

Figure 3.7.2-92: SASSI2010 Global Stresses at Centroid of a Solid Element

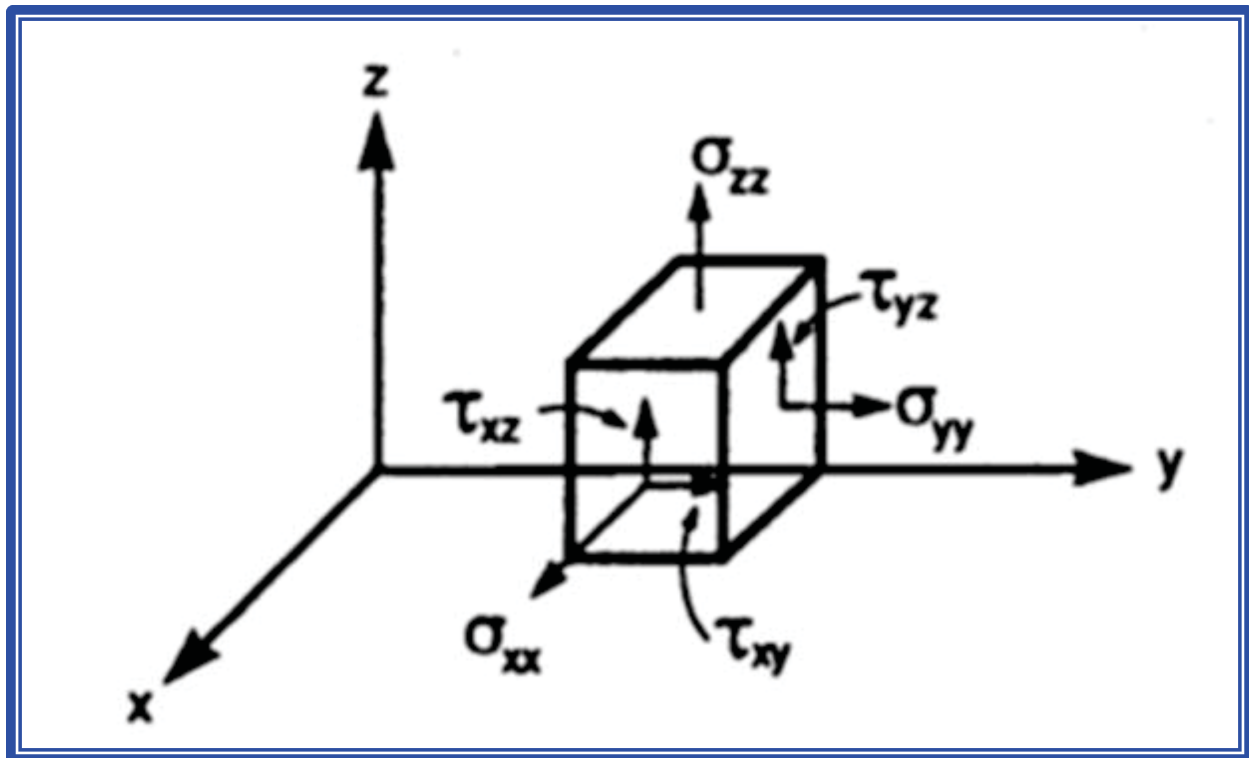


Figure 3.7.2-93: Reactor Building Locations Selected for Relative Displacement

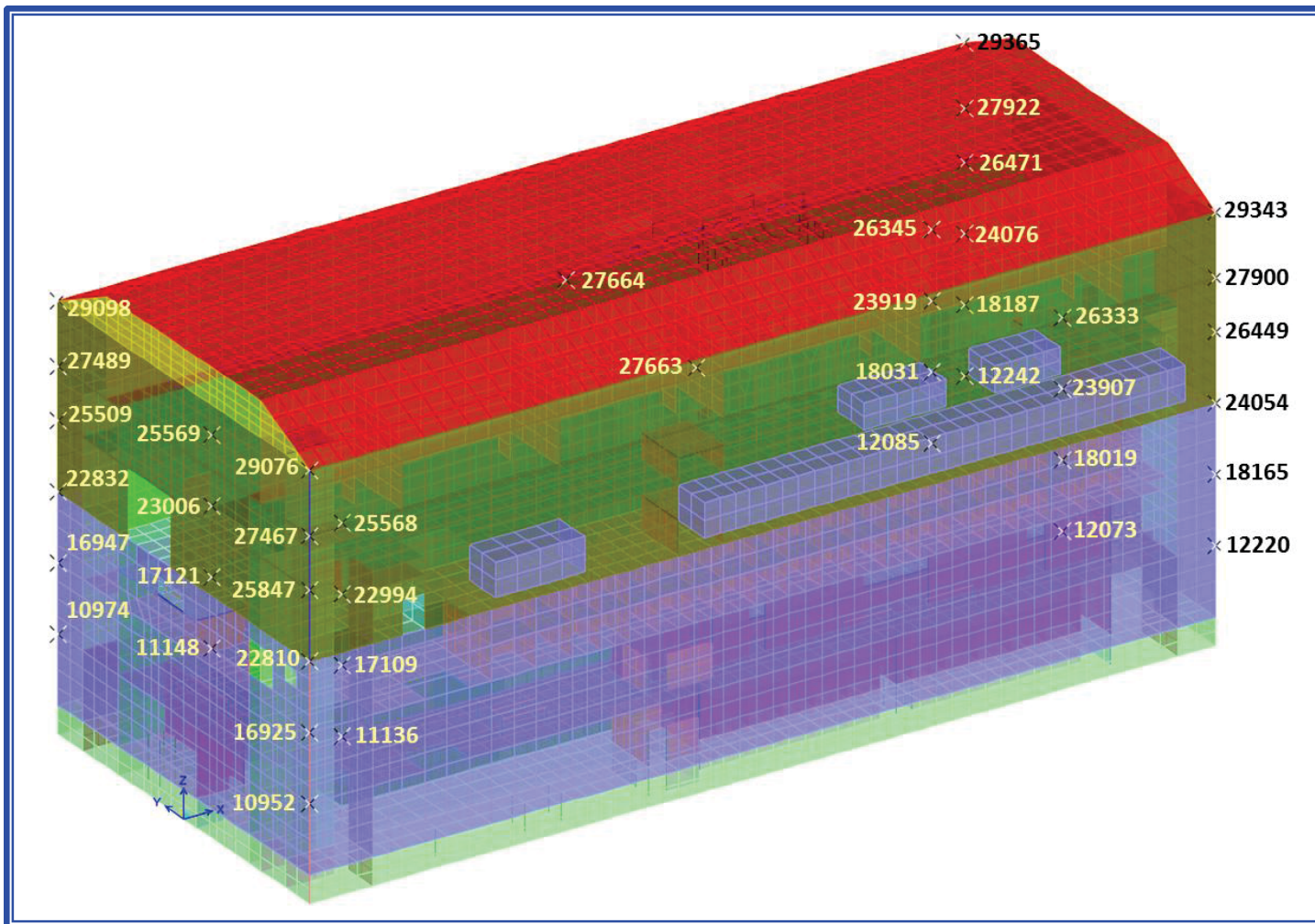


Figure 3.7.2-95: Nodes Used for ISRS for NPM Bay Walls at the Pool Floor (EL. 25' 0")

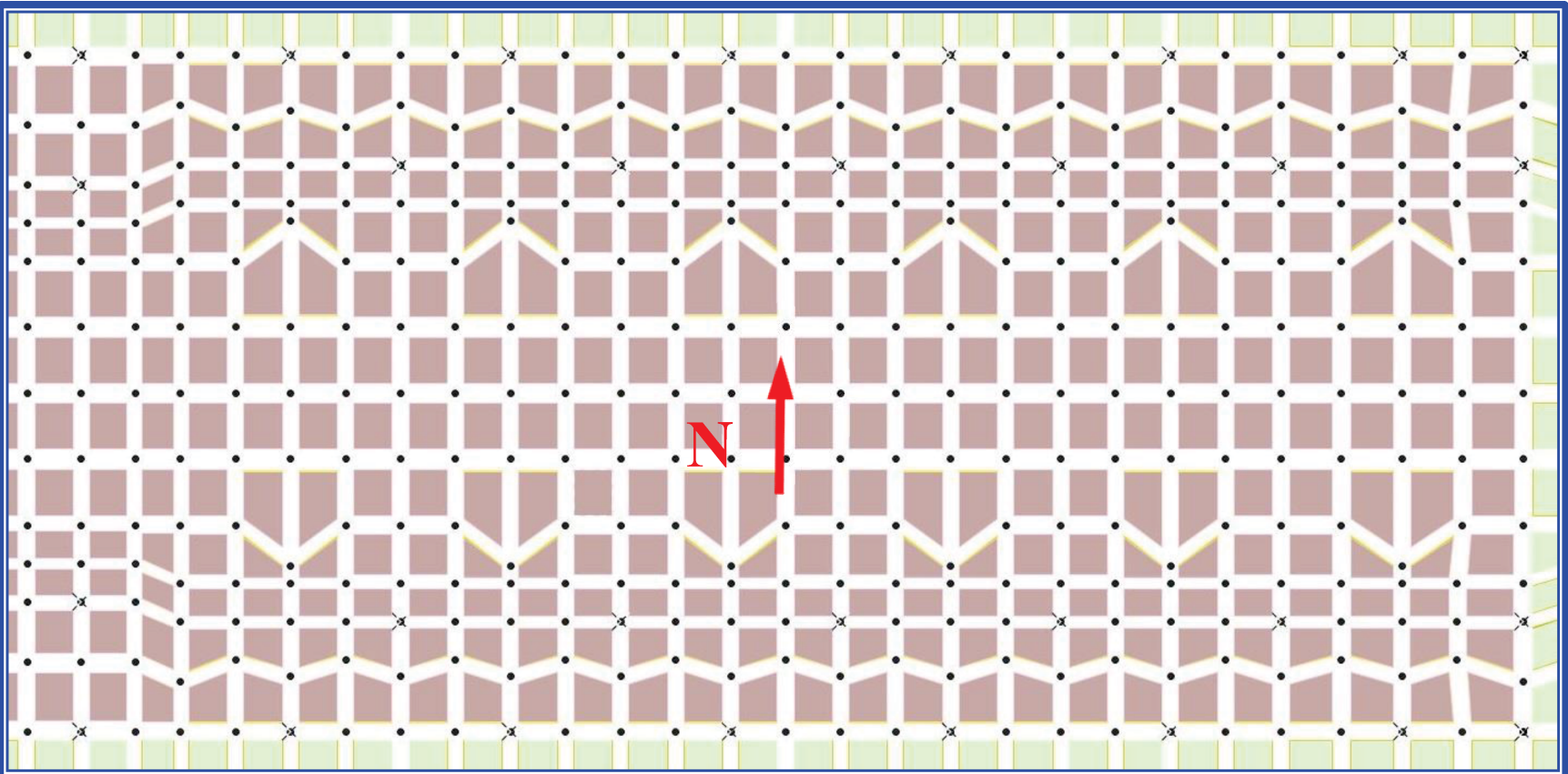


Figure 3.7.2-96: NPM Lug Restraint Node Locations (EL. 71' 7")

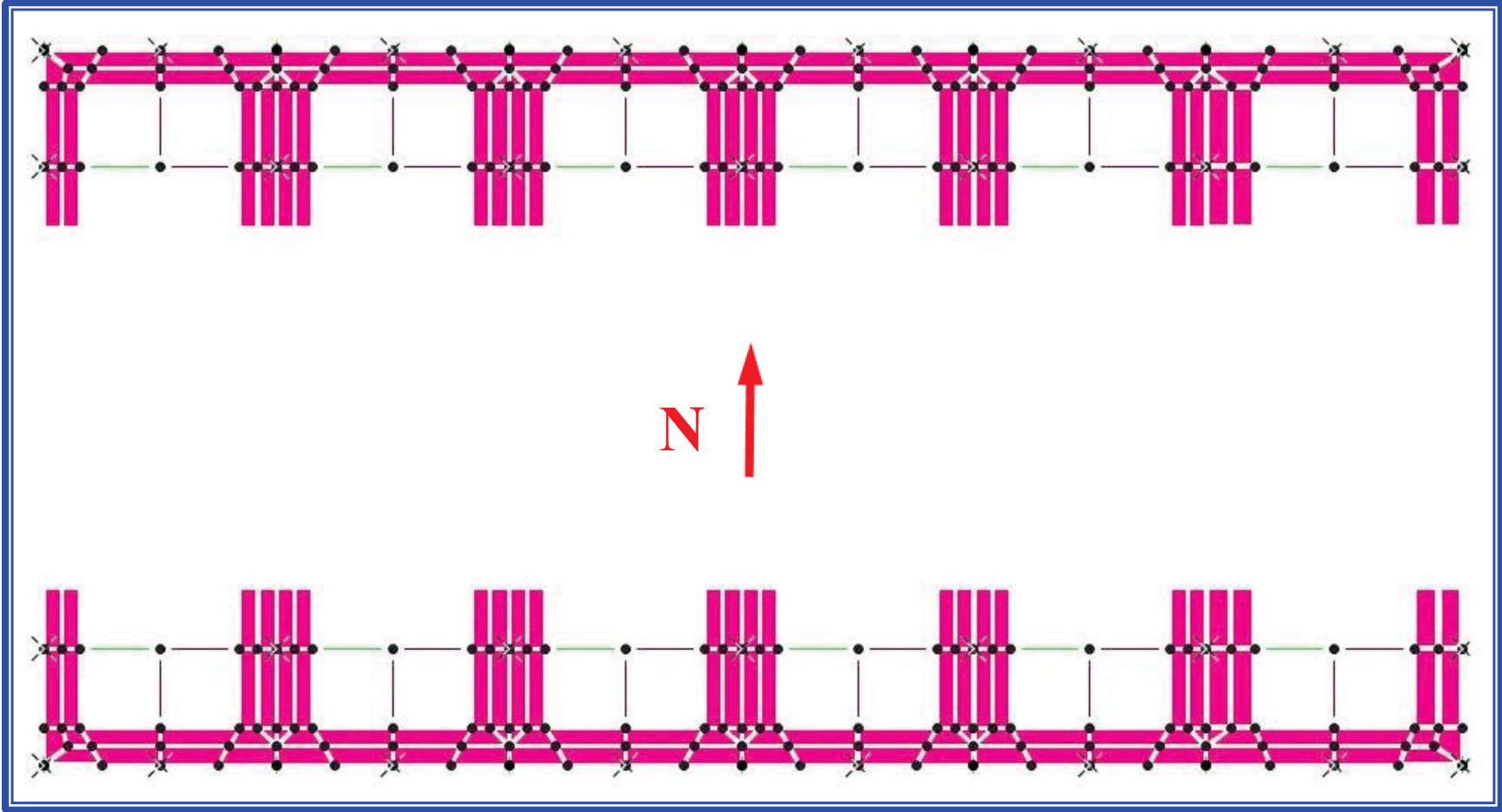


Figure 3.7.2-97: Location of NPMs for 7 Module Case Study

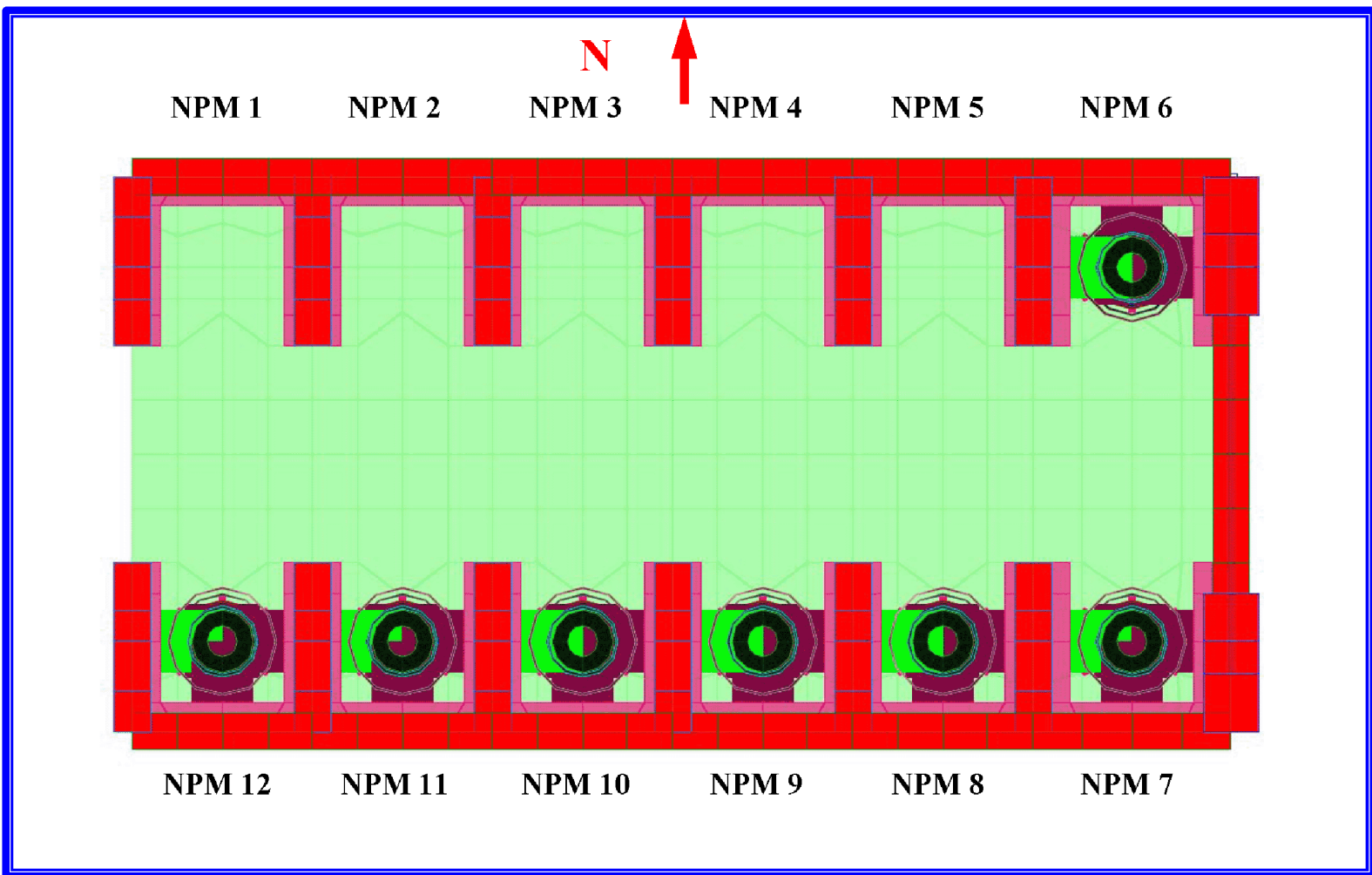


Figure 3.7.2-98: Example ISRS from CSDRS compatible Time Histories for Soil Type 7

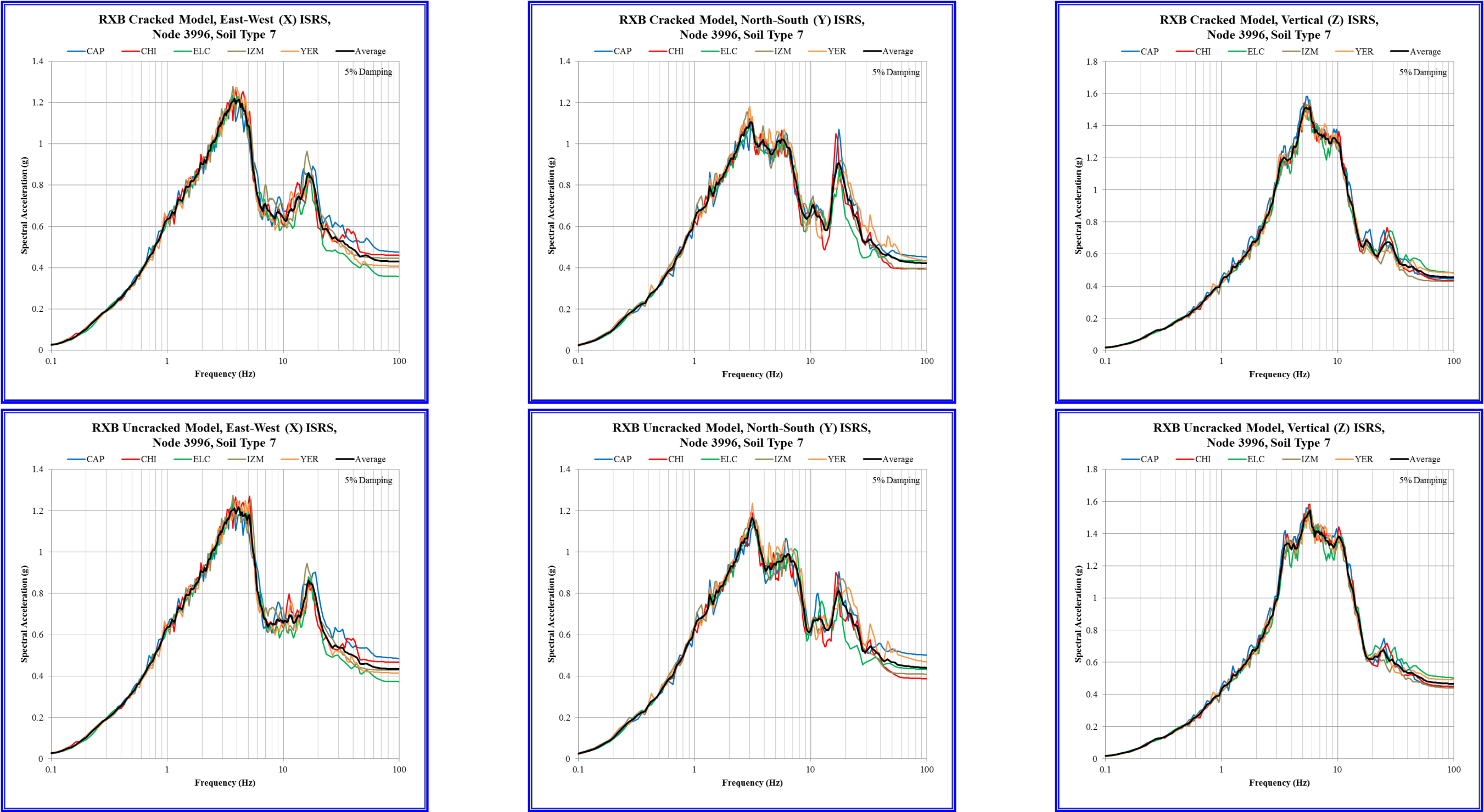


Figure 3.7.2-99: Example ISRS from CSDRS compatible Time Histories for Soil Type 8

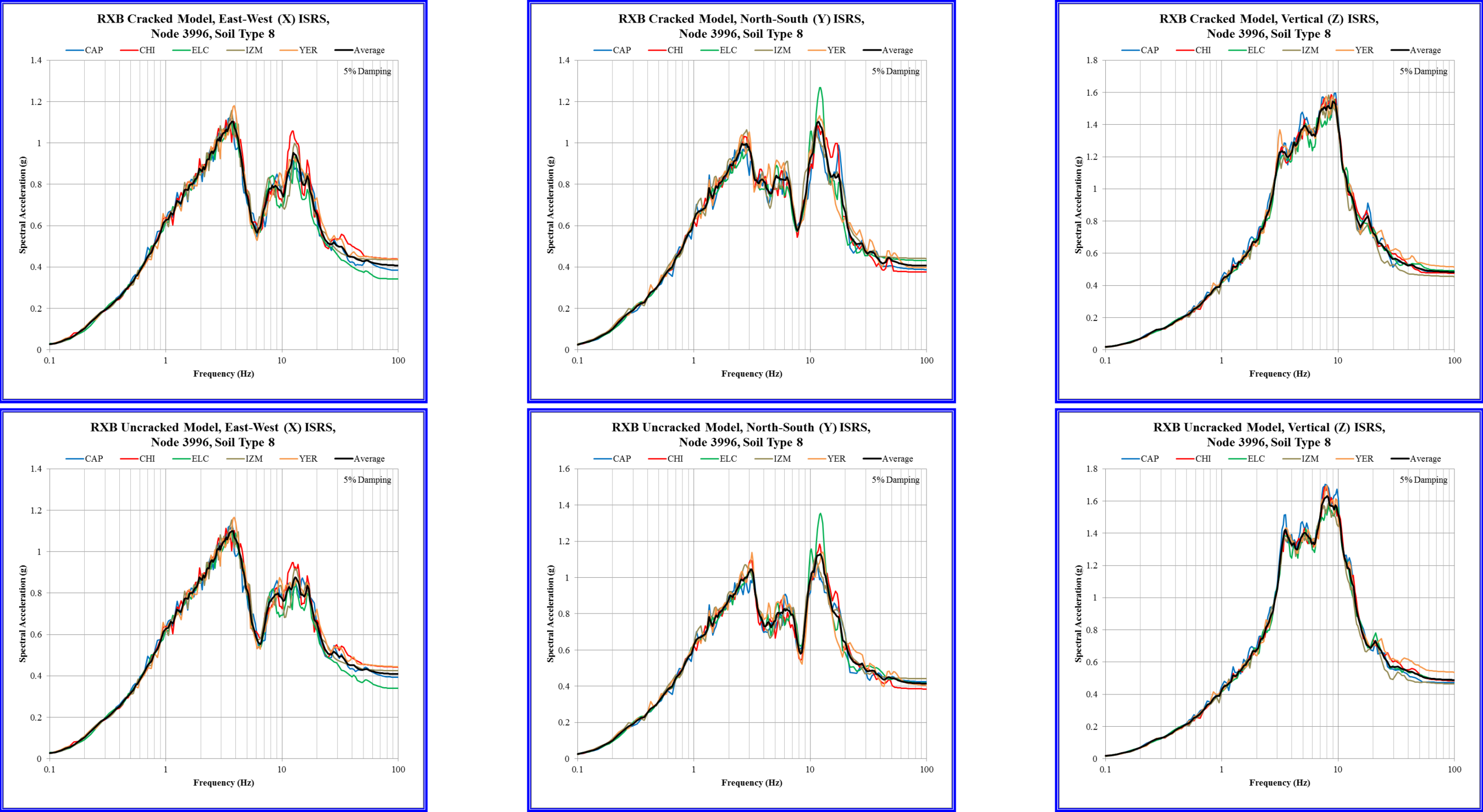


Figure 3.7.2-100: Example ISRS from CSDRS compatible Time Histories for Soil Type 11

