

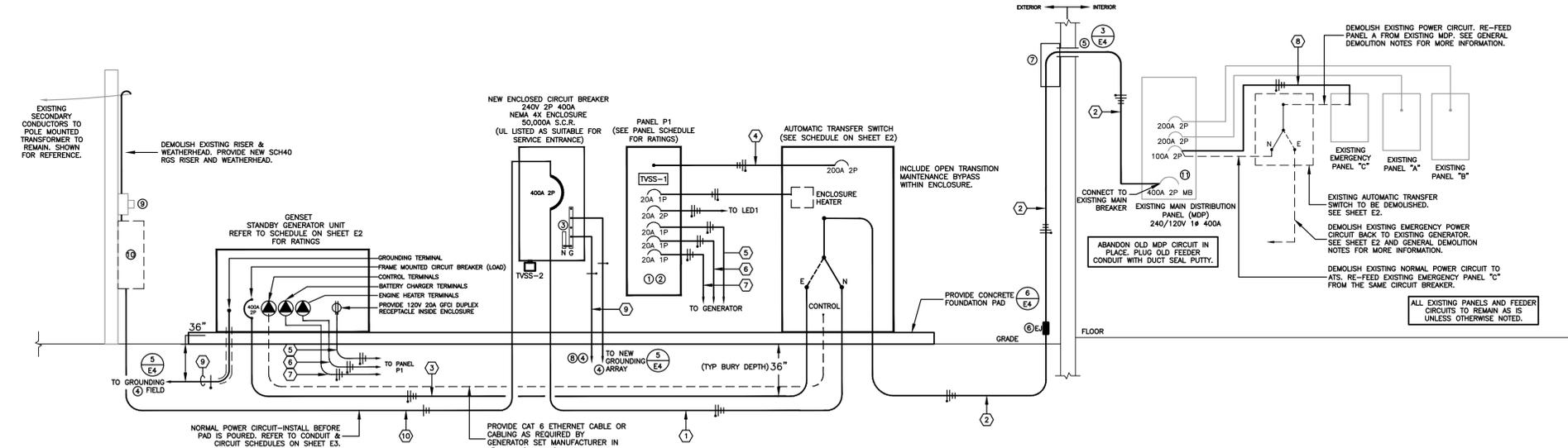
LIGHTING KEYED NOTES

- ① DEMOLISH EXISTING LIGHT FIXTURE. PROVIDE 8"x8"x4" JUNCTION BOX IN EXISTING FIXTURE LOCATION. SALVAGE EXISTING FIXTURES FOR THE IOWA DEPARTMENT OF TRANSPORTATION (IA DOT). DELIVER REMOVED FIXTURES TO AN ON SITE STORAGE BUILDING SPECIFIED BY THE IA DOT. EXISTING CIRCUITS TO REMAIN FOR REUSE. REFER TO ELECTRICAL DEMOLITION NOTES FOR MORE INFORMATION.
- ② DEMOLISH AND REPLACE EXISTING LIGHT SWITCH AND COVER PLATE ONE-FOR-ONE. REUSE EXISTING BOX & WIRING. SWITCH LOCATIONS SHOWN ARE APPROXIMATE. VERIFY EXACT LOCATION OF EXISTING SWITCH ON SITE.
- ③ INSTALL NEW LIGHT FIXTURE IN NEW LOCATION. FIXTURE IS FURNISHED BY THE IA DOT AND IS ON SITE. THE IA DOT HAS PRE-PURCHASED (42) TOTAL FIXTURES. FIXTURES ARE CURRENTLY STORED ON SITE. THE CONTRACTOR SHALL FURNISH (8) ADDITIONAL FIXTURES OF THE SAME MANUFACTURER AND MODEL. MODEL: LITHONIA FGB24 6 32 N1X20 MVOLT 2/3 GEB10IS L841EX.
- ④ EXTEND NEW CIRCUIT FROM JUNCTION BOX IN EXISTING FIXTURE LOCATION AND CONNECT TO NEW FIXTURE. REUSE EXISTING CIRCUITING FROM JUNCTION BOX TO SWITCH. VERIFY THAT THERE IS AN EQUIPMENT GROUNDING CONDUCTOR. INSPECT EXISTING WIRING FOR DEFECTS OR POTENTIAL SAFETY ISSUES. REPORT ANY ISSUES OR UNSAFE CONDITIONS TO THE ENGINEER.
- ⑤ PROVIDE SUPPORTS FROM OVERHEAD STRUCTURE FOR NEW FIXTURES. INCLUDE GALVANIZED STEEL STRUT, THREADED HANGAR RODS, BEAM CLAMPS, FASTENERS, AND MISCELLANEOUS MATERIALS REQUIRED TO SUPPORT THE NEW FIXTURES. AT A MINIMUM, SUPPORT EACH NEW FIXTURE WITH (2) 3/8" DIAMETER THREADED STEEL ROD. PROVIDE A FLAT AND A LOCK WASHER BEHIND ALL NUTS. MATCH EXISTING FIXTURE HEIGHT ABOVE FLOOR. VERIFY THERE IS ENOUGH CLEARANCE OVER THE OVERHEAD DOOR AND TO EXISTING STRUCTURE, MODIFY HEIGHT OF FIXTURES AS REQUIRED TO PROVIDE ADEQUATE CLEARANCES.
- ⑥ INSTALL NEW WET LOCATION LIGHT FIXTURE IN NEW LOCATION IN THE WASH BAY. FIXTURE IS FURNISHED BY THE IA DOT AND IS ON SITE. THE IA DOT HAS PRE-PURCHASED (8) TOTAL FIXTURES. FIXTURES ARE CURRENTLY STORED ON SITE. MODEL: LITHONIA FHE632L 1/4 1/2 GEB10IS LPPMB41EX.
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- ⑨ EXISTING LIGHT FIXTURE TO REMAIN. SHOWN FOR REFERENCE.
- ⑩ REPLACE THE EXISTING LIGHT FIXTURES OVER THE WORK BENCHES IN THE SHOP ONE-FOR-ONE WITH NEW LIGHT FIXTURES. (6) FIXTURES TOTAL. REUSE EXISTING CIRCUITING AND BRACKETS TO HANG NEW FIXTURES. PROVIDE NEW ATTACHMENT FASTENERS, WIRING, AND MISCELLANEOUS HARDWARE & FIXTURE WHIPS AS REQUIRED. INSPECT EXISTING WIRING FOR DEFECTS OR POTENTIAL SAFETY ISSUES. REPORT ANY ISSUES OR UNSAFE CONDITIONS TO THE ENGINEER. VERIFY THAT THERE IS AN EQUIPMENT GROUNDING CONDUCTOR. NEW FIXTURES: DAYBRITE LFR4FLPER3740ULAG OR LITHONIA EQUIVALENT.

