

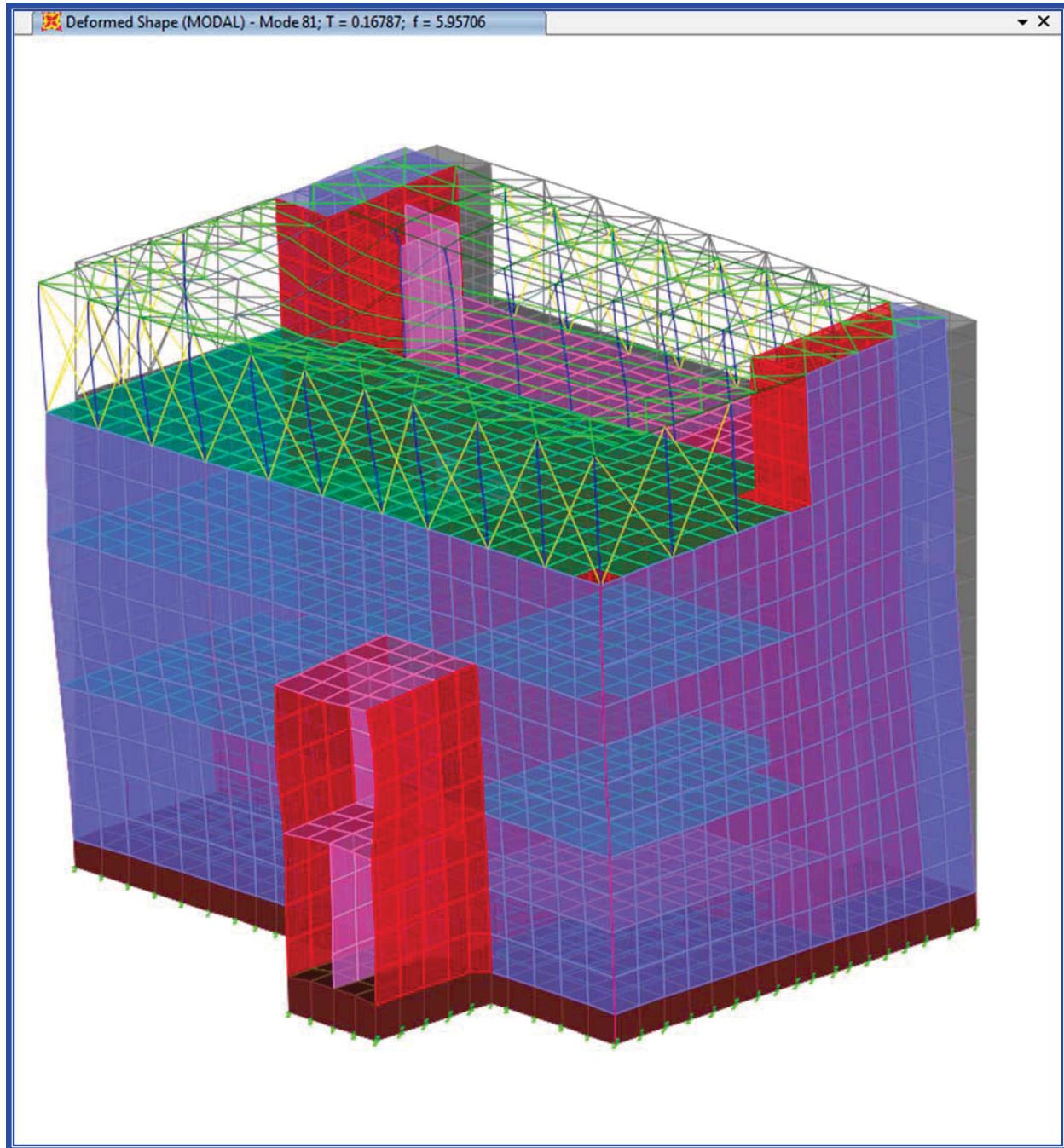
Figure 3.7.2-88: Control Building Uncracked Model - Modal Shape - (Mode 81)

Figure 3.7.2-89: Flow of Files among SASSI2010 Modules

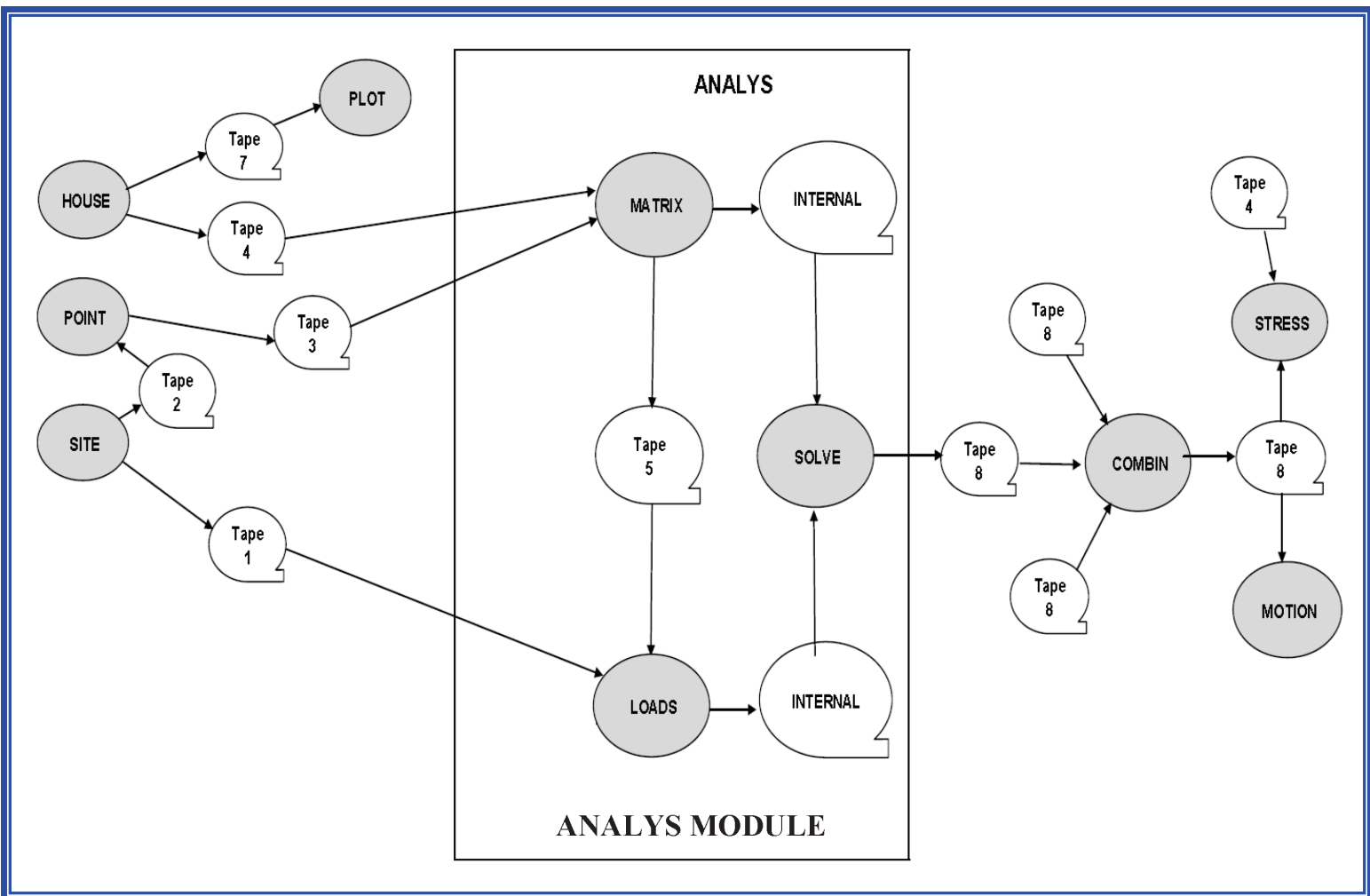


Figure 3.7.2-90: Four I, J, K, and L Nodes and 1 through 5 Output Locations of Thick Shell Element

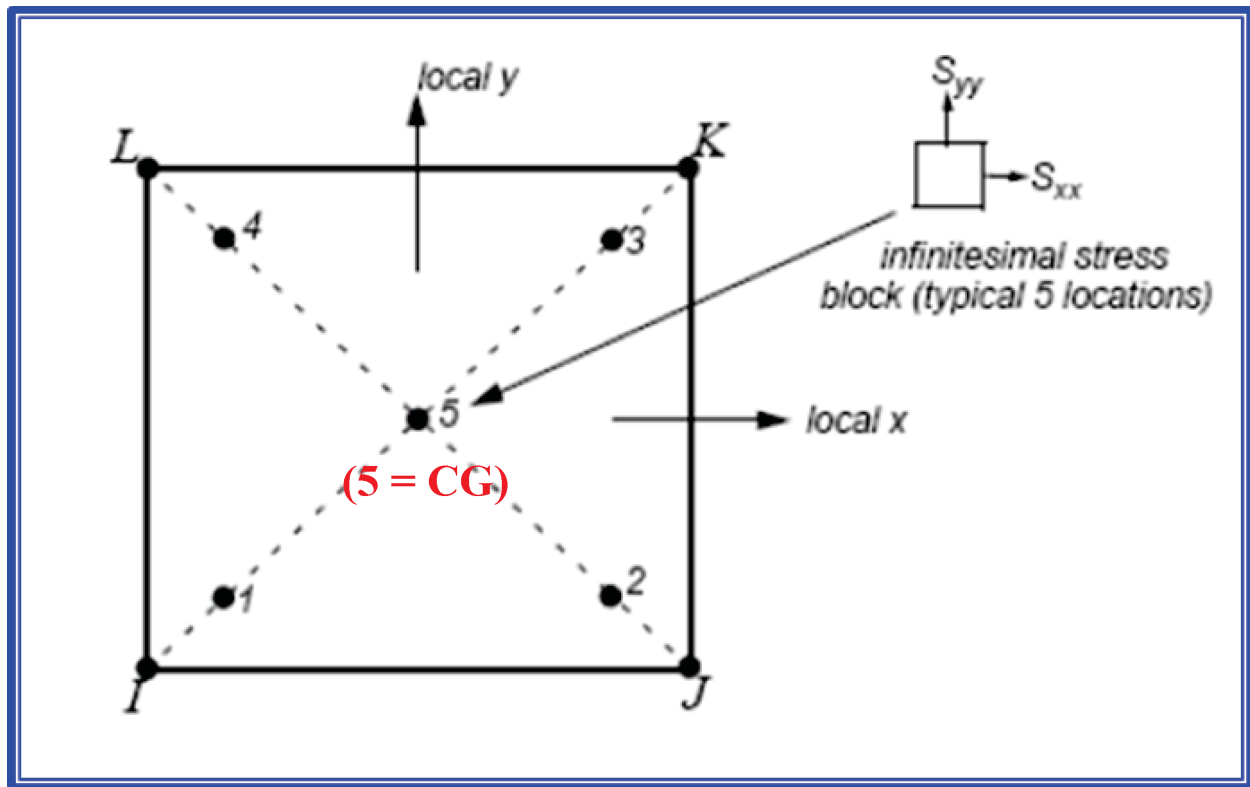


Figure 3.7.2-91: SASSI2010 Shear and Moment Resultants

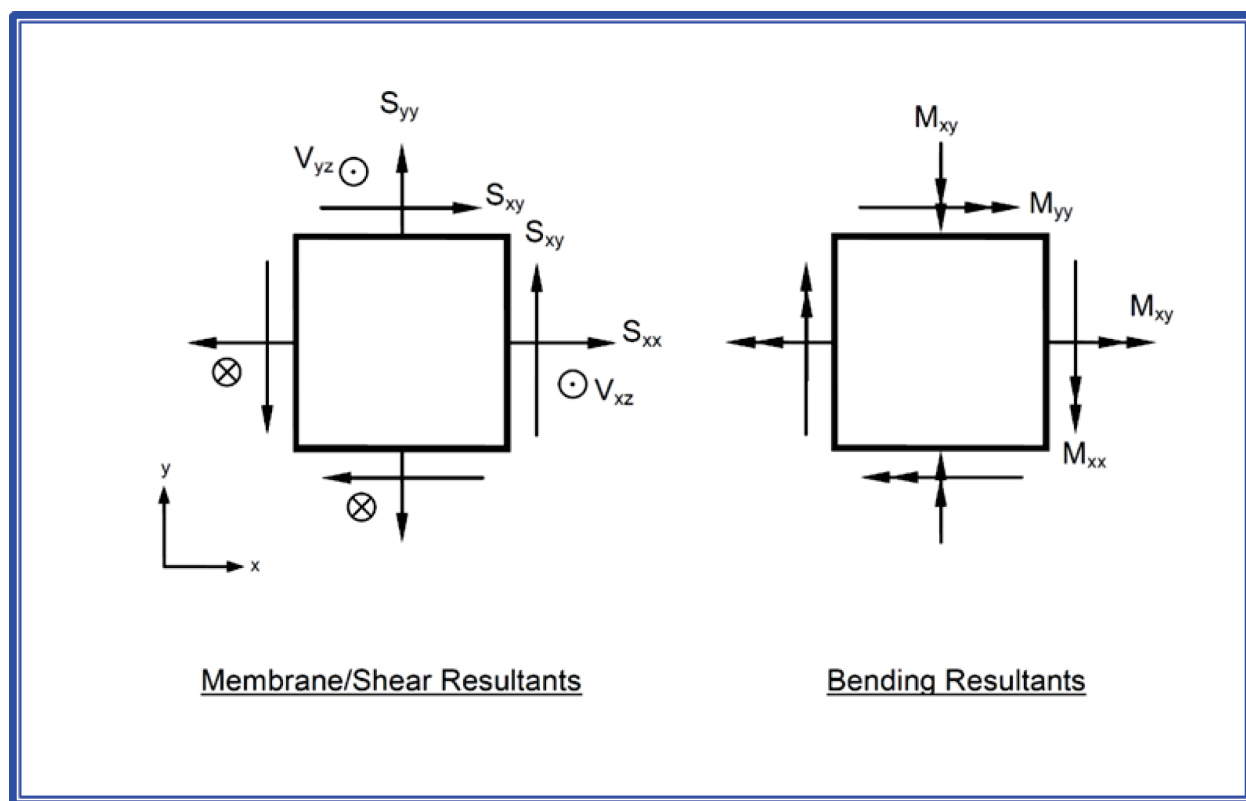


Figure 3.7.2-92: SASSI2010 Beam Element Local Axes for Forces and Moments

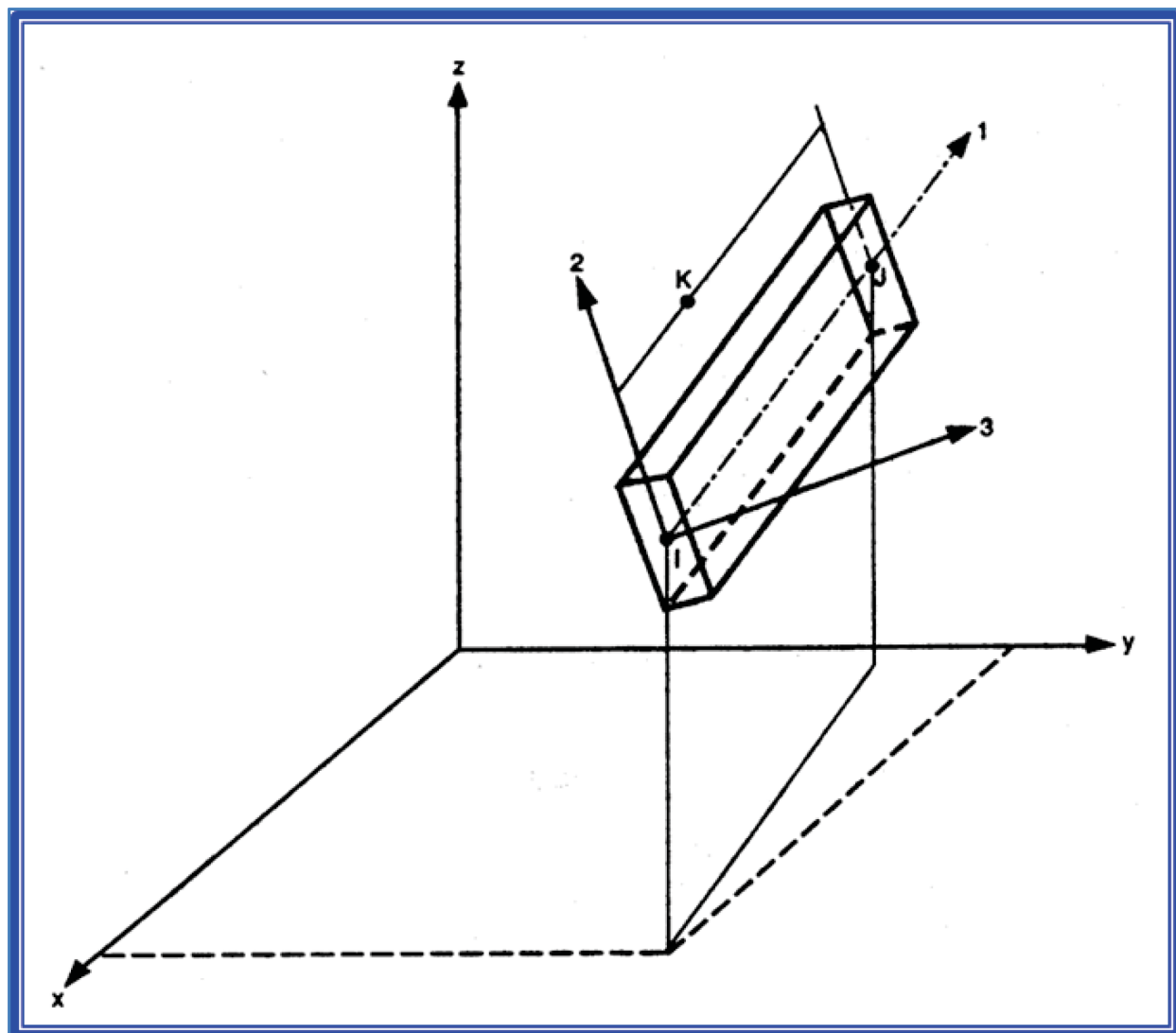


Figure 3.7.2-93: SASSI2010 Global Stresses at Centroid of a Solid Element

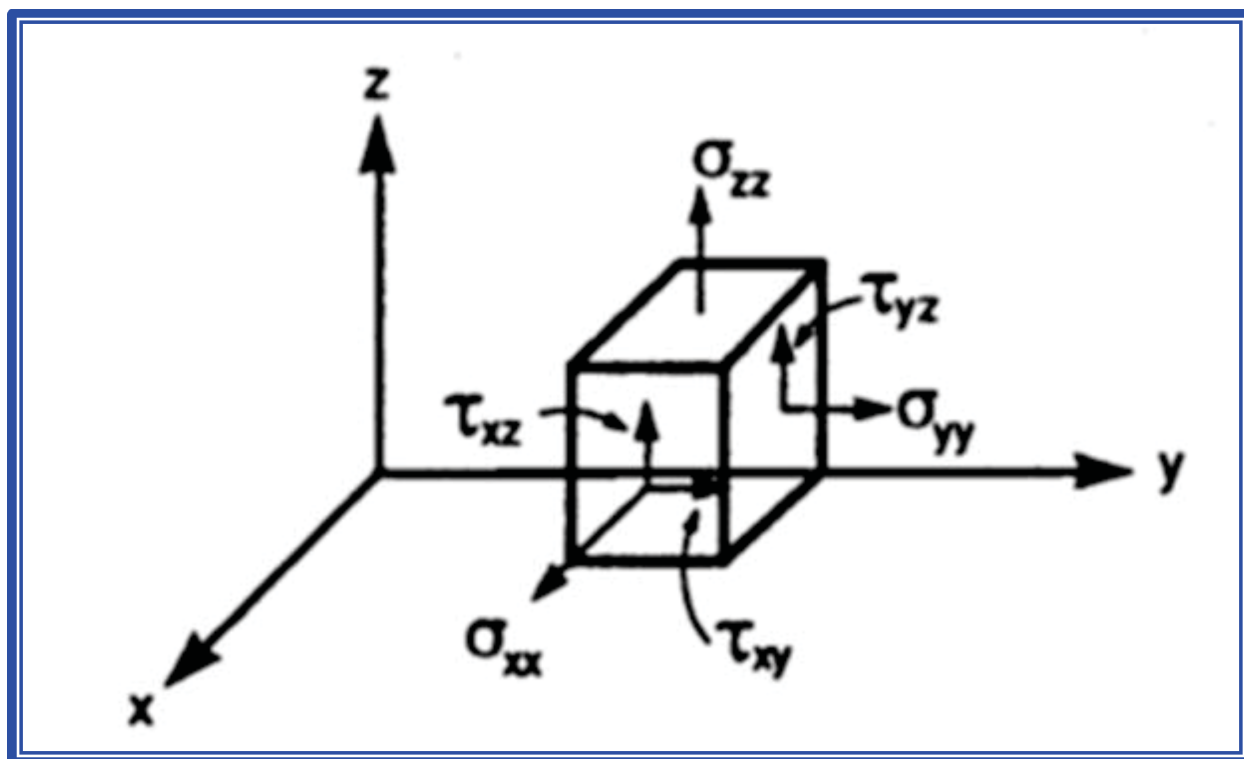


Figure 3.7.2-94: Reactor Building Locations Selected for Relative Displacement

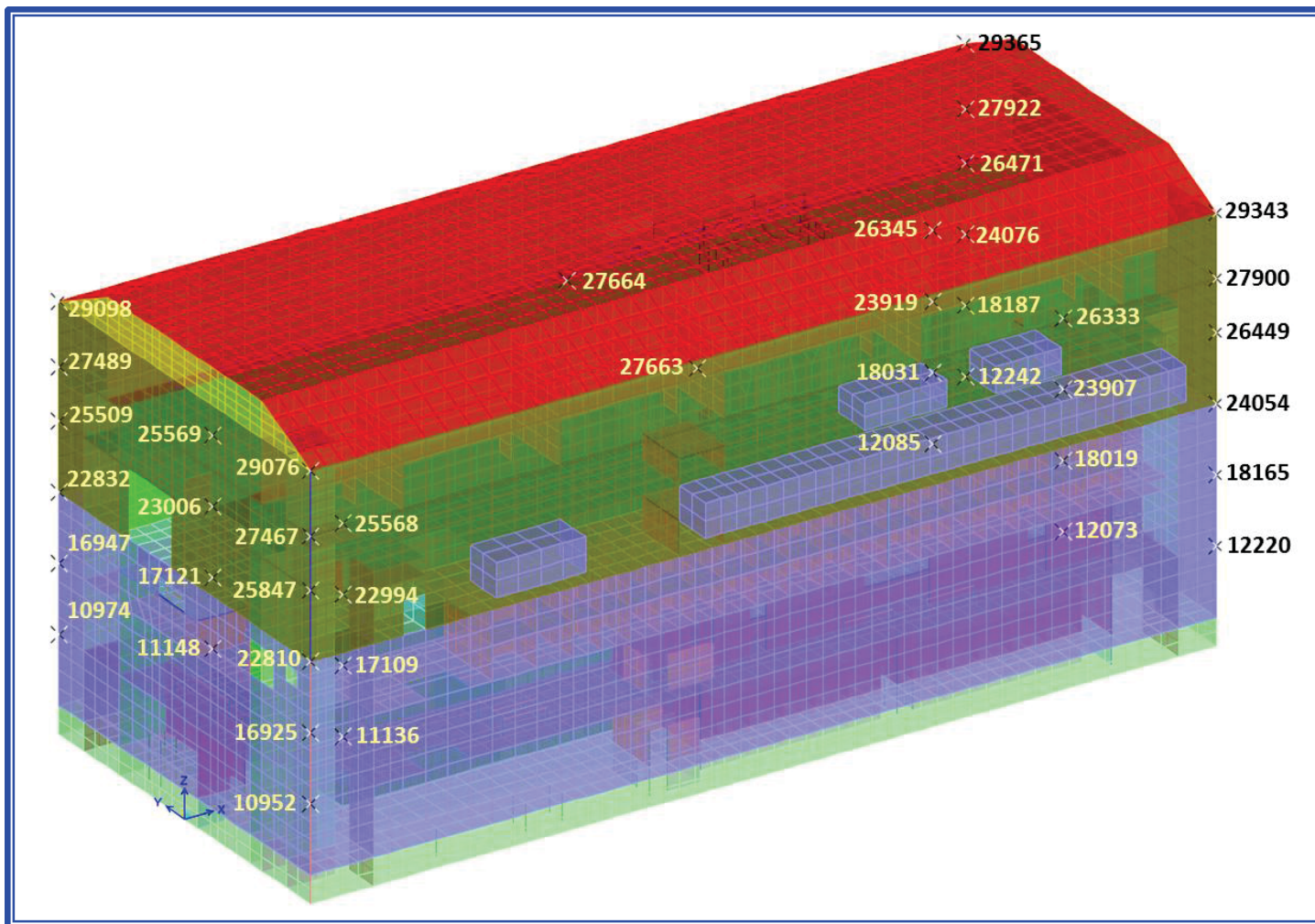


Figure 3.7.2-95: Control Building Locations Selected for Relative Displacement

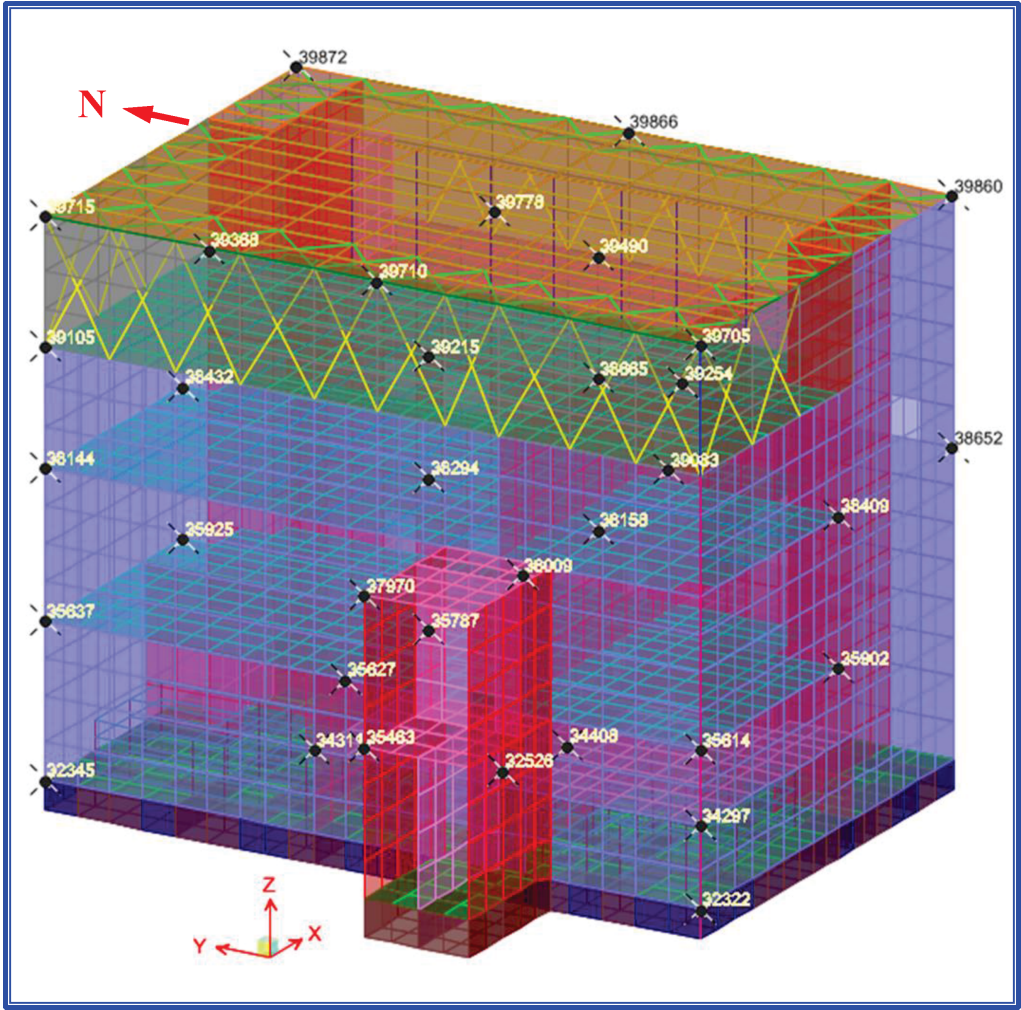


Figure 3.7.2-96: Nodes Used for ISRS for NPM Bay Walls at the Pool Floor (EL. 25' 0")

