

CIVIL DEFENSE CONTROL CENTER
for WHEELING, ILLINOIS and
Alternate Control Center for
COOK COUNTY

Addition to MUNICIPAL BUILDING
312 Dundee Road Wheeling, Ill.

from the office of

J. W. Dobbratz & Associates
designer and builders
711 N. Elmhurst Road
Mount Prospect, Illinois
Clearbrook 3-6001 5-1200

JOB NUMBER 148 4/25/58

JOB NUMBER 148 4/25/58

ALL
CONTRACTORS TO VERIFY
AND CHECK ALL DIMENSIONS,
GRADES & CONDITIONS AT JOB.....

JOB NUMBER 148 4/25/58

SUPERVISION:

The Contractor shall keep on the work during its entire progress a competent Superintendent and any necessary assistants, all satisfactory to the Owner. Such as prove unsatisfactory to the Owner, shall be promptly replaced.

The Superintendent shall represent the Contractor in the latter's absence and all directions given to him shall be as binding as if given to the Contractor. On request, all such directions will be confirmed, in writing, to the Contractor.

However, any employee of the Contractor, whom the Owner considers detrimental to the proper carrying out of the work, is to be removed promptly on the request of the Owner.

JOB NUMBER 148

4/25/58

GENERAL CONDITIONS:

Scope Of Work

The drawings and specifications are intended to include all labor, materials, transportation services, equipment and everything obviously requisite and necessary to the proper and entire furnishing of each branch or trade of the work, whether each necessary item is mentioned herein or not. Accordingly, all work is to be done under all headings in connection with the work to carry out the intent of the drawings and specifications.

All work herein specified or called for by the accompanying drawings, must be executed in accordance with all governing ordinances, laws and regulations, and shall meet all local conditions, and any changes and/or additions in work necessary to meet ordinances, laws and/or conditions, must be made without additional expense to the Owner, but such changes shall have the written approval of the Owner. It is the intention of the Owner to let separate contracts for each specified branch of the work and each Contractor shall so correlate his work so as not to conflict with or obstruct the work of other contractors working on this project.

The clauses in these General Conditions, unless otherwise specifically mentioned, are to apply to all parts of the work.

Contract Drawings

The location, general character and details of the work shall be as shown on the drawings prepared by J. W. Dobbratz & Associates. The work shall be constructed in accordance with these drawings and such detail drawings as may be furnished from time to time during the progress of the work.

Signed Drawings and Specifications

Immediately on signing the contract for the construction of the work, the Contractor shall sign and file with the Owner a complete set of drawings and specifications, including all modifications thereof, signed by him or his authorized agent, as additional evidence of his understanding of the work required.

Specifications

Titles to Divisions and paragraphs in these Contract Documents are introduced merely for convenience and shall not be taken as a correct or complete segregation of the several units of materials and labor. No responsibility, either direct or implied, is assumed by the Owner for omissions or duplications by the Contractor or his SubContractors due to real or alleged error in arrangement of matter in these Contract Documents.

Drawings and Specifications

The drawings and specifications are intended to be explanatory to each other and all work or materials shown on the drawings and not mentioned in the specifications or any work specified and not shown on the drawings, shall be furnished, performed and done by the Contractor as if the same were both mentioned in the specifications and shown on the drawings. All requests for changes in the drawings and specifications shall be made in writing, executed on the Change Order Form supplied by the Owner, signed by the Owner and Lender and submitted to the Administration for approval on any of the following;

- a. Changes in the drawings or specifications or in any work.
- b. The exercise of any option, alternate, or equivalent permitted by the Contract Documents.
- c. Correction of errors, inconsistencies, or omissions in the drawings or specifications.

Each Change Order shall be accompanied by the written consent of the Owner, including his interpretation of the Contract Documents. The Owner may disapprove any change and require compliance with the contract drawings and specifications.

Number of Working Drawings and Specifications

The designer will furnish to the General Contractor six (6) sets of blueprints on paper, also six (6) sets of specifications. The Contractors may procure additional copies of prints at the cost of production. (\$50.00)

Alterations and Additions

The designer shall have the power to require alterations in the work shown in said drawings and specifications. However, such changes shall have the written approval of the Owner and of the Civil Defense Administration.

In every such case, the price agreed to be paid for the work under the contract shall be increased or decreased, as the case may require, according to a fair and reasonable valuation of the work added or omitted, and the value of the work shall be fixed by agreement. Such alterations or variations shall in no way render void the contract, and no claim for variations or alterations, or the increased or decreased price thereof, shall be valid, unless done in pursuance of a written Change Order from the Owner specifically authorizing such alterations in the work (drawings without a written order shall not be considered as such an authority) and notice of such claims made to it in writing before the commencement of the work.

When the Owner so request, the Contractor shall submit unit prices on work to govern both additions to and deductions from the contract. These prices are to be such that they meet with the Owner approval and are to be the same for both additions and deductions.