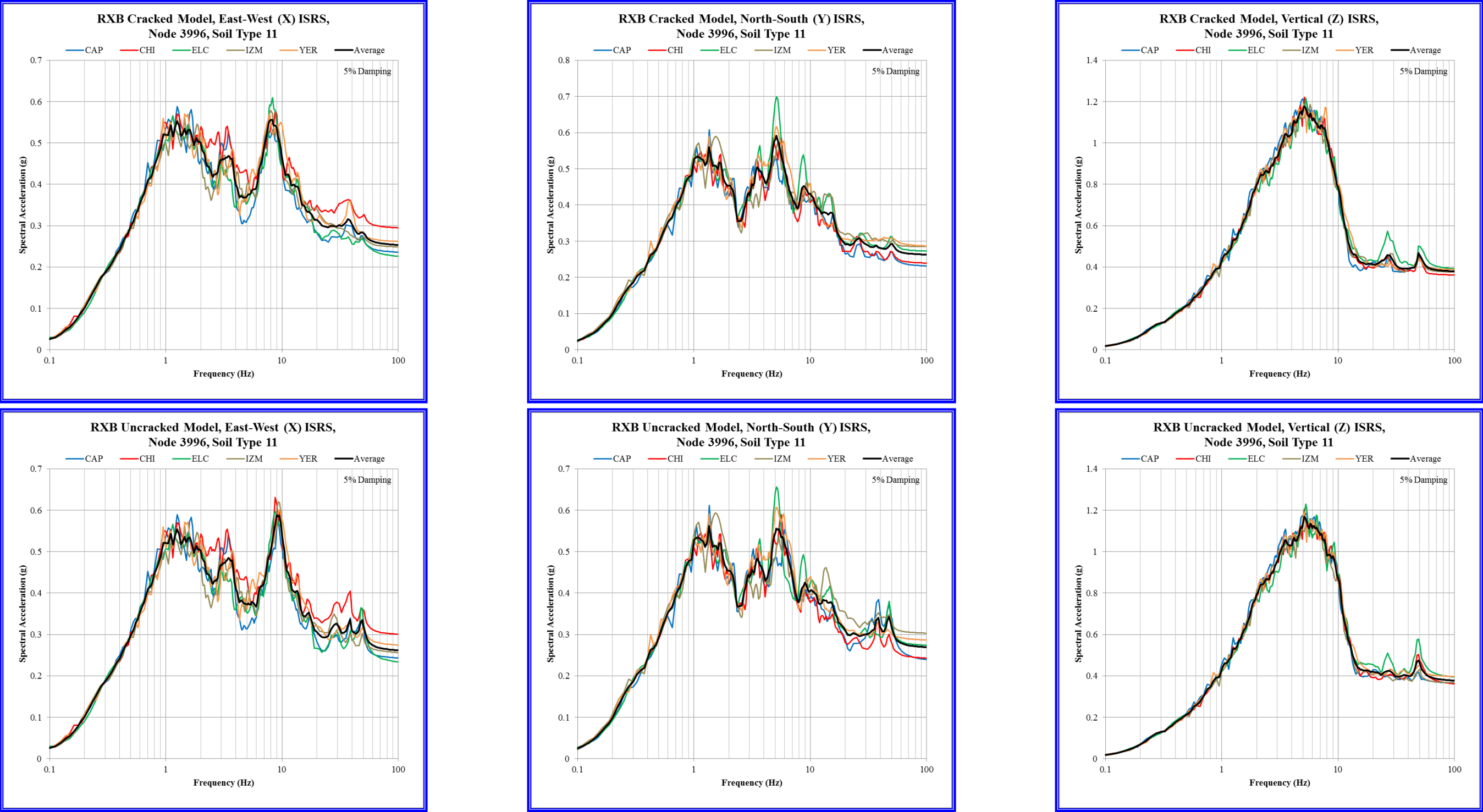


Figure 3.7.2-101: Example Combined and Enveloped ISRS

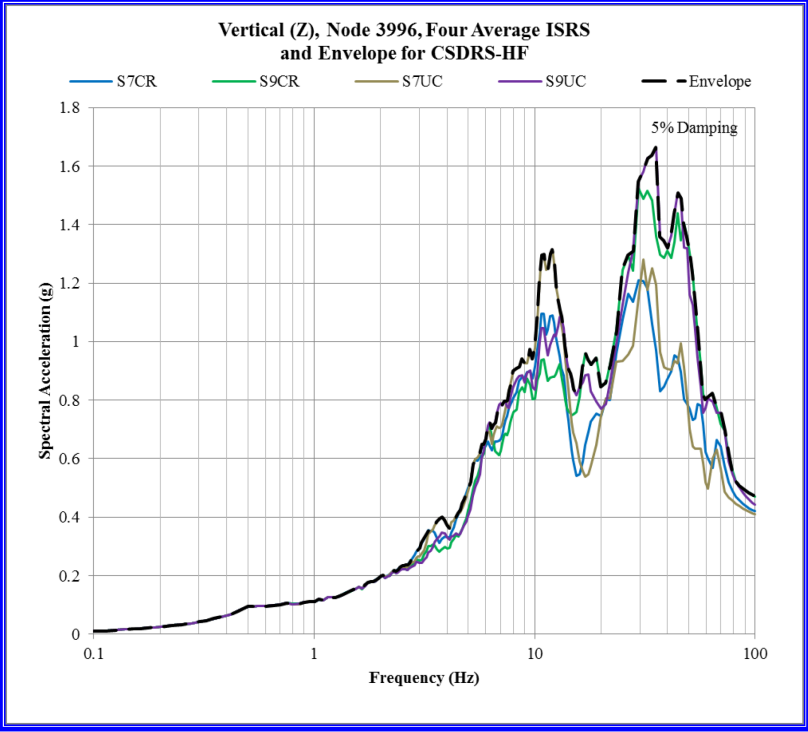
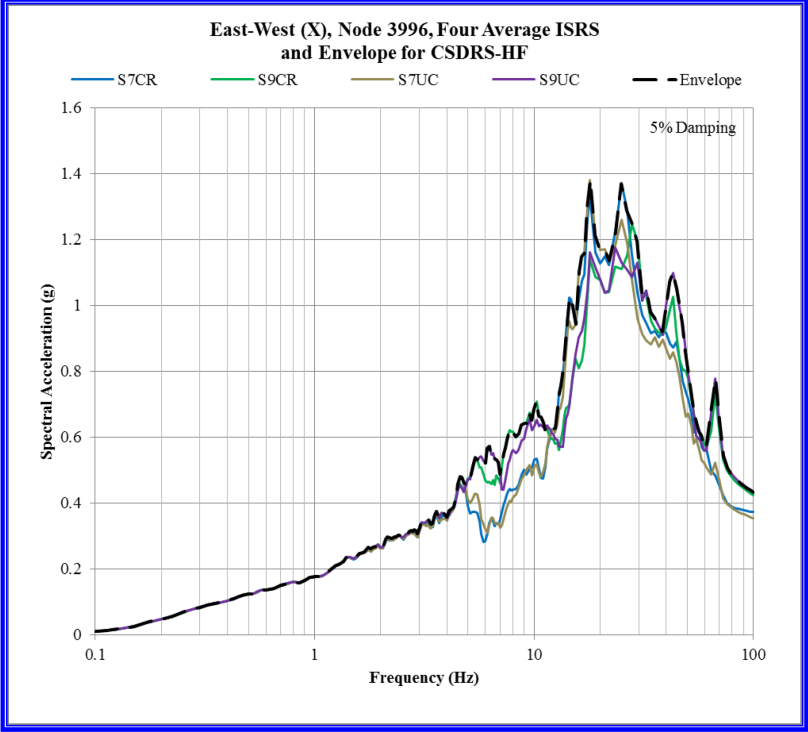
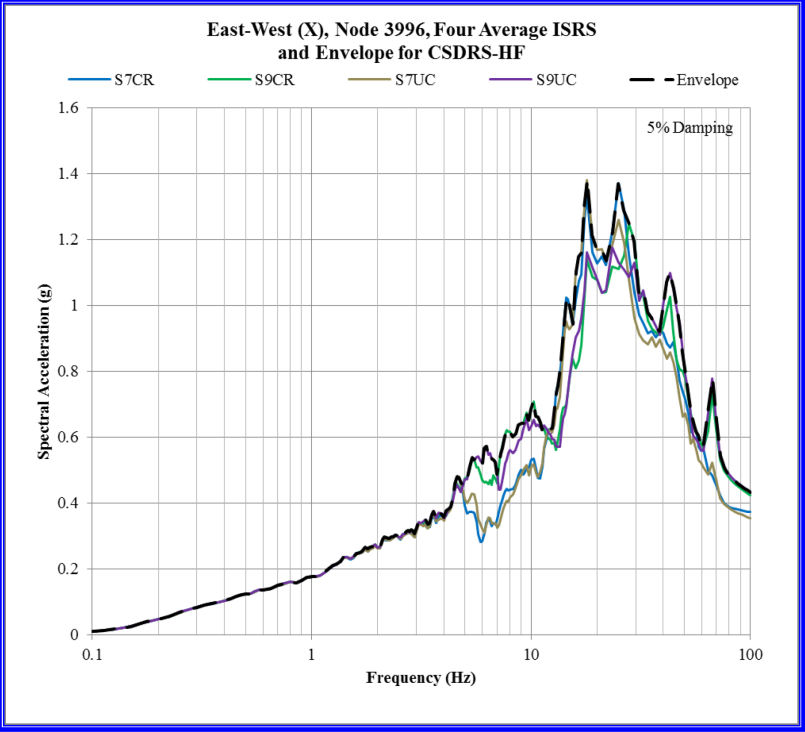
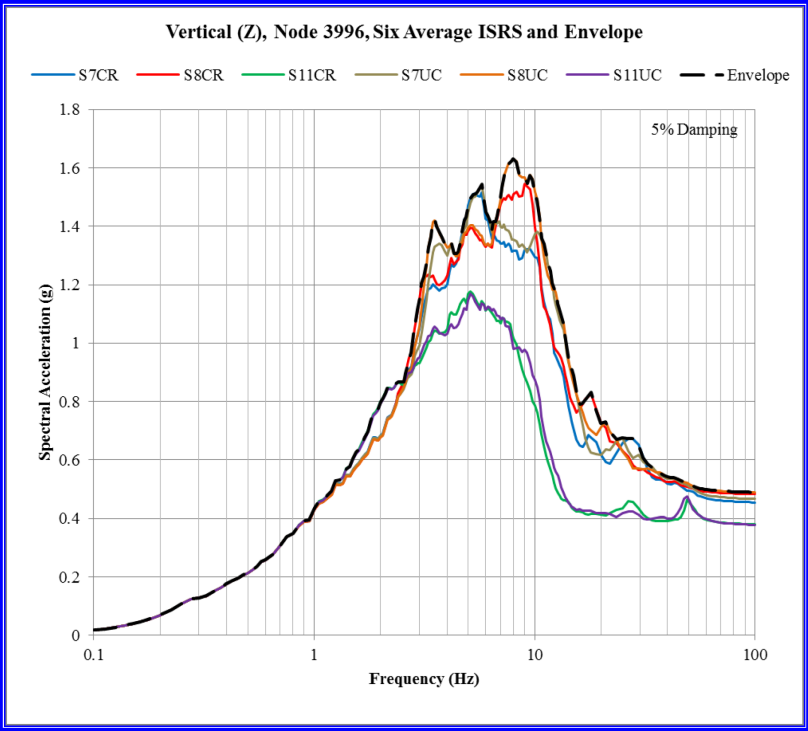
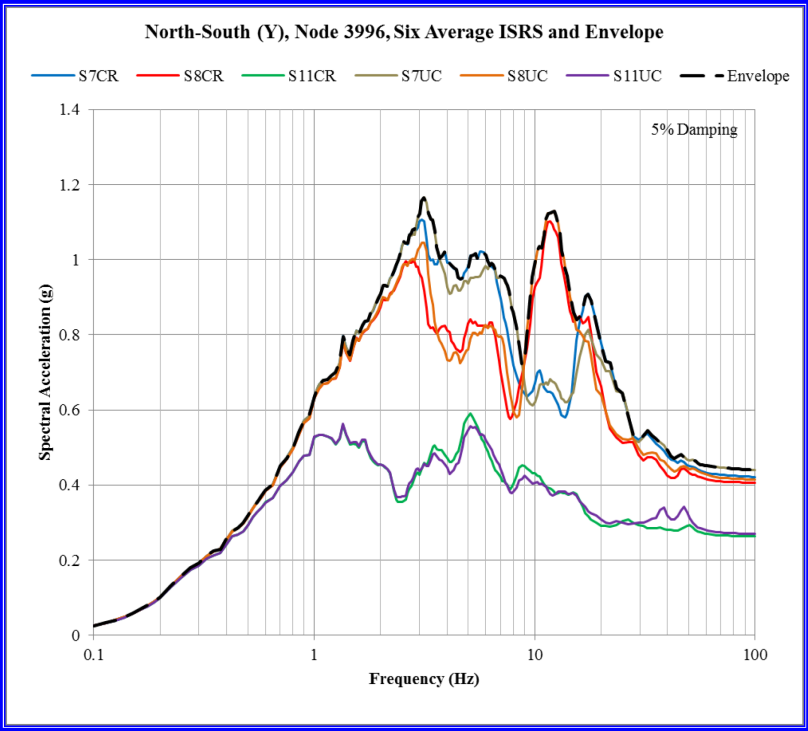
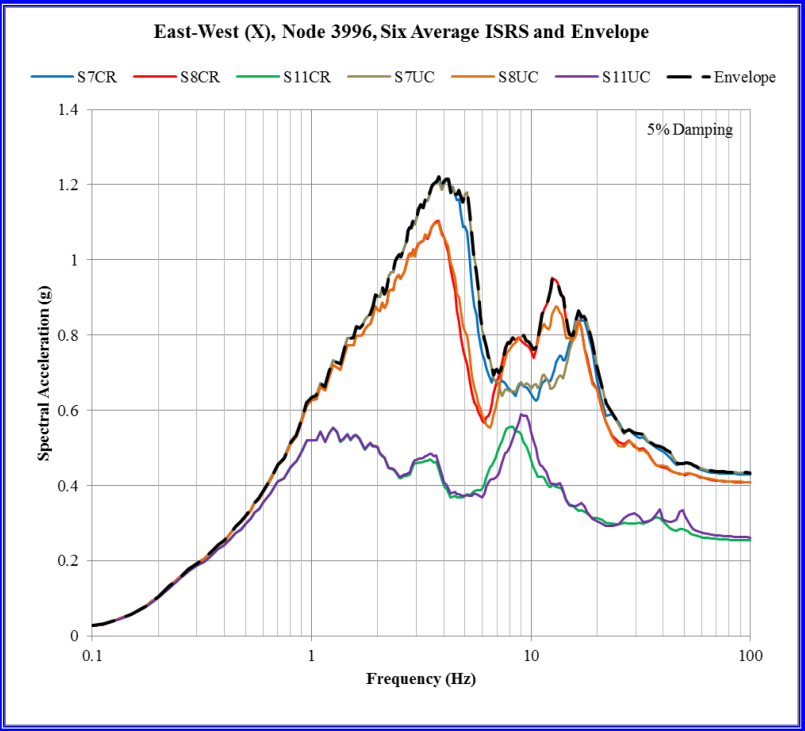


Figure 3.7.2-102: Exampled Broadened ISRS at Multiple Damping Ratios

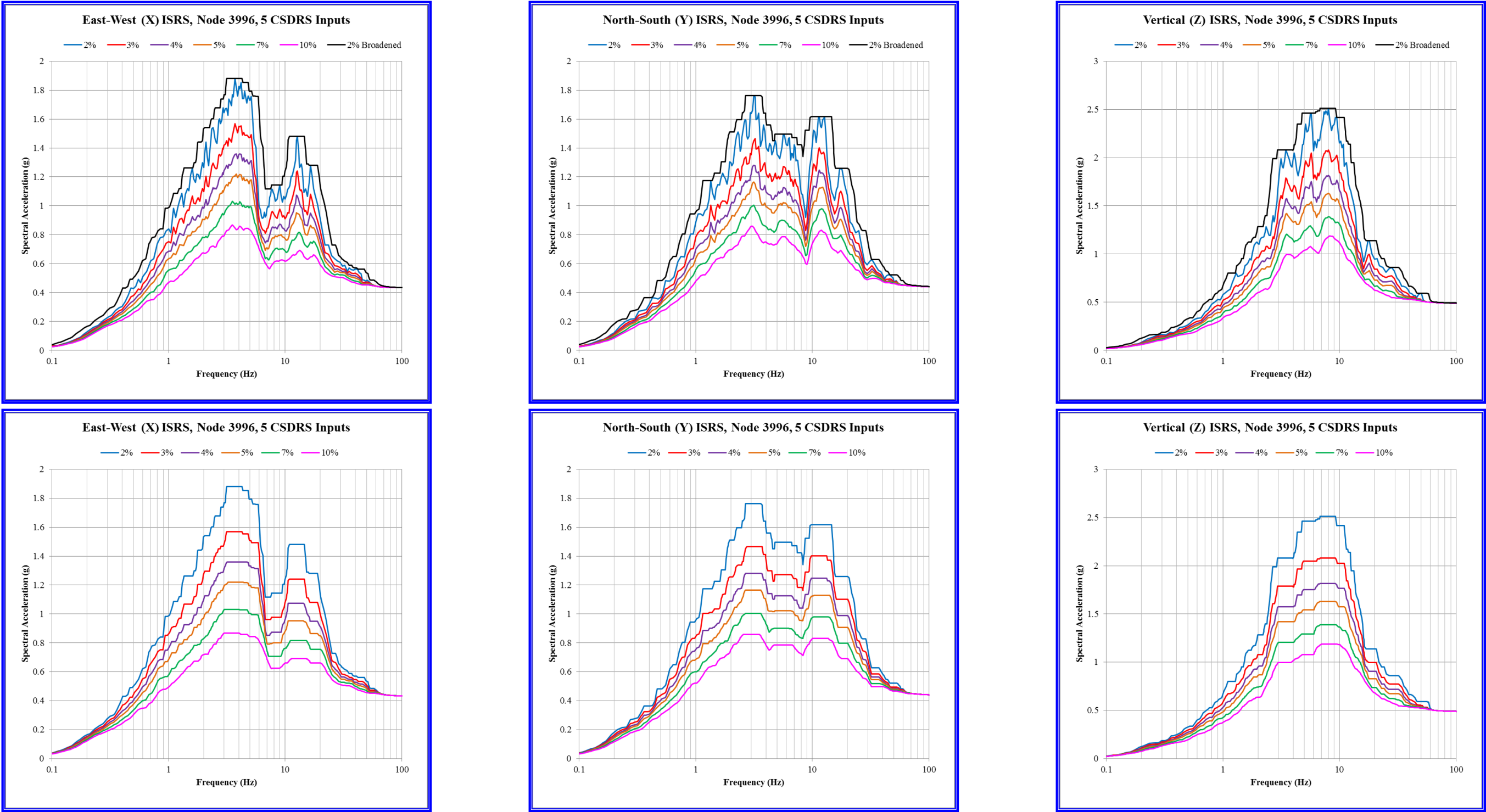


Figure 3.7.2-103: Comparison between Standalone Reactor Building Model and Triple Building Model, ISRS at Northwest Corner, Top of Basement

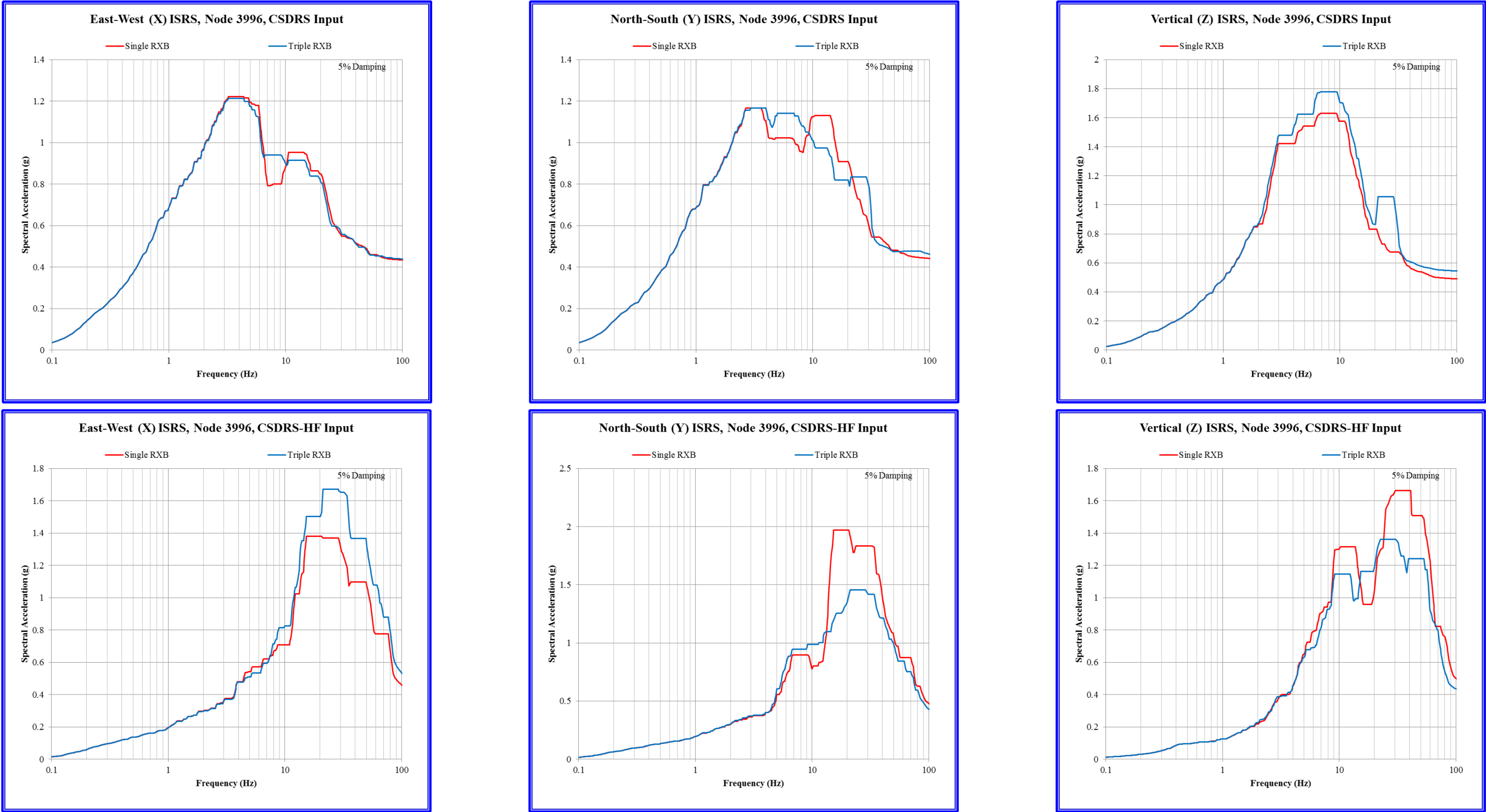


Figure 3.7.2-104: Comparison between Standalone Reactor Building Model and Triple Building Model, ISRS at Northwest Corner, Top of Exterior Wall

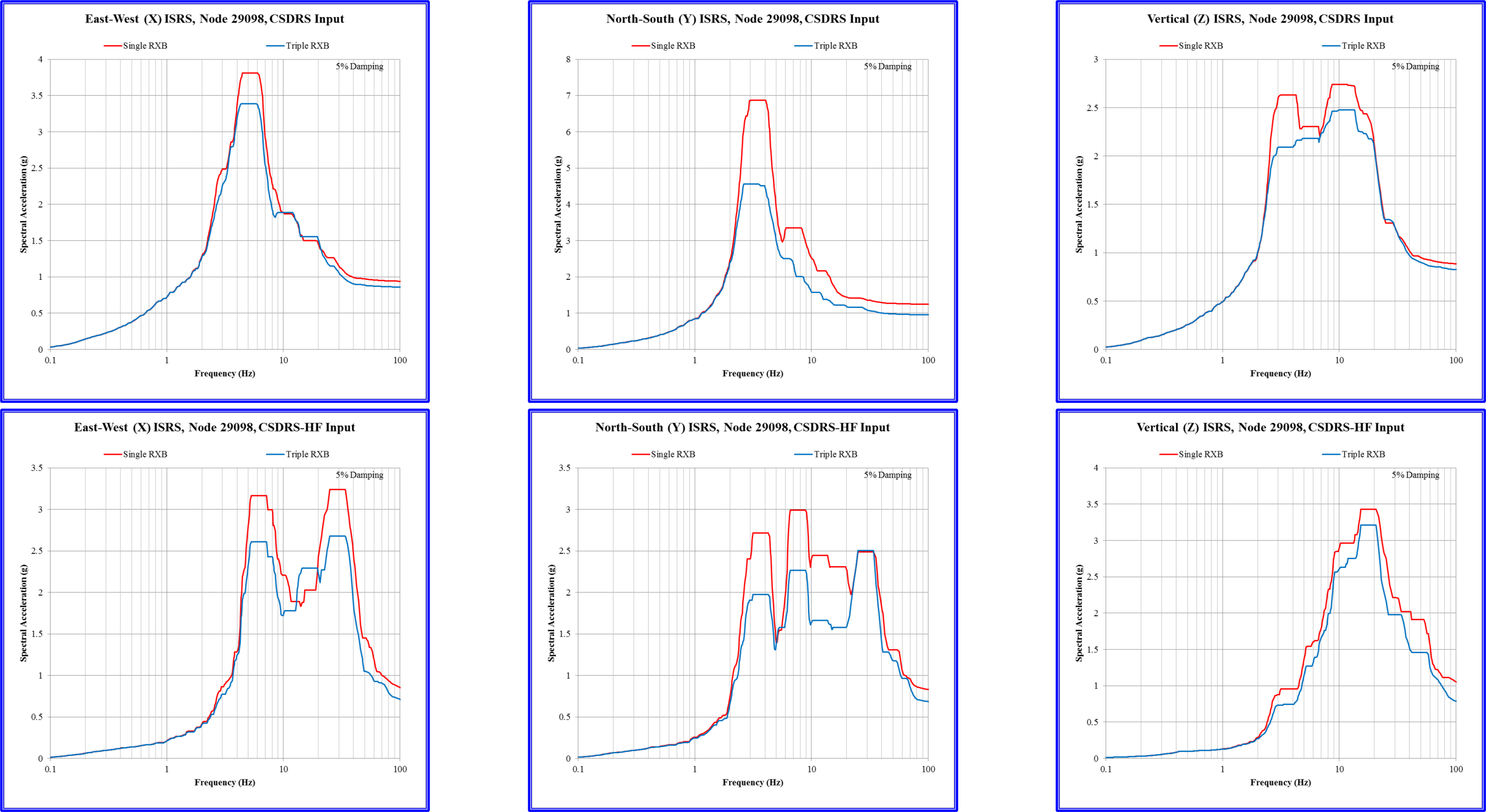


Figure 3.7.2-105: Comparison between Standalone Reactor Building Model and Triple Building Model, ISRS at Corner or Roof Slab

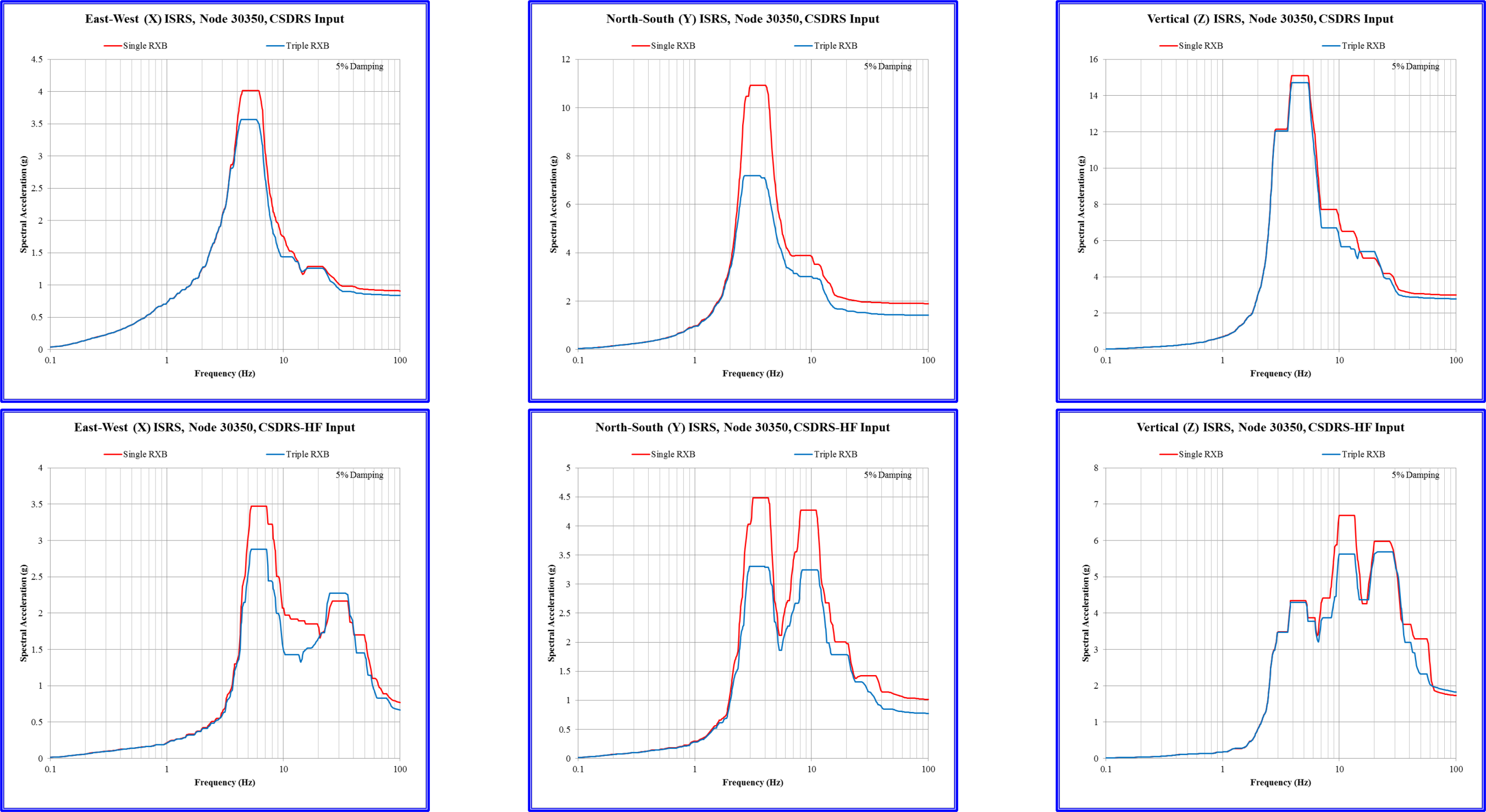


Figure 3.7.2-106: Reactor Building ISRS for Floor at El. 24' 0"

