Foundation Type Rulesets for MOD IV Data			

1. Initialize assignments based on Occupancy Class

Ruleset Logic	Occupancy Type	Code	Foundation Type
IF OccupancyClass=RES1, FoundationType=3001	Single Family Dwelling	RES1	Slab on Grade
IF OccupancyClass=RES2, FoundationType = 3005	Mobile Home	RES2	Slab on Grade
IF OccupancyClass=RES3A, FoundationType=3504	Multi-Family Dwelling - Duplex	RES3A	Basement
IF OccupancyClass=RES3B, FoundationType=3504	Multi-Family Dwelling - 3 to 4 Units	RES3B	Basement
IF OccupancyClass=RES3C, FoundationType=3504	Multi-Family Dwelling - 5 to 9 Units	RES3C	Basement
IF OccupancyClass=RES3D, FoundationType=3001	Multi-Family Dwelling - 10 to 19 Units	RES3D	Basement
IF OccupancyClass=RES3E, FoundationType=3003	Multi-Family Dwelling - 20 to 49 Units	RES3E	Basement
IF OccupancyClass=RES3F, FoundationType=3003	Multi-Family Dwelling - 50+ Units	RES3F	Basement
IF OccupancyClass=RES4, FoundationType=3001	Temporary Lodging	RES4	Basement
IF OccupancyClass=RES5, FoundationType=3004	Institutional Dormitory	RES5	Basement
IF OccupancyClass=RES6, FoundationType=3001	Nursing Home	RES6	Basement
IF OccupancyClass=COM1, FoundationType=3004	Retail Trade	COM1	Slab on Grade
IF OccupancyClass=COM2, FoundationType=3004	Wholesale Trade	COM2	Slab on Grade
IF OccupancyClass=COM3, FoundationType=3004	Personal and Repair Services	COM3	Slab on Grade
IF OccupancyClass=COM4, FoundationType=3004	Business/Professional/Technical Services	COM4	Slab on Grade
IF OccupancyClass=COM5, FoundationType=3004	Depository Institutions (Banks)	COM5	Slab on Grade
IF OccupancyClass=COM6, FoundationType=3002	Hospitals	COM6	Basement
IF OccupancyClass=COM7, FoundationType=3004	Medical Office/Clinic	COM7	Basement
IF OccupancyClass=COM8, FoundationType=3004	Entertainment & Recreation	COM8	Slab on Grade
IF OccupancyClass=COM9, FoundationType=3004	Theaters	COM9	Slab on Grade
IF OccupancyClass=COM10, FoundationType=3003	Parking	COM10	Slab on Grade
IF OccupancyClass=IND1, FoundationType=3002	Heavy Industry	IND1	Slab on Grade
IF OccupancyClass=IND2, FoundationType=3002	Light Industry	IND2	Slab on Grade
IF OccupancyClass=IND3, FoundationType=3002	Food/Drugs/Chemicals	IND3	Slab on Grade
IF OccupancyClass=IND4, FoundationType=3002	Metals/Minerals Processing	IND4	Slab on Grade
IF OccupancyClass=IND5, FoundationType=3002	High Tech	IND5	Slab on Grade
IF OccupancyClass=IND6, FoundationType=3002	Construction	IND6	Slab on Grade
IF OccupancyClass=AGR1, FoundationType=3001	Agriculture	AGR1	Slab on Grade
IF OccupancyClass=REL1, FoundationType=3004	Church	REL1	Basement
IF OccupancyClass=GOV1, FoundationType=3004	General Services	GOV1	Basement
IF OccupancyClass=GOV2, FoundationType=3004	Gov (Emergency Services)	GOV2	Basement
IF OccupancyClass=EDU1, FoundationType=3004	Schools/Libraries	EDU1	Basement
IF OccupancyClass=EDU2, FoundationType=3004	Colleges/Universities	EDU2	Basement

2. Update based on first floor elevation (likely to affect residential only)

Ruleset Logic	Occupancy Type	Code	Foundation Type
IF FirstFloorHt1>6, FoundationType=3501			Piles