electrical drawing for exact location of the lighting fixtures. In general, the architectural reflected ceiling plans indicate the proper location of lighting fixtures.
- Written dimensions on drawings shall have authority over scaled measurements. Contractors and manufacturers shall verify and be responsible for all dimensions and conditions on the job and inform Available Light of all variations from drawings prior to performing the work.
- All 40mm schedule 40 black steel pipe must be permanently secured so that no deflection or vibration occurs when fixtures are mounted at varying angles.
- All unistrut must be permanently secured so that no deflection or rotation occurs when fixtures are mounted at varying angles.
- All C-clamp and unistrut mounted light fixtures will employ safety cables supplied by the appropriate fixture manufacturer.
- For all remote location dimmers, the electrical contractor shall provide separate neutrals for each dimming circuit (i.e. no common neutrals).
- A line item price for the cost to provide and install each lighting fixture type is required.

All public escalators with integral circulation light to deliver no less than 100 lux across each tread. See escalator manufacturer detail drawings.

All public elevators with integral circulation light to deliver no less than 100 lux across floor of cab. See elevator manufacturer detail drawings.

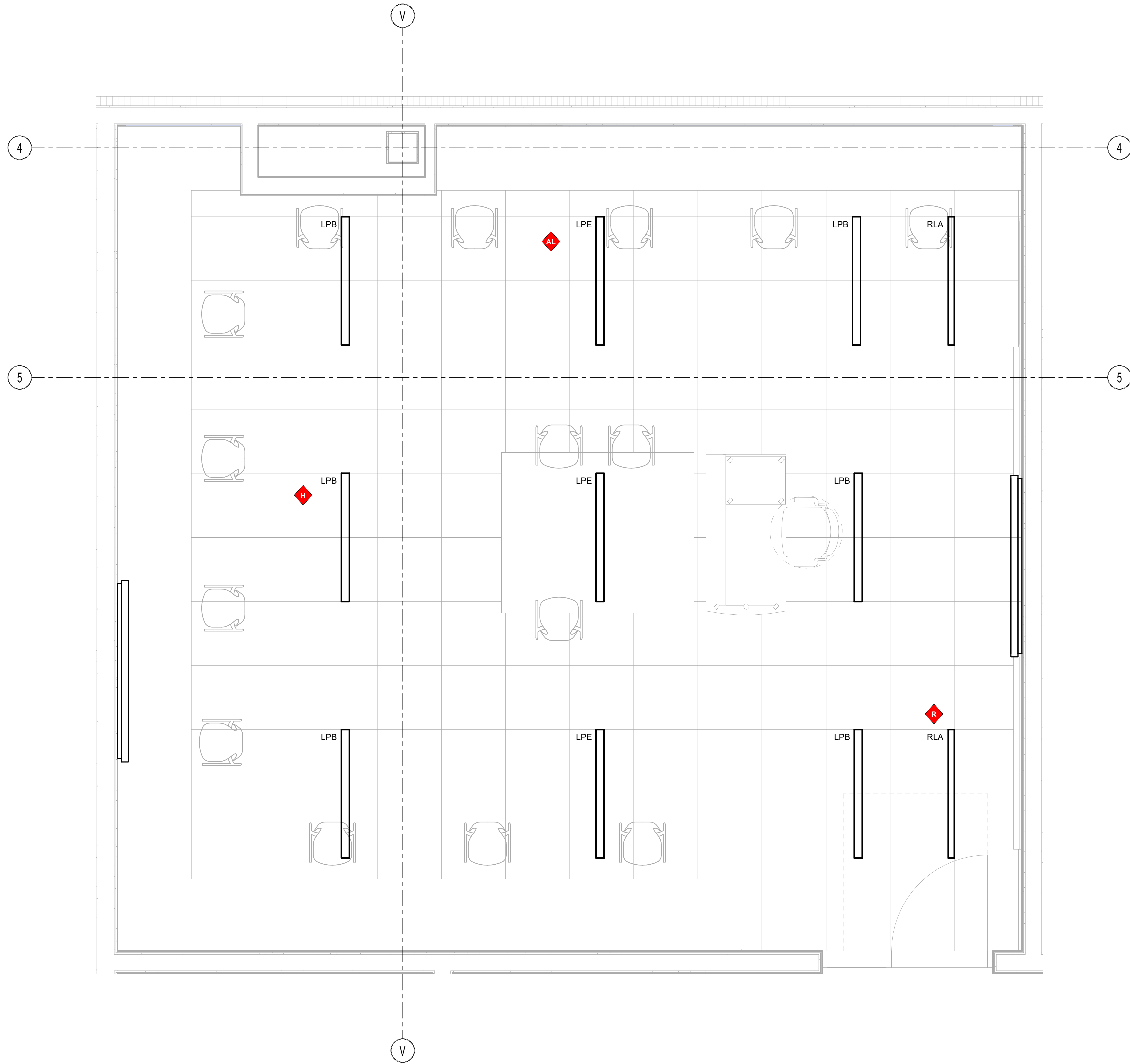
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Notes:

◆ Lettered notes for this sheet only ◆

AL	4 3/4" Tall by 2 1/4" Wide pendant mounted direct-indirect fixture (Type LPE). Typical.
H	4" Tall by 2 1/4" Wide pendant mounted indirect fixture (Type LPB). Typical.
R	4" Tall by 2 1/4" Wide Recessed Fixture (Type RLA). Typical.



1 Second Floor - Computer Lab
1/2" = 1'-0"



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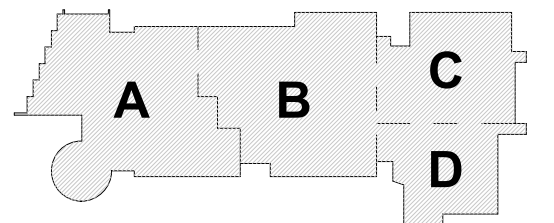
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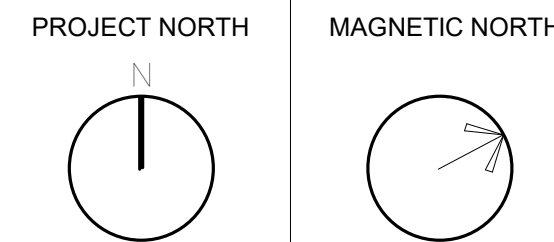
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August 4th, 2022



KEY PLAN



**Typical Computer
Lab**

Scale: As indicated
Job No.: 20202
Drawn By: AL
Date: August 4th, 2022

LT3-1-5-2

General Notes:

- See Architectural drawings for all mounting details and corresponding specifications. Lighting fixture manufacturer to approve mounting details prior to final order.
- Contractor shall verify that all lighting equipment specified, in its application on this project, complies with all applicable national and local codes, ordinances, regulations and jurisdictions prior to ordering any equipment.
- Do not scale electrical drawing for exact location of the lighting fixtures. In general, the architectural reflected ceiling plans indicate the proper location of lighting fixtures.
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- All unistrut must be permanently secured so that no deflection or rotation occurs when fixtures are mounted at varying angles.
- All C-clamp and unistrut mounted light fixtures will employ safety cables supplied by the appropriate fixture manufacturer.
- For all remote location dimmers, the electrical contractor shall provide separate neutrals for each dimming circuit (i.e. no common neutrals).
- A line item price for the cost to provide and install each lighting fixture type is required.

All public escalators with integral circulation light to deliver no less than 100 lux across each tread. See escalator manufacturer detail drawings.

All public elevators with integral circulation light to deliver no less than 100 lux across floor of cab. See elevator manufacturer detail drawings.

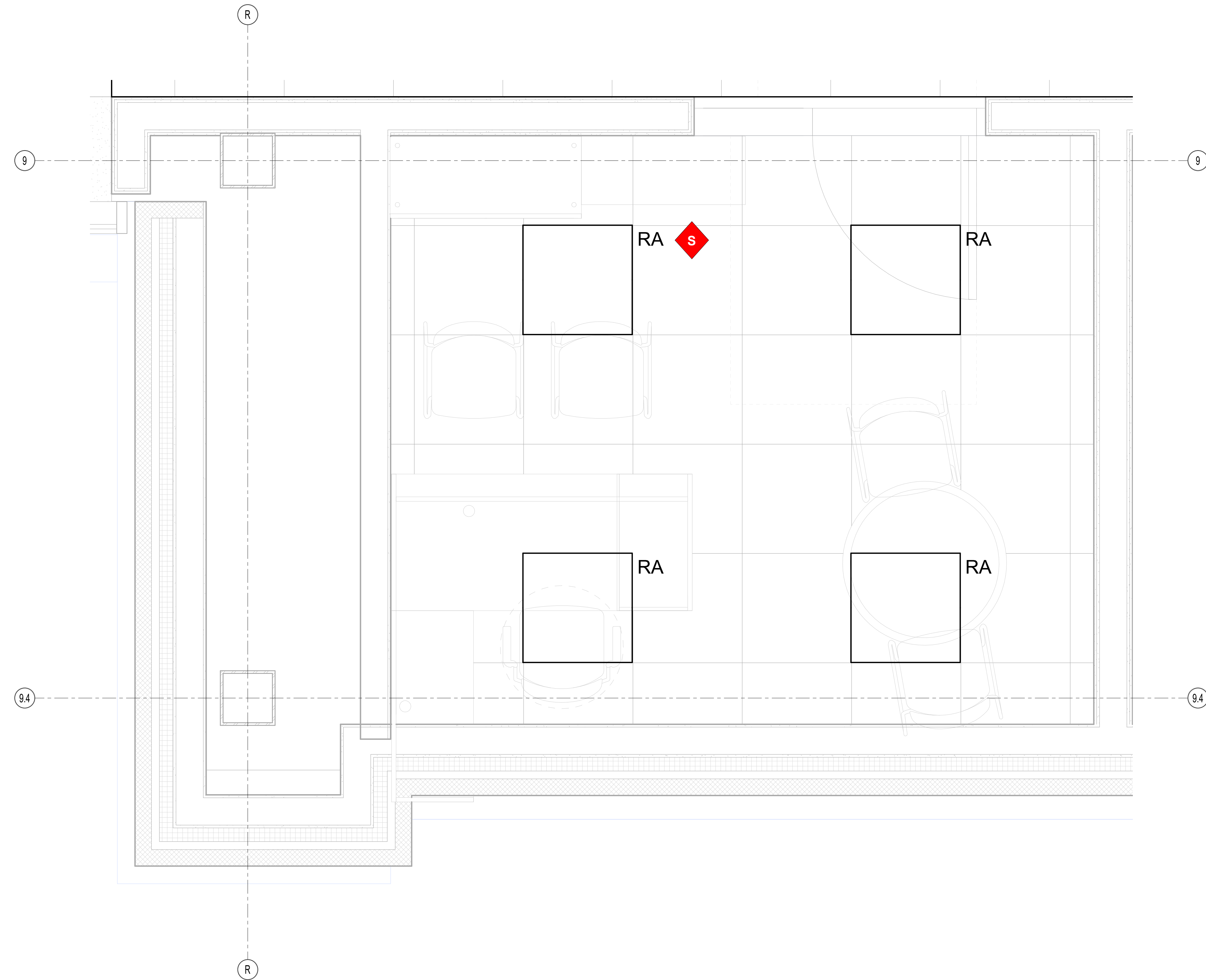
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Notes:

◆ Lettered notes for this sheet only

S 2x2' Recessed troffer mounted in ACT ceiling (Type RA) Typical.



1 Second Floor - Typical Office
1" = 1'-0"



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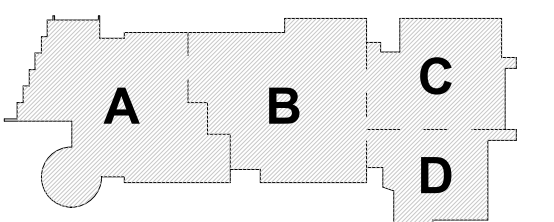
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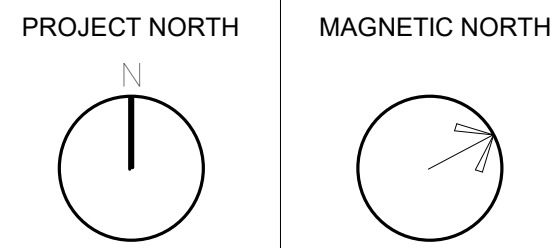
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KEY PLAN



Typical Office

Scale: As indicated
Job No.: 20202
Drawn By: AL
Date: August 4th, 2022

LT3-1-6-2

General Notes:

- See Architectural drawings for all mounting details and corresponding specifications. Lighting fixture manufacturer to approve mounting details prior to final order.
- Contractor shall verify that all lighting equipment specified in its application on this project complies with all applicable national and local codes, ordinances, regulations and jurisdictions prior to ordering any equipment.
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- For all remote location dimmers, the electrical contractor shall provide separate neutrals for each dimming circuit (i.e. no common neutrals).
- A line item price for the cost to provide and install each lighting fixture type is required.

