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**SEALED PROPOSALS** will be received by the subscriber, superintendent of light houses for the district of Michillimackinac, until the first day of August next inclusive, for building a light house and dwelling, &c, at South Manitou island in Lake Michigan, of the following materials, dimensions and description, viz:

The light house to be built of stone or hard brick, the form round, the foundation to be sunk three feet or as much deeper as may be necessary to make the fabric secure, to be built up solid and laid in best lime mortar, the tower to be thirty feet high from the surface of the ground, the diameter of the base to be eighteen feet and that of the top nine, the thickness of the walls at the base to be three feet, and to be uniformly graduated to twenty inches at the top, the top to be arched, on which is to be laid a deck of soapstone eleven feet diameter and four inches thick, the pieces forming it to be clamped together with iron clamps set in lead and joints filled in with lead, on one side of the deck to be a service door to enter the lantern twenty-four inches by twenty inches, the frame of which to extend down the whole thickness of the arch, to be of cast iron and the door an iron frame, to be covered with copper at least thirty ounces to the square foot, with an iron handle on the upper and a bolt on the loser side, and good wrought iron hinges; the walls both inside and out to be well pointed with strong mortar and whitewashed twice over at least; there are to be three windows in the tower of twelve lights each, of eight by ten best glass in strong frames, and a door six feet by three, made of double inch boards cross nailed, with substantial wrought hinges and a good lock and latch; the door posts to be of dressed stone at least ten inches square, the cap and stool or sill to be of the same thickness, of Susquehanna stone, dressed on the outside, to extend in width the whole thickness of the wall and to which the door posts are to be permanently secured with dowels at the top and bottom; the ground floor to be well paved with brick or stone; a sufficient number of circular dressed stone stairs not to exceed eight inches rise to lead from the ground floor to within seven feet of the soapstone deck, one end of each step to be worked in the wall, the other to go up plumb forming a newel, guarded by a good iron band railing substantially secured to the wall with iron eye bolts; from the platform at the top of the stairs to the entrance of the lantern to be an iron ladder with steps the usual distance apart to equal two inches square; on the top of the tower to be a wrought iron frame lantern of the octagon form, the post of which to be one and a half inches square to extend down into the stone or brick work five feet and well secured with anchors, the height and diameter of the lan-

tern to be sufficient to admit an iron sash in each octagon to contain eighteen squares, eleven by nine, fifteen of which to be glazed with the best double glass, from the Boston manufactory, the other three squares or lower tier to be sheet copper, of thirty ounces to the square foot; the rabbets of the sashes to be three quarters of an inch deep with holes drilled in the top and bottom of each square to admit iron or copper piers to secure the panes of glass; in one of the octagons to be an iron frame door four feet high, covered with copper of thirty ounces to the square foot, to open on the outside and to shut tight in the rabbets, with strong iron turn buttons to confine it close; the dome to be formed of sixteen iron rafters or ribs, concentrating in an iron hoop or neck four inches wide and nine inches diameter, covered with copper of thirty ounces to the square foot, each sheet to embrace three of the ribs and to be riveted thereto and to extend down and rivet on the piece that forms the base of the dome, which is to be three inches wide, on the dome to be a traversing ventilator two and a half feet long and fifteen inches diameter, to which is to be secured a copper vane, three feet long and twenty inches wide; the seams where the sheets of copper join in covering the dome to be substantially brazed; around the lantern to be an iron railing, the posts of which to be one and a quarter inches square, to be inserted in the stone deck at least three inches, set in lead and within six inches of its outer edge, every other one of which to be continued with a sweep to join and be secured to the piece that forms the top of the sash, the upper rail to be three feet four inches from the deck, and two and a half inches wide by half an inch thick, with two other rails at equal distance below of round iron, seven-eighths of an inch in diameter. The wood work of the tower, the lantern and iron railing to be painted twice over exclusive of the priming with best white lead; the dome to be painted black, with two coats exclusive of priming; the light house to have a complete electrical conductor made of copper, three quarters of an inch in diameter with an improved electrical point, to be substantially secured with proper thigh bolts and stays to base tower and dome, to extend its height at least four feet above the top of the ventilator or vane and in depth at least four feet into the earth, forming an obtuse angle from the perpendicular of the foundation to the light house.

