

DIVISION NO. 60CARPENTRY WORK, LUMBER, AND MILLWORKSec. 60-1 GENERAL:

The General Conditions, Division G, written for this project, shall form a part of this Division, and shall apply fully to all work hereunder.

Sec. 60-2 SCOPE:

The work included under this Division shall be the furnishing, fabricating, and installing of all lumber and millwork, and all carpentry work of every and all kinds, necessary and incidental to the work shown on the drawings, called for herein, or reasonably implied for the satisfactory completion of the building. Furnish all materials, labor, tools, equipment and scaffolding required, etc. The application of finishing hardware is included under this Division; also the furnishing and installing of all rough hardware, together with all other miscellaneous items usually done under this Division.

Sec. 60-3 LUMBER AND MILLWORK - GENERAL:

- (a) All lumber and wood shall be of the species and grade hereinafter specified. Items not specifically mentioned shall be of species and grade best suited for the intended use.
- (b) All lumber and wood shall be well seasoned, free from splits, shakes, large loose knots, or other imperfections that may impair its strength, durability, or appearance as its use demands. The Architect may reject any lumber delivered to the site which, in his opinion, is unsuitable with respect to moisture content, quality, or appearance for the intended use.
- (c) All millwork shall be fabricated in accordance with the best standard practice from thoroughly kiln dried lumber. Shop details shall be submitted to the Architect for approval. (See General Conditions.)
- (d) Millwork that is delivered to the site in an imperfect condition, or that is injured after delivery to the site, shall not be incorporated in the work.
- (e) All wood work, upon completion, shall be left in a smooth, undamaged condition, with surfaces sanded smooth and ready to receive paint or other finish as called for.

Sec. 60-3 LUMBER AND MILLWORK - GENERAL (Cont'd):

- (f) All frames shall be well anchored in place, rigid and secure.
- (g) Protect all lumber and millwork against dampness during and after delivery. Store millwork and finished lumber under cover. Failure to do so may be cause for rejection.

Sec. 60-4 LUMBER - SPECIES and GRADES:

- (a) Structural lumber shall be fir of a select structural grade or better, and shall have a safe working (or design) fiber stress in bending of not less than 1,600# per sq. in. T & G wood roof sheathing of fir shall have a working fiber stress of not less than 1,600# per sq. in. Where concealed, roof members and floor joists may be dressed on two edges, but where exposed, they shall be surfaced on four sides. Bridging shall not be less than 1" x 3" yellow pine (or fir), spaced not over 8'-0" o.c. Construct wood roof and floor construction as called for on the drawings. Wood sub-floors to be of a good grade of pine.
- (b) Bracing, Furring, Grounds etc., shall be of a good grade of fir, pine, or other wood acceptable to the Architect.
- (c) Finish flooring, stair treads and risers of wood stairs shall be of clear red oak.
- (d) Exterior Trim and Woodwork -- unless otherwise called for, a select grade of White or Ponderosa Pine (except exterior cornice, barge boards and facias may be No. 1 N. C. Pine).
- (e) Interior Trim and Woodwork -- unless otherwise called for, to be clear red oak. See details on drawings.
- (f) Plywood -- Red oak face veneered, one or two sides as required; thickness, type, etc., as use demands and as called for. For exteriors, use "exterior" grade plywood.
- (g) Boxing for exposed steel trusses, purlins, etc., in the New Church Building roof shall be of a select grade straight grain Pine (or Fir, if approved by the Architect) and shall match the roof sheathing as nearly as possible. Refer to details on drawings. Do all required blocking bracing, etc.

Sec. 60-5 CARPENTRY - GENERAL:

Carefully lay out, cut, fit and erect all framing, sheathing, bridging, blocking, and other items of carpentry. Do cutting and carpentry work required for other trades. Brace, plumb, and level all members and secure with sufficient nails, spikes and bolts to insure a strong, rigid construction.

Sec. 60-6 FRAMING:

- (a) Do all necessary or required framing to carry out the true intent and meaning of the drawings and specifications.
- (b) New wood stud partitions shall be built of fir or pine, shall have vertical studding, spaced 16" o.c., with sill, double cap-plate, and center brace. Truss and frame over openings as required.

