

The upper portion of these stacks is to be parged with Portland cement, say the upper 6 ft. of same, and all the salling and horse courses, capping and belfry archway, &c., all to be laid in Portland cement, and all the joints and weatherings made and pointed in the most careful and thorough manner. Provide and build in sheet iron smoke pipe collars, four of them (14 in.) diameter, spaced at 12 ft. intervals, to be fitted on the outside of the stacks, deep and rim round same with ½ brick arch. Provide and build in a cast iron plate division between the smoke and ventilating flues in each stack as shown per drawings, extending from the basement floor level to top of stack above roof. These plates will be ¾ in. to ¾ in. thick, 4 ft. 6 in. wide, and from 2 ft. to 2½ ft. in height, each made with a groove along the upper edge of each plate. They are to be laid in cast iron, soot and frame, in the same bottom of each smoke flue, 14 in. square or larger, and provide and build manhole doorway in bottom of each ventilating flue, say 2 ft. 6 in. x 4 ft., arched over and provided with a fine tooled or rubbed stone head, 6 in. x 14 in. x 3 ft. 6 in. long. Provide and build an air duct under the basement floor in each close down (two of them) having an area of 12 sq. ft., each inside the length required as indicated on drawings. These ducts will be about 3 ft. in depth by 4 in. wide, built with picked hard brick and laid in Portland cement mortar; to have 9 in. wall at one side (the walls of building forming the other side) and to have a brick bottom laid on the flat and grouted with cement. Connect these ducts with the ventilating flue at the bottom of same with an opening 3 ft. x 4 ft., capped over with a fine tooled Berea stone, 3 ft. 6 in. long. Provide and build in the foundation of the walls of building forming one side of these air ducts, and through which the same has to pass to reach the bottom of ventilating stack, are to have the extra depth required for that purpose, viz., 3 ft. Build all hot air flue leading from the basement up to the ground and first floors as indicated by the drawings; to be built in the most careful manner and thoroughly grouted with putty inside with a brick and mortar on the frame and collars, &c., furnished by the contractors for heating apparatus and as indicated by the plans of heating. Provide and build in ¾ in. round by 8 in. long, climbing irons in the brickwork of ventilating flues, every 6th course in height, alternately on each side of flue and placed about 9 in. from one end of same. Also provide and build manhole opening 4 ft. high, with two framed arches over same on a 2 x ½ ft. x 4 in. iron base and set frames to same pointed by carpenter. The rear basement wall on any future extension of the building become an inside partition wall, and will therefore be built entirely of brick instead of stone, and will be of picked hard burnt brick carefully selected and the face bricks laid in Portland cement. This wall will be 18 in. in height, and will be built on brick courses. Build area walls of picked hard brick to rear entrance and rear basement entrance steps, as shown per drawings; also brick parapet walls at side of steps, and provide and build in ¾ in. x 18 in. iron anchor bolts (27 of them) with ½ x 4 in. cross piece at bottom to secure coping to above walls. Provide and build parapet walls of brick to side of front entrance steps, as shown per drawings, and build in ¾ in. x 18 in. iron anchor bolts (27 of them) to each side of step to anchor down the coping to same and as described for coping to rear steps. Build all belt, string and salling courses, plinths, &c., to outer walls, as shown per elevations; also all aprons to underside of window sills, the latter cut and rubbed to shape indicated and as per details to be furnished as required. Build water tank plinth to base of brickwork, as shown per elevations, with the top course of moulded splined bricks with the top bed of same laid in Portland cement. Arches to window and door openings, also relieving arches in rear wall of building, to be 13½ in. and 9 in. in height respectively, as indicated by drawing; to be cut and gauged and with soffits rubbed and finished in best manner. Turn relieving arches two ½ brick rims in height to inside of all window and door openings to have a camber of not less than 6 in. in height, and to be finished with a brick and mortar. Turn all brick arches near the corridors on both stories as indicated by dotted lines on drawings, segmental in form and 13½ in. in height. The inside of front porches are to be faced up with picked, clean and even colored white brick laid stretcher bond in putty joints and lead jointed, and the inside arches showing in same porches to be finished in same manner; also that portion of the main wall showing on the inside of porches to be finished with the same external walls (except the face of rear wall) will be dry tuck pointed in the very best manner, the joints being raked out full ¼ in. deep as the work progresses, and when ready for the pointing to be stopped in with putty mortar specially prepared and colored a dark Indian red or other color to be selected and approved by the architect. The stopping for tuck pointing is to be colored with the same red, and to be finished in the same manner. It is to be done and approved by the architect before the regular work is begun. It is to be distinctly understood that a first class job in every respect is required, and that none other will be accepted by the architect. The face of rear wall is to be laid up with even colored brick with close and true joints and struck with the trowel in a neat and workmanlike manner. Beam filling is to be carried to top of joists and to roof heading in all cases, and is to be pointed with mortar so as to render the same air tight. Carefully and thoroughly flush into all window and door frames as the brickwork progresses, and carefully preserve the staying of all frames. Build in all bond stairs, joists, plates, lintels, wood blocks, &c., required by carpenter, and build chases for water and waste pipes required by plumber. Provide and build in the following: First clean off the earth floors removing all wood cuttings and other rubbish, and carefully level the ground, grading the same towards the weeping drains; then provide and lay over the whole surface of floors a bed of fine broken brick and coarse gravel well mixed together, to a depth of at least four inches, all well rammed down; then provide and build in a fine grained concrete, not less than 1½ inches thick with Portland cement in the proportion of one cement to three of gravel, and over this floor on a coat of Portland cement one inch in thickness mixed with clean sharp sand, in the proportion of one to two. The top coat of cement is to be floated to sand and trowelled down to a smooth and level surface throughout, and to be protected until thoroughly set. The cement floor is to be finished in the same manner, and is to be provided with a floor of iron grating connected with the drains underneath to carry off water when the floors are washed. All the above concrete and cement floors are to be executed with the very best of Portland cement and other materials, and in the most workmanlike and thorough manner. The contractor or contractors are to provide good and sufficient scaffolding, to be approved by the architect, and to be left up from the premises, and they will conform to the requirements and provisions of the building by-laws of the city. The chimney stacks are to be tuck pointed as described for walls, in the most careful manner, and the stone base and cap set and pointed in Portland cement. As soon as the tuck pointing is done, or sooner if required by the architect, the contractor will remove all bricklayers' surplus materials, and all rubbish, and clean up the street fronts used by him, and will also clean out the basement and other flats of the building, removing from same all bricklayers' rubbish, surplus materials and plan, &c. The whole of the bricklayers' work is to be executed in the most thorough and workmanlike manner and complete in every respect, the contractor furnish-

