Diagram, engineering drawing

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| **Notes** |
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![Qr code

Description automatically generated](data:image/png;base64,iVBORw0KGgoAAAANSUhEUgAAADYAAAA2CAMAAAC7m5rvAAAAAXNSR0IArs4c6QAAAARnQU1BAACxjwv8YQUAAAAeUExURQAAABEREf///6qqqqmpqVVVVTg4OAEBAQsLCwAAAJCG1AUAAAAKdFJOU////////////wCyzCzPAAAACXBIWXMAACHVAAAh1QEEnLSdAAAAeUlEQVRIS+3T0QqAIBQDUE3q/z85cHtoOMKSpOiet8vdKBFTeIW8GNxhKJxE1Bq2VmCtNiaFrREjzs0aD2Ax4cz9ybGzyWAxQfwaJwwWEzS39omzKY1gsA9HIRi1AwQ7anpv3aLWeKCG1eV7w+p3tZQrDupkFQaltAPC8gapI8cNqQAAAABJRU5ErkJggg==)![Qr code

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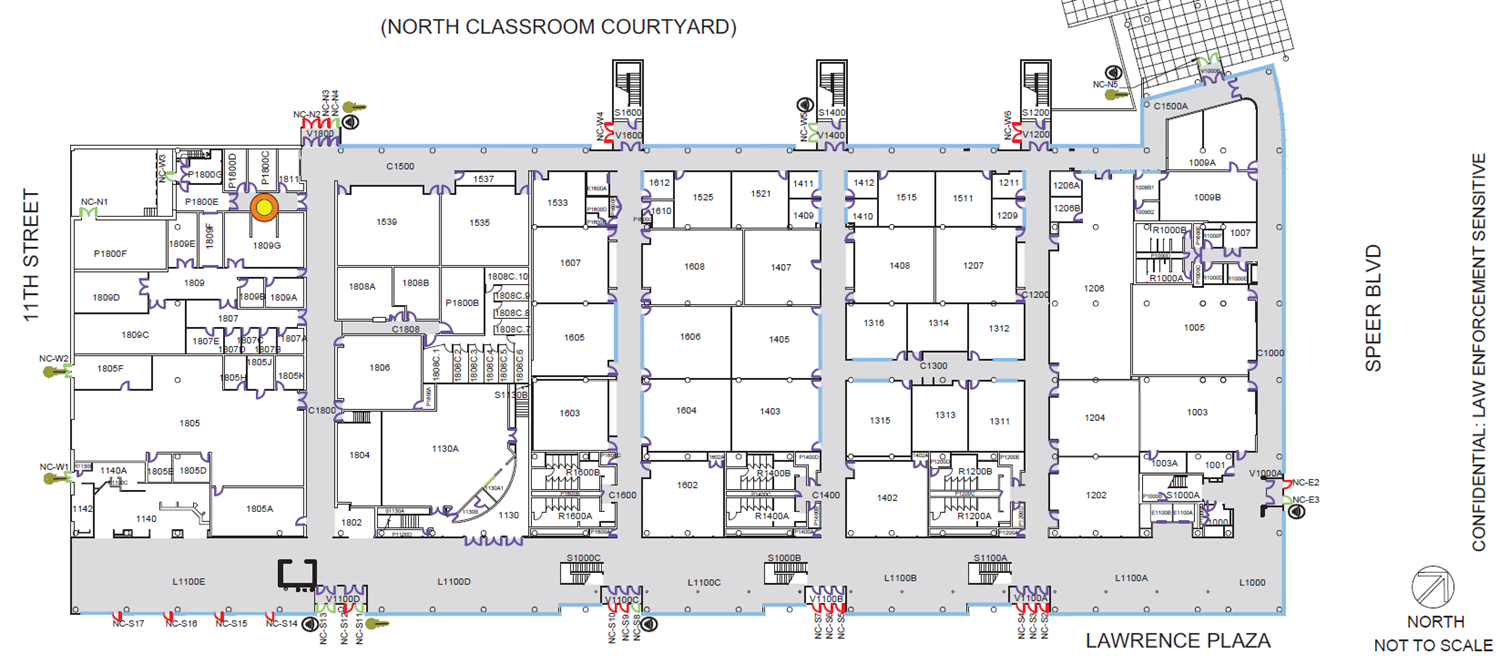
Description automatically generated](data:image/png;base64,iVBORw0KGgoAAAANSUhEUgAAAD8AAAA/CAMAAABggeDtAAAAAXNSR0IArs4c6QAAAARnQU1BAACxjwv8YQUAAAA8UExURQAAAIKCgv///1VVVfv7+xoaGvX19ampqaioqP7+/ggICFRUVFdXV6qqqn5+fhwcHAkJCXx8fAMDAwAAALcxVGEAAAAUdFJOU/////////////////////////8AT0/nEQAAAAlwSFlzAAAh1QAAIdUBBJy0nQAAAJZJREFUWEftlNsKgCAQRC2hl4js/3+2i2eF1qR8CIn2PDWzjIOx6Azjgq6PeLSA3SOLWD7ylXzA14NJ2cgsP+MPaOFp3voBLbTq1/uDTGAndH9t3voBXZ333o87U2TZ9E5gvn0eY5Bjczh/QVZj+aZ52aNSnnG2PwnmX83/9f7p/QCdx779b0JtXt4/wfrPYL/Wb/wR51ZKKAwTpXgzTAAAAABJRU5ErkJggg==)![Qr code

