WAVE SERVICE DEPLOYMENT OUTLINE AND REQUIREMENTS

MPOE/MDF:

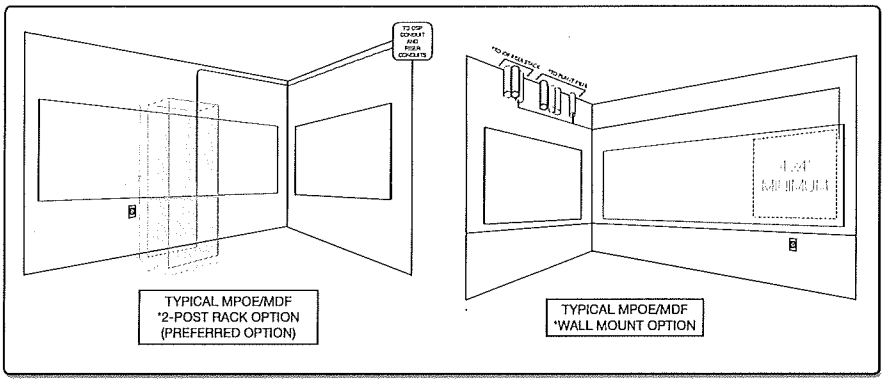
SPACE: Room for 7' 2-post rack (preferred), floor measurement is 20"x20" and 36" are required for equipment access at front and rear. 7' of height clearance required. Alternatively, if rack space is not possible, a minimum 4'x4' wall space would be required.

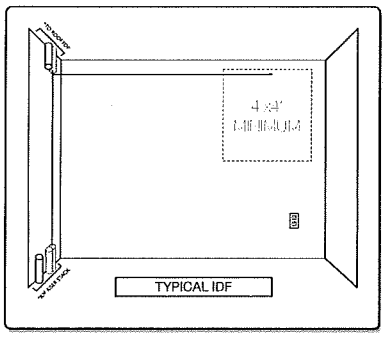
POWER: (1) L5-20 Receptacle (preferred). Alternatively, minimum (1) dedicated 20a 120v Duplex Receptacle. (generator backed preferred)

FIBER ENTRANCE: (1) 2" (minimum) conduit to nearest service pole or stubbed to right-of-way.

RISER CONDUIT PATHWAY: 2" (minimum) conduit to IDF riser stacks or to roof if all units served from MPOE.

GROUNDING: All appropriate telecommunications grounding busbars and/or bonding backbone are expected to be present at MPOE and IDF locations.





IDF(s):

SPACE: Minimum 4'x4' wall space (preferably near tenant wiring termination to maintain aesthetics during installs).

POWER: Minimum (1) dedicated 20a 120v Duplex Receptacle. (generator backed preferred)

RISER CONDUIT PATHWAY: 2" (minimum) conduit/sleeves between all IDFs per stack and to roof from top IDF.

UNIT WIRING: Wave requires (1) Cat5/Cat6 Ethernet "home-run" cable to serve tenants from the MPOE/IDF to the tenant/customer unit. This cable should not exceed a run of 100 meters (about 329 feet).

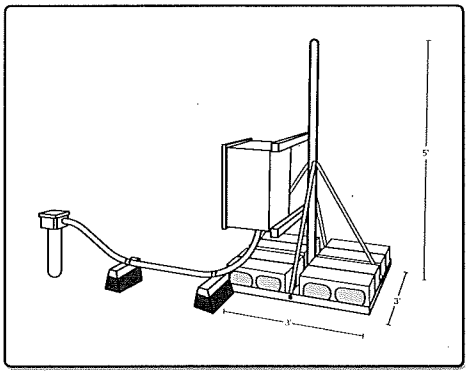
GROUNDING: All appropriate telecommunications grounding busbars and/or bonding backbone are expected to be present at MPOE and IDF locations.

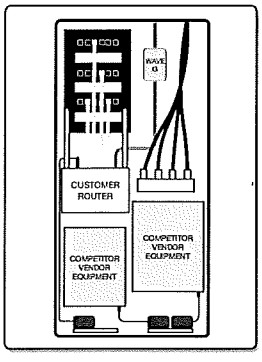
ROOFTOP:

SPACE: Room on roof surface to place (2)-(4) ROHN FRM non-penetrating radio masts. 3'x3' footprint per mast. Exact locations TBD by assigned Wave engineer after proper coordinations (locations will ideally have the largest viewing range possible from rooftop and will not be obstructed by mechanical workers or window cleaning personnel & equipment. All designs required to be approved prior to any work beginning by Wave G.

RISER CONDUIT PATHWAY: Minimum 2" roof penetration to top level IDF in riser stack or to MPOE if IDF stack is not in planning. If conduit is planned to be shared by other vendors/services, it must be a minimum of 4".

POWER: There are no power requirements for Wave G service at the rooftop level.





TENANT UNIT:

Wave G only requires that the Cat5/Cat6 "home-run" cable from the MPOE/IDF be ran to a junction within the unit where it can tie into any of the unit's existing ethernet data jacks.

A structured media enclosure (smart panel) is not required for Wave G service but is beneficial to the end user who may wish to activate multiple data jacks within the unit using a personal router (which may require power within the panel). If using an enclosure, Wave G recommends an "RF Transparent" model which is designed to allow wireless data frequencies to pass through the sealed enclosure.

Wave G can connect service within the unit in various ways depending on your building's low-voltage design. Typically, Wave G will terminate the incoming cable to a labeled 2" housing box and extend an ethernet cross connect to wherever is desired.