All public elevators with integral circulation light to deliver no less than 100 lux across each head. See escalator manufacturer detail drawings.

All public elevators with integral circulation light to deliver no less than 100 lux across floor of cab. See elevator manufacturer detail drawings.

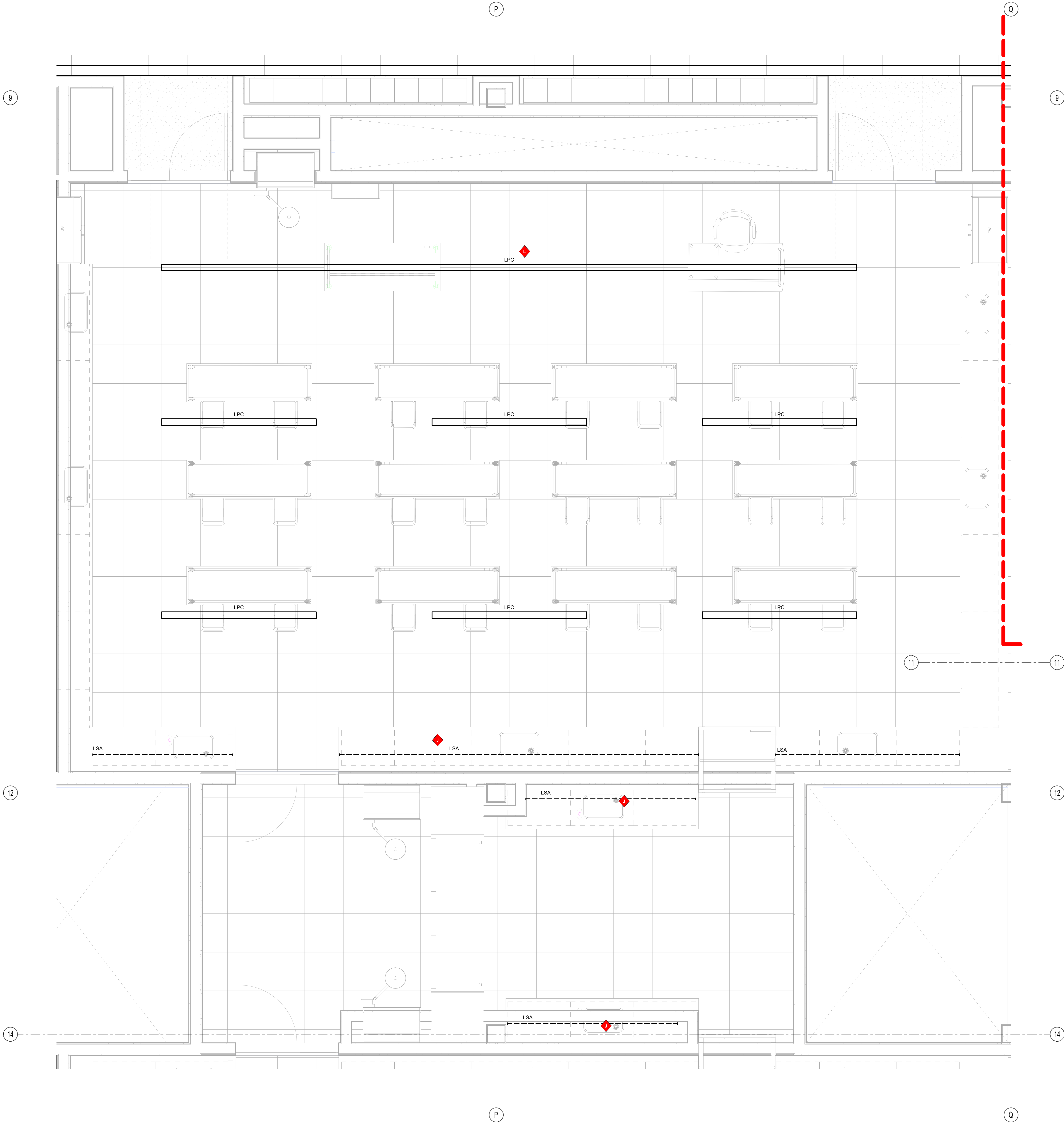
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Notes:

◆ Lettered notes for this sheet only

J 1" Wide linear LED fixture mounted underneath cabinets (Type LSA). Typical.
L 4" 1/2" Tall by 4" Wide pendant mounted direct-indirect fixture (Type LPC). Typical.



1 Second Floor - Typical Science Lab
1/2" = 1'-0"



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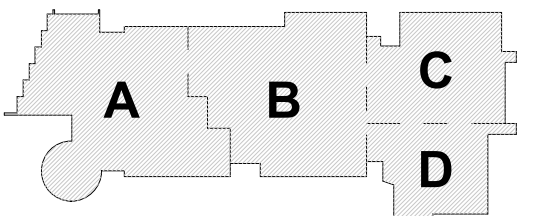
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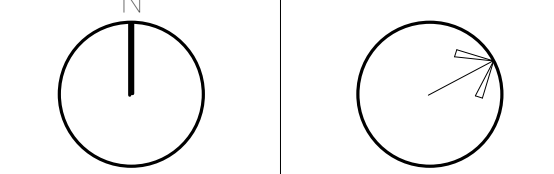
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August 4th, 2022



KEY PLAN

PROJECT NORTH MAGNETIC NORTH



Typical Science
Lab

Scale: As indicated
Job No.: 20202
Drawn By: AL
Date: August 4th, 2022

LT3-1-7-2

General Notes:

- See Architectural drawings for all mounting details and corresponding specifications. Lighting fixture manufacturer to approve mounting details prior to first order.
- Contractor shall verify that all lighting equipment specified, in its application on this project, complies with all applicable national and local codes, ordinances, regulations and jurisdictions prior to ordering any equipment.
- Do not scale electrical drawing for exact location of the lighting fixtures. In general, the architectural reflected ceiling plans indicate the proper location of lighting fixtures.
- Written dimensions on drawings shall have authority over scaled measurements. Contractors and manufacturers shall verify and be responsible for all dimensions and conditions on the job and inform Available Light of all variations from drawings prior to performing the work.
- All 40mm schedule 40 black steel pipe must be permanently secured so that no deflection or rotation occurs when fixtures are mounted at varying angles.
- All unistrut must be permanently secured so that no deflection or rotation occurs when fixtures are mounted at varying angles.
- All C-clamp and unistrut mounted light fixtures will employ safety cables supplied by the appropriate fixture manufacturer.
- For all remote location dimmers, the electrical contractor shall provide separate neutrals for each dimming circuit (i.e. no common neutrals).
- A line item price for the cost to provide and install each lighting fixture type is required.

All public escalators with integral circulation light to deliver no less than 100 lux across each tread. See escalator manufacturer detail drawings.

All public elevators with integral circulation light to deliver no less than 100 lux across floor of cab. See elevator manufacturer detail drawings.

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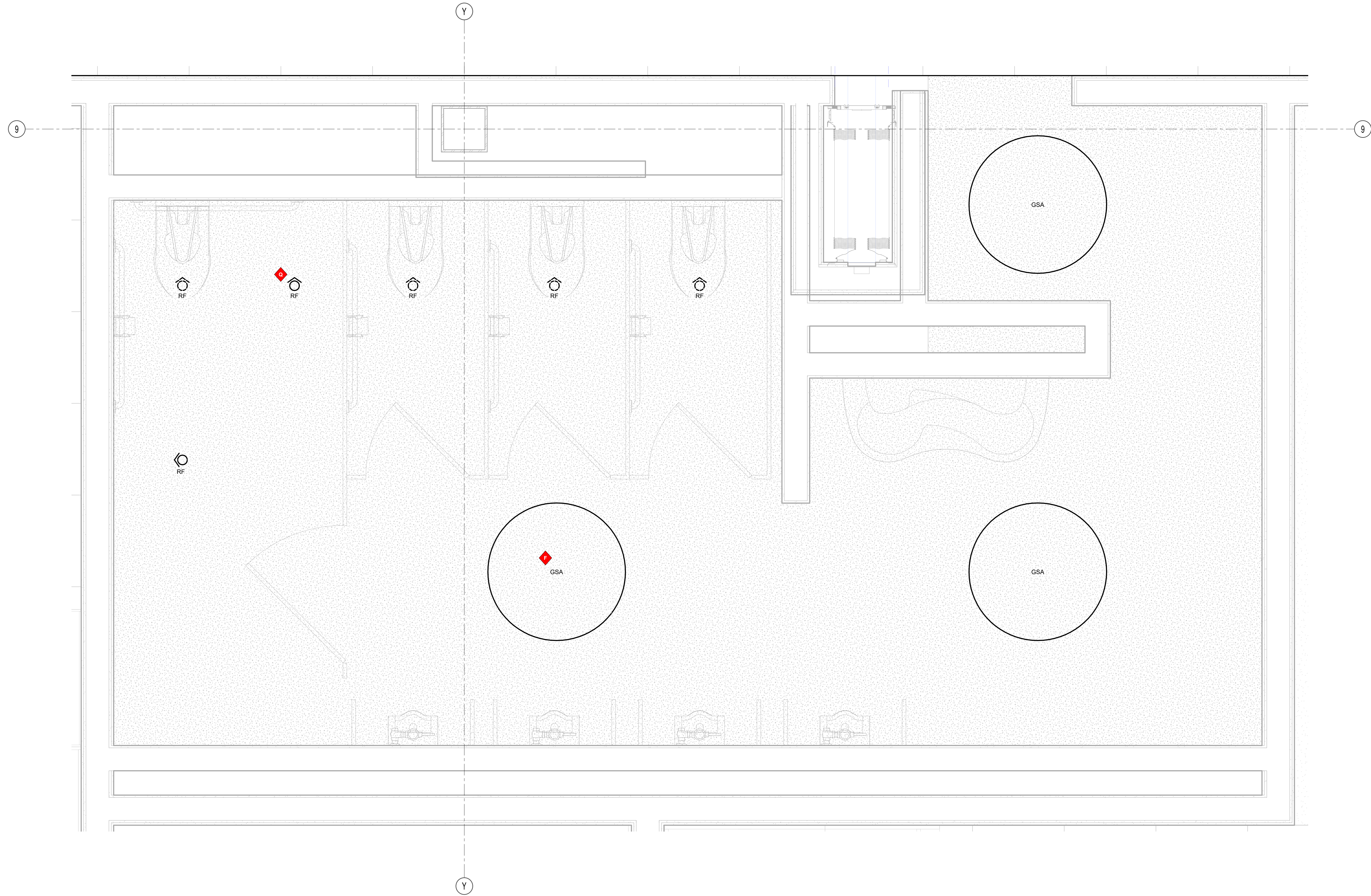
Notes:

◆ Lettered notes for this sheet only

F 3" Diameter x 3" High Surface-mounted disc fixture with uplight glow (Type GSA). Typical.

Q 2.5" aperture recessed LED lenseed wallwash with angled lens (Type RF). Typical.

1 Second Floor - Typical Restrooms
1" = 1'-0"



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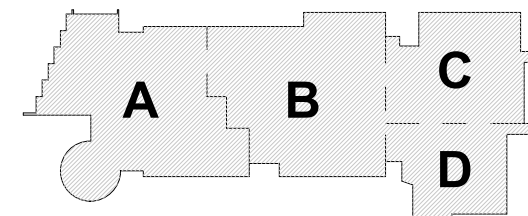
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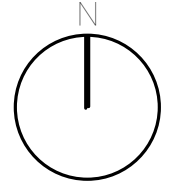
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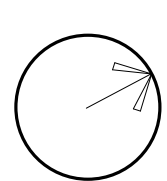


KEY PLAN

PROJECT NORTH



MAGNETIC NORTH



Typical
Restrooms

Scale: As indicated

Job No.: 20202

Drawn By: AL

Date: August 4th, 2022

LT3-1-8-2

General Notes:

- See Architectural drawings for all mounting details and corresponding specifications. Lighting fixture manufacturer to approve mounting details prior to first order.
- Contractor shall verify that all lighting equipment specified in its application on this project complies with all applicable national and local codes, ordinances, regulations and jurisdictions prior to ordering any equipment.
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- A line item price for the cost to provide and install each lighting fixture type is required.

All public escalators with integral circulation light to deliver no less than 100 lux across each tread. See escalator manufacturer detail drawings.

All public elevators with integral circulation light to deliver no less than 100 lux across floor of cab. See elevator manufacturer detail drawings.