Description automatically generated](data:image/png;base64,iVBORw0KGgoAAAANSUhEUgAAAD0AAAA9CAMAAAApvJHbAAAAAXNSR0IArs4c6QAAAARnQU1BAACxjwv8YQUAAAAbUExURQAAANLS0v///7u7u/7+/tTU1B0dHSgoKAAAAOWvZ14AAAAJdFJOU///////////AFNPeBIAAAAJcEhZcwAAIdUAACHVAQSctJ0AAAClSURBVEhL7dTBCsJADATQouj/f7KHfRswUUJbRJR9t9mZeKvb8idug7TXZZD2WtdH7Lu+pvnrOHkN63p4HSev4ZvXb1hn2o51pu1YZ9qOdabtWGfajnWm7Vhn2sI/8WSdGRfqhnGhbhgX6oZxoW4YF+qGcaFuGBfqhnGY33eijR8Vs3X9RPsL12LM8TqfpbCuB3Hy+pnrO2JkvM5n6YATp8tp2/YAKCIKmkcQaaQAAAAASUVORK5CYII=)![Qr code

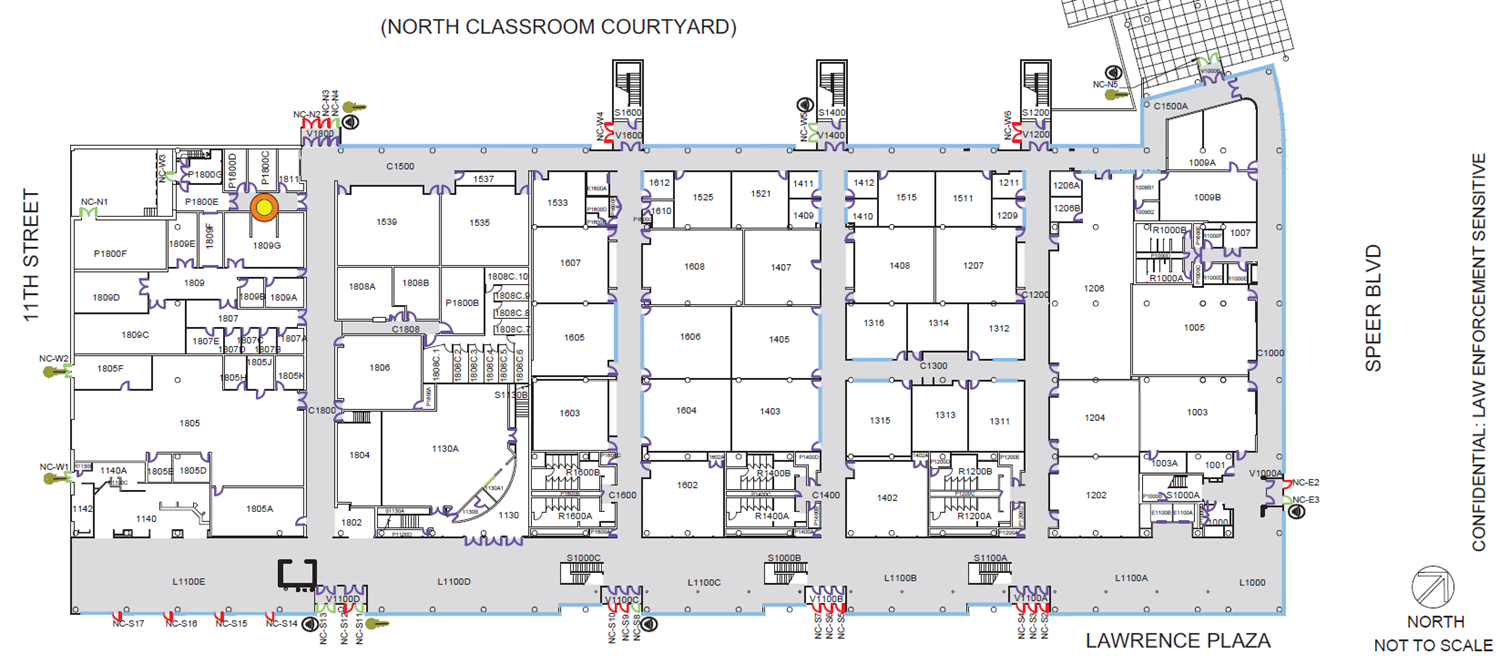
Description automatically generated](data:image/png;base64,iVBORw0KGgoAAAANSUhEUgAAAD0AAAA+CAMAAACvKON1AAAAAXNSR0IArs4c6QAAAARnQU1BAACxjwv8YQUAAAAeUExURQAAAFRUVP///9TU1JKSksjIyD8/P7+/v5aWlgAAAAWYALQAAAAKdFJOU////////////wCyzCzPAAAACXBIWXMAACHVAAAh1QEEnLSdAAAAf0lEQVRYR+3SywqAMAxE0fru/3+xi94gCUja4gM0ZzfNDG5MIRyGsSA2inWPa9YTeK4ka8FzpVgXPFdqXNOSmqyJHtqxVtFD+9F1NjWixdWazZlocbX++u031yfkbzEWzo5YK/esVxBlvWmZs0VbfgtZEz20Y62ih3bnOnxZSjt4iAdVRMNimAAAAABJRU5ErkJggg==)![Qr code