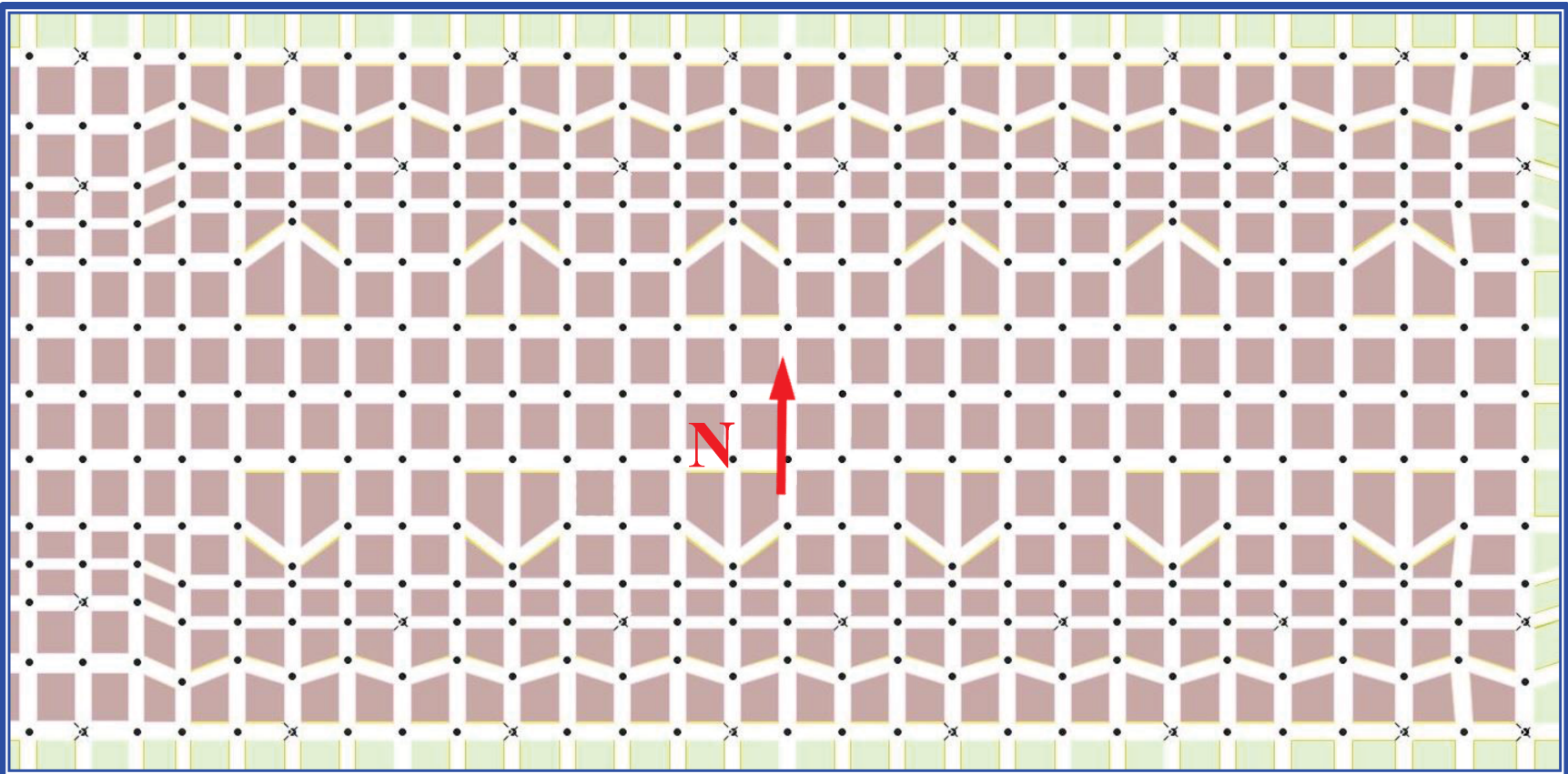


Figure 3.7.2-97: NPM Lug Restraint Node Locations (EL. 71' 7")

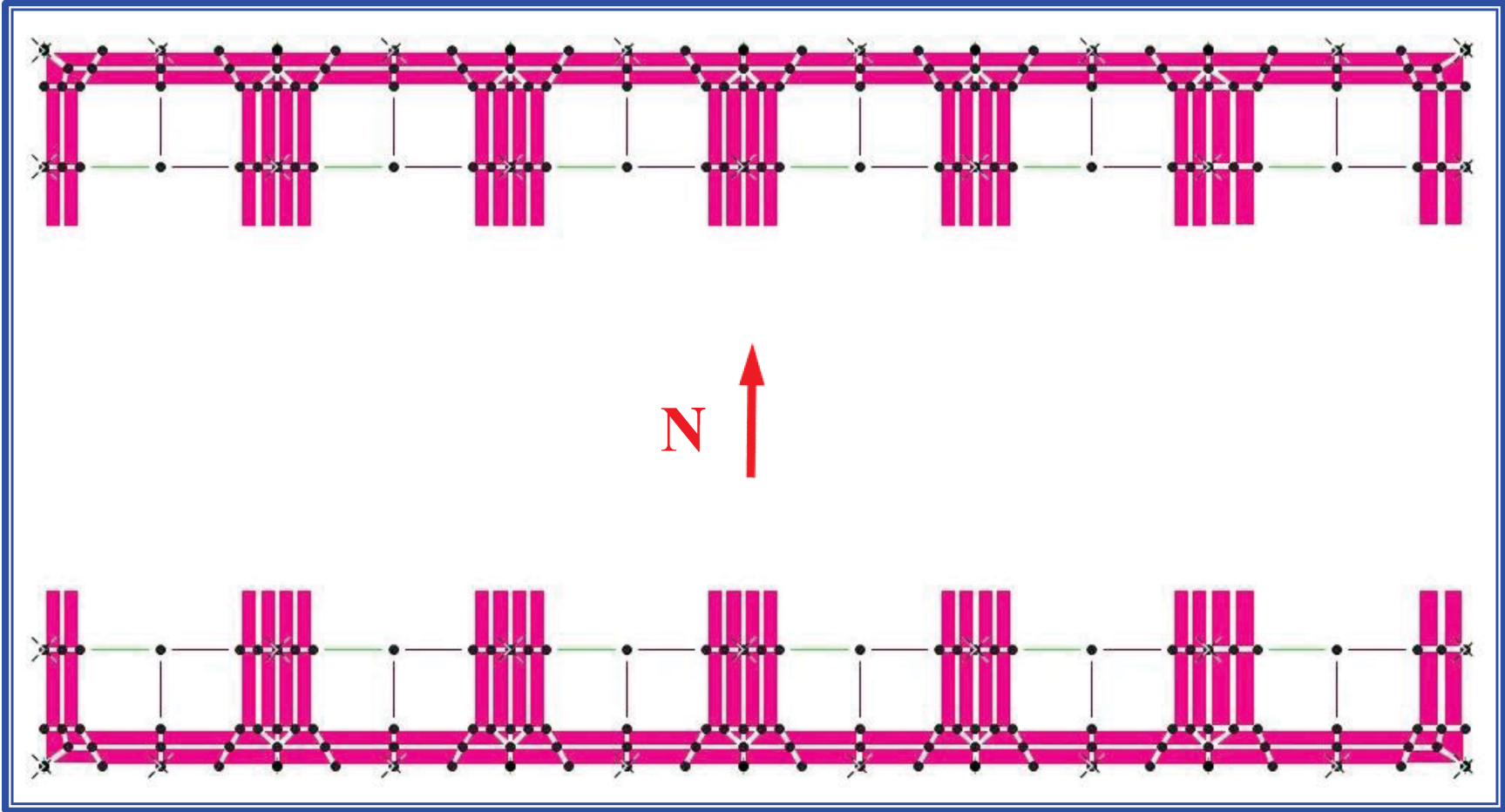


Figure 3.7.2-98: Location of NPMs for 7 Module Case Study

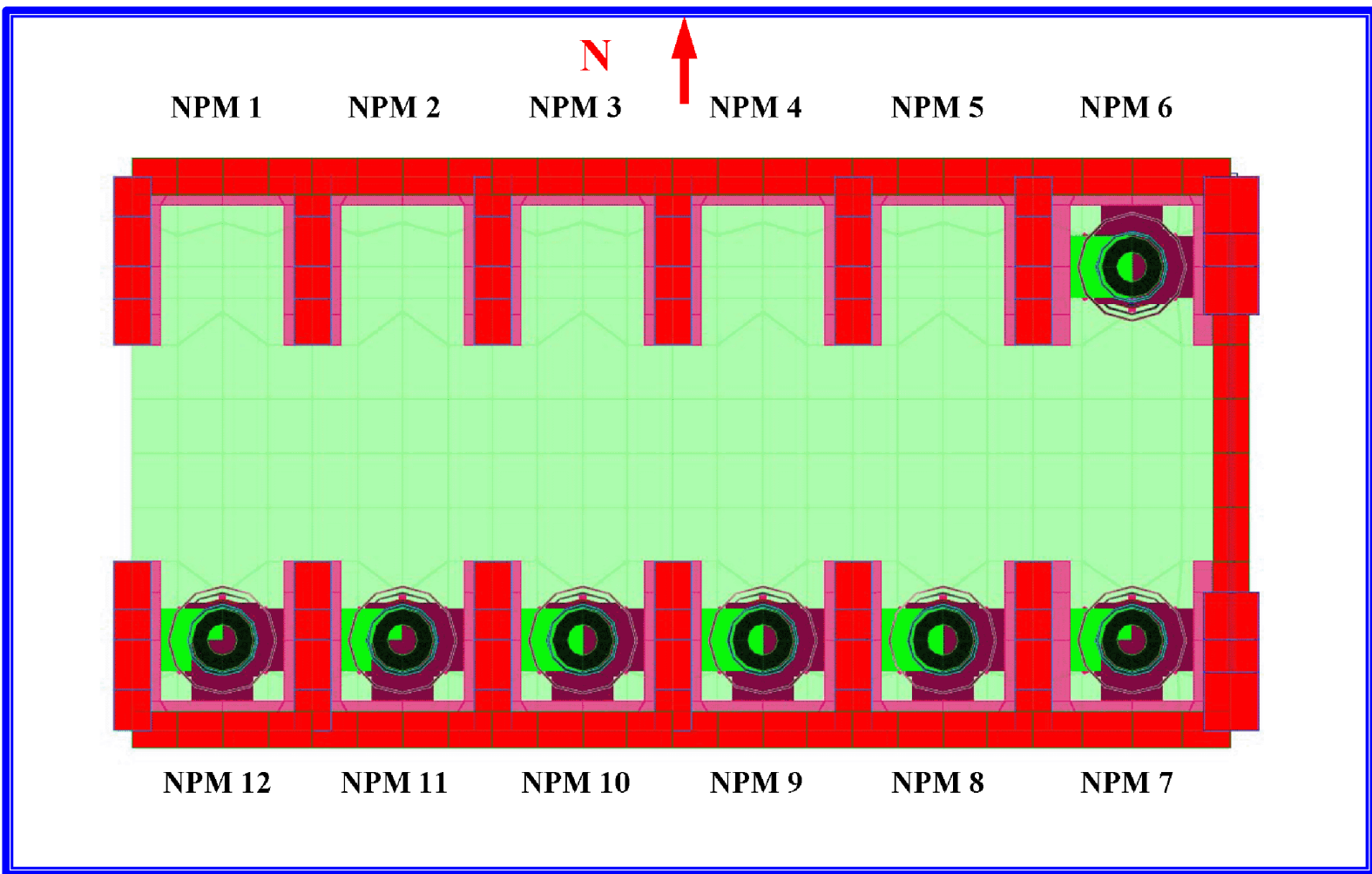


Figure 3.7.2-99: Example ISRS from CSDRS compatible Time Histories for Soil Type 7

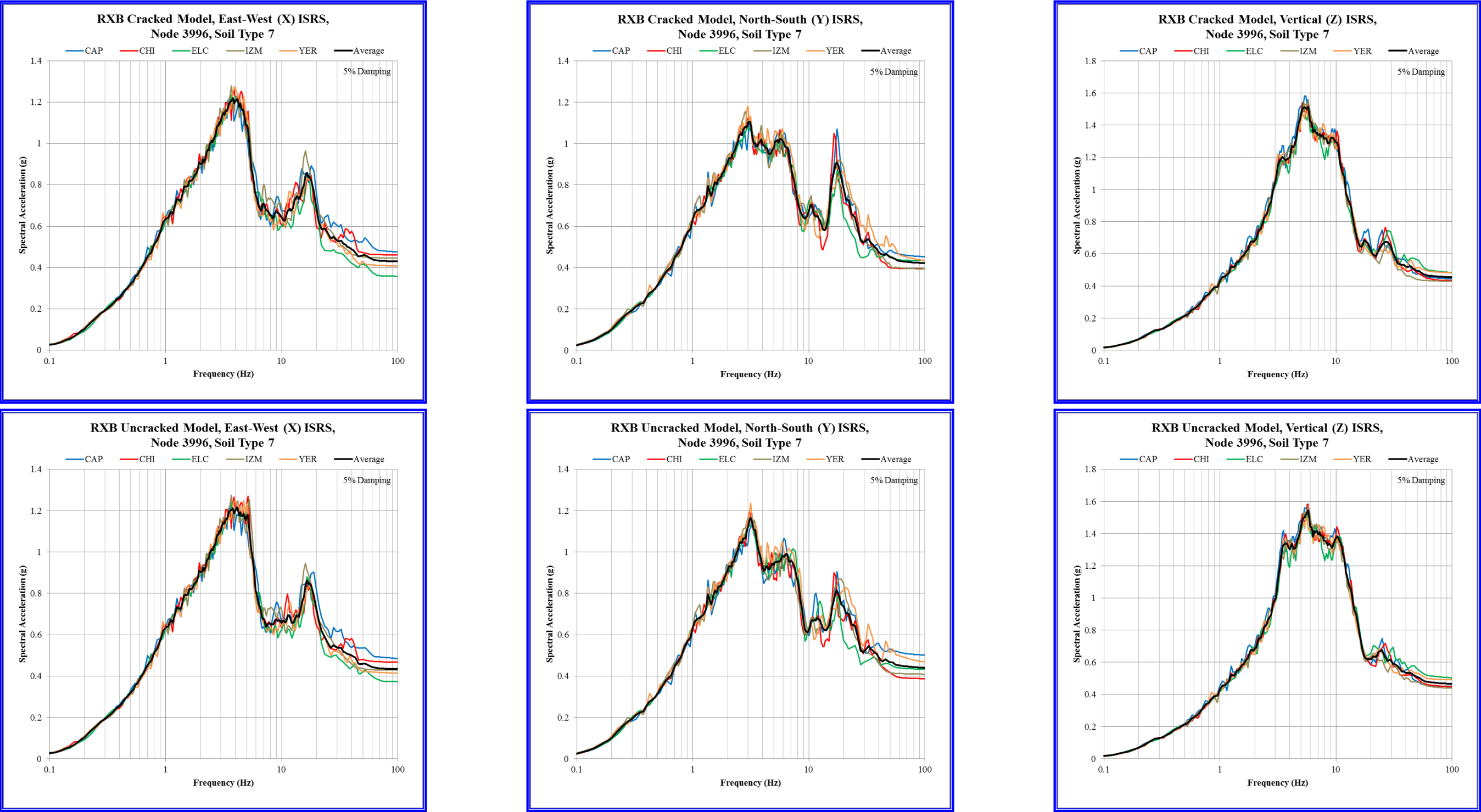


Figure 3.7.2-100: Example ISRS from CSDRS compatible Time Histories for Soil Type 8

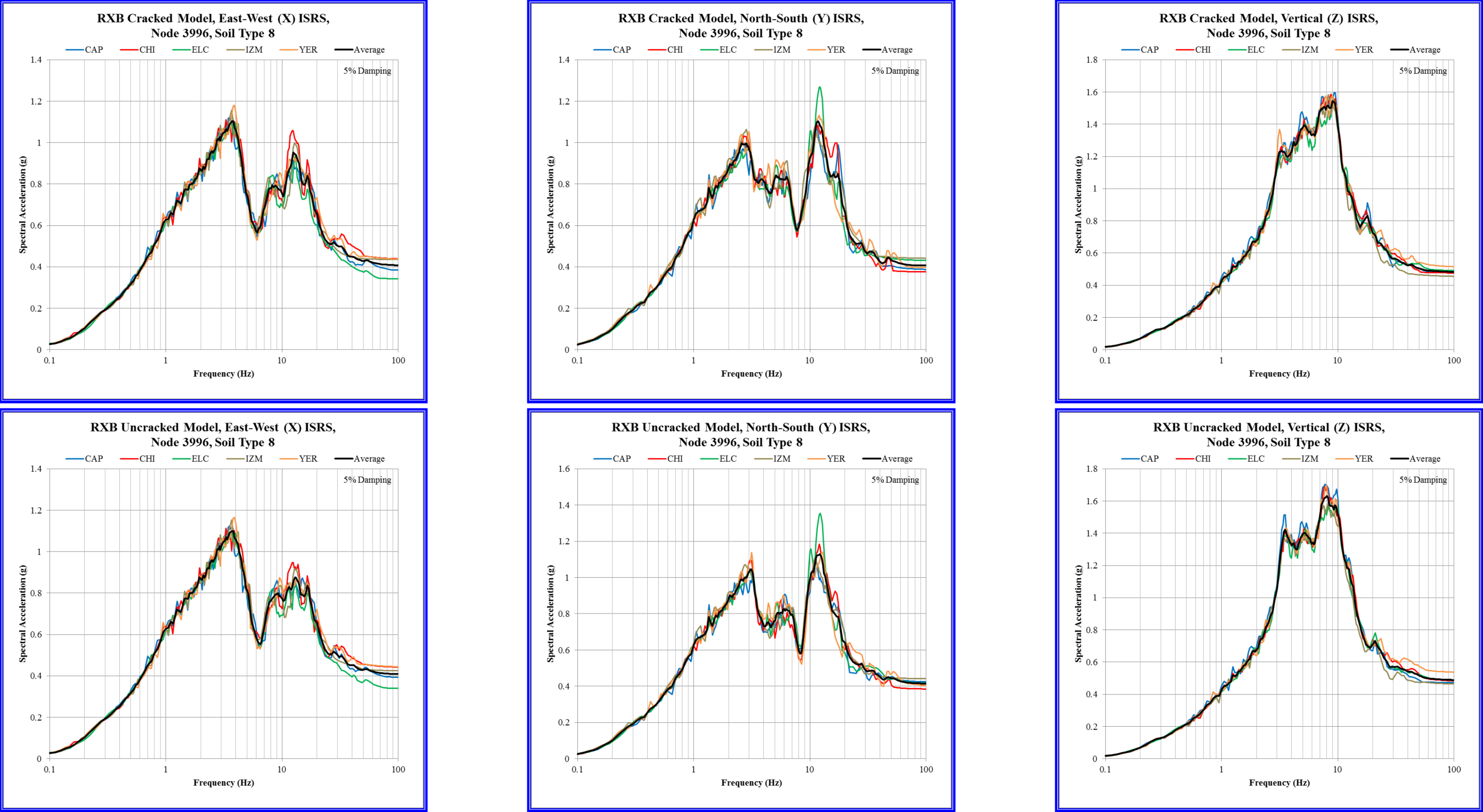


Figure 3.7.2-101: Example ISRS from CSDRS compatible Time Histories for Soil Type 11

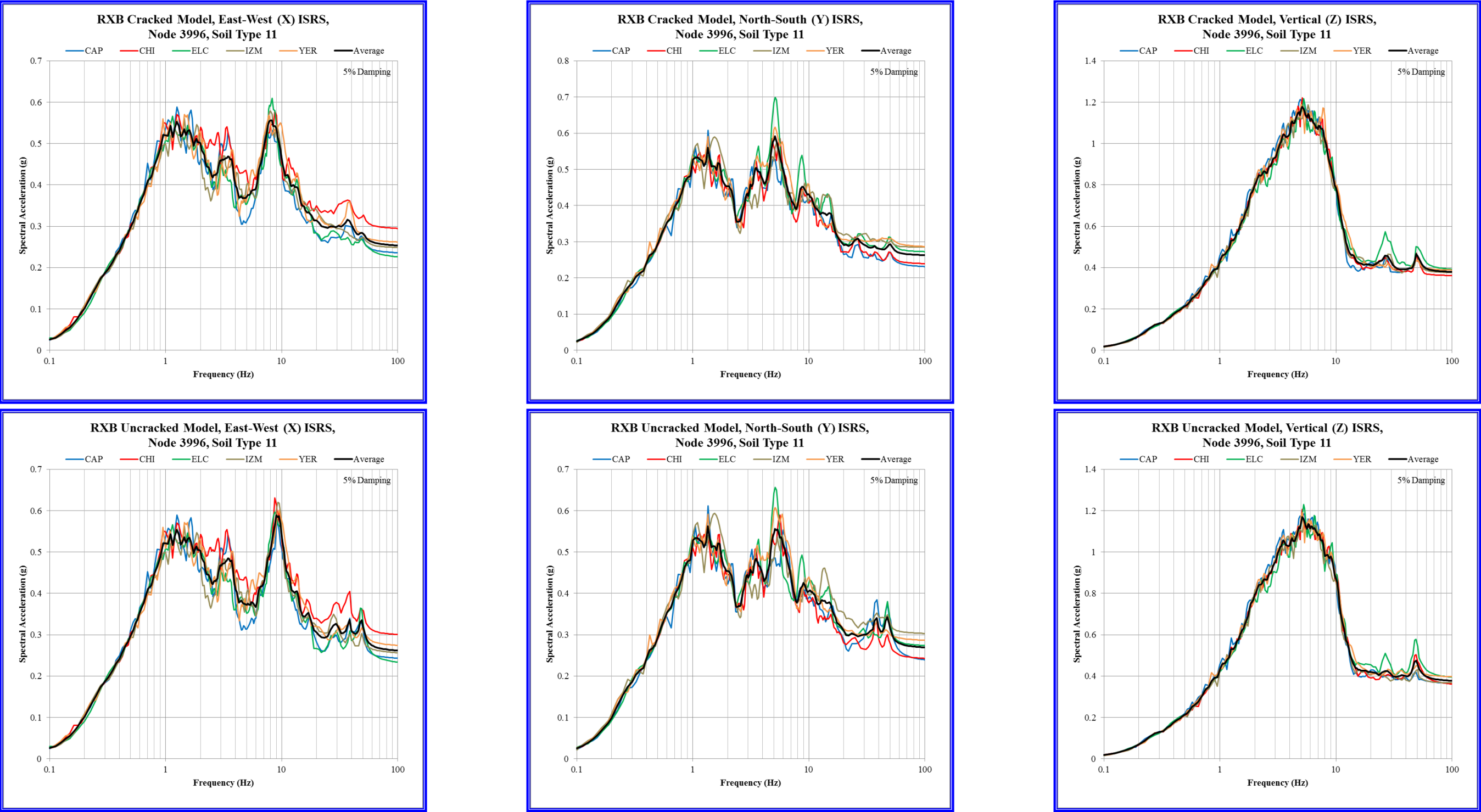


Figure 3.7.2-102: Example Combined and Enveloped ISRS

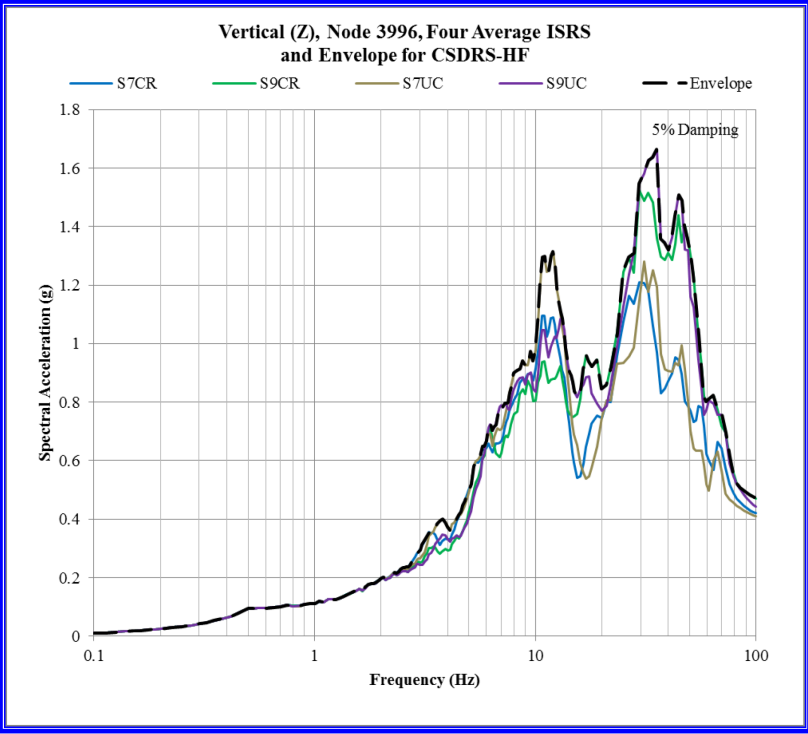
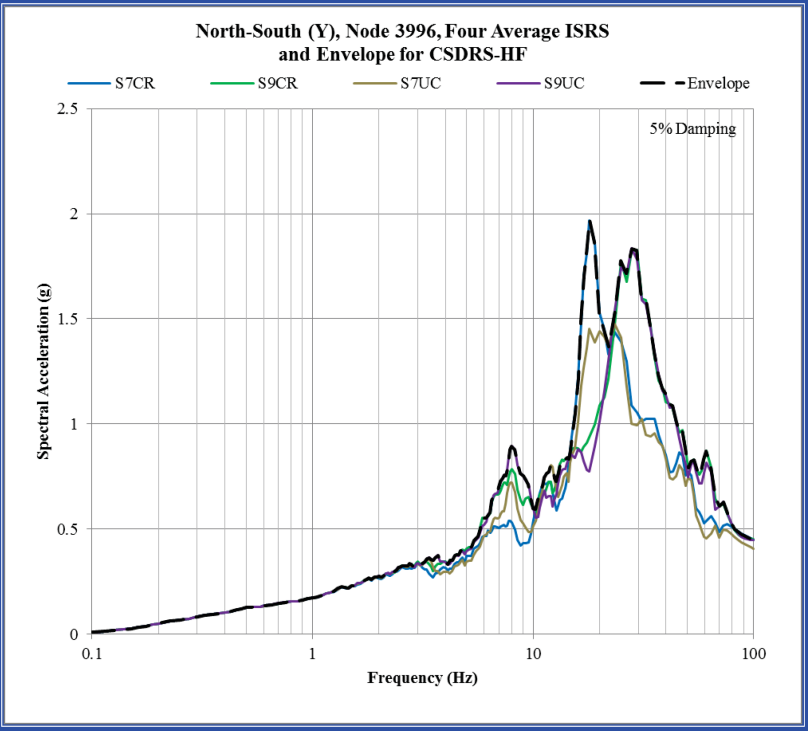
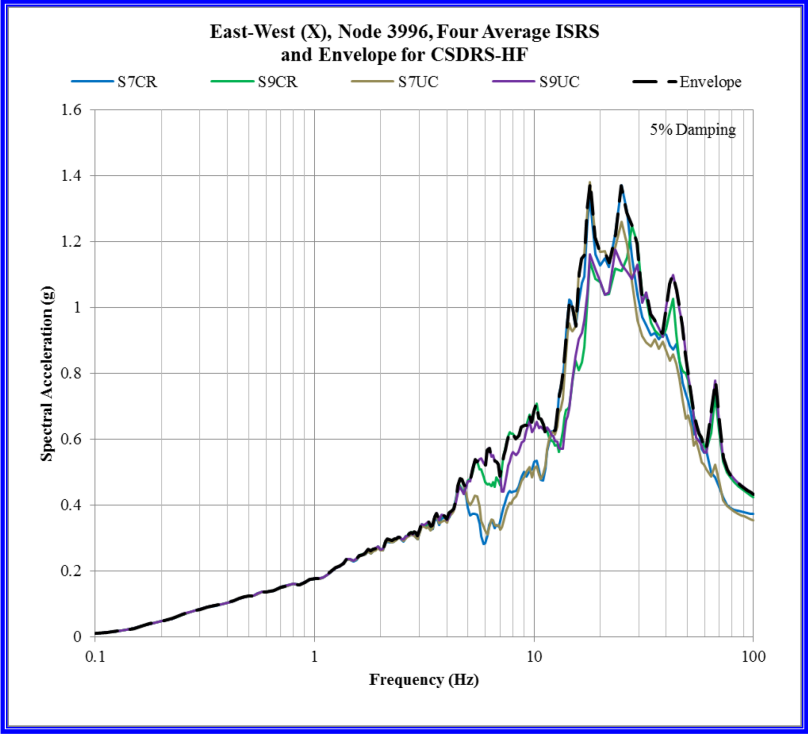
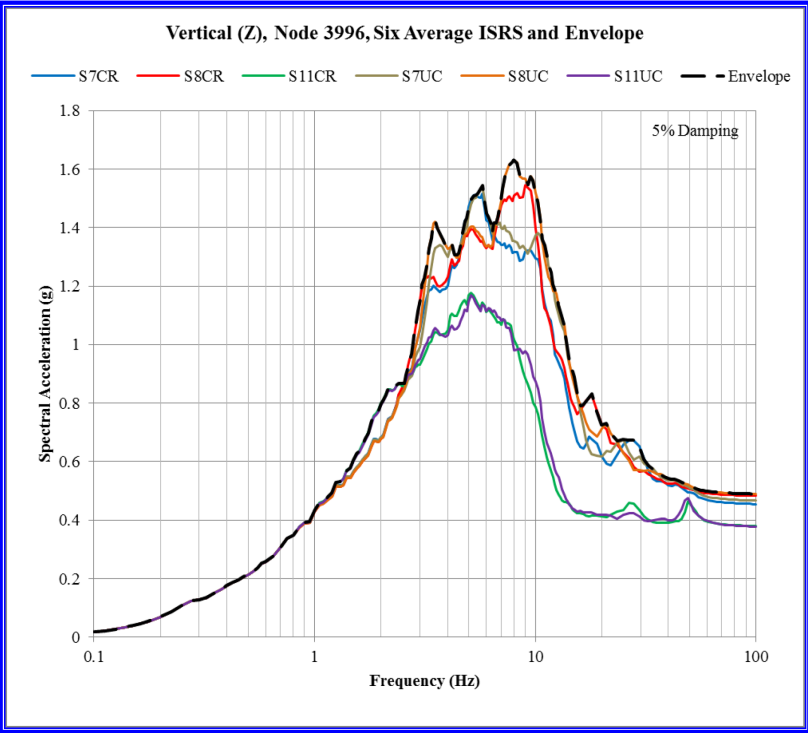
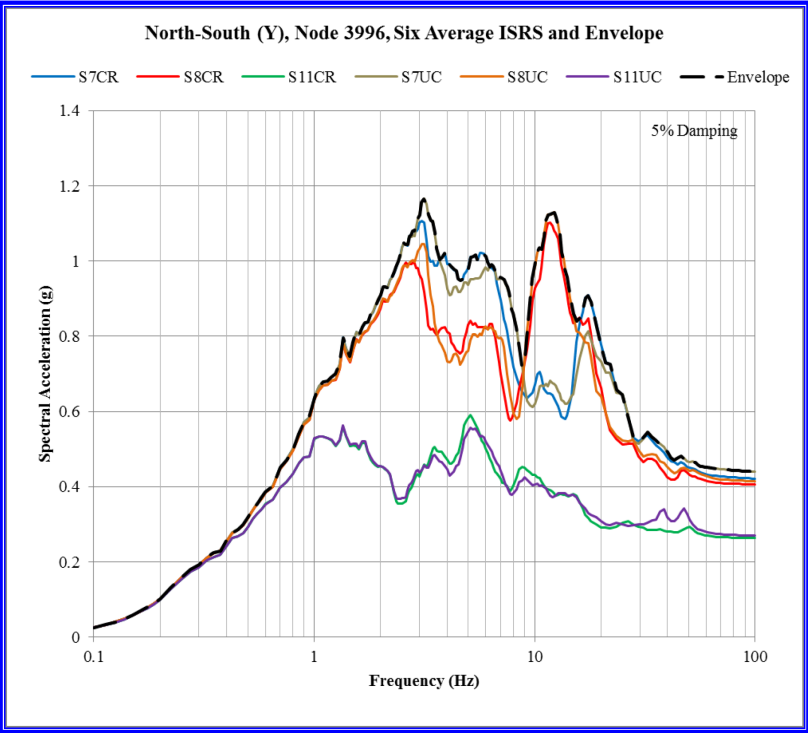
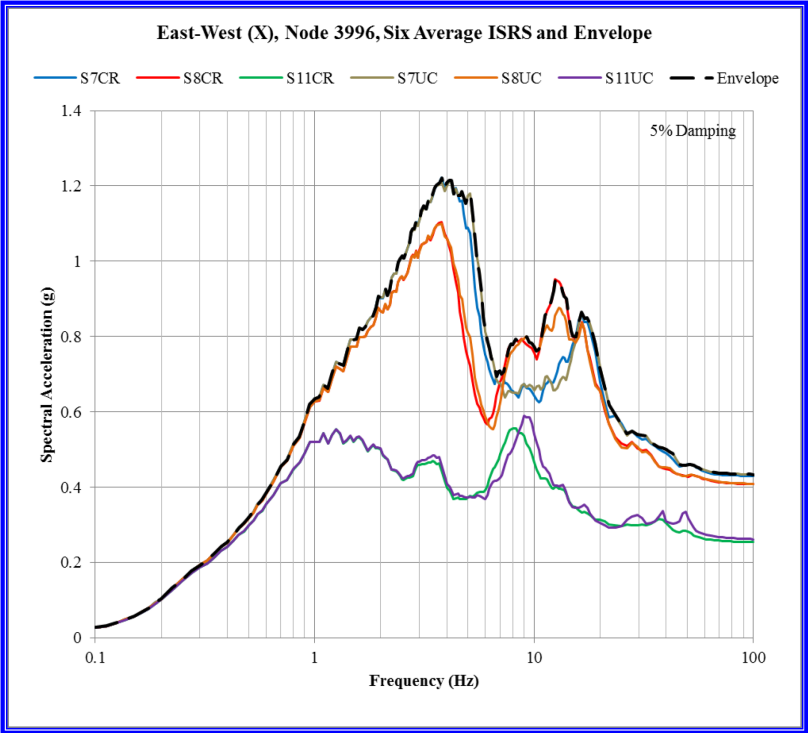