ing all necessary and proper materials, scaffolding, tools and labour, and executing all the works called for by the plans and specifications, comprehending what might reasonably be implied, though not particularly mentioned in the specifications or shown on the drawings.

CUT STONEWORK.

Provide and set all cut stonework throughout the building complete in all respects, and as follows, viz.: All window sills to be of Credit Valley brown stone, 6 in. x 10 in., fine tooled and weathered on top and throated under, but to be rock face on the face and to project 2 in. from face of brickwork. All windows above the basement and all entrance doors to have 6 in. x 12 in. stone heads of Credit Valley brown stone, fine tooled on the soft or under side, and to be back checked and pocked to a face on the back side to fit to frames and lintels, but to be left rock faced on the front. The two basement rear entrance doors to have 12 in. x 6 in. tooled or rubbed Berea heads. The chimney and ventilating stacks will have 6 in. thick base and cap stone, as shown per elevations and sections; to be fine tooled and weathered on the top side and throated under. Cut left rock face on the edges. These cap and base will be formed in the number of stones each as shown per details, to be cramped and leaded together and the joints set and pointed with Portland cement. The base stone will form the floor of belfry between the two vent stacks, and will have a 2 to 3 in. hole drilled through same and a piece of 2 in., 8 lb. lead pipe inserted in same and neatly dressed down and flanged to the stonework, and to pass down above the stone to the ground. Provide and build in three through and three over two Berea stone corbels 14 in. x 22 in. x 12 in. to carry the point of main rafters at side of ventilating stacks; to be tooled work. Provide and set fine tooled Berea stone sills to basement entrance doors, 6 in. x 4 ft. 6 in. x 18 in. The sills to rear windows are to be of fine tooled Berea, weathered and throated. Provide and fix inscription stone to front of building at 2 in. x 6 in. and 14 in. x 9 in. in length, with all inscription stone set in place. Set lintels to same height as the sills, and to be 14 in. deep, and capitals 14 in. high, 1½ in. wide and inch deep. This stone will be of Credit Valley brown stone, rock faced on the margin and fine tooled in the centre to receive the lettering. Provide and fix cap stones of rubbed Berea stone 3 in. thick, to cover the top of hot air flue projections on the two rear corners of building. There will be four of these stones, two of them 14 in. x 36 in. and two of them 14 in. x 36 in. to be weathered on top.

GALVANIZED IRONWORK.

