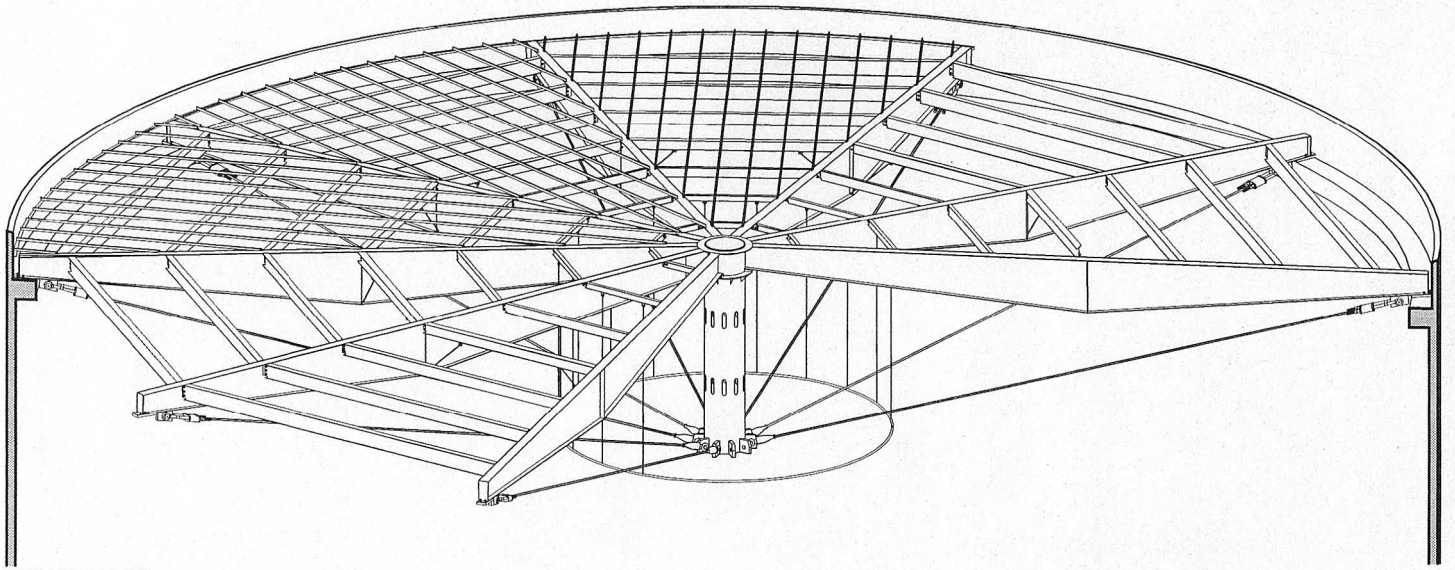
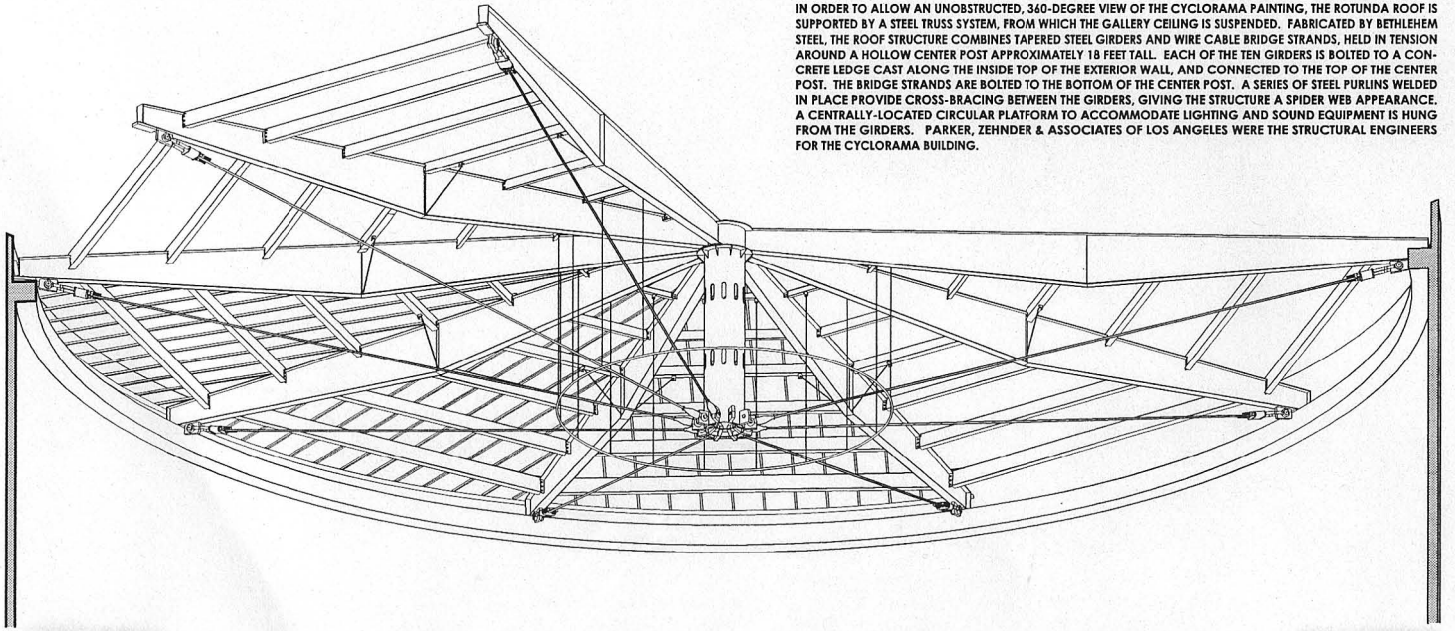


