



# Electrical Panel Upgrade

## MADISON MUNICIPAL BUILDING

215 Martin Luther King Jr. Blvd.  
Madison, WI 53701-2984

City of Madison

Contract #6965 Bid Drawing

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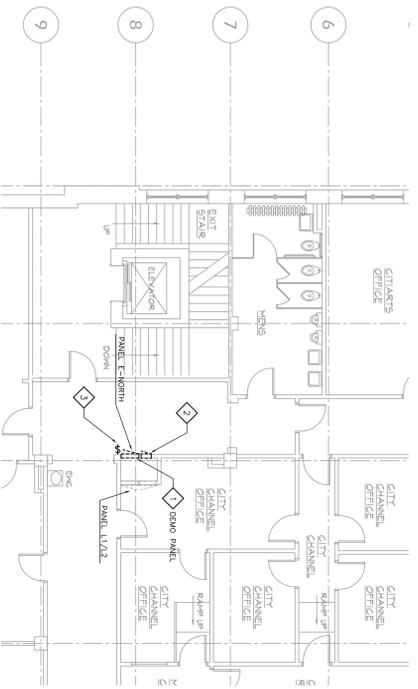
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8-15-09	10% REVIEW DOCUMENTS
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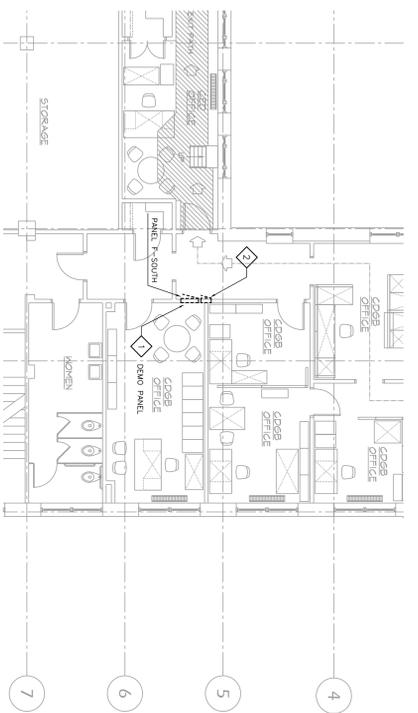
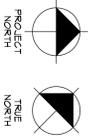
TS-1



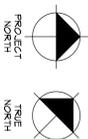




PARTIAL SECOND FLOOR ELECTRICAL DEMOLITION PLAN  
1/8" = 1'-0"



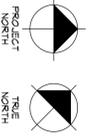
PARTIAL SECOND FLOOR ELECTRICAL DEMOLITION PLAN  
1/8" = 1'-0"



- ELECTRICAL DEMOLITION NOTES:**
- 1. RECONNECT & REMOVE POWER FEEDERS TO EXISTING PANEL. REMOVE PANEL INTERIOR, DISCONNECT AND REMOVE PANEL. REUSE FOR REUSE WITH NEW TERMINATION BLOCK.
  - 2. REMOVE EXISTING TELEPHONE HINGED PANEL COVER.
  - 3. REMOVE EXISTING LIGHT SWITCH FOR REPLACEMENT WITH NEW PLAN.
  - 4. **Removal of light switch shall be completed by the owner at a later date.**



SECOND FLOOR ELECTRICAL PLAN  
1/8" = 1'-0"



- ELECTRICAL PLAN NOTES:**
- 1. INSTALL NEW SURFACE-MOUNTED DISTRIBUTION PANEL IN EXISTING WALL WITH BLOCKS TO NEW PANELBOARD. ELECTRICAL CONTRACTOR SHALL VERIFY ALL EXISTING CIRCUIT DEVICES SERVED & LABEL DEVICES & PANEL CIRCUIT DIRECTLY ACCORDANT.
  - 2. EXTEND EXISTING DISTRIBUTION PANEL ENCLOSURE WITH NEW SURFACE-MOUNTED TELEPHONE PANEL, FIELD VERIFY EXISTING TELEPHONE PANEL LOCATION & SIZE.
  - 3. PROVIDE NEW INSULATING SERVICE TERMINATION BLOCK ASSEMBLY FOR 30 FIELD VERIFY PANEL LOCATION & SIZE.
  - 4. EXTEND EXISTING TELEPHONE PANEL BOX AND PROVIDE HINGED TELEPHONE PANELS LOCATION.
  - 5. PROVIDE NEW INSULATING SERVICE TERMINATION BLOCK ASSEMBLY FOR 30 FIELD VERIFY PANEL LOCATION & SIZE.
  - 6. EXISTING WALL WILL BE TYPED OUT BY OWNER TO ENCLOSE NEW TELEPHONE PANEL. ELECTRICAL CONTRACTOR SHALL VERIFY ALL EXISTING CIRCUIT DEVICES SERVED & LABEL DEVICES & PANEL CIRCUIT DIRECTLY ACCORDANT.
  - 7. CUT & PATCH EXISTING SURFACES. RESTORE ALL CONDUIT PENETRATIONS OF WALLS, CEILING & CEILING.
  - 8. RELOCATION OF LIGHT SWITCH DEVICE BY OWNER.