Extras

Bills for extras will be allowed only when work is authorized by a Change Order. Any changes which involve additional cost and are furnished without written approval as to cost shall be deemed to have furnished voluntarily by the Contractor at his own expense.

Materials and Workmanship

Unless otherwise specified, all materials shall be new, and both workmanship and materials shall be of good quality. Each Contractor shall, if required, furnish satisfactory evidence as to the kind and quality of his materials and workmanship.

Should any dispute arise as to the quality or fitness of materials or workmanship, the decision shall rest strictly with the Designer and shall be based on the requirements that all work done or materials furnished shall be first-class in every respect, and what is usual or customary in erecting other buildings shall in no wise enter into any consideration or decision whatsoever.

All materials or workmanship of unsound or unfit character, or work or materials which may become damaged after they are in place in the building shall, upon proper notice, be immediately removed, reconstructed or refinished by the Contractors to the satisfaction of the Owner. The expense of such work and the cost of delays and of making good other work affected by the changes shall be borne by the SubContractor at fault. No extension of time will be allowed for the correcting of faulty work.

The work shall comply in all respects with the drawings and specifications and with all laws, ordinances and regulations of local authorities having jurisdiction. In cases of conflicting requirements the most stringent shall govern.

Where certain makes and names of products, materials, construction, etc, are mentioned in these specifications, they are for the purpose of establishing a standard. Other materials of equal quality may be used if approved in writing by the Owner; otherwise, the materials specified will be required.

Wherever in the body of the specifications, the words "or equal" occur after a manufacturer's name or trade mark, it shall be understood that any alternate or substitution proposed by the contractor, even if approved by the Owner, shall have had prior approval and acceptance by the Civil Defense Administration.

Samples to be Submitted

The Contractor shall furnish to the Owner at their office and for their approval, when requested, samples of all materials to be used in the execution of the work herein described and of the finish to be given to the several parts. All materials furnished must be fully equal to the approved samples.

Tenders

The right to accept or reject any bid or part of any bid is reserved by the Owner.

Tenders on Changes

All tenders submitted covering additions, deductions, alterations, etc, in the work under this contract, whether made by Bulletin or otherwise, shall be itemized to facilitate checking.

Shop Drawings

The Contractor shall submit, with such promptness as to cause no delay in his work or in that of any other Contractor, three (3) copies of all shop setting drawings and schedules required for the work of the various trades and the Owner shall pass upon them with reasonable promptness. The Contractor shall make any corrections required by the Designer, file with them three (3) corrected copies and furnish such other copies as may be needed. The Owner approval of such drawings or schedules shall not relieve the Contractor from responsibility for deviations from the drawings or specifications unless he has in writing called the designer's attention to such deviations at the time of submission nor shall it relieve him from responsibility for errors of any sort in shop drawings or schedules.

Inspection of work away from the Premises,

When any work is being executed away from the premises, the Owner shall be notified, in reasonable time where such work is being done and when it will be ready for inspection so that they may if they should so desire inspect the same from time to time, before delivery.

Patents

The Contractor shall forever protect and defend the Owner in the full and free use and enjoyment of any and all rights to any invention, machines or devices which may be applied as part of the work, either in the construction or use after completion, against all demands of all persons whatsoever, and shall pay all Royalties and License Fees necessary for the use and enjoyment of such invention, machines or devices.

Liability Insurance

The Contractor shall secure and protect the Owner from any liability or damage whatsoever for injury (including death) to any persons or property.

Limits for liability insurance shall be \$100,000.00 for injury to one person and \$300,000.00 for injury to more than one person.

All Contractors shall, during the continuance of the work under this contract, also extra work in connection therewith, maintain liability insurance in a sufficient amount to protect themselves from any liability or damage of injury (including death) to any of their employees and/or persons including any liability or damage which may arise by virtue of any statute or law now in force or which may hereafter be enacted.

All insurance policies are to be issued by companies authorized to do business under the law of the State of Illinois and copies of said policies are to be filed before work is started with the Owner.

Fire Insurance

The Owner and Contractor shall each protect their own interests against loss by fire. The Contractor's interests shall consist of all labor and materials which he may put into the building and for which he has not been paid, and the Owner's interest shall consist of all labor and materials in the building for which he shall have paid and to this extent only.

The Contractor shall take out his insurance in a company designated by the Owner or approved by the Owner, in writing.

Social Security and Taxes

The Contractor and all Sub-Contractors shall pay the contributions measured by the wages of their employees required by the Social Security Act and/or the Public Laws of the State and assumes and does so assume exclusive liability for said contributions. The Contractor and all Sub-Contractors shall further agree to hold harmless the Owner on account of any contributions measured by the wages as above stated, of employees of the Contractor and his Sub-Contractors, assessed against the Owner under the authority of said Act and the Public Laws of the State.

The Contractor shall make payment of all federal, state, county or municipal sales tax now in force or which may be enacted during the progress and completion of work covered in this specification.