Figure 3.7.2-103: Exampled Broadened ISRS at Multiple Damping Ratios

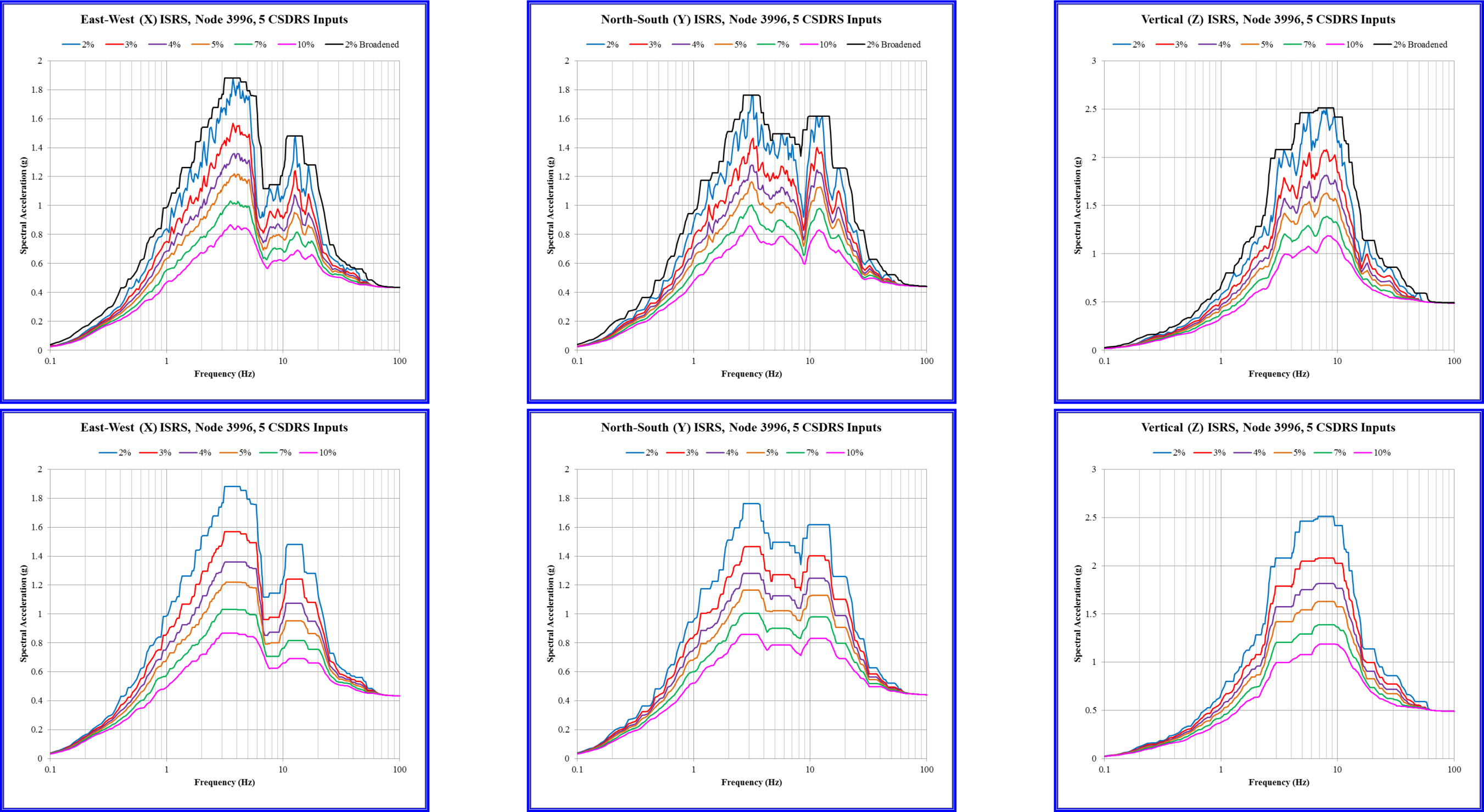


Figure 3.7.2-104: Comparison between Standalone Reactor Building Model and Triple Building Model, ISRS at Northwest Corner, Top of Basement

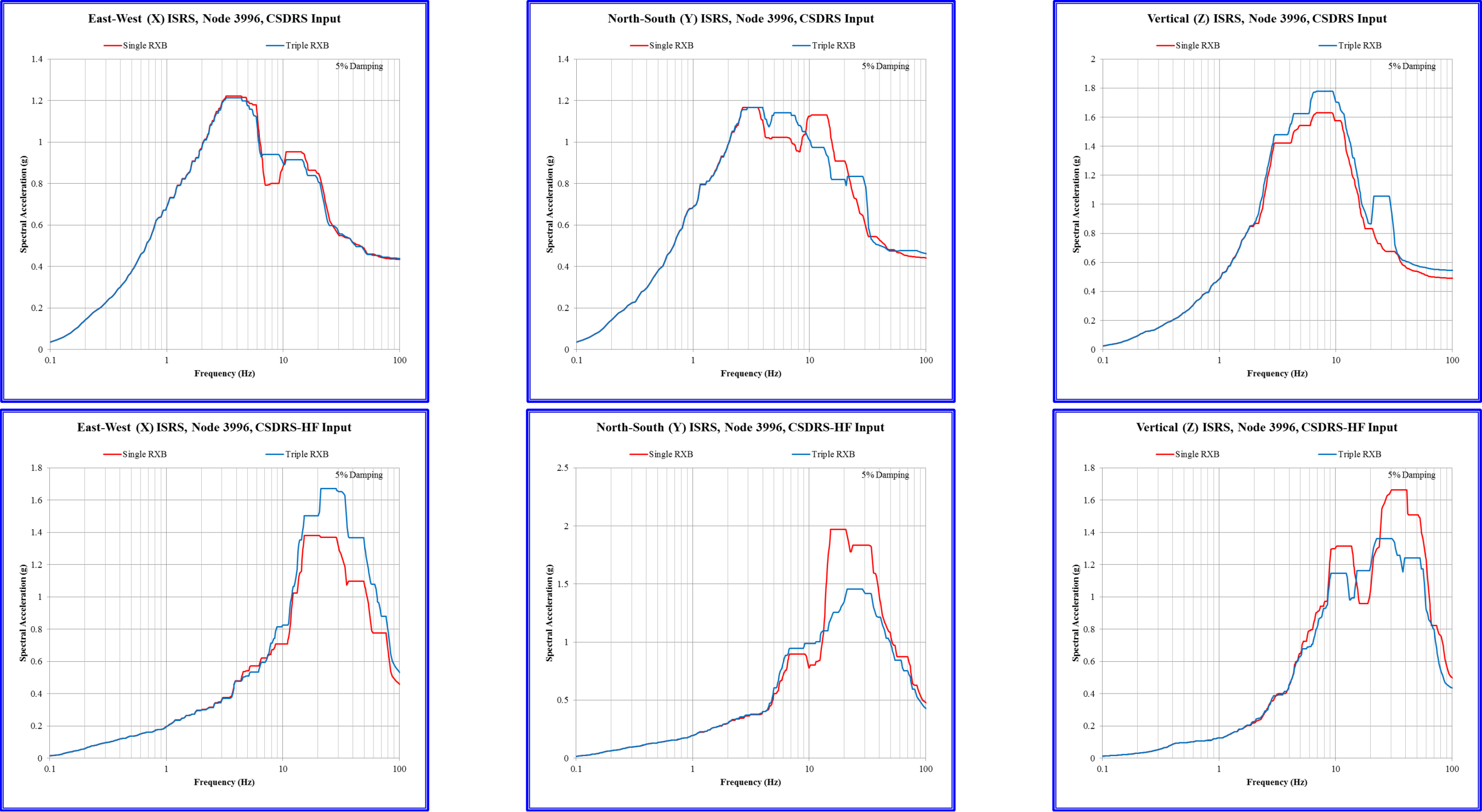


Figure 3.7.2-105: Comparison between Standalone Reactor Building Model and Triple Building Model, ISRS at Northwest Corner, Top of Exterior Wall

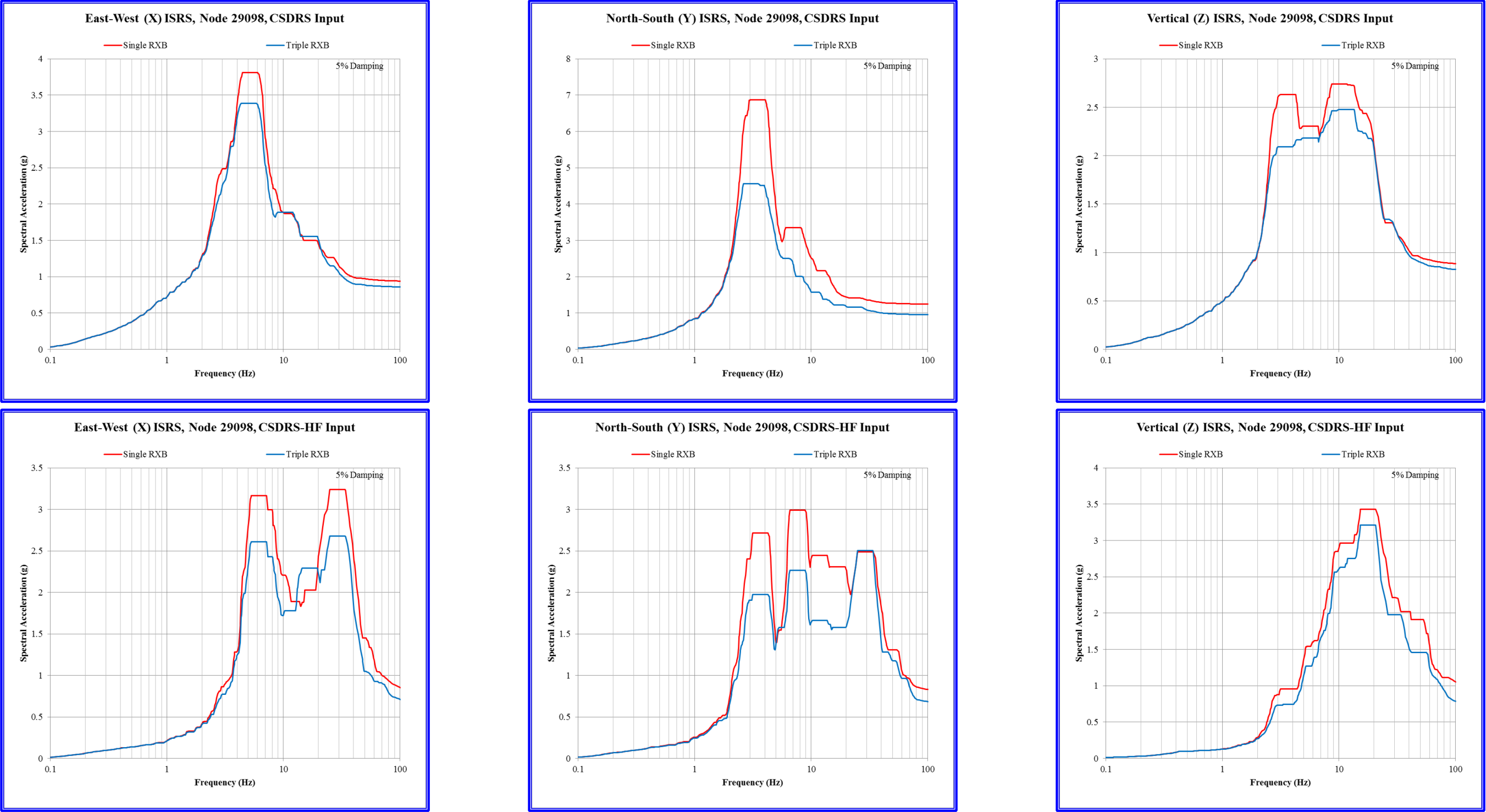


Figure 3.7.2-106: Comparison between Standalone Reactor Building Model and Triple Building Model, ISRS at Corner or Roof Slab

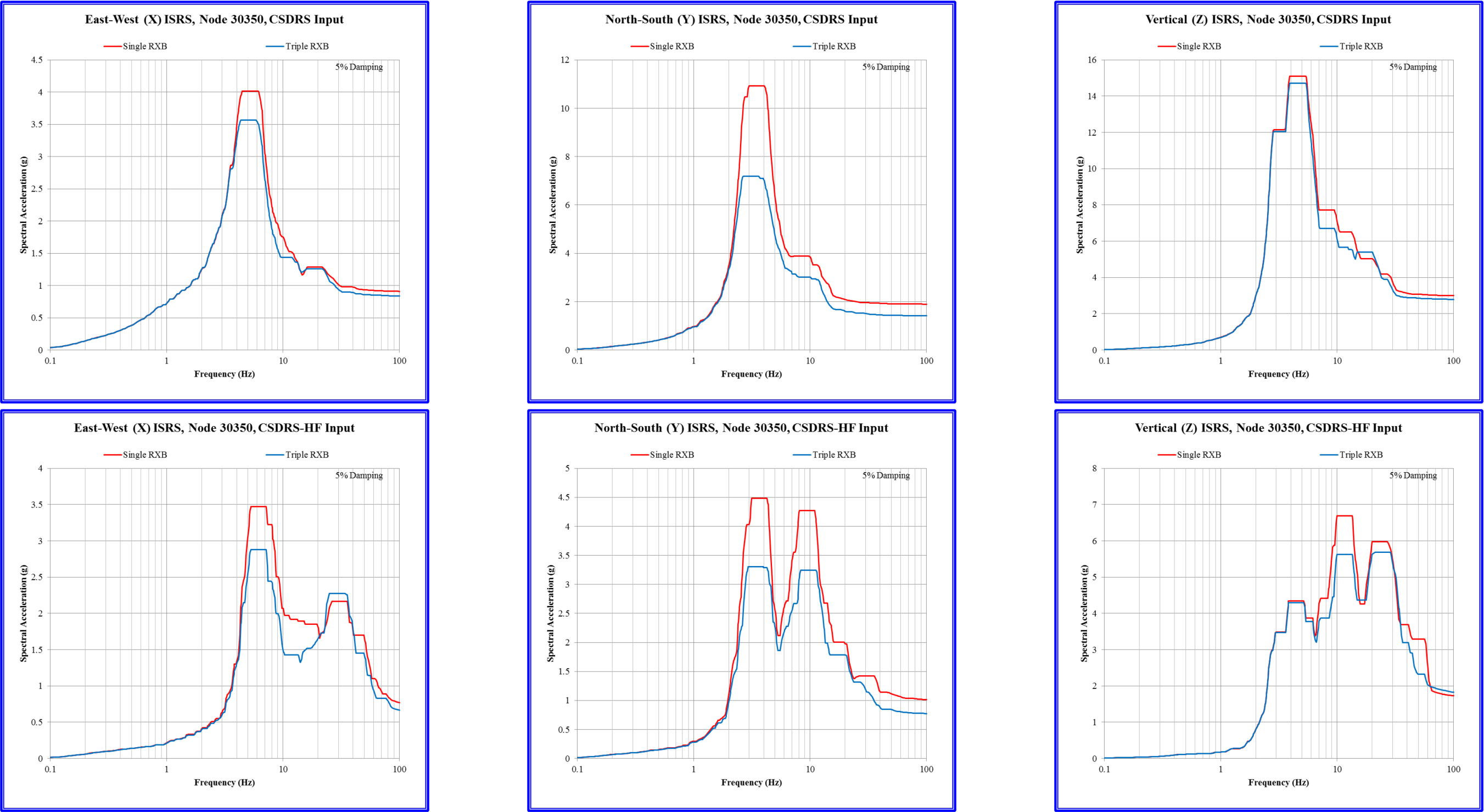


Figure 3.7.2-107: Reactor Building ISRS for Floor at El. 24' 0"

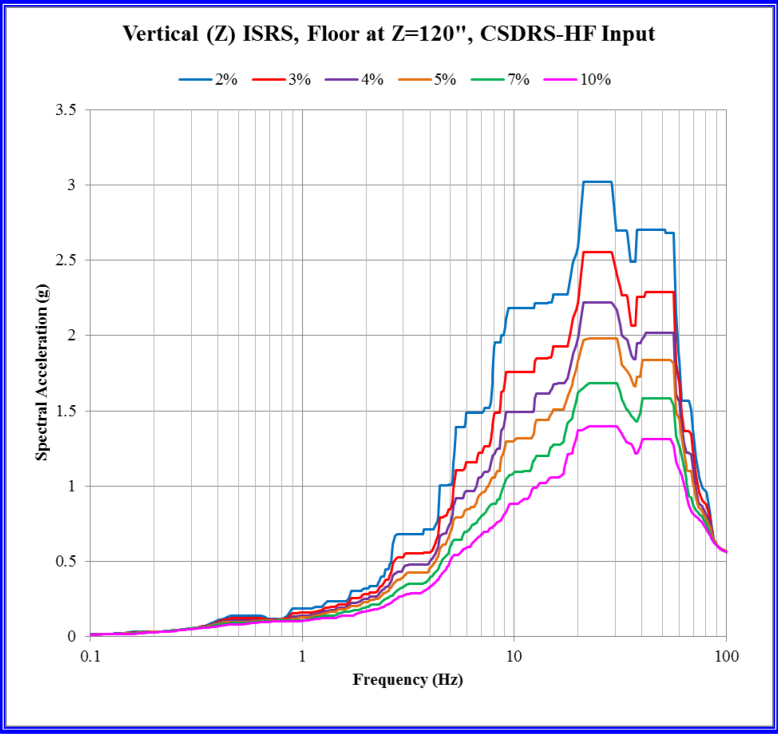
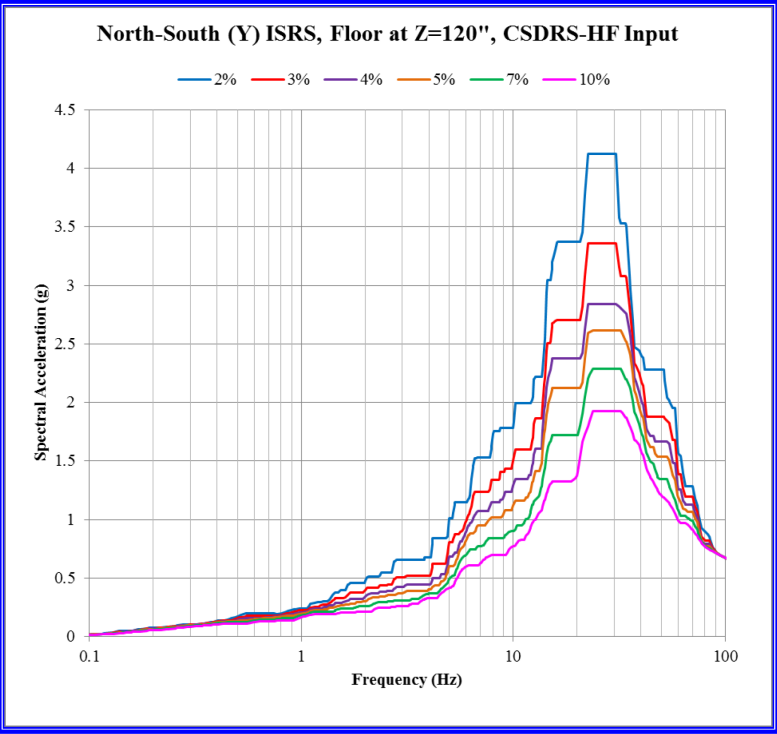
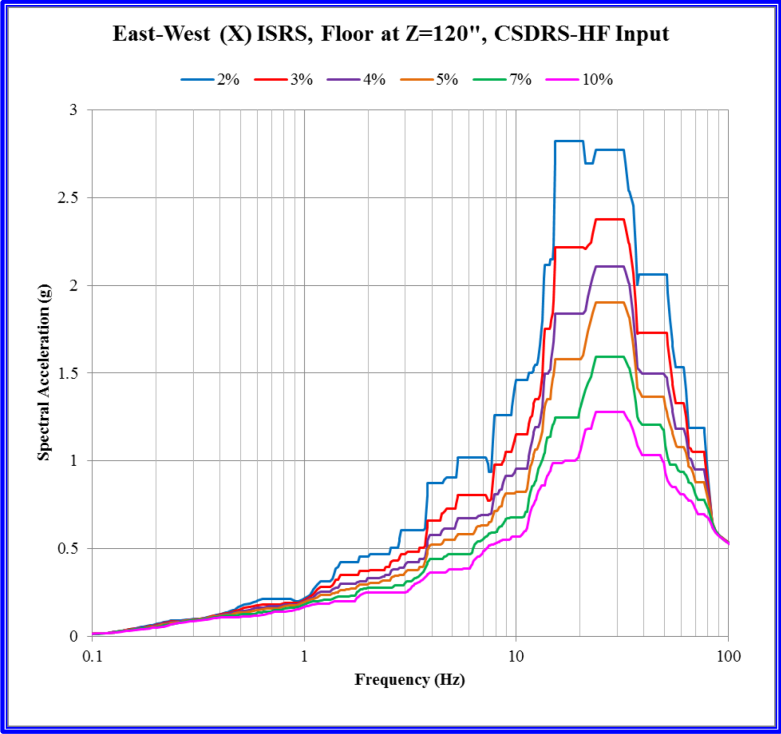
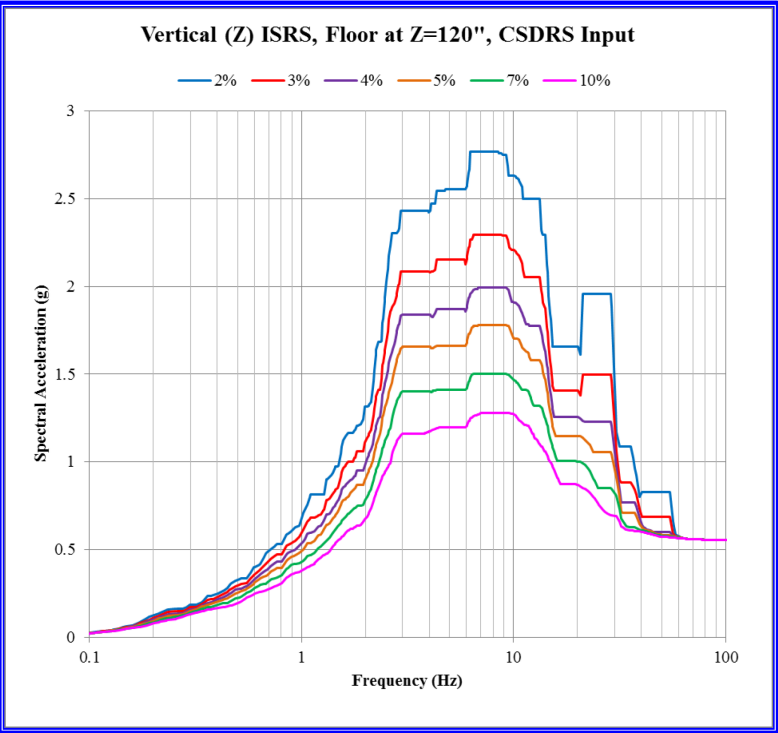
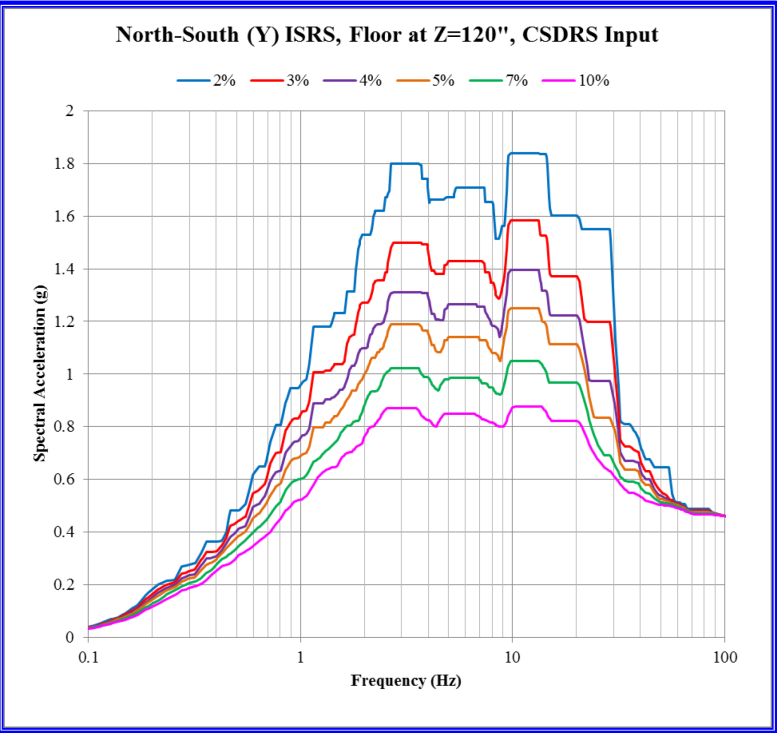
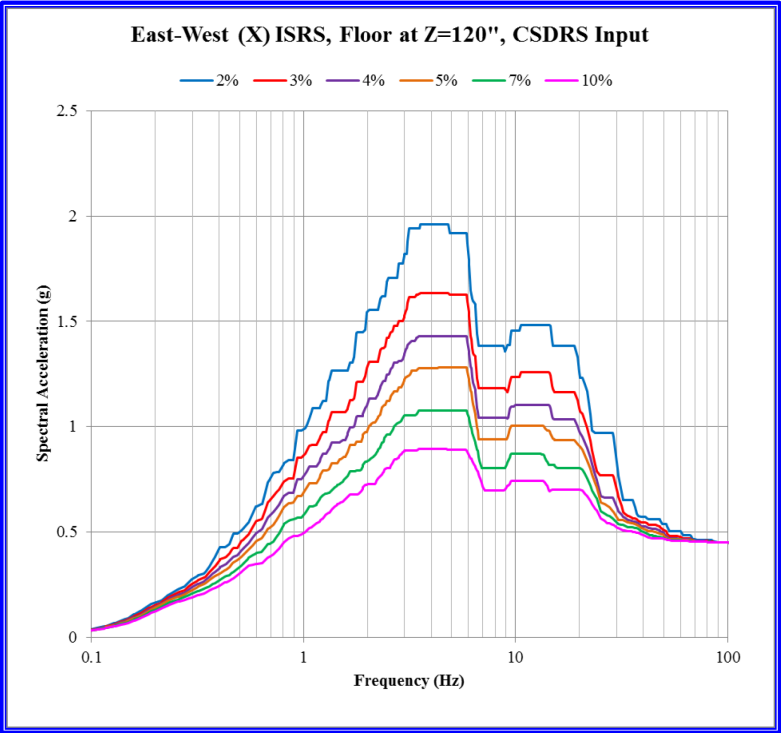


Figure 3.7.2-108: Reactor Building ISRS for Floor at El. 25' 0"