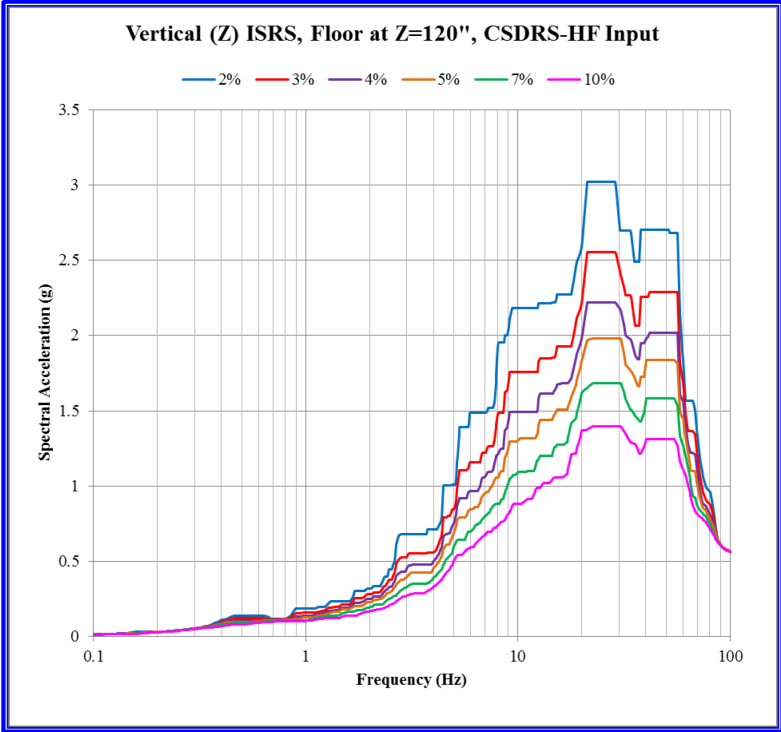
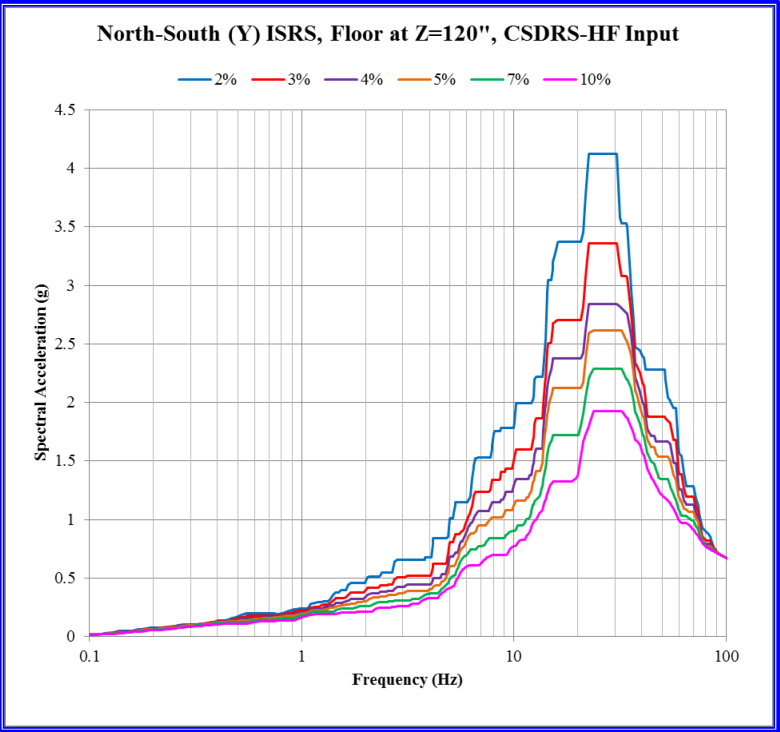
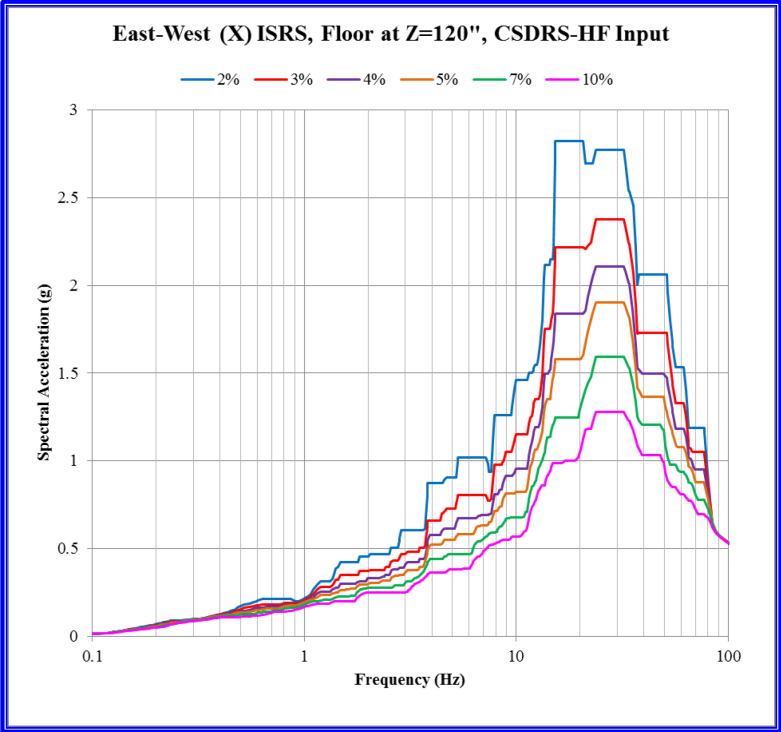
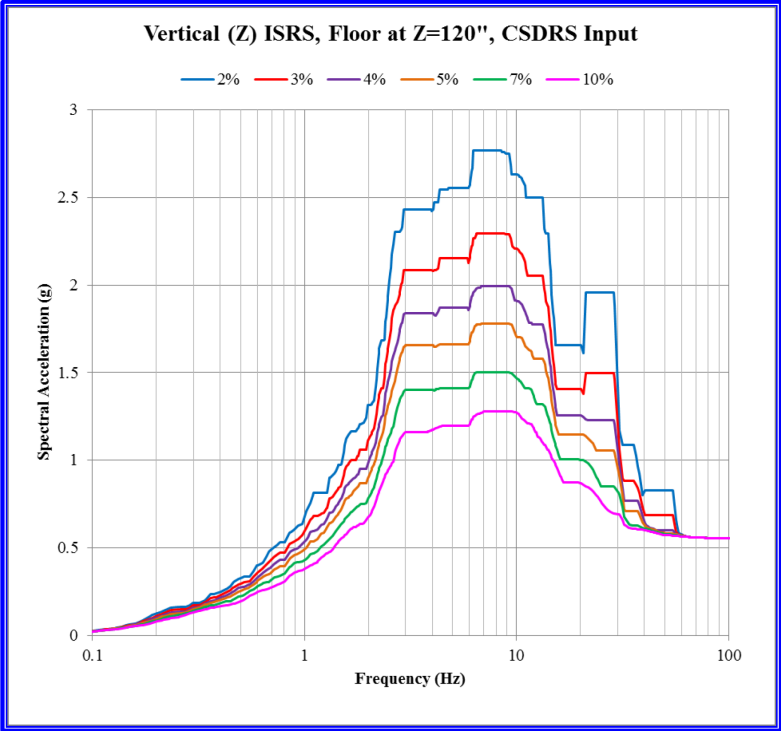
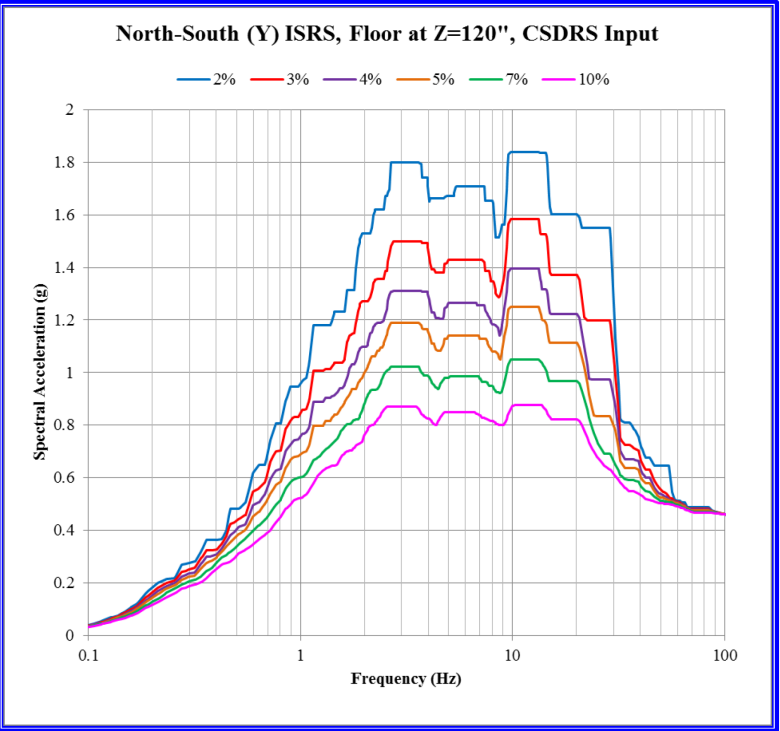
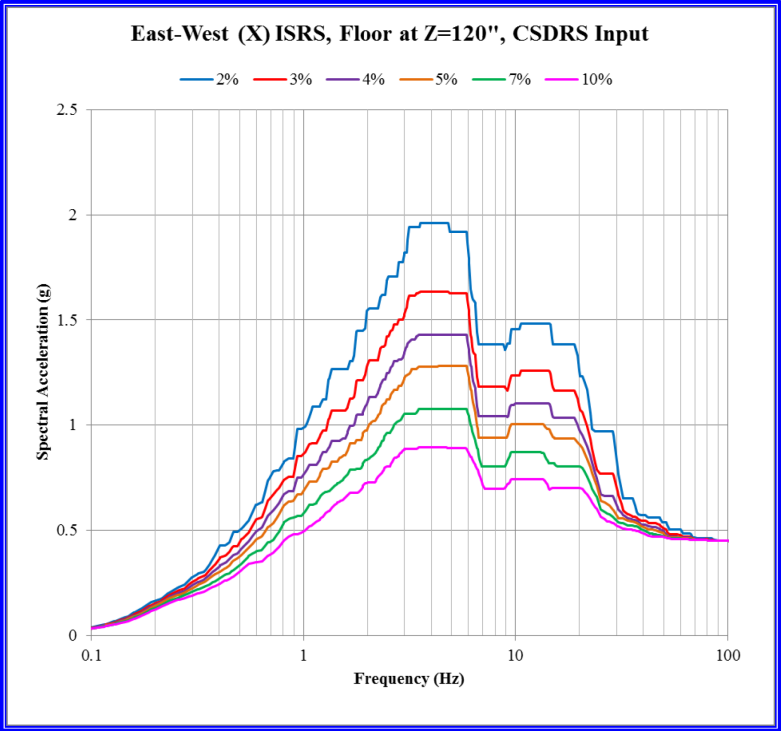


Figure 3.7.2-107: Reactor Building ISRS for Floor at El. 25' 0"

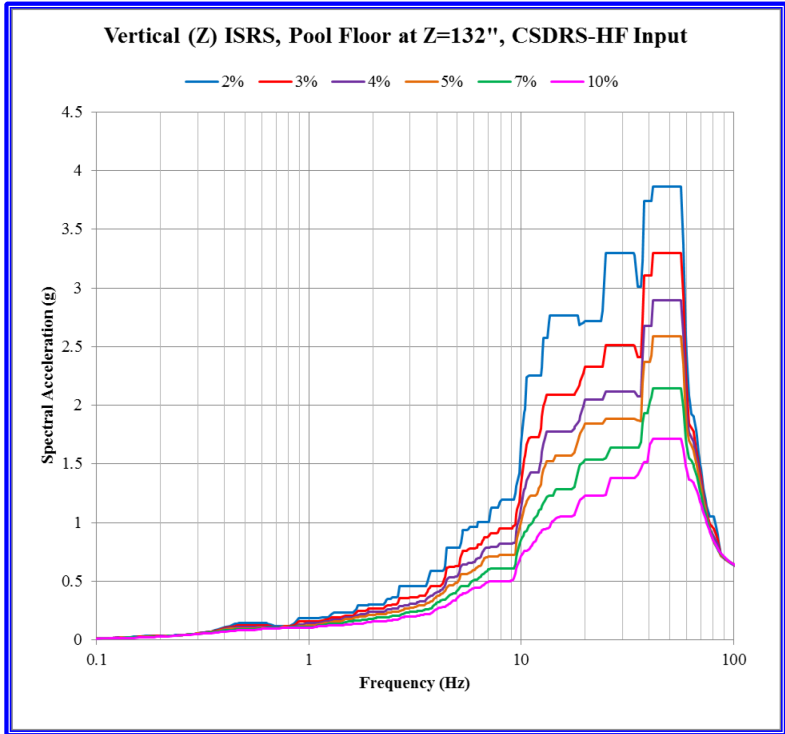
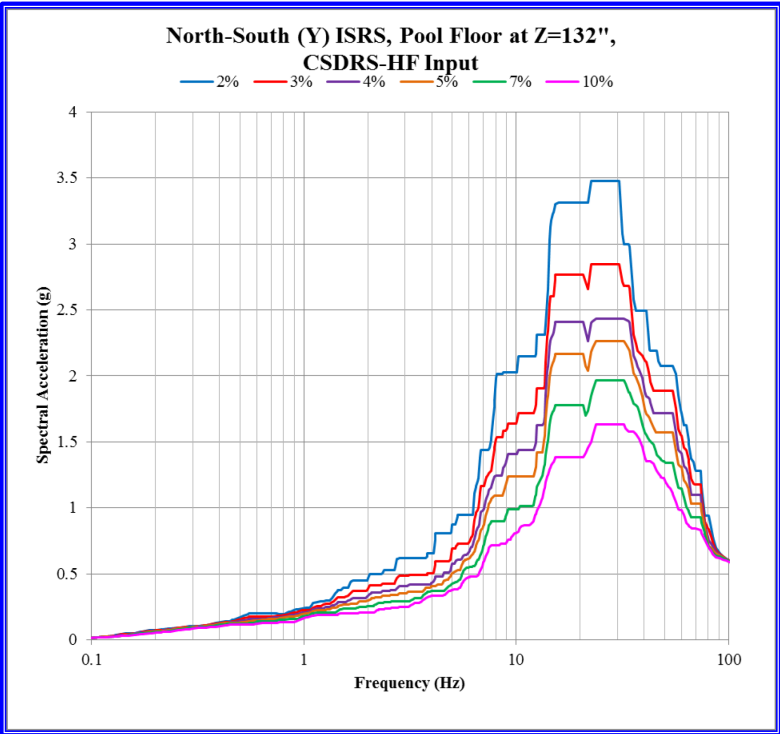
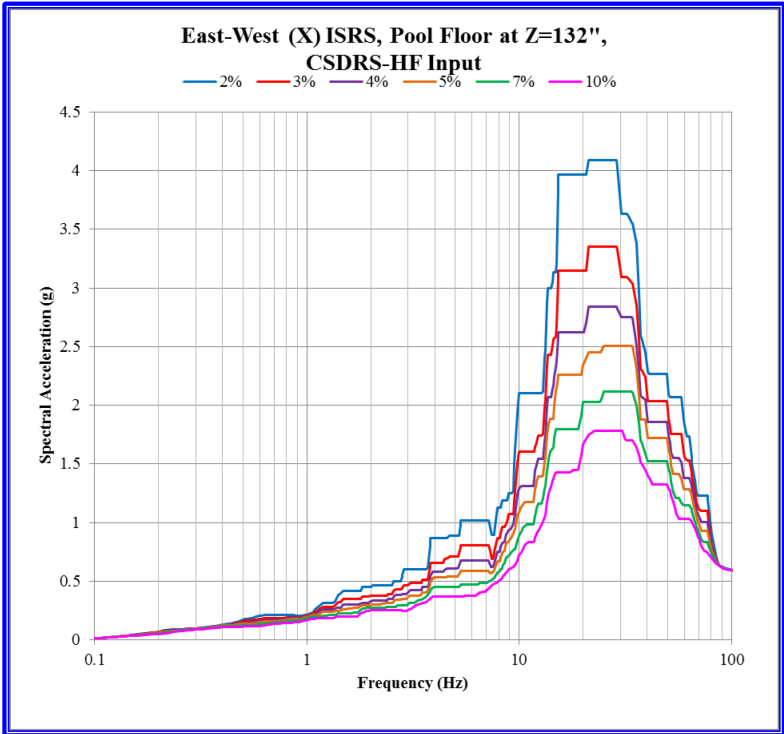
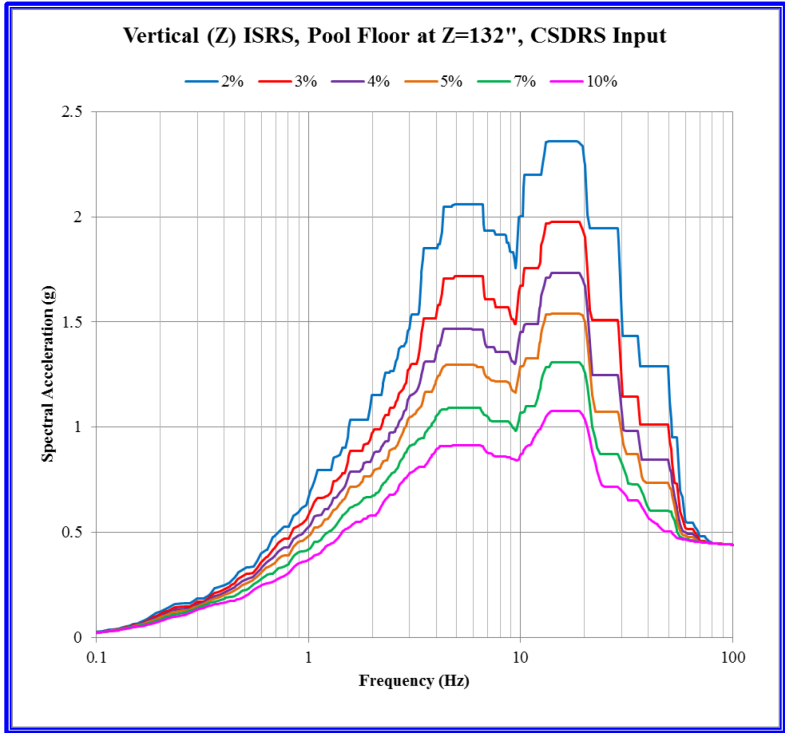
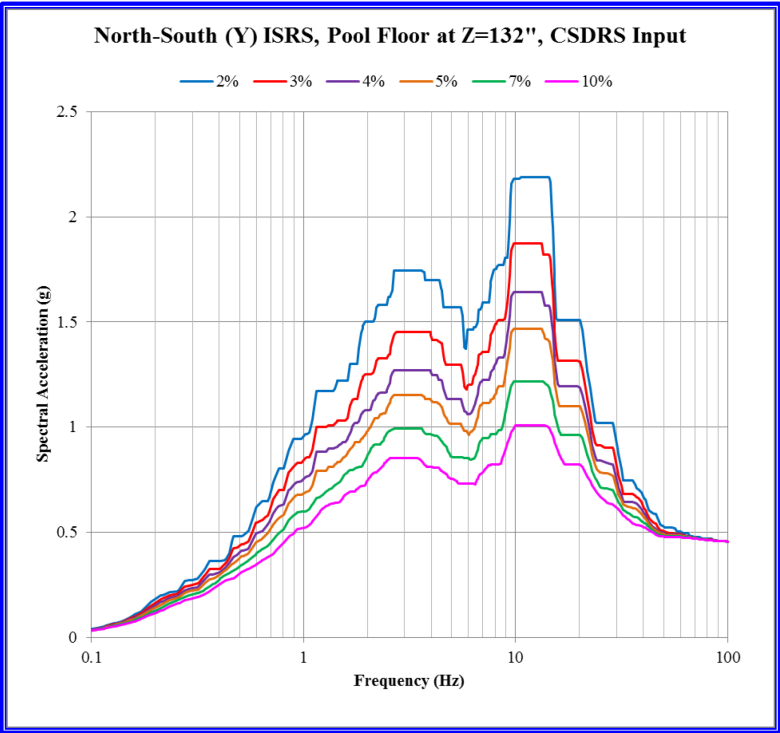
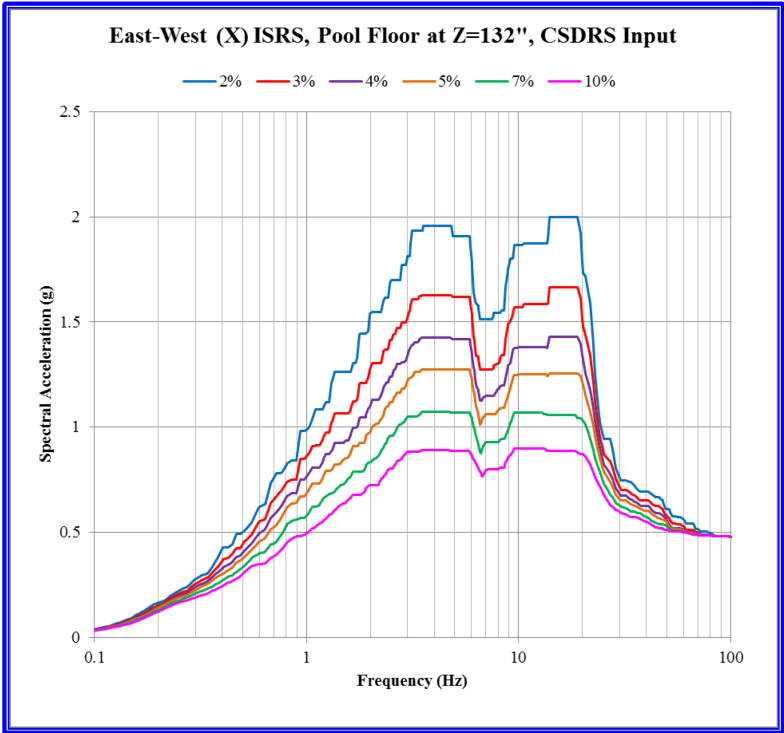


Figure 3.7.2-108: Reactor Building ISRS for Floor at El. 50' 0"

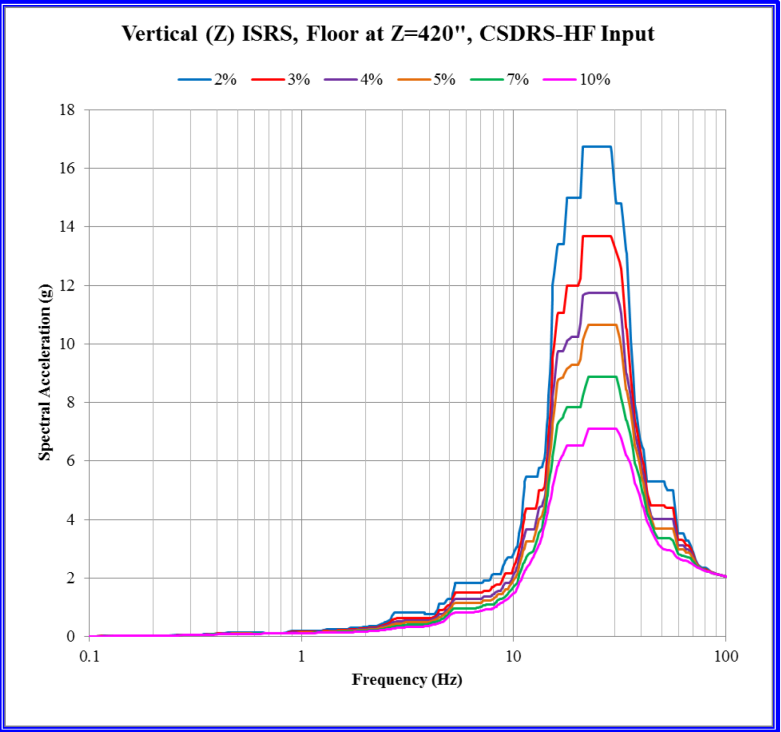
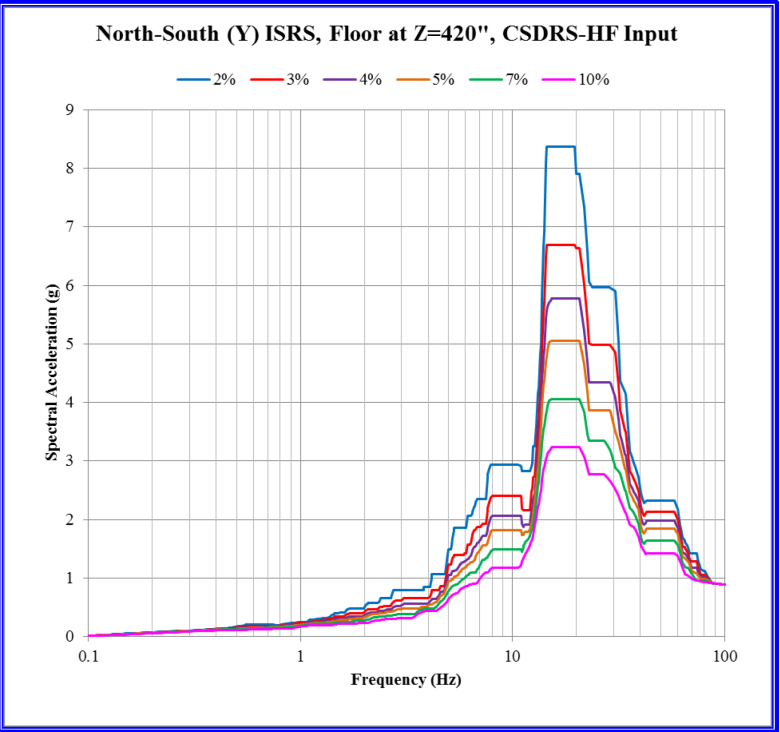
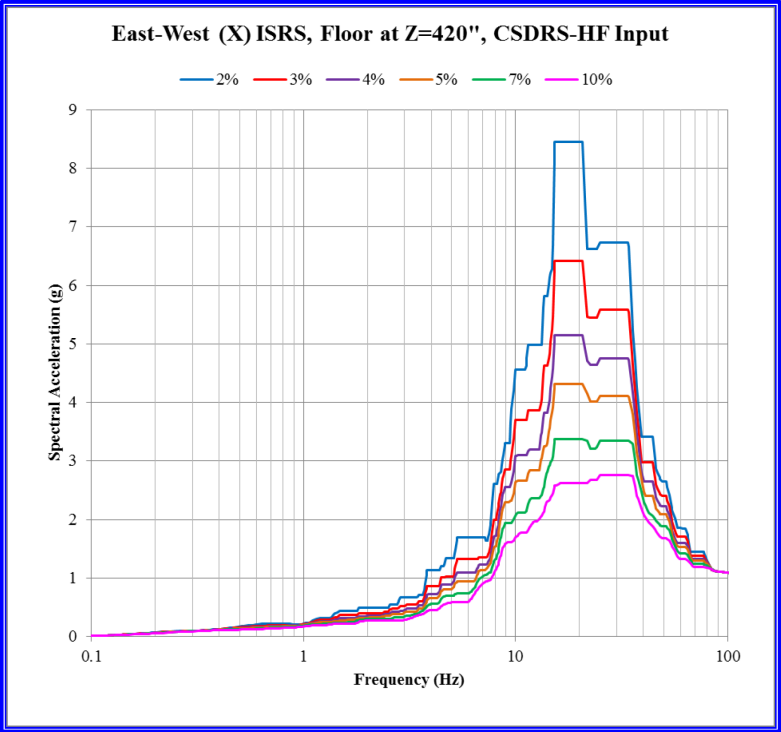
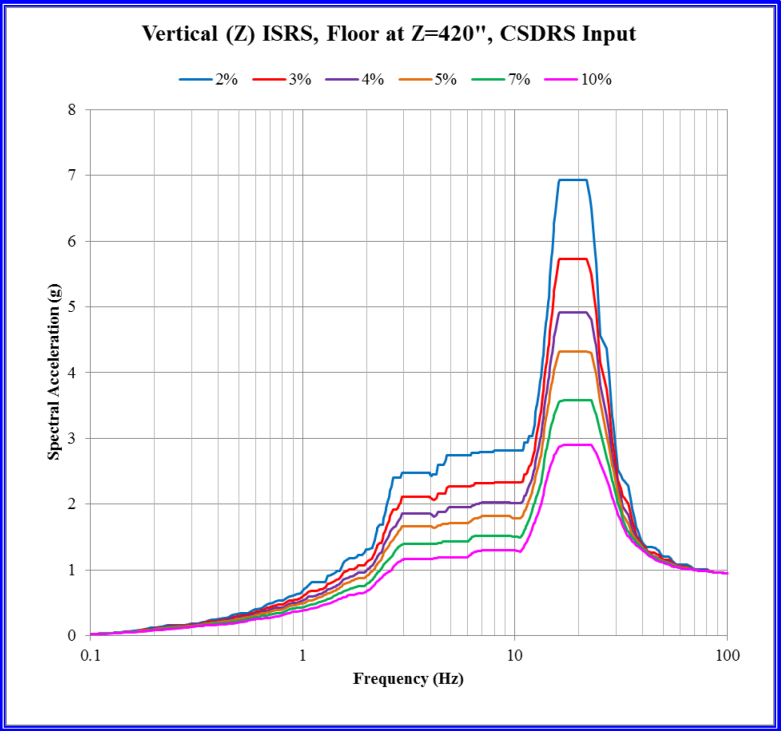
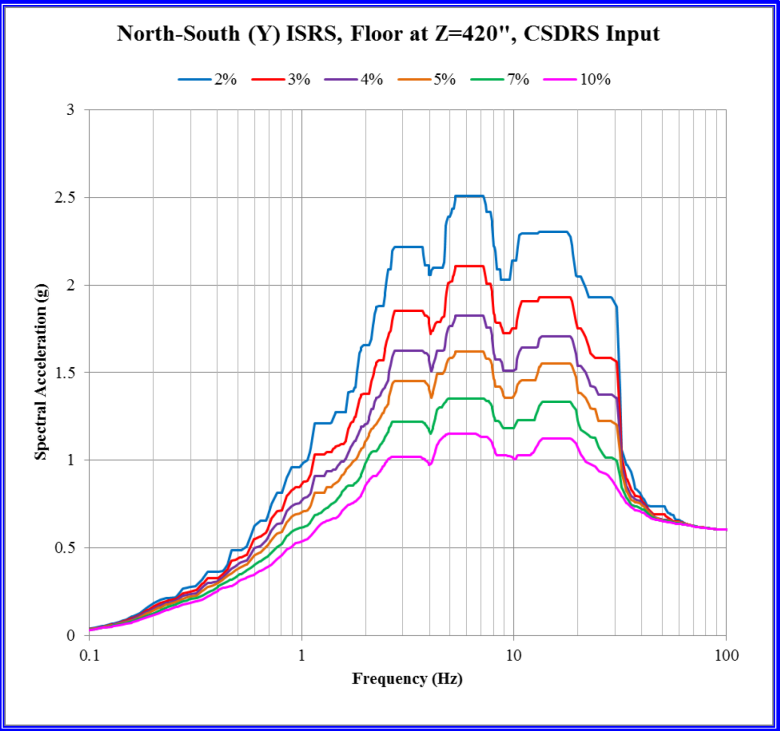
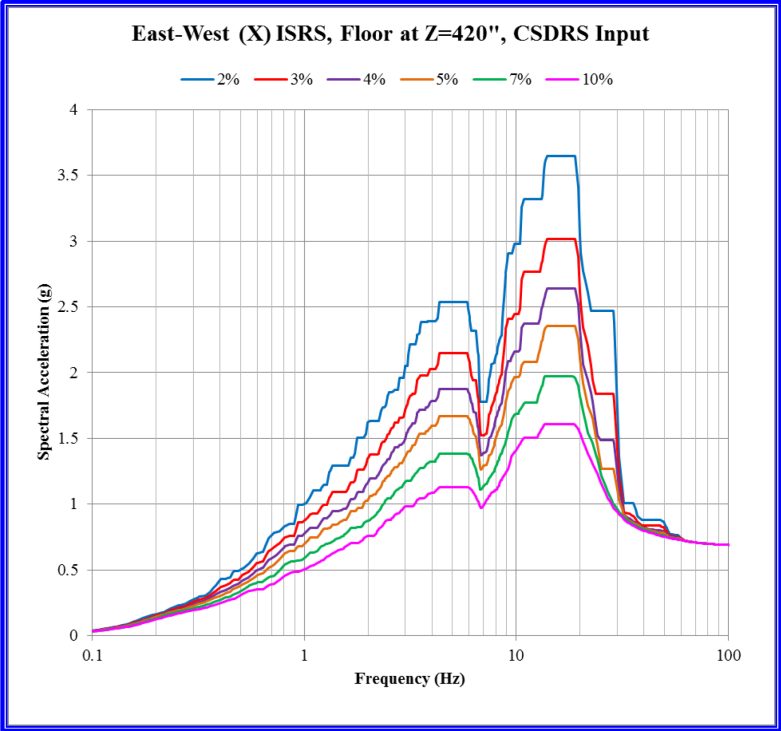


