Audio/Visual Infrastructure for Flat Panel Back Box
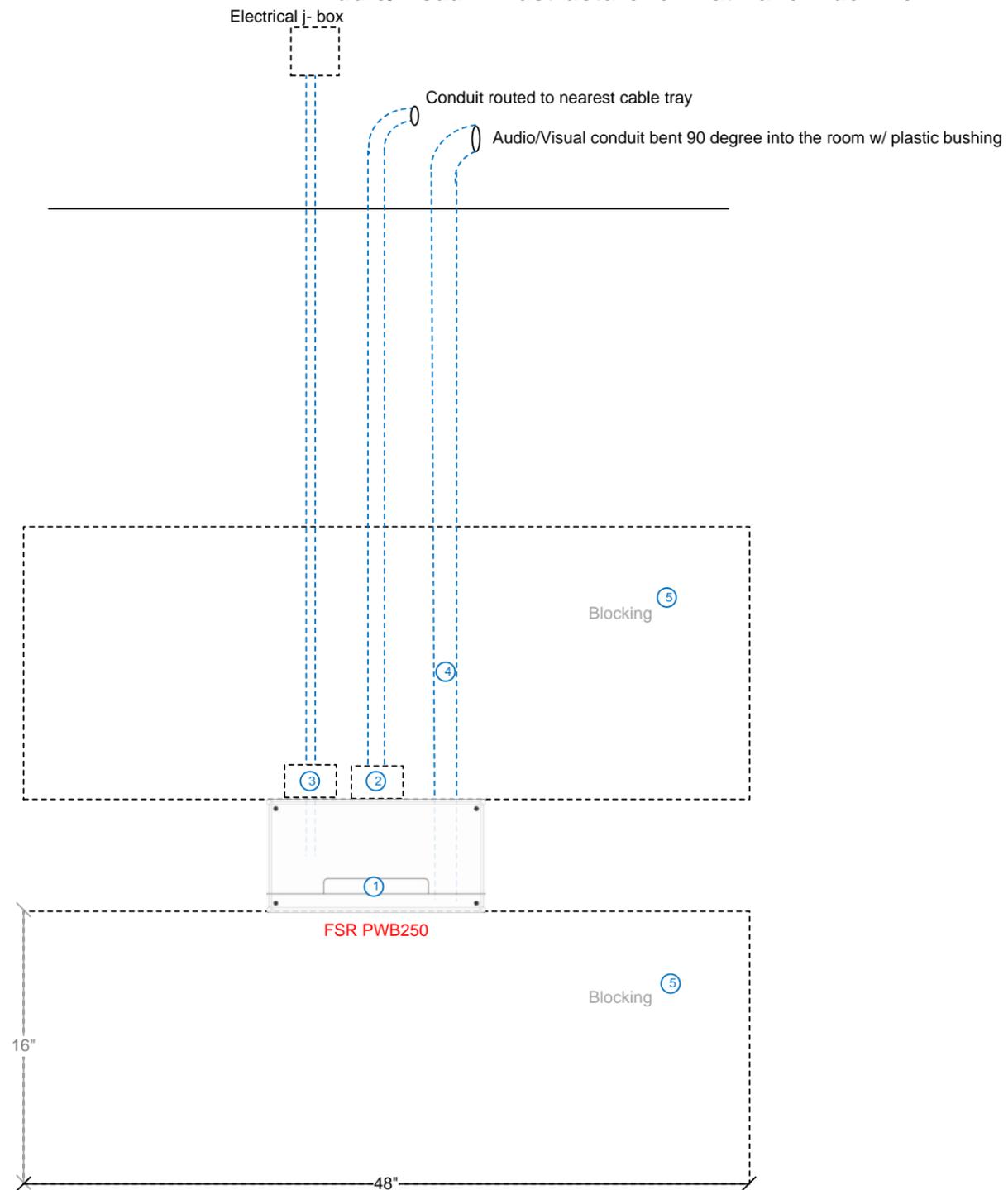
Electrical j- box