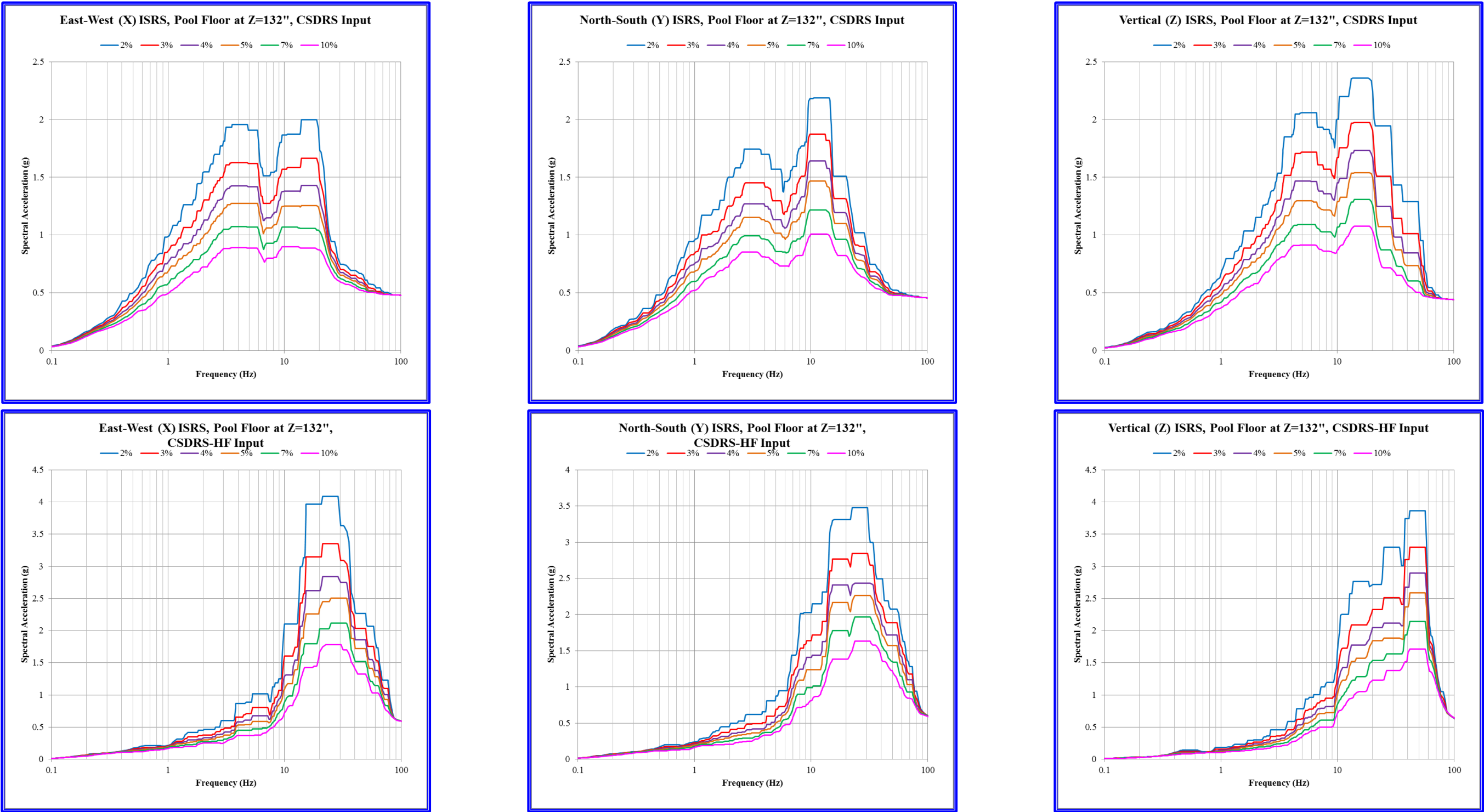


Figure 3.7.2-109: Reactor Building ISRS for Floor at El. 50' 0"

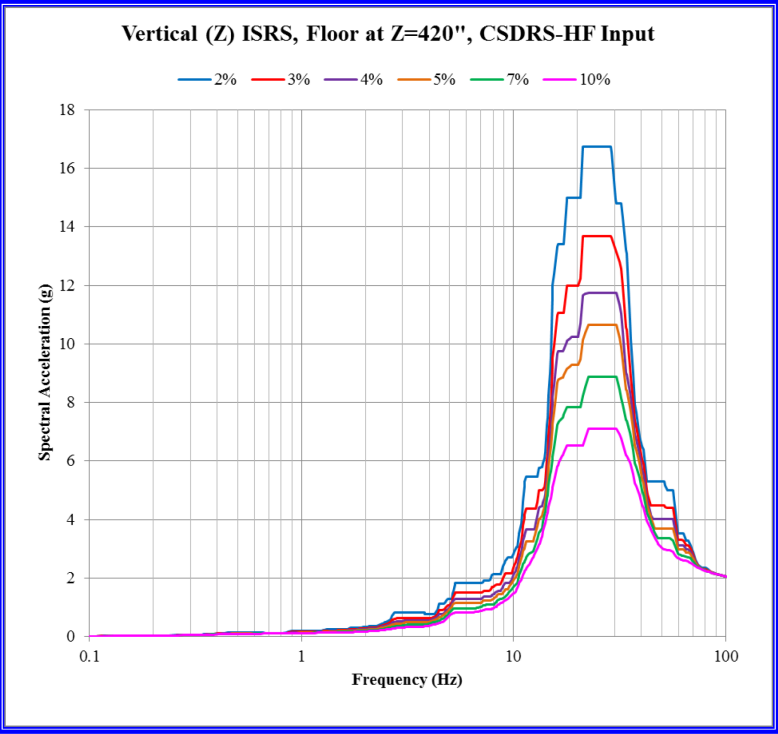
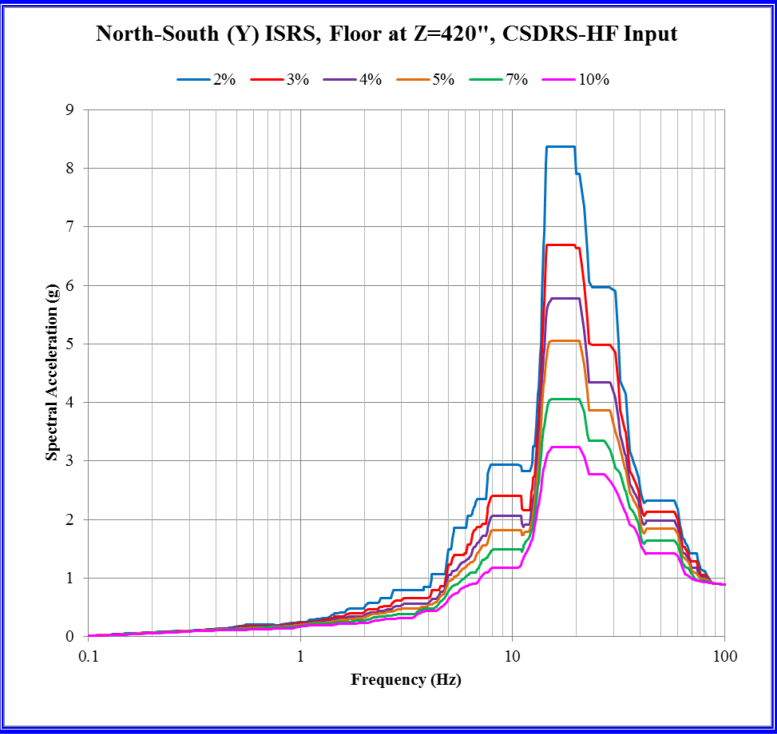
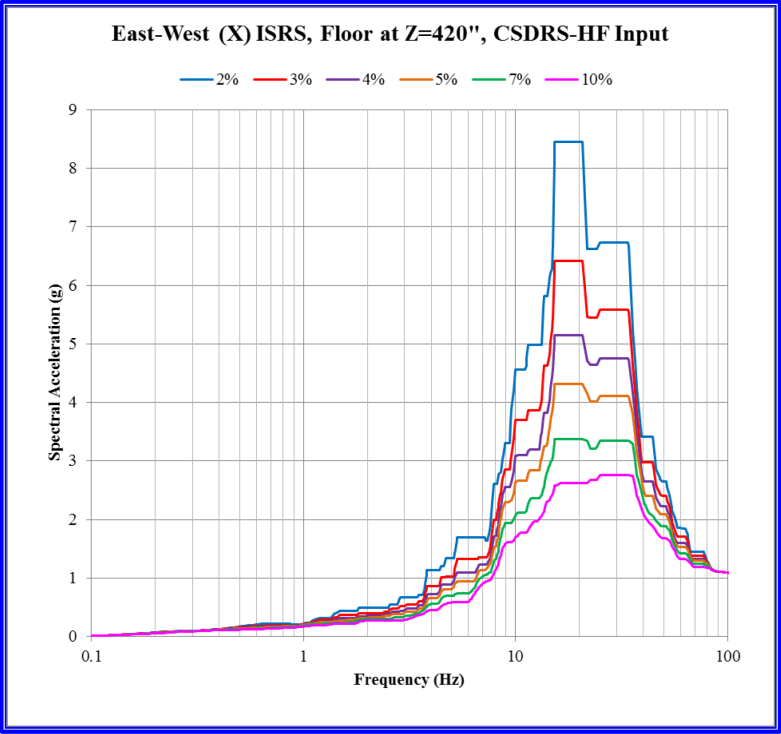
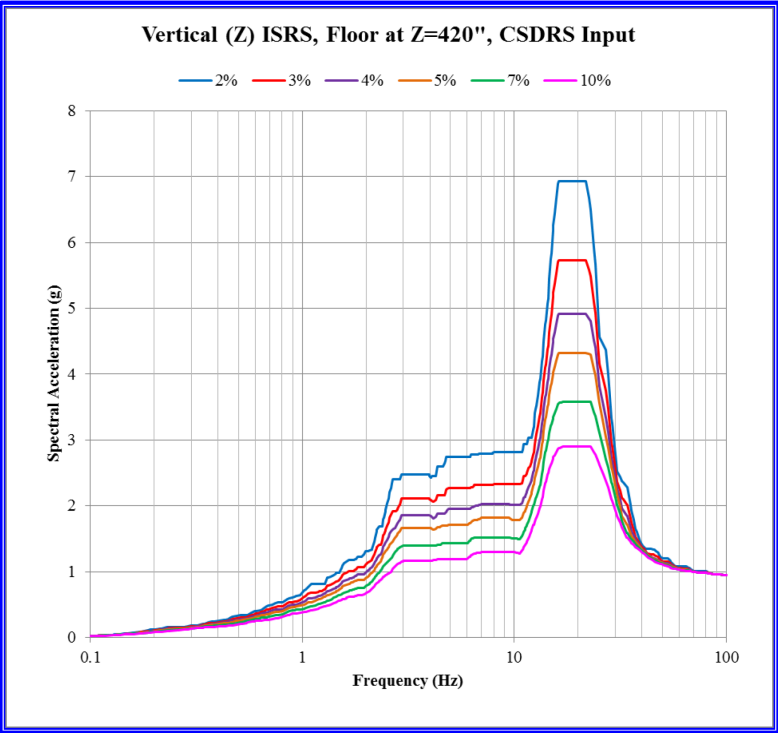
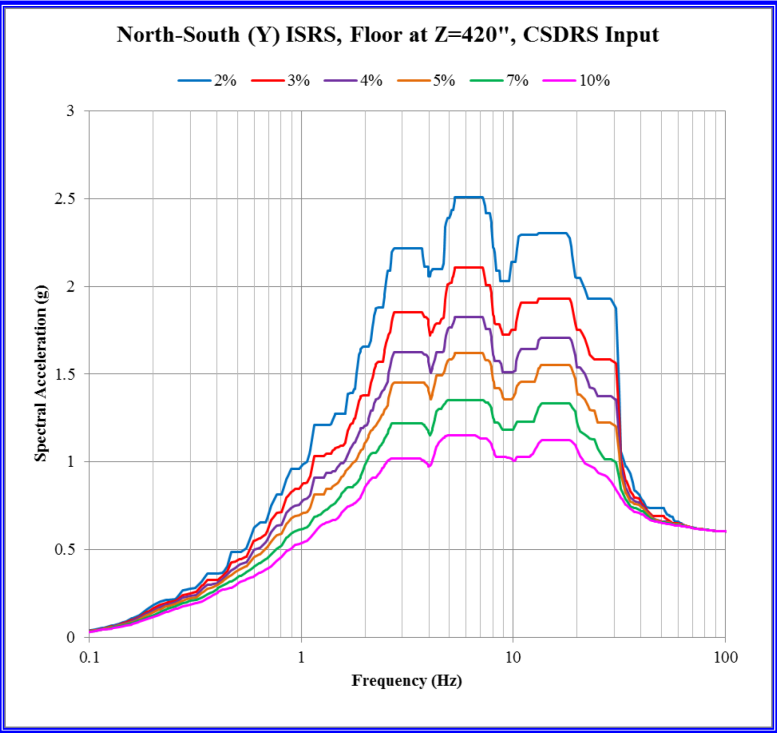
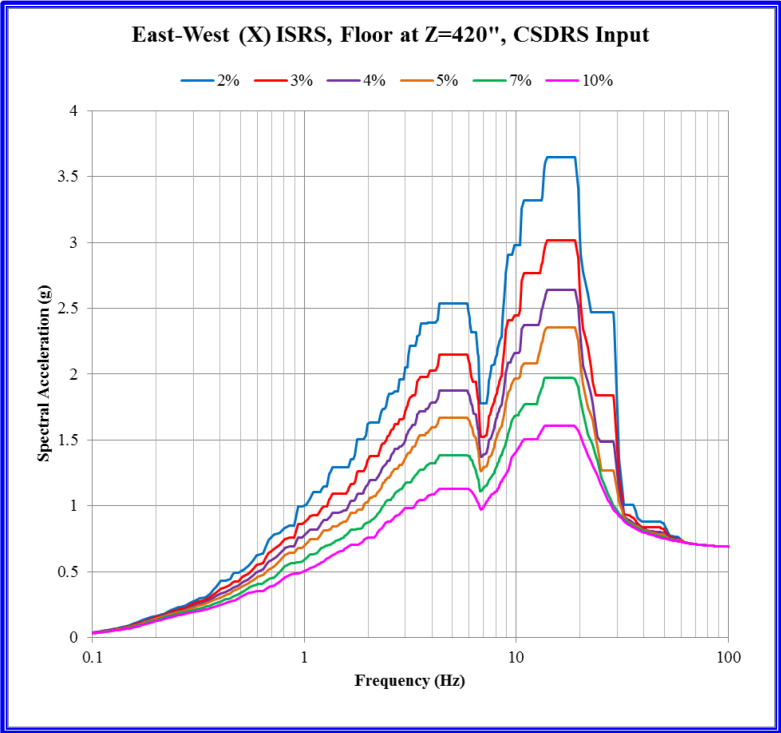


Figure 3.7.2-110: Reactor Building ISRS for Floor at El. 75' 0"

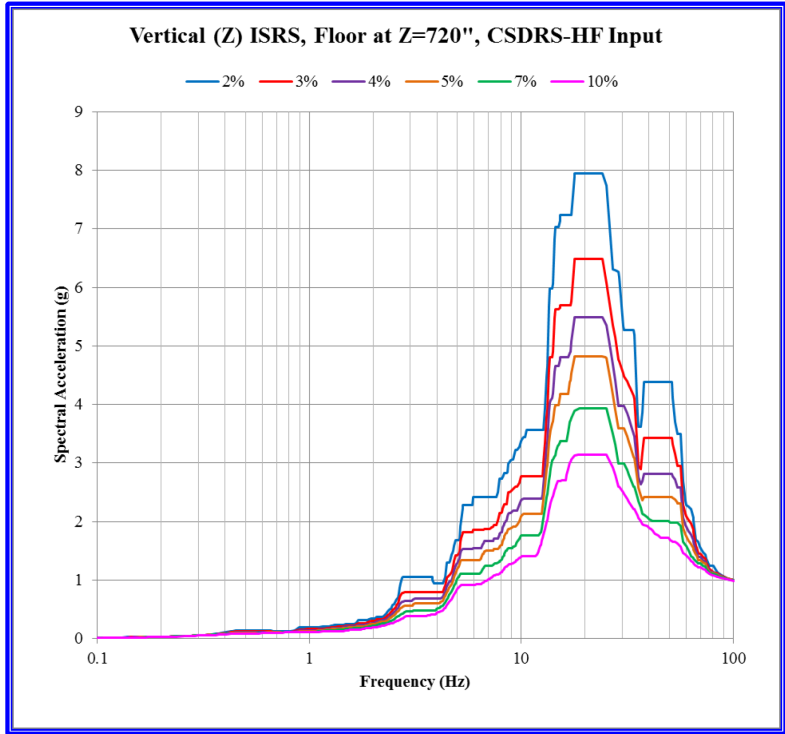
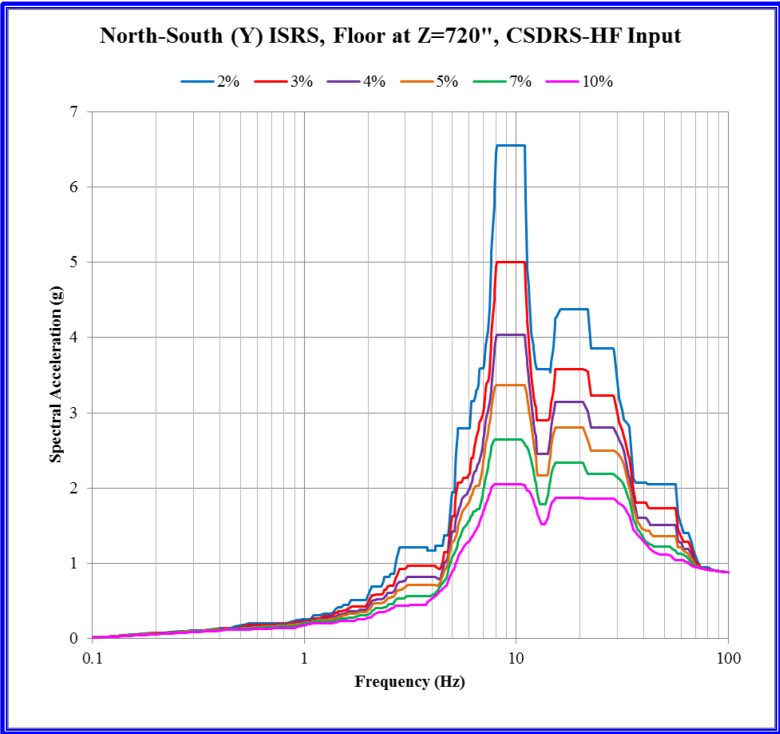
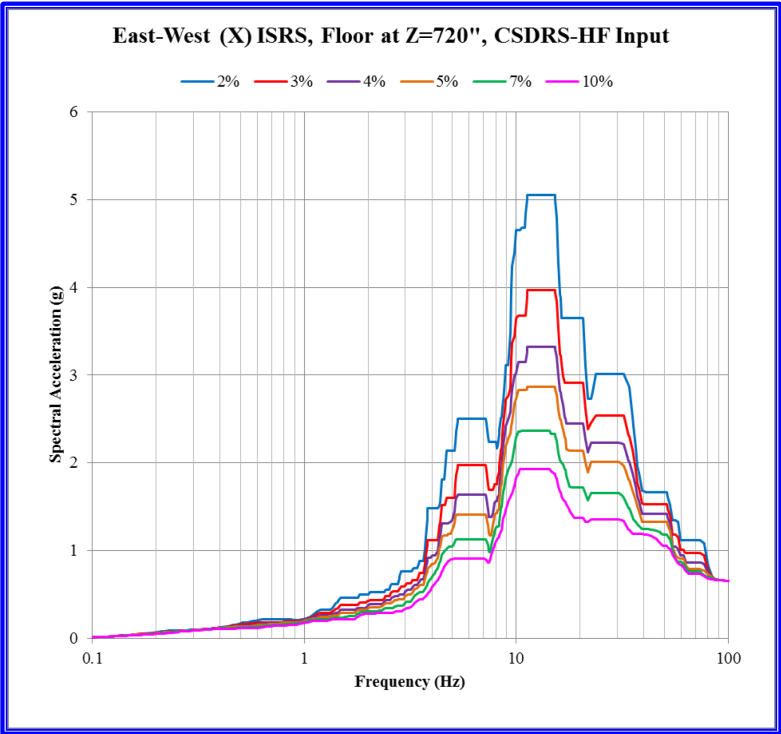
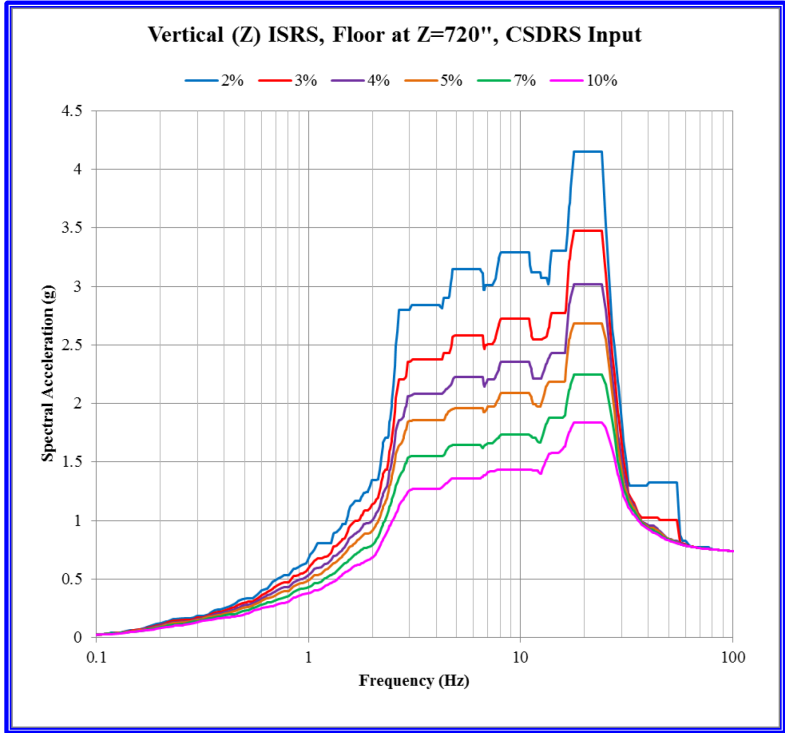
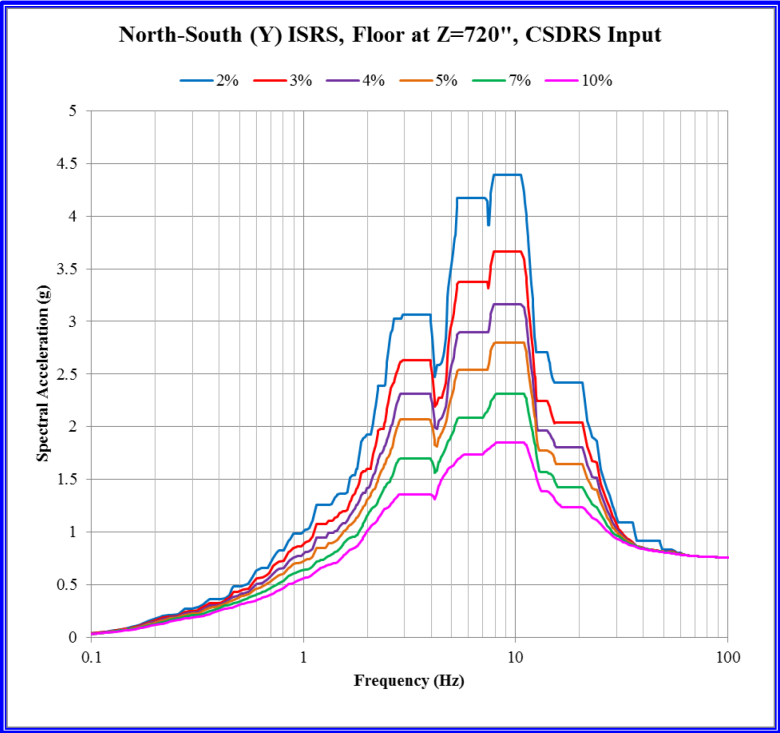
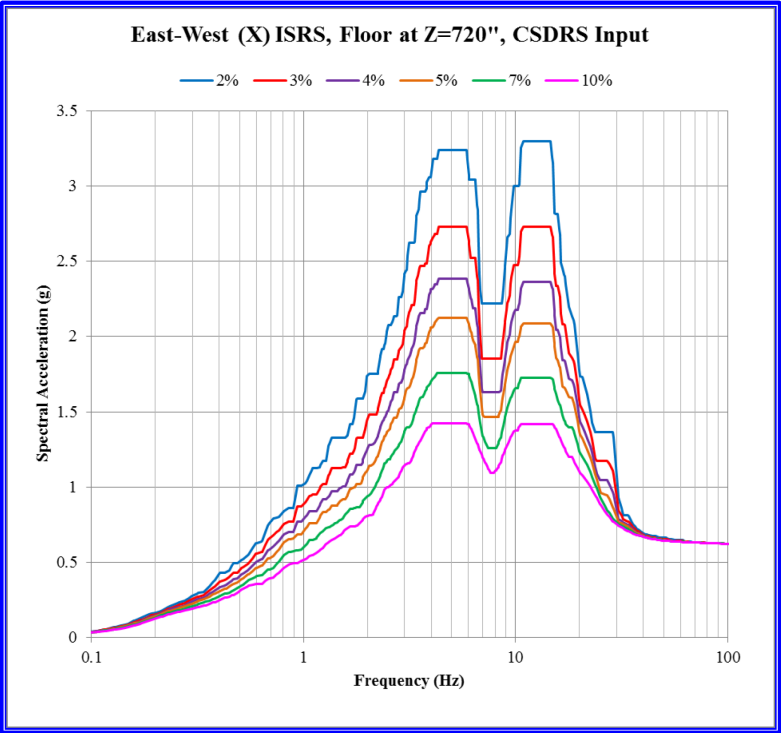


Figure 3.7.2-111: Reactor Building ISRS for Floor at El. 100' 0"

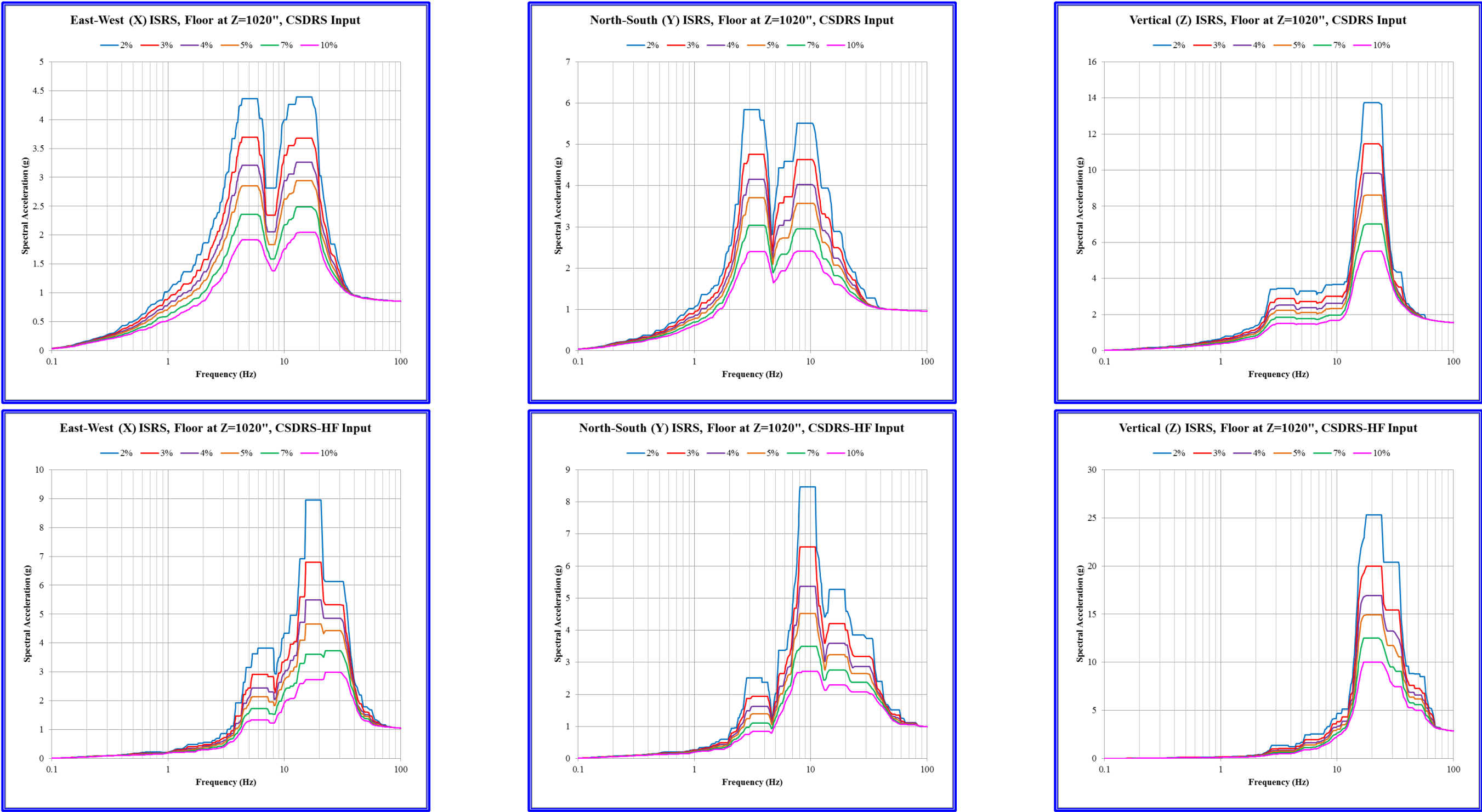


Figure 3.7.2-112: Reactor Building ISRS for Floor at El. 126' 0"