The Contractor and all Sub-Contractors shall also be responsible for the payment of any payroll taxes or contributions for unemployment insurance or old age pensions or annuities which are measured by the wages, salaries or other remunerations paid to the employees of the Contractor.

Wages and Hours Regulation

The Contractor and all Sub-Contractors shall be held to have examined the United States of America, Department of Labor, Secretary's decision dated December 4, 1946, for wage pre-determination under Sec. 212 (a) of the National Housing Act, as amend (Act of June 3, 1939, c 175, 53 Stat. 804, 12 U.S.C. Sec. 1703) as it applies to the construction of this project. A copy of this decision is on file in the Owner Office, and the Contractor and all Sub-Contractors agree to abide by all wage Regulations contained therein, in submitting their proposals and in carrying out the work called for by this specification and the accompanying drawings, including any additions or changes thereto that may be made during the progress of work.

Before final payment is made by the Owner to the Contractor, the Contractor shall submit to the Owner satisfactory proof that he and his Sub-Contractors have complied with the above Ruling and Wage Regulations.

Contractor's Responsibility

It is not incumbent upon the Designer or Owner to notify the Contractor when to begin to cease or resume work, not to give early notice of the rejection of faulty work nor in any way to superintend so as to relieve the Contractor of responsibility or of any consequence of neglect or carelessness by him or his subordinates. All materials and labor shall be furnished at such times as shall be for the best interest of all Contractors concerned, to the end that the combined work of all may be properly and fully completed on contract time.

However, any employees of the Contractor, whom the Owner considers detrimental to the proper carrying out of the work, is to be removed promptly on the request of the Owner.

The Several Contractors shall be responsible each for his work and every part thereof, and for all materials, tools, appliances and property of every description used in connection therewith. They shall specifically and distinctly assume and do so assume all risks of damage or injury to any persons or property wherever located, resulting from any action or operation under the contract or in connection with the work and undertake and promise to protect and defend the Owner against all claims on account of any such damage or injury, to any persons or property wherever located, resulting from any action or operation under the contract or in connection with the work and undertake and promise to protect and defend the Owner against all claims on account of any such damage or injury.

The Contractor shall render all necessary assistance to the Owner and, if required shall take and furnish with levels, measurements, etc, on the work or grounds, as the case may be. He shall provide sufficient, safe and proper facilities at all times for the inspection of the work by the Owner and Architects.

Subletting of Contract

The Contractor shall not assign or sublet the whole or any part of his work without the written consent of the Owner, approving the specific party to whom it is proposed to sublet the same.

Bond

Bond may be required by the Owner or Commissioner and shall be furnished by the Contractor in amount and form as will be determined by the Owner will pay the premium for said bond.

Completion of Work

Should the Contractor become insolvent or at any time refuse or neglect to supply a sufficiency of properly skilled workmen, or of materials of proper quality or fail in any respect to prosecute the work with promptness and diligence, or fail in the performance of any of the agreements herein contained, such refusal, neglect or failure being certified by the designer, the Owner will be at liberty after 48 hours' written notice to the Contractor, to provide any such labor or materials and to deduct the cost thereof from any money due, or thereafter to become due, to the Contractor under the contract; and, if the Designer shall certify that such refusal, neglect or failure is sufficient grounds for such action, the Owner shall also be at liberty to terminate the employment of the Contractor for the said work, and enter upon the premises and take possession, for the purpose of completing the work under the contract, of all materials, tools and appliances thereon, and to employ any other person or persons to finish the work either on a fixed sum contract basis or percentage basis, or a combination of the two, whichever in the opinion of the Designer shall be advisable, and to provide the materials thereof, and in case of such discontinuance of the employment of the Contractor, the Contractor shall not be entitled to receive any further payment under the contract until the said work shall be wholly finished, at which time if the unpaid balance of the amount

to be paid under the contract shall exceed expense incurred by the Owner in finishing the work, such excess shall be paid by the Owner to the Contractor, but if such expense shall exceed the unpaid balance, the Contractor shall pay the difference to the Owner. The expense incurred by the Owner as provided herein, either for furnishing materials or for finishing the work and any damage incurred through such fault, shall be audited and certified by the Designer whose certificate thereof shall be conclusive upon the parties.

Watchman

The Owner will employ an able-bodied and competent man for watching the work at all times outside of regular working hours, until the Buildings are turned over to the Owner.

Certificates for Payment

Certificates for payment are to be issued by the Owner in accordance with the terms of the contract, and the regulations pertaining to the issuance of certificates of payment as established by the Bonding Authority.

No certificate given by the Owner or payments made under the contract nor the occupancy of the building either partial or entire by the Owner shall be conclusive evidence of the performance of the contract, either wholly or in part, and no payment shall be construed to be an acceptance of defective work or improper materials. No payment of certificates, final or otherwise, shall be construed to relieve the Contractor from his obligations to make good any defects arising or discovered in his work within one (1) year after completion and acceptance of the same nor as a waiver of any specific obligation the Contractor may assume to the durability of his work.