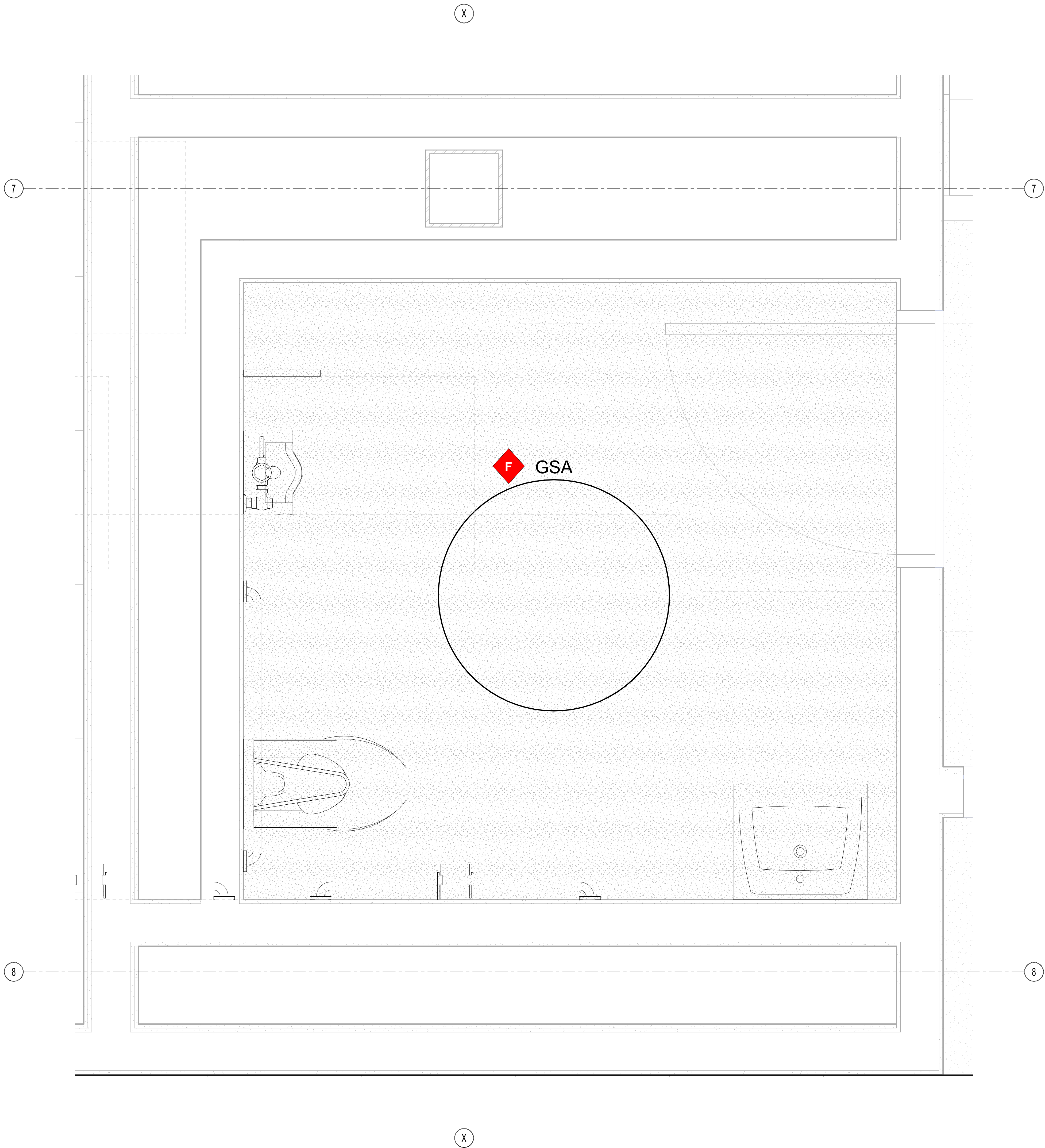
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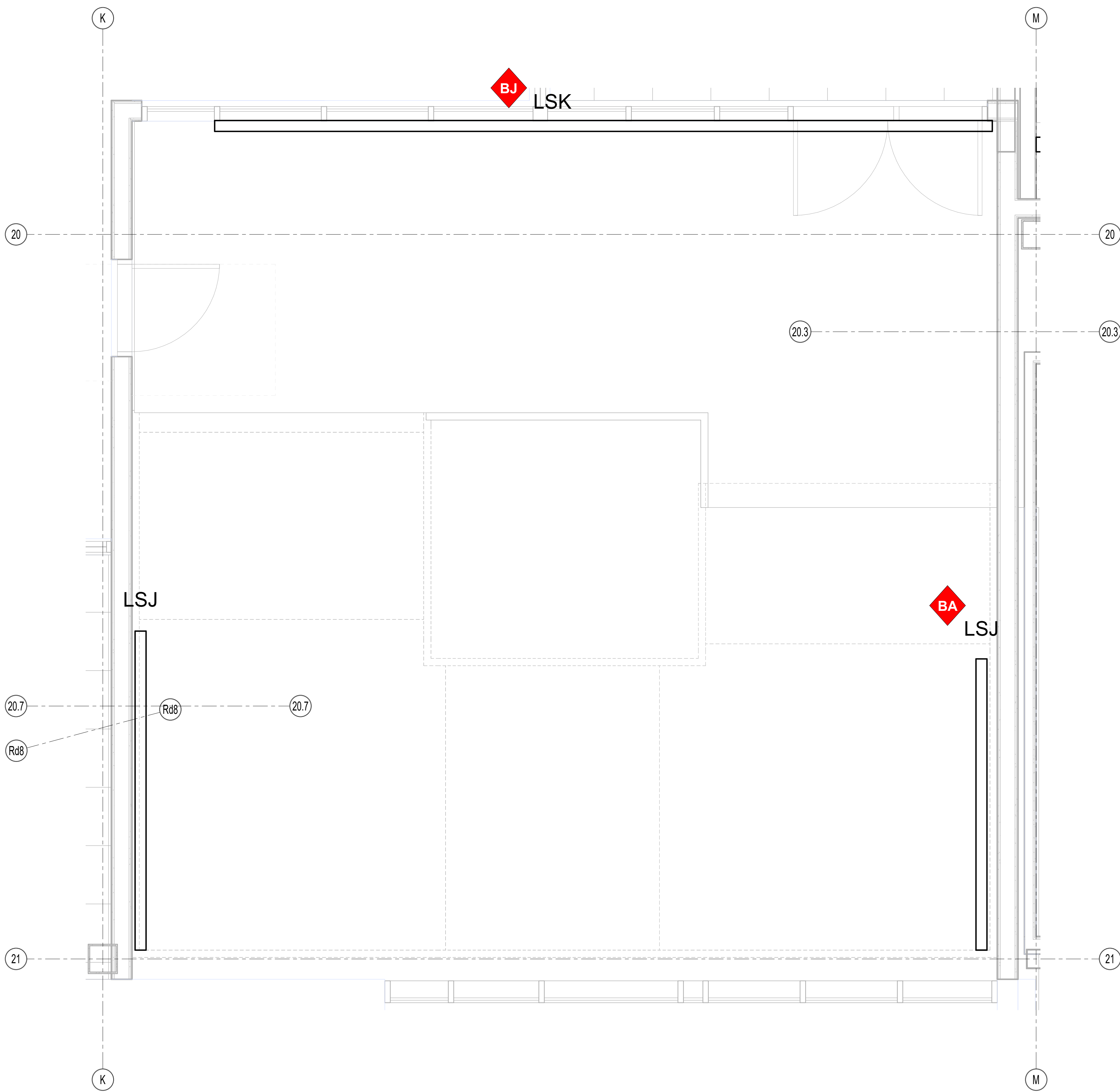
Notes:

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BA	1 1/2" Tall by 4 1/2" wide wall-mounted linear direct/indirect fixture (Type LSJ) Typical.
BJ	1 1/2" Tall by 4 1/2" Wide Wall Mounted Indirect fixture (Type LSK). Typical.
F	3" Diameter x 3" High Surface-mounted disc fixture with uplight glow (Type GSA). Typical.



1 Second Floor - Typical Toilet
1 1/2" = 1'-0"



2 Second Floor - Typical Stair
1/2" = 1'-0"



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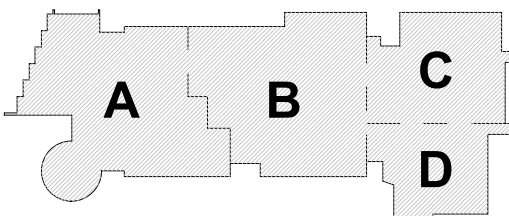
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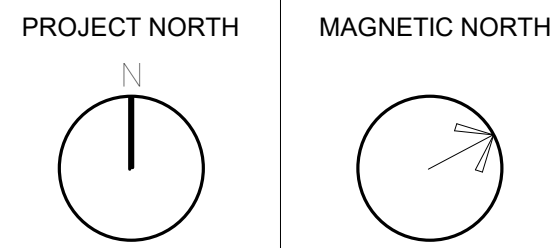
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KEY PLAN



Typical Toilet and
Stair

Scale: As indicated
Job No.: 20202
Drawn By: AL
Date: August 4th, 2022

LT3-1-9-2

General Notes:

- See Architectural drawings for all mounting details and corresponding specifications. Lighting fixture manufacturer to approve mounting details prior to first order.
- Contractor shall verify that all lighting equipment specified, in its application on this project, complies with all applicable national and local codes, ordinances, regulations and jurisdictions prior to ordering any equipment.
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- A line item price for the cost to provide and install each lighting fixture type is required.

All public escalators with integral circulation light to deliver no less than 100 lux across each tread. See escalator manufacturer detail drawings.

All public elevators with integral circulation light to deliver no less than 100 lux across floor of cab. See elevator manufacturer detail drawings.

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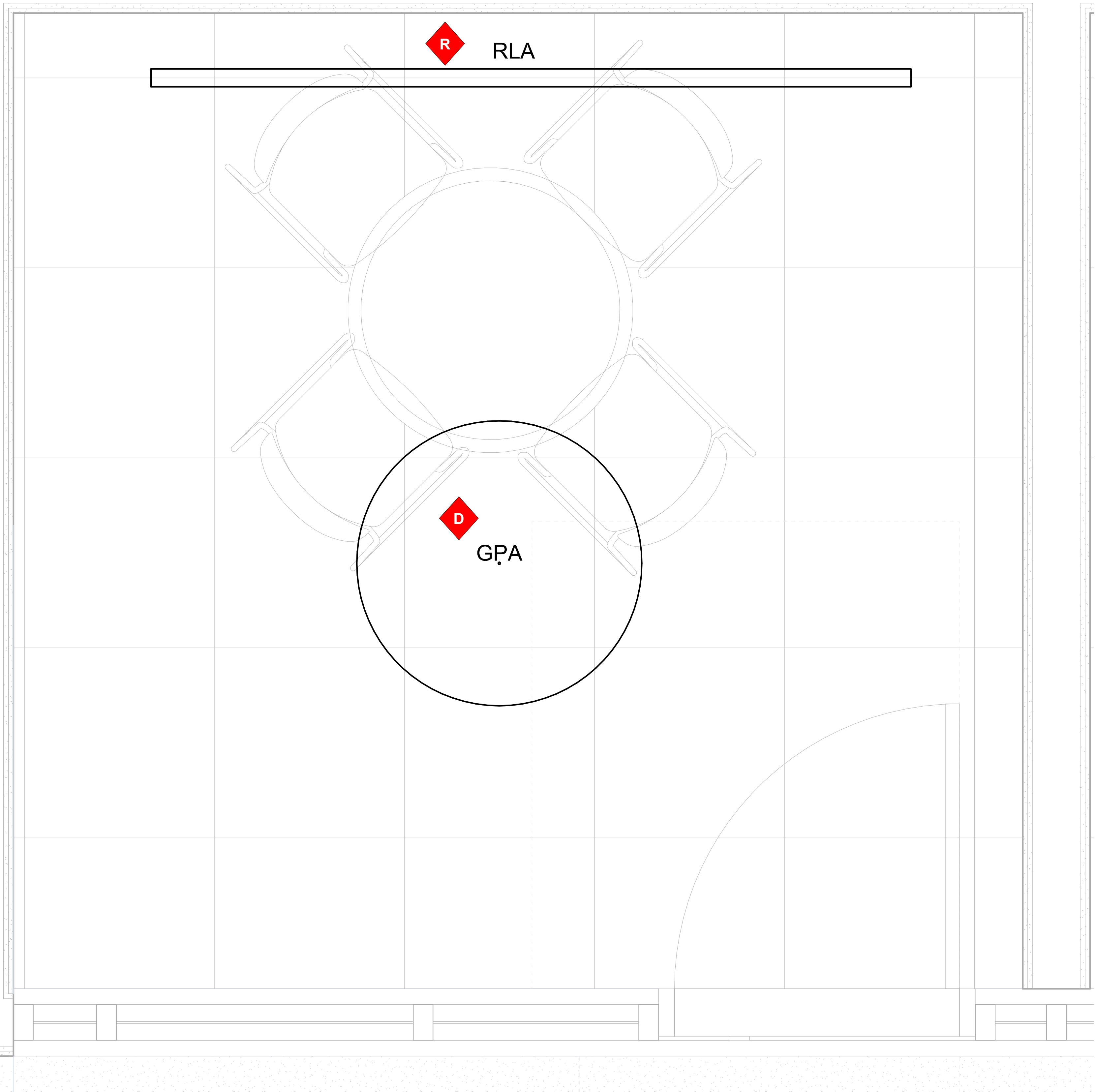
Notes:

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D 4" Diameter pendant mounted direct-indirect fixture (Type GPA). Typical.
R 4" Tall by 2 1/4" Wide Recessed Fixture (Type RLA). Typical.