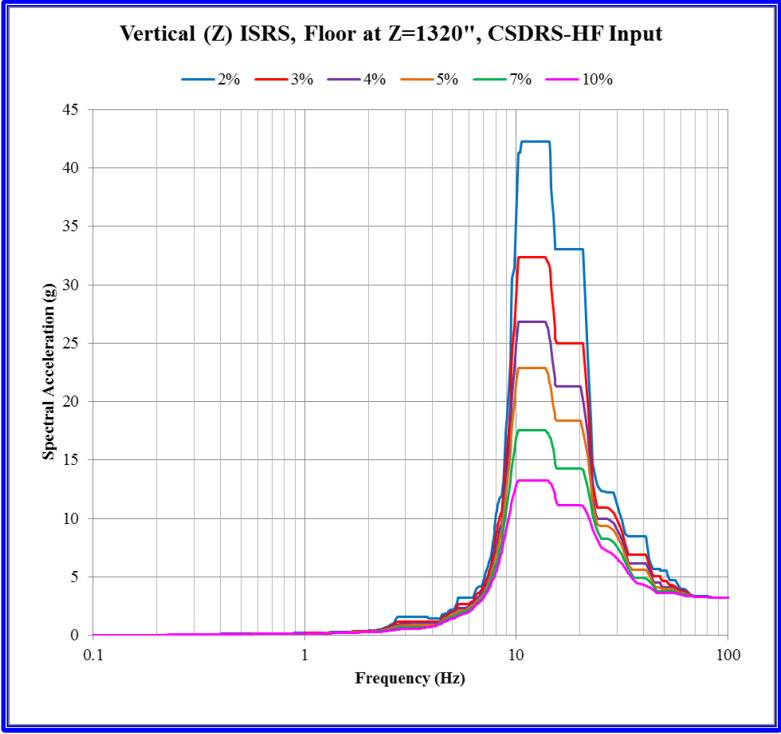
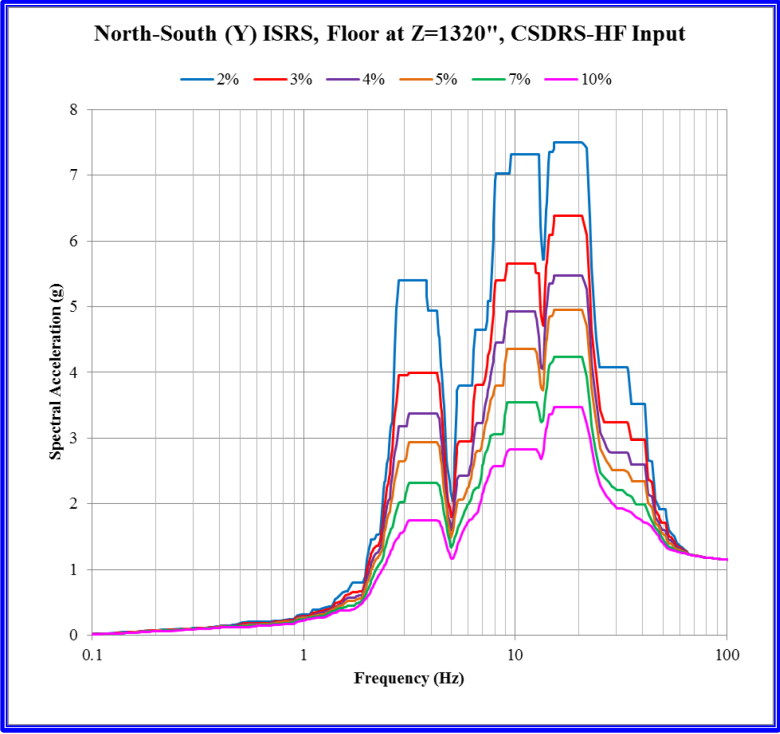
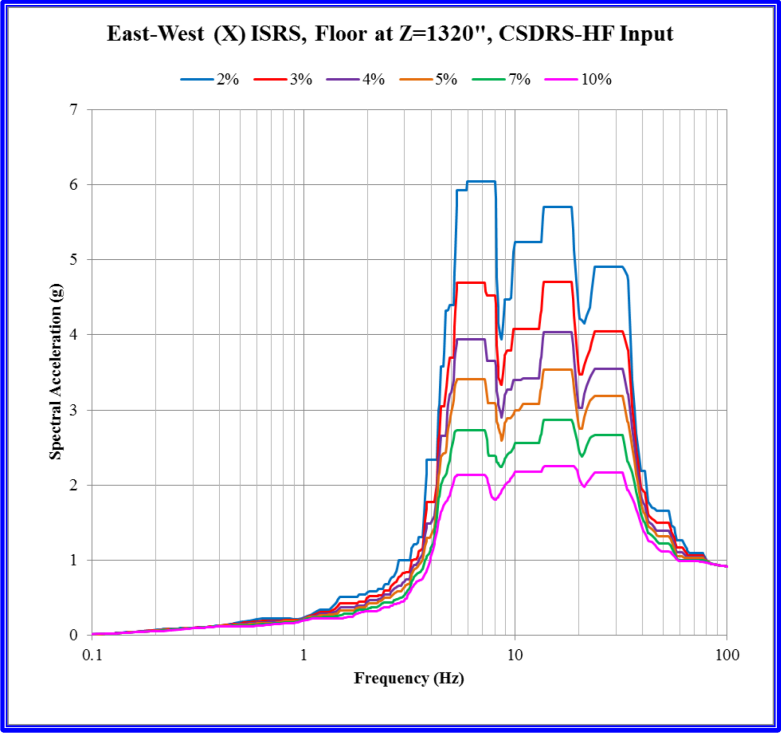
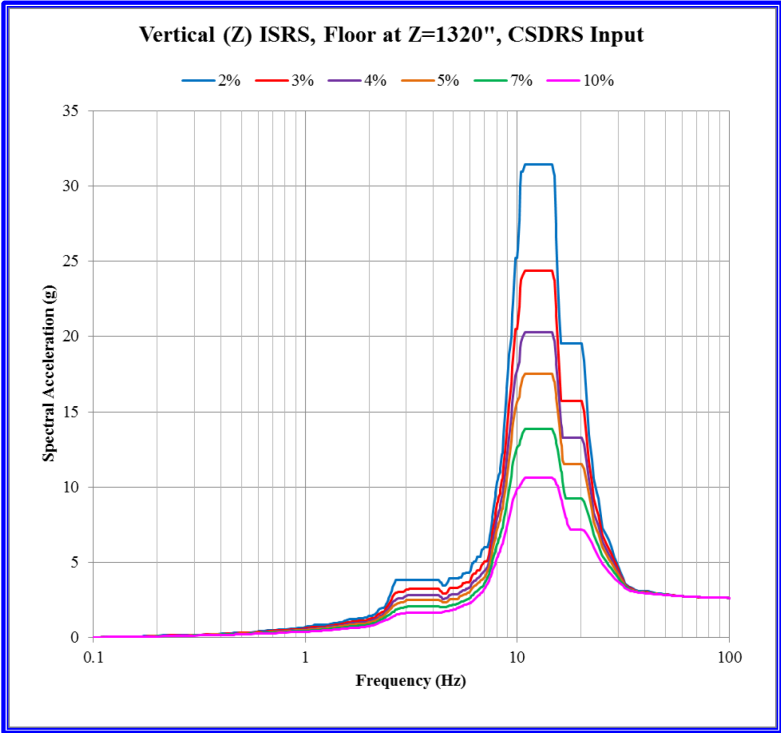
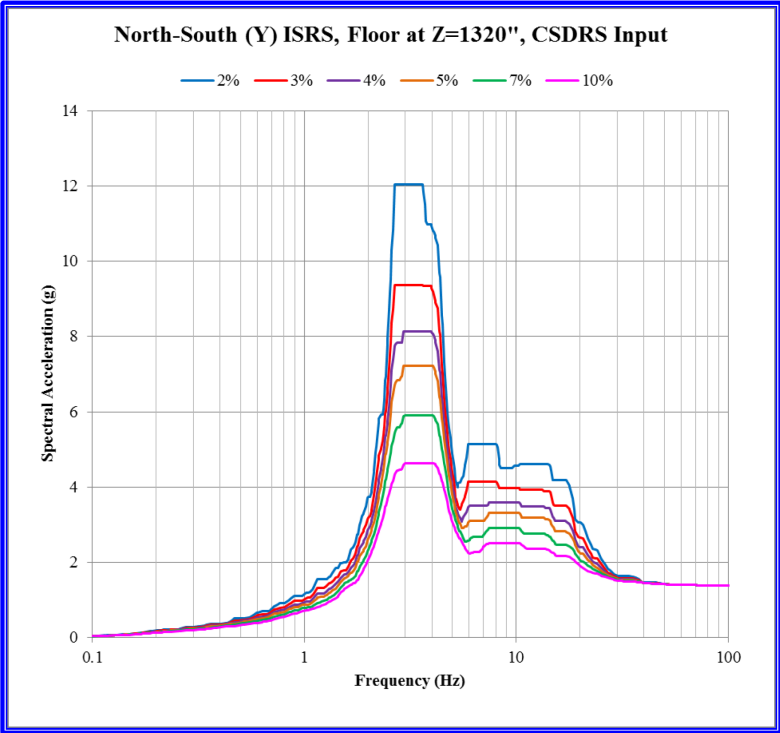
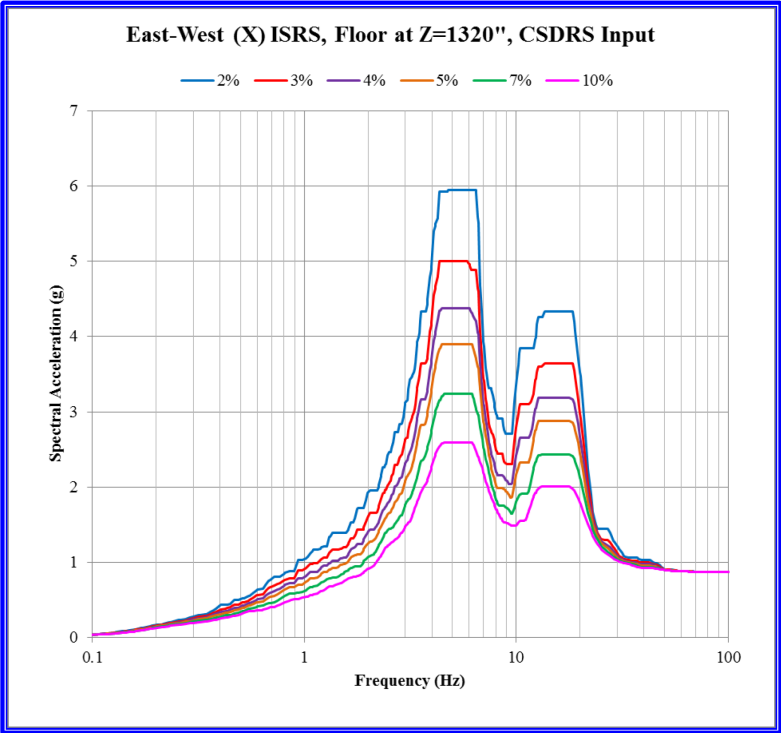


Figure 3.7.2-113: Reactor Building ISRS for Roof at El. 181' 0"

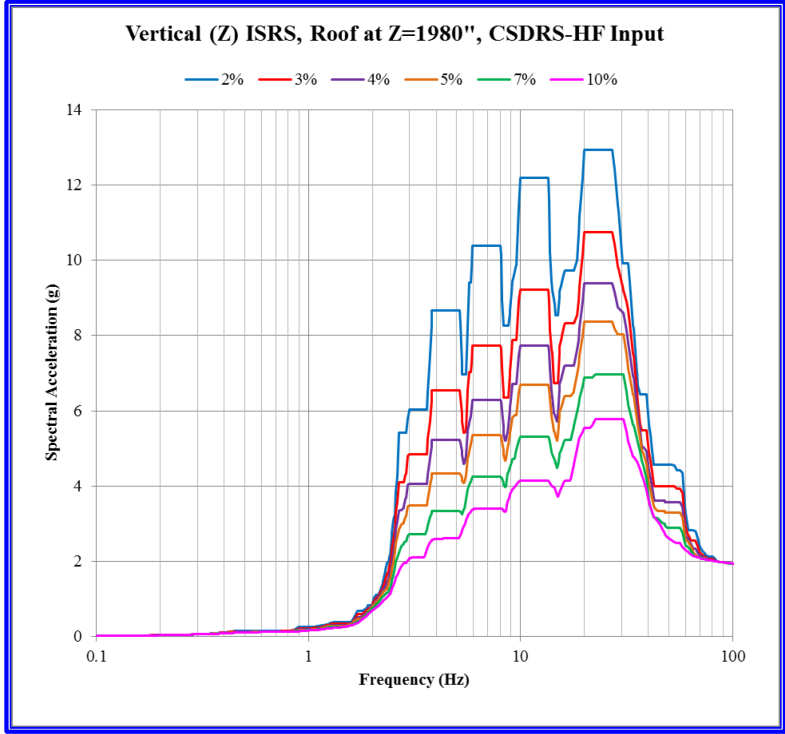
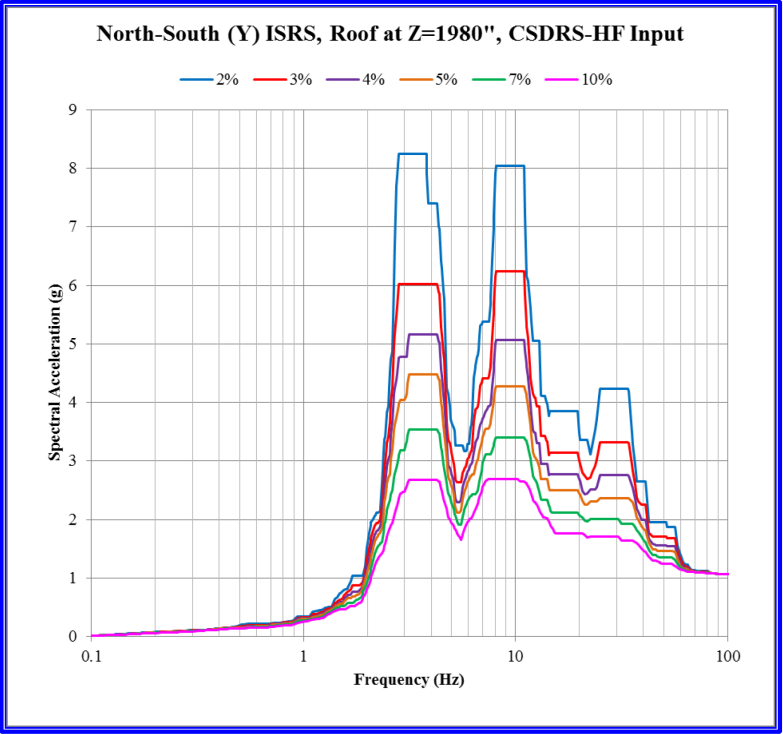
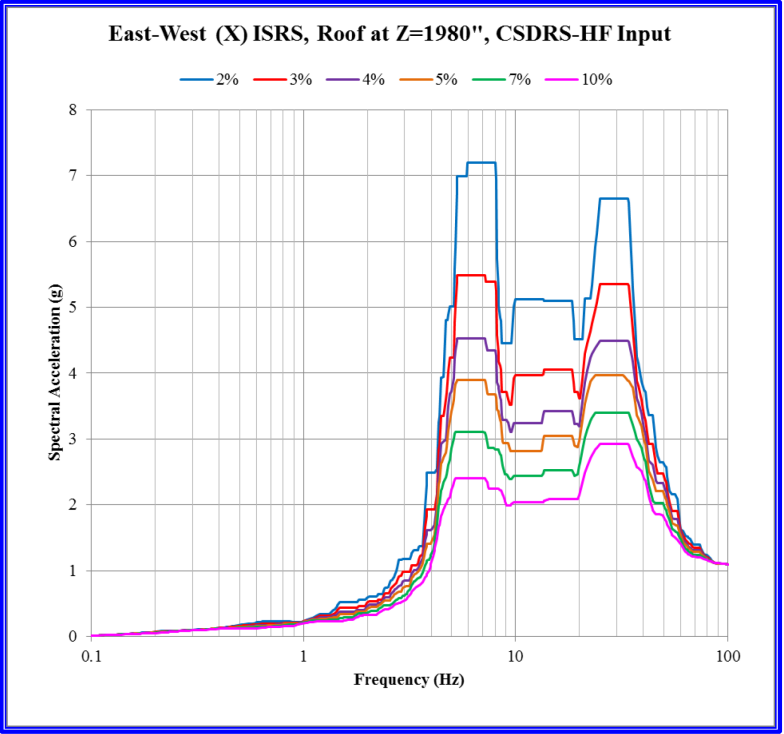
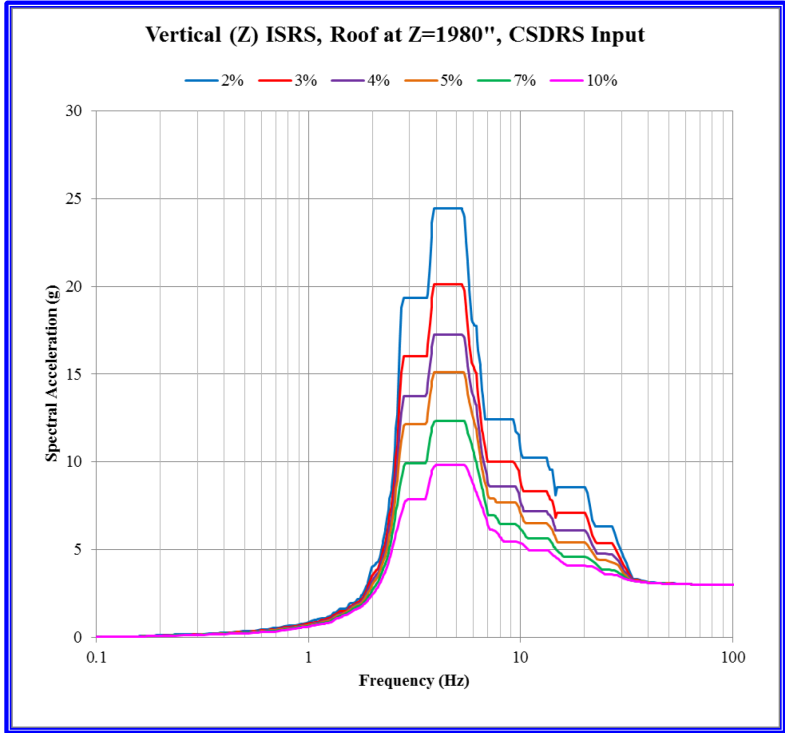
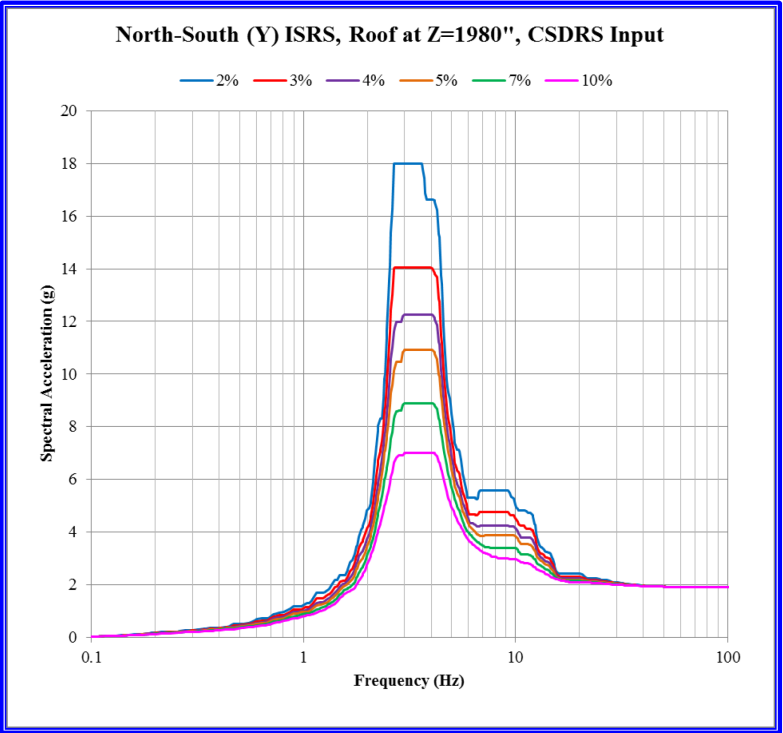
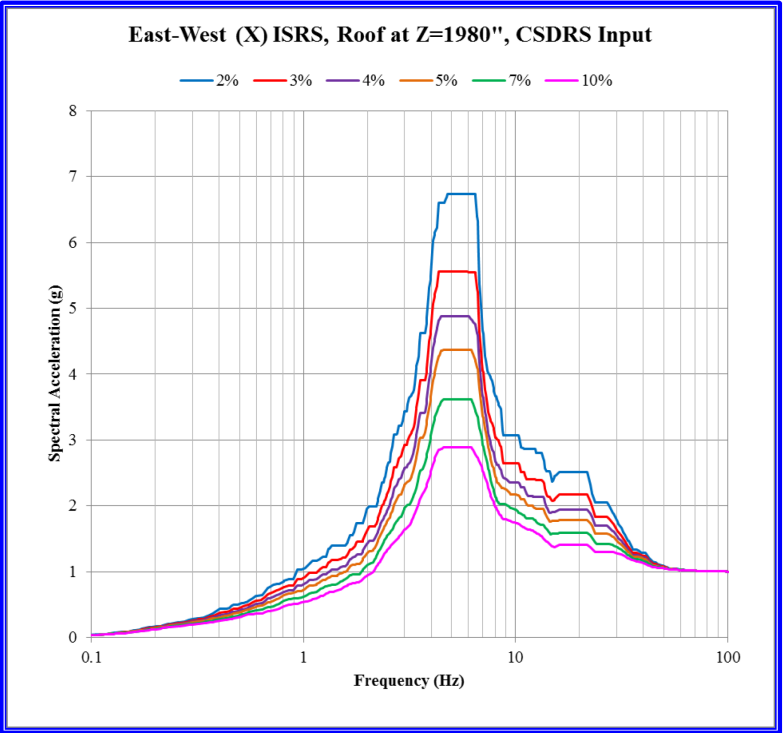


Figure 3.7.2-114: ISRS at Reactor Building Crane Wheels at El. 145' 6"

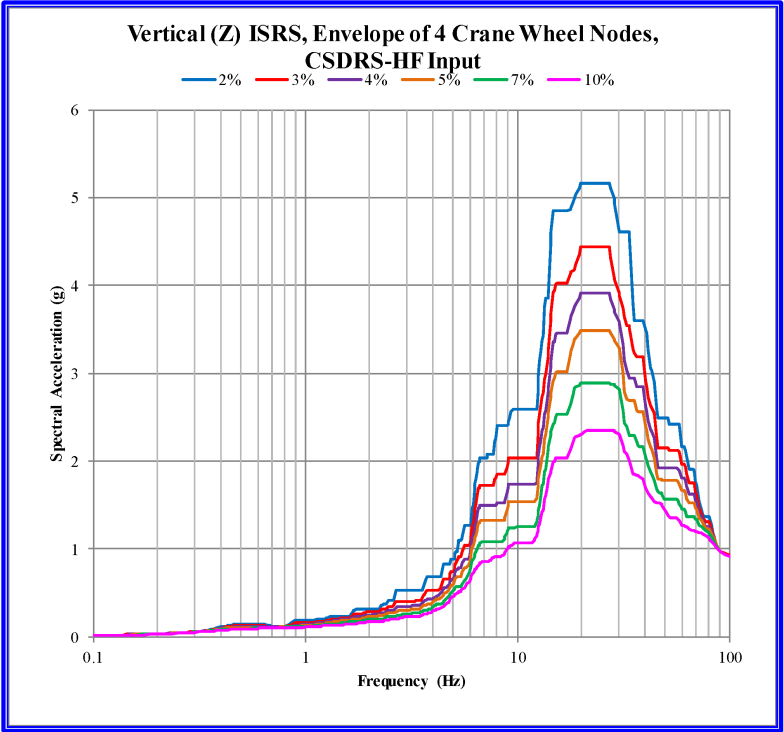
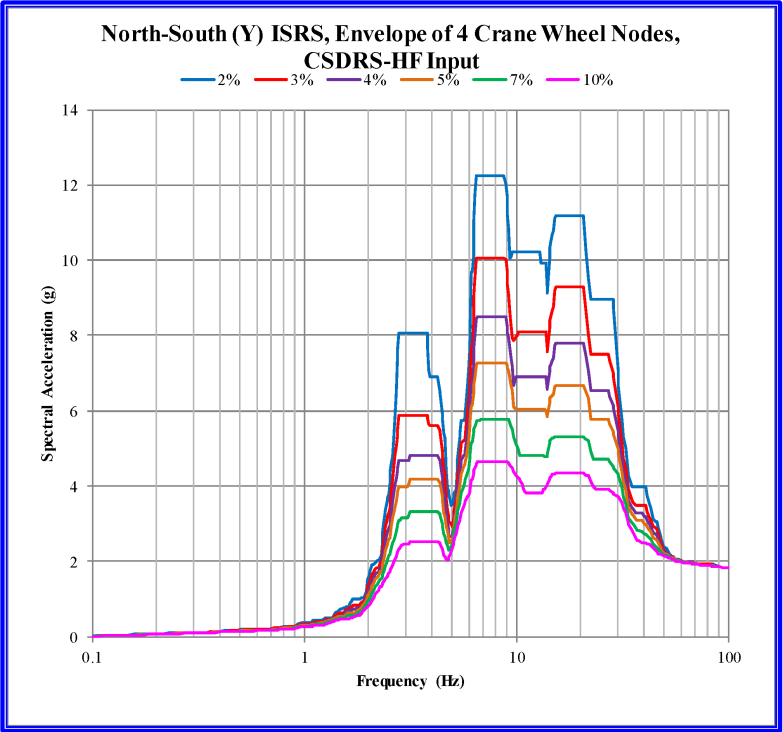
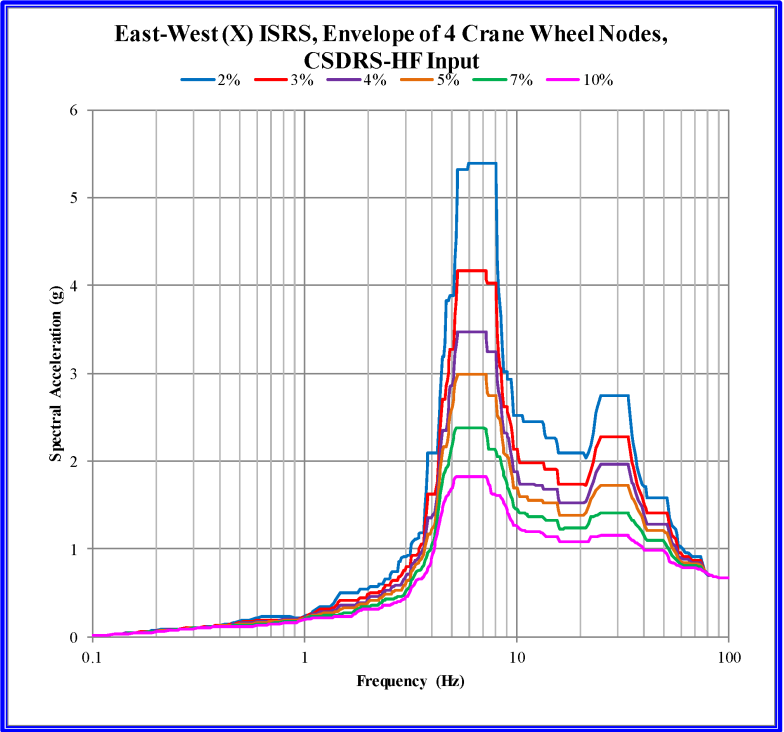
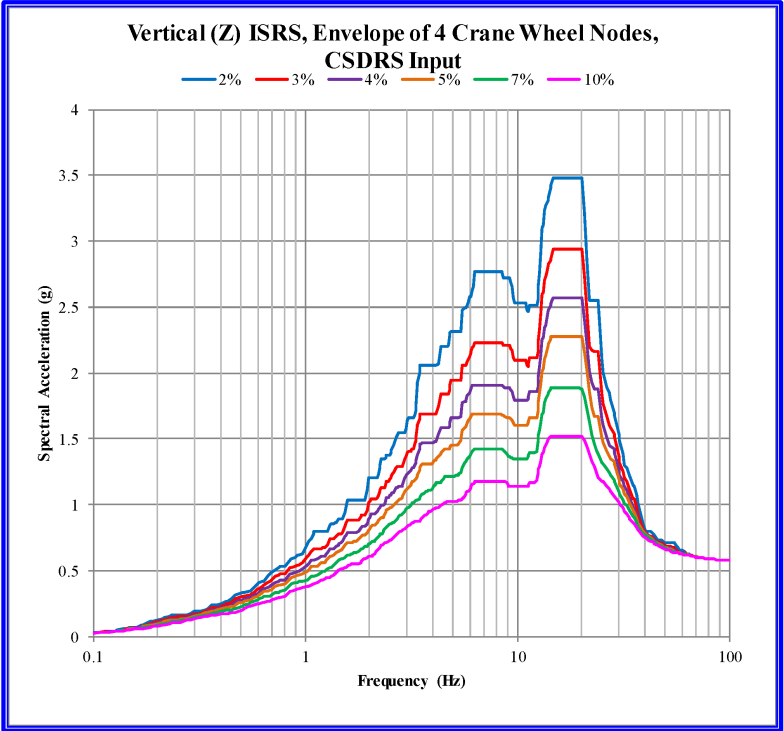
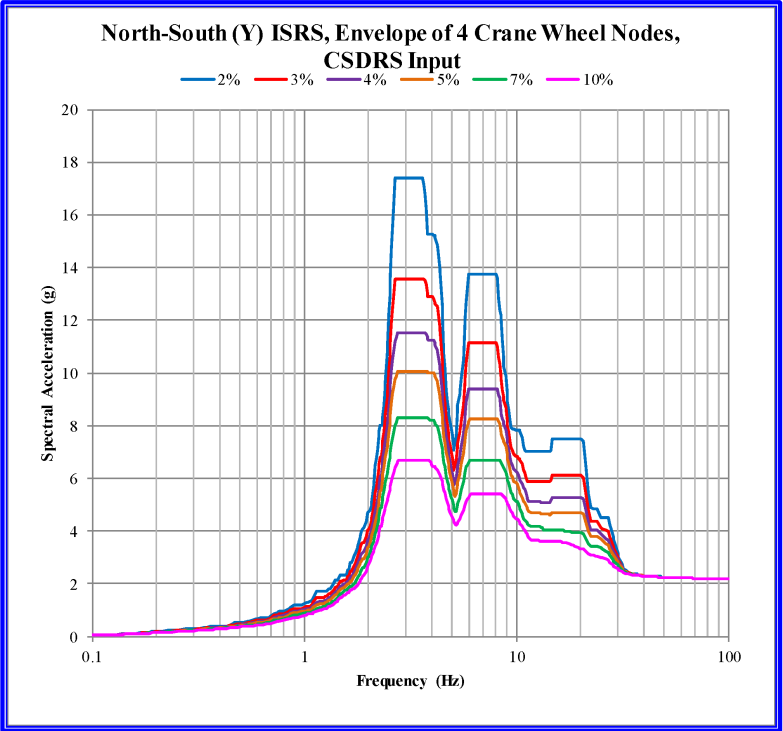
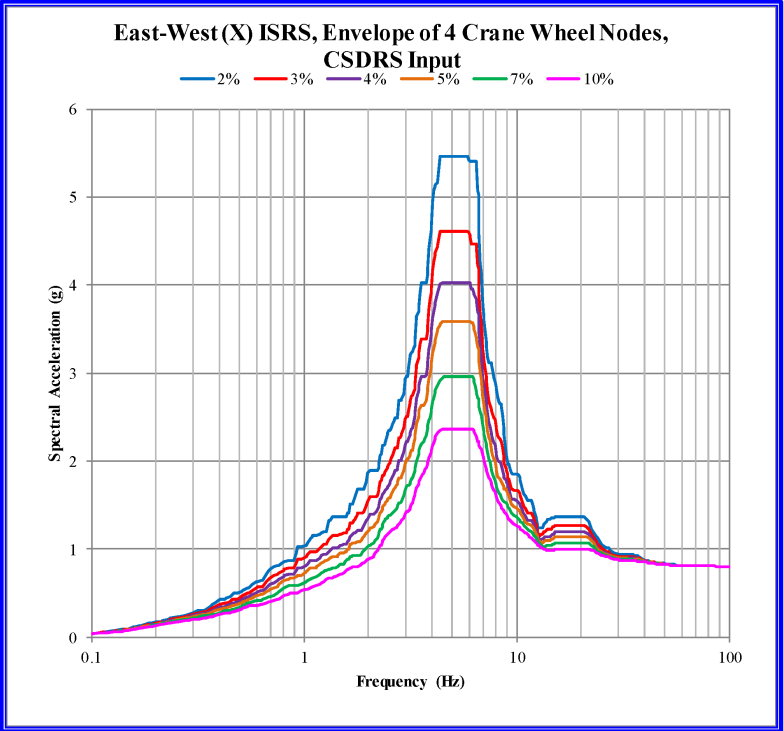