Figure 3.7.2-109: Reactor Building ISRS for Floor at El. 75' 0"

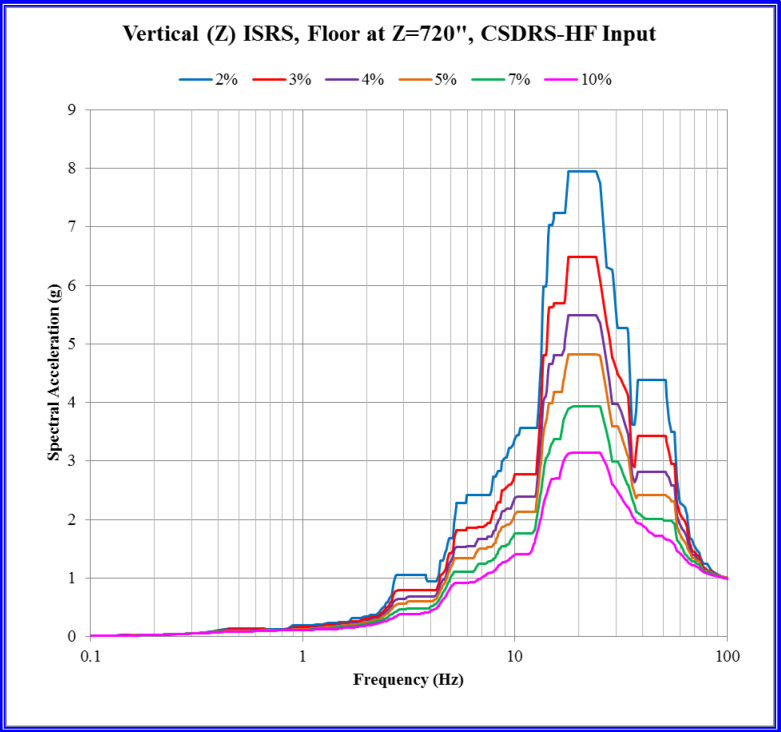
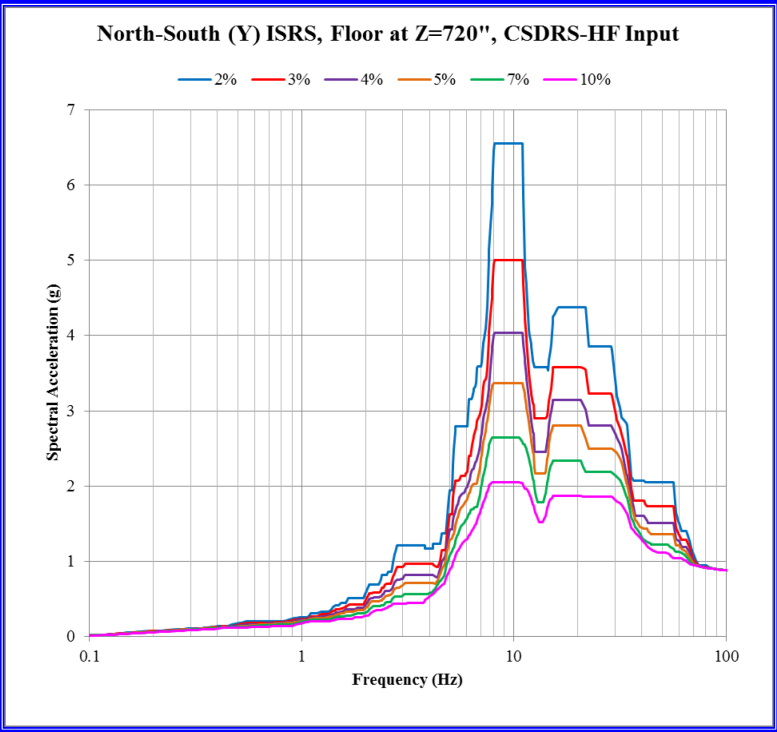
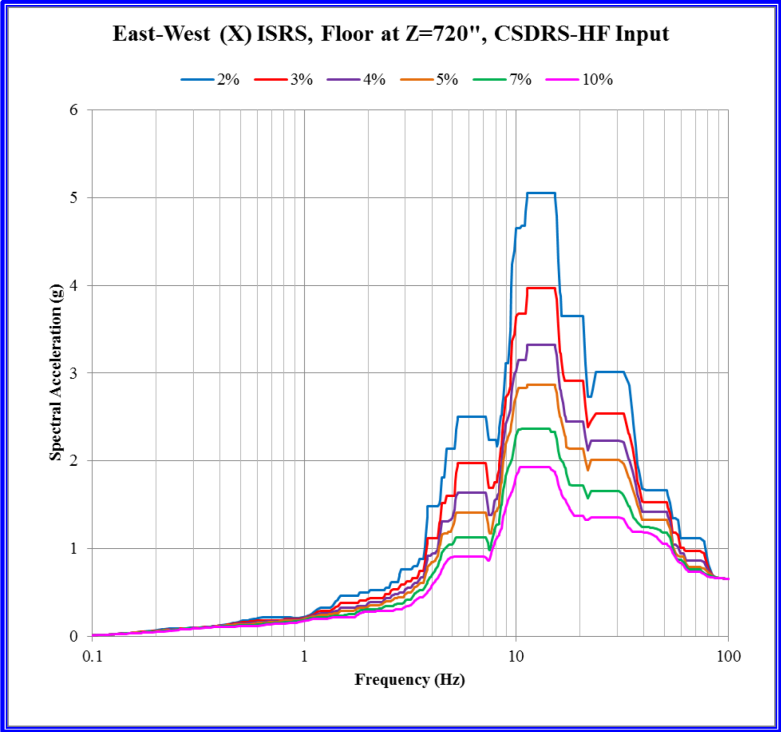
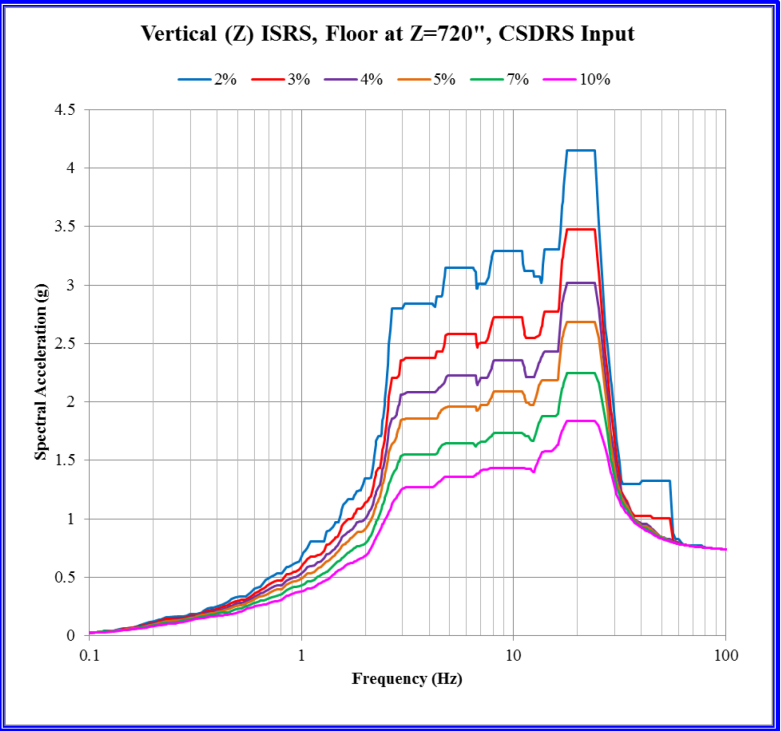
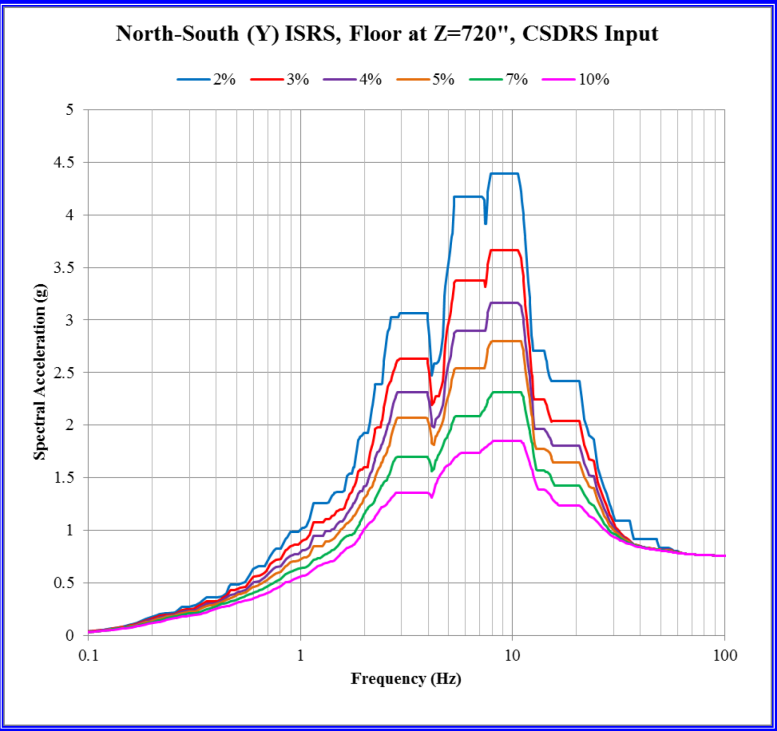
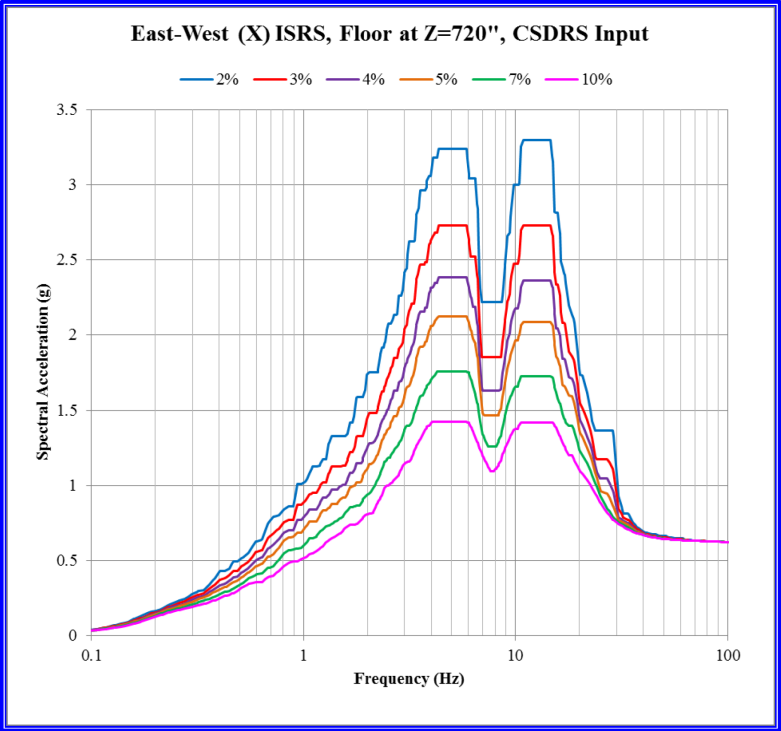


Figure 3.7.2-110: Reactor Building ISRS for Floor at El. 100' 0"

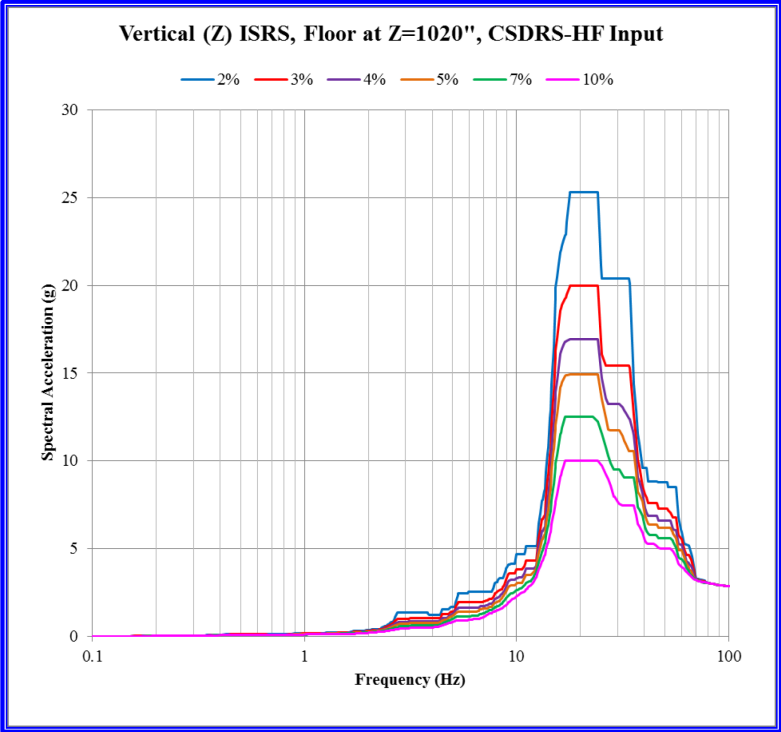
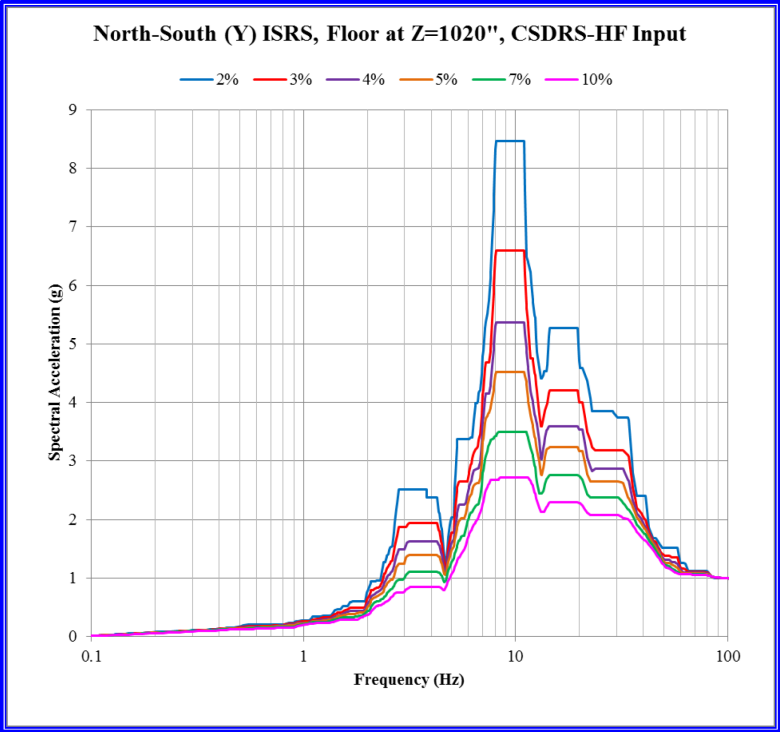
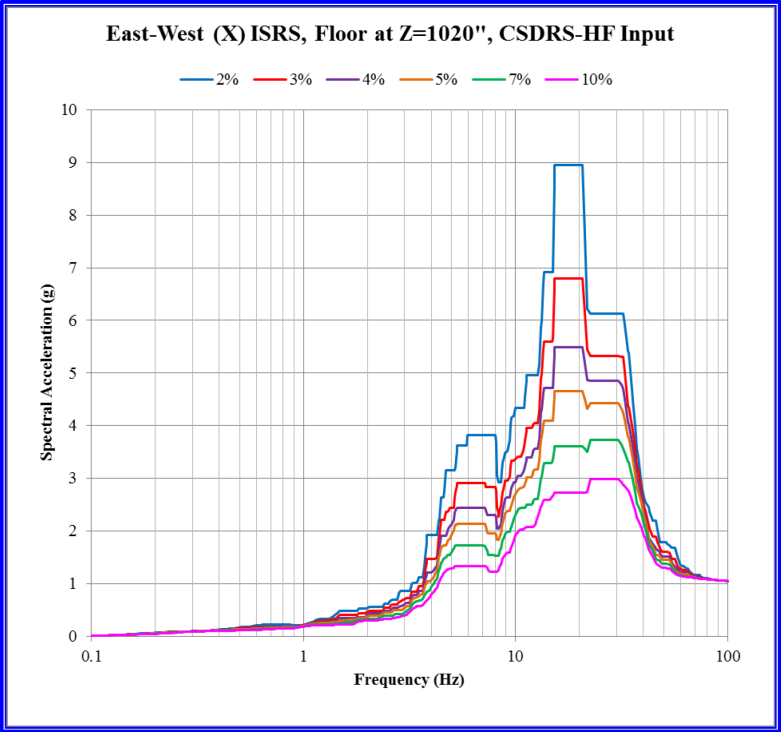
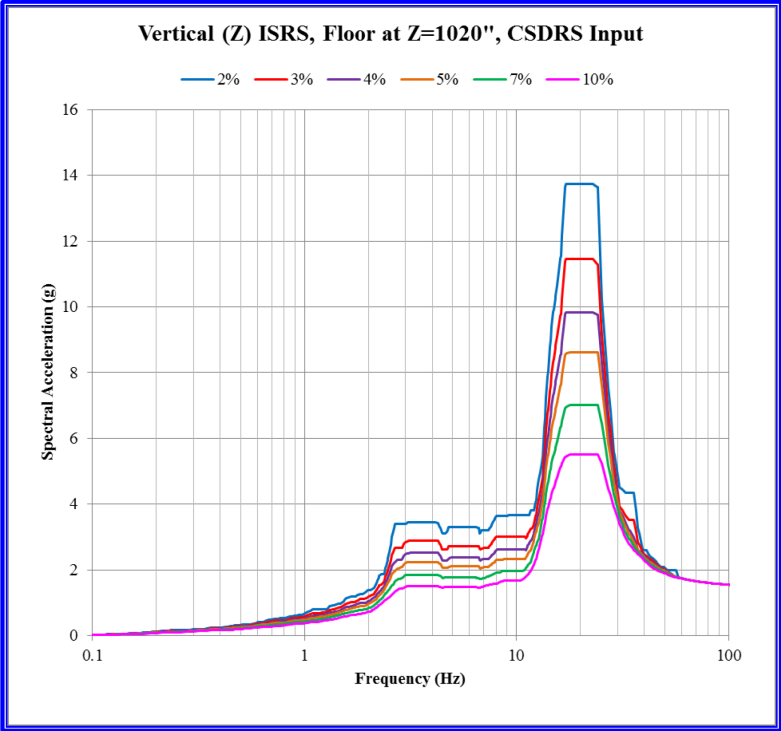
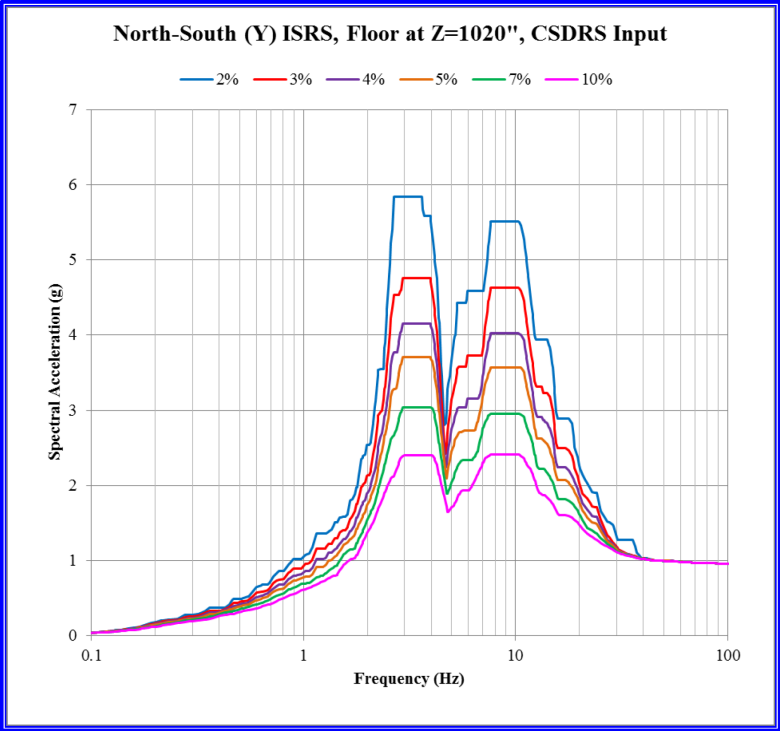
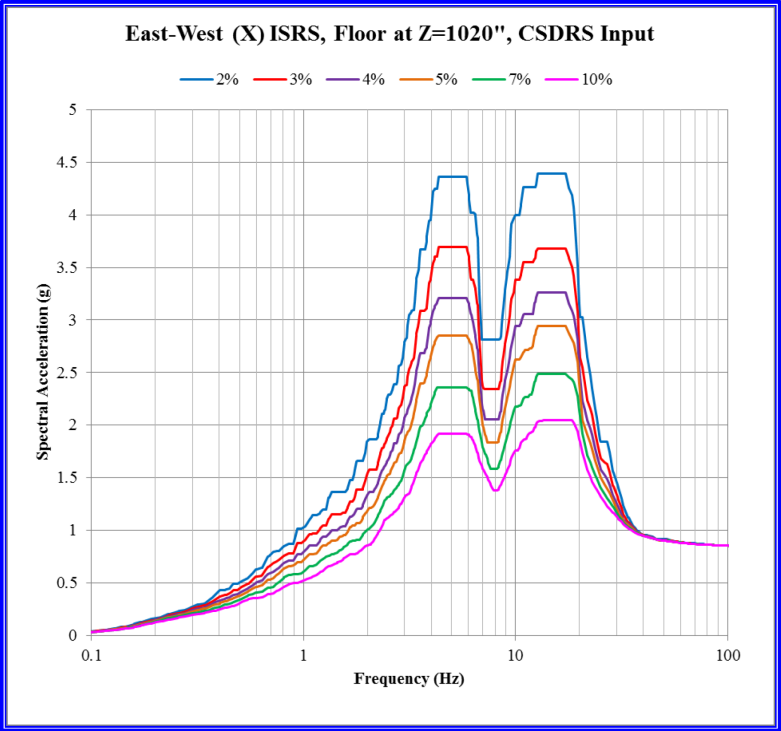


Figure 3.7.2-111: Reactor Building ISRS for Floor at El. 126' 0"

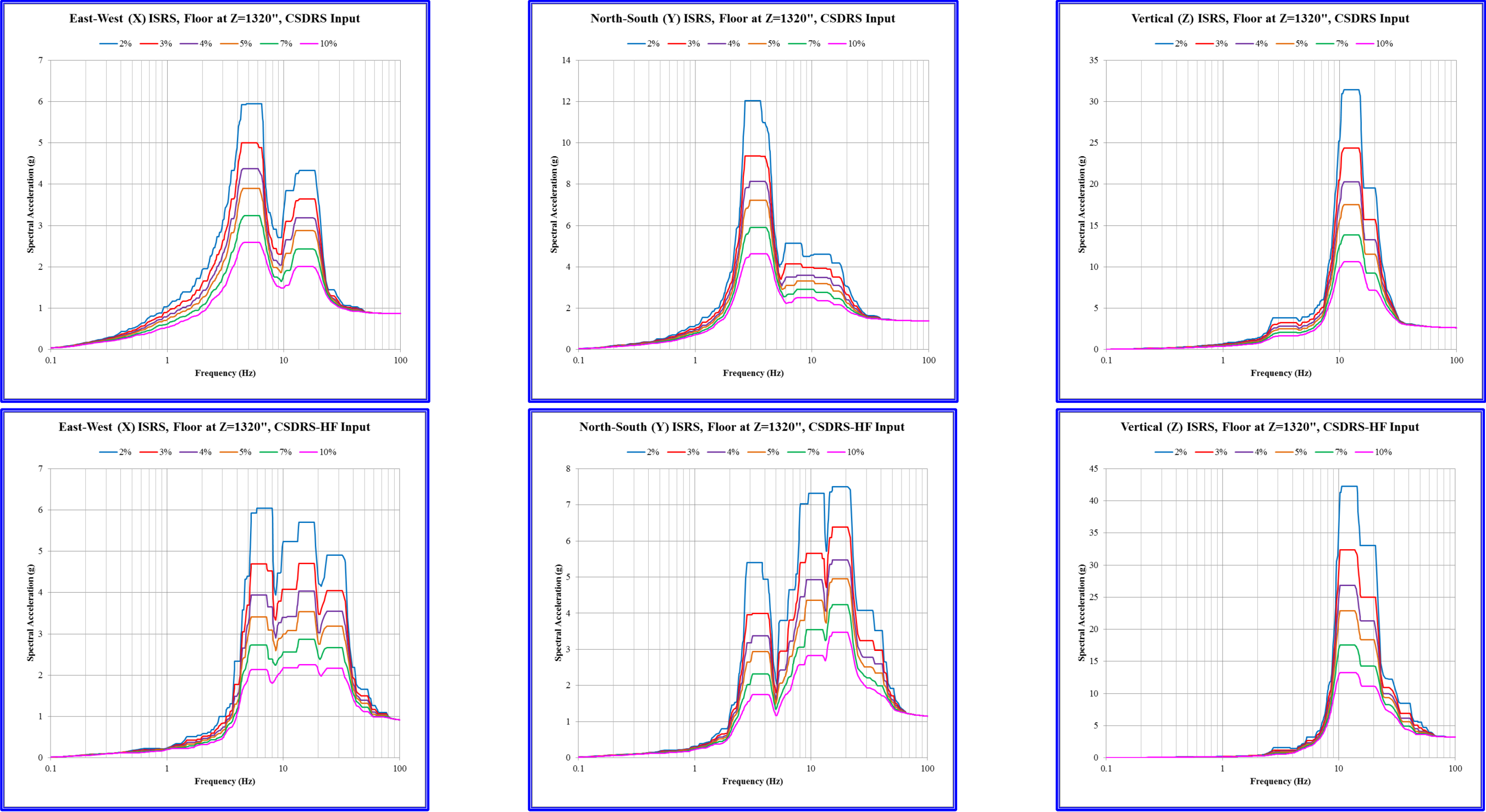


Figure 3.7.2-112: Reactor Building ISRS for Roof at El. 181' 0"

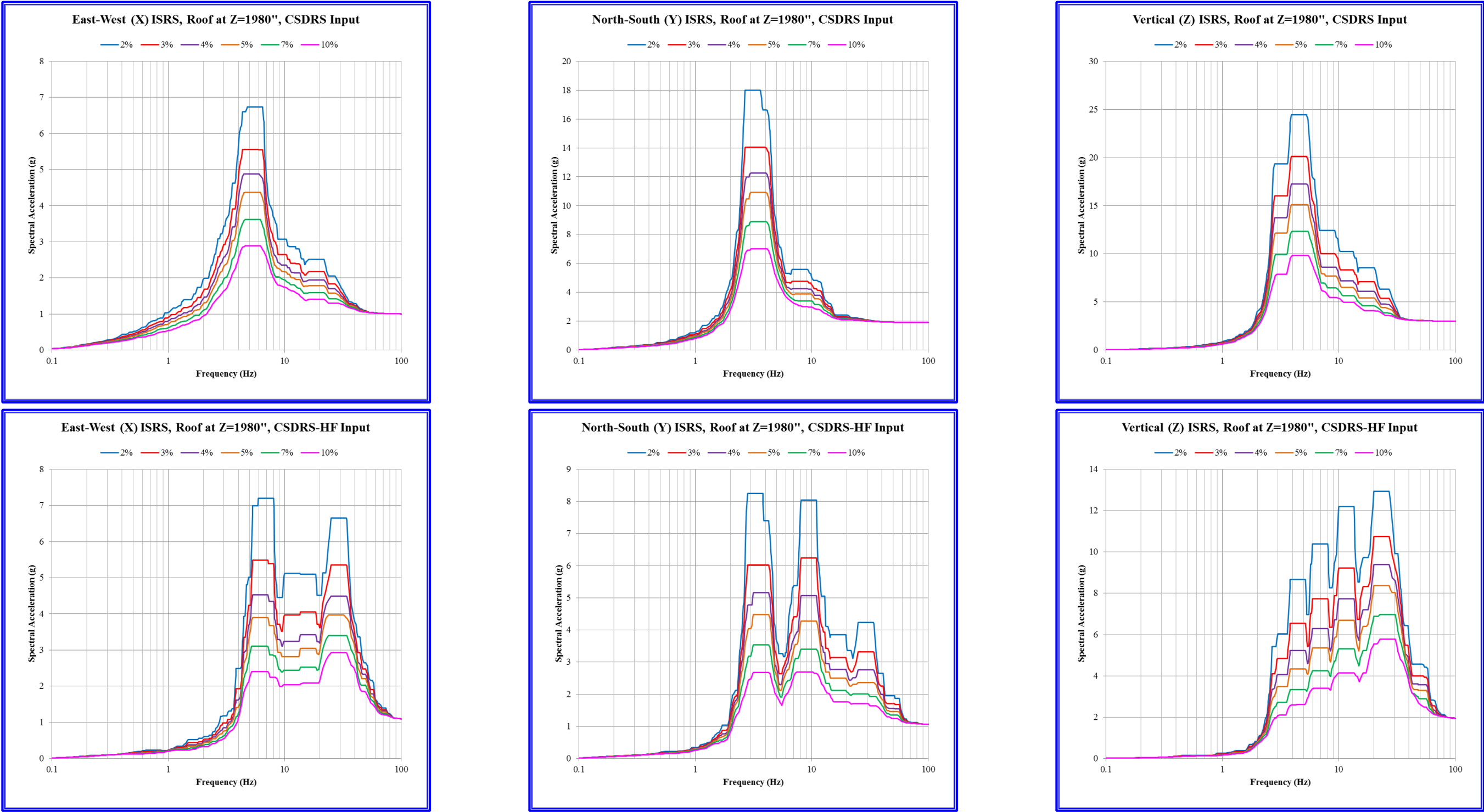


Figure 3.7.2-113: ISRS at Reactor Building Crane Wheels at El. 145' 6"