The Owner shall have the power to withhold certificate for payment if in their opinion the work is not being done or progressing satisfactorily, until such time as the progress or character of the work has been in their opinion made satisfactory.

Before issuing of each certificate for payment, the Contractor, shall furnish them with a sworn complete statement of the amounts due or to become due at the time of the application for the certificate in question, to any Sub-Contractors or parties supplying materials.

The Contractor shall also, when requested by the Owner furnish waivers of liens from the sub-contractors and material suppliers.

Permits, Laws and Regulations

Each Contractor shall obtain and pay for all permits required, give all legal notices and pay all fees required for the work.

He shall also comply with all Federal, State or Local Building and Sanitary laws, Ordinances and Regulations. Compliance is required with the current regulations of the National Board of Fire Underwriters wherever applicable.

Drawings and specifications for the building will be filed and general permit obtained by the Owner. All other permits required are to be obtained and with all inspection fees are to be paid for by the Contractors for the respective work requiring such permits.

Each Contractor shall immediately notify the Owner of the delivery of all permits, licenses, certificates of inspection, approval, occupancy, etc., and any other instruments required under codes or by authorities having jurisdiction, regardless of to whom issued, and shall cause them to be displayed to the inspector for verification and recordation.

Examination of Premises

Before submitting proposals for this work, each bidder will be held to have examined the premises and satisfied himself as to the existing conditions under which he will be obliged to operate in performing this part of the work or that will in any manner effect the work under this contract. No allowances shall be made subsequently in the connection, in behalf of the Contractor, for any error or negligence on his part.

Datum of Levels

The figures given in the contract and specifications or upon the drawings after the word "Elevation" or an abbreviation of it shall mean its relation to bench marks established on the site.

Each contractor shall check carefully all levels given on the drawings with existing

levels and is to call attention to discrepancies before proceeding with the work.

Measurements

All contractors furnishing equipment or material for this project shall obtain exact dimensions at the buildings. Scale or figured dimensions on the drawings and details show the correct sizes under ideal conditions, and shall not under any circumstances be so construed as to relieve the contractors of any responsibility for taking measurements at the building and furnishing material of the correct size.

Contractors Storage Facilities

Material storage will be made available by the Owner to the contractors on the site provided the request is made in ample time to the owner's representative that proper space may be provided.

Toilet Facilities

The owner will make available during the construction period suitable toilet facilities. No smoking here.....

Temporary Protection

The Owner will provide all barricades, guards, overhead protection, adjoining drives, foot walks, or other places subject to traffic in connection with the present work, and install any other protection required to properly safe-guard the Owner's property, equipment, employees and the public. The Contractors shall provide runways and ladders as may be required for the execution of their own work.

Temporary Electric

The owner will provide temporary electric service and arrange with P.S. Company for use of transformers, meters, etc., as required.

Temporary Water

It is the intention to bring in the permanent water supply to the building immediately, as shown on drawings, and each contractor shall connect to this line where directed and provide temporary piping for his convenience during building operations. The Owner will maintain and later remove this line at the completion of the building. The Owner will arrange with the Service Company for any water service required.

Delays on Account of Bad Weather or other cause.

The contractor shall take the whole responsibility of his work and, should any unforeseen difficulty arise from bad weather or from any other cause, except as otherwise provided herein, involving a greater expenditure of money than the contractor expected at the time of bidding, he must proceed with the remainder of the work and no allowance will be made for any such casualty.

Cooperation

Any work necessary on the part of one trade to expedite the work of another trade is to be done as part of the contract, without additional expense to the Owner.

Patching & Replacing Damaged Work

Each contractor will be held responsible for all damage that is caused by his work or workmen. Patching and replacing of damaged work shall be done by the Contractor who installed the work as directed by the Owner, but the cost of same shall be paid by the contractor who is responsible for the damage. In any case, damaged work must be satisfactorily repaired or replaced and it is up to the contractor to place the responsibility for the damage.

Cleaning of Premises

It shall be the duty of each Sub-Contractor or other contractor to keep the building and premises clean at all times of rubbish and debris caused by his work, and leave the building broom clean.

It will be the responsibility of the Owner to see that such sub-contractors or other contractors carry out their duty in regard to such cleaning. The Owner shall have the right to remove such accumulation and charge the cost of removal to the Contractor.

Guarantee

Each contractor shall execute and deliver to the Owner before final certificate will be issued a written guarantee covering all work under his contract. Guarantee to be for a period of one (1) year (unless a different period of time is specified under the several trade sections).

Should any defect develop during said period or periods due to improper materials, workmanship or arrangements, the same shall be made good by the Contractor without expense to the Owner. Any other work affected in making good such imperfections must also be made good.