J

1 Second Floor - Typical Small Group
1/12" = 1'-0"



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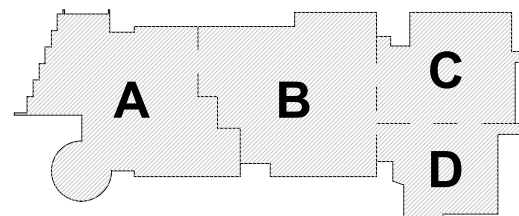
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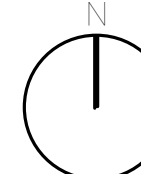
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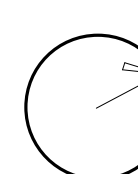


KEY PLAN

PROJECT NORTH



MAGNETIC NORTH



Typical Small Group

Scale: As indicated

Job No.: 20202

Drawn By: AL

Date: August 4th, 2022

LT3-1-10-2

General Notes:

- See Architectural drawings for all mounting details and corresponding specifications. Lighting fixture manufacturer to approve mounting details prior to first order.
- Contractor shall verify that all lighting equipment specified, in its application on this project, complies with all applicable national and local codes, ordinances, regulations and jurisdictions prior to ordering any equipment.
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- All C-clamp and unistrut mounted light fixtures will employ safety cables supplied by the appropriate fixture manufacturer.
- For all remote location dimmers, the electrical contractor shall provide separate neutrals for each dimming circuit (i.e. no common neutrals).
- A line item price for the cost to provide and install each lighting fixture type is required.

All public escalators with integral circulation light to deliver no less than 100 lux across each tread. See escalator manufacturer detail drawings.

All public elevators with integral circulation light to deliver no less than 100 lux across floor of cab. See elevator manufacturer detail drawings.

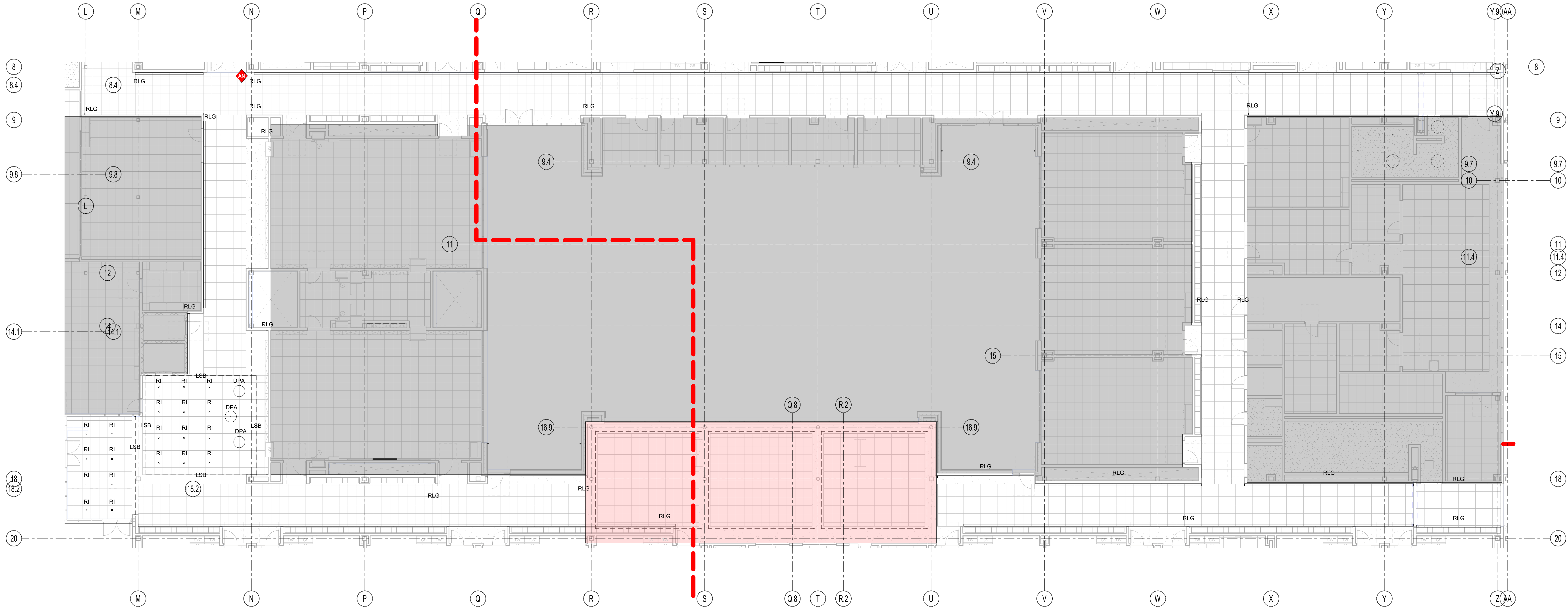
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Notes:

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AN 7 1/8" Tall by 6" Wide Recessed Linear Perimeter fixture (Type RLG) Typical.



General Notes:

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All public elevators with integral circulation light to deliver no less than 100 lux across floor of cab. See elevator manufacturer detail drawings.

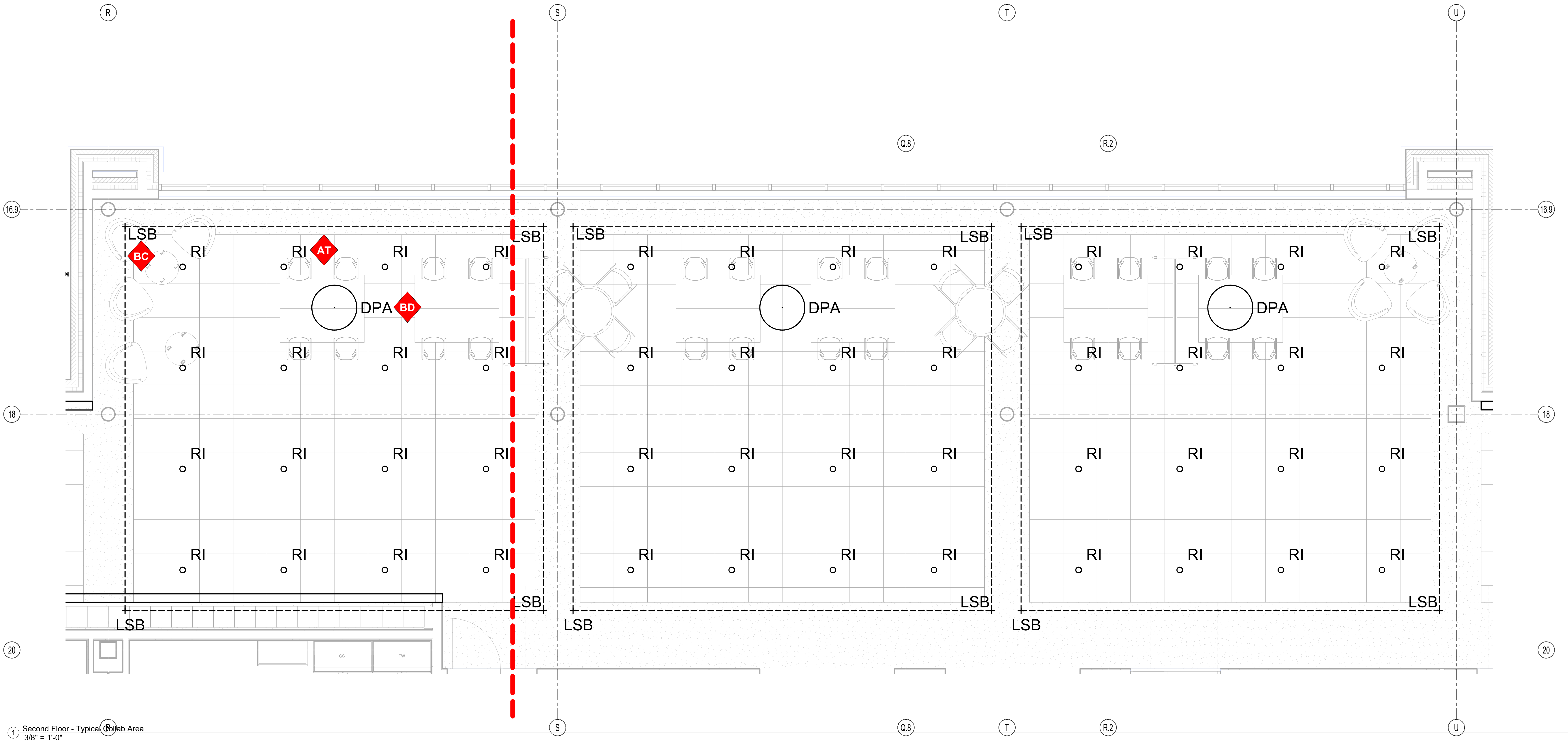
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Notes:

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AT	6" Diameter recessed downlight fixture (Type RE). Typical.
BC	2" High x 4" wide linear cove fixture with asymmetric distribution. Typical. (Type LSB)
BD	32" Diameter acoustical decorative pendant fixture (Type DPA). Typical.



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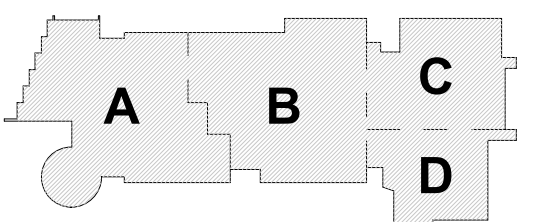
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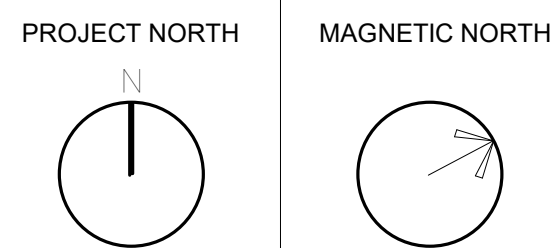
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August 4th, 2022



KEY PLAN



Typical Collab Area

Scale: As indicated
Job No.: 20202
Drawn By: AL
Date: August 4th, 2022

LT3-1-12-2

General Notes:

- See Architectural drawings for all mounting details and corresponding specifications. Lighting fixture manufacturer to approve mounting details prior to first order.
- Contractor shall verify that all lighting equipment specified, in its application on this project, complies with all applicable national and local codes, ordinances, regulations and jurisdictions prior to ordering any equipment.
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- For all remote location dimmers, the electrical contractor shall provide separate neutrals for each dimming circuit (i.e. no common neutrals).
- A line item price for the cost to provide and install each lighting fixture type is required.

All public elevators with integral circulation light to deliver no less than 100 lux across each head. See escalator manufacturer detail drawings.

All public elevators with integral circulation light to deliver no less than 100 lux across floor of cab. See elevator manufacturer detail drawings.