Conduit routed to nearest cable tray

Audio/Visual conduit bent 90 degree into the room w/ plastic bushing

Blocking ⑤

④

③ ②

①

FSR PWB250

Blocking ⑤
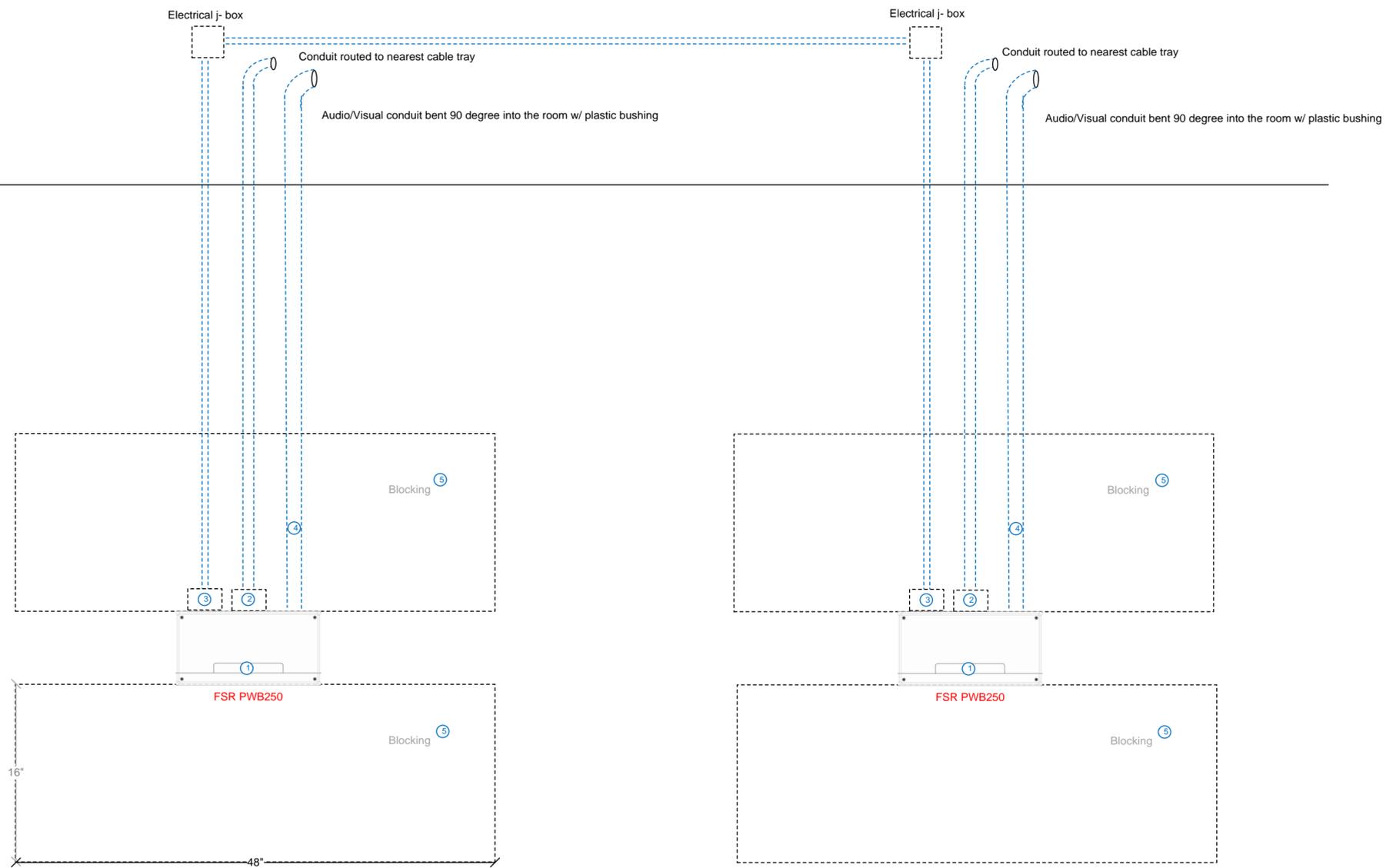
16"

48"

① Behind each flat panel provide a FSR PWB250 pre-construction back box. Location will be determined by flat panel size and purpose and location of back box is to be coordinated with UITS CTS in field.