Accident Prevention

The requirements of the "Manual of Accident Prevention in Construction" of the Associated General Contractors of America shall be complied with.

Job Number 148 4/25/58

ALL
CONTRACTORS TO VERIFY
AND CHECK ALL DIMENSIONS,
GRADES & CONDITIONS AT JOB.....

PLAIN AND REINFORCED CONCRETE

Portland cement shall conform to the Standard Specifications of the A.S.T.M., C9, latest edition. High-Early Strength Portland Cement shall conform to the Standard Specifications of A.S.T.M., C79, latest edition. All cement shall be a standard product, the name of which shall be submitted to the Owner for approval.

Reinforcing Steel & Wire shall be manufactured from newbillet steel, intermediate grade, deformed bars, in accord with the Standard Specifications of the A.S.T.M., A15, latest edition.

All bending and details of reinforcement shall be in accordance with the Standard Specifications of the American Concrete Institute, latest edition.

All forms shall be assembled and built in such a manner that their removal will not damage the concrete by breaking off the corners of the concrete members.

Where new concrete is placed against old concrete, the old surface shall be roughened or scarified, wetted and brushed with cement grout to form complete adhesion. The minimum allowable compressive strength of the concrete for the various parts of the structure, after a period of 28 days, shall be as follows, strengths being given in pounds per square inch;

All concrete shall be thoroughly protected and cured.

Covering materials shall be placed as soon as concrete has hardened sufficiently to prevent marring of surfaces and shall be secured so as to positively prevent exposure of any portion of the concrete throughout the duration of the curing period.

Exposed concrete surfaces. Immediately after removing forms, all concrete shall be inspected and any concrete work not formed as shown on the plans or out of alignment or level or showing large areas of defective surface may be considered as not conforming to the intent of this specification, in which case it shall be removed from the job by the contractor at his expense. All areas which are to be left with a concrete exposed surface, shall be finished monolithic, floated and steel troweled without topping. A drying mix of cement and sand in the proportion of one to one or of pure cement as may be required shall be used to provide a proper wearing surface.

Fill of treads of metal stairs where so specified shall have same finish as that specified for treads of poured concrete stairs.

This contractor shall do all patching of concrete either to fill voids and correct imperfections in his own work or to repair work cut by other contractors. He shall consult with other Contractors to the end that as little as possible in the way of cutting will be required for their work. All patching shall be neatly done and in such a manner to resemble as closely as possible the adjoining work.

Furnish and install concrete cap for the top of chimney of size and detail as indicated on the drawings.

This contractor shall guarantee all material and workmanship for a period of one (1) year and shall replace any defect that develops during this period from date of acceptance.

Masonry Work

The contractor shall inspect the site of the proposed work in order that he may become familiar with all of the conditions under which the work will have to be performed and no subsequent allowance shall be made by reason of his failure to determine such conditions,

A. BRICK: Shall match as near as practicable the brick in the building as to size, color and texture.

On all exposed exterior surfaces where indicated on the drawings and where face brick adjoins existing surfaces.

B. BLOCKS: Concrete, haydite or cinder.

SIZES: Standard sizes of 8"X8" X16", 4"X8"X16".

C. FLUE LINING: hard-burned fireclay products, free from large or deep cracks or other objectionable structural defects.

MORTARS: a. Mortar materials shall be accurately measured by volume and thoroughly dry mixed before water is added,

b. FOR BRICK & HOLLOW STRUCTURAL UNITS:

1 part Portland cement, 1 part lime paste and not more than 6 parts sand; or 1 part masonry cement and not more than 3 parts sand.

All brick having an absorption of 12% or more shall be wetted before laying.

All work shall be built true to line, level square and plump, in bond and properly anchored.

Finish of exposed exterior joints of brick work shall match as near as practicable that of the existing work. All exposed joints in block work shall be struck off flush with the wall surface, interior.

Masonry exposed in the finished work shall be cleaned at completion of the building of all dirt, excess mortar, plaster, and other foreign materials; all discolorations and other objectionable surface defects thoroughly removed. All surfaces shall be washed down with water, using a wire brush, and shall be made clean and dry. Where necessary to remove mortar and stain, acid shall be added to the water. After cleaning all acid shall be removed with clear water. Materials adjacent to masonry shall be properly protected against staining and other injury during the cleaning operations. Repoint present joints as may be required and caulk with mastie caulking all joints, cracks and surfaces likely to develop leaks leaving all work in a satisfactory condition and having the approval of the Owner representative.

This contractor shall guarantee the work under the specification for a period of one (1) year against defective workmanship and/or materials.

STRUCTURAL STEEL & MISCELLANEOUS METAL WORK

Provide and set all hangers, rods, bars, plates, anchors, bolts, nuts, washers, screws, brackets, rivets, welds, lugs, etc., as may be required to complete this work and to join the work of others.

The usual standard practice of coordinating and providing necessary connections and making adjustments to and for adjoining and abutting work of other trades shall obtain, receive, check, store, give receipt for, and be responsible for materials received.