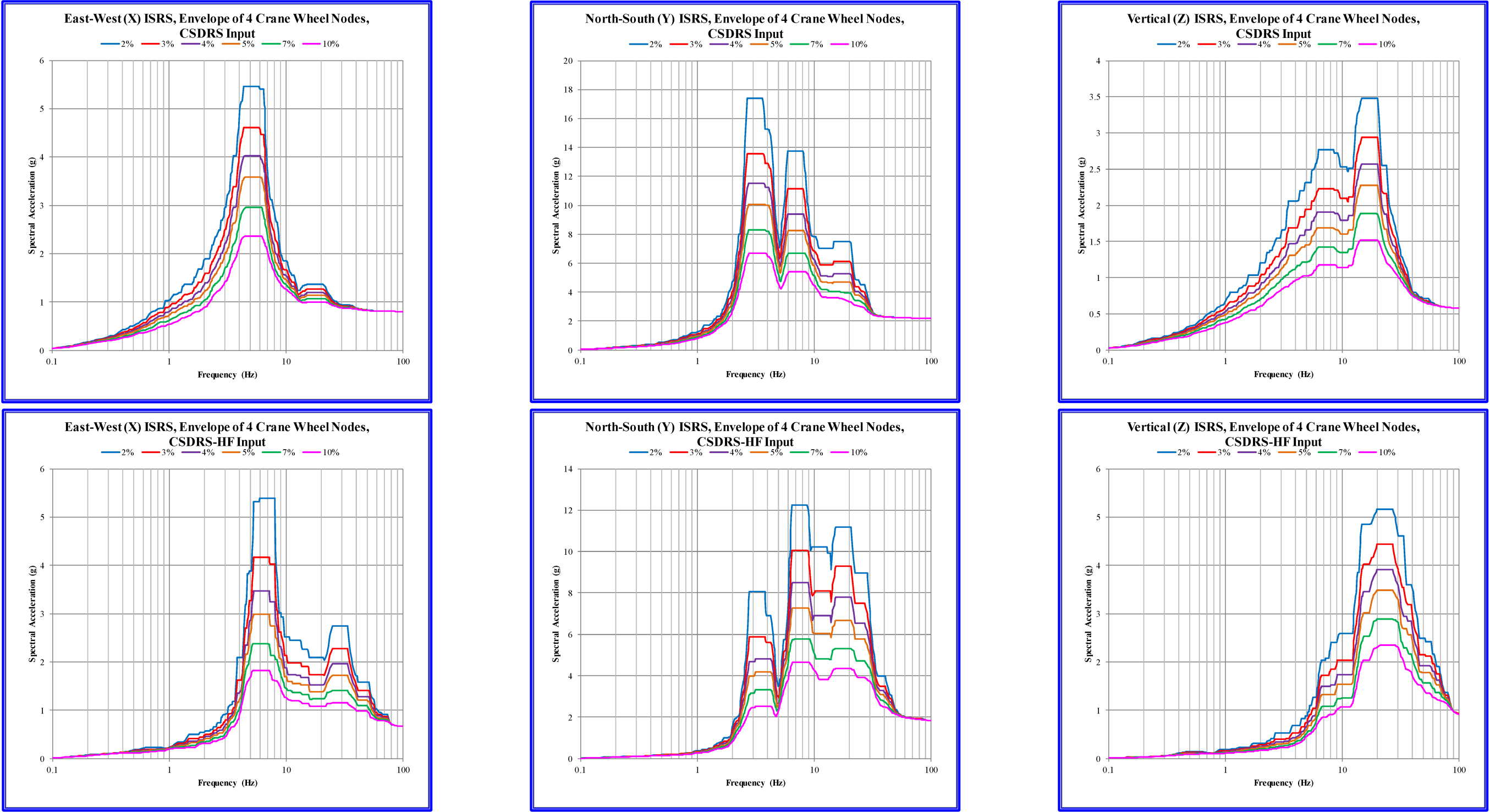


Figure 3.7.2-114: ISRS at NPM Bay Wall at the Pool Floor

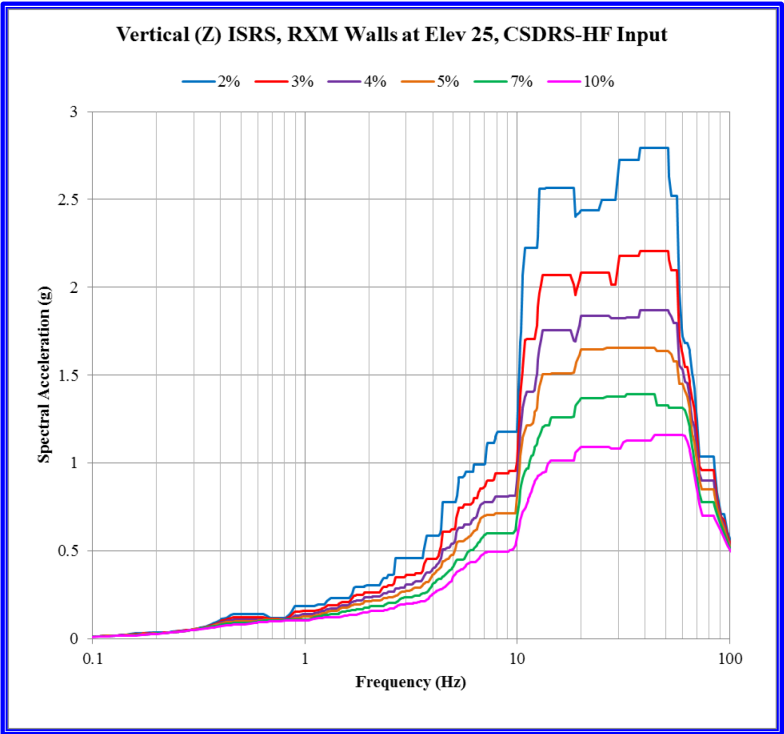
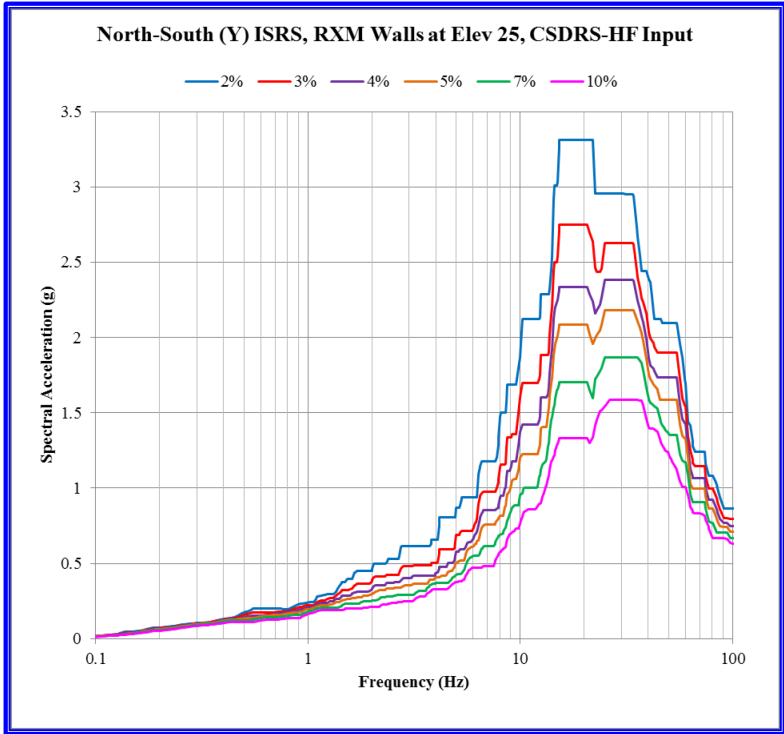
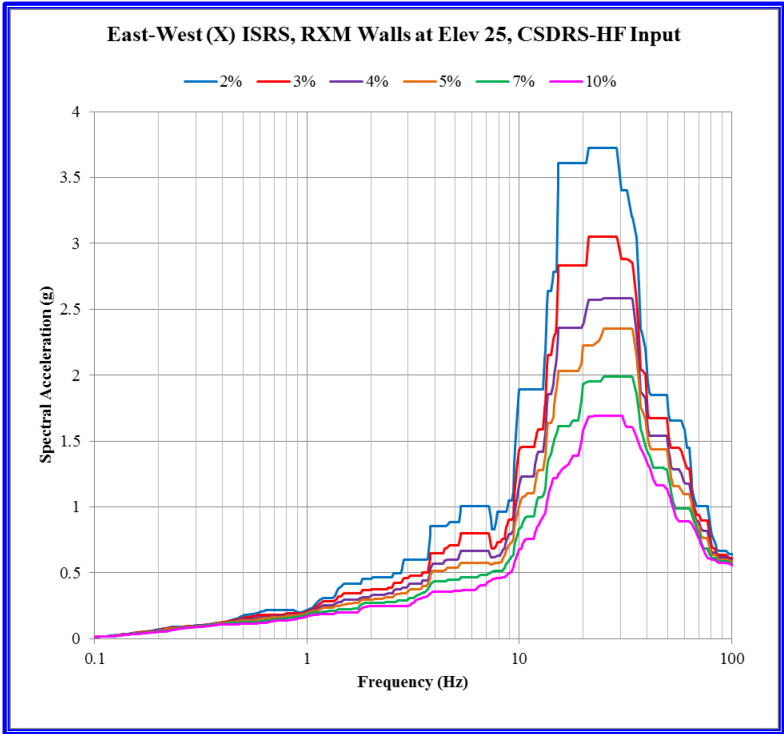
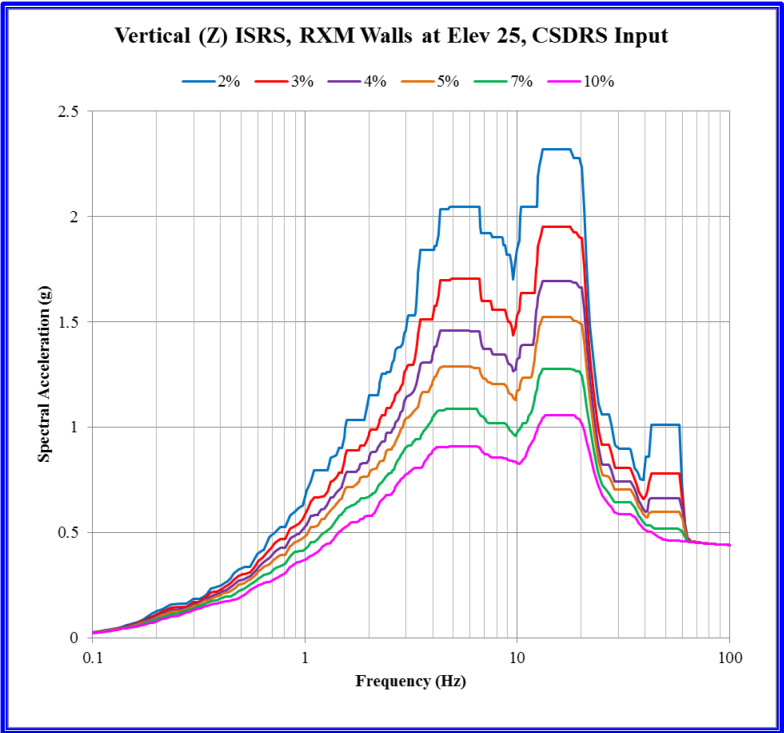
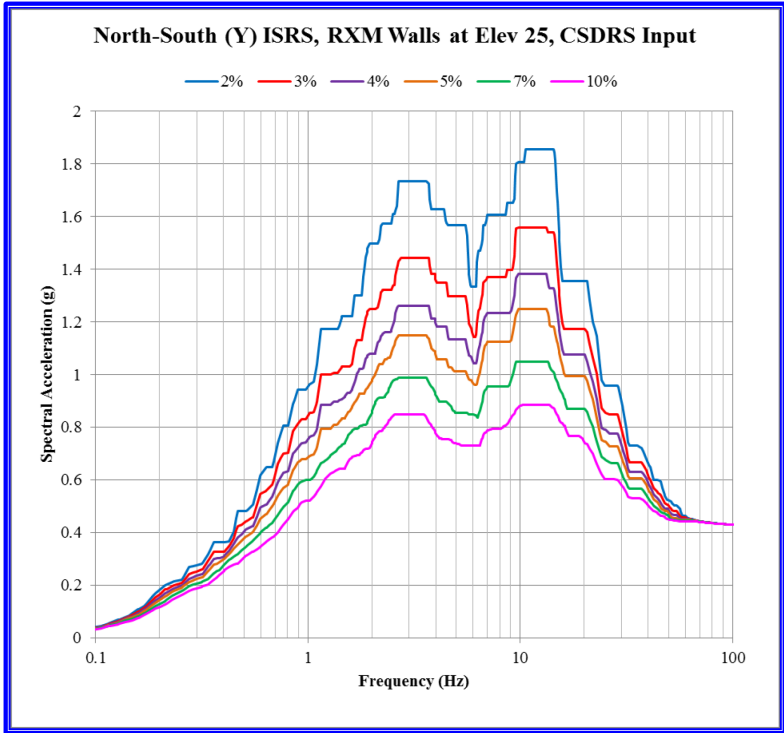
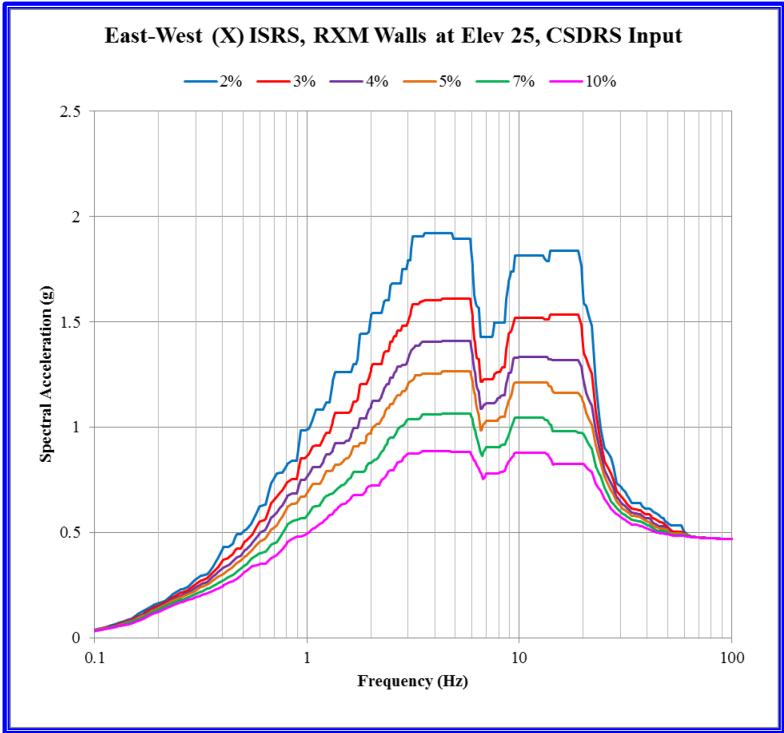


Figure 3.7.2-115: ISRS at NPM Lug Restraints

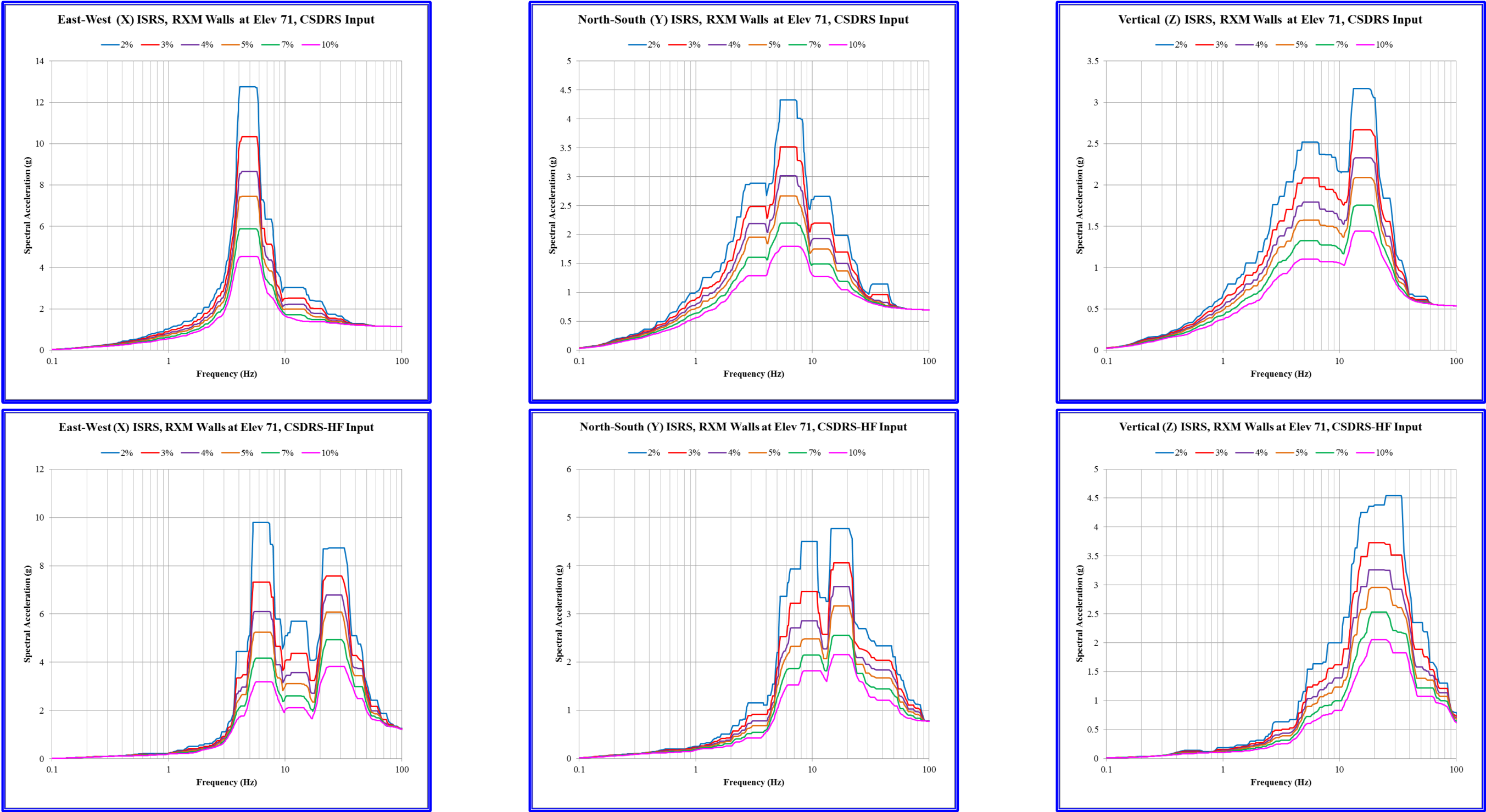


Figure 3.7.2-116: Control Building ISRS at Floor at El. 50' 0"

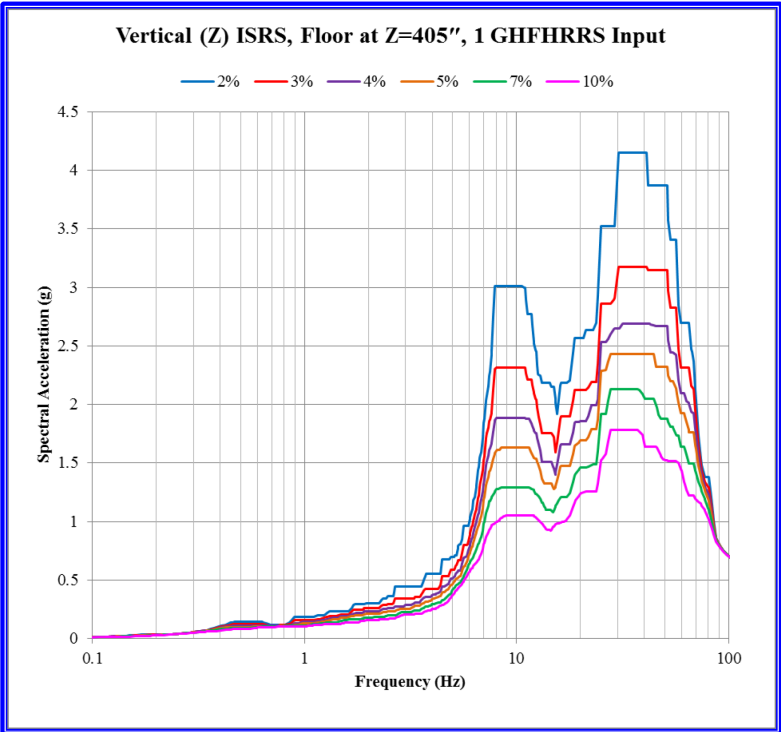
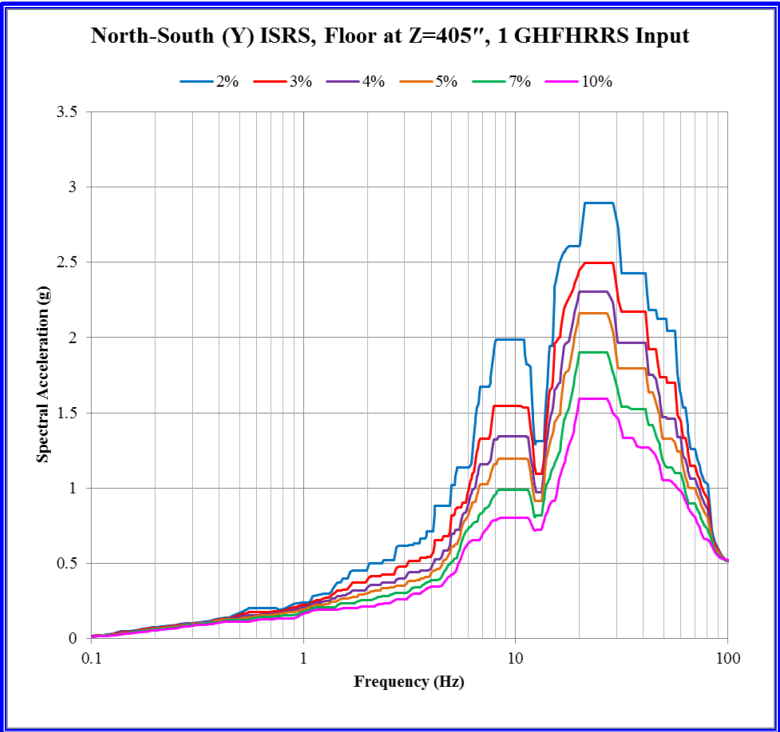
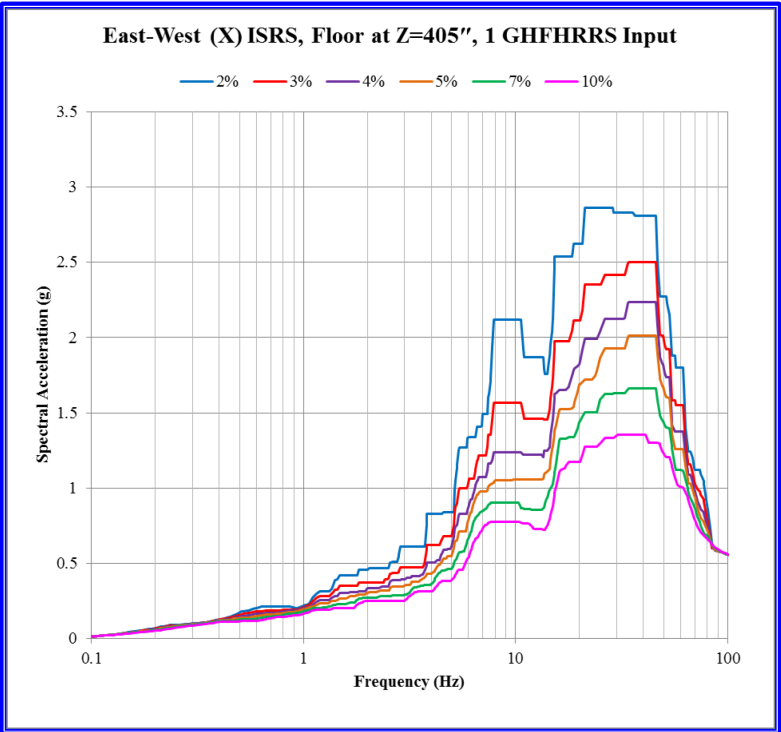
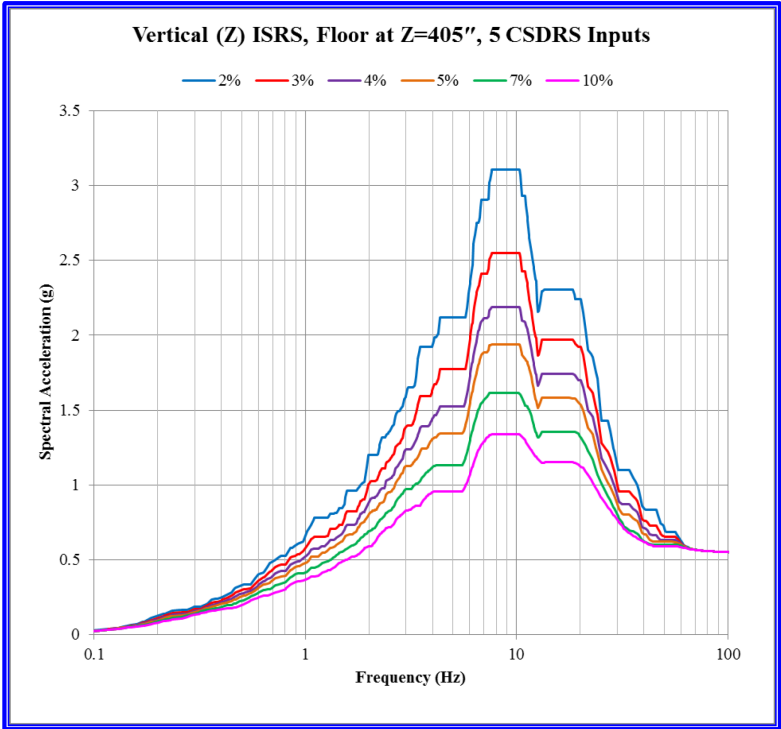
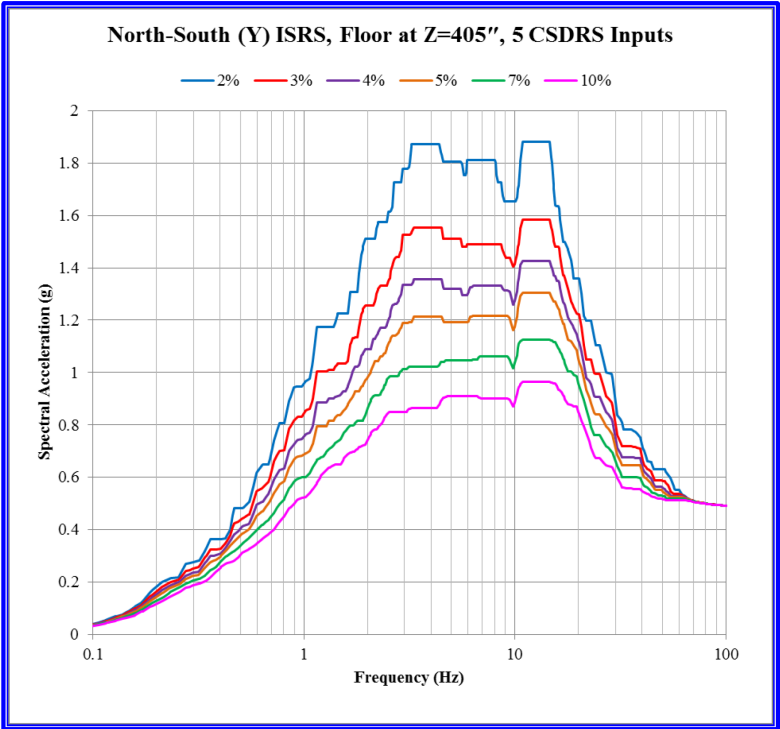
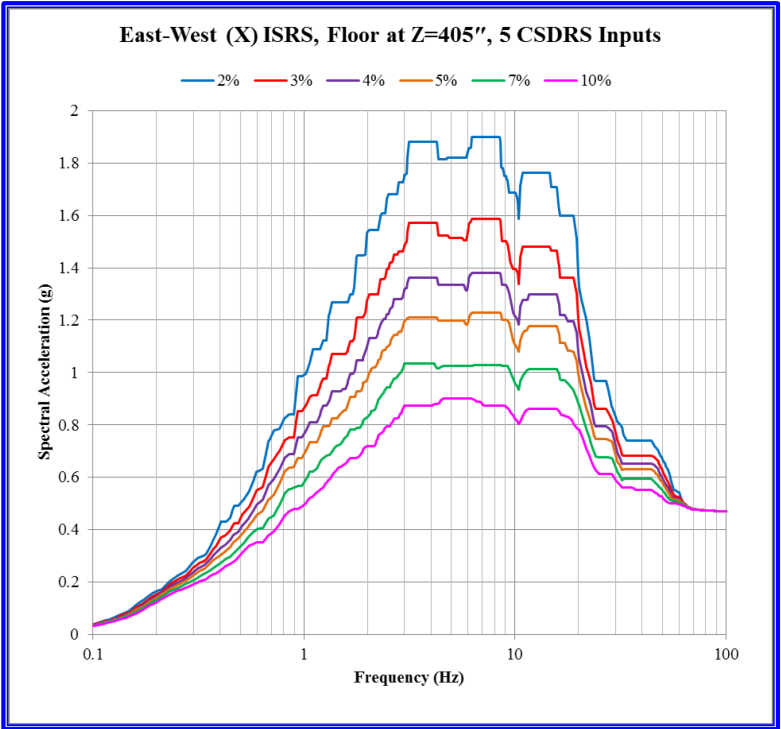