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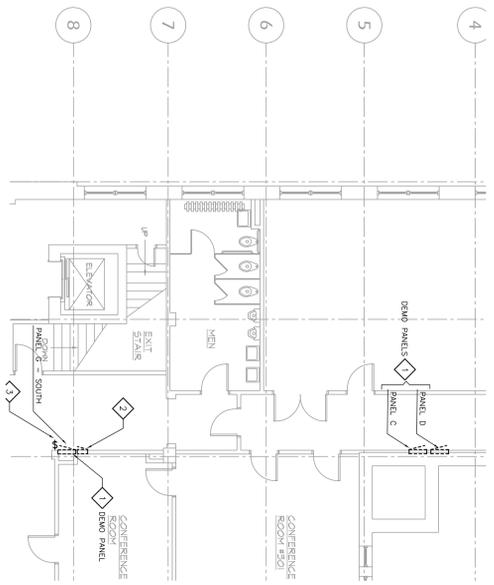


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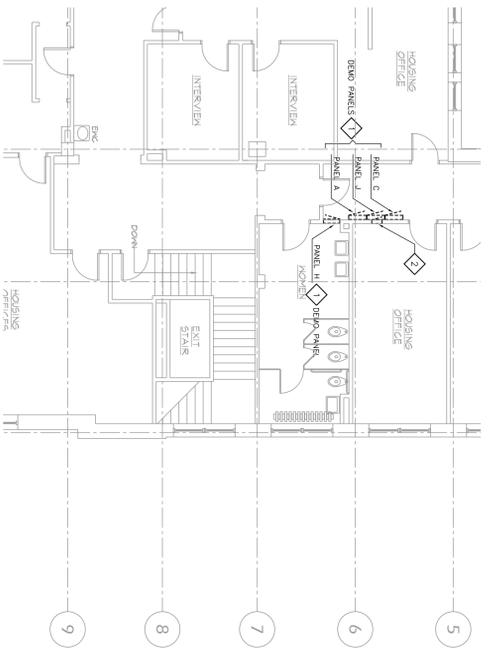
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E-3

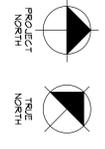
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PARTIAL THIRD FLOOR ELECTRICAL DEMOLITION PLAN  
1/8" = 1'-0"



PARTIAL THIRD FLOOR ELECTRICAL DEMOLITION PLAN  
1/8" = 1'-0"

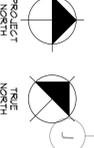


- ELECTRICAL DEMOLITION NOTES:**
- 1. DISCONNECT & REMOVE POWER FEEDERS TO EXISTING PANEL. REMOVE PANEL INTERIOR DOOR, AND PROTECT BRANCH WIRING FOR REUSE WITH NEW TERMINATION BLOCK.
  - 2. REMOVE EXISTING TELEPHONE HINGED PANEL COVER.
  - 3. REMOVE EXISTING LIGHT SWITCH FOR REPLACEMENT WITH NEW PLAN. **Removal of light switch shall be completed by the owner at a later date.**

- ELECTRICAL PLAN NOTES:**
- 1. INSTALL NEW SURFACE-MOUNTED DISTRIBUTION PANEL AT EXISTING WALL WITH FEEDER TO USE, EXTEND EXISTING BRANCH CIRCUITS FROM TERMINATION BLOCKS TO NEW PANELS. SERVO & LABEL DEVICES & PANEL CIRCUIT DIRECTORY ACCORDINGLY.
  - 2. EXTEND EXISTING DISTRIBUTION PANEL ENCLOSURE WITH NEW SURFACE-MOUNTED FIELD VERIFY PANEL LOCATION SIZE.
  - 3. PREPARE NEW RESIDUING SPACE TERMINATION BLOCK ASSEMBLY FOR 30 TELEPHONE PANELS LOCATION.
  - 4. CONVERT EXISTING TELEPHONE PANEL, BOX AND REMOVE HANGING TELEPHONE PANELS LOCATION.
  - 5. CONVERT EXISTING PANEL TO SPACE BOX WITH NEW RECESSED SPACE BOX AND PROVIDE COVER, HINGED PANEL COVER AND PROVIDE HANGING TELEPHONE PANELS LOCATION.
  - 6. CONVERT EXISTING PANEL TO SPACE BOX AND PROVIDE HANGING TELEPHONE PANELS LOCATION.
  - 7. CONVERT EXISTING PANEL TO SPACE BOX AND PROVIDE HANGING TELEPHONE PANELS LOCATION.
  - 8. CONVERT EXISTING PANEL TO SPACE BOX AND PROVIDE HANGING TELEPHONE PANELS LOCATION.
  - 9. CUT & PATCH EXISTING SURFACES. FIRESTOP ALL CONDUIT PENETRATIONS OF WALLS, FEEDERS & CEILINGS.
  - 10. RELOCATION OF LIGHT SWITCH DEVICE BY OWNER.