Provide best quality of "Iron" brand or Gospel Oak No. 26 B.W.G. galvanized iron, and form and execute and complete in the most substantial and workmanlike manner all the galvanized ironwork hereinafter described. The deck roof to be covered with galvanized iron formed in long sheets with joints made on 2 in. rolls with caps to same milled and soldered, and with false or expansion rolls between same. The joints to be kept jointed and soldered with zinc. Turn down iron down to the edge of slate, and form moulding at junction of deck and slate roof as per marginal section. All well stayed, nailed and soldered, and with spring or wind seam along the slate apron. Line all valleys with galvanized iron, 20 in. in width, and under same lay one ply of tarred felt 30 in. wide properly nailed down. Lay apron of galvanized iron to all eaves 10 in. wide, turned up under slating and to be roared and soldered to the roof. Turn down iron down to the edge of troughs throughout to be oval and fillet shaped, with lark to same 4 in. above level of trough, all well secured to face of cornice with long spikes through galvanized iron trales. Eave troughs to be well soldered at all cross joints. Down pipes to be Douglas Bros. patent octagon shaped, secured with patent hold fast spikes to brick walls, and to be carried down 2 ft. below ground level, and to be connected to drain pipes. There will be six stacks of 5 in. octagon down pipes as above described, and two small stacks of same from the front porch roof; also four stacks of 4 in. round down pipe from play-shed roofs, the latter to have shoes to same to waste onto the planking. The main roof gutters to be 6 in. moulded, the porch 5 in. do, and the sheets 5 in., all complete. Provide and fix 10 in. wide close flashing to all roofs, and to be finished with the same as the iron, where required around the base of the ventilating stacks and belfry, the iron to be tacked one inch into joints of brickwork and wedged with iron wedges, and cemented with Portland cement, and dressed down and fitted neat and close to brickwork, and where practicable to be stepped with the brick courses. Provide and fix galvanized iron cresting (moulded) to belfry ridge in accordance with details, and to be finished with the same as the iron, and to be provided to same as per drawings. All the galvanized iron work is to be executed as expeditiously as the progress of the building will admit of, and in the most substantial and workmanlike manner, complete in all respects. Provide and cover the man-hole opening in deck roof both sides and top; sides 12 in. high and top about 3 ft. square with galvanized iron, all fitted and finished in best manner.

SLATING.

Provide and slate the roof (excepting those of the play sheds) with the best description of Canadian slate from the Melbourne Quarries. Slates to be 10 in. x 20 in., laid on single ply of tarred felt with double lap keving 10 in. to the weather. Each slate to be nailed with two galvanized iron nails, and to be laid with double row at eaves. Trim the slate to a line on both sides of all valleys, and cut and lay all hips with cut close chimney and point joints, and to be finished with the same as the iron, and to be provided with close flashings of galvanized iron to all slating abutting against brickwork, and in the most careful manner. Carefully lay and close into the tarred felt so as to cover the roof boarding at all points, and lay double straddle thickness of felt over all hips, valleys and ridges. Execute all other work necessary to render the slating complete in every respect. Examine the slating on the completion of the roof, and if any of the iron work is any way broken or displaced slate, and clean out and remove all broken slate and cuttings of same from eave troughs and down pipes and raffles. Remove all surplus slate and cuttings, &c., from the premises on completion of the slating. The belfry roof is to be laid with round tailed red tiles laid in cement and all well cemented at joints and against brickwork.

PLUMBING WORK.

Provide and lay in from street, main, cask of frost and with stop and waste cock bored in and pucked, &c., 10 in. 6 lb. lead water service to basement of building, with separate ¾ in. x 1 lb. branch service from same to the drinking stands in basement, lunch rooms and to ground and first floor corridors, and in all cases to be carried on neat dressed and moulded boards fastened to wall and ceilings, and where required to be cased in the woodwork provided by the contractor. The service pipes must be strung so that the same can be emptied with proper stop and waste cocks. Provide and fix in each lunch room or basement one of Mott's patterns of cast iron enamelled drinking stands, No. 93 pattern, page 42 of Mott's catalogue, 1881 edition. Also provide and fix copper, or in the recess next to ventilating stacks on ground and first floor, stop and waste cocks, and also stop and waste cocks, and long each, to be fixed as drinking stands, to be supported on proper dressed boards secured to wainscoting; see Mott's catalogue No. 257-8 pattern, page 127, edition of 1881; these drinking stands to have ¾ bed pattern self-acting spring cocks, nickel plated, two to each stand in basement and six to each stand on ground and first floors. (16 in. all). Each stand to have 1½ in. 6 lb. lead waste and trap and sewer,