Sec. 60-8 CENTERING:

Furnish and set all centers for brick work, block work, stone work, etc., walls or partitions. All shall be built in a substantial manner and amply strong to carry any temporary or permanent loads to which they might be subjected. Make all required templates and install all necessary blocking for nailing and for all work.

Sec. 60-9 GROUNDS, BLOCKS, ETC.:

Furnish and build in all required blocks, nailers, grounds, and the like, same to be installed well anchored and rigid. Furnish and erect, before plastering, etc., is begin, mill-sized grounds not less than 3/4" x 1-3/4" in all locations requiring same; double grounds shall be placed behind all trim wider than 5". Grounds shall be accurately set, and shall act as screeds for the plastering.

Sec. 60-10 FURRING:

- (a) Furnish and install, on all interior faces of exterior walls which are to be plastered, vertical wood furring. Contractor shall be sure to install all necessary wood strips and grounds for anchoring the heating units. Wood furring shall not be installed until the interior face of the exterior walls has been dampproofed.
- (b) Wood furring shall consist of 1" x 3" (approximately) wood strips, spaced not over 16" o.c., with cross pieces as required, and well nailed and anchored. Use non-corroding nails. Furring shall be set to line, plumb and true.

Sec. 60-11 MILLWORK AND TRIM:

- (a) All millwork and trim shall be of material, design, and profile as detailed and called for on the drawings. Stock items may be used if reasonably close to detailed profiles, and upon written approval of the Architect. Carefully erect millwork with tight joints, blind nailed where possible. Corrosion-resistant nails only shall be used on exterior woodwork. Secure interior trim with finishing nails. Carefully fit joints. Miter or cope angles of trim as required.

Sec. 60-12 WOOD DOORS:

- (a) All doors shall be of material, design and dimensions detailed on the drawings and shown in the door schedule on the drawings. All doors shall be Grade 1, meeting the requirements of CS 171-50 National Woodwork Manufacturers Association for hardwood veneered doors, and shall be of manufacture equal to Curtis or Morgan. Edges shall be veneered.
- (b) All veneers shall be guaranteed to be permanently secure, and, in the event of peeling, cracking, or becoming otherwise defective within two (2) years after installation, the respective doors shall be replaced completely finished and installed, by the Contractor, without expense to the Owner.

Sec. 60-12 WOOD DOORS (Cont'd):

- (c) Exterior wood doors shall be of Red Oak, as called for on the drawings.
- (d) Stock doors will be accepted, provided they meet with the approval of the Architect.

Sec. 60-13 WOOD DOOR FRAMES:

- (a) All door frames of wood shall be as called for on the drawings, 2-1/4" or 1-3/4" thick and not wider than 9-1/2". Where the wall thickness demands a greater width, the difference shall be made up of 13/16" jamb linings of same material as frames.

- (b) Wood door frames shall be of red oak (see Door Schedule).

Sec. 60-14 METAL DOORS AND FRAMES: -- SPECIFIED UNDER DIV. No. 8, pg. 8-5.

Metal doors shall be FENESTRA, DIEBOLD, or equal, of type and sizes indicated on the drawings. Equip with door manufacturer's standard louvers where called for. Door frames shall be No. 18 gauge pressed steel, formed with integral stops and rabbets. See drawings for details. Frames shall be machined for attachment of hardware, and shall be complete with lugs for anchoring to masonry. All metal doors shall be complete with the door manufacturer's standard hardware, to include cylinder lock, door check, and door stop. Where lights are indicated, door manufacturer shall furnish glazing mouldings.

Sec. 60-15 SLIDING CLOSET DOORS:

Sliding closet doors and frames shall be a stock unit, either wood or metal. Size of doors shall be as called for in the Door Schedule shown on the drawings. Unit shall be made in a substantial manner, and shall be complete in every respect. Contractor shall submit the door unit he proposes to use to the Architect for approval.

