

Name: Collin Jones
Advisors: Richard Mistrick | John Reese
Option: Lighting/Electrical
Slide Outline

1) Introduction (3 total slides)

- a) *Title Slide (1 slide)*
- b) *Building Overview (2 slides)*

2) Lighting Depth (11 total slides)

- a) *Overview Slide (1 slide)*
- b) *Main Entrance (3 slides)*
 - i) Design Goals/Criteria
 - ii) Calculations and Analysis
- c) *Main Lobby (4 slides)*
 - i) Design Goals/Criteria
 - ii) Calculations/Analysis
 - iii) Emergency Lighting Calculations and Analysis
- d) *Training Room (3 slides)*
 - i) Design Goals/Criteria
 - ii) Calculations/Analysis

3) Electrical Depth (7 total slides)

- a) *Distribution System (5 slides)*
 - i) Side-by-side comparison of old-vs-new
 - ii) Cost Analysis
 - iii) Final Design Overview
- b) *Emergency Generator Redesign (2 slides)*

4) Mechanical Breadth (3 total slides)

- a) *Introduction/Problem Statement (1 slide)*
- b) *Analysis (1 slide)*
- c) *Solution (1 slide)*

5) Acoustical Breadth (3 total slides)

- a) *Introduction/Problem Statement (1 slide)*
- b) *Analysis (1 slide)*
- c) *Solution (1 slide)*

6) Conclusion (1 total slide)

- a) *Summary/Acknowledgements*

**Approximate Slide Total: 28 + support slides

CONEWAGO ENTERPRISES, INC.
OFFICE FACILITY

COLLIN JONES
LIGHTING | ELECTRICAL
SENIOR THESIS PRESENTATION

INTRODUCTION

Building Overview

LIGHTING DEPTH

Main Entrance

Main Lobby

Training Room

ELECTRICAL DEPTH

Distribution System

Emergency Generator

MECHANICAL BREADTH

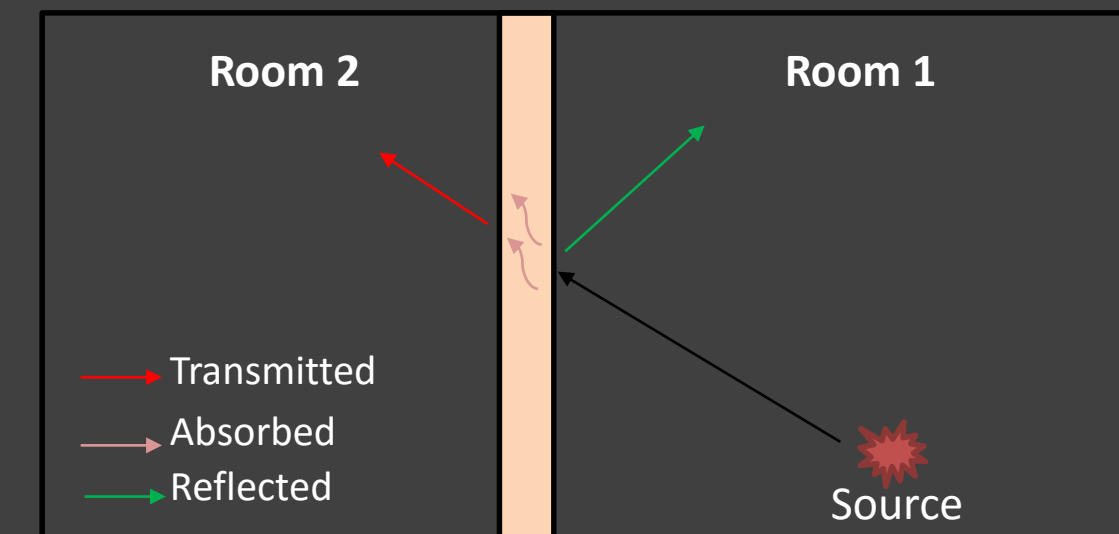
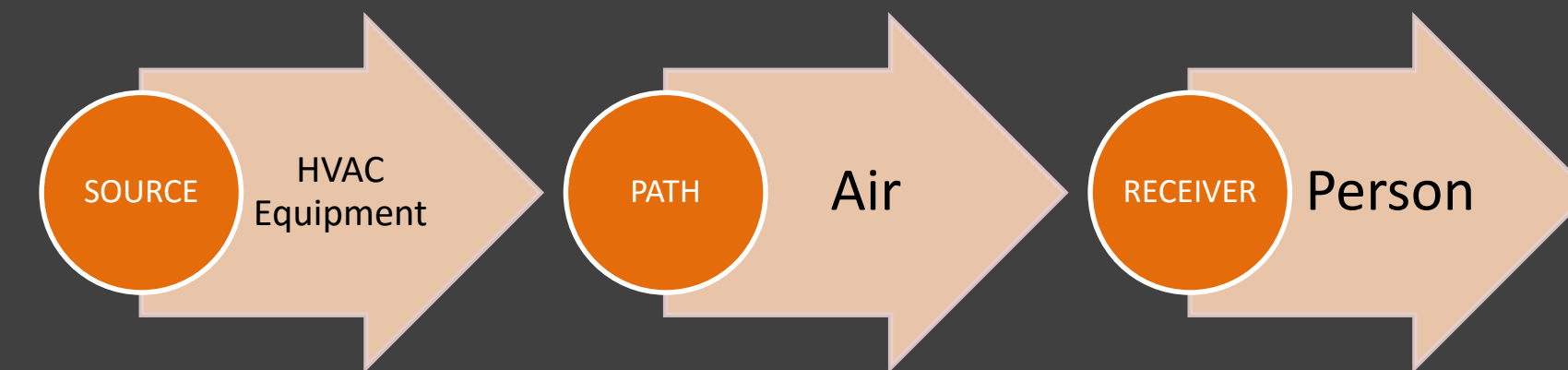
Mechanical/Electrical Room Analysis