This contractor shall furnish and deliver complete all materials to other trades as required in connection with the work of this Division and shall secure receipts from properly authorized persons for such items as vent grills, doors, etc.

Measurements shall be made of previously installed construction before fabrication of connecting work.

Welding shall be continuous along entire line of contact, except where tack welding is permitted. Where exposed, welds shall be ground smooth.

Riveting where exposed shall be flush unless otherwise specified or shown.

Bolting where permitted shall be done with proper size bolts. Nuts shall be drawn tight and threads upset.

Lintels shall be of sizes called for and shall have at least 8" bearing unless otherwise shown. This contractor shall guarantee all materials furnished by him, as called for in the General Conditions.

ROOFING & SHEET METAL

All built-up roofing, all flashings, roof drains, repair of present roof, adjustment to present roof after new work is in place, etc. Asphalt shall be standard roofing asphalt of Barrett, Koppers or equal make. Roof surfaces shall be smooth, firm dry and free of loose material; vents and other piping extending through roofs properly flashed and secured in position. Over this entire surface install a 3 ply built-up roof using 1 layer of 15# felt followed by 2-30# felt and finished with a layer of hot mopping.

All counter flashings, where indicated on the drawings to be of metal, shall be of the sizes and shapes shown on the building. The counter flashings shall be bent and formed to the shapes shown on the drawings and be installed with slip joints to provide for expansion and contraction and made completely watertight.

The contractor shall furnish a written warranty, stating that all work executed under this Division will be free from defects of materials and workmanship for a period of one (1) year from the date of final certificate.

STAIRWAYS:

This contractor shall furnish all labor and materials to erect all metal stair work as shown on the drawings or herein specified, or both, as follows;

Work shall include all required parts, accessories and fastenings for complete units, unless specifically shown or specified otherwise, and shall include, but not limited to the following;

All structural members, beams, channels, angles, tee bars, hangers, rods, bars, plates, bolts, anchors, brackets, rivets, screws, nuts, washers, lugs, welds, etc. as may be required to complete this work and to join to work of others. Where exposed, work to be same material and finish as adjacent work.

Do all bracing, blocking, cutting, fitting, drilling, tapping, leading, etc., as may be required to complete this work and to join to work of others.

Metals shall be free from defects impairing strength, durability, or appearance, and of best commercial qualities for purposes specified. All work shall be made of new materials.

Shall be rolled steel of moulded profile and with 1" X 1/2" channel support. Wall handrails shall be supported on wrought brackets, of design selected.

Fabrication and erection of stair work shall conform to the best practice for stair building, to the drawings and details and insofar as possible, work shall be fitted and shop assembled ready for erection.

Stair work in place shall safely sustain a live load of 100 lbs., per sq. ft. evenly distributed over its area.

Erect stairs in place as other's work progresses.

The fire escape shown on the North elevation leading from the second floor to the ground shall be furnished and installed in accordance with the data shown on the drawings.

On completion, all work shall be gone over, cleaned down and left in a complete and finished condition, satisfactory to the Owner.

This contractor shall guarantee all materials and workmanship, furnished by him, against defects or failures, for a period of one (1) year after final acceptance by the Owner.

INSULATION:

The materials shall be formed into bat or blanket type with semi-rigid qualities so as to fit against and snugly around the adjoining construction.

Material equal in conductivity rating to Johns-Manville Co.'s Ful-Thick Home Insulation, Type B.

No water-soaked or otherwisely damaged material shall be installed.

Effectively seal end joints and around all members, outlets, etc.

CARPENTRY AND MILLWORK:

This contractor shall furnish and install all rough and finished carpentry work, as shown on the drawings or herein specified, or both, and shall include application of Finish Hardware in accordance with Hardware Schedule, and all rough hardware including all nails, spikes, bolts, nuts, washers, screws, etc., as required for work of this Division.

Dimension lumber- No. 1 Common yellow Pine or No. 2 Oregon fir.

Exterior door frames- Cypress, fir or White Pine.

Exterior doors - White Pine.

Interior Doors - Flush panel, hollow core, proper blocking for hardware shall be provided; and may be; Unselected Birch

Interior trim, and miscellaneous items-White Pine.

Shelving and pin rails - No. 1 common Pine.

The carpenter Foreman shall be in charge of the layout and maintenance of all lines and levels and General control of the work. All workmanship and material shall be as shown and/or specified, and of the best quality. This contract will include a complete and finished job of carpentry even though individual items may not be shown or specified. Frames shall be constructed as per plan and proper allowance for door clearances shall be provided. Exterior doors shall be constructed as detailed and furnished open. Provide drip moulds on such doors as called for in Door schedule. Glass shall be furnished and installed as provided in division "Glass and Glazing."