Sec. 60-16 WEATHERSTRIPPING:

Furnish and install metal weatherstripping of an approved type around all exterior doors. Thresholds are to be the "school" type, and are included under Division No. 69, FINISHING HARDWARE. The Contractor shall guarantee the fitting of exterior doors and weatherstripping to be weathertight, and any required adjustments or replacement of material required to attain this result shall be made by the Contractor at no additional expense to the Owner.

Sec. 60-17 CAULKING:

All exterior window and door frames shall be set in and surrounded with elastic caulking compound as a part of the work of this section. All frames shall be caulked from the outside between the frames and the masonry as given in Division CAULKING, but the Carpenter shall remove and replace the hanging stiles.

Sec. 60-18 WOOD STAIRS:

- (a) Construct wood stairways and steps as detailed on the drawings. Carriages and structural members shall be accurately cut and fitted: wood stairways shall have not less than three (3) carriages cut from 2" x 12" structural lumber as hereinbefore specified. Landings, platforms, etc., shall be adequately framed and supported. All this work shall be carefully done by skilled mechanics. Do all woodwork in connection with other stairways, as required.
- (b) Treads and risers shall be tongued and grooved together and so installed as to produce a squeak-free work. Treads - 1-1/8" thick, risers - 7/8" thick.
- (c) All nosings shall be rounded and shall project beyond riser about 1-1/4", with small scotia moulding under projection.
- (d) Provide framed openings at stairs as may be required or called for, including trim and railings as shown on drawings.
- (e) Surfaces of treads, risers, platforms, rails, newels, etc., shall be sanded to an even, smooth surface, ready for finish.
- (f) Wood handrails shall be stock shape and made in one (1) section and supported on metal brackets not more than 5'-0" apart. All joints shall be made with bolts and nuts. Handrails shall be made of clear Birch or similar wood.

Sec. 60-19 CHANCEL PLATFORM AND STEPS:

Construct Chancel Platform Steps, wood floors of Predella and Sanctuary Platform, Choir Steps, as shown on the drawings. All exposed nosings to be of red oak. This work shall be coordinated with the Furniture Contractor through the Architect.

Sec. 60-20 PLATFORM FOR CORNER STONE LAYING:

The Contractor shall provide and erect a safe and satisfactory size platform, steps, railings, etc., for use at the Corner Stone Laying ceremonies. Before building this platform, he shall consult the Minister of the Church for detailed requirements.

Sec. 60-21 PASS WINDOWS AT KITCHEN:

Construct Pass Windows (with shelf) at Kitchen, as called for on the drawings. Sliding wood doors or blinds are to be furnished and installed complete with actuating hardware (metal slides, tracks, and counter-balancing equipment) and locks, and shall be adjusted to operate easily. Coordinate this and all carpentry work in the Kitchen area with the Kitchen Equipment Contractor through the Architect. (Hardware to be furnished under Division No. 69.) Pass windows to be covered on Kitchen side with sheet metal to meet the Code.

Sec. 60-22 ENTRY BULLETIN BOARD:

Furnish and install a bulletin board and mount same in the Entry. Board shall be approximately 3' high x 4' wide, of the magnetic type (Armorply, made by U. S. Plywood Corporation), encased in an oak wood frame, with double hinged doors, and recesses for top and side lights. Provide an adequate number of permanent magnets (for use in attaching papers). Note:-- A minimum of fifty (50) magnets is required. Submit detail of unit to Architect for approval.

Sec. 60-23 TRAP DOORS, ETC.:

Construct and install all trap doors, etc., required for the completion of the work.

Sec. 60-24 CANT STRIPS, ETC.:

Install or furnish to the proper Division all cant strips, etc., required at all roof parapets, etc.

Sec. 60-25 BARGE BOARDS, FACIAS, ETC.:

Provide and erect wood backing and barge and fascia boards at all eaves or roof edges, except at parapets, where called for on the drawings, and paint same with lead and oil paint. All barge and fascia boards to be covered with metal to be given two (2) coats of lead and oil paint before covering with metal.

