

ONE INCH = FORTY FEET (1" = 40')

0' 15' 30'

0' 15' 30'

THREE INCHES = ONE FOOT

0' 15' 30'

ONE AND ONE HALF INCHES = ONE FOOT

0' 15' 30'

THREE QUARTERS INCH = ONE FOOT

0' 15' 30'

ONE HALF INCH = ONE FOOT

0' 15' 30'

ONE QUARTER INCH = ONE FOOT

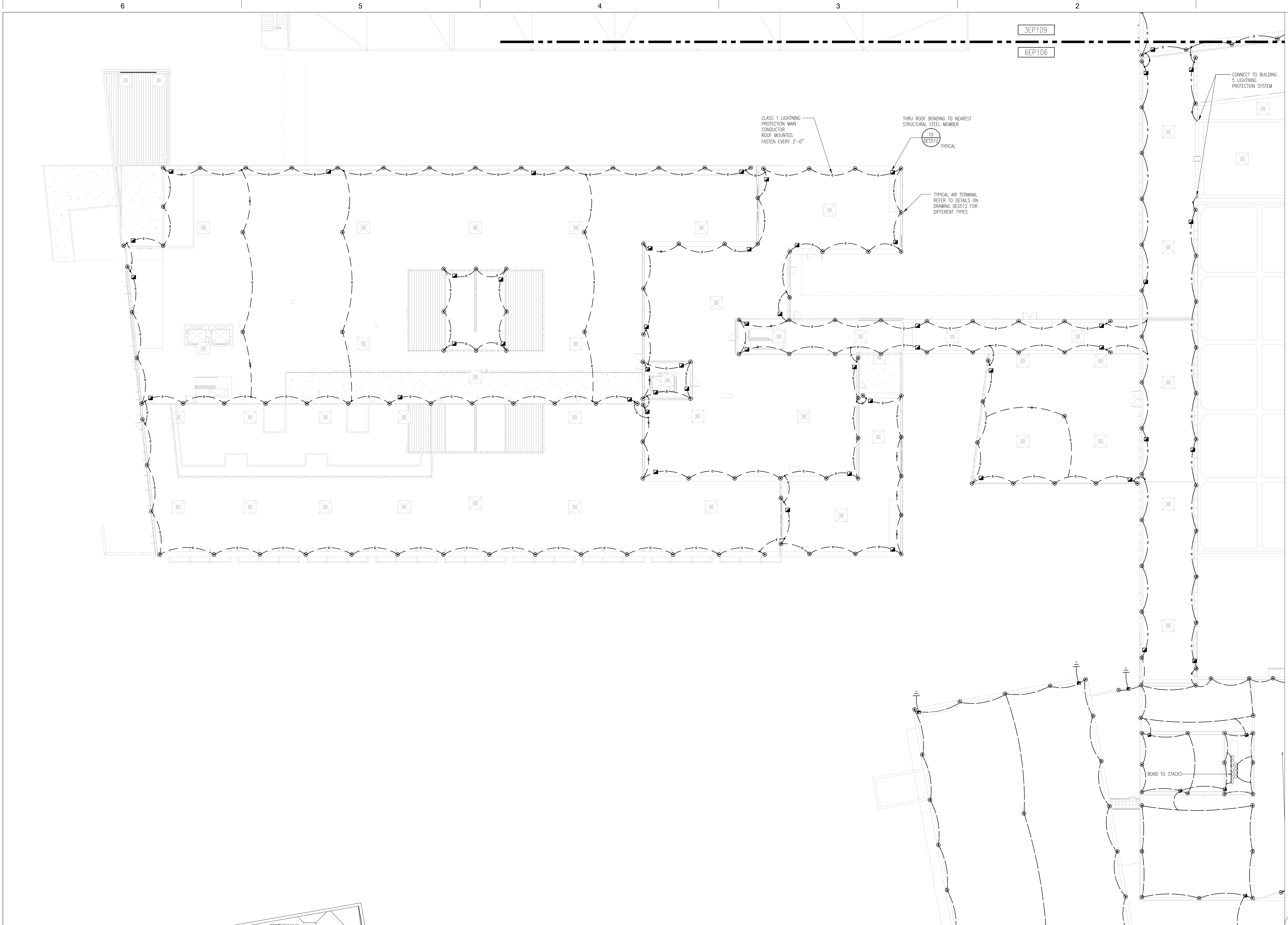
0' 15' 30'

