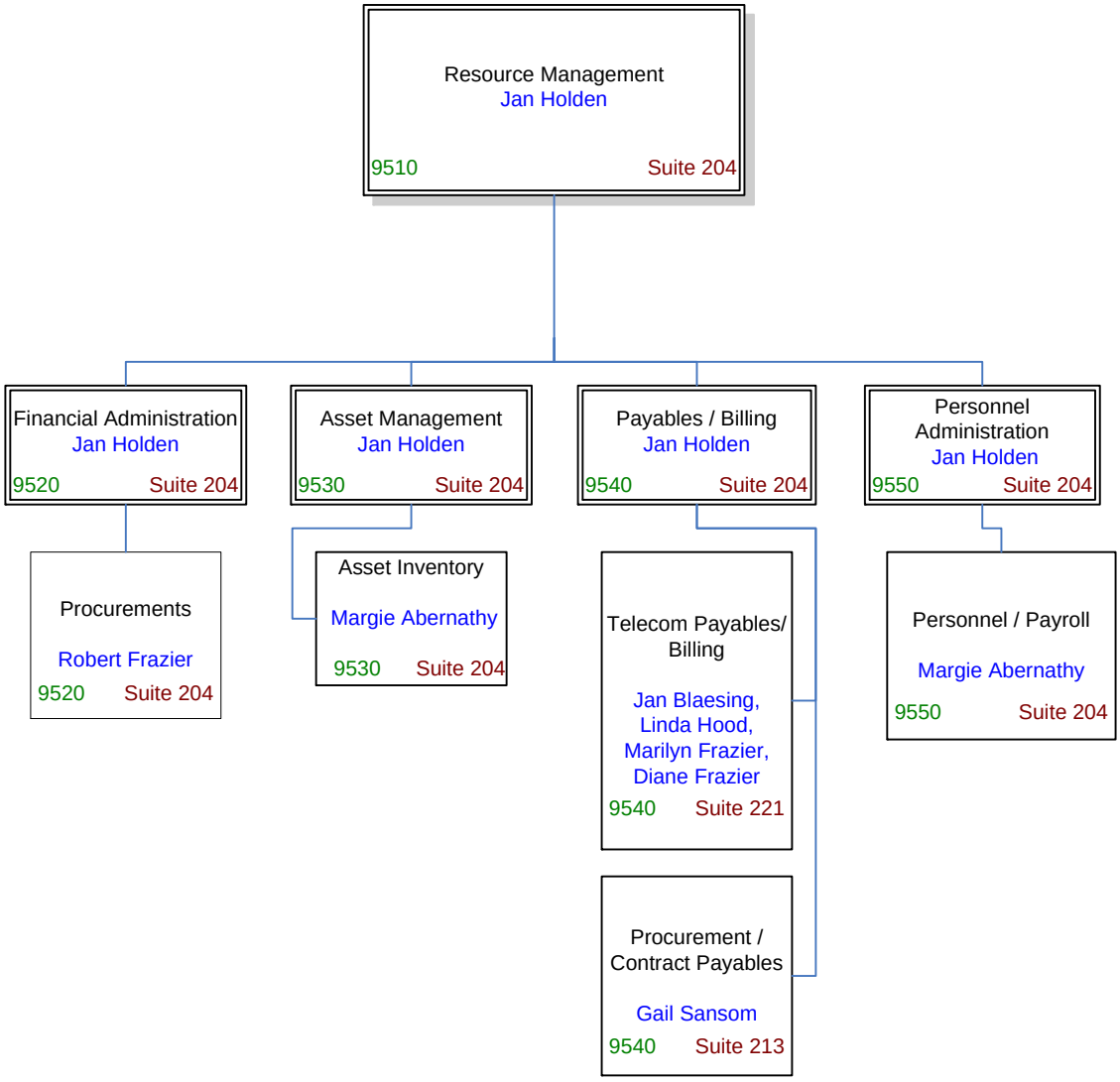Resource Management