Sec. 60-26 WOOD BASES:

Furnish and install all wood bases, particularly on 1st Floor and Gallery - 2nd Floor, same to be of red oak.

Sec. 60-27 CLOSETS, ETC.:

In all closets, provide and erect a top shelf, wood hanging rod, coat hook strip and coat hooks, same to be of good quality materials. In one Sacristy Closet, install wood shelves at about 24" centers vertically.

Sec. 60-28 HARDWARE:

- (a) Furnish and install all rough and structural hardware required throughout the job.
- (b) Set and install all finishing hardware required, in a neat and workmanlike manner. For finishing hardware - see Division No. 69.
- (c) Finishing hardware shall be set and removed prior to painting and finishing, and reset after painting and finishing of woodwork is completed.

Sec. 60-29 HAND RAILS (INTERIOR):

Handrails of all interior metal and wood stairs shall be of clear birch. Stock rails approved by the Architect shall be used.

Sec. 60-30 MINERAL CORE OAK FACED DOORS:

- (a) These doors shall be Weldwood Fire Doors (Class "B" Label) manufactured by the U. S. Plywood Corporation, or an equal, if approved by the Architect.
- (b) Door D-4 need not have two oak faces. The gallery face must be of oak, but the stair tower face may be of birch (or of oak).

Sec. 60-31 ORGAN CHAMBER SCREENS:

Furnish and install Organ Chamber Screens complete, including the radio cloth. Millwork of a select grade of red oak, details to be submitted to Architect for approval. Contractor to procure and submit samples of radio cloth to Architect for his selection.

Sec. 60-32 TOWER CUPOLA AND SPIRE:

Furnish all lumber and millwork and do all carpentry work in connection with the tower cupola and spire, all as called for and shown on the drawings or as required. Structural wood shall be fir, as called for in Sec. 60-4 (a).

Sec. 60-33 FINAL:

The Contractor shall furnish and install all miscellaneous items of lumber and millwork not heretofore specifically mentioned, which are necessary for the proper and complete carrying out of the work.

DIVISION NO. 69FINISHING HARDWARESec. 69-1 GENERAL:

The General Conditions, Division 6, written for this project, shall form a part of this Division and shall apply fully to all work hereunder.

Sec. 69-2 SCOPE:

- (a) The work included under this Division shall be the furnishing of all finishing hardware of every description required for the completion of the building, but not its application, which shall be done under Carpentry Division.
- (b) Rough and Structural hardware are included under Carpentry Division.

Sec. 69-3 ALLOWANCE:

The Contractor shall allow in his proposal the sum of **\$2,800.00.** for all the finished hardware required for the job. In the event more expensive hardware is selected, the additional cost shall be paid by the Owner to the Contractor; and if less expensive hardware is selected, the difference shall be credited to the Owner by the Contractor.

Sec. 69-4 SELECTION AND PURCHASE OF HARDWARE:

- (a) The selection of the Finishing Hardware shall be by the Architect, who shall make the award of this contract. The Contractor, if requested, shall furnish the Architect with a complete list of all Finishing Hardware required.
- (b) Face hardware shall not be set until painting is completed. Hardware shall be installed and properly located before painting is started, then removed and not finally installed until painting is completed.

Sec. 69-5 ITEMIZED SCHEDULE, TEMPLITS, ETC.:

As soon as the contract is awarded, a complete schedule of hardware shall be made up showing every detail thereof. Immediately after approval of this list, templots and other information required by the metal door sections shall be forwarded. All hardware shall be ordered as soon as possible to avoid possible delay in the work.

DIVISION NO. 13FURRING, LATHING AND PLASTERINGSec. 13-1 GENERAL:

The General Conditions, Division G, written for this project, shall form a part of this Division and shall apply fully to all work hereunder.

Sec. 13-2 SCOPE:

The work included under this Division shall be the furnishing, fabricating and erection of all furring, lathing, plastering, shown on the drawings, called for hereinafter, or reasonably implied for the completion of the work without additional expense. Included is all repairing and patching of existing plaster which is damaged due to construction activities. Wood furring is called for under Carpentry Division.