TVSS SCHEDULE

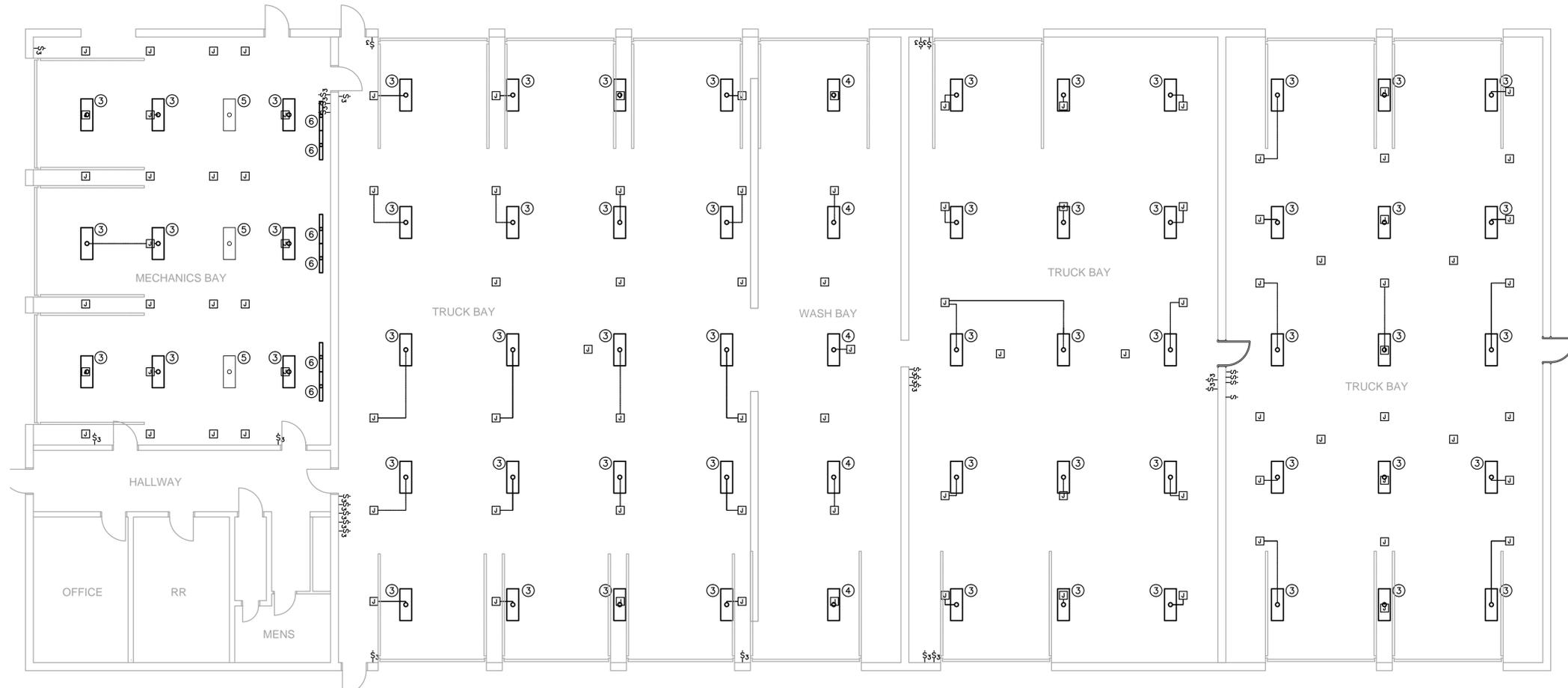
TAG	MANUFACTURER	MODEL	RATINGS		SURGE CURRENT RATING (kA)	MODES PROTECTED	NOTES
			VOLTS	PHASE WIRES			
TVSS-1	SQUARE D	TVS11MA120	240/120	1 3+GRND.	120	L-N/L-L/L-G/N-G	1
TVSS-2	SQUARE D	SDSA1175	240/120	1 3+GRND.	36	L-N/L-L/L-G/N-G	2

