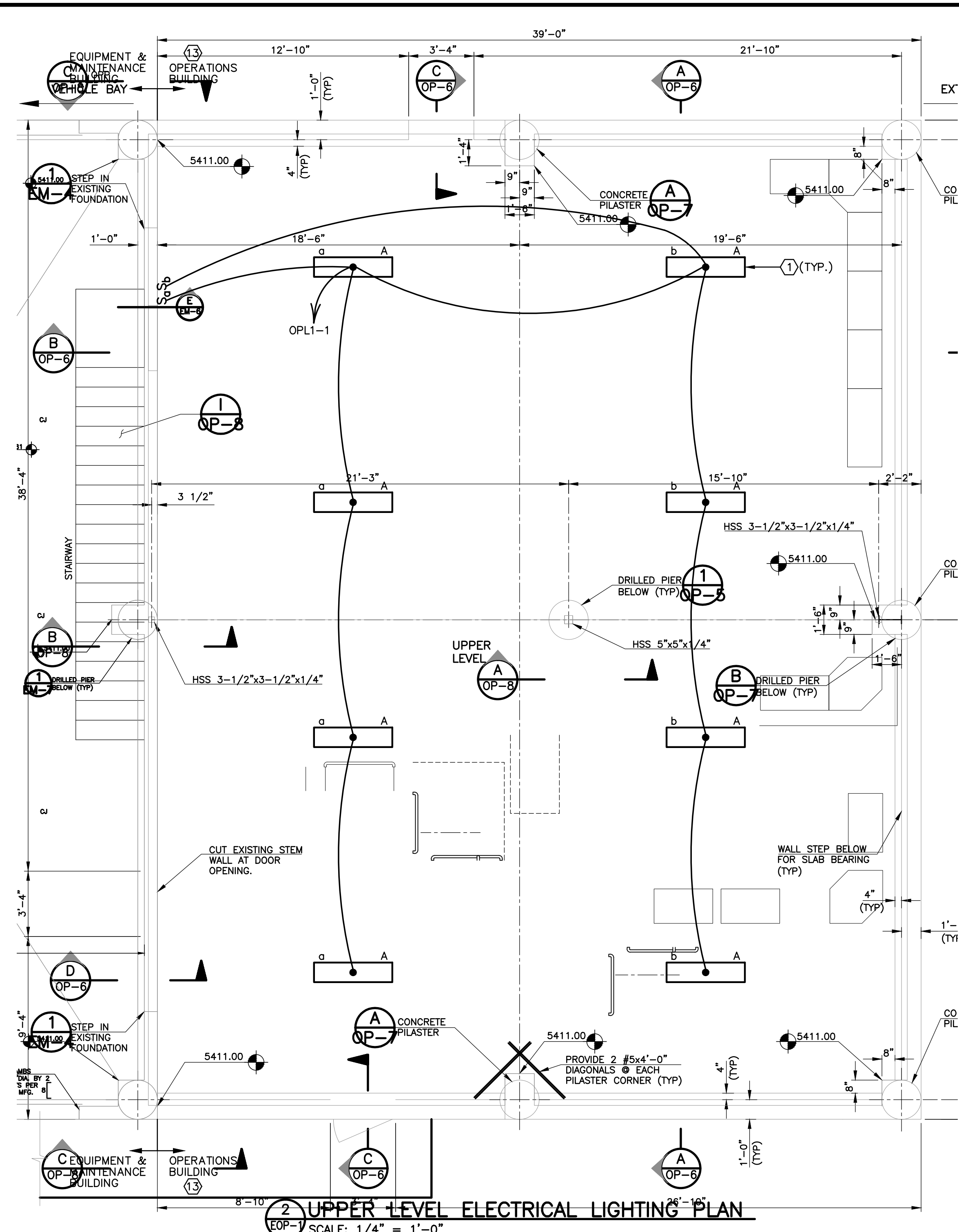