The dwelling house to be of stone or hard brick, thirty four feet by twenty from out to out, one story of eight feet in the clear divided into two rooms with an entry between; the stairs to lead to the chamber and to the cellar to be in the entry; a chimney with a fire place in each room with iron or stone backs and sides; a cellar under the whole of the house, with sufficient walls of stone to

support the walls of the house, which are to be twenty inches thick, the whole laid up in strong lime mortar and to be well pointed; the roof to be rectangular, the boards of which to be jointed and halved, the roof joists to be not less than eight inches by three at the ridge and three inches by seven at the foot, with collar beams seven inches by three, the joists to be placed not over two feet apart, to be well secured and covered with first quality shingles. There are to be three windows in each room of sixteen lights of eight by ten glass each, and one of the same dimensions in each chamber, with double window, shutters with wrought iron hinges and a sufficient hook and staple to hook on the inside, and a wrought iron S on the outside to fasten the shutters to the building when open; the doors to be four paneled, with first quality hinges and thumb latch to each; a good lock on the outside door, with a bolt and thumb latch to the back passage door; a closet in each room with a good lock to each; all the floors to be doubled and well nailed; the joists of the first floor to be twelve by 3 inches, and of the second to be ten by three inches square, to be laid not exceeding two feet apart; also a kitchen to be attached to the dwelling house, fourteen feet by twelve in the clear, the walls of stone or hard brick, eight feet high, with double floors; the joist of the first floor to be twelve by two inches, and of the second to be ten by three inches square; two windows and one door, besides a door to communicate with the dwelling house; a chimney with a fire place, and sizable over with an iron door, iron crane, trammel and hooks in the fire place, and on one side of the chimney a sink with a spout leading through the wall; also an out house or privy, at a convenient distance from the dwelling, of stone or hard brick, five feet by four in the clear, with a well at least eight feet deep, walled up with stone or brick; the roof to be well shingled; also a well to be sunk of such depth as to procure good water, at a convenient distance from the house, to be stoned or bricked up, and furnished with a pump or with a curb windlass, and union chain and a strong iron hooped bucket; all the wood work of the dwelling house, kitchen and out house to be painted with two coats of good paint exclusive of priming; the inside walls and ceilings to be lathed and plastered, and finished in a plain neat style; gutters of double tin to lead round the dwelling house and kitchen with spouts of same material to carry off the rain water; all the lumber used to be well seasoned heart pine, consequently entirely free from sap. The sand used in making the mortar must be inland sand, and the water must be spring or well water, so that there shall be nothing of a saline nature in the cement or mortar; above and below each window frame of the light house must be single

stone of sufficient dimension to reach from out to out of the frame, and extend inwards the whole thickness of the wall, and in building up the walls, if of stone, there must be an entire range of thorough stone every three feet, besides that in the intermediate space the stones must tie; an outside cellar door to be made to the cellar under the dwelling house six feet high by three feet and a half wide, with a rollway laid up with stone and lime mortar, and stone steps, with a double door to be made of good pine lumber, and to be cross nailed, with stout wrought iron strap hinges, well riveted; also an out side door of same materials covering the entrance or rollway, with an iron hook or staple to fasten on the inside of each door. The whole to be completed in a workmanlike manner by the twentieth day of November next.

Separate proposals will be received for fitting up the above light house in the same manner that the light houses of the United States have been fitted up by Mr. Winslow Lewis, with eleven patent lamps and eleven fourteen inch reflectors, each reflector to have six ounces pure silver, and to furnish two spare lamps and reflectors, double tin oil bulls to hold 500 gallons of oil, one lantern cannister and an iron trivel, one stove and funnel, one tin wick box, one tin tube box, one oil carrier and one oil feeder, six wick formers, one hand lantern and lamp, two tube cleaners, one glazier's diamond and two files and two pair of scissors. The whole to be approved by the subscriber, or such person as he shall appoint for the purpose. No payment to be made until the whole of the above work shall be completed and approved. Good security will be required.

ABRAHAM WENDELL,  
Superntendant.

Michillimackinac; July 10th, 1839.

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