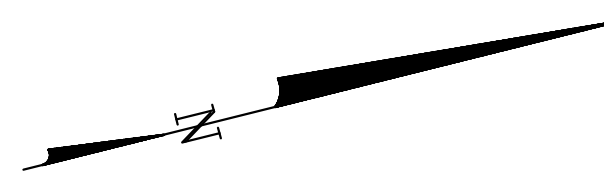
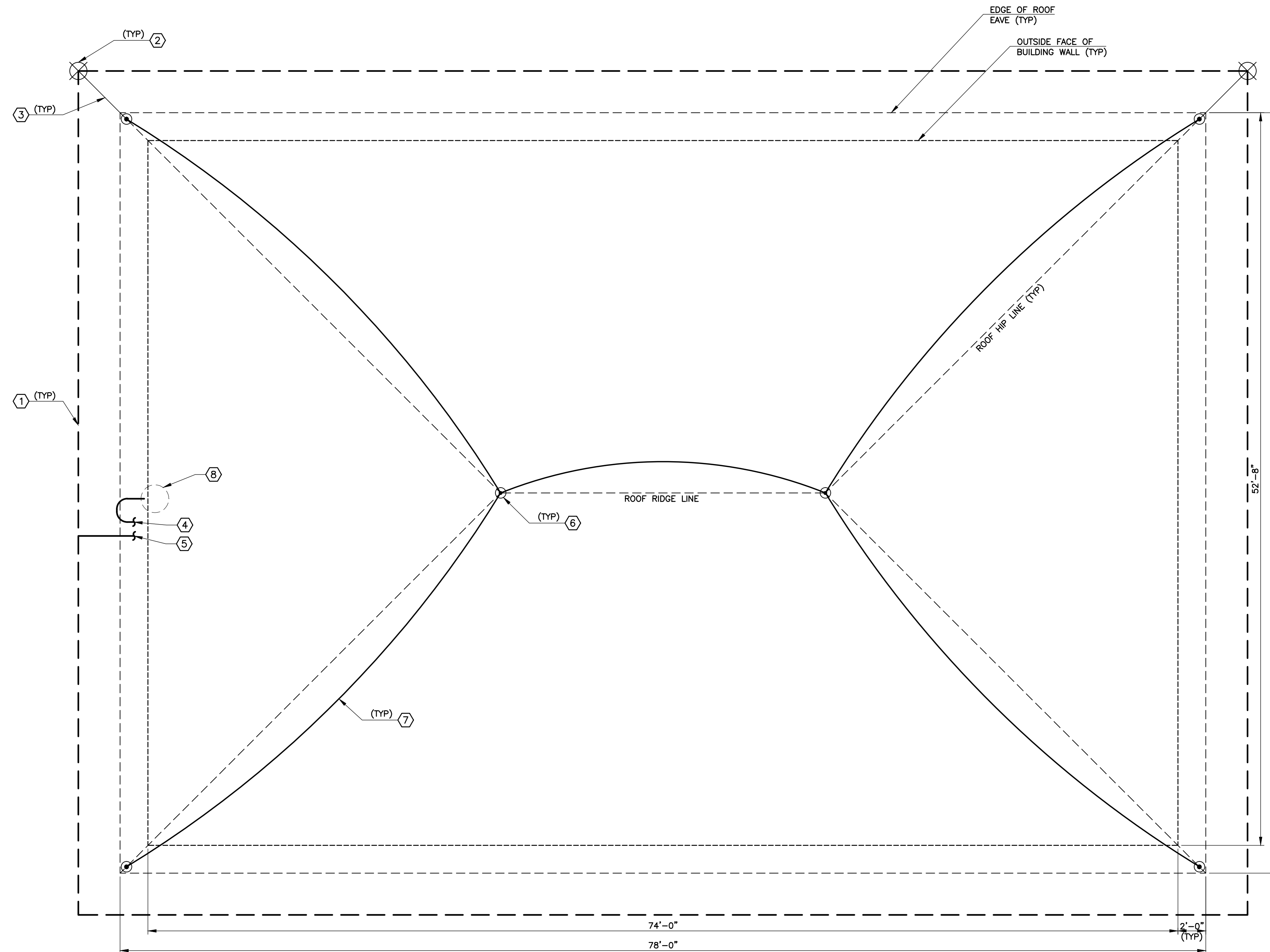


GENERAL NOTES

② A. LIGHTNING PROTECTION SYSTEM SHOWN FOR GENERAL INFORMATION ONLY. STRUCTURE TO BE PROVIDED WITH LIGHTNING PROTECTION SYSTEM DESIGNED AND INSTALLED IN ACCORDANCE WITH SPECIFICATION SECTION 13100, NFPA 780 AND UL STANDARD 96A.