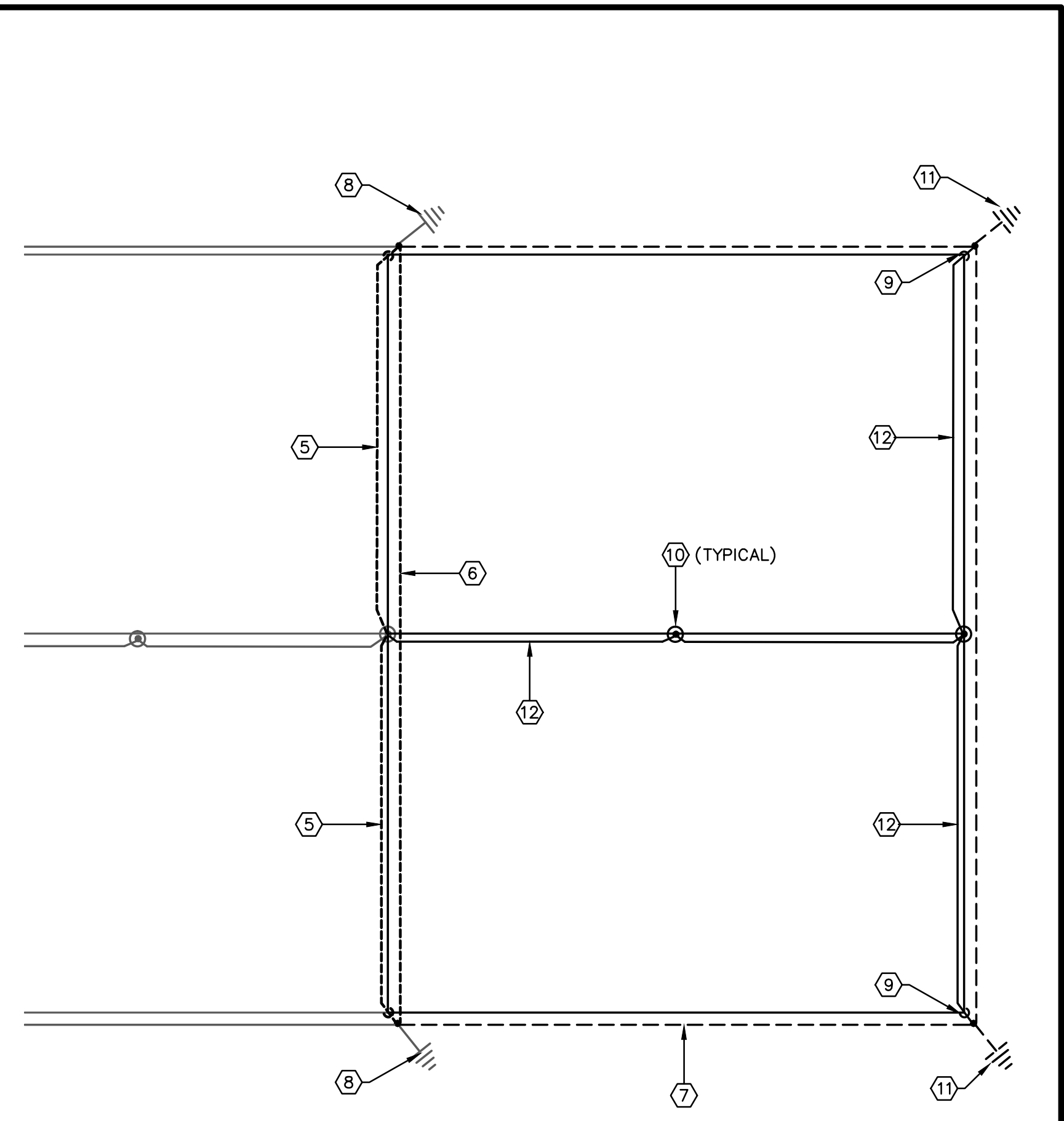