Figure 3.7.2-115: ISRS at NPM Bay Wall at the Pool Floor

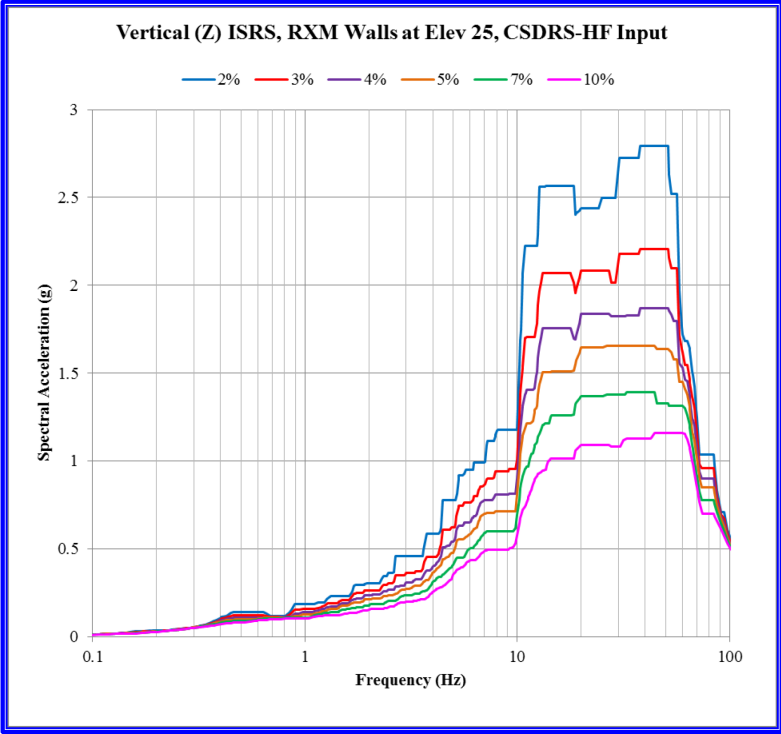
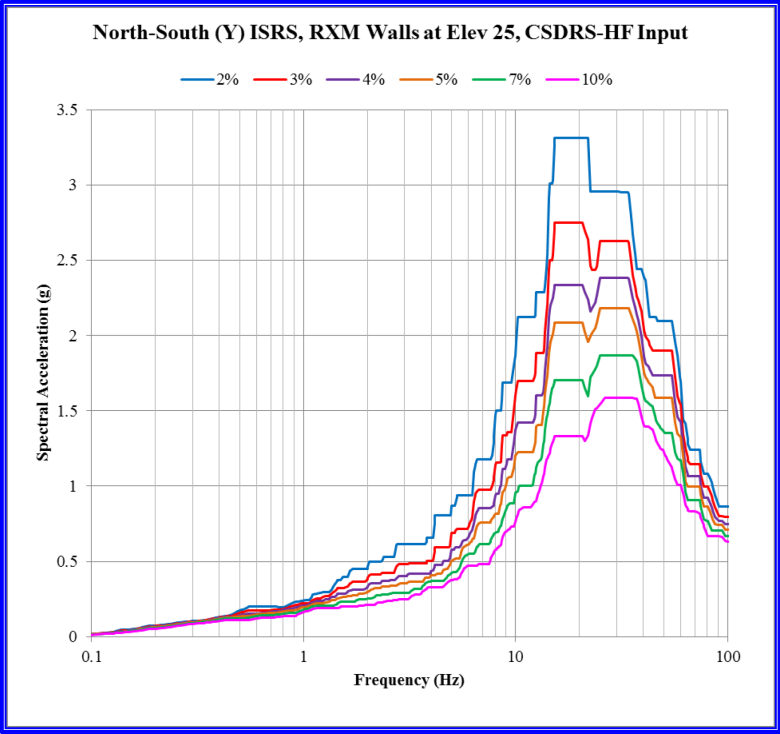
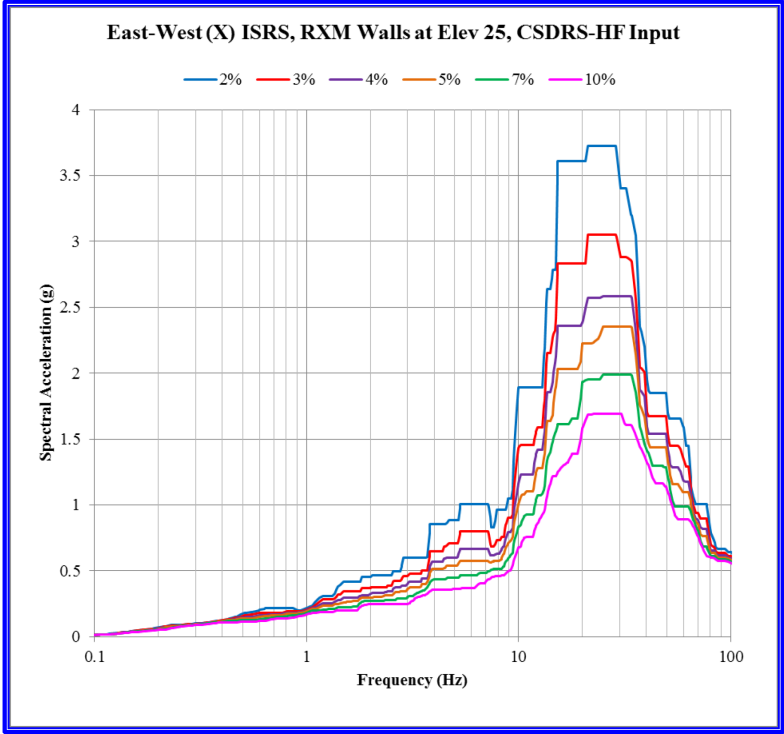
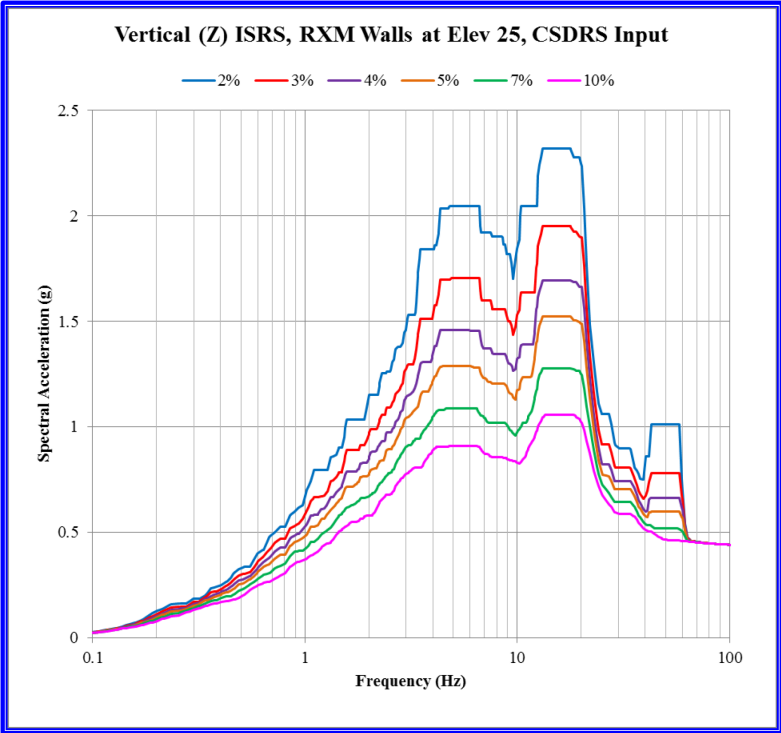
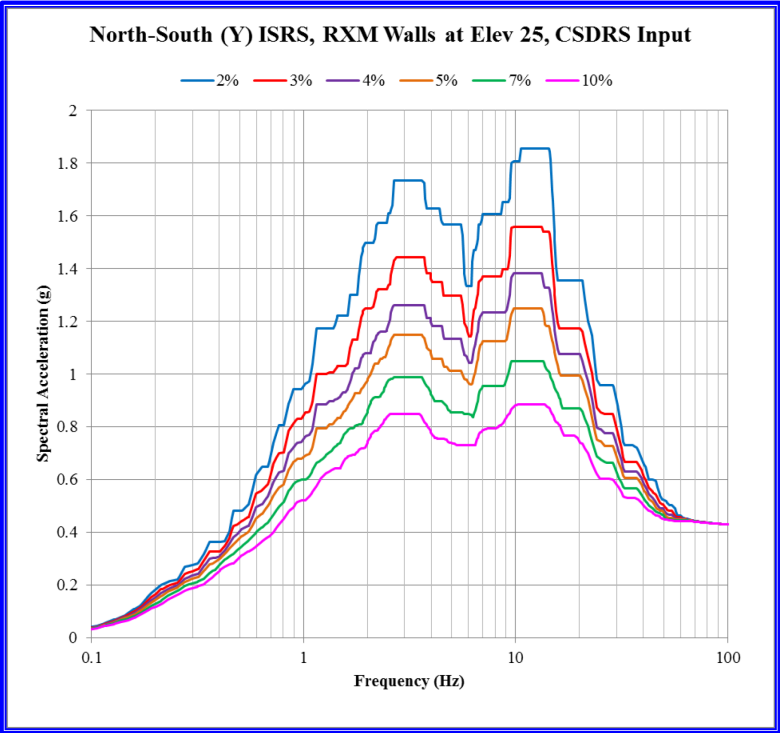
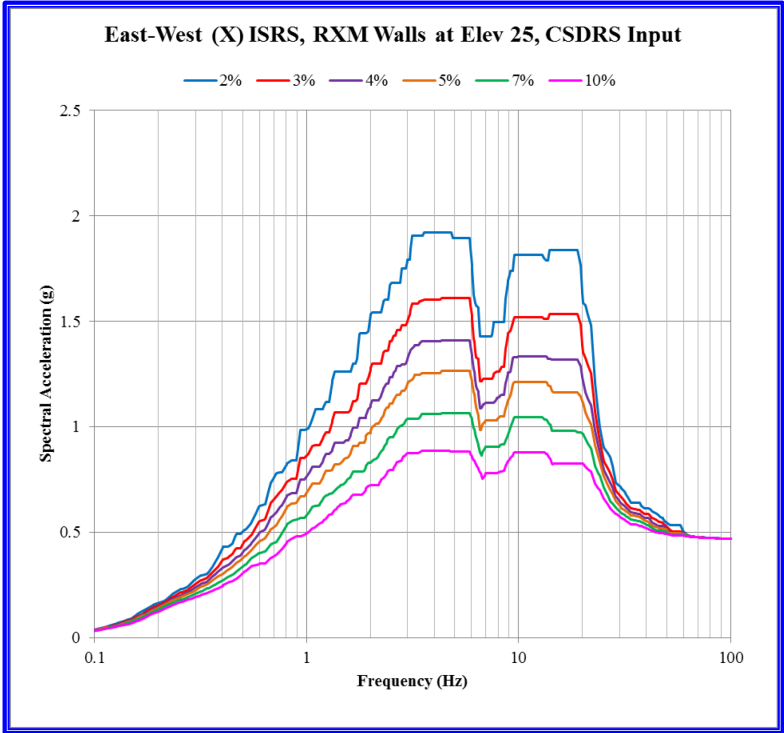


Figure 3.7.2-116: ISRS at NPM Lug Restraints

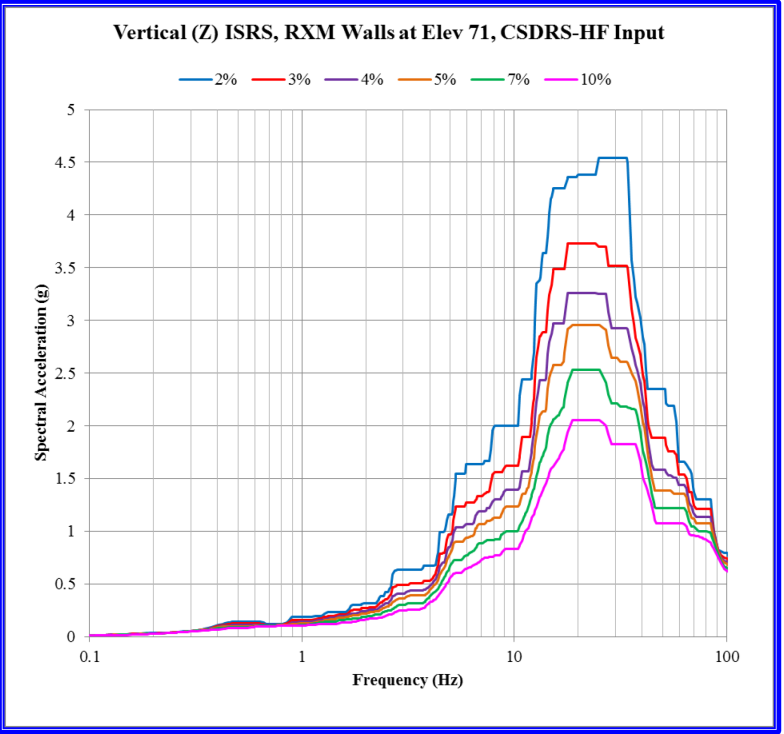
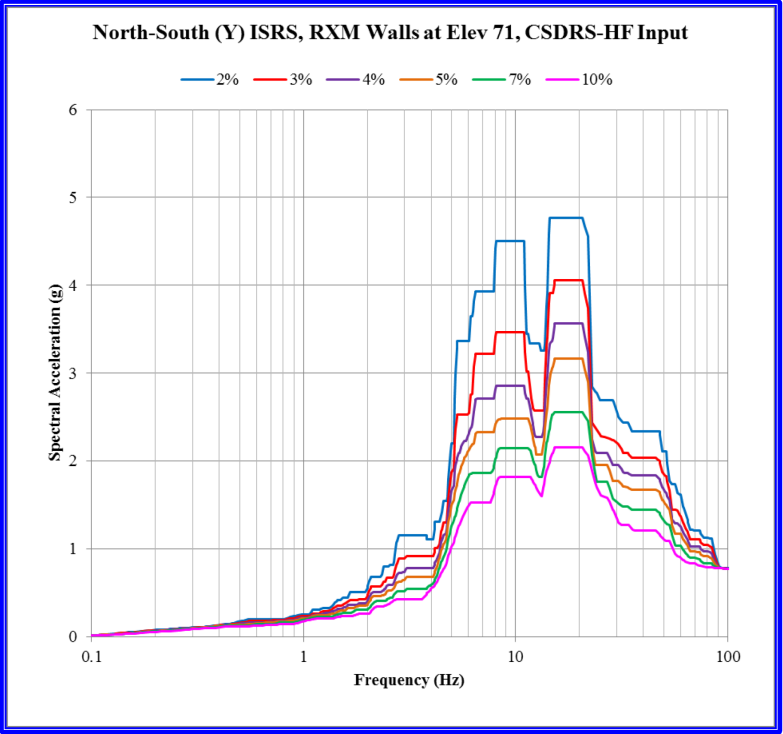
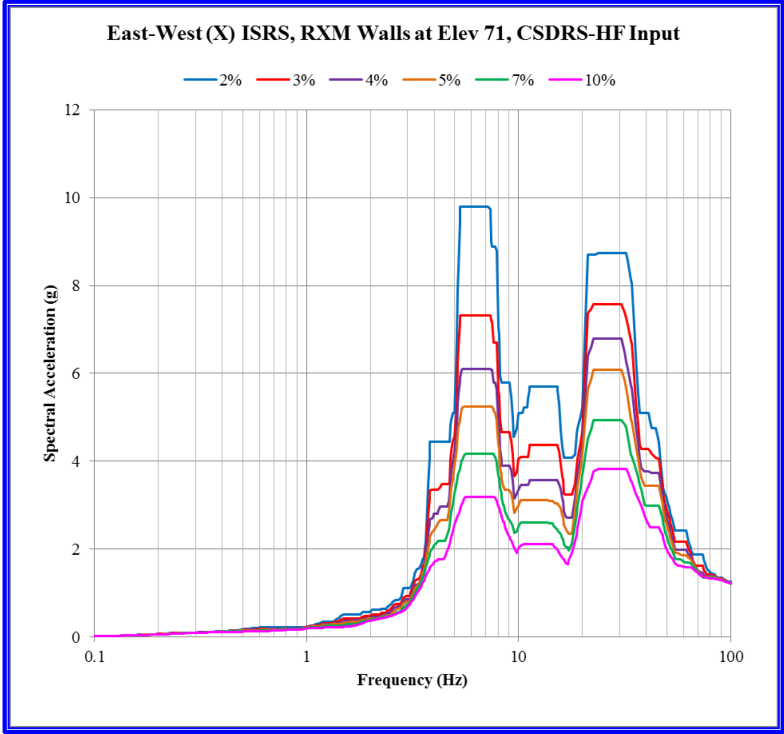
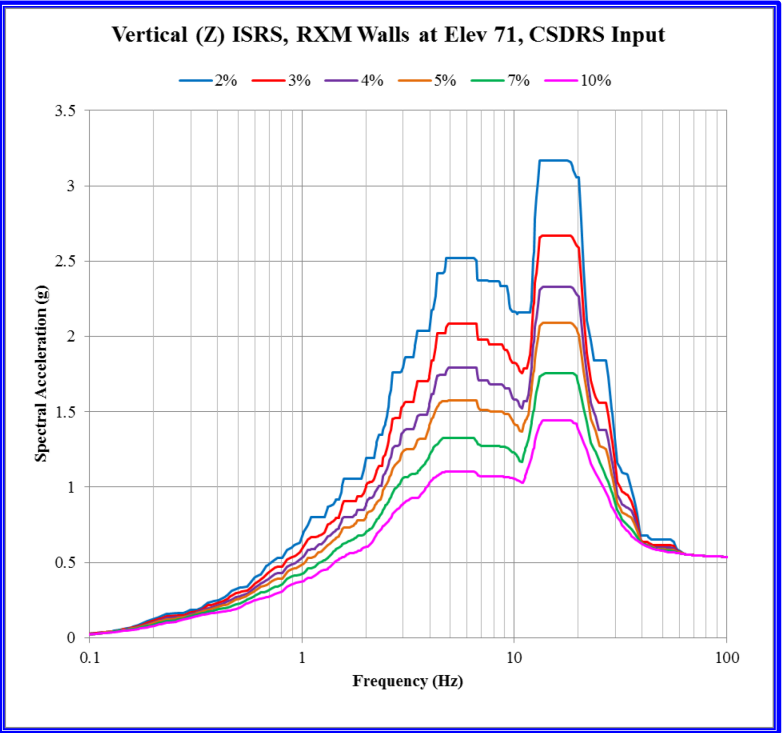
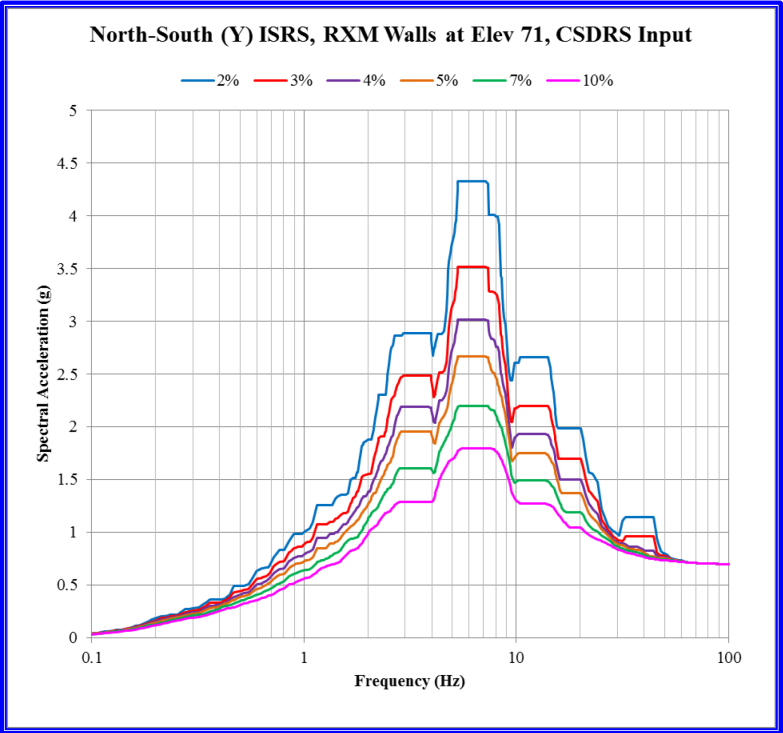
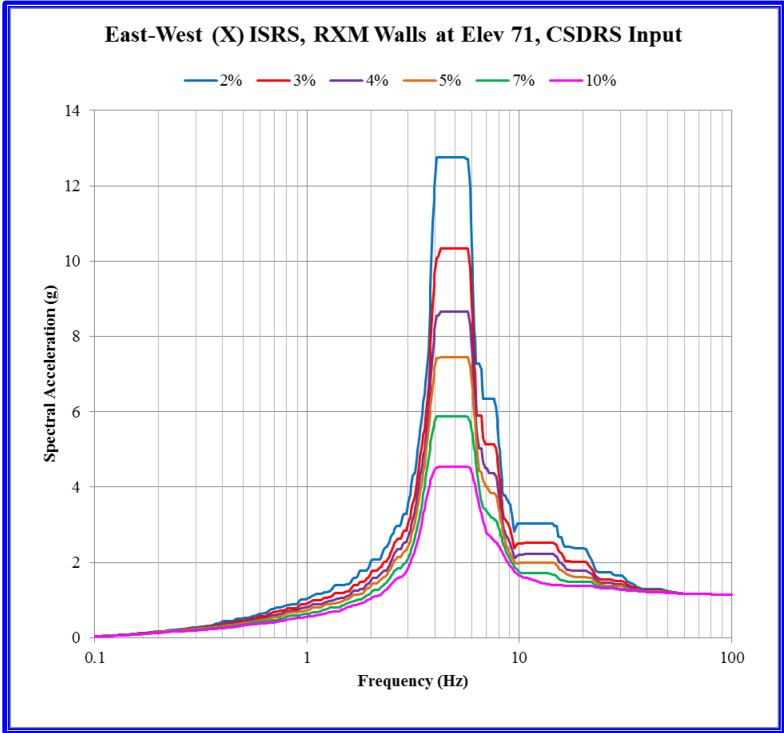


Figure 3.7.2-117: Control Building ISRS at Floor at El. 50' 0"

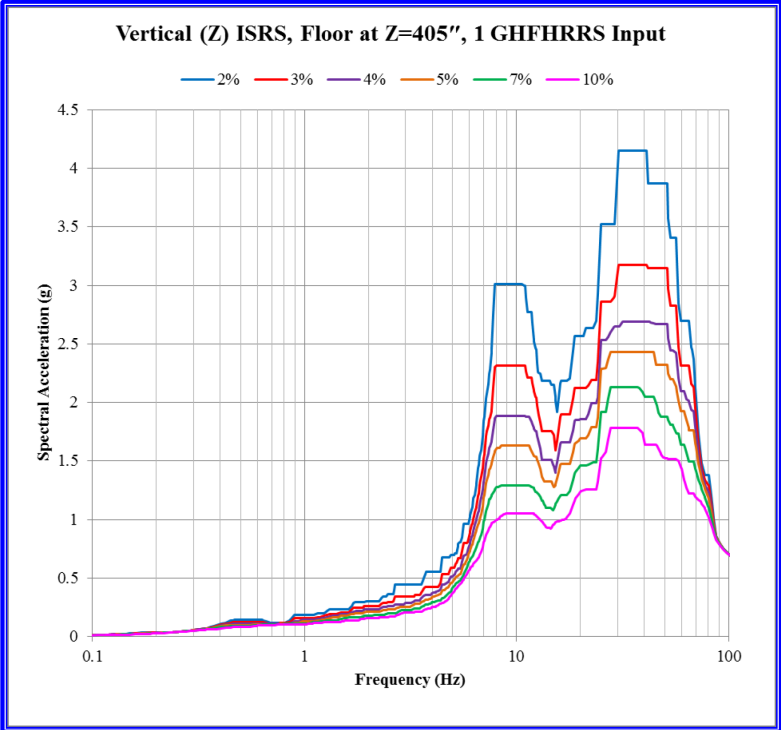
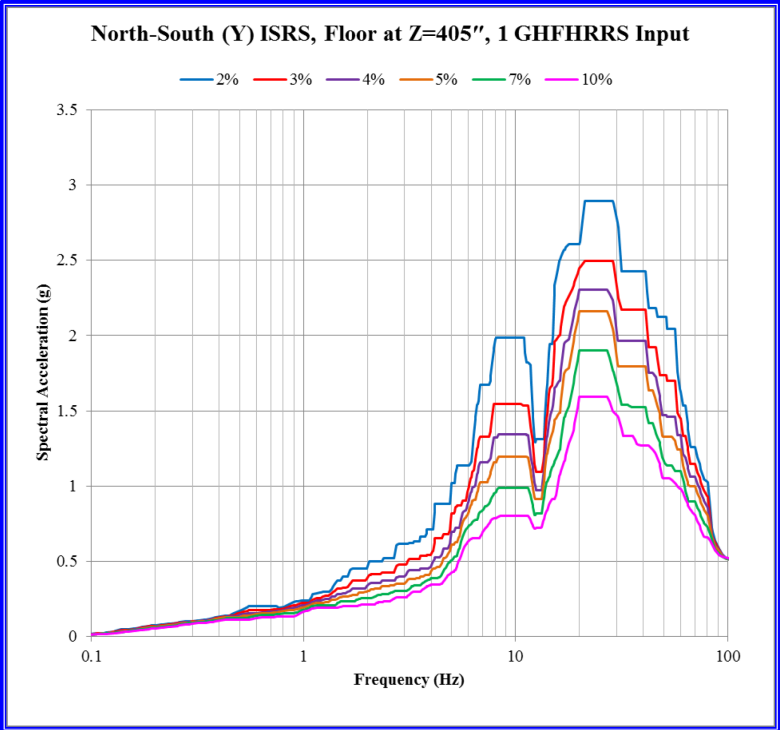
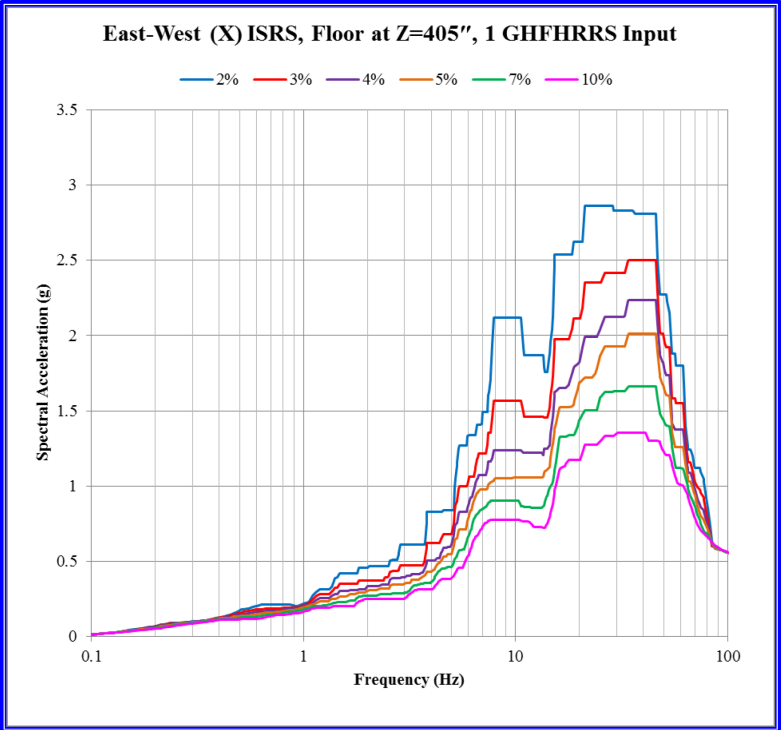
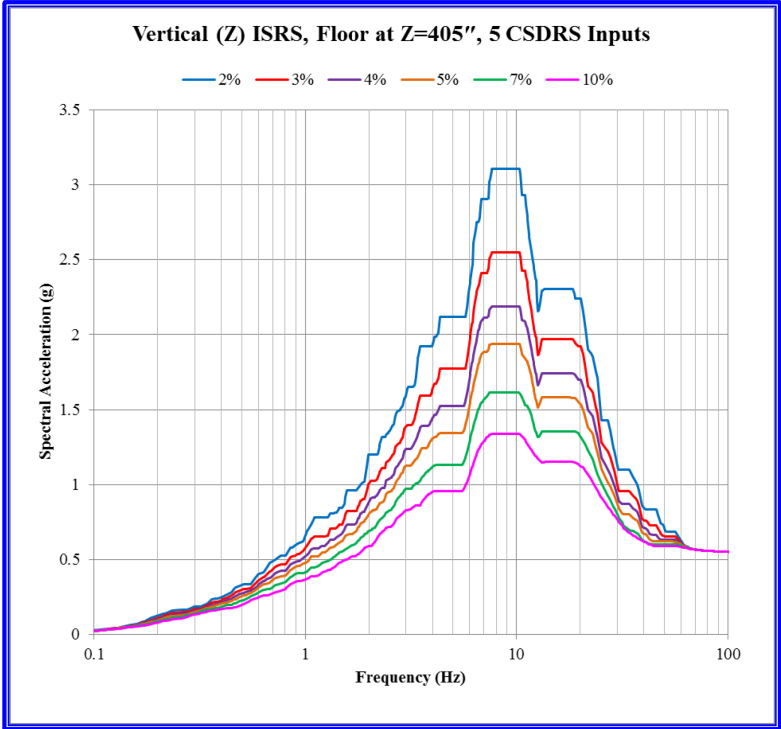
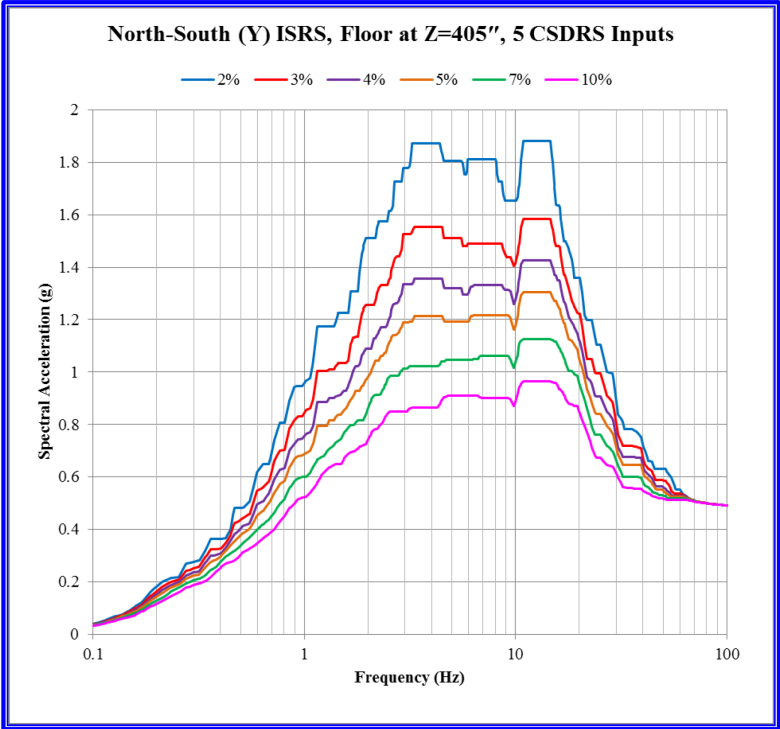
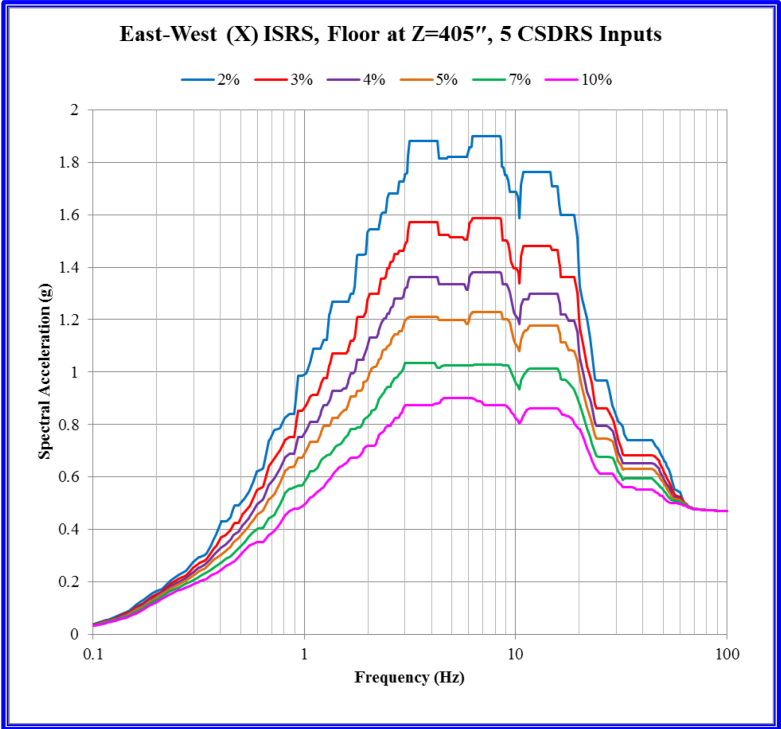