ACOUSTICAL BREADTH

Wall Partition Analysis

CONCLUSION

Summary | Acknowledgements



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MECHANICAL BREADTH

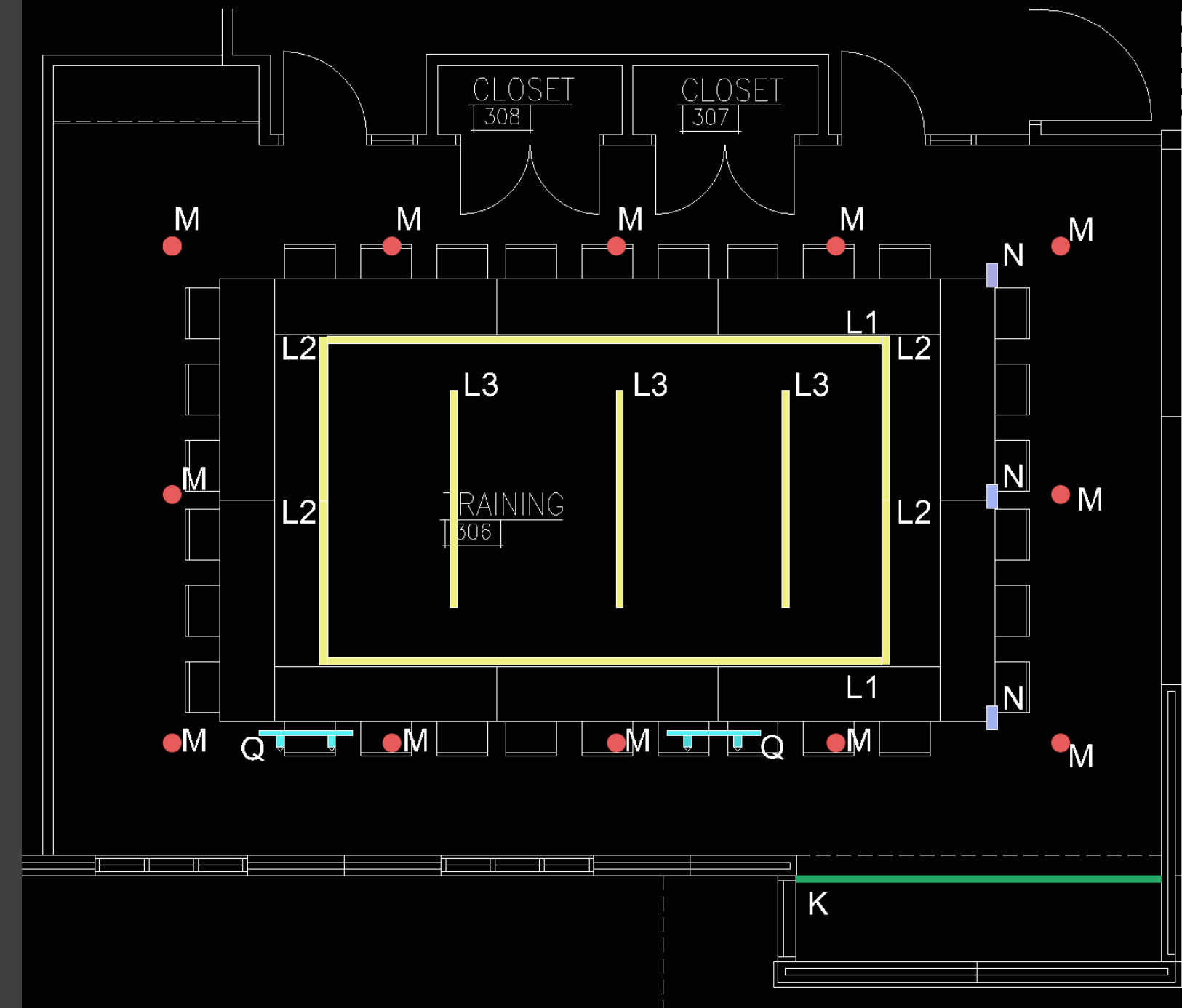
Mechanical/Electrical Room Analysis

ACOUSTICAL BREADTH

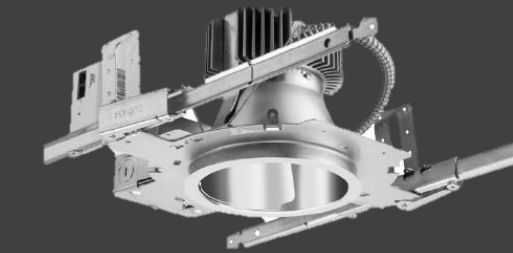
Wall Partition Analysis