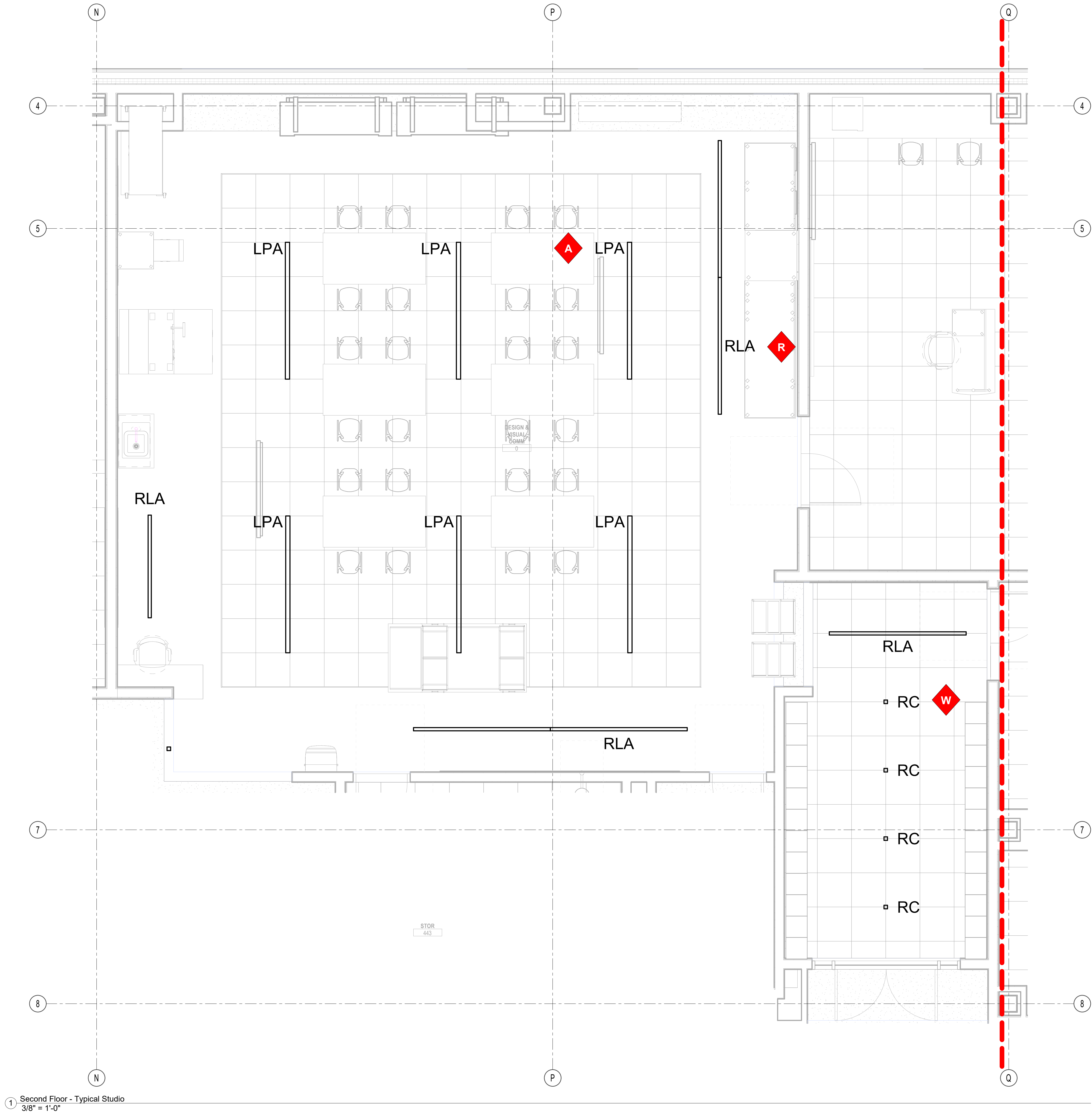
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Notes:

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A 3 5/8" Tall by 3 5/8" Wide Pendant mounted direct-indirect LED fixture (Type LPA), Typical.
R 4" Tall by 2 1/4" Wide Recessed Fixture (Type RLA), Typical.
W 4" Long by 4 3/8" Tall recessed linear fixture mounted in gyp. ceiling (Type RC), Typical.



① Second Floor - Typical Studio
3/8" = 1'-0"



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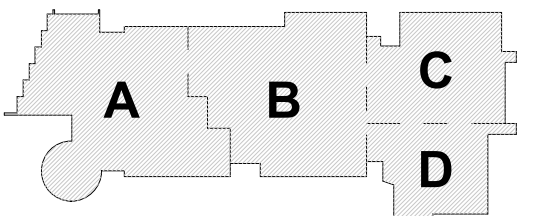
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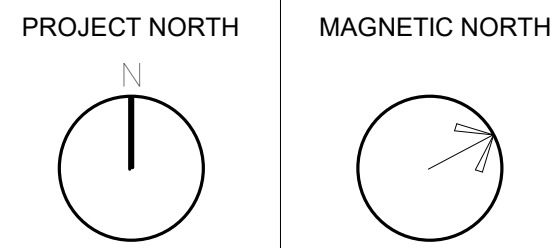
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August 4th, 2022



KEY PLAN



Typical Studio

Scale: As indicated
Job No.: 20202
Drawn By: AL
Date: August 4th, 2022

LT3-1-13-2

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Issue Date: 3 June 2022
Northeast Metro Tech HS
Lighting Controls Matrix
DD Estimating Set

General Notes:
• Overall system design shall strive for simple and effective methods of lighting control that are robust and easy to maintain while meeting all required standard and applicable codes.
• All fixtures will be dimmable. Exceptions include task or house and MEP spaces.

Area Description Name	Lighting Control Zones Description ¹	ON ¹	ADJUST ^{1,2}	OFF ³	Sensors, Interfaces
Circulation	• Provide (1) dimmable zone for each Future Type. • Auto-on via timeclock during occupied hours. During unoccupied hours, fixtures turn on via occupancy sensor.	• Each zone to have its own manual Set and target dimmer located in access-controlled location.	• Each zone to have its own manual Set and target dimmer located in access-controlled location. • During unoccupied hours, auto-off after no occupancy sensed for 15 minutes.	• Manual Off via local override wall control located in access-controlled location. • During unoccupied hours, auto-off after no occupancy sensed for 15 minutes.	• Occupancy sensors • Timeclock
Typical Classroom	• Provide up to 6 zones total per classroom: 1. Direct Front of room 2. Direct (Daylight - Ft of room) 3. Direct Rear of Room 4. Direct (Daylight Rear of Room) 5. Indirect 6. Miscellaneous	• Manual on to 100%. • Alternate Auto-on to 50%. Manual override to 100%.	• Each zone to have its own single switch keypad, located at entry of room. Keypads to offer dimming or at least 3 light levels: 100%, 50%, and Off. • Automatic daylight dimming with minimum 30% available from daylight.	• Manual Off via local override wall control. • Auto-off after no occupancy sensed for 15 minutes.	• Vacancy Sensors • Photoacids in select perimeter studios where daylight is available.
Typical Offices	• Provide (1) zone for overhead lighting. • Provide (1) zone for task lighting (local control only).	• Manual-on to 50% or 100%.	• Each zone to have its own single switch keypad, located at entry of room. Keypads to offer dimming or at least 3 light levels: 100%, 50% & Off. • Automatic daylight dimming with minimum 25% available from daylight.	• Manual Off via local override wall control. • Auto-off after no occupancy sensed for 15 minutes.	• Occupancy & photoacell sensors.
Typical Shops	• Provide (1) zone for overhead lighting. • Provide (1) zone for task lighting (local control only).	• Manual-on to 50% or 100%.	• Each zone to have its own single switch keypad, located at entry of room. Keypads to offer dimming or at least 3 light levels: 100%, 50% & Off. • Automatic daylight dimming with minimum 25% available from daylight.	• Manual Off via local override wall control. • Auto-off after no occupancy sensed for 30 minutes.	• Occupancy & photoacell sensors.
Typical Trade-Specific Spaces	• Provide (1) zone per future type.	• Manual on to 100%. • Alternate Auto-on to 50%. Manual override to 100%.	• Each zone to have its own single switch keypad, located at entry of room. Keypads to offer dimming or at least 3 light levels: 100%, 50%, and Off. • Automatic daylight dimming with minimum 30% available from daylight.	• Manual Off via local override wall control. • Auto-off after no occupancy sensed for 15 minutes.	• Vacancy Sensors. • Photoacids in select perimeter spaces where daylight is available.
Cafeteria	• Provide (1) zone per future type.	• Manual-on to 100%. • Alternate Auto-on to 50%. Manual override to 100%.	• Each zone to have its own single switch keypad, located at entry of room. Keypads to offer dimming or at least 3 light levels: 100%, 50%, and Off. • Automatic daylight dimming with minimum 30% available from daylight.	• Manual Off via local override wall control. • Auto-off after no occupancy sensed for 15 minutes.	• Vacancy Sensors. • Photoacids in select perimeter spaces where daylight is available.

MEP- BALA
Architect: DRA
Lighting Design By Available Light
Page: 1 of 3

Issue Date: 3 June 2022
Northeast Metro Tech HS
Lighting Controls Matrix
DD Estimating Set

Area Description Name	Lighting Control Zones Description ¹	ON ¹	ADJUST ^{1,2}	OFF ³	Sensors, Interfaces
Lecture Hall	1. Provide 12 zones for central open daylight (head area) (1 zone for each daylight head area) (2 zones total). 2. Provide (1) zone per plan north (5) daylight and (1) zone for plan south (2) daylight. 3. Provide (1) zone per wall for wall washers (4 zones total). 4. Provide (1) zone for indirect lighting.	• Manual-on to 100%. • Alternate Auto-on to 50%. Manual override to 100%.	• Each zone to have its own single switch keypad, located at entry of room. Keypads to offer dimming or at least 3 light levels: 100%, 50%, and Off. • Automatic daylight dimming with minimum 30% available from daylight.	• Manual Off via local override wall control. • Auto-off after no occupancy sensed for 15 minutes.	• Vacancy Sensors. • Photoacids in select perimeter spaces where daylight is available.
Theater (after Theater Lighting Consultant documents)	• Provide Lighting Consultant to provide DMX Control System for Theater. • Provide DMX control system for Architectural Lighting fixtures that dimmable relative to theatrical system for unified control.	• Manual-on to Preset Level. • Provide Preset Recall System.	• Provide Preset Recall System with at least (6) Presets. Off: Preset 1 is to correspond with theatrical lighting consultant. • Provide DMX connection to interface to theatrical lighting system. • Provide connection to AV System for Preset Recall.	• Manual Off via local override wall control. • Auto-off after no occupancy sensed for 30 minutes.	• 2x Touchscreens or preset recall station.
Gymnasium	• Provide (1) zone for overhead lighting.	• Manual-on to 50% or 100%.	• Each zone to have its own single switch keypad, located at entry of room. Keypads to offer dimming or at least 3 light levels: 100%, 50% & Off. • Automatic daylight dimming with minimum 25% available from daylight.	• Manual Off via local override wall control. • Auto-off after no occupancy sensed for 30 minutes.	• Occupancy & photoacell sensors.
Restrooms	• Provide (1) dimmable zone for each Future Type. • Auto-on to 100% output (as set by dimmers).	• Each zone to have its own manual Set and target dimmer located in space inaccessible to visitors.	• Auto-off after no occupancy sensed for 30 minutes.	• Occupancy sensors	
Corridors	• Provide (1) dimmable zone for each Future Type. • Auto-on to preset level via timeclock during regularly occupied hours. • During unoccupied hours, auto-on via occupancy sensor.	• Each zone to have its own manual Set and target dimmer located in space inaccessible to visitors.	• Manual Off via local override wall control located in space inaccessible to visitors. • Auto-off after no occupancy sensed for 15 minutes.	• Occupancy sensors	
Stairs	• Provide (1) dimmable zone for each Future Type. • Auto-on to preset level via timeclock during regularly occupied hours. • During unoccupied hours, auto-on to preset level via occupancy sensor.	• None	• None	• Occupancy sensors • Timeclock	
Storage Areas	• Provide (1) Non-Dim Zone. • Auto-on when occupancy is sensed	• None	• Auto-Off after no occupancy sensed for 30 minutes. • Occupancy Sensors	• Occupancy Sensors	

MEP- BALA
Architect: DRA
Lighting Design By Available Light
Page: 2 of 3

Issue Date: 3 June 2022
Northeast Metro Tech HS
Lighting Controls Matrix
DD Estimating Set

Area Description Name	Lighting Control Zones Description ¹	ON ¹	ADJUST ^{1,2}	OFF ³	Sensors, Interfaces
MEP Spaces	• Provide (1) Non-Dim Zone.	• Manual On	• None	• Manual Off	
Exterior Building Lighting	• Provide 1 Zone for each Future Type.	• Auto-On via Photoacell Sensor and/or Timeclock	• Each zone to have its own manual Set and target dimmer. • For late-night turn off non-egress fixtures. • Manual override of time clock mode for unoccupied events.	• Auto-Off via Photoacell Sensor • Timeclock	• Photoacell sensors • Timeclock

Notes:
1. Choice of wired or wireless sensors & keypads is TBD by Electrical Engineer based on factors including Owner preference, cost and ease of installation and maintenance.
2. Dimming is assumed to be via 0-10V unless otherwise noted.
3. Occupancy sensor should also communicate room status to other building controls such as HVAC. Engineer to specify exact method for this.
4. For fixtures that cannot physically accommodate a sensor, external sensors will be used and will control all non-connected fixtures within a room.