Sec. 13-3 SCAFFOLD:

Scaffolding for this work shall be furnished and installed as a part of this work in a safe and rigid manner to the satisfaction of the Architect with as few vertical supports as possible. It shall remain in place after the plastering has been finished and until all other work requiring scaffolding shall have been installed, or in the event of unreasonable delays by other trades, until ordered removed by the Architect. Scaffold boards shall be so set that the floors under them will not be stained with plaster drippings, etc. Any such stains on the floors shall be completely removed by this Division to the satisfaction of the Architect. Any damage done to any work in the removal of the scaffold shall be made good at the expense of this Division.

Sec. 13-4 METAL FURRING:

- (a) Metal furring shall be required for all suspended ceilings, or false walls, over vent ducts, chases, and in various locations at the walls, false beams, etc., as shown on the drawings. All furring shall be substantially built, braced, and tied back into the walls for safe support to prevent sagging, buckling, etc.
- (b) All plastered ceilings throughout which are of the suspended type shall be hung on 1/4" rod hangers. To these hangers this Division shall attach 1-1/2" x 1-1/2" angles, spaced not more than 4'-0" apart, and to these angles shall be wired 3/4" hot rolled channels weighing not less than .4 lbs. per foot and spaced 12" o.c. at right angles to the angles. Wire shall be of No. 14 gauge, galvanized, and wood stud partitions.
- (c) The exterior walls shall be lathed with 3/8" rock lath with metallic vapor seal. The remainder of the

Sec. 13-4 METAL FURRING (Contd.):

construction shall be lathed with No. 24 gauge, 3.4 lbs. copper bearing expanded metal lath which shall be wired to the channels with No. 18 gauge galvanized wire, etc. Metal lath shall be installed in all intersections of ceilings with walls, and walls with walls, and shall lap at least 12" each way.

- (d) Wood furring is called for under Division Car-pentry, Lumber, and Millwork.

Sec. 13-5 CORNER BEADS:

Expanded metal lath corner beads shall be installed at all exposed plaster corners throughout, including window heads, and jambs, both horizontal and vertical, for the full width and height. All walls and ceilings shall be carefully examined and all grounds verified, and anything not in proper condition shall be reported to the Architect before plastering starts. Corner beads shall be installed around sides and top of all arches. All re-entrant angles shall be reinforced with standard expanded metal angle lath strips.

Sec. 13-6 PLASTERING:

- (a) Plaster for all work, except as otherwise specified or shown, shall be of Gypsum wall plaster as manufactured by the U. S. Gypsum Co. of the grade known as Red Top Plaster, or an equal which shall first be approved by the Architect. The finishing coat shall be composed of Red Top finishing lime and Red Top calcine plaster of either smooth white or sand finish as called for on the drawings. All plaster shall be mixed strictly in accordance with the printed instructions and specifications of the plaster manufacturer. All surfaces shall be trowelled to a hard, smooth, and even surface.
- (b) Water used for mixing plaster shall be taken from the existing drinking water lines.
- (c) All materials shall be delivered to the building in original sealed containers bearing the name of the brand and that of the manufacturer, and shall be used strictly in accordance with the directions.
- (d) The sand shall be clean, sharp, and free from all organic matter, and fully meeting the requirements of the latest standard specifications of the A.S.T.M. for plastering sand. It shall be of such grade of fineness as required to produce the finish desired.

Sec. 13-6 PLASTERING (Contd.):

- (e) At completion and before final acceptance of the work by the Owner, all work included under this Division shall be pointed up and put in perfect condition to the satisfaction of the Architect, without additional expense.

Sec. 13-7 FINISH:

Plastering shall be applied in three coats with the finishes called for. Where no specific finish is shown, it shall be of hard, sand finish plaster, rodded and smooth in all directions.

Sec. 13-8 STAIR SOFFITS:

The soffit of stairs shall be furred, lathed and plastered, unless otherwise called for on the drawings.