KEYED NOTES

- ③ ① GROUND RING: COPPER, #4/0 STRANDED. INSTALL AT BOTTOM OF GRADE BEAM FOUNDATION WALLS.
- ② ② LOCATIONS FOR 3/4" X 8'-0" GROUND ROD, COPPER OR COPPER CLAD, AT EACH LIGHTNING PROTECTION DOWN CONDUCTOR LOCATION. FINAL DOWN CONDUCTOR LOCATIONS TO BE DETERMINED IN ACCEPTED SHOP SUBMITTAL FOR LIGHTNING PROTECTION SYSTEM.
- ③ ③ LOCATIONS FOR DOWN CONDUCTORS. EXPOSED DOWN CONDUCTORS SHALL HAVE RIGID (GRC OR ACCEPTABLE EQUIVALENT) PROTECTIVE COVERS UP TO 6'-0" ABOVE GRADE.
- ④ ④ LOCATION FOR "UFER" BOND FOR STRUCTURE GROUNDING. RUN INTO DRILLED PIER, TIE TO STEEL REBAR AND PROVIDE MIN. 20'-0" LENGTH CONDUCTOR WITHIN DRILLED PIER CONCRETE. ROUTE STUB UP THROUGH SLAB INTO ELECTRICAL AND CONTROL ROOM.
- ⑤ ⑤ APPROXIMATE LOCATION FOR BUILDING GROUNDING ELECTRODE CONDUCTOR CONNECTION TO GROUND RING ROUTED UNDER GRADE BEAM.
- ⑥ ⑥ APPROXIMATE LOCATION OF LIGHTNING PROTECTION AIR TERMINALS ON ROOF. FINAL LOCATION TO BE AS SPECIFIED ON THE SHOP DRAWINGS.
- ⑦ ⑦ ROUTE LIGHTNING PROTECTION ROOF CONDUCTORS BETWEEN AIR TERMINALS AND TO DOWN CONDUCTOR LOCATIONS.
- ⑧ ⑧ DRILLED PIER PER STRUCTURAL DRAWINGS. SEE SHEET HW-3 FOR EXACT LOCATION.



1 ELECTRICAL GROUNDING PLAN
 EHW-3 SCALE: SCALE: 1" = 5'

REVISIONS		
NO.	DATE	DESCRIPTION
1	01/28/2011	ISSUED FOR FOUNDATION PERMIT SUBMITTAL TO PFRBD (HEADWORKS)
2	05/17/2011	ISSUED FOR PREPARATION OF CMD
3	06/20/2011	ISSUED FOR BUILDING PERMIT SUBMITTAL TO PFRBD (HEADWORKS BUILDING)
4	08/05/2011	ISSUED FOR CONSTRUCTION PER PFRBD BUILDING PERMIT #88510 (HEADWORKS BLDG)

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ELECTRICAL GROUNDING PLAN HEADWORKS BUILDING HAROLD D. THOMPSON REGIONAL WATER RECLAMATION FACILITY LOWER FOUNTAIN METROPOLITAN SEWAGE DISPOSAL DISTRICT		GMS, INC. CONSULTING ENGINEERS 611 N. WEBER, SUITE 300 COLORADO SPRINGS, COLORADO 80903	SHEET EHW-3 OF —
DRAWN _____ GLY DESIGNED _____ AFS CHECKED _____ MR DATE _____ 2010 PROJECT NO. _____ 20166.330 GMS FILE NO. _____ 2599			

XREF FILENAME: G:\
 BASE DWG: G\
 PLOT STYLE FILE: 10502.ctb
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