Figure 3.7.2-117: Control Building ISRS at Floor at El. 63' 3"

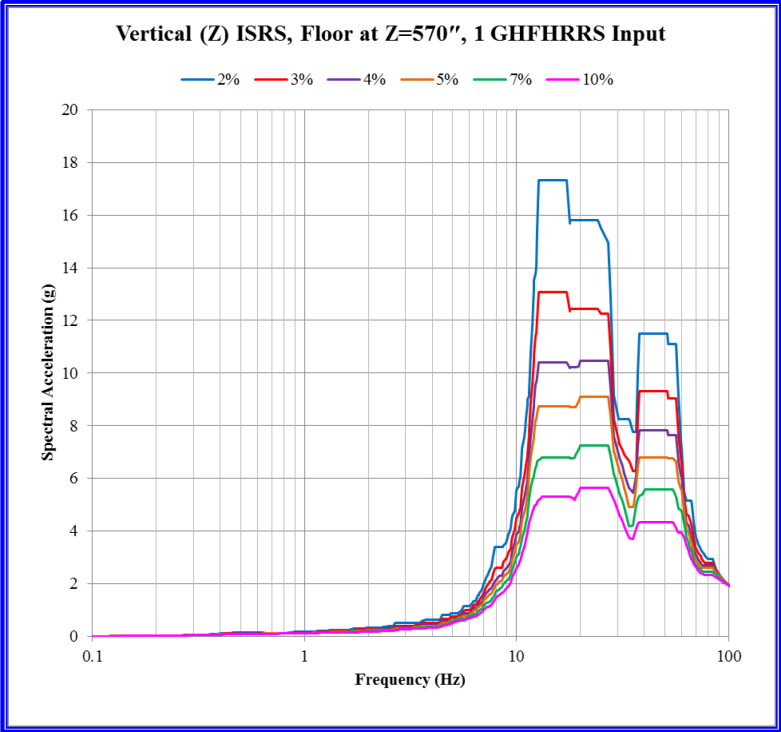
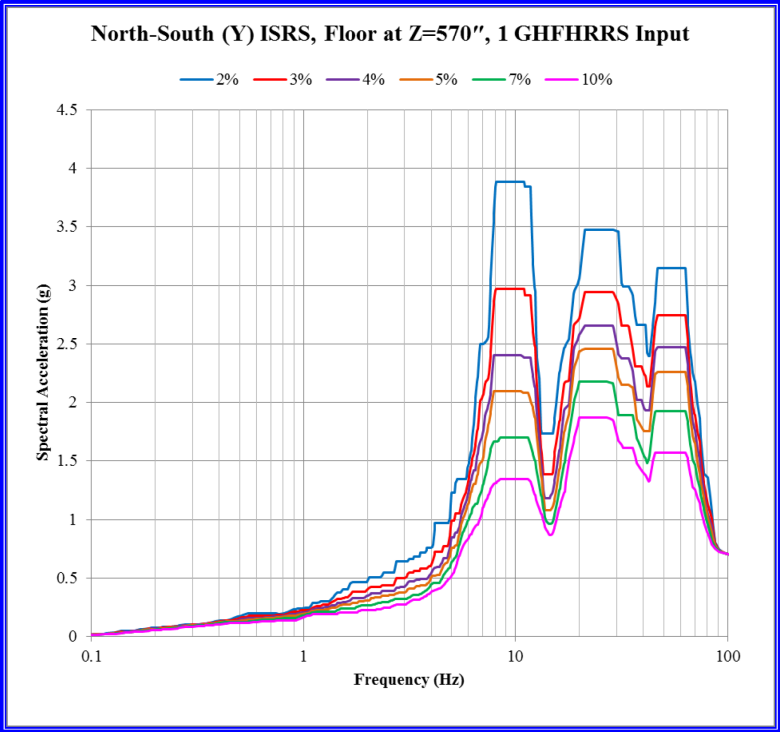
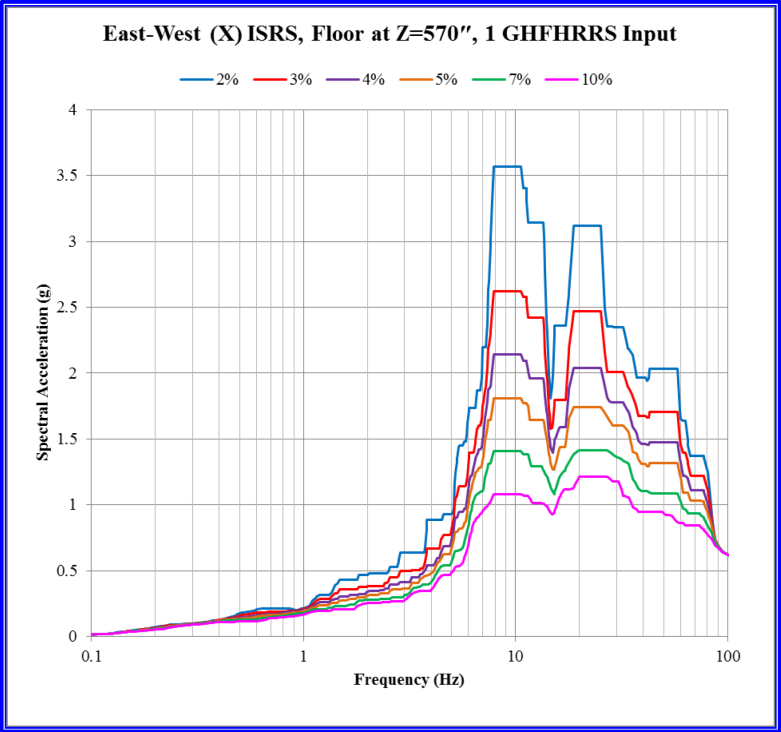
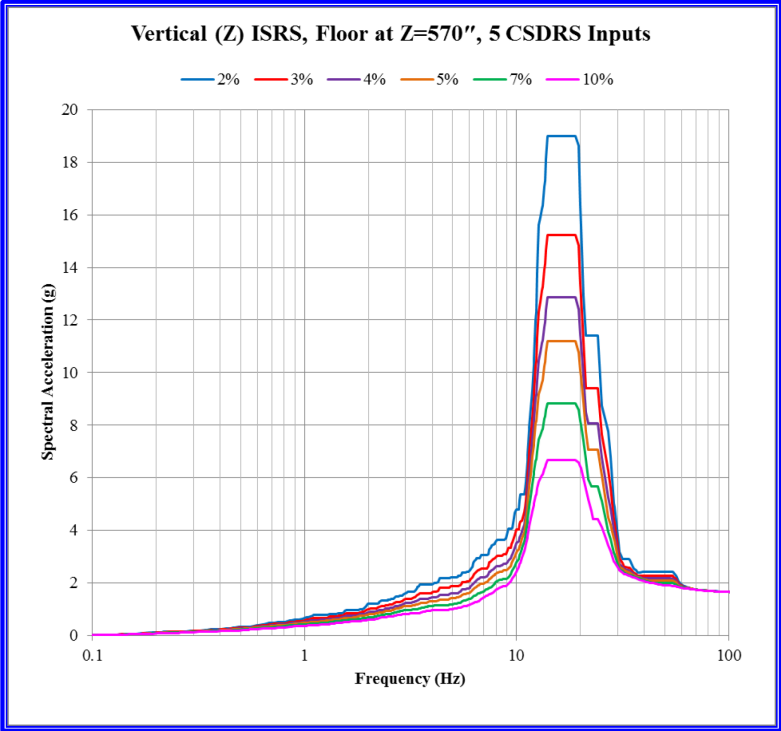
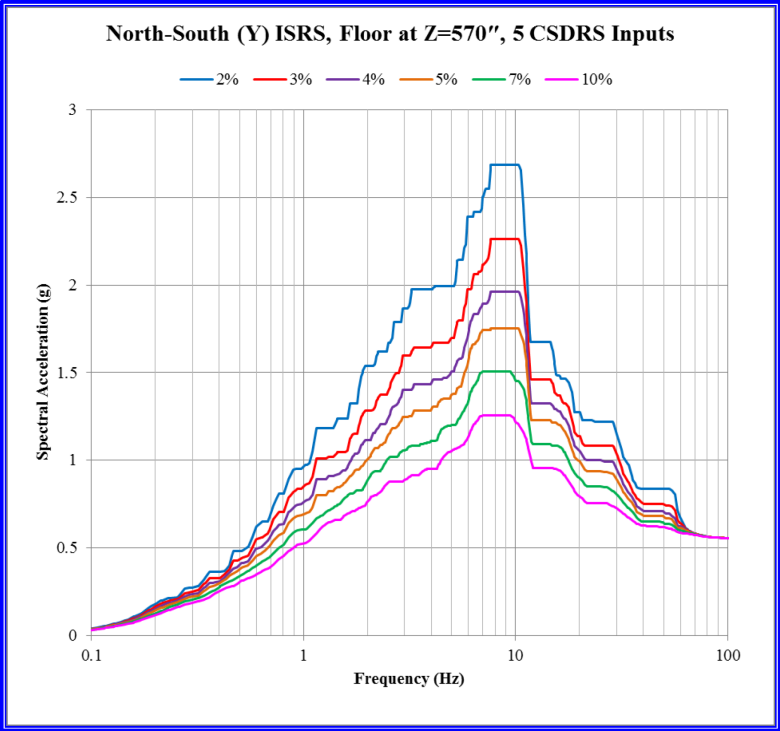
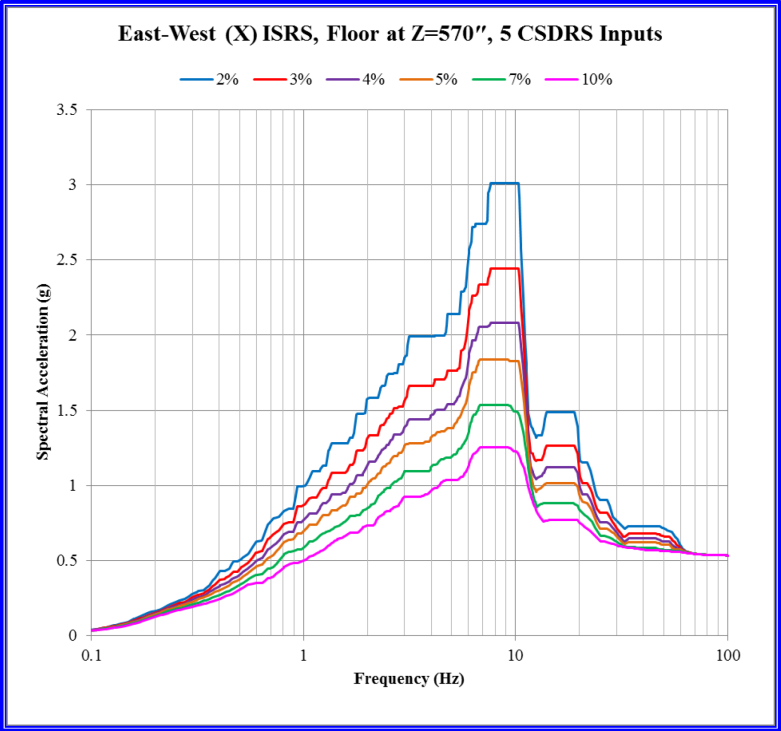


Figure 3.7.2-118: Control Building ISRS at Floor at El. 76' 6"

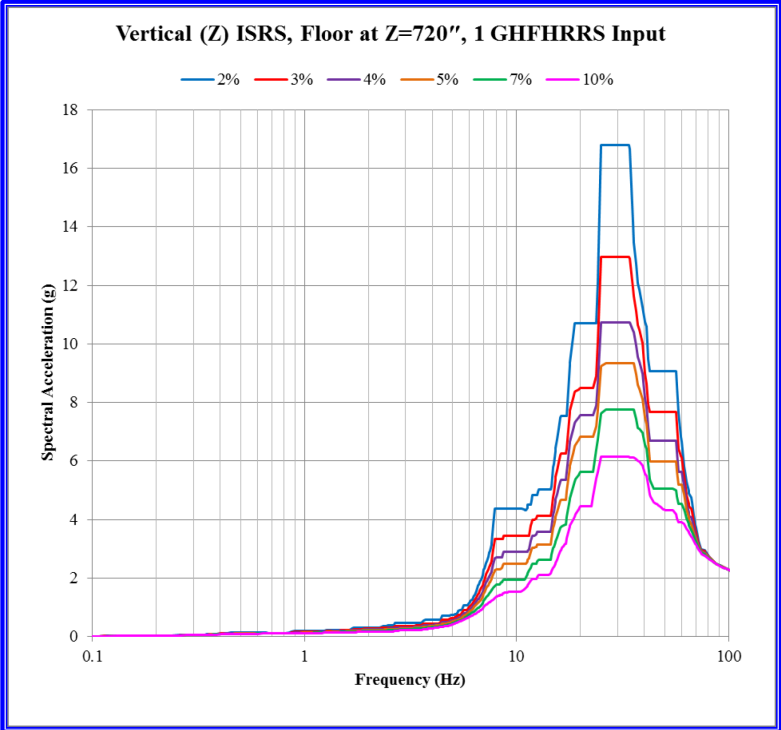
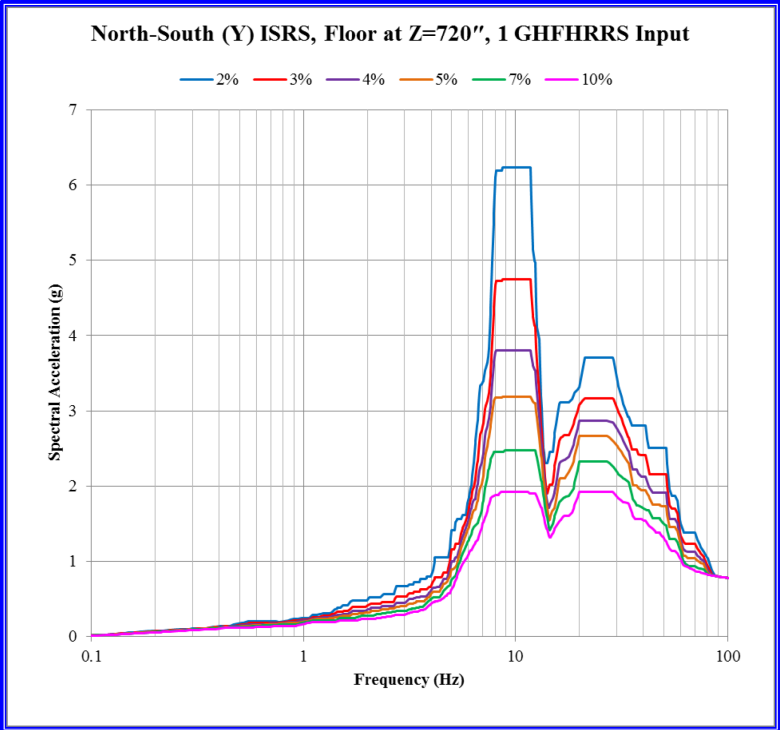
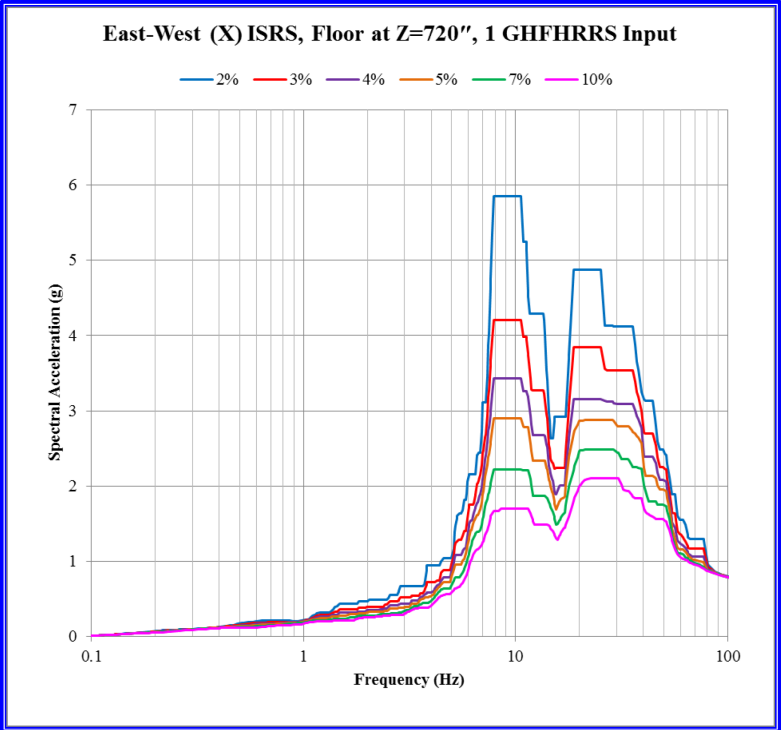
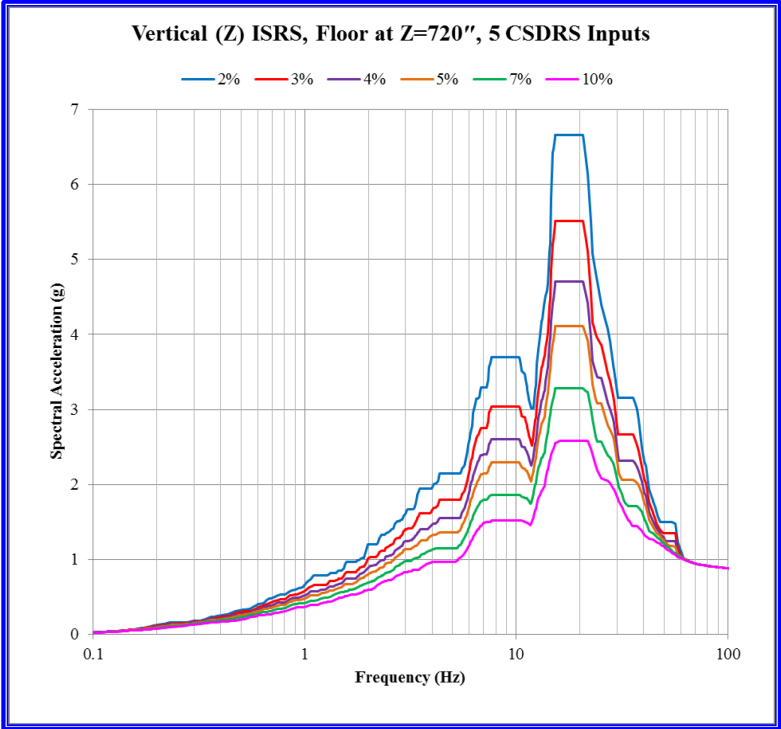
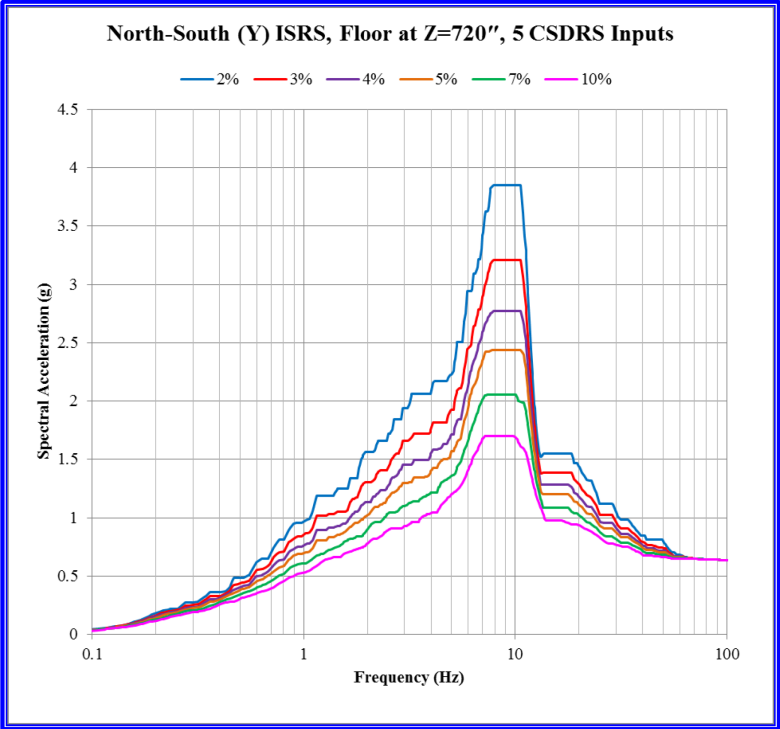
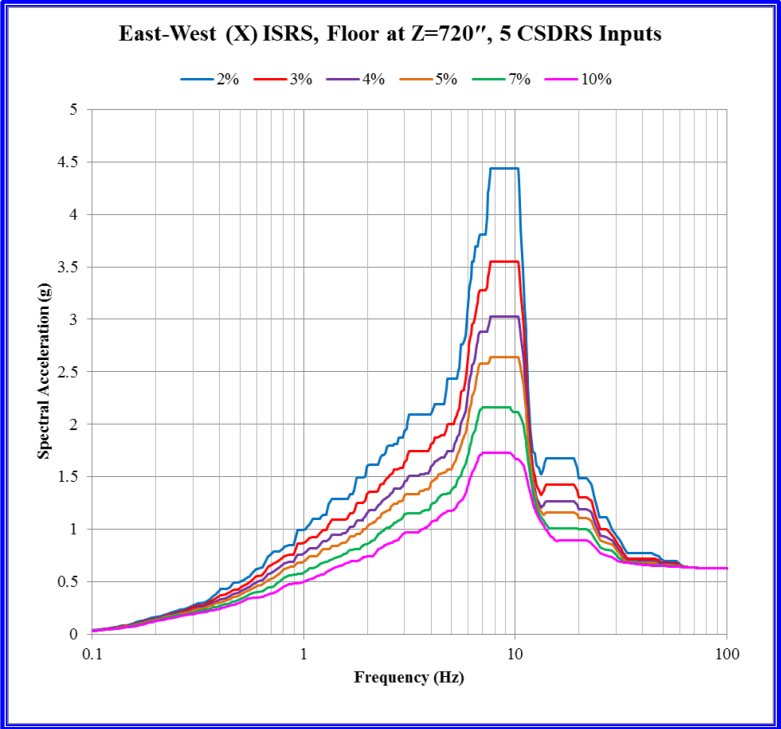


Figure 3.7.2-119: Control Building ISRS at Floor at El. 100' 0"

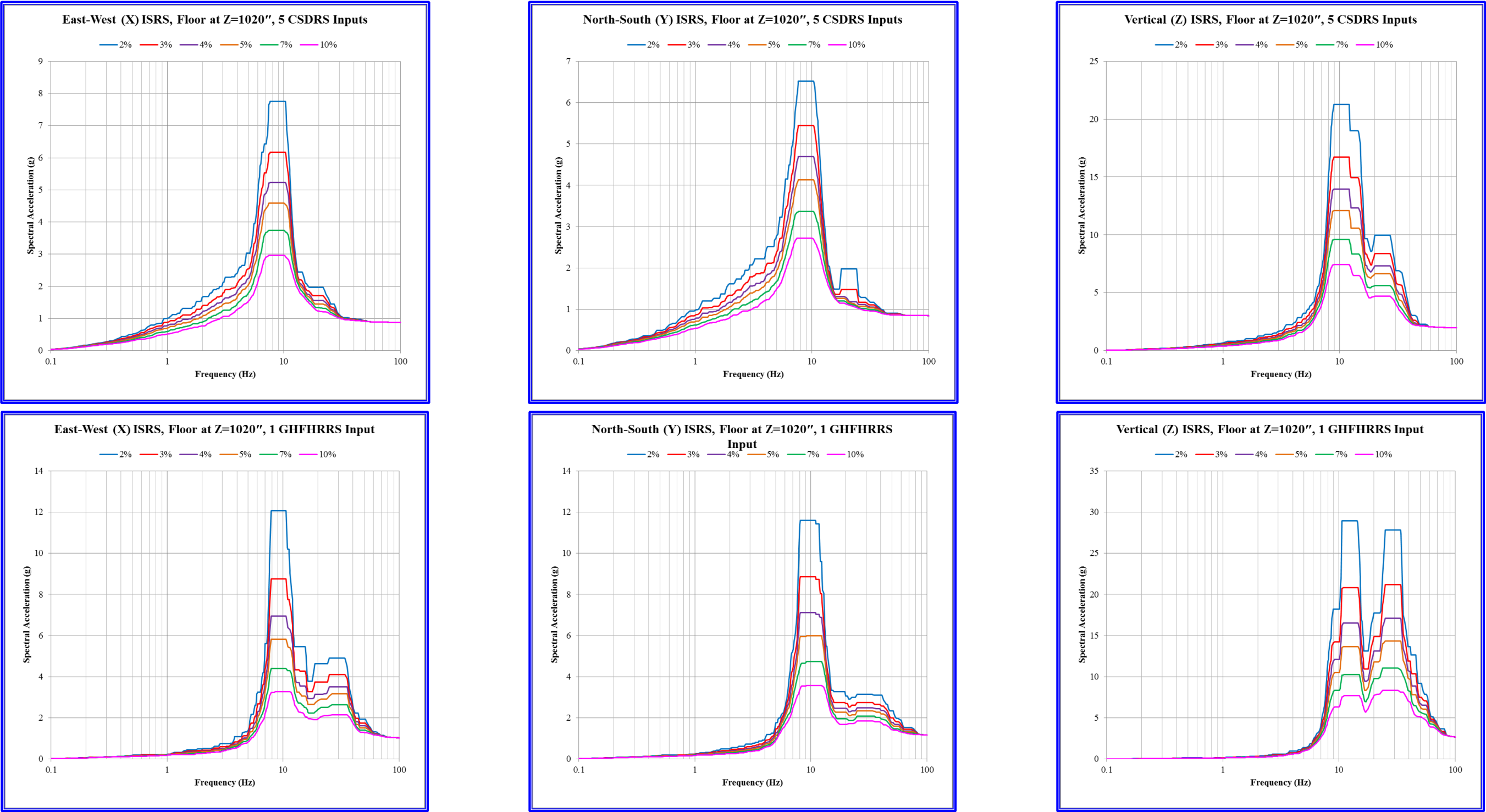


Figure 3.7.2-120: Control Building ISRS at Floor at El. 120' 0"