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Description automatically generated](data:image/png;base64,iVBORw0KGgoAAAANSUhEUgAAAD8AAAA/CAMAAABggeDtAAAAAXNSR0IArs4c6QAAAARnQU1BAACxjwv8YQUAAAAbUExURQAAAP///1RUVP7+/qqqqsbGxldXV6enpwAAAHMguvYAAAAJdFJOU///////////AFNPeBIAAAAJcEhZcwAAIdUAACHVAQSctJ0AAACDSURBVFhH7dTRCoMwEETRVOz//3IfelZoJNQIFixz32Z3bvJgsIUwwQPiNPT4J6Ff59tXYREL4zF68d/cxrffCuIqFsb7c8zjQ/yZv2KB3lPUGvuFfY9tfIh77Htsr/d97x6vY3se2odx7fjeL9Djn4Q+7dd/QJw+J/5nX7yNH/6Z1l5RUQQPpaLQjwAAAABJRU5ErkJggg==)

Define as “near stairs” nodes, create instruction to use them if room not on current floor – catch all function (works for this building)



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Bidirectional at door with interior wall needs 3 tag ids

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‘Street’ naming convention should be consulted with occupants of building. Which entrance is main, where is most traffic, where is the central hub of building, etc.

Tag hangers omnidirectional, can be folded into wall, high enough to prevent tampering or damage. Vectors represent direction of face

Example case where distance to next tag required, but if room down connected corridor, “right *N* ft to 5th street”, then @ 5th, “destination (room number) *M* ft on left”

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Define distance from node to room keeping in mind nearest door to respective tag

4 tag hanger. Start at ‘left’ count clockwise. Continue with pattern and keep consistent.

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Nodes are connected directly to each other with distance to described tag (i.e., street name) allows pathfinding to and through tag.

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Each node labeled with “street signs” — descriptive name (preferably based on cardinal directions and/or numbers) provided by app in addition to the direction and distance

Possible ‘Help’ tab in app provides common tag layout/location photos and room number patterns for user reference

User loads address, enters room number, visualizes tag immediately upon entering building

If some variable not satisfied (i.e., first digit of id is ‘2’ vs ‘0’) – means nth floor. Can extrapolate to larger building room numbers

Each “crossroads” node contains 4 tag ids to face all directions

Throughfare needs 2 tag ids

Need to figure out potential voice commands (API?) to accompany the printed value from app.

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Complex layout, survey for best distance fit

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Potential to be automatically triggered via dispatch, requiring only user confirmation

We can add distance through nodes and total distance to terminator in graph.

Top of stairs are a concern. May need dedicated tag leading to corridor.

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Diagram

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