- NOTES:
 1. FACTORY INSTALLED INTEGRAL TO PANEL.
 2. NIPPLE MOUNTED TO BOTTOM OF ENCLOSED CIRCUIT BREAKER.



ELECTRICAL SYMBOLS

- ⌘ WALL SWITCH - 1 WAY
- ⌘ WALL SWITCH - 3 WAY
- ⌘ JUNCTION BOX



2 LIGHTING PLAN

SCALE: 1/8" = 1' (APPROX)



LIGHTING KEYED NOTES

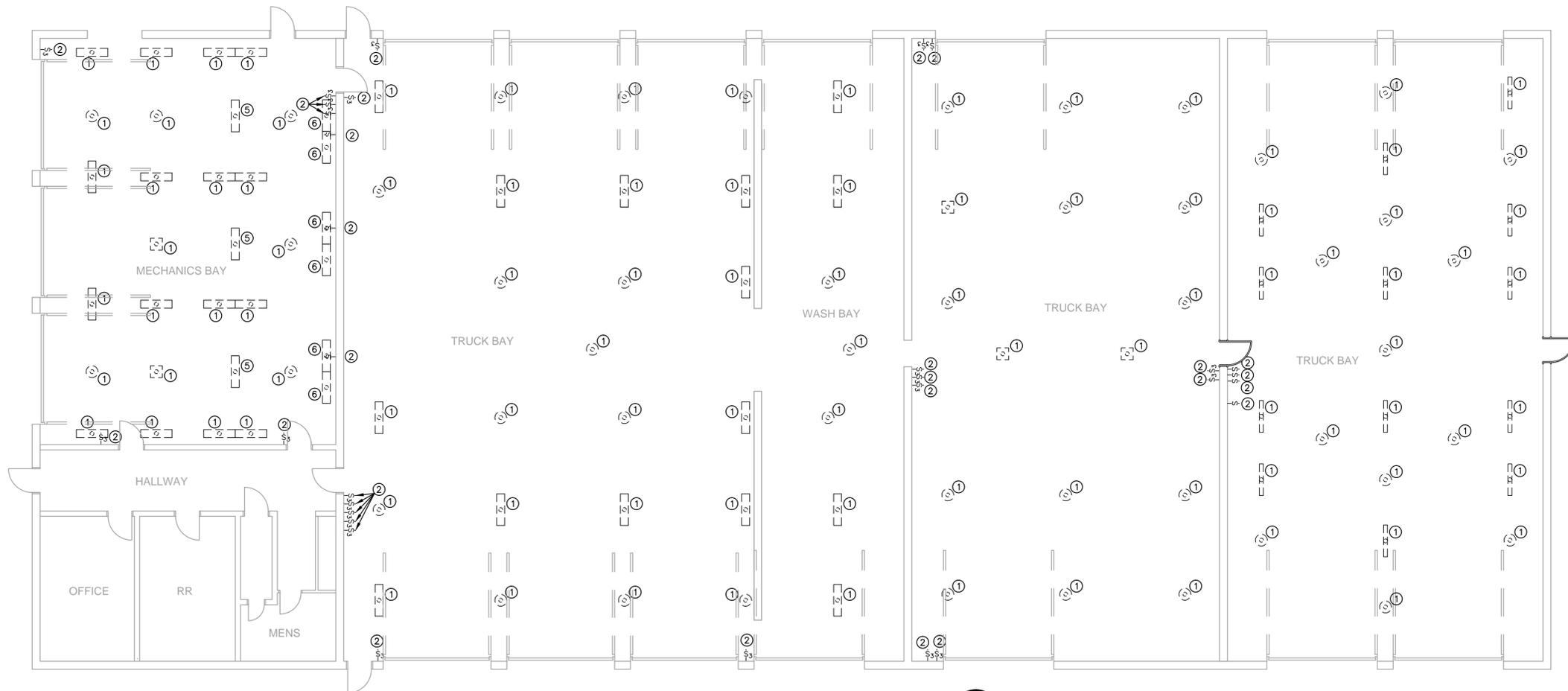
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LIGHTING DEMOLITION PLAN

SCALE: 1/8" = 1' (APPROX)



NORTH

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MAINTENANCE FACILITY
ELECTRICAL UPGRADE

NEWTON, IOWA

SHEET TITLE
LIGHTING
DEMOLITION PLAN

SCALE:
AS NOTED

DRAWN BY:
M.C., R.M.

APPROVED:
R.M.

REVISIONS:

DATE:
AUGUST 24, 2014

PROJECT NO.:
ME 1234

SHEET NO.:
D1