THIRD FLOOR ELECTRICAL PLAN  
1/8" = 1'-0"



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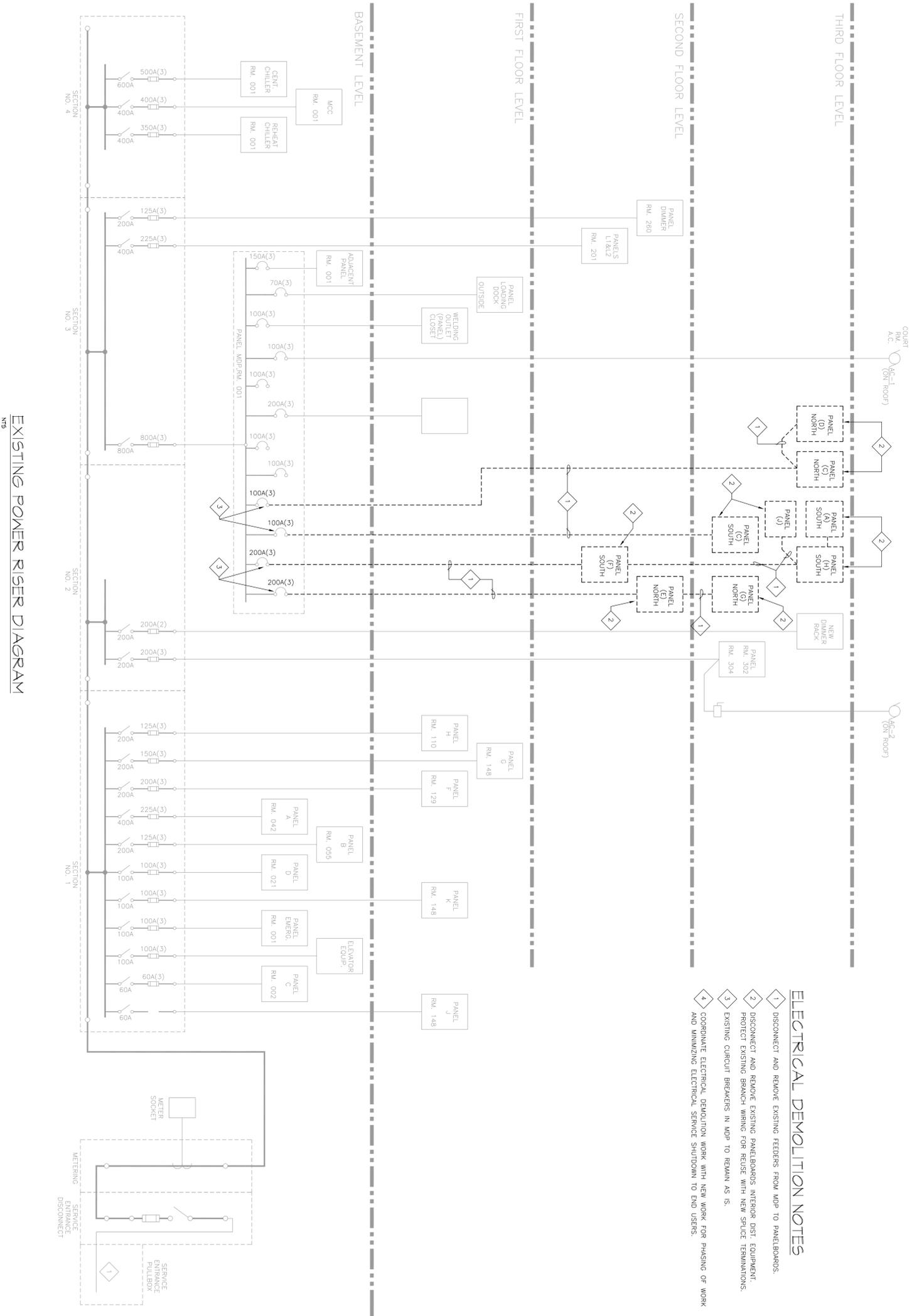