Sec. 13-9 SCRATCH COAT OR FIRST COAT:

The scratch coat shall be applied evenly on all surfaces and on lathed surfaces with sufficient force to insure a good key leaving a light coat over the lath, and when same is firm, but not dry, scratch the entire surface, both horizontally and vertically, with metal scratcher to provide a substantial bond for second coat.

Sec. 13-10 BROWN OR SECOND COAT:

The brown coat shall be applied evenly on the scratch coat and masonry surfaces, brought out to correct planes and to face of the grounds, and rodded straight and true. The mortar in all corners shall be left slack so as not to fatten up, and all surfaces, corners, and angles shall be straight, sharp, plumb, or level. The brown coat shall not be applied to the scratch coat until the latter has thoroughly set. No waves or other irregularities in corners will be accepted.

Sec. 13-11 FINISH OR THIRD COAT:

The finish coat shall be applied after the brown coat has set thoroughly and almost dry, and shall be straightened with straight edges in all directions. Putty finishes shall be troweled to a smooth, even plane surface and left without scratches, ridges, waves, cracks, voids or other defacements, and shall be brushed with water while being troweled to prevent too rapid drying. Sand finishes shall be smoothly and evenly carpet floated on to a perfectly true and even surface, free from scratches, ridges, waves, voids or other defacements of any kind.

Sec. 13-12 ORNAMENTAL PLASTER:

- (a) Furnish and install ornamental Plaster Corbels (at trusses), same to be a prefabricated stock item of detail and profile as shown on the drawings. Furnish shop drawings and setting details for approval by the Architect.
- (b) Furnish and install all ornamental work, including plaster mouldings around chancel arch (in chancel screen), as detailed on drawings. Note that the chancel screen is sand finish, but the mouldings are white hardwall finish.

Sec. 13-13 ACOUSTICAL PLASTER -- WHITE HARDWALL PLASTER:

- (a) Furnish and install all acoustical plastered ceilings called for on the drawings, including the following: over the side bays over gallery (including extension of ceiling into tower), ceilings under gallery (including Narthex ceiling and extension into tower), ceiling of first floor of Dillon Street Wing, ceiling of the two robing rooms, and the ceiling of the basement hall, including stair corridors (note - the exposed beams which drop below the main ceiling are to be of white hardwall finish). Acoustical plaster shall have a "float" finish.
- (b) White hardwall finish is specified for the ceiling of the kitchen, and for the walls and ceiling of each organ room, also for all ornamental plaster work.

Sec. 13-14 PROTECTION:

The work under this Division shall include the protection of all wood, glass, floors, and other work provided by others; and the Contractor shall, when directed by the Architect, place and maintain in proper condition, tarpaulins or drip cloths to protect such other work.

Sec. 13-15 FINAL:

The Contractor shall see that the plastered walls are kept absolutely clean, free from writing, finger and other marks, as the walls are to remain unpainted (as noted in the finish schedule). He shall also see that no dents, scratches or the like mar the finished surface when the job is completed. The Contractor shall be held accountable for the enforcement of the above. The Contractor shall do all pointing up and/or repairing required.

TIN CLAD DOORS AND FRAMESSec. 16-1 GENERAL:

The General Conditions, Division G, written for this project, shall form a part of this Division and shall apply fully to all work hereunder.

Sec. 16-2 SCOPE:

The work included under this Division shall be the furnishing and installation of tin clad doors and steel frames, as shown on the drawings, called for herein, or reasonably implied.

Sec. 16-3 DETAILS:

- (a) Refer to General Conditions and, in accordance therewith, prepare and submit shop details for all work requiring them. These drawings shall show methods of construction, etc., and the type of doors and sizes.
- (b) Refer to door schedule on the drawings for sizes and thicknesses of doors. Widths given are between rebates for hinged doors.