Interior doors shall be furnished in size and of thickness in accordance with "Door and Opening Schedule" on plan. Move and reset existing metal door frames, as required. Furnish and install window trim, stools and apron of size shown in all rooms and areas having plasterboard walls. Adjust all sash and leave all windows in a workable condition. This contractor shall furnish and install all nailing blocks and wood inserts of every character required for the work of other contractors and the attachment of work specified herein;

This contractor shall receive, check give receipt for, store and responsible for all Finish Hardware received. All hardware as specified in the "Hardware Schedule" shall be installed under the requirements of this Division and on completion all moving parts shall be gone over, cleaned, adjusted to work smoothly and efficiently, refinished where necessary and be left in a complete and finished condition, satisfactory to the Owner.

This contractor shall furnish all material and labor to install, erect, and complete such items as the Mail Box in the Vestibule, including the setting of metal door, frame and hardware, the linen closet, framework, grounds, etc. for the Modernfold doors, access panels, frames and doors other than the metal frames installation of the cabinets, etc. etc.

This contractor shall use all materials now available on the site and shall reuse all materials now in place where practicable. Such materials as may be necessary to complete the project in accordance with the drawings and specifications shall be purchased by the contractor. Any materials, old and new, left over after the job is completed, shall become the property of the Owner and will be disposed of as he may elect.

It shall be the responsibility of this Contractor to inspect, check and recondition existing work, as applied to this Division, such as Doors, windows to see that such items work freely and are in satisfactory condition, having the approval of the Owner's representative.

All work under this Division shall be guaranteed against defective workmanship and material for a period of one (1) year from the date of acceptance. Contractor shall replace all defective work at his own expense.

KITCHEN CABINET WORK:

This contractor shall furnish and install all cabinet work as shown on the drawings or herein specified or both, and shall include all cabinets complete, with wall and base units, etc., as follows;

a. Kitchen wood cabinets and Formica tops.

This contractor shall have the sole responsibility for the complete handling of this installation and shall receive, store and erect all units.

Insofar as possible, all units shall be stock sizes. Identifying numbers of the units shown on the drawings are taken from the catalog of IXL Products Corporation to show the type, style and arrangement of the cabinets.

Cabinets of other manufacturers furnishing similar equipment and meeting these requirements will be acceptable, as selected by the Owner.

At the completion of the work of this Division all parts of the units shall be gone over, with moving parts made to work evenly, smoothly and efficiently.

"MODERNFOLD" DOORS:

All materials as applied to this Division shall be furnished by the New Castle Products Company of New Castle, Ind., or equal and shall be of the "Standard" quality in sizes and style of the Shelton and Winton design.

Color of Fabric shall be as selected in the "Standard" group.

When directed, carefully clean all work in this Division, and while doing so repair all incomplete or damaged work, removing all traces of dust accumulation and leave the work in perfect condition.

ENTRANCE DOORS:

Main entrance to office building.

Hardware- butts, locks, closer, door opener, panic device, etc.

Submit shop drawings in accordance with requirements of the General Conditions.

Furnish and install coverings for Marquee at main entrance to office to be constructed of polished aluminum in .062 gauge metal of shape, size and construction as indicated on plan sheet which includes fascia, roof, soffit, flashing, downspout and bar hangers. Structural steel or wood frame will be installed by others. The usual standard practice of coordinating and providing necessary connections and making adjustments to and for adjoining and abutting work of other trades shall obtain, and this contractor shall have the sole responsibility for the complete handling of this installation and shall receive, store and erect all work. All work shall be cleaned down, refinished where necessary, and left in a complete and finished condition satisfactory to the Owner.

GLASS AND GLAZING:

This Division includes labor, materials, accessories, appliances and services required for furnishing, delivering and setting glass as shown on drawings, or herein specified, or both and including the following:

Main entrance and First floor, second floor etc. All glass where glass is specified to be used and where so indicated on the drawings shall be clear window glass, TYPE B, Double Strength,, "A" Quality.

Putty or glazing compound for openings shall be of commercial grade or quality.

Glass in entrance doors and steel windows shall be installed in accordance with the recommendations of the manufacturer of these items.

Glass not otherwise specified shall be both back-puttied and face-puttied. No putty shall be applied for setting glass until rabbets for glazing and glazing beads have been primed and painted, as specified under other headings. Sash shall be fixed in place so that they cannot be moved until putty has set.

Sizes of glass indicated on drawings are approximate. Sizes for glass shall be taken from actual frames. Labels shall remain on glass until after inspection. Upon completion, broken or imperfect glass shall be removed and replaced. See Article 31 of the supplemental General Conditions.

VINYL TILE:

This contractor shall furnish all labor and materials required to complete all vinyl tile flooring, as shown on the drawings and as herein specified as follows:

A. Vinyl tile.

Tile shall be 9" X 9" x 1/8" with 50% group "B" and 50% group "C".

Material as manufactured by Johns-Manville Co., David E. Kennedy, Inc., Thomas Moulding Floor Mfrg. Co., or approved equal, will be acceptable.