1 LOWER LEVEL ELECTRICAL LIGHTING PLAN
EOP-1 SCALE: 1/4" = 1'-0"



2 UPPER LEVEL ELECTRICAL LIGHTING PLAN
EOP-2 SCALE: 1/4" = 1'-0"



3 LIGHTNING PROTECTION PLAN
EOP-3 SCALE: 1/8" = 1'-0"

GENERAL NOTES

A. WHERE REFERENCED IN KEYNOTES BELOW, REFER TO EQUIPMENT AND MAINTENANCE (EM) BUILDING DRAWINGS PERMITTED AND ISSUED FOR CONSTRUCTION.

KEYED NOTES

- 1 CHAIN-HANG TYPE 'A' FIXTURES APPROXIMATELY 9FT. ABOVE FINISHED FLOOR.
- 2 PHOTOCELL INDICATED ON EM BUILDING DRAWINGS. OMIT INSTALLATION AT THIS LOCATION AND INSTALL AT NORTHEAST CORNER OF OPERATIONS BUILDING AS SHOWN.
- 3 CONNECT PHOTOCELL TO EXTERIOR LIGHTING CONTROL FOR EM BUILDING.
- 4 SEE ARCHITECTURAL BUILDING ELEVATIONS FOR TYPE 'C' FIXTURE LOCATIONS. CONNECT TO EM BUILDING EXTERIOR LIGHTING CIRCUIT EML1-6. NEW CIRCUIT LOAD TOTAL IS 640VA.
- 5 LIGHTNING PROTECTION ROOF CONDUCTORS INDICATED ON EM BUILDING DRAWINGS. OMIT INSTALLATION OF THIS PORTION OF CONDUCTOR, AND INSTALL AT NORTH END OF OPERATIONS BUILDING AS SHOWN.
- 6 GROUND RING INDICATED ON EM BUILDING DRAWINGS. OMIT INSTALLATION OF THIS PORTION OF GROUND RING, AND INSTALL AT NORTH END OF OPERATIONS BUILDING AS SHOWN.

KEYED NOTES

- 7 GROUND RING (CONTINUATION OF EM BUILDING GROUND RING). COPPER #4/0 STRANDED. INSTALL AT A MINIMUM DEPTH OF 30 INCHES BELOW FINISHED GROUND SURFACE PER NEC PARAGRAPH 250.53(F). IT IS THE INTENT THAT THE GROUND RING BE PLACED ALL AT ONE TIME DURING BACKFILLING PROCEDURES AND THE INSPECTION OF THE GROUND RING CAN BE ACCOMPLISHED DURING ONE SITE VISIT. THE GROUND RING SHOULD BE PLACED A MINIMUM OF 3 FEET HORIZONTALLY AWAY FROM THE FOUNDATION WALL. SEE EM BUILDING PLANS FOR CONTINUATION OF GROUND RING.
- 8 GROUND ROD LOCATIONS INDICATED ON EM BUILDING DRAWINGS. OMIT INSTALLATION OF THESE GROUND RODS, AND INSTALL AT NORTH END OF OPERATIONS BUILDING AS SHOWN.
- 9 LOCATIONS FOR DOWN CONDUCTORS. CONCEAL DOWN CONDUCTORS AT BUILDING CORNERS AND RUN TO EXTERIOR JUST ABOVE FOUNDATION.
- 10 APPROXIMATE LOCATION OF LIGHTNING PROTECTION AIR TERMINALS ON ROOF. FINAL LOCATION TO BE AS SPECIFIED ON THE SHOP DRAWINGS.
- 11 LOCATIONS FOR 3/4" X 8'-0" GROUND ROD, COPPER OR COPPER CLAD, AT EACH LIGHTNING PROTECTION DOWN CONDUCTOR LOCATION.

KEYED NOTES

- 12 LIGHTNING PROTECTION ROOF CONDUCTORS. COORDINATE MOUNTING METHODS AND MATERIALS WITH ROOF INSTALLER.
- 13 TWO HOUR RATED WALL ASSEMBLY BETWEEN EM BUILDING AND OPERATIONS BUILDING. PROVIDE FIRE STOPPING AS REQUIRED TO MAINTAIN FIRE RATING.

REVISIONS		
NO.	DATE	DESCRIPTION
1	08/29/2012	ISSUED FOR BUILDING SUBMITTAL TO PPRBD (OPERATIONS BUILDING)
2	08/15/2012	ISSUED FOR CONSTRUCTION PER PPRBD BUILDING PERMIT #135220 (OPERATIONS BLDG)

THIS DRAWING IS THE PROPERTY OF GMS, INC., AND IS NOT TO BE REPRODUCED, MODIFIED OR USED FOR ANY OTHER PROJECT OR EXTENSION OF THIS PROJECT EXCEPT BY AGREEMENT WITH THIS COMPANY.

ELECTRICAL LIGHTING AND LIGHTNING PROTECTION PLAN
HAROLD D. THOMPSON REGIONAL WATER RECLAMATION FACILITY
LOWER FOUNTAIN METROPOLITAN SEWAGE DISPOSAL DISTRICT

DRAWN	SKC	GMS, INC. CONSULTING ENGINEERS 611 N. WEBER, SUITE 300 COLORADO SPRINGS, COLORADO 80903	SHEET EOP-1 OF —
DESIGNED	DRF		
CHECKED	RJS		
DATE	MAY 2012		
PROJECT NO.	20166.410		
GMS FILE NO.	2599		

C:\Users\GMS\OneDrive\Projects\EM Building\Drawings\EM Building\EOP-1.dwg, EOP-1.dwg, 08/15/2012 2:46:47 PM, ac, DWG, TDP, PLOT, 11

FILENAME: C:\Users\GMS\OneDrive\Projects\EM Building\Drawings\EM Building\EOP-1.dwg
BASE DWG: G:\PLOT STYLE FILE: TSDWG.CPL