Sec. 16-4 TIN CLAD DOORS:

- (a) Tin clad doors shall be built in accordance with the Underwriters' requirements and shall bear their label. They shall be made of a core of well-seasoned white pine, fir or spruce, tongued and grooved, dressed on both sides to approximately 3/4". Doors shall be of three-ply construction with outside plies run vertically and inside ply horizontally and all nailed together with cut nails driven in flush and clinched so as to leave a smooth surface on both sides of core. Vertical and horizontal rows of nails shall not be more than 8" apart with the outer rows nearest the edges.
- (b) Doors shall be covered with I.C. 20 lb. fire door standard Terne Plate as called for by the Underwriters. All joints shall be locked a full half-inch and shall be nailed under seams. Sheets are to be as flat against core as possible to avoid air spaces.
- (c) All hardware in connection with these doors as required shall be furnished under this Division and shall bear the Underwriters' labels. Furnish and install required rope or chain, weights, tracks, fusible links, etc.
- (d) Frame shall be of steel, detail as approved by the Architect.
- (e) The entire installation, including frame, shall be as approved by the Fire Underwriters.

DIVISION NO. 18

RESILIENT FLOOR TILES

SEC. 18-1 GENERAL:

The General Conditions, Division G, written for this project, shall form a part of this Division and shall apply fully to all work hereunder.

SEC. 18-2 SCOPE:

The work included in this division shall be the furnishing and laying of all resilient floor tiles shown and called for on the drawings and in these specifications or reasonably implied for the completion of the work.

SEC. 18-3 EXAMINATION OF BASE:

The Floor Coverings Contractor shall carefully examine all surfaces to be covered and advise the Architect and in writing, of any defects therein, as on commencing his work, he will be considered as having accepted the surface in place and waived all claims to the contrary.

SEC. 18-4 ASPHALT TILE:

All Asphalt Tile shall be 1/8" thick, of stock sizes, and of colors to be selected by the Architect. Asphalt Tiles shall be of Grades "B" and "C", where and as called for on the drawings. Tiles shall be as manufactured by Armstrong, Johns-Manville Co., David E. Kennedy, Inc., Thos. Moulding Co., Tile Tex Co., and the like.

SEC. 18-5 LINOTILE:

Linotile shall be Armstrong Linotile of color to be selected. Apply strictly in accordance with the tile manufacturer's printed specifications. Thickness of tile to be 1/8".

SEC. 18-6 GENERAL:

- (a) The general patterns for laying floor tiles shall be determined by the Architect in conference at a later date. Only very simple patterns will be used.

SEC. 18-6 GENERAL (Cont'd):

- (b) In laying floor tile, small fillers shall be avoided, wherever possible.
- (c) Where floor finish changes material and where required, there shall be a heavy metal floor strip placed across same as approved by the Architect.
- (d) All adhesives used shall be the standard adhesives recommended by the Tile Manufacturers, and all installation of Floor Tiles shall be in accordance with the Manufacturer's recommendations.
- (e) At the completion of the job, Floor tiles shall be thoroughly cleaned, and Tiles shall be waxed and polished with an approved mechanical polisher and left in first-class condition.
- (f) Floor Tile installation shall be unconditionally guaranteed, by the floor covering Contractor, to remain in place for five (5) years.

DIVISION NO. 79
ACOUSTICAL TILE CEILINGS

Sec. 79-1 GENERAL:

The General Conditions, Division G, written for this project, shall form a part of this Division and shall apply fully to all work hereunder.

Sec. 79-2 SCOPE:

The work under this division includes all acoustical tile ceilings, some to be completely installed, including suspensions, stripping, etc. See the drawings for location of acoustical ceilings, - (see Schedule of Finishes). The Contractor must secure the approval of the Architect on the manner of installation before ordering any materials.

Sec. 79-3 ACOUSTICAL TILE:

Acoustical Tile shall be bevel edged, perforated tile, with a white factory finish, size 12" x 12" x 3/4" thickness, made by Celotex or equal make. Bevel edges shall be painted. Submit samples of tile to Architect for selection and approval. All tile shall be wood fiber tile.