B. Metal Edging.

Shall be similar to "Chromedge" No. 31 as manufactured by the B*T Metals Co., of Columbus, Ohio or equal and shall be made of all aluminum alloy and with a bright finish. In the two (2) public toilet rooms, second floor, install J*M Company's "Terraflex."

Tile will not be required on stair treads nor intermediate landings.

The usual standard practice of coordinating and providing necessary connections and making adjustments to and for adjoining and abutting work of other trades shall obtain and this contract will include a complete and finished installation. Where required, such areas shall be protected by strips of building paper and this contractor shall be responsible for the floors until accepted by the Owner. This contractor shall furnish a written warranty, stating that all work executed under this Division will be free from defects of materials and workmanship for a period of one (1) year from date of final certificate.

PAINTING AND DECORATING:

This contractor shall furnish all labor, materials, scaffolds, ladders, drop cloths, brushes and small tools necessary to complete all painting and decorating, as shown on the drawings and including, but not limited to, the following;

Work to be included in this Division; All exposed structural and miscellaneous iron and steel.

Wood doors, frame and trim and all exposed metal requiring paint and not prefinished or having a finished surface.

All surfaces-walls and ceilings.

All exposed electrical conduit, piping, boxes, etc., except those items intended to be prefinished.

All exposed concrete, brick and block surfaces of rooms and spaces in the Basement.

All exposed plumbing pipes, covered and exposed.

All exposed heating radiators and pipes, covered and exposed.

All exposed surfaces common and usual to paint, as one color.

Work to be excluded from this Division;

Wood lockers in the basement;

All stainless steel, bronze, chrome and aluminum surfaces.

Galvanized pipe railings- interior and exterior.

All materials such as lead, oil, ready mixed paints, pigments for tinting, driers, turpentine, shellac, varnish, bleaches, putty, sparkle, etc. shall be products of the Pittsburgh Plate Glass Company, or the Pratt and Lambert Company. Each product shall be delivered to the job in sealed containers and shall be applied in strict accordance to the manufacturer's instructions. If the products of other Companies are proposed for use, such materials shall be approved by the Owner's representative. Surfaces to be painted shall be clean, dry, smooth and free from grease, dust or rust. Sufficient time shall be allowed between coats to insure drying and all work shall be done in a workmanship manner, having finished surface free from runs, sags, etc. Exposed metal surfaces of the stairways shall receive in addition to the shop coat, one (1) coat of floor enamel in color as selected.

All interior trim, shelving, etc., shall receive a prime coat of Pratt and Lambert Company's or equal, "Double Duty" pigmented primer, followed with a finish coat having an egg shell finish. Toilet room doors shall have a high gloss finish. Kitchen cabinets will be prefinished as provided in Division "Kitchen Cabinet Work". "Modernfold" doors and accessories will not require paint.

All hardwood doors shall be finished using the Pittsburgh Paint Company's "Interior Trim Varnish" finish, as designed for the grain of the wood doors as purchased for this project.

Five different colors shall be used throughout the job used in combinations as directed by the Owner.

Concrete, block, brick and cement surfaces with exception of floors and stairs treads, shall receive two (2) coats of standard caseine flat paint. Remove all electrical plates, surface hardware and similar items before painting walls, etc. Protect and replace such items when painting is completed.

Paint materials shall be stored only in such rooms as may be assigned for the purpose by the Owner, and precautions shall be taken to prevent fire. Iron pans of suitable size shall be provided, in which mixing pails shall be placed during mixing operations. Rags, waste, etc., soiled with paint or oil, shall at the end of each day's work be stored in metal containers with metal covers. In addition to the work shown under general conditions, this contractor shall upon completion remove all paint where it has been spilled, splashed, or spattered on surfaces including fixtures, glass, fittings, etc. and leave all in a clean, finished and completed condition.

CAULKING:

THIS contractor shall furnish all labor, equipment and materials necessary and as may be required to install all caulking where indicated on the drawings and as herein specified, as follow;

In the new work where caulking is called for on the drawings and in the oil work not already caulked, completely seal with caulking compound joints around all frames of doors and windows and other openings in the masonry openings on the weather side, and other joints, where wood or metal adjoins masonry.

Caulking compound shall be gun grade, gray in color, and as manufactured by the L. Sonneborn Sons Co., Pecora Paint Co., Inc. Minwax Co. Inc., or approved equal. Caulking shall be one before final coat of paint is applied to exterior surface of wood and metal adjoining masonry. Proper size nozzle shall be used and any excess compound shall be removed leaving a smooth weathertight surface.

The workmanship shall be of the best, shall be executed by skilled mechanics, and this contract calls for a complete and finished job.

FINISH HARDWARE:

The work to be performed under this Division shall consist of furnishing all materials, delivered to the site, to complete all items connected with the Finish Hardware, shown on the drawings, or herein specified, or both and shall include but not limited to the schedule as enumerated