Figure 3.7.2-118: Control Building ISRS at Floor at El. 63' 3"

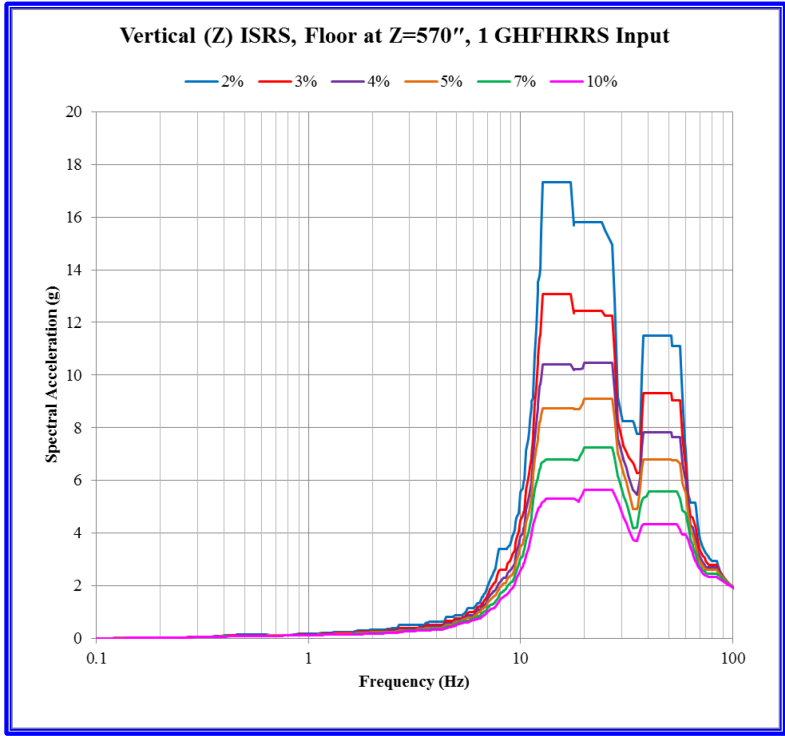
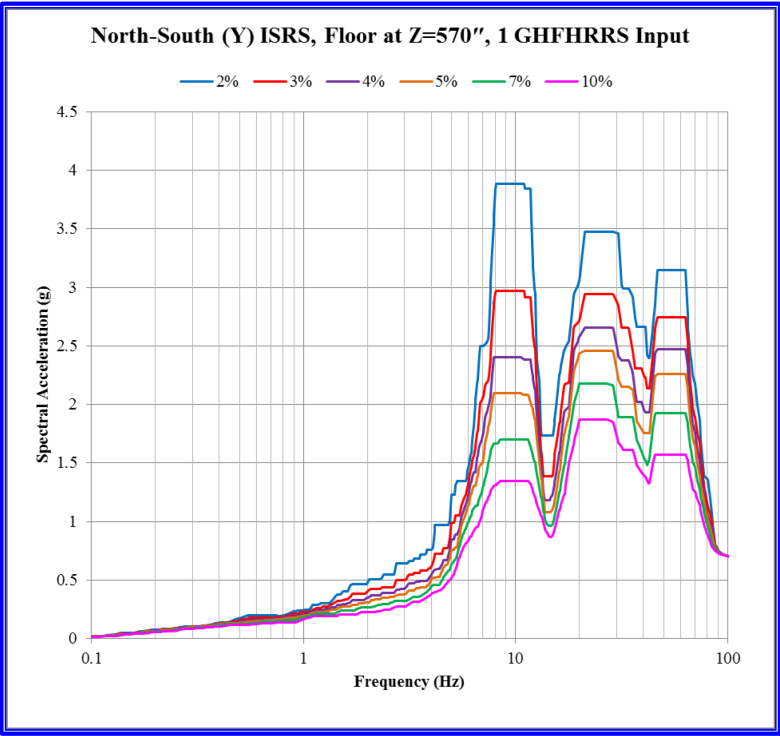
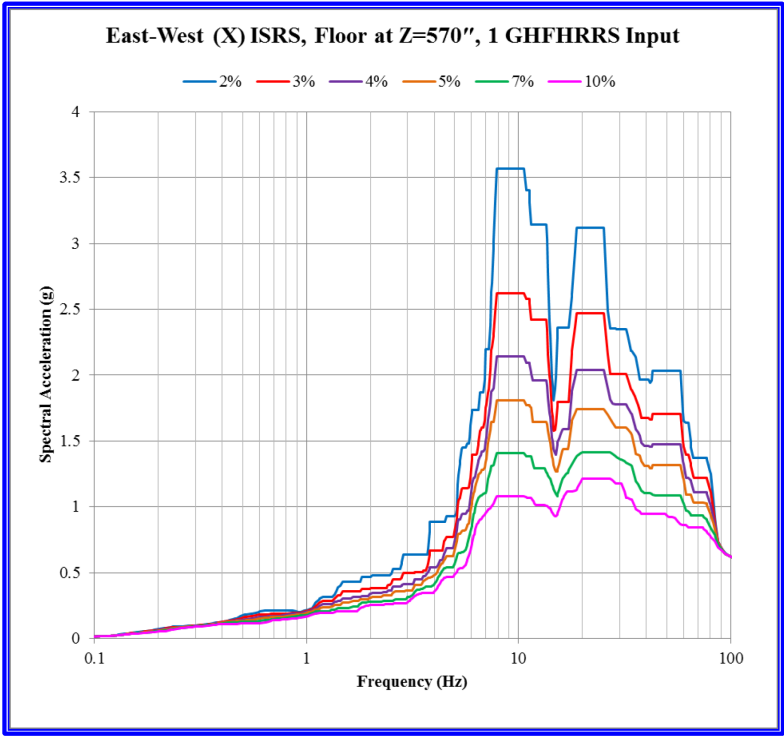
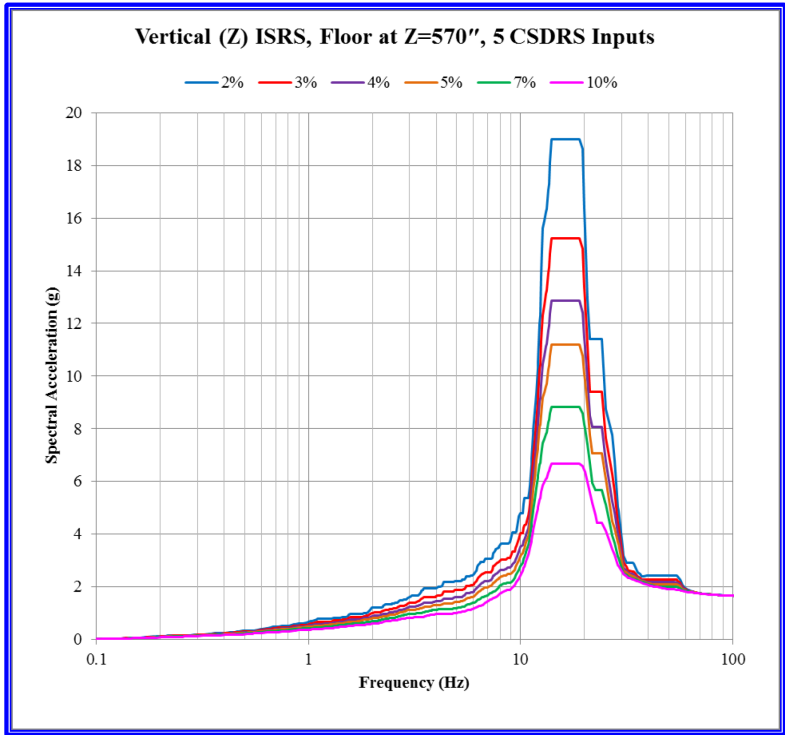
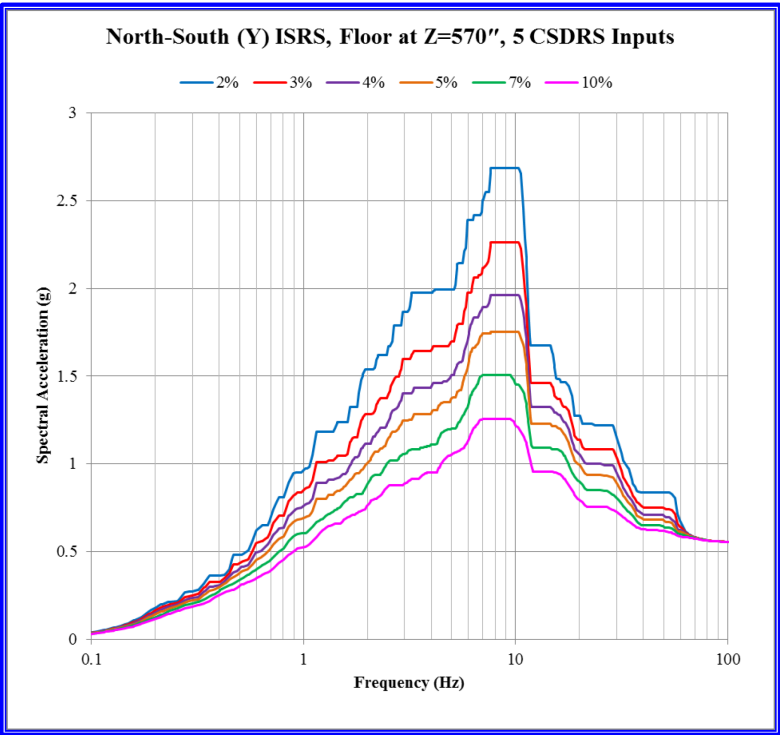
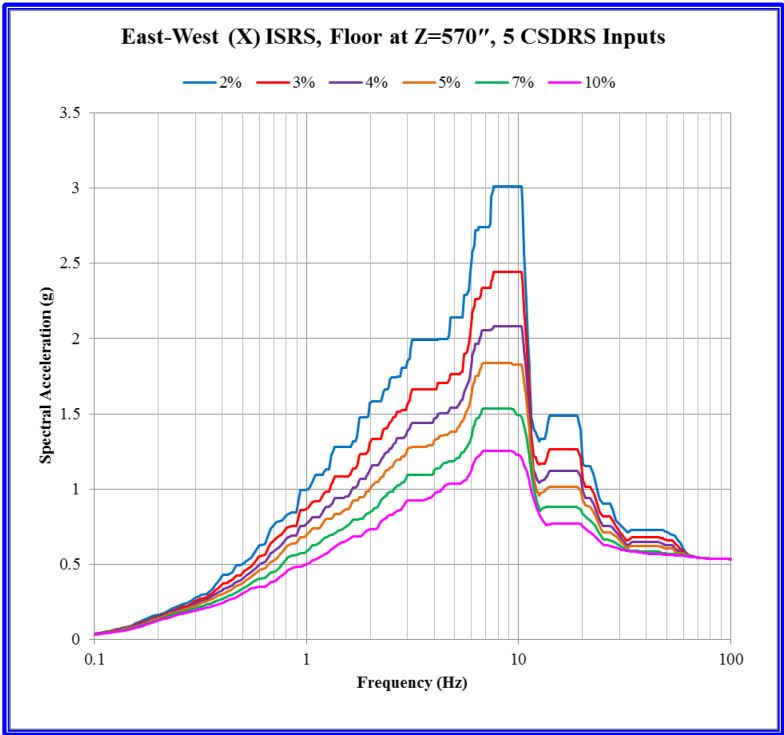


Figure 3.7.2-119: Control Building ISRS at Floor at El. 76' 6"

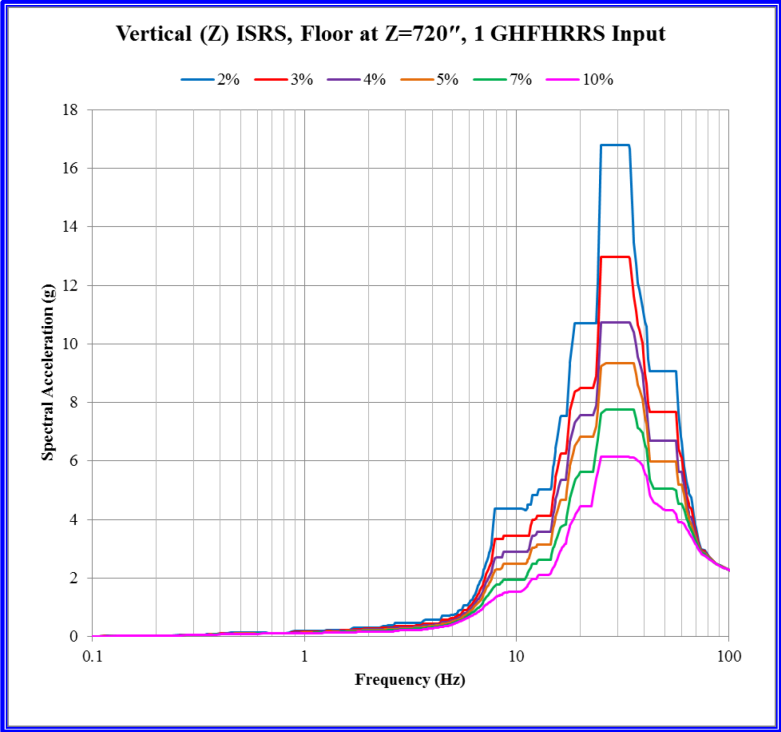
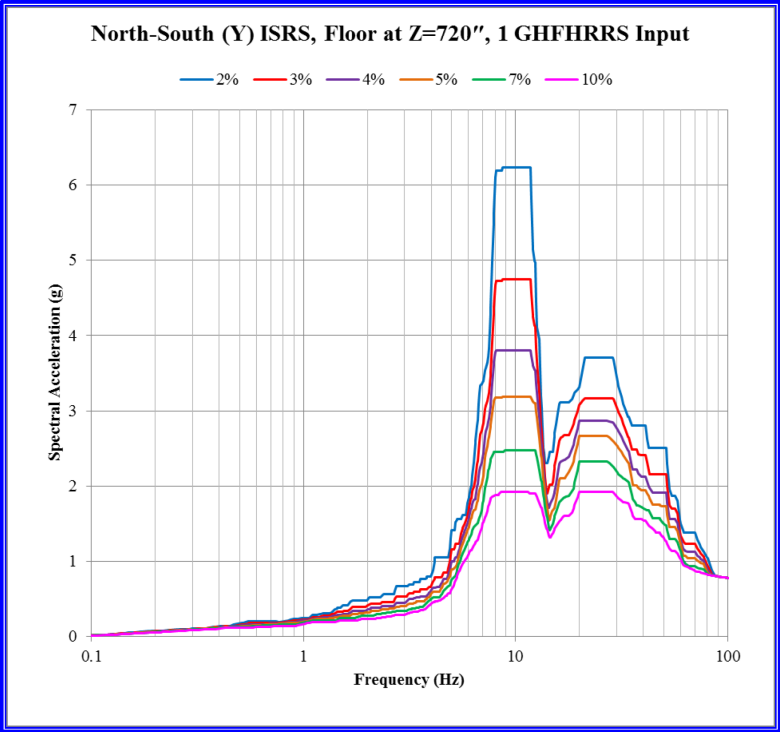
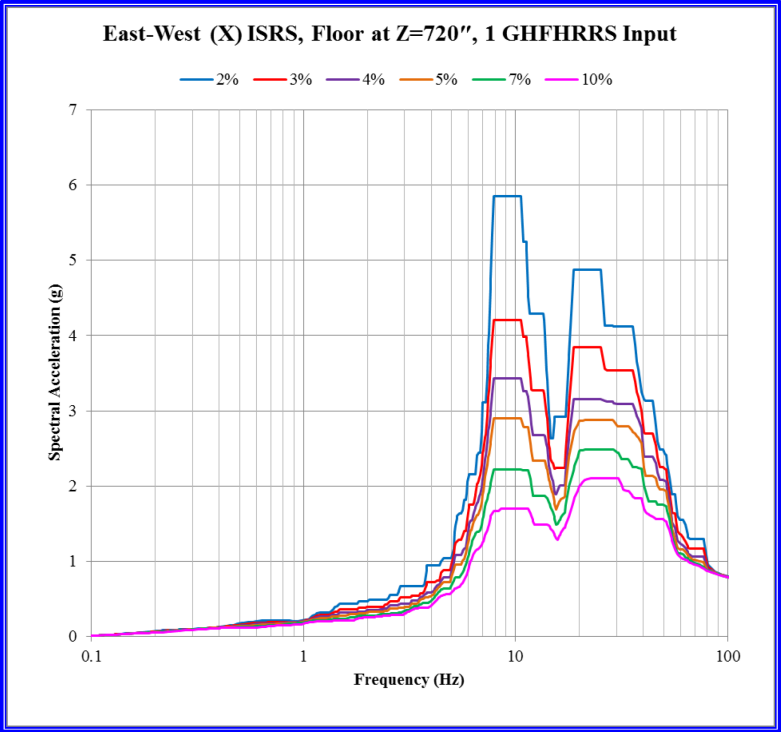
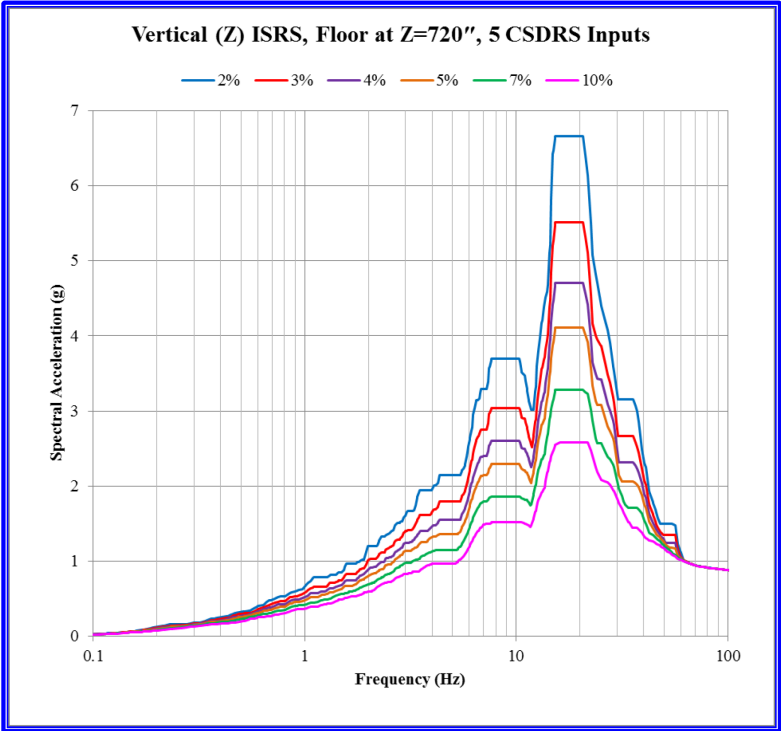
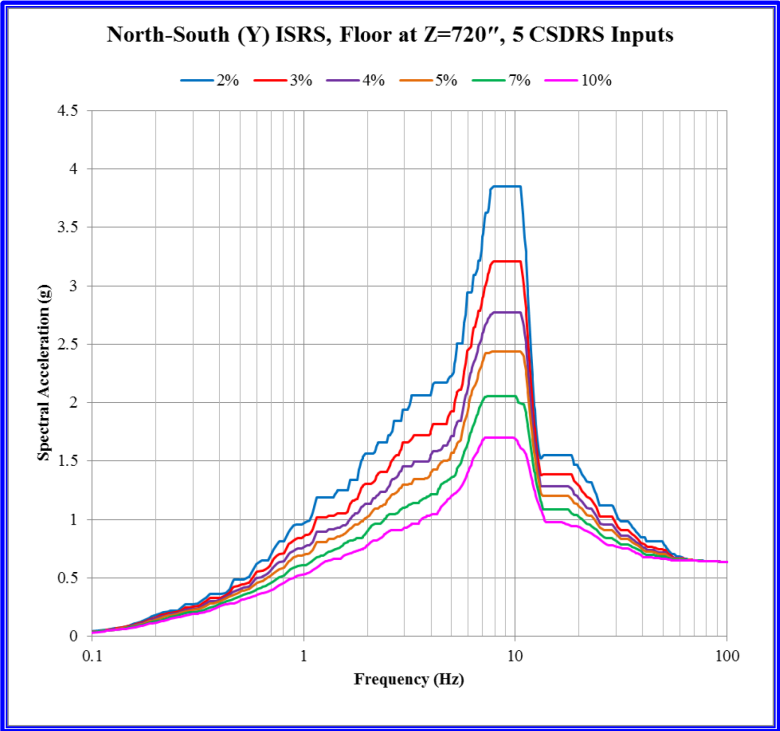
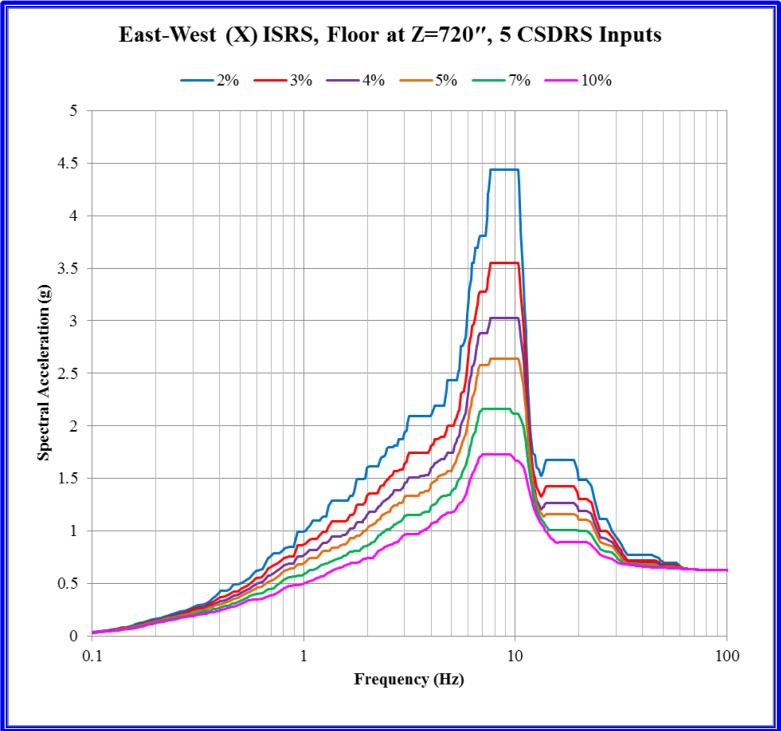


Figure 3.7.2-120: Control Building ISRS at Floor at El. 100' 0"

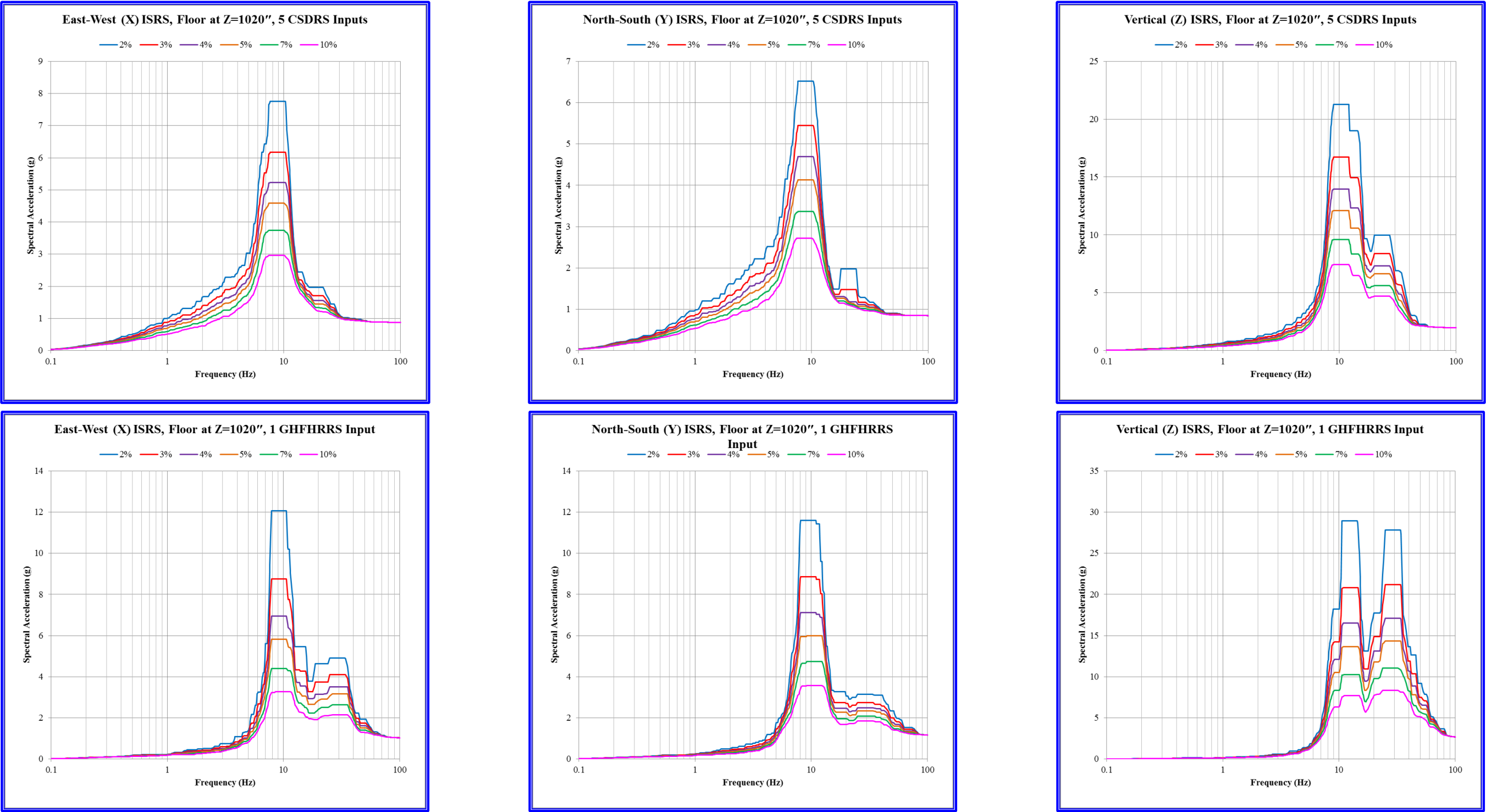


Figure 3.7.2-121: Control Building ISRS at Floor at El. 120' 0"

