

Storage shed specification – **AMENDED FEBRUARY 7, 2023**

From Notice to proceed, 3 months construction time to turn key occupancy with punch list items to be diligently pursued.

Building size to be 40' by 90' with 12 foot walls prior to roof trusses.

Foundation to use outer stem wall on footings 48" **to bottom of footing** below grade with 12" above grade. Inner floor slab minimum 6" thick concrete. Floor to be gradually sloped to a 4 inch diameter floor drain at each bay. Floor drains to be connected to central 4" drain pipe running to the adjacent ambulance building sewer connection.

Construct 6" concrete slab the entire length of building frontage, approximately 6.5 foot wide.

Wall construction to be **6 inch stud (metal or wood) on 24 inch centers** with metal siding and roof.

Building to be wrapped and utilize spray foam insulation with 2 inches of foam on walls and 3 inches on underside of roof.

Roof pitch minimum **4:12** with snow/ice guards over all doors (vehicle and access). **Roof truss spacing will be 24" on center. The roof is to have a 12 inch soffit overhang on the front and rear. The end gables require no overhang.** 6" seamless gutters on both sides of structure.

Five insulated garage doors 12' wide by 10' tall with wall mount style door openers along the frontage. One garage door will serve the segregated bay described below and will have no windows. The remaining four garage doors are to have windows a minimum 7 feet above ground.

One 9' wide by 7' tall garage door (no opener required) opposite the end bay (not the segregated bay described below).

One garage bay to be segregated/walled off from remainder of building by construction of an inner framed wall ~~and ceiling~~. **Inner framed wall to be constructed full height to roof.**

Inner framed wall may be of either wood or metal studs – **6 inch**. Both sides of inner wall ~~and underside of ceiling~~ to be clad in ½ inch OSB. Inner framed wall to have its own 36" steel access door. Inner framed wall ~~and ceiling~~ of segregated bay to be insulated (~~R13~~ **R19** fiberglass in wall, ~~R19 fiberglass in ceiling~~). Inner framed wall to have electric receptacles every 12 feet along wall at 48" above grade (both sides). Lighting in this area to be individually controlled. A 220V, 10 gage circuit is to be run to this area terminating in a service disconnect box. The segregated bay is to have a utility sink with drain tied into main building sewer connection. A 3/4" water line is to be brought underground from adjacent ambulance building to the utility sink.

Remaining 4 bays are to be served by a 36" steel access door in the middle of the garage doors (2 to each side).

Electrical sub panel to be 100 AMP single phase (brought in underground from adjacent ambulance building). All wiring to be minimum 12 gage individual conductors in metal conduit below trusses.

Armor clad "BX" cable is allowed above truss bottom chord. Lighting will be by 2x4 LED shop lights – 3

per bay for a total of 15 lights. Commercial grade 20 amp receptacles are required every 12 feet along the outside walls 48" above grade. GFCI Breakers shall be used to serve receptacles. Access door and garage doors to have exterior mounted LED floodlights with dusk to dawn sensors and manual override switches. All electrical work to comply with Iowa electrical code.

Natural Gas line (3/4") to be brought into building from existing meter/adjacent ambulance building. Gas line to be run along the entire length of building with a stub in the segregated bay. A ball valve is required at the entry point inside the building, between the segregated bay tee and stub cap, and prior to the terminus cap.