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Type L - 4" Slot LED Fixture



Type M - 6" LED Recessed Downlight



Type Q - LED Track Fixture



Type N - Wall Wash Fixture

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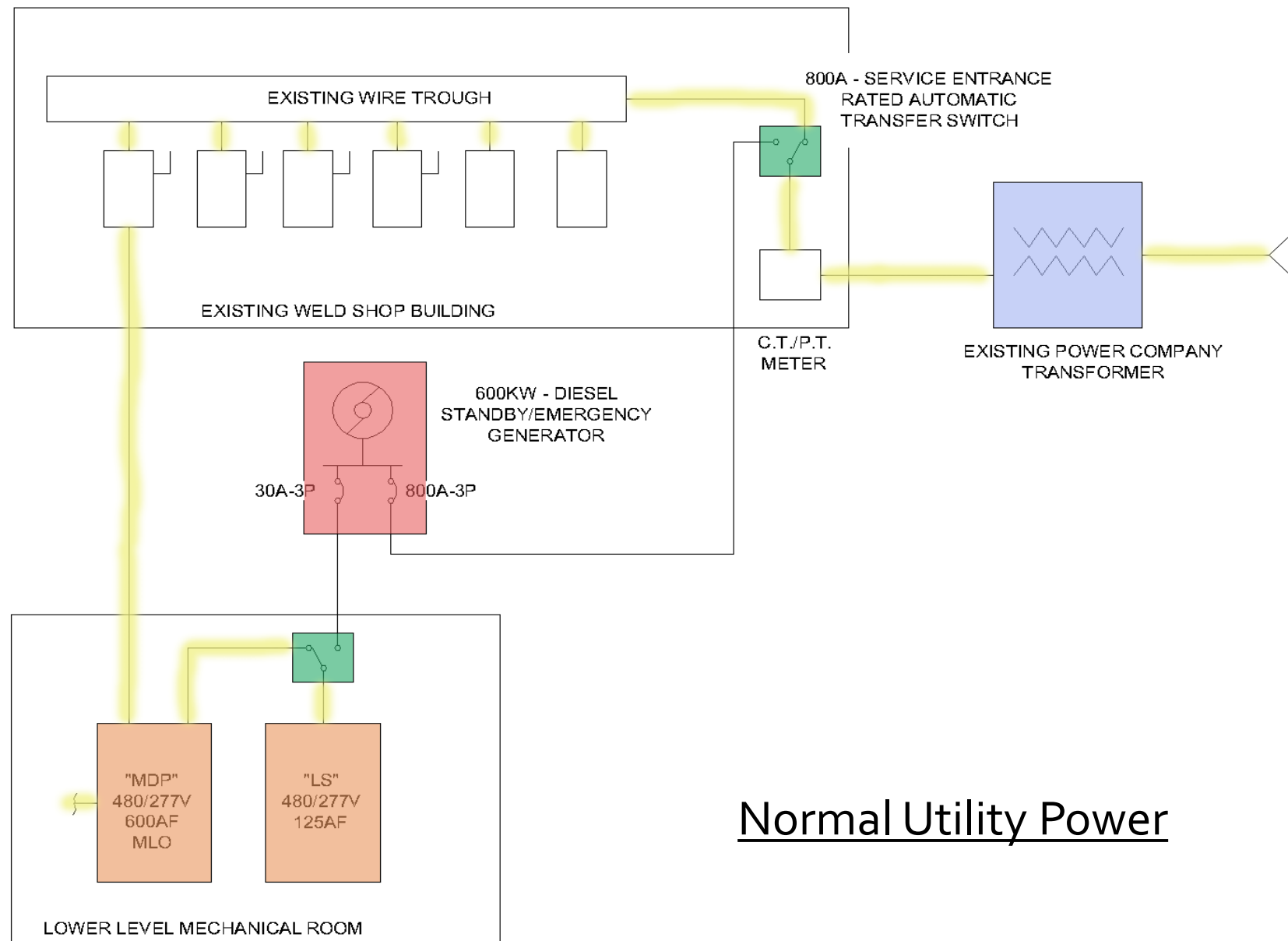
Mechanical/Electrical Room Analysis