Sec. 79-4 METHOD OF SUSPENSION; INSTALLATION; GUARANTEE:

- (a) The method of suspension will be left to the option of the Contractor, with the following provisions:
1. It must be submitted in detail to the Architect, and must meet with his approval.
 2. The Contractor must guarantee that tiles will remain fixed in place for five (5) years. Any tiles which come loose during that period must be replaced by the Contractor without expense to the Owner.
- (b) Where bottom edges of joists are level, wood nailers may be attached directly thereto, and the tile applied with screw type nails, or screws. Suspension systems may be of wood or metal, as approved by the Architect. Acoustical tiles may be applied directly to plaster, rocklath, or similar material, by use of an adhesive, provided that such an installation has been approved.
- (c) Finish and install a wood moulding at all intersections of ceiling and side walls; moulding to be of type and profile (stock) selected by the Architect. Moulding to be about 2-1/2" to 3" high.

DIVISION NO. 80

GLASS AND GLAZING: MIRRORS

Sec. 80-1 GENERAL:

The General Conditions, Division G, written for this project, shall form a part of this Division and shall apply fully to all work hereunder.

Sec. 80-2 SCOPE:

The work included under this division shall be the furnishing and installing of all glass of every description called for on the drawings, specified hereinafter, or reasonably implied for the completion of the building.

Sec. 80-3 MATERIALS:

- (a) Glass shall be as scheduled under Sec. 80-9 of this Division.
- (b) Submit samples of all glass to Architect for approval.

- (a) Putty used shall be of the type adapted to the particular service to which it is put.

Sec. 80-4 MIRRORS:

- (a) A mirror shall be furnished and installed in each Toilet Room, and also in each Robing Room.
- (b) Mirror shall be 20" x 36" in size, No. 1 plate glass, having five (5) year guarantee against silver spoilage, with galvanized metal back. Frames shall be chromium plated brass channels. Mirror shall be mounted over the lavatories.

Sec. 80-5 DEFECTIVE GLASS:

At completion of the work and before final acceptance, all broken, cracked, chipped or otherwise defective glass shall be removed and replaced with whole and perfect glass, without additional expense. This shall apply irrespective of the source or cause of the defects.

Sec. 80-6 INSTALLATION:

All glass of every description shall be installed by mechanics skilled in this work, and in strict accordance with the best and most modern practices of the trade.

Sec. 80-7 WASHING:

All glass shall be washed clean just before the building is turned over to the Owner.

Sec. 80-8 GLASS SHELF:

Furnish, in **each** Toilet Room, a glass shelf, same to be installed under the mirror. Glass shelf shall be approximately 8" wide by 36" long, of 1/4" clear polished plate glass, with ground edges. **Shelf** shall be supported by three (3) chrome plated brackets, same to be securely and rigidly attached to the wall. The entire installation shall meet with the approval of the Architect.

Sec. 80-9 GLASS AND GLAZING SCHEDULE:

- (a) Obscure Glass - 1/8" Smooth Rough (Mississippi or equal) -- all Basement Windows.
- (b) Existing Stained Glass Memorial Windows which are to be reused (to be removed from existing Church, stored, and reinstalled in the New Church) -- to be repaired as required to put them in a first-class condition and reinstalled in the Nave windows of the New Church Building.
- (c) Leaded glass shall be single strength Seedy Marine Antique glass (Wissmach or equal). Colors to be selected from among amber, pink, and other pale colors. Glass shall be cut into rectangular pieces, about 5" x 7" size, with lead comes. Support with metal tee bars at intervals of not more than 35". Leaded glass shall be used in new windows of the new front wall of the Church and the Tower (west wall), in the east Tower wall - 1st and 2nd floor windows, in the Narthex window (south wall of New Church Building), and in the two west wall windows in the small first floor room of the Dillon Street wing (adjacent to the Nave).
- (d) Clear double strength "B" window glass shall be used for the Tower windows in the east wall, 3rd and 4th floor levels, also in the 1st and 2nd floor windows of the Dillon Street wing (except two windows) noted in (c) above.

Sec. 80-9 GLASS AND GLAZING SCHEDULE (Cont'd):

- (e) Glass in interior doors, where called for on the Door Schedule, shall be 1/4" clear polished wire glass.
- (f) Any other glass as may be called for on the drawings, or required to complete the work.