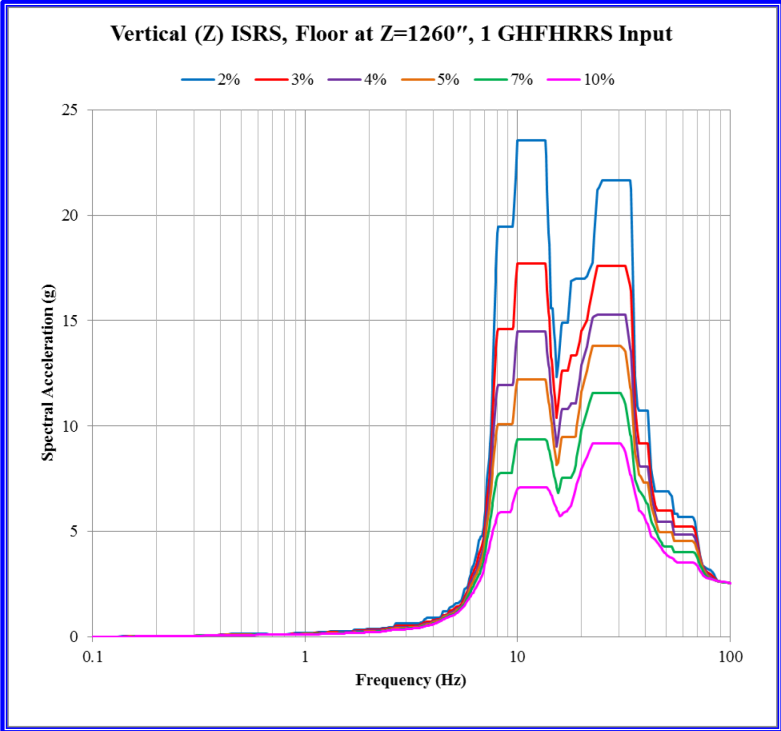
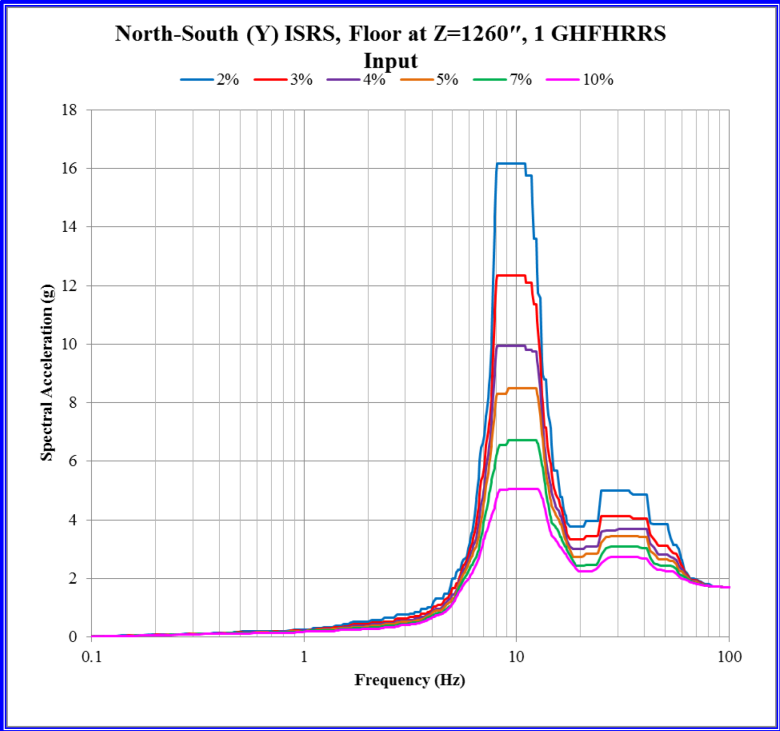
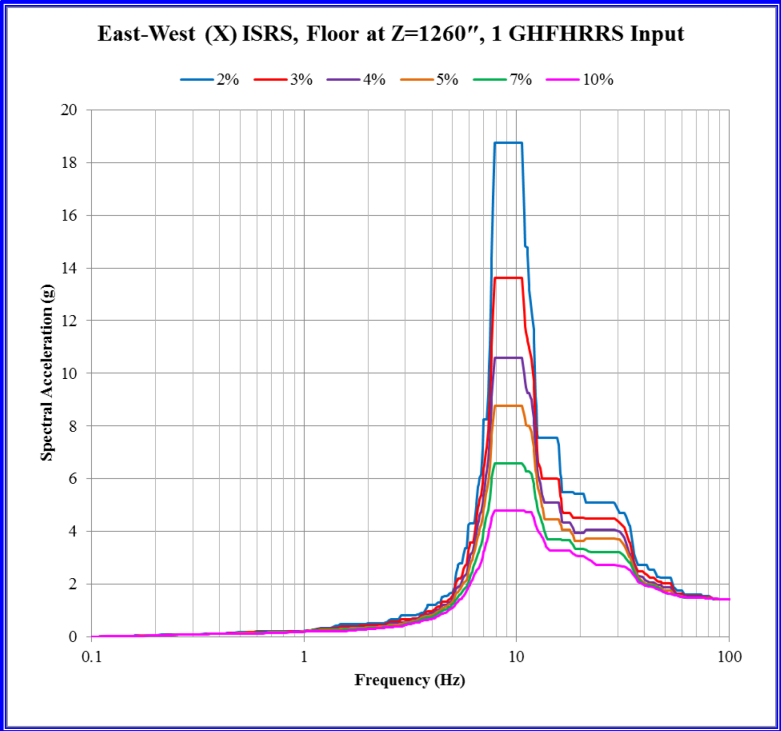
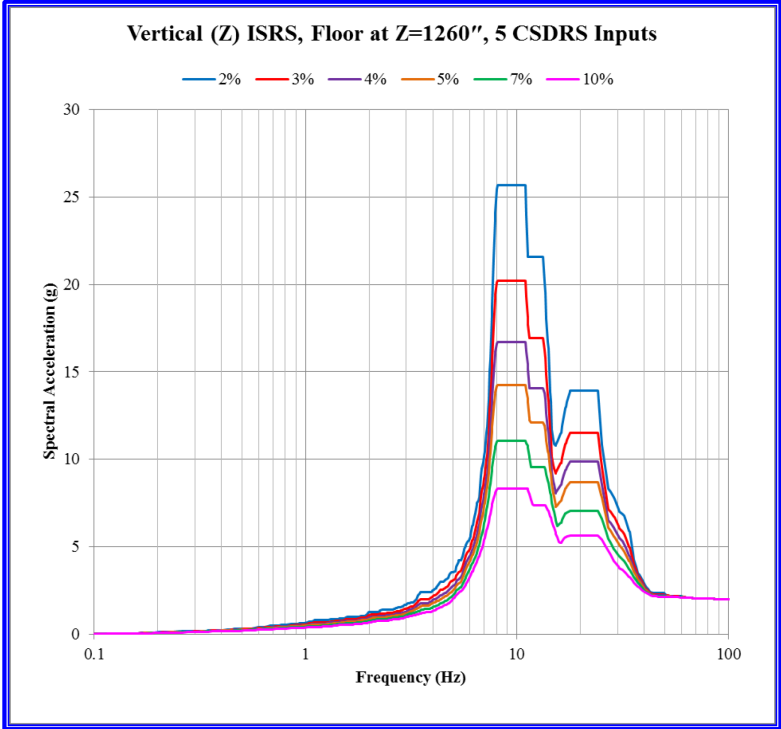
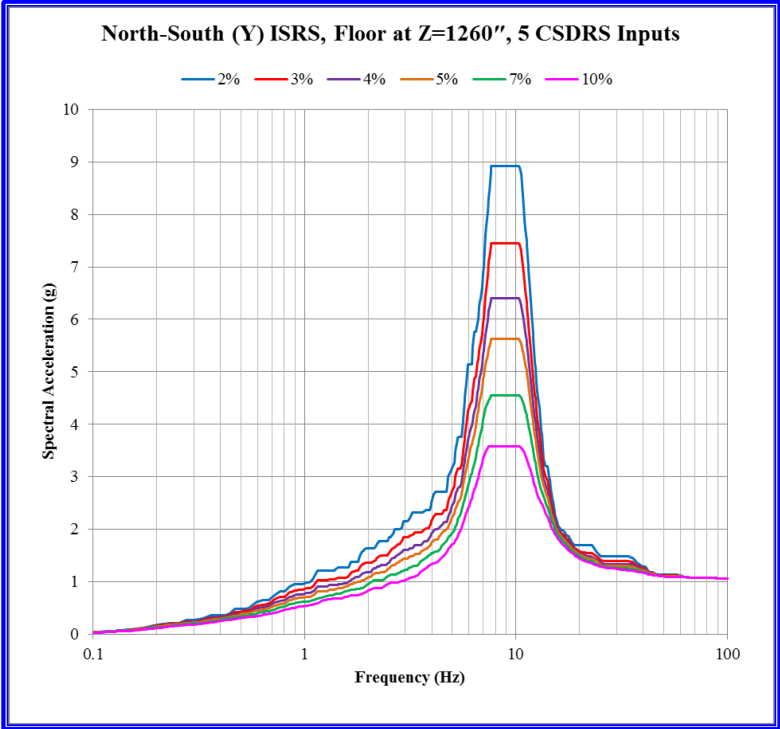
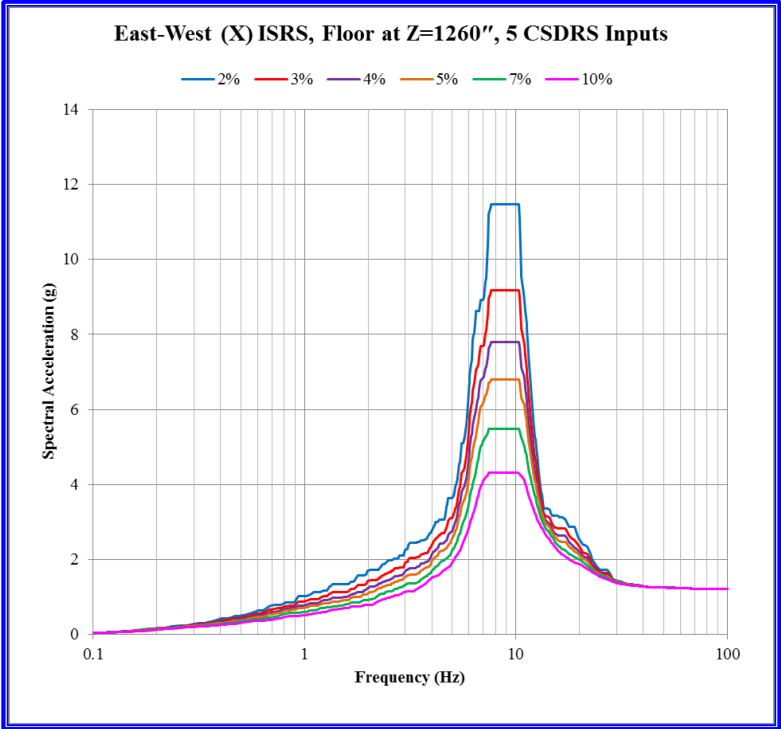


Figure 3.7.2-121: Control Building ISRS at Roof at El. 140' 0"

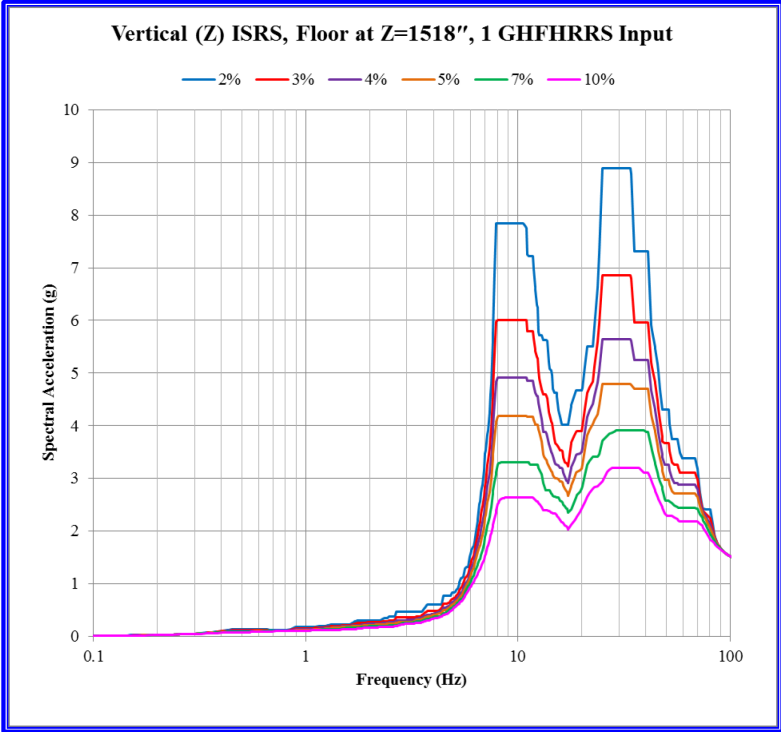
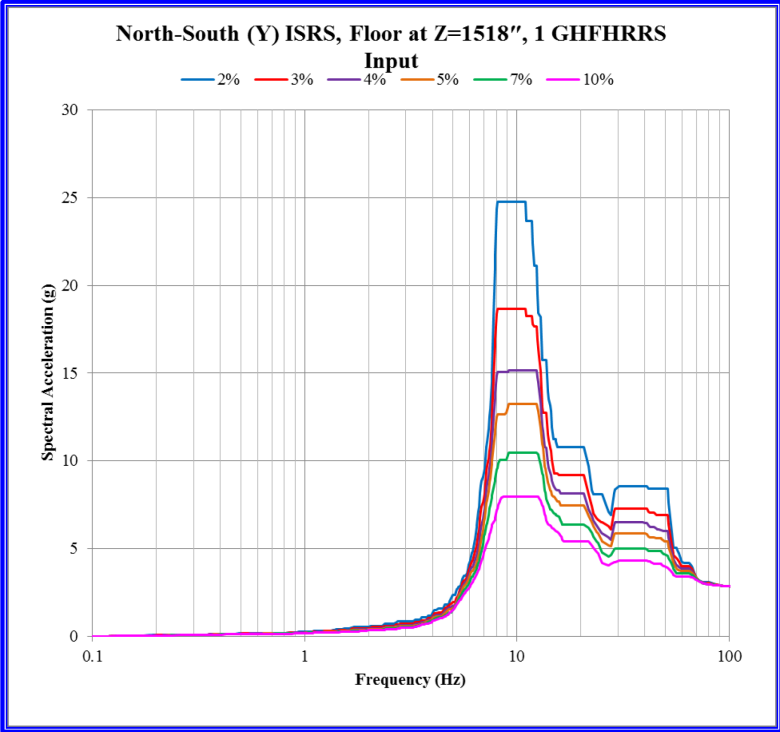
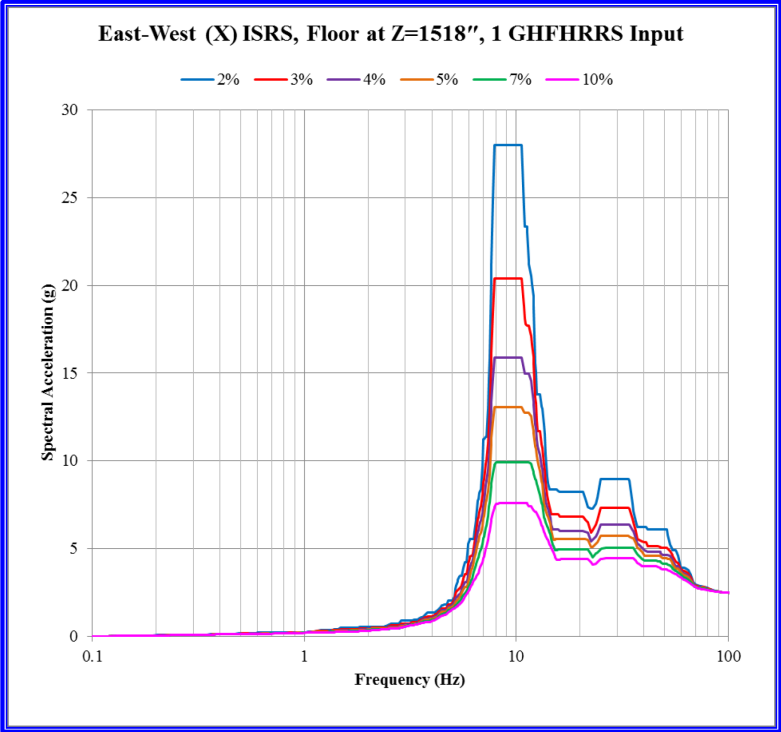
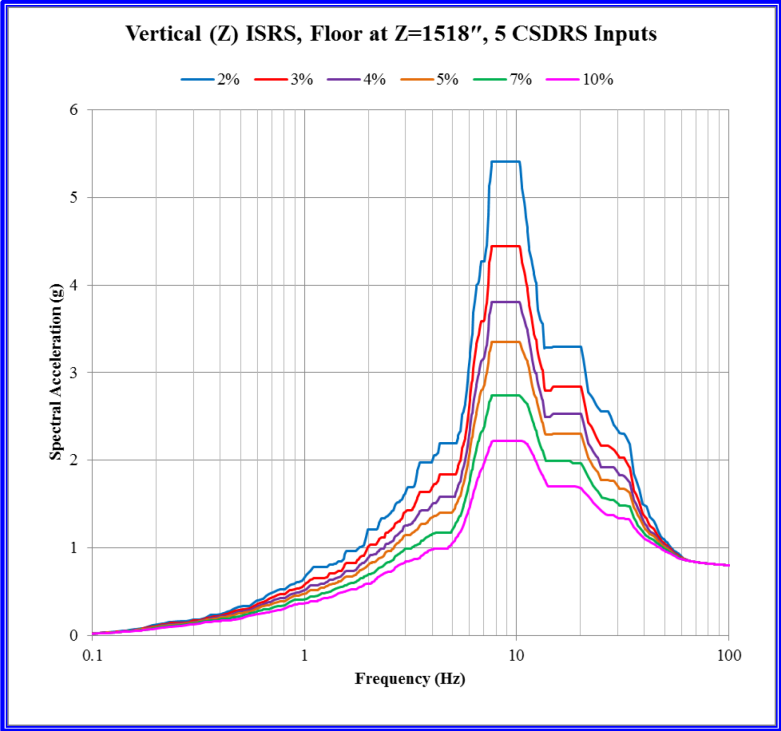
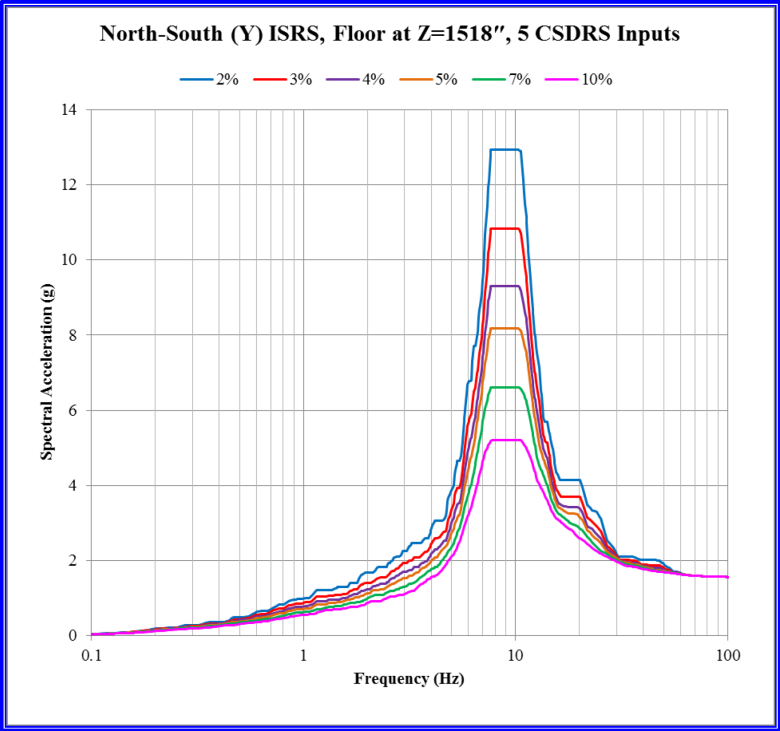
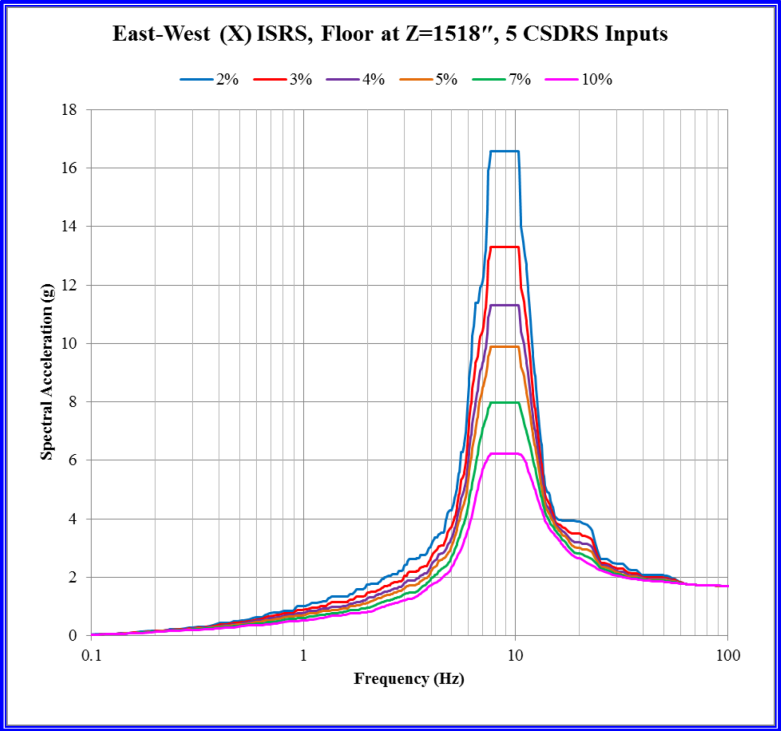


Figure 3.7.2-122: Comparison of 12 NPM and 7 NPM Model Results at Northwest Corner on Top of Basement (EL. 24'-0")

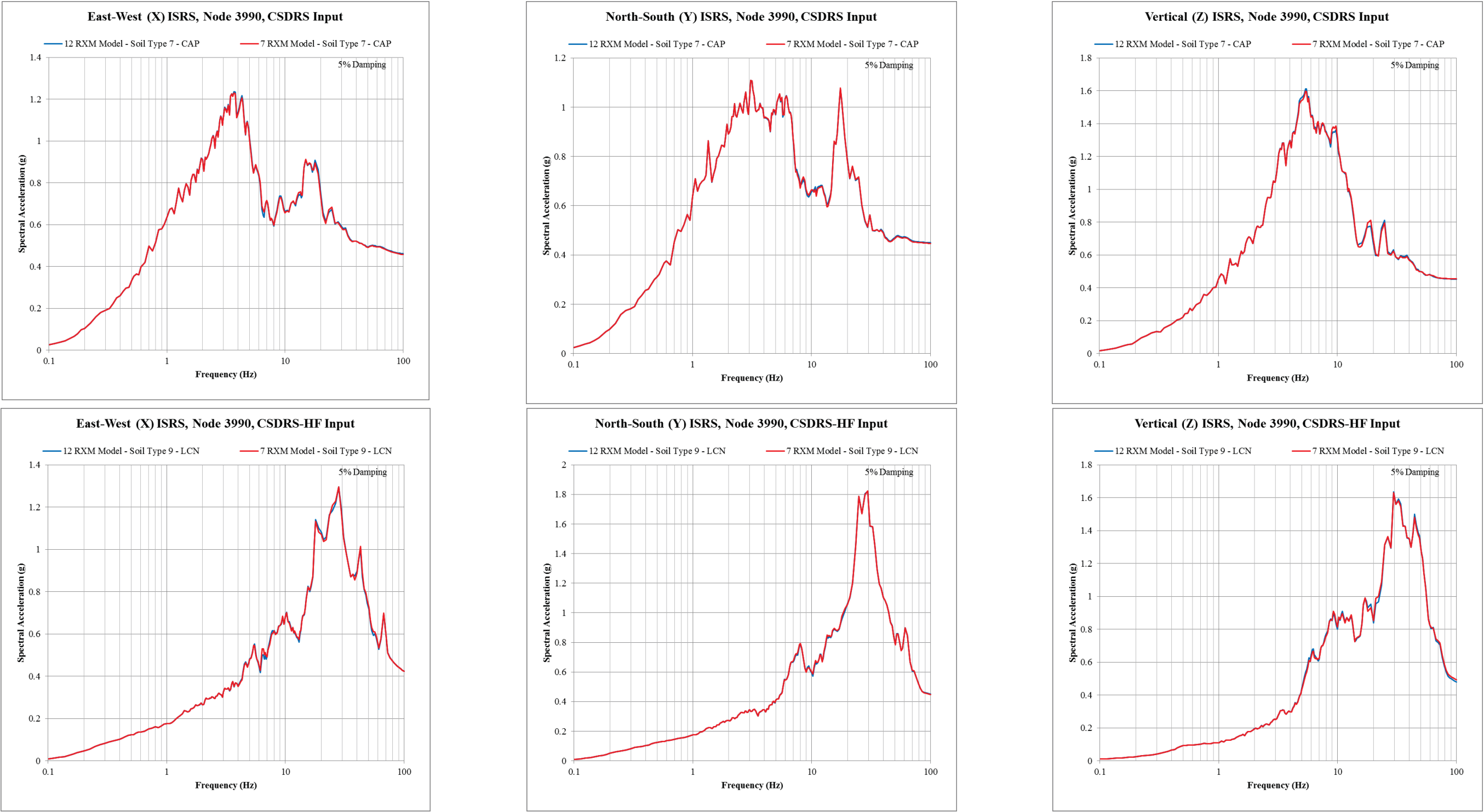


Figure 3.7.2-123: Comparison of 12 NPM and 7 NPM Model Results at Mid-Span of North Wall on Top of Basement (EL. 24'-0")

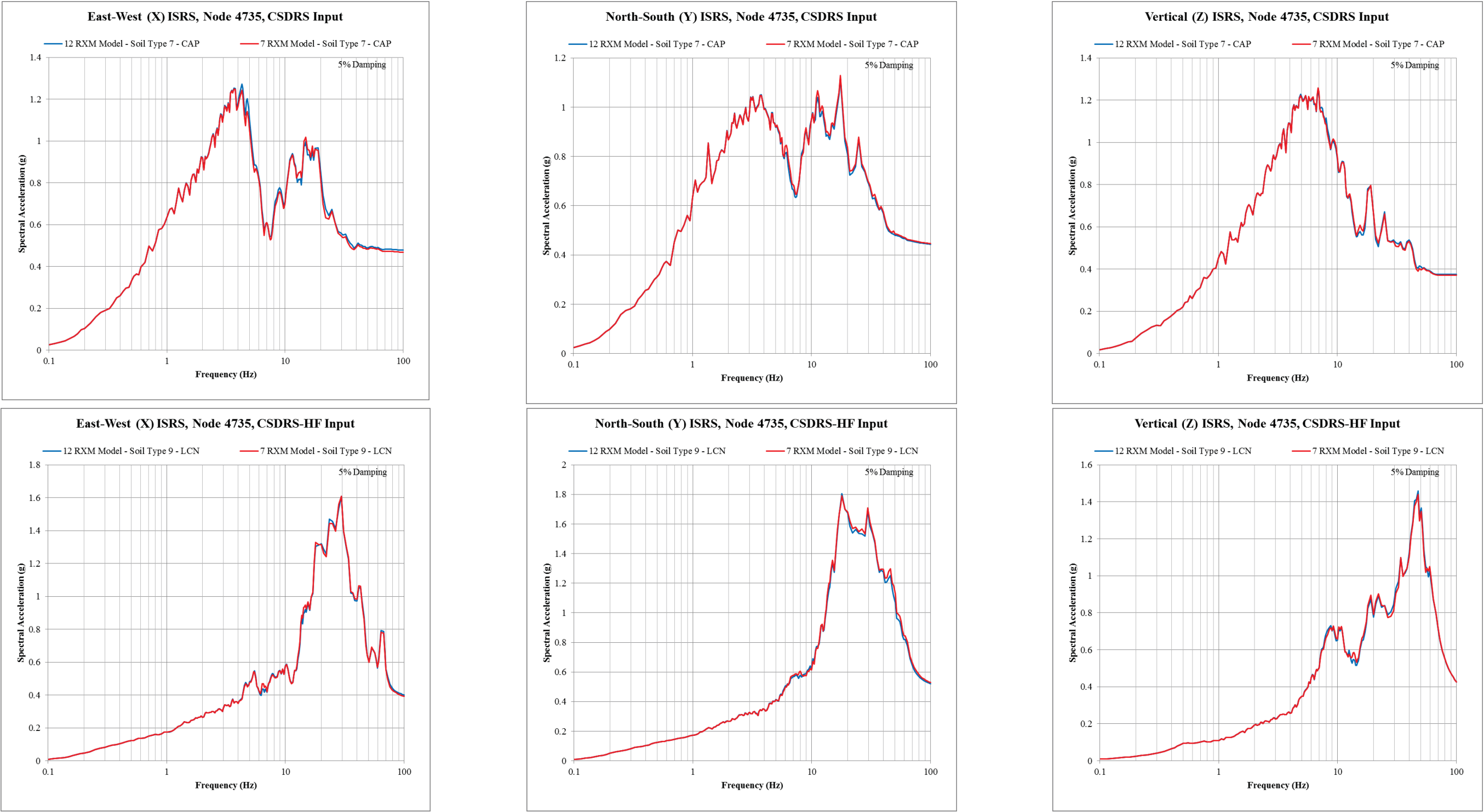


Figure 3.7.2-124: Comparison of 12 NPM and 7 NPM Model Results at Northeast Corner on Top of Basement (EL. 24'-0")

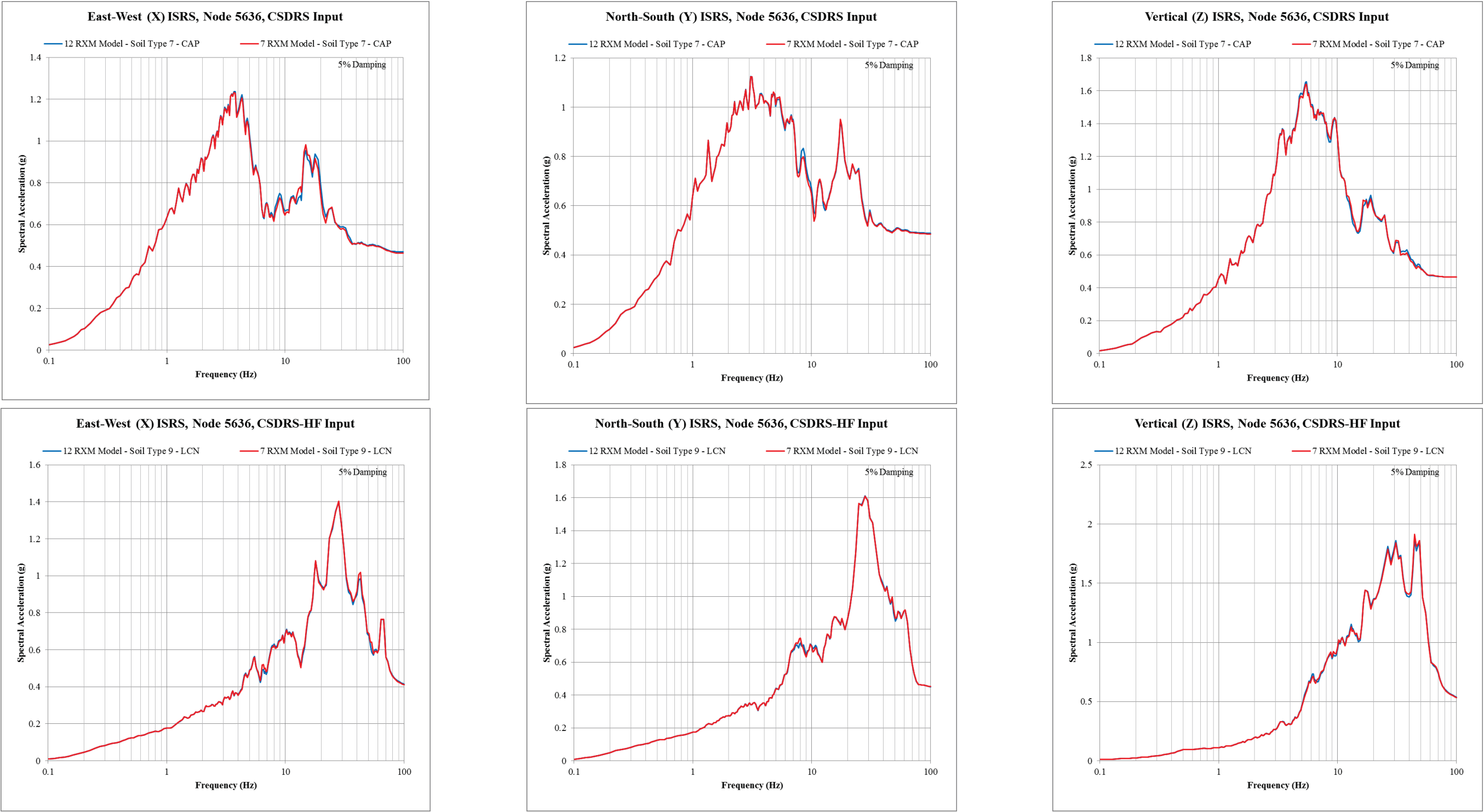


Figure 3.7.2-125: Comparison of 12 NPM and 7 NPM Model Results at Northwest Corner on Top of Roof Slab (EL. 181'-0")