ACOUSTICAL BREADTH

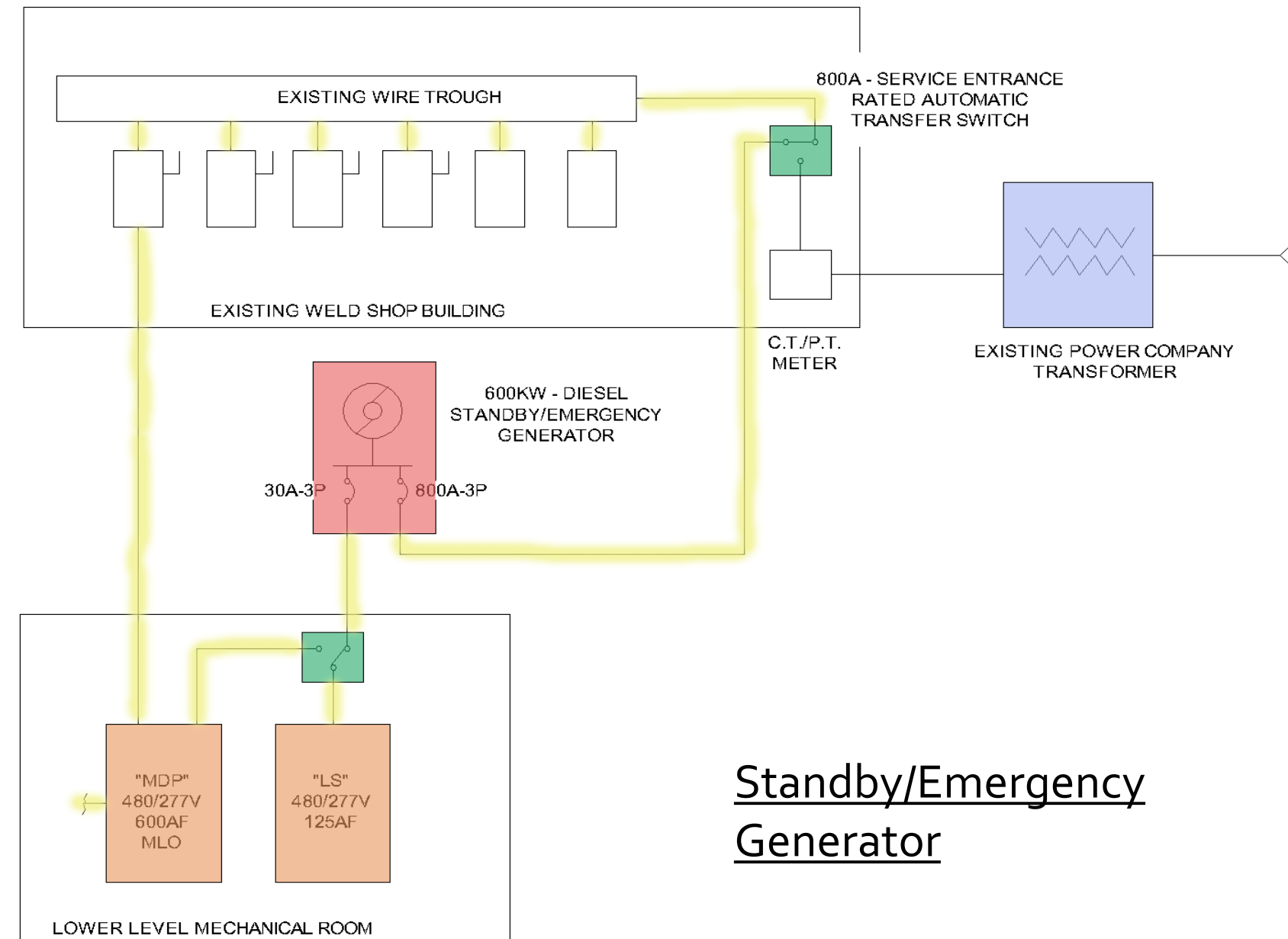
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Normal Utility Power



Standby/Emergency Generator