② Provide (1) single gang back box within the FSR PWB250 back box knock outs and install (1) single gang telecom plate – 2 data ports.

③ Provide (1) single gang back box within the FSR PWB250 back box knock outs and install (1) duplex AV receptacle.

④ Provide (1) 1-½" conduit on top of the FSR PWB250 back box. Stub the 1-1/2" conduit to the above ceiling plenum – cap the conduit with plastic bushing.

⑤ Provide blocking above and below the FSR PWB250 back box – blocking consist of 16 gauge sheet metal 16" h and spanning (4) stud spaces – the sheet metal would be behind the dry wall.

NOTE: AC power for all audio/visual equipment should be from a dedicated circuit or from the different circuit but from the same panel same phase.
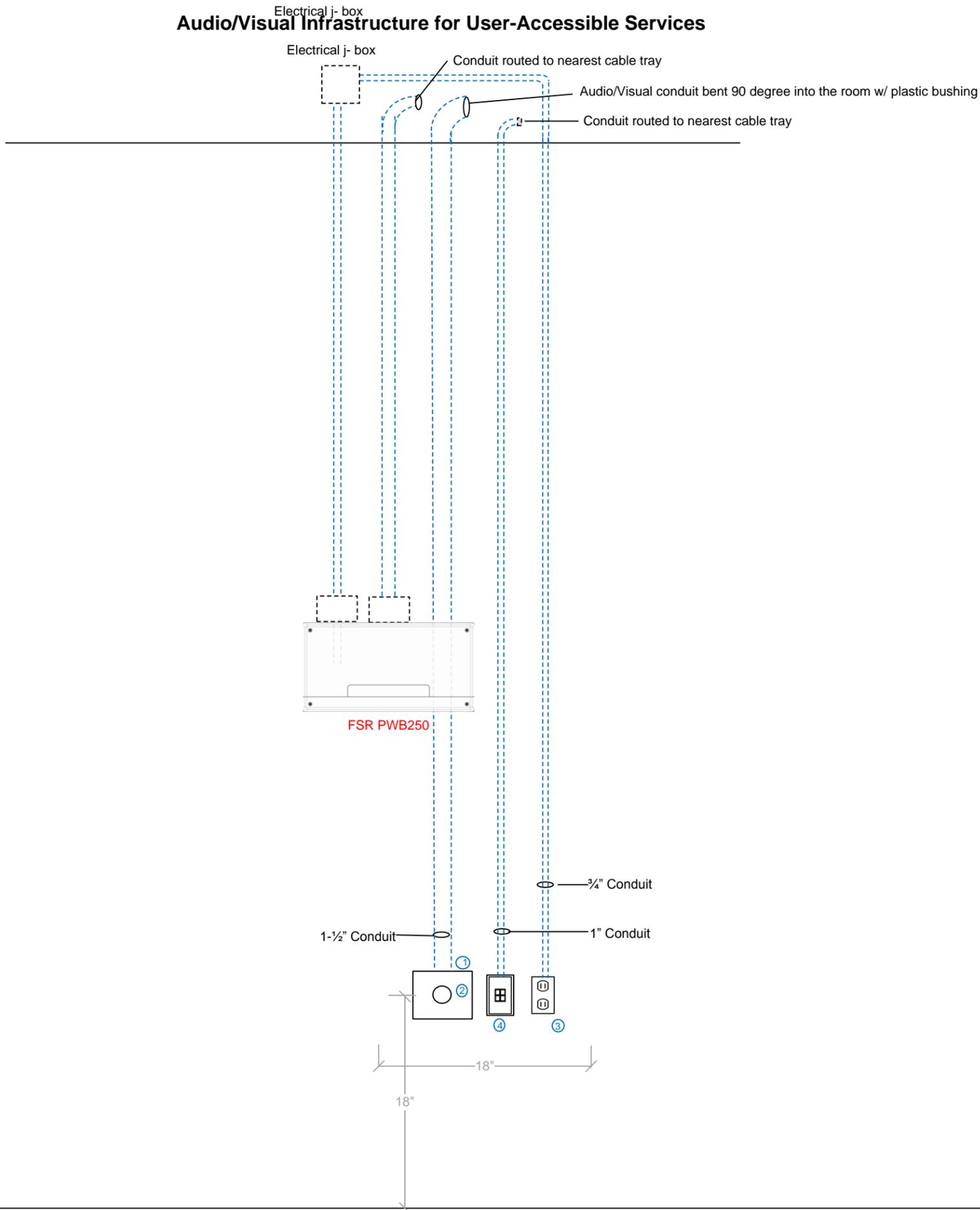
NOTE: Label all audio/visual conduits and provide pull cords