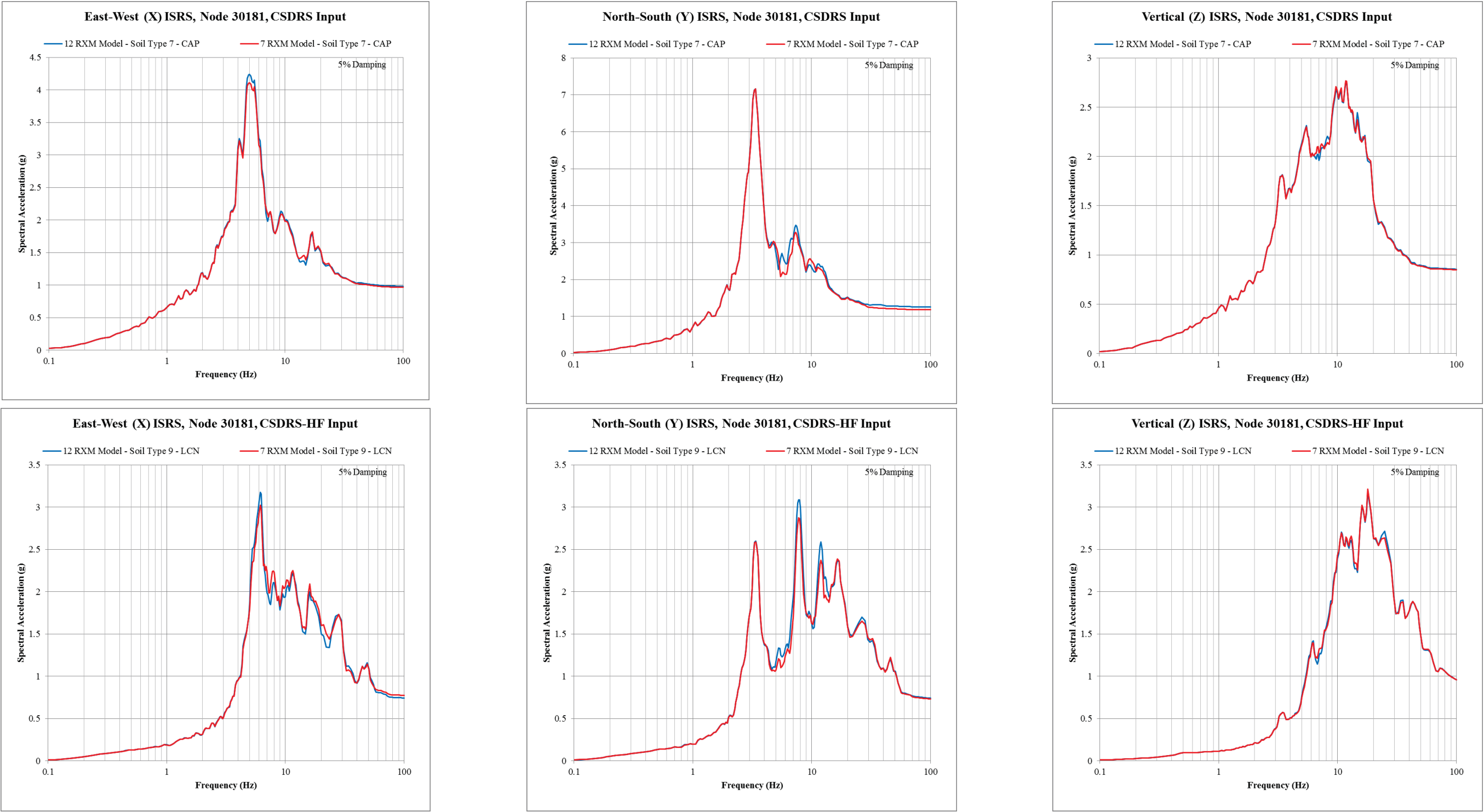


Figure 3.7.2-126: Comparison of 12 NPM and 7 NPM Model Results at Mid-Span of Roof Slab (EL. 181'-0")

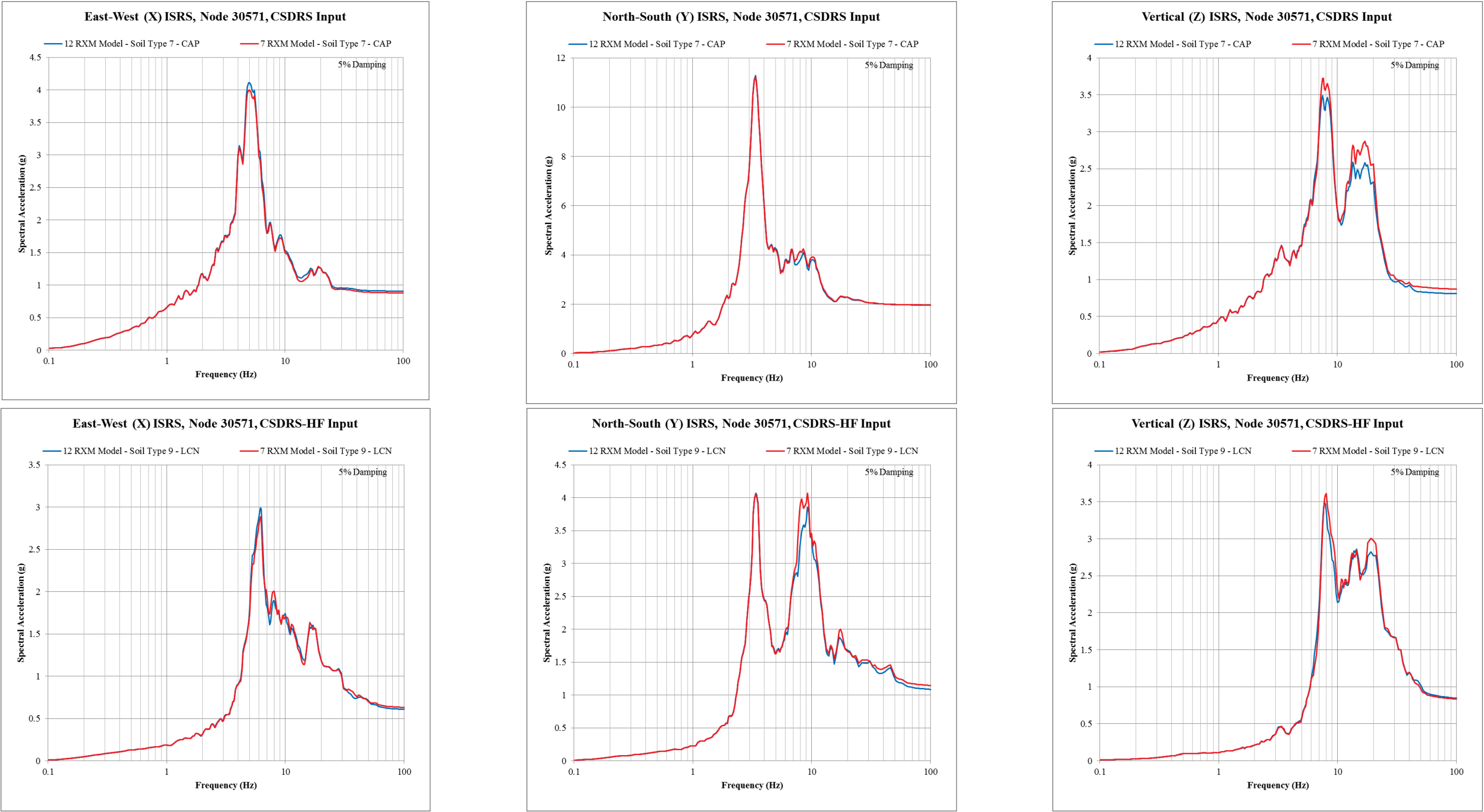


Figure 3.7.2-127: Comparison of 12 NPM and 7 NPM Model Results at Northwest Corner of Roof Slab (EL. 181'-0")

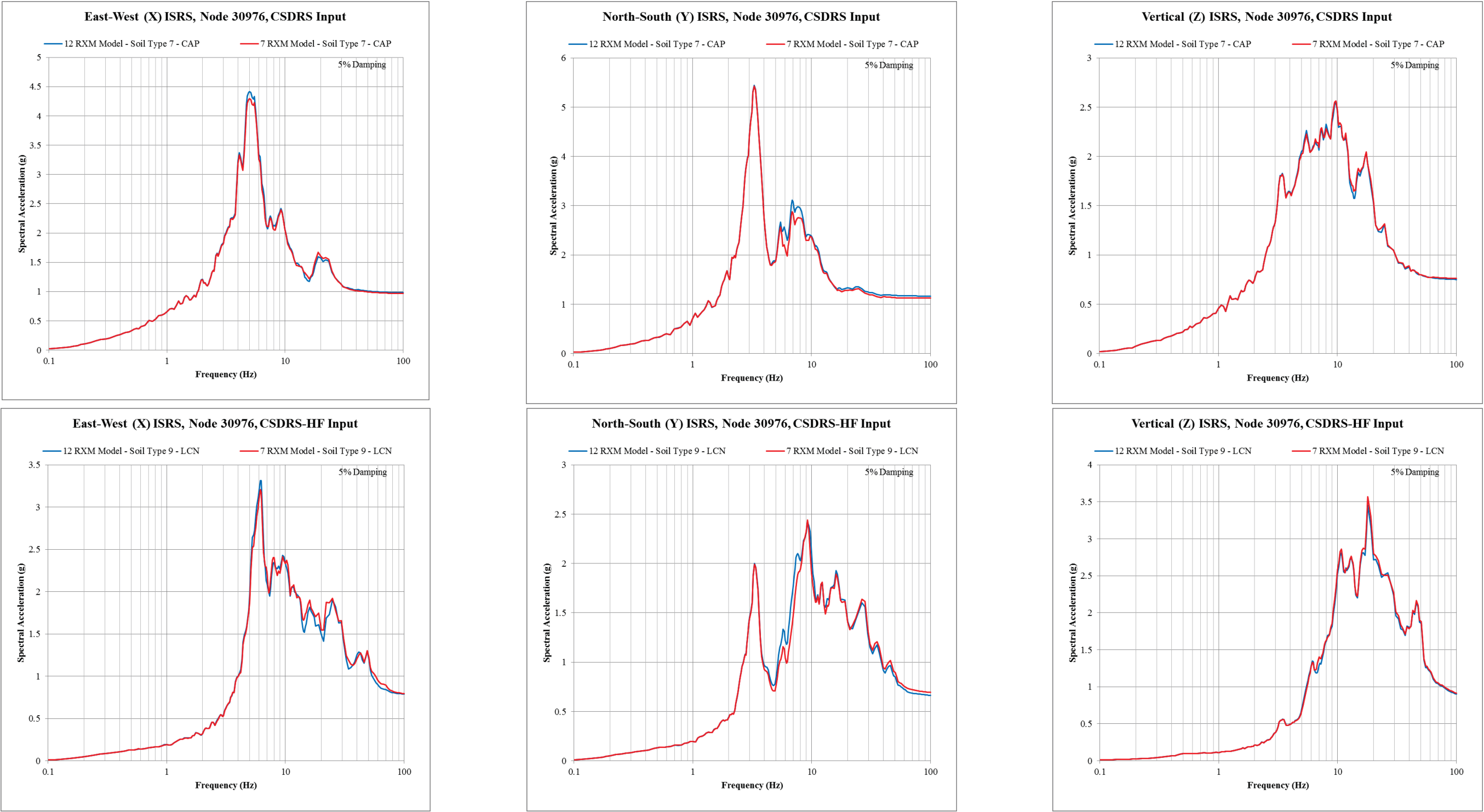


Figure 3.7.3-1: Bioshield

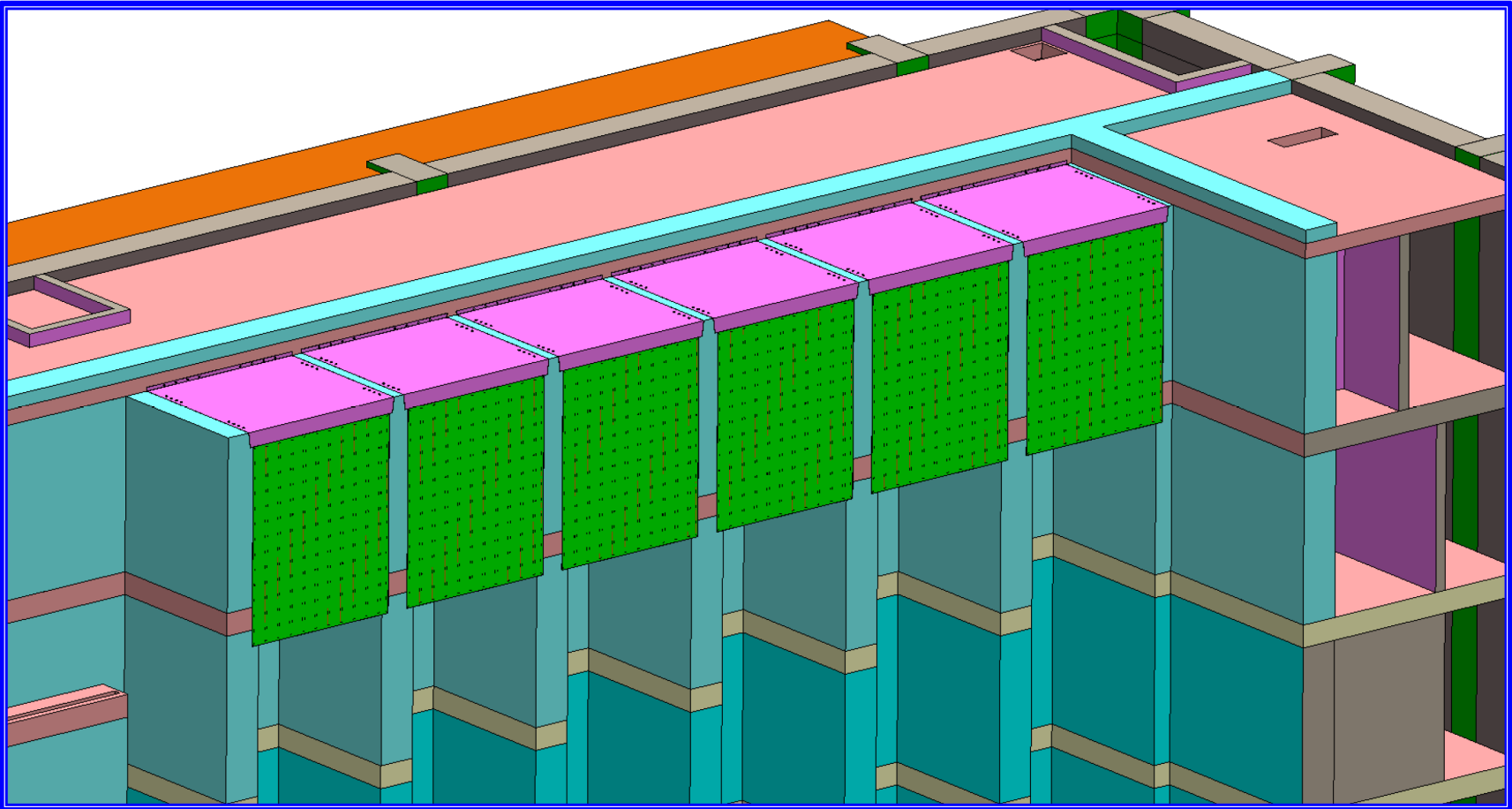


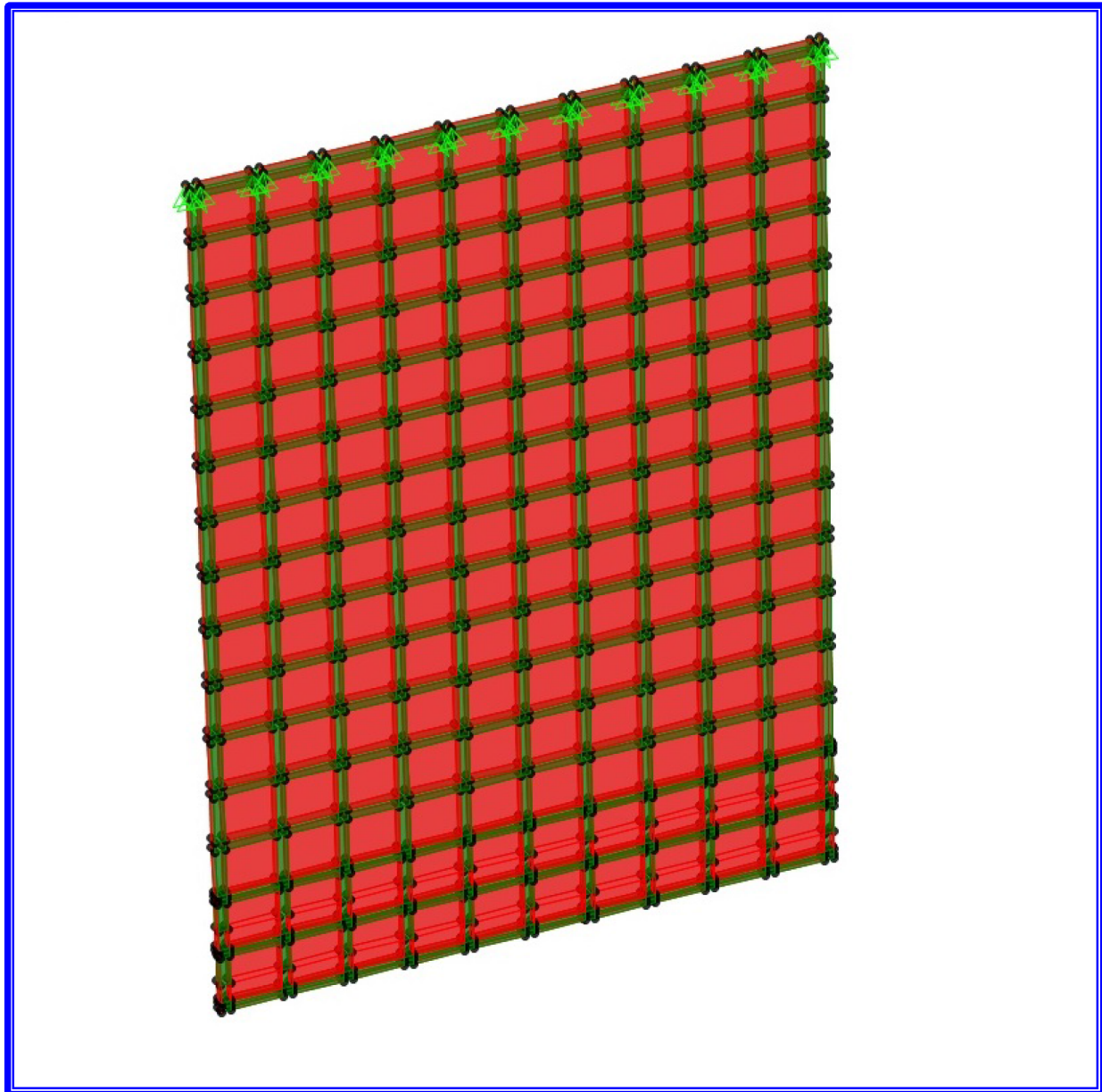
Figure 3.7.3-2: Conceptual Bioshield Vertical Face Plate

Figure 3.7.3-3: Location In-structure Response Spectra Nodes for Design of Bioshields

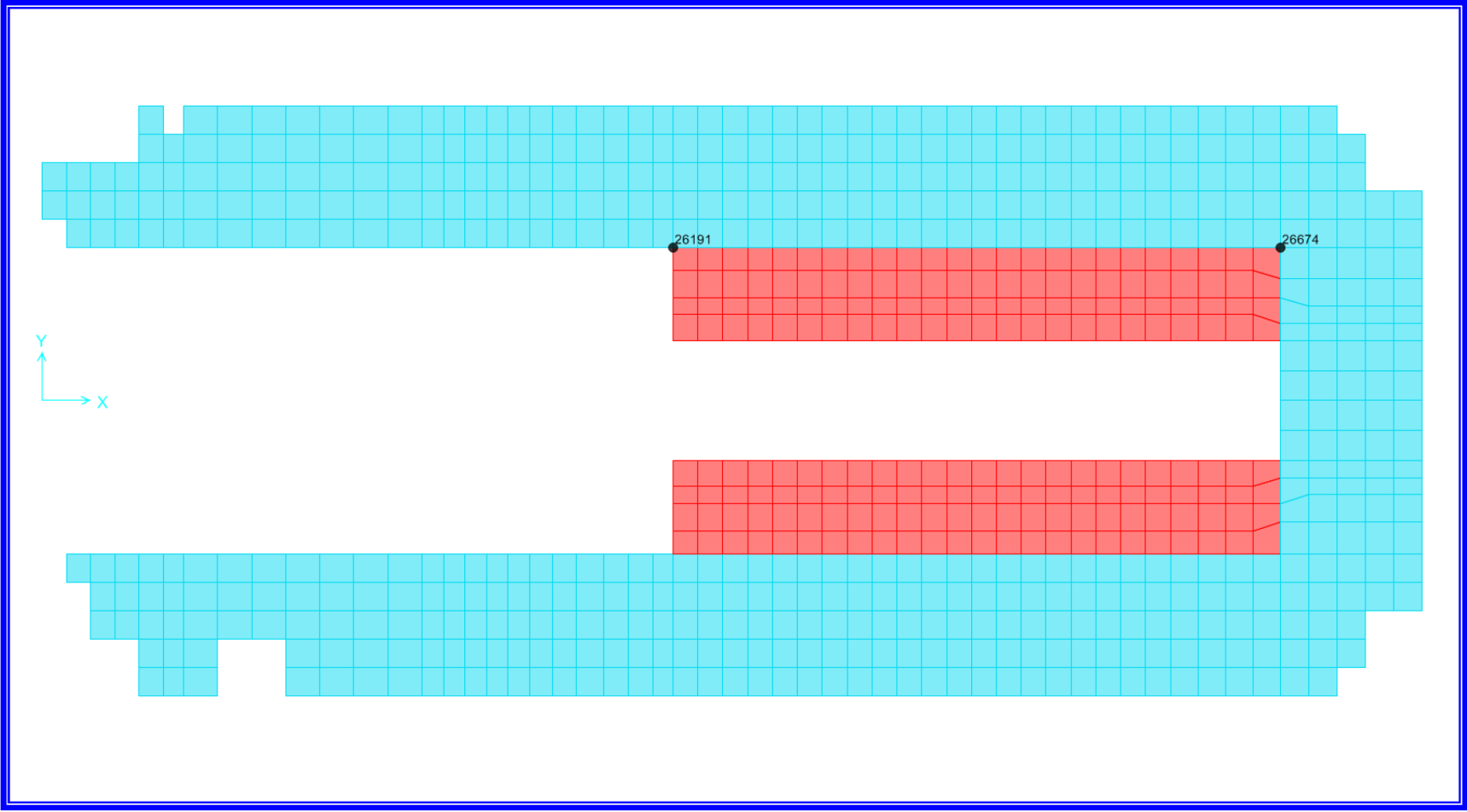


Figure 3.7.3-4: In-structure Response Spectra Used for the Evaluation of the Bioshield

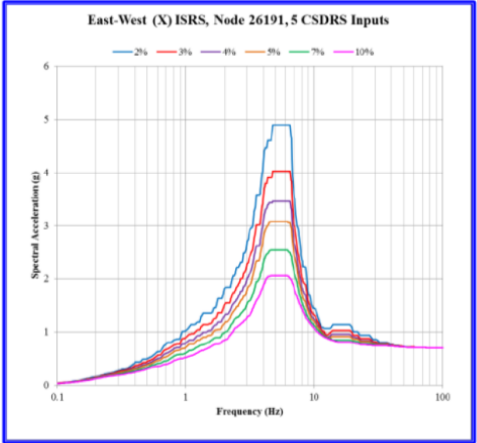


Figure A-190. RXB - East-West (X) ISRS, Node 26191, Northwest Corner of Bio Shield, 5 CSDRS Inputs.

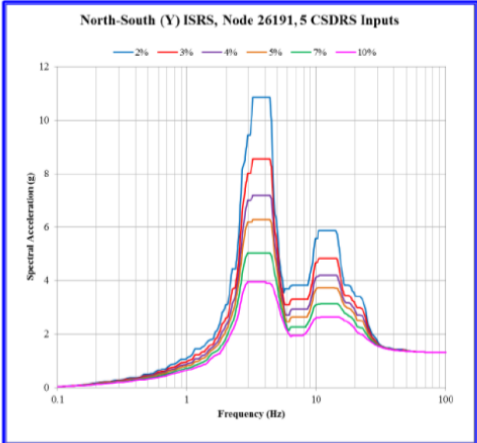


Figure A-191. RXB - North-South (Y) ISRS, Node 26191, Northwest Corner of Bio Shield, 5 CSDRS Inputs.

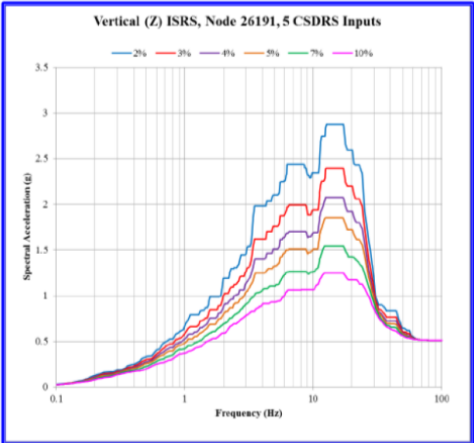


Figure A-192. RXB - Vertical (Z) ISRS, Node 26191, Northwest Corner of Bio Shield, 5 CSDRS Inputs.

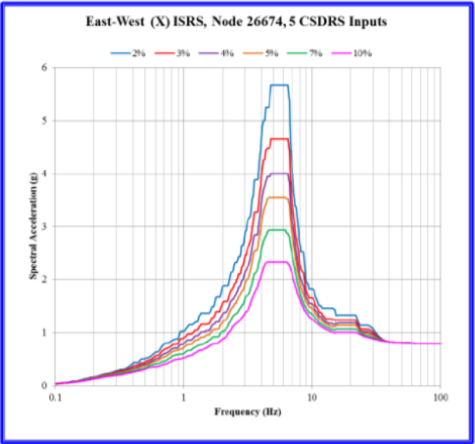


Figure A-202. RXB - East-West (X) ISRS, Node 26674, Northeast Corner of Bio Shield, 5 CSDRS Inputs.

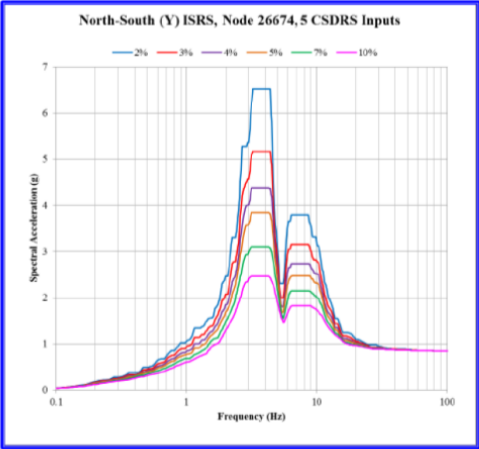


Figure A-203. RXB - North-South (Y) ISRS, Node 26674, Northeast Corner of Bio Shield, 5 CSDRS Inputs.

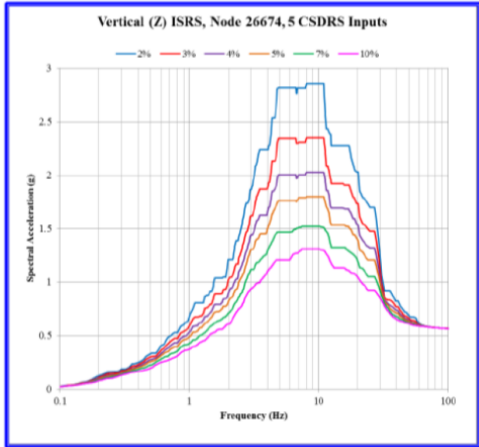


Figure A-204. RXB - Vertical (Z) ISRS, Node 26674, Northeast Corner of Bio Shield, 5 CSDRS Inputs.