VIEW FROM ABOVE



VIEW FROM BELOW

IN ORDER TO ALLOW AN UNOBSTRUCTED, 360-DEGREE VIEW OF THE CYCLORAMA PAINTING, THE ROTUNDA ROOF IS SUPPORTED BY A STEEL TRUSS SYSTEM, FROM WHICH THE GALLERY CEILING IS SUSPENDED. FABRICATED BY BETHLEHEM STEEL, THE ROOF STRUCTURE COMBINES TAPERED STEEL GIRDERS AND WIRE CABLE BRIDGE STRANDS, HELD IN TENSION AROUND A HOLLOW CENTER POST APPROXIMATELY 18 FEET TALL. EACH OF THE TEN GIRDERS IS BOLTED TO A CONCRETE LEDGE CAST ALONG THE INSIDE TOP OF THE EXTERIOR WALL, AND CONNECTED TO THE TOP OF THE CENTER POST. THE BRIDGE STRANDS ARE BOLTED TO THE BOTTOM OF THE CENTER POST. A SERIES OF STEEL PURLINS WELDED IN PLACE PROVIDE CROSS-BRACING BETWEEN THE GIRDERS, GIVING THE STRUCTURE A SPIDER WEB APPEARANCE. A CENTRALLY-LOCATED CIRCULAR PLATFORM TO ACCOMMODATE LIGHTING AND SOUND EQUIPMENT IS HUNG FROM THE GIRDERS. PARKER, ZEHNDER & ASSOCIATES OF LOS ANGELES WERE THE STRUCTURAL ENGINEERS FOR THE CYCLORAMA BUILDING.

ROTUNDA ROOF STRUCTURE AXONOMETRIC

1/4"=1'-0" 1:48

0 1 2 3 4 5 10 15
FEET
1/4"=1'-0"

0 1 2 3 4 5
METERS
1:48

DRAWN BY: BRIAN CARNAHAN \ NOELLE McMANUS
CYCLORAMA BUILDING DOCUMENTATION PROJECT, 2004
NATIONAL PARK SERVICE
UNITED STATES DEPARTMENT OF THE INTERIOR

CYCLORAMA BUILDING
GETTYSBURG NATIONAL MILITARY PARK 125 TANEYTOWN ROAD GETTYSBURG VICINITY ADAMS COUNTY PENNSYLVANIA

SHEET 18 OF 24 SHEETS

HISTORIC AMERICAN BUILDINGS SURVEY PA-4709