Audio/Visual Infrastructure for Dual Flat Panels

Electrical j- box

Electrical j- box

Conduit routed to nearest cable tray

Conduit routed to nearest cable tray

Audio/Visual conduit bent 90 degree into the room w/ plastic bushing

Audio/Visual conduit bent 90 degree into the room w/ plastic bushing

Blocking ⑤

Blocking ⑤

②

④

②

④

③

①

③

①

FSR PWB250

FSR PWB250

Blocking ⑤

Blocking ⑤

16"

48"

① Behind each flat panel provide a FSR PWB250 pre-construction back box. Location will be determined by flat panel size and purpose and location of back box is to be coordinated with UITS CTS in field.

② Provide (1) single gang back box within each FSR PWB250 back box knock outs and install (1) single gang telecom plate – 2 data ports.

③ Provide (1) single gang back box within each FSR PWB250 back box knock outs and install (1) duplex AV receptacle.

④ Provide (1) 1-½" conduit on top of each FSR PWB250 back box centered between the single gang knock outs. Stub the 1-1/2" conduit to the above ceiling plenum – cap the conduit with plastic bushing.

⑤ Provide blocking above and below the FSR PWB250 back box – blocking consist of 16 gauge sheet metal 16" h and spanning (4) stud spaces – the sheet metal would be behind the dry wall.

NOTE: AC power for all audio/visual equipment should be from a dedicated circuit or from the different circuit but from the same panel same phase.