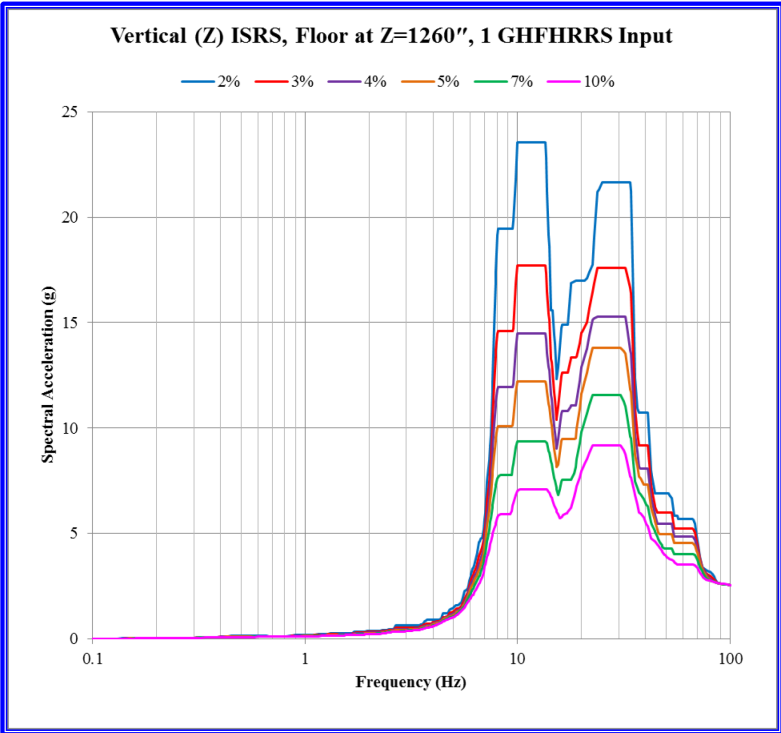
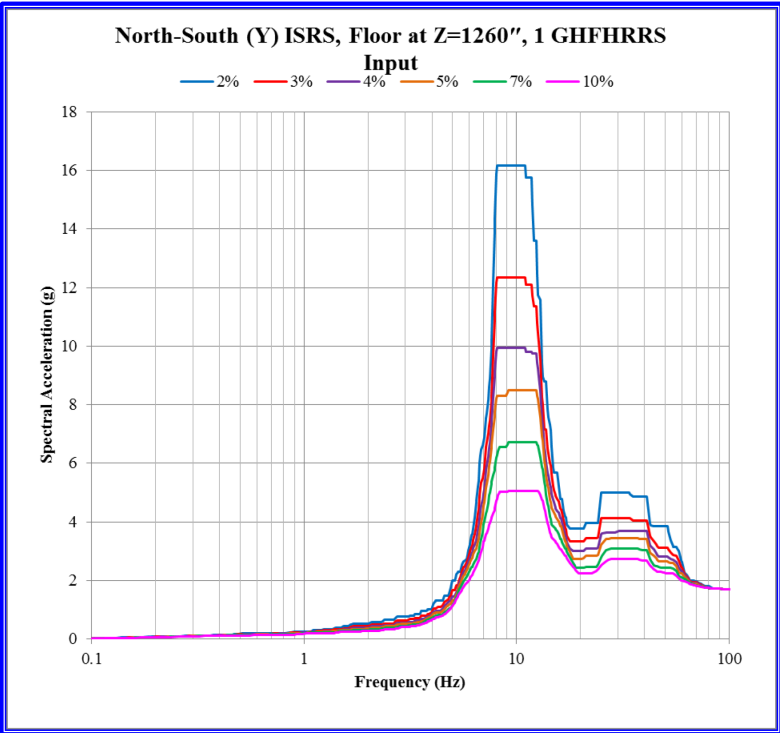
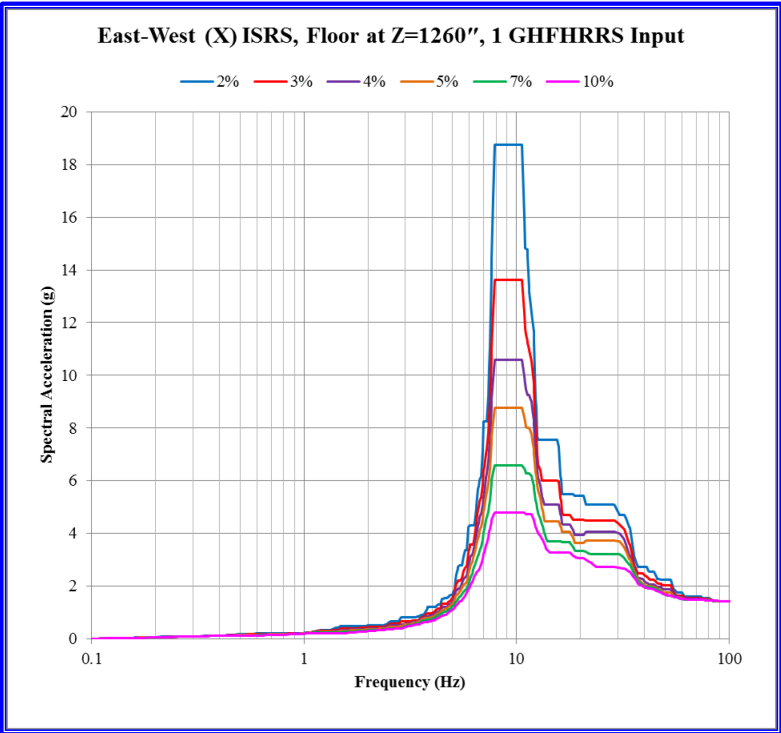
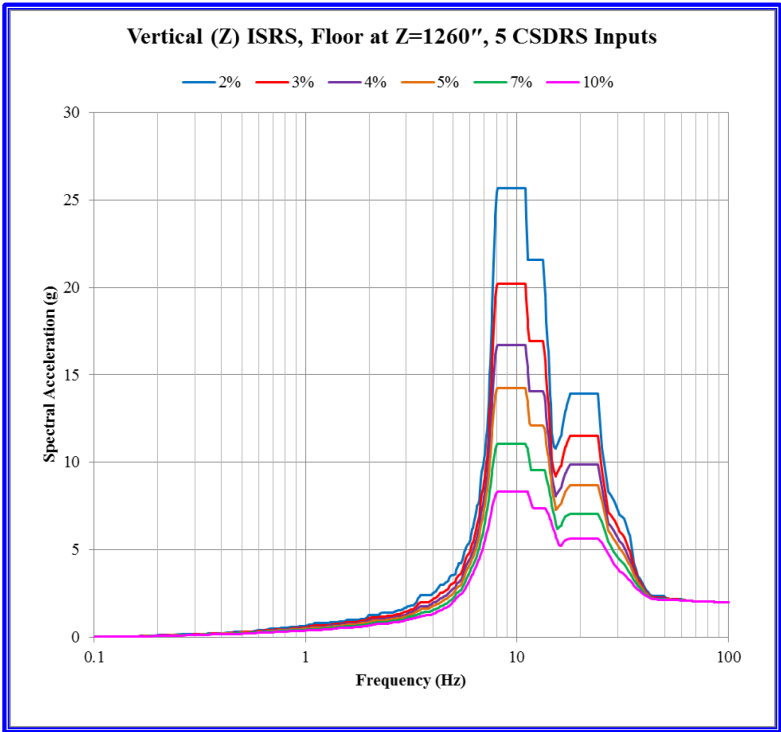
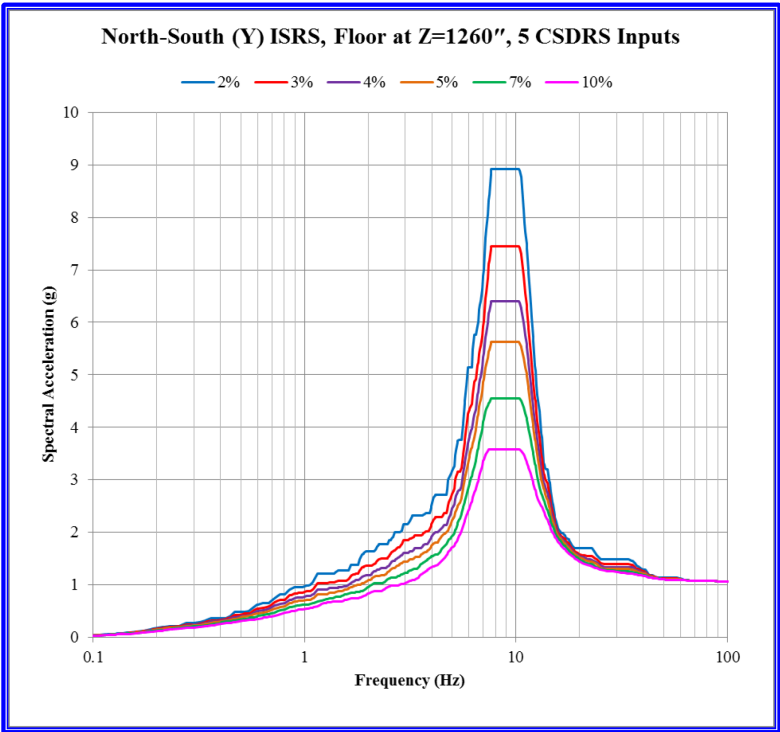
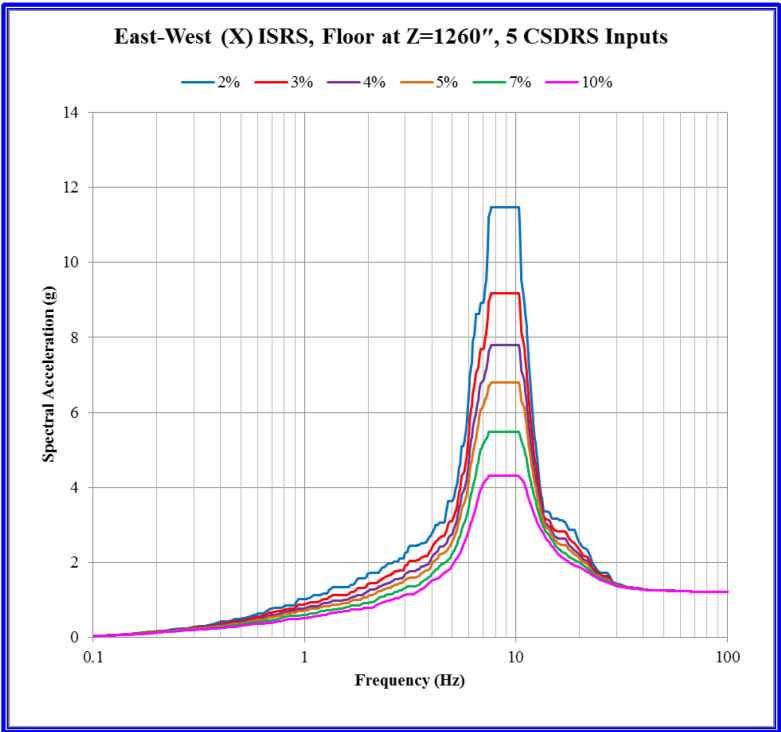


Figure 3.7.2-122: Control Building ISRS at Roof at El. 140' 0"

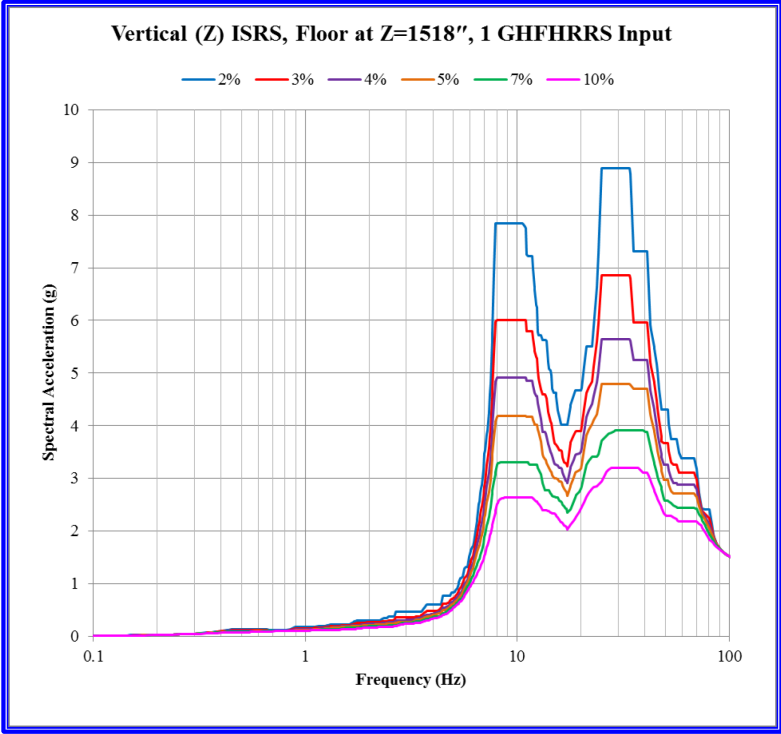
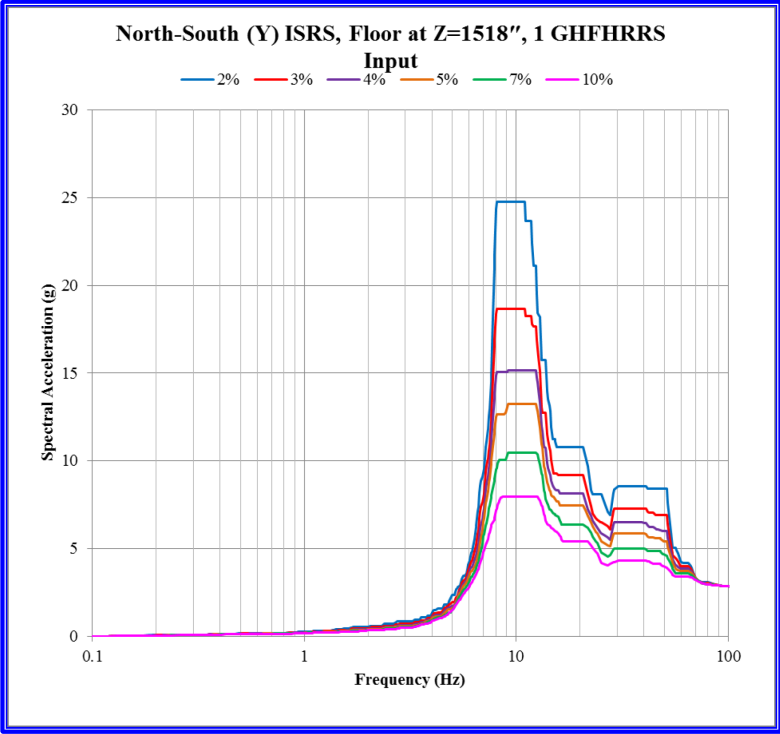
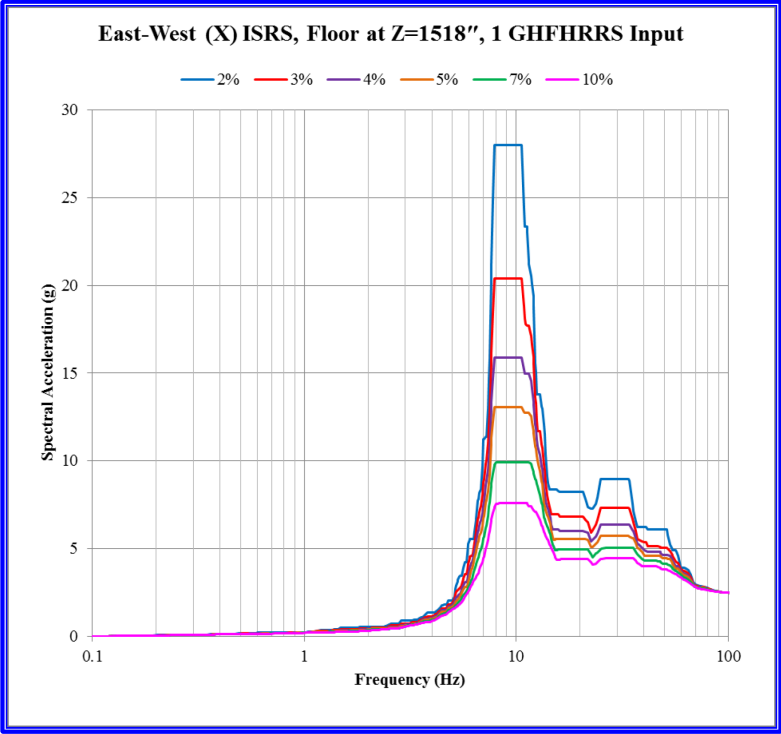
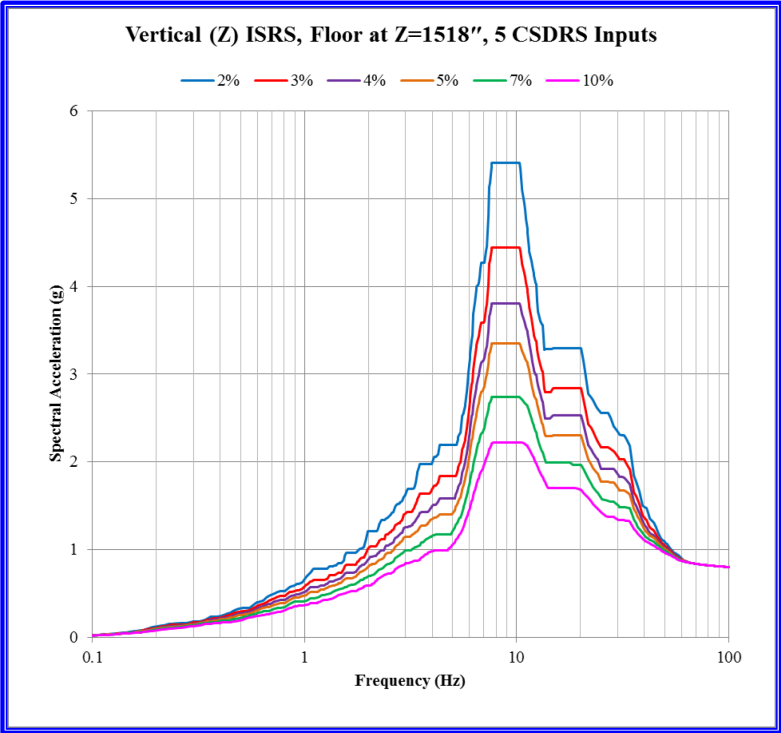
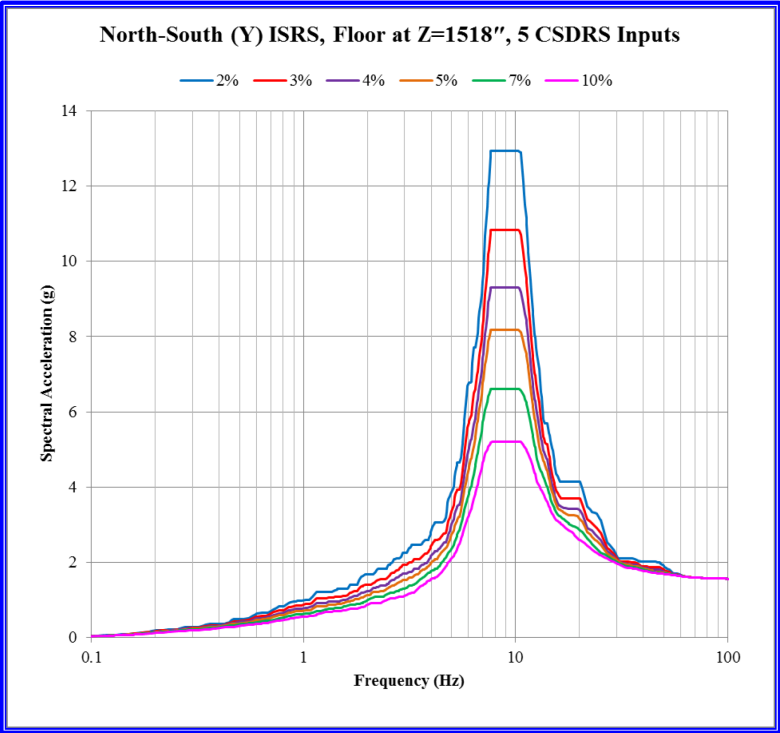
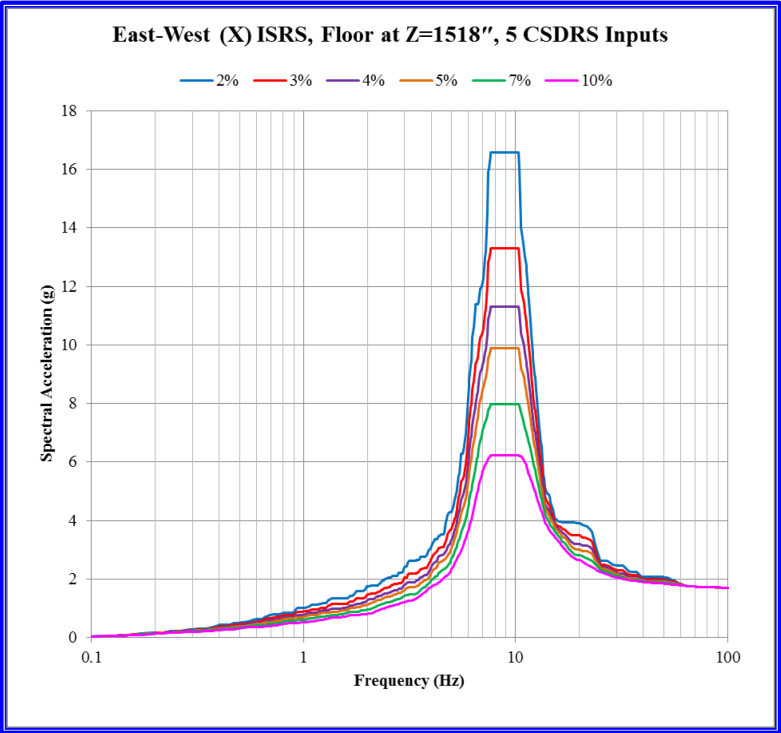


Figure 3.7.2-123: Comparison of 12 NPM and 7 NPM Model Results at Northwest Corner on Top of Basement (EL. 24'-0")

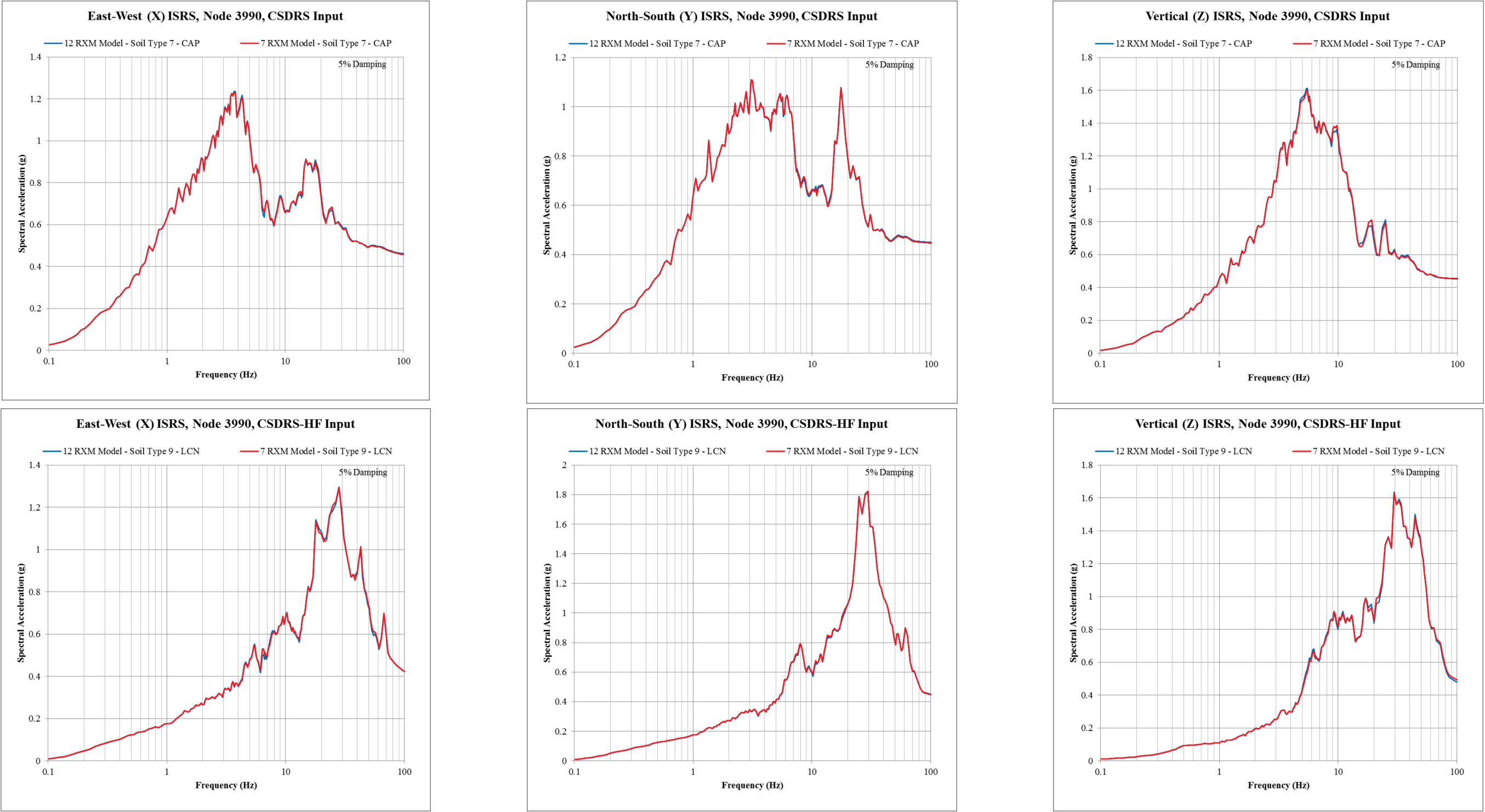


Figure 3.7.2-124: Comparison of 12 NPM and 7 NPM Model Results at Mid-Span of North Wall on Top of Basement (EL. 24'-0")

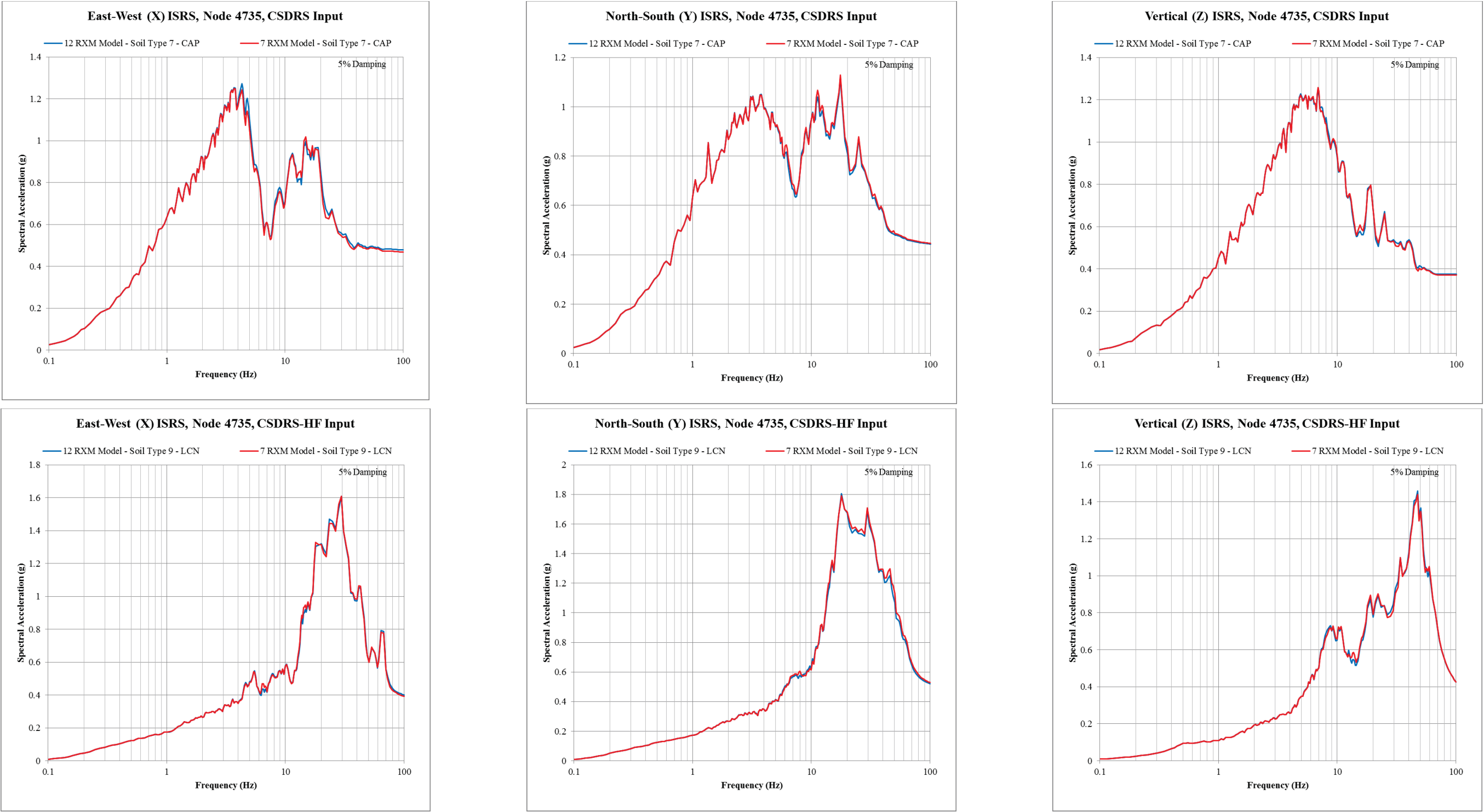


Figure 3.7.2-125: Comparison of 12 NPM and 7 NPM Model Results at Northeast Corner on Top of Basement (EL. 24'-0")