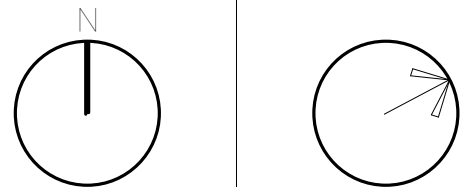
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Page: 3 of 3

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MSBA Design
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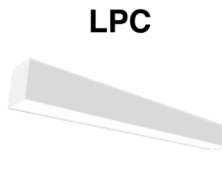
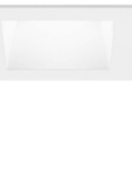
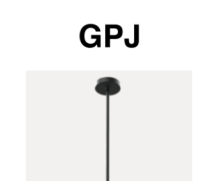
August 4th, 2022

PROJECT NORTH
MAGNETIC NORTH



Control Matrix

Scale:
Job No.: 20202
Drawn By: AL
Date: August 4th, 2022
LT7-1-1

Type	Manufacturer	Description	Lamp/Details	Scope/Notes/Location	Type	Manufacturer	Description	Lamp/Details	Scope/Notes/Location	Type	Manufacturer	Description	Lamp/Details	Scope/Notes/Location
DPA 	Eureka Lighting 425B-3K-LED-35-80-XX-DV-AC-60-RC1-WHF-REF-WH	32" Diameter LED round absorbing decorative pendant.	[24 W per fixture Volts: Per EE Color Temp: 3500K CRI: 80 Dim: 0-10V Mount: Pendant		LPB 	Finelite HP-2-F-ID-XXX-H-835-TG-96LG-TBD-SC-TBD-TBD	4" Tall by 2 1/4" Wide pendant mounted indirect fixture	[7 W per foot Volts: Per EE Color Temp: 3500K CRI: 80 Lumens: 729 per foot Dim: 0-10V Mount: Pendant	Location: Classroom	PA 	Altman Lighting Inc. CDAT0-3K-TBD-D-XXX	8" Diameter x 12" high pendant cylinder downlight with swivel ball ceiling mount with field-changeable reflector optics, high-resolution DMX dimming.	[70 W per fixture Volts: Per EE Color Temp: 3500K CRI: 80+ Beam Spread: TBD Lumens: 5329 per fixture Dim: DMX Mount: Pendant Finish: Per Architect	
GPA 	Day-O-Lite ECL-1923-D-SI-35-SO-4-TBD-TBD-TBD	4" Diameter pendant mounted direct-indirect fixture	[31 W per fixture Volts: Per EE Color Temp: 3500K CRI: 80 Beam Spread: Direct / Indirect Lumens: 15885 Dim: 0-10V Mount: Pendant		LPC 	Day-O-Lite PBF-L44-DI-TBD-35-HO-XXX-TBD-TBD-TBD	4" 1/2" Tall by 4" Wide pendant mounted direct-indirect fixture	[18 W per foot Volts: Per EE Color Temp: 3500K CRI: 80 Lumens: 2250 per foot Dim: 0-10V Mount: TBD		PB 	Metec WBS240-35X-XXX-STV	16.24" Dia x 4.44" H Pendant	[240 W per fixture Volts: Per EE Color Temp: 3500K CRI: 85 Beam Spread: Wide Lumens: 19450 per fixture Dim: 0-10V to 10% Mount: Pendant Finish: Per Architect	Location: Gymnasium
GPB 	Cree HXB-B-UV-35LM-35K-8-UL-SV	18.3" Wide x 26.1" Tall pendant mounted LED high-bay fixture	[276 W per fixture Volts: Per EE Color Temp: 3500K CRI: 80 Lumens: 35,000 per fixture Dim: 0-10V Mount: Pendant Finish: Silver	Location: Standard Shops	LPE 	Finelite HP-2-F-ID-XXX-H-835-TG-F-96LG-TBD-SC-TBD-TBD	4 3/4" Tall by 2 1/4" Wide pendant mounted direct-indirect fixture	[10.7 W per foot Volts: Per EE Color Temp: 3500K CRI: 80 Beam Spread: Direct / Indirect Lumens: 1008 per fixture Dim: DMX Mount: Pendant	Location: Classroom	PC 	Altman Lighting Inc. CDP70-3K-TBD-TBD-TBD	7" Diameter pendant mounted LED reflector.	[70 W per fixture Volts: Per EE Color Temp: 3500K CRI: 80 Beam Spread: Medium Flood Lumens: 5329 per fixture Dim: DMX Mount: Pendant Finish: Per Architect	Location: Auditorium House
GPC 	H. E. Williams Inc. GL-H400-8-35-TBD-TBD	4" long x 14" wide x 4" high industrial fixture.	[266 W per fixture Volts: Per EE Color Temp: 3500K CRI: 80+ Lumens: 40385 per fixture Dim: 0-10V Finish: Per Architect		LPF 	XAL CURVE2.5-SUR/POT-BL-OP-35K-C80-LIN/410V-750-SC-CUSTOM(SEE PLANS)	2-3/8" wide c 3" high linear fixture with custom radii. Fixture granulations form pendant to surface-mount. See plans for radii.	[7.4 W per foot Volts: Per EE Color Temp: 3500K CRI: 80+ Lumens: 750 per foot Dim: 0-10V Mount: Pendant/Surface		PD 	Gotham Lighting IG04CC-3505-BRLD-40D-XXX-EDXB-SGB-COMMS-C120-CBL	4" Diameter pendant mounted cylinder.	[6.7 W per fixture Volts: Per EE Color Temp: 3500K CRI: 80 Beam Spread: 40° Lumens: 703 delivered per fixture Dim: 0-10V to <1% Mount: Pendant Finish: Matte Black	
GPD 	Finelite HP-4C-ID-4-H-835-TBD-TBD-96-XXX-DC-TBD-TBD-TBD-TBD	4" Diameter x 4" W x 4" H pendant ring direct/indirect fixture with approximately 50% Direct/ 50% Indirect Distribution.	[164 W per fixture Volts: Per EE Color Temp: 3500K CRI: 80+ Lumens: 17910 per fixture Dim: 0-10V Mount: Pendant		LPG 	Finelite HP-4C-ID-4-H-835-TBD-TBD-96-XXX-DC-TBD-TBD-TBD-TBD	4" Aperture pendant-mount LED linear direct/indirect fixture with fully adjustable mounting.	[7.1 W per foot Volts: Per EE Color Temp: 3500K CRI: 80 Lumens: 851 per foot Dim: 0-10V to 10% Mount: Pendant Finish: White		PE 	Luminix Lighting HC2900-L475-UL450-[VOLTAGE?]-BKT-OPT10N57-K9-D9-S7-M3F	30" Diameter decorative stem mounted LED shade fixture with 36° stem.	[92 W per fixture Volts: Per EE Color Temp: 3500K CRI: 80+ Lumens: 7590 Dir/5096 Indirect per fixture Dim: 0-10V Mount: Pendant Finish: Per Architect	
GPE 	OCL Architectural Lighting TW1-P1EM-312-MW-PTD-LED150K-UWV-XS-DMT-DUC-MOD	26" Diameter ring direct/indirect pendant with 3.25" wide x 6.25" H cross-section. Independent control of direct vs indirect.	[975 W per fixture Volts: Per EE Color Temp: 3500K Lumens: 80,000 per fixture Dim: 0-10V to 1% Mount: Pendant Finish: Per Architect	Location: Media Center	LSA 	Day-Brite LMSC1100E-Varies-935-XXX-TBD-DM-RS	1" High x 4" Wide linkable undercabinet fixture with integral switch, and available occ sensor.	[6 W per foot Volts: Per EE Color Temp: 3500K CRI: 80+ Dim: 0-10V Mount: Surface Finish: Per Architect		RA 	Focal Point FLC22-22-AC-2500LH-3K-[C-XXX-Lxx-Cxx-XXX	2' x 2' recessed troffer with center panel and angled side luminous lens panels.	[23 W per fixture Volts: Per EE Color Temp: 3500K CRI: 80+ Lumens: 2500 per fixture Dim: 0-10V Mount: Recessed Finish: Per Architect	Location: Shop Classroom
GPF 	Eureka Lighting 4805-118-4805-118LED-35-XX-DV-RDP-AC-60-75C24058-[OPT10N?]-WH-WHR-3981D	118" Diameter linear led ring pendant fixture with recessed driver.	[186 W per fixture Volts: Per EE Color Temp: 3500K Dim: 0-10V Mount: Pendant Finish: White	Location: Atrium	LSB 	focal Point FCOLT-HF-500-35K-1-XXX-LD1	2" High x 4" wide linear cove fixture with asymmetric distribution, and quick connect for mounting in coves.	[5 W per foot Volts: Per EE Color Temp: 3500K CRI: 80+ Lumens: 500 per foot Dim: 0-10V to 10% Mount: Cove Finish: Standard		RB 	Cree ZR-22-30L-835-10v5-XXX	2x2 Recessed troffer with center lensed section and angled metallic side reflectors.	[26 W per fixture Volts: Per EE Color Temp: 3500K CRI: 80+ Lumens: 3490 per fixture Dim: 0-10V Mount: Recessed	
GPG 	Eureka Lighting 4805-80-4805-80-LED-[VOLTAGE?]-[DRIVER?]-RDP-AC-60-RC24058-[OPT10N?]-WH-WHR-3981D	80" Diameter linear led ring pendant fixture with recessed driver.	[124 W per fixture Volts: Per EE Color Temp: 3500K Dim: 0-10V Mount: Pendant Finish: White	Location: Atrium	LSC 	Finelite S1-L-LED-Varies-H-835-SC-96W-XXX	2.7" High x 7.8" wide linear cove fixture with asymmetric distribution.	[7.1 W per foot Volts: Per EE Color Temp: 3500K CRI: 80+ Lumens: 389 per foot Dim: 0-10V Mount: Cove Finish: Standard		RC 	Focal Point FLC220-SDx-SW-900L-XXX-LD1-LC22-SDx-900L-835K-TBD-TBD-TBD	2.5" by 2.5" Recessed downlight fixture	[9.3 W per fixture Volts: Per EE Color Temp: 3500K CRI: 80+ Lumens: 900 per fixture Dim: 0-10V Mount: Recessed Finish: Per Architect	
GPH 	Luminix Lighting SY09SL-DL-40-R30-XX-WHT-XX-2K35-SPQ-4FT	6" Diameter pendant-mount direct/indirect LED adjustable cylinder with 30° vertical tilt and integral driver.	[86 W per fixture Volts: Per EE Color Temp: 3500K CRI: 80 Beam Spread: 30° Lumens: 4872 delivered per fixture Dim: 0-10V to 10% Mount: Pendant Finish: White		LSD 	H. E. Williams Inc. 96-8-L160-635-HAIFR-XXX-XXX	7 3/8" W x 5" H x 8" L surface mount linear fixture	[15.375 W per foot Volts: Per EE Color Temp: 3500K CRI: 80 Lumens: 2023.5 per foot Dim: 0-10V Mount: Surface Finish: Per Architect	Location: Auto	RD 	Kenall Lighting EPM2-22-AC-192L-35K-SC-277-TBD-2H-CA-W	7.55" Tall by 27.12" Wide recessed food safe high-bay fixture	[192 W per fixture Volts: Per EE Color Temp: 3500K CRI: 80 Beam Spread: Wide Lumens: 17950 delivered per fixture Dim: 0-10V Mount: Recessed Finish: Per Architect	
GPJ 	Luminix Lighting HC2900-L475-UL450-XX-BKT-K3-DS-TSM-36IN	30" Diameter pendant stem-mounted direct/indirect with 36" long 30" hang straight stem.	[92 W per fixture Volts: Per EE Color Temp: 3000K CRI: 80 Lumens: 12654 delivered per fixture Dim: 0-10V Mount: Stem Finish: Black		LSE 	Luminix KL-HE-Varies-35K-TBD-F-TBD-TBD	30" Tall by 83" Wide Surface Mounted Linear Fixture with aluminum channel and frosted lens. Remote driver	[2.8 W per foot Volts: Per EE Color Temp: 3500K CRI: 80+ Lumens: 300 per foot Dim: 0-10V Mount: Surface Finish: Per Architect		RE 	Focal Point FLSH-RQ-4000-35K-TBD-XXX-L11-T(Housing) LSH-RD-DN-CD-TBD (trim)	6" aperture recessed LED downlight with semi-specular reflector cone, painted trim flange. Fixture has field-changeable optics, and available sloped ceiling adapter.	[55 W per fixture Volts: Per EE Color Temp: 3500K CRI: 80+ Beam Spread: TBD Lumens: 4000 delivered per fixture Dim: 0-10V Mount: Recessed Finish: Per Architect	Location: Media Center
GSA 	Focal Point FSDEP-3-FL-9000DN-SG-35K-XXX-L11-SM-TBD-TBD	3" Diameter x 3" High Surface-mounted disc fixture with uplight glow. Extruded aluminum housing. One-piece ABS Plastic top cover. Regressed lens of 0.118" acrylic.	[82 Watts Volts: Per EE Color Temp: 3500K CRI: 80+ Lumens: 3000 delivered per fixture Dim: 0-10V Mount: Surface Finish: Per Architect	Location: Restrooms	LSF 	EcoSense LSO-1-Varies-04-30-80-XXX-25x33	2.14" Tall by 1.64" Wide linear fixture	[4 W per foot Volts: Per EE Color Temp: 3000K CRI: 80+ Beam Spread: 25"x33" Lumens: 307 per foot Dim: 0-10V to 1% Mount: Surface Finish: Standard	Location: Theater	RF 	Focal Point FLC20-RDQ-600L-XXX-LD1 (Housing) CQ-RODQ-500L-835K-WW-TBD-TBD (Trim)	2.5" aperture recessed LED lenseed wallwash with angled lens, semi-specular reflector cone, painted trim flange.	[11.7 Watts Volts: Per EE Color Temp: 3500K CRI: 80+ Lumens: 500 per fixture Dim: 0-10V Mount: Recessed Finish: Per Architect	Location: Restrooms
GSB 	Luminix Lighting SN11000-L113-K30-XXX-BKT-	11" Diameter x 2.75" Depth surface mounted LED fixture with sealed and gasketed patterned tempered glass lens.	[14 Watts Volts: Per EE Color Temp: 3000K CRI: 80+ Lumens: 1288 delivered per fixture Dim: 0-10V Mount: Surface Finish: Per Architect Rating: IP65/K10	Location: Entrances	LSG 	Lithonia Lighting FEM-L48-3000LM-LPAPL-MD-35K-90CRI	6.8" W x 4.2" H x 4" low profile linear fixture	[18 W per fixture Volts: Per EE Color Temp: 3500K CRI: 90 Lumens: 2902 per fixture Dim: 0-10V Mount: Surface Finish: Per Architect	Location: Storage rooms	RG 	Lithonia Lighting VTL4-L48-TBD-GZ10-LP935	2'x4' Recessed troffer with center lensed section and ribbed curved metallic side reflectors.	[23.2 W per fixture Volts: Per EE Color Temp: 3500K CRI: 80+ Lumens: 3280 per fixture Dim: 0-10V Mount: Recessed	
GSC 	Finelite HP-WL-SM-D-Varies-S-830-F-96-XX-SC-FC-10%-MB-TBD-FB	4" Aperture surface-mount wet location LED linear direct fixture.	[3.6 W per foot Volts: Per EE Color Temp: 3000K CRI: 80 Lumens: 354 per foot Dim: 0-10V to 10% Mount: Surface Finish: Black Rating: IP65		LSH 	Lithonia Lighting RLNK-L48-120-35K-80CRI-M4	4' long x 1.82" High x 1.58" wide linkable LED strip light with steel body, acrylic lens.	[19.7 W per fixture Volts: Per EE Color Temp: 3500K CRI: 80+ Lumens: 1950 per fixture Dim: 0-10V		RH 	Lithonia Lighting VTL4-L48-TBD-GZ10-LP935	2'x4' Recessed troffer with center lensed section and ribbed curved metallic side reflectors.	[35.6 W per fixture Volts: Per EE Color Temp: 3500K CRI: 80+ Lumens: 4000 per fixture Dim: 0-10V Mount: Recessed Rating: IP66	
GWA 	Acuity Brands HPW48LED-XXX-LED35-2U11D-TBD-TBD-TBD	4' Long x 4.25" High x 6.85" D Wall mounted patient room wall light with flip-over exam light.	[75 W per fixture Volts: Per EE Color Temp: 3500K CRI: 80+ Lumens: 8175 per fixture Dim: 0-10V Mount: Wall Mount Finish: Per Architect		LSI 	Lumenpulse LOGH-XXX-Varies-RGBA-[OPTICS?]-[FREED?]-WARMth-[PHYSIC?]-[CONTROL?]	2-1/8" H x 4.5/16" Wide surface mounted LED facade uplight fixture with individual control of RGBA values at each 4" segment. Provide 6" mounting arm.	[12.25 W per foot Volts: Per EE Color Temp: RGBA CRI: 80+ Dim: DMX Mount: Wall Arm Finish: Per Architect Rating: IP66	Location: Project East Facade	RI 	Gotham Lighting EVO4-3576-AR-FL-WD-LSS-[VOLTAGE?]-[DRIVER?]-[CONTROL?]	4" Diameter recessed LED round downlight fixture with semi-specular clear reflector and painted trim.	[8.8 W per fixture Volts: Per EE Color Temp: 3500K CRI: 80+ Lumens: 1000 delivered per fixture Dim: 0-10V Mount: Recessed Finish: Per Architect	
GWB 	Lithonia Lighting WDS1E1LED-PS2-35K-80CRI-TBD-XXX-TBD	8" Tall by 8" Wide Surface Mounted Wall Sconce mounted above doors.	[15 W per fixture Volts: Per EE Color Temp: 3500K CRI: 80+ Lumens: 2000 per fixture Dim: 0-10V Mount: Wall Mount Finish: Per Architect		LSJ 	Peerless RNNAWID-LCB-8FT-MSL8-90CRI-35K-1150LMF-400LMF-SSH-XXX-XXX-XXX-XXX-XXX	1 1/2" Tall by 4 1/2" wide wall-mounted linear direct/indirect fixture.	[8 W per foot Volts: Per EE Color Temp: 3500K CRI: 80+ Lumens: 150 Indirect/500 Direct per foot Dim: 0-10V Mount: Wall Mount Finish: Per Architect	Location: Staircase	RJ 	Gotham Lighting EVO6SQSH-3507-DF-SOL-XXX-XX	6" Square recessed LED shower-grade downlight with flush, textured lens.	[8.2 W per fixture Volts: Per EE Color Temp: 3500K CRI: 85 Lumens: 666 delivered per fixture Dim: Per EE Mount: Recessed Finish: IP66 Rating: IP66	
GWC 	Luminix Lighting SQ602-L2L35-R40-XX-SQT-XX-2K3-LSL-U	8" Square x 12" long wall-mounted LED adjustable direct/indirect cylinder fixture with 18° vertical tilt and linear spread lens.	[81 W per fixture Volts: Per EE Color Temp: 3000K CRI: 80 Beam Spread: 38° Lumens: 7144 delivered per fixture Dim: Per EE Mount: Wall Mount Finish: Steel Gray Rating: IP66		LSK 	Peerless RNNAWID-LCB-24FT-MSL8-90CRI-35K-1600LMF-XXX-XXX-P2-C210-SOEP	1 1/2" Tall by 4 1/2" Wide Wall Mounted indirect fixture	[8.8 W per foot Volts: Per EE Color Temp: 3500K CRI: 80+ Lumens: 575 delivered per foot Dim: 0-10V Mount: Wall Mount Finish: Per Architect		RSA 	Avalo Lighting AVALO-RGBW-35"-HALFSHIELD	1.77" Diameter Step Light fixture with half shield	[4.4 W per fixture Volts: Per EE Color Temp: RGBW CRI: 80+ Lumens: 126 Dim: 0-10V Mount: Recessed Finish: Per Architect	
LPA 	Peerless OPMA-TBD-XXX-80CRI-35K-1010LMF-510LMF-TBD-TBD-TBD-TBD	3 5/8" Tall by 3 5/8" Wide Pendant mounted direct-indirect LED fixture	[10.8 W per foot Volts: Per EE Color Temp: 3500K CRI: 80 Lumens: 1450 delivered per foot Dim: 0-10V Mount: Pendant		LSL 	Finelite HP-2-F-ID-XXX-4FT-S-835-RG-D-96LG-XX-SC-XXX-TBD-DE-FB	2" Aperture surface-mounted LED direct fixture.	[3.5 W per foot Volts: Per EE Color Temp: 3500K CRI: 80 Lumens: 383 per foot Dim: Per EE Mount: Surface Finish: Black						