ONE EIGHT INCH = ONE FOOT

0' 15' 30'

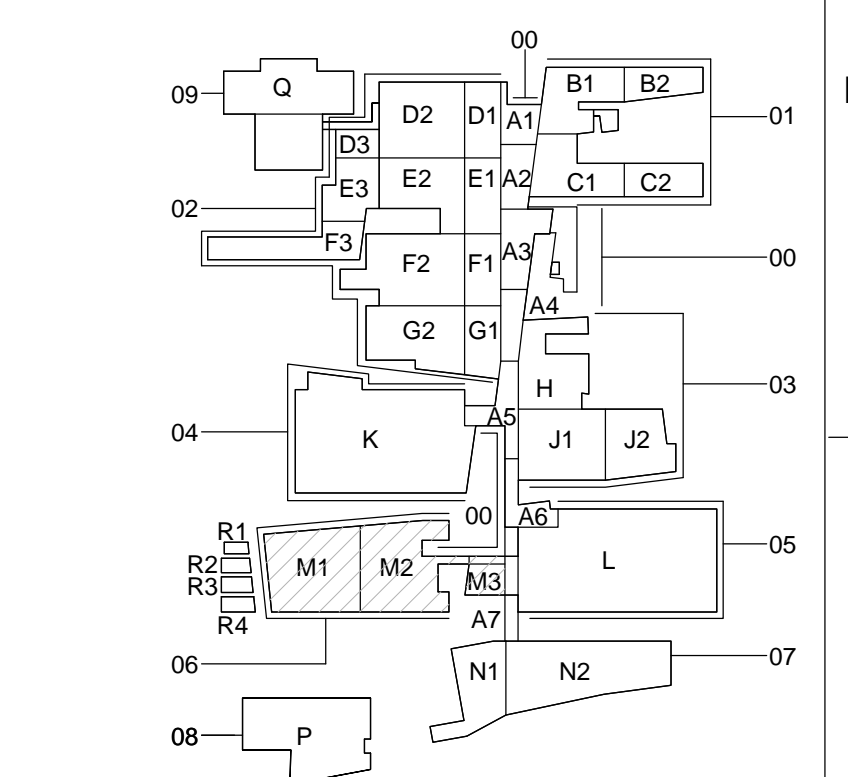
ONE SIXTEENTH INCH = ONE FOOT

0' 15' 30'