NOTE: Label all audio/visual conduits and provide pull cords

Audio/Visual Infrastructure for User-Accessible Services

Electrical j- box

Electrical j- box

Conduit routed to nearest cable tray

Audio/Visual conduit bent 90 degree into the room w/ plastic bushing

Conduit routed to nearest cable tray

FSR PWB250
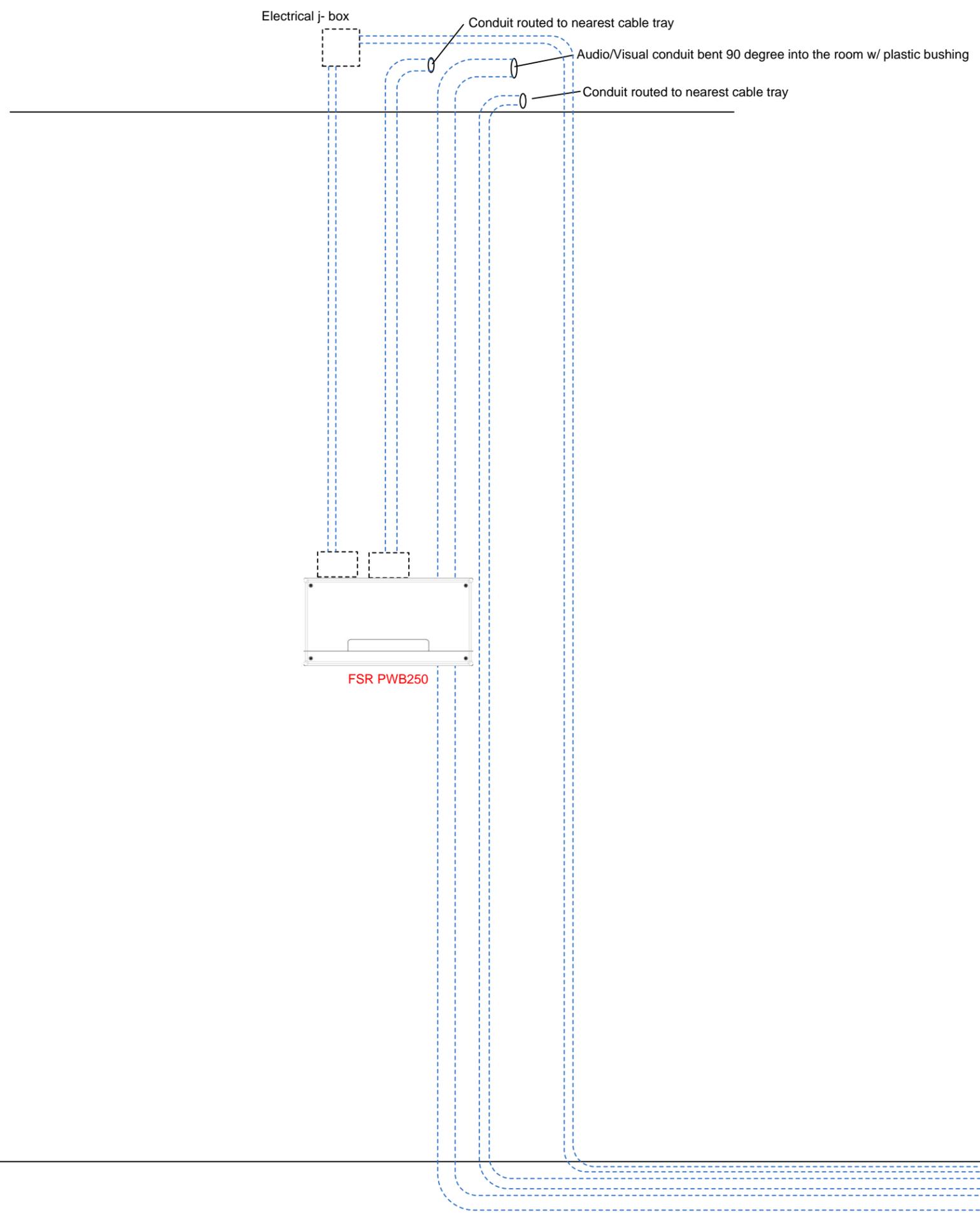
¾" Conduit

1-½" Conduit

1" Conduit

① ② ④ ③

18"

18"

Audio/Visual Infrastructure Notes:

① Provide (1) 444 SC NK enclosure 18" on center with the finished floor – this enclosure would be located behind the credenza. Provide (1) 1-½" conduit, use a hydraulic press and punch out 1-½".

② Provide a stainless steel cover plate for the 444 SC NK enclosure with a 1-½" hole and rubber grommet – to prevent cable damage. Note: the 444 SC NK enclosure should be flush with the drywall

③ Provide (1) single-duplex AC receptacle 18" on center with the finished floor and near the 444 SC NK enclosure.

④ Provide (1) single gang telecom plate with (4) data ports 18" on center with the finished floor.
NOTE: the telecom plate, AC receptacle and audio/visual enclosure should be grouped together within 18"

NOTE: AC power for all audio/visual equipment should be from a dedicated circuit or from the different circuit but from the same panel same phase.

NOTE: Label all audio/visual conduits and provide pull cords

Audio/Visual Infrastructure for Floor Box

Electrical j- box

Conduit routed to nearest cable tray

Audio/Visual conduit bent 90 degree into the room w/ plastic bushing

Conduit routed to nearest cable tray

FSR PWB250

① Provide 1-½" conduit from the FSR RFL4.5-Q2G floor box for Audio/Visual cabling.

② Provide (1) double duplex AC outlets within FSR RFL4.5-Q2G.

③ Provide (1) single gang back box within the FSR RFL4.5-Q2G floor box and install (1) single gang telecom plate – 2 data ports

NOTE: AC power for all audio/visual equipment should be from a dedicated circuit or from the different circuit but from the same panel same phase.

NOTE: Label all audio/visual conduits and provide pull cords

FSR RFL4.5-Q2G

① ② ③