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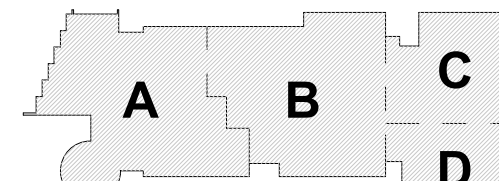
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www.dra-inc.com

Northeast Metropolitan Regional Vocational High School

100 Hemlock Rd.
Wakefield MA 01880

MSBA Design Development Submission

August 4th, 2022



KEY PLAN

PROJECT NORTH

MAGNETIC NORTH

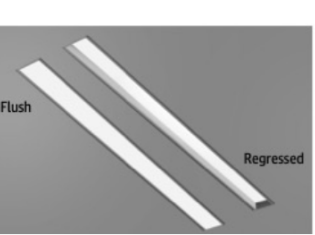
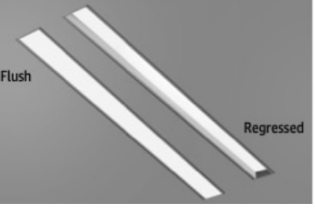
Scale:

Job No.: 20202

Drawn By: AL

Date: August 4th, 2022

LT8-1-1

Type	Manufacturer	Description	Lamp/Details	Scope/Notes/Location
RLA 	Finelite HP-2-R-WW-D-Varies-V-835-K-96LG-XXX-SC-FC-10%-TBD-FE-TBD	4" Tall by 2 1/4" Wide Recessed lensed linear wallwash fixture with angled lens and kicker reflector.	5 W per foot Volts: Per EE Color Temp: 3500K CRI: 80+ Lumens: 375 per foot Dim: 0-10V Mount: Recessed Finish: Per Architect	
RLB 	Prudential Lighting P59-A9-L-ED35K-SO-Varies-W-SC-XXX-TBD-TBD	10 5/8" Tall by 13 13/32" Wide with 9" wide aperture Indirect wall-wash perimeter cove system with telescoping ends for field-adjustments.	9.5 W per foot Volts: Per EE Color Temp: 3500K CRI: 80+ Lumens: 600 per foot Dim: 0-10V Mount: Recessed Finish: Matte White	
RLC 	Finelite H04-RO-Varies-H-835-OPN-835-XXX-SC-SE-TBD	3" Aperture linear fixture with indirect reflector.	6.7 W per foot Volts: Per EE Color Temp: 3500K CRI: 80+ Lumens: 776 per foot Dim: 0-10V Mount: Recessed	
RLD 	Acuity Brands SL4L-LOP-Varies-TBD-TBD-80CRI-35K-XXX	4" Wide by 2 3/8" Tall recessed linear lensed downlight fixture.	6 W per foot Volts: Per EE Color Temp: 3500K CRI: 80+ Lumens: 600 per foot Dim: 0-10V Mount: Recessed	Location: Restaurant Cosmetology area
RLE 	Acuity Brands SL4L-LOP-Varies-TBD-TBD-80CRI-35K-XXX	4" Wide by 4 3/8" Tall recessed linear lensed downlight fixture.	6 W per foot Volts: Per EE Color Temp: 3500K CRI: 80+ Lumens: 600 per foot Dim: 0-10V Mount: Recessed	Location: Restaurant Cosmetology area
RLF 	Lumenpulse LOI-ASHRAE-120/277-[LENGTH?]-30K-WW-[TILT?]-INTL-[CONTROL TBD]-ASL	2-5/16" wide aperture walk-over rated linear in-ground fixture with 5-9/16" Deep x 8-1/2" Wide housing and grazing or wallwash optics. Anti-slip lens and internal louver.	5 W per foot Volts: Per EE Color Temp: 3000K CRI: 80+ Dim: 0-10V Mount: Recessed In Ground Finish: Per Architect Rating: IP68/K10	Location: Front Signage Wall
RLG 	Prudential Lighting REG3-LED35-PROG130LM/FT-TMW-WA-LP-SC-UNV-X1-XXX-XXX	7 1/8" Tall by 6" Wide Recessed Linear Perimeter fixture	2.6 W per foot Volts: Per EE Color Temp: 3500K CRI: 80+ Lumens: 130 per foot Dim: 0-10V Mount: Recessed	Location: Corridors
RLH 	Elliptipar S-215-M112-T-02-M-[OPTIONS?]-0-835-[DIMMING?]	3'-0" Semi-recessed linear LED wallwash fixture.	63 W per fixture Volts: Per EE Color Temp: 3500K CRI: 80 Lumens: 6651 per fixture Dim: Per EE Mount: Semi-recessed Finish: Semigloss White	
SA 	Erco Tesis-Size 4-3000K-TBD	8" Diameter 6-5/8" Deep ingrade uplight fixture with wallwash or grazing optics.	16 W per fixture Volts: Per EE Color Temp: 3500K CRI: 80+ Lumens: 2200 per fixture Dim: 0-10V	
SWA 	Luminis Lighting L1L15-R30-XXX-BKT-K3-SL	6" x 12" Wall mount exterior rated architectural wall sconce with down light including integral LED lamp and solite lens.	15 W per fixture Volts: Per EE Color Temp: 3000K CRI: 80 Beam Spread: 30° Lumens: 1599 per fixture Dim: Yes Mount: Wall Mount Finish: Black	Location: Exterior
T1 	XAL MOVE1.2-PDF-TBD-BW-35-C90-48-Varies-Varies	2 3/8" Tall by 1 1/4" Wide Pendant Mounted Track with indirect component.	4 W per foot Volts: Per EE Color Temp: 3500K CRI: 80+ Lumens: 500 Indirect per foot Dim: 0-10V Mount: Pendant Finish: Per Architect	Location: Photo
TA 	XAL MOVEINS-JUST32-TBD-30K-C90-TBD-04000LM	1 1/4" Diameter Track mounted spot fixture with variable zoom optics.	9 W per fixture Volts: Per EE Color Temp: 3500K CRI: 80+ Lumens: 400 Dim: 0-10V	Location: Photo