- LIGHTNING PROTECTION SYSTEM GENERAL NOTES:**
- SEE SPECIFICATIONS 24 41 00 FOR LIGHTNING PROTECTION SYSTEM CRITERIA.
 - PROVIDE CABLE FASTENERS AT 3'-0" ON CENTER MAXIMUM. THIS INCLUDES ALL DOWNLOADS, ROOF MOUNTED CABLES, ETC.
 - GROUND CONDUCTORS SHALL MAINTAIN A HORIZONTAL OR DOWNWARD COURSE, FREE FROM "U" OR "V" POCKETS.
 - NO BEND OF A CONDUCTOR SHALL FORM AN ANGLE LESS THAN 90° NOR SHALL IT HAVE A RADIUS BEND LESS THAN 8 INCHES.
 - BARE COPPER CONDUCTORS SHALL NOT BE INSTALLED ON ALUMINUM SUBSTRATES.
 - ALL CONNECTIONS TO GROUND RODS SHALL BE MADE AT A POINT NOT LESS THAN 1'-0" BELOW GRADE AND 2'-0" AWAY FROM THE FOUNDATION WALL. REFER TO GROUNDING PLAN EP100A.
 - THE LIGHTNING PROTECTION CONTRACTOR SHALL EXAMINE THE ARCHITECTURAL PLANS AND ELEVATIONS TO DETERMINE THE SCOPE OF THE LIGHTNING PROTECTION SYSTEM.
 - ALL PRIMARY METAL BODIES SUCH AS COOLING TOWERS, EXHAUST FANS, ROOF VENTS, HVAC UNITS, LADDERS, RAILINGS, ROOF HATCHES, SKYLIGHT FRAMES, AND MACHINERY SHALL BE BONDED TO THE LIGHTNING PROTECTION SYSTEM BY A MAIN CONDUCTOR.
 - ALL SECONDARY METAL BODIES SUCH AS ROOF DRAINS, GUTTERS, PLUMBING VENTS, METAL COPINGS, METAL FLASHINGS, AND DOOR FRAMES WHICH ARE WITHIN 6'-0" (STRAIGHT LINE DISTANCE) OF AN EXPOSED SYSTEM ELEMENT SHALL BE BONDED TO THE LIGHTNING PROTECTION SYSTEM BY A SECONDARY CONDUCTOR.
 - PROVIDE SPRING MOUNTED AIR TERMINALS AS REQUIRED FOR COORDINATION WITH WINDOW WASHING EQUIPMENT.
 - FIELD COORDINATE USE OF COPPER AND/OR ALUMINUM ROOF LIGHTNING PROTECTION COMPONENTS WITH ROOF MATERIAL, FLASHING(S), EQUIPMENT, ETC.
 - LIGHTNING PROTECTION DETAILS AND PLAN HAVE BEEN PROVIDED TO CLARIFY GENERAL DESIGN INTENT. LIGHTNING PROTECTION CONTRACTOR SHALL PROVIDE DETAILS CONSISTENT WITH PURCHASED LIGHTNING PROTECTION EQUIPMENT AND MANUFACTURER'S RECOMMENDED INSTALLATION REQUIREMENTS. REFER TO DRAWING QESS12.
 - UNDERGROUND METALLIC PIPING ENTERING THE BUILDING SHALL BE BONDED TO THE NEAREST DOWN CONDUCTOR OR GROUND ELECTRODE.
 - AIR TERMINALS ARE TO BE LOCATED AS SHOWN. THEY ARE TO BE A MAXIMUM OF 24" FROM THE ROOF EDGE AND PROJECT A MINIMUM OF 10' ABOVE THE PROTECTED EDGE. THE SPACING BETWEEN AIR TERMINALS ARE NOT TO EXCEED 20 FEET. AIR TERMINALS THAT EXTEND 24" ABOVE THE PROTECTED EDGE ARE NOT TO EXCEED A SPACING GREATER THAN 25', EXCEPT FOR MID-ROOF AIR TERMINALS (50' MAX SPACING).
 - REFER TO DETAIL 13 ON DRAWING QESS12 FOR TYPICAL LIGHTNING PROTECTION LAYOUT DIAGRAM.

SCALE 1/16" = 1'-0"



REVISIONS:	DATE	CONSULTANTS: DESMAN ASSOCIATES / PARKING CODE CONSULTANTS, INC. / CODE CONSULTANT THE SEXTANT GROUP / AV & ACOUSTICAL HAMMER DESIGN ASSOCIATES / FOOD SERVICE PYBURN & ODOM / ABATEMENT TATA & HOWARD / TANK CONSULTANT I.S.C. GROUP, INC. / IRRIGATION DAN EUSER WATER ARCHITECTURE, INC. / WATER FEATURE		ARCHITECT/ENGINEERS: studio NOVA SCHRENK & PETERSON CONSULTING ENGINEERS / CIVIL KORDA/NEMETH ENGINEERING / STRUCTURAL BR+A CONSULTING ENGINEERS / MECH, ELECT, PLUMBING, LOW VOLTAGE ARCHITECTURAL ENGINEERING / PLUMBING SCALES ASSOCIATES / FIRE PROTECTION	DRAWING TITLE BUILDING 6 ELECTRICAL LIGHTNING PROTECTION PLAN ROOF PLAN APPROVED: PROJECT DIRECTOR 	PROJECT TITLE SLVHCS REPLACEMENT MEDICAL CENTER PROJECT LOCATION NEW ORLEANS, LOUISIANA DATE February 29, 2012	CHECKED SMAC DRAWN LMD	PROJECT NUMBER 629-HS2-401 DOCUMENT SET PACKAGE WP_08 DRAWING NUMBER 6EP106	OFFICE OF CONSTRUCTION AND FACILITIES MANAGEMENT
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