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Sheet Number

E-4



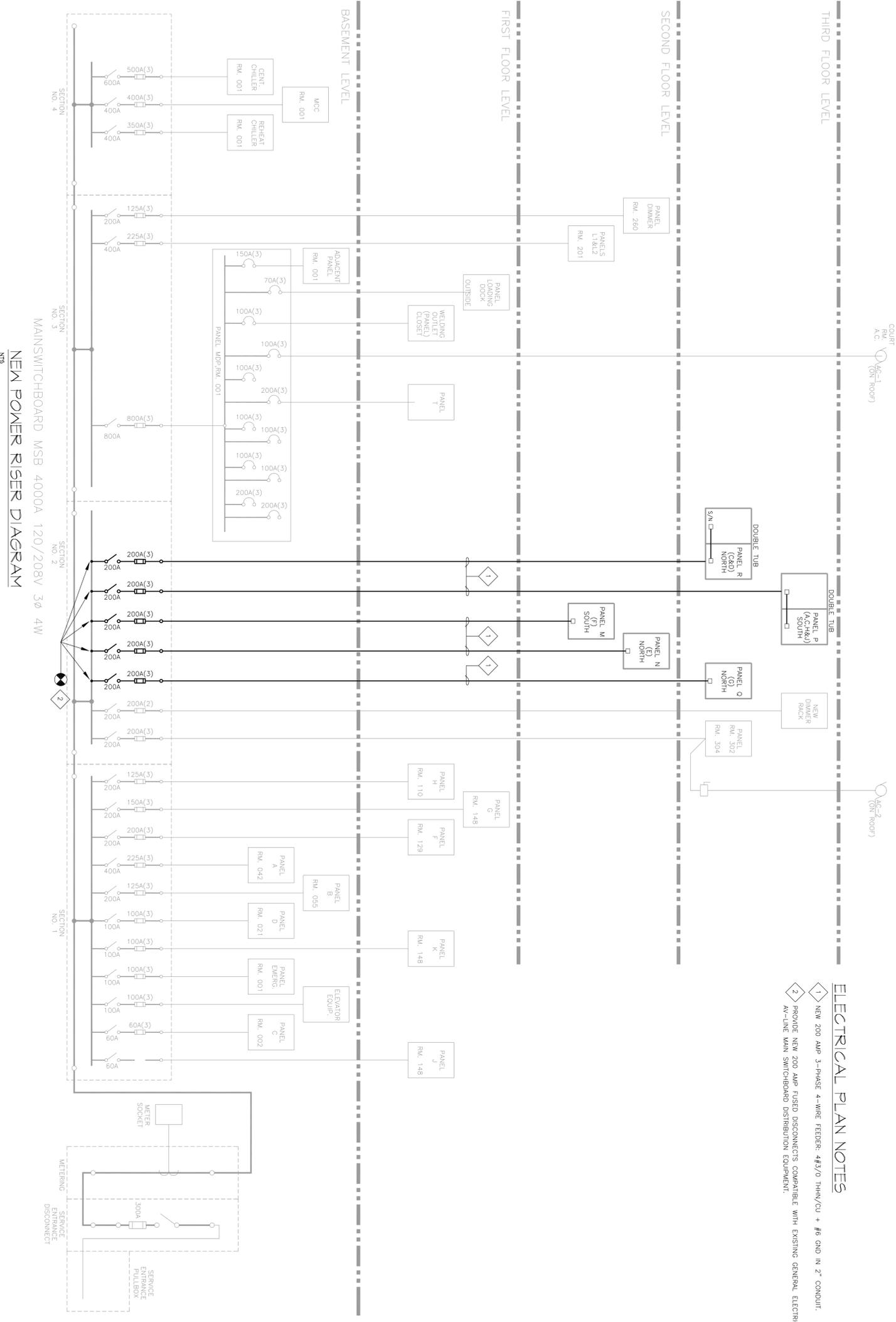
EXISTING POWER RISER DIAGRAM

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**ELECTRICAL PLAN NOTES**

- 1 NEW 200 AMP 3-PHASE 4-WIRE FEEDER, 4/3/0 THHN/CU + #6 GND IN 2" CONDUIT.
- 2 PROVIDE NEW 200 AMP FUSED DISCONNECTS COMPATIBLE WITH EXISTING GENERAL ELECTRIC, AY-LINE MAIN SWITCHBOARD DISTRIBUTION EQUIPMENT.



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DESIGN BY: PAS  
 CHECKED BY: MH  
 DATE: 11/5/09