Fixture Schedule		Progress - Not For Construction	Progress Design Development
General Notes			
A	Contractor shall supply and install a complete, fully functioning lighting system, including but not limited to: mounting hardware and accessories; appropriately sized transformers; power supplies; drivers; lamps; optical accessories; and electrical appurtenances.		
B	Contractor shall be responsible for final fixture counts of all lighting fixtures and accessories, as well as linear fixture run lengths, as shown on Architect's drawings.		
C	Contractor shall be responsible for verifying mounting conditions with mounting locations to ensure compatibility. Contractor shall notify Owner and Architect of any conflicts with all trades prior to the ordering of the equipment. For fixtures where more than one manufacturer is specified, mounting requirements may vary.		
D	Contractor shall verify compliance of all lighting equipment specified in its intended application on this project with all applicable national and local codes, ordinances, regulations and jurisdictions prior to ordering any equipment.		
E	Contractor shall supply "Contractor net" unit pricing for each lighting product specified. Unit price shall be for equipment only and shall not include installation or other costs. The unit price supplied shall be guaranteed for the project and valid for additions and deletions of product throughout the duration of the project.		
F	All drawings represent visual concepts and suggestions only. Available Light is not qualified to determine structural or electrical suitability and will not assume liability for improper engineering, construction or handling of design concepts.		
G	The accompanying drawings and all the ideas, arrangements, designs, and plans indicated thereon or represented thereby are owned by and remain the property of Available Light and have been created and developed for use on and in connection with the specified project. Neither this drawing, nor any such ideas, arrangements, designs, or plans shall be appropriated by or disclosed to any person, firm, or corporation for any use or purpose whatsoever, except by the specific and written permission of Available Light.		
H	Written dimensions on drawings shall have authority over scaled measurements. Contractor shall field verify all dimensions on the job and inform the Architect of any proposed variations from drawings prior to performing the work.		
I	Do not scale electrical drawings for exact location of the lighting fixtures. Refer to Architect reflected ceiling plans and other lighting layouts for proper locations of lighting fixtures.		
J	Contractor shall not substitute products unless approved in writing by Available Light and/or Architect. Lighting fixture, ballast, driver, power supply, lamp, and/or accessory substitutions shall be formally presented to Available Light no later than fourteen (14) working days prior to bid due date. All proposed substitute fixtures must: 1) Be proven to meet or exceed the standards of quality, design, appearance, and performance as established by the lighting fixture specified by Available Light. See next note for list of items to be submitted for all substitutions. 2) Afford to the owner a significant economic benefit.		
K	Contractor shall coordinate changes due to use of approved substitutes with all trades. For a fixture type where a manufacturer is named as equal, the equal shall meet aesthetic criteria of the specified fixture, including but not limited to: dimensional criteria, finishes, including custom finishes; mounting details; and specified modifications. Additionally, for a fixture type where a manufacturer is named as equal, the equal shall meet the minimum performance requirements as defined by specified product, including but not limited to: regulatory listings; output as measured in delivered lumens; center beam candle power (CBCP); baseline efficacies as measured from nadir; LED binning; color rendering (CRI); color temperature (CCT); Duv per Manufacturers supporting documentation; dimming and method; five (5) year minimum warranty including LED engine and driver; L70 lumen maintenance tested according to IES LM79; and specified modifications.		
L	Contractor shall provide the following items to the Architect and Available Light for evaluation of proposed substitutions: 1) A current manufacturer's data sheet with luminaire catalog numbers. 2) A complete and working sample wired with cord and plug for 120V operation furnished upon request. 3) A complete photometric report for the proposed substitute fixture using the same lamp type, wattage, and distribution as per the specification. The photometric report should include TM-30 or CRI documentation with R 1-14 values, tabulated candlepower values, a coefficient of utilization table, and an ISO foot-candle diagram from an independent testing laboratory. The photometric report must reflect the fixture specified without modification to the file. 4) The specified product defines minimum performance requirements as defined by specified product including but not limited to: regulatory listings; output as measured in delivered lumens; center beam candle power (CBCP); baseline efficacies as measured in lumens delivered per watt; cut-off angle as measured from nadir; LED binning; color rendering (CRI); color temperature (CCT); Duv per Manufacturers supporting documentation; dimming and method; five (5) year minimum warranty including LED engine and driver; and L70 lumen maintenance tested according to IES LM79. 5) The Contractor shall submit a signed document stating that if the proposed substitution is accepted the project schedule will not be negatively affected.		
M	Contractor shall provide the following items to the Architect and Available Light for evaluation of specified fixtures: 1) Manufacturer's product data sheets for each luminaire indicating luminaire type, dimensions, driver/ballast/power supply/transformer quantity and type, lamp quantity and type, photometric data (including lumen output, CRI & TM-30 data), materials, finishes, accessories, voltage, input wattage, CFM data, and photographic image of luminaire. 2) Manufacturer's data sheet for each driver/ballast/power supply/transformer including driver/ballast/power supply/transformer type, power factor, input voltage, input watts, and ballast factor. 3) Scaled and dimensioned detail plan and elevation drawings of custom and continuous row type luminaires including joints, mounting points and type, power connection locations(s), and emergency or separate switching configurations. 4) For custom luminaires, manufacturer shall perform and submit all engineering calculations as required to ensure the safe and proper installation and operation of the luminaire. 5) Dimming Power Supply Compatibility Certificates: Signed by driver/ballast/power supply manufacturer certifying that driver/ballast/power supply is compatible with dimming systems and equipment with which they are used. 6) For all submittals contractor shall submit within 2 weeks of award of bid. All submittals shall have project name and luminaire type clearly shown.		
N	Electronic devices that generate radio frequency energy must not interfere with other electronic devices and must not be susceptible to interference from other devices. Equipment shall not be an Electromagnetic (EM) polluter or be effected by EM pollution. All relevant equipment shall comply with current EMC standards.		
O	Unless otherwise specified all downlights (recessed, wallwasher, and adjustable) shall be supplied by the same manufacturer, and all linear fixtures (recessed, pendant, and surface mounted) shall be supplied by the same manufacturer.		
P	Unless otherwise specified, all retrofit LED lamps shall be manufactured by LEDvance (Osram-Sylvania), Philips, GE, Soraa, or Green Creative. All lamps of a given type shall be supplied by the same manufacturer.		
Q	Unless otherwise specified, all LED drivers shall be manufactured by one of the following: Advance (Philips), LEDvance (Osram Sylavnia), Hatch, EldoLED, or Lutron.		
R	All fixtures shall be supplied with specified lamp(s). Contractor shall provide an additional 10% replacement lamps (minimum two of each lamp type specified). For fixtures that use replaceable LED modules and drivers rather than lamps, Contractor shall provide an additional 5% (minimum one) of each driver and module type.		
S	Fixture construction and installation shall ensure no light leaks between ceiling trims of recessed lighting equipment and the ceiling plane. For applications in perforated or partially translucent ceiling, fixture construction shall also ensure no light leaks above the ceiling plane.		
T	Reflectors, reflector cones, and visible trim of all lighting fixtures shall not be installed until completion of plastering, ceiling tile work, painting, and general cleanup. Reflectors, reflector cones, and visible trim shall be carefully handled to avoid scratching or fingerprinting.		
U	At the time of acceptance by the Owner, all lighting fixtures shall have been thoroughly cleaned with materials and methods recommended by the manufacturers, all broken parts shall have been replaced, and all lamps and/or LED modules shall be operative.		
V	The Owner shall perform regular maintenance on all luminaires in order to ensure expected performance. Fixtures may produce light past their rated life, however, lamps/ballasts/drivers/components must be replaced at or before rated end-of-life for the luminaire to meet minimum photometric performance standards. Neither the Architect nor Available Light shall be held responsible or liable for improper service and maintenance of lighting systems.		
W	Budget pricing is the cost the Owner should be prepared to pay for a specific luminaire or system. Price includes lamp(s) but does not include freight, tax, or installation costs. Owner level fixture prices were received directly from the manufacturer's agent, or derived by adding a 15% distributor markup and a 15% contractor markup to a Distributor Net price received from the manufacturer's agent, unless otherwise noted. Details regarding the source of individual fixture budget prices are available upon request.		
X	Contractor shall supply all low-voltage control data lines and wiring in order to properly network and dim fixtures together per control intent documentation and manufacturer's documentation. Data runs must be properly terminated.		
Y	Due to rapid advances in LED technology, Available Light reserves the right to change lamp or LED module specifications at the time of submittal to another lamp or LED module of equal or lesser cost.		
1	Final finish of fixture shall be approved in writing by Architect.		
2	Mounting height shall be coordinated with Architect's elevations.		
3	Fixture shall be aimed and focused by Contractor under the direction of Available Light.		
4	The Contractor shall provide all ladders and mechanical lifts (i.e scissiors lifts, articulating boom arm lifts, etc.) for the exclusive use of the aim and focus effort. The number and type of lifts and/or ladders to be pre-approved by Available Light. Crew shall arrive at aim and focus equipped with appropriate aim and focus tools including wrenches, gloves, electrical testers, etc., as per industry standards for a theatrical lighting technician. All costs associated with aiming and focusing shall be included in the bid, including but not limited to travel expenses, parking, storage, etc.		
5	Junction boxes and/or conduit that is used to wire fixtures and that is open to view shall be painted to match adjacent structure.		
6	Fixture or track shall be mounted to structure in a manner recommended by the manufacturer without compromising the integrity of the structure. Contractor shall be responsible for all materials required to insure a safe and proper pendant installation. Contractor to coordinate changes in size of fixtures or track due to use of approved substitutes with all trades. Tracks shall be mounted to prevent twisting when fixtures are aimed and focused causing an asymmetrical load.		
7	Prior to the onsite arrival of Available Light, all luminaires shall be installed in the proper positions as indicated in the construction documents with all mechanical shutters pulled and beams of light directed straight down. Accessories (spread lenses, color filters, screens, gobos, top hats, snoots, etc.) shall be installed under the supervision of Available Light during the aim and focus period.		
8	Remote transformers, power supplies, or drivers shall be located in nearby accessible, concealed-from-view location with manufacturer recommended ventilation available. As per manufacturer's recommendations, Contractor shall not exceed the maximum allowable distance between any luminaire and its associated remote control devices. Contractor shall supply manufacturer's transformer, power supply or driver of proper capacity.		
9	"Local Control" means the controller or dimmer is mounted within the exhibit, rather than a central lighting controller.		
10	Prior to aim and focus, all DMX fixtures shall be properly addressed per Available Light's specification and tested using the specified control system (i.e. not a local test device).		

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DRA

Drummeey Rosane Anderson, Inc.
225 Oakland Road
Studio 205
South Windsor, CT 06074
Tel: 817.954.1700
www.dra.com

260 Charles Street
Studio 300
Waltham, MA 02453

Planning | Architecture | Interior Design

Northeast
Metropolitan
Regional
Vocational High
School

100 Hemlock Rd.
Wakefield MA 01880

MSBA Design
Development
Submission

August 4th, 2022

A

B

C

D

KEY PLAN

PROJECT NORTH

MAGNETIC NORTH

Scale:
Job No.: 20202
Drawn By: AL
Date: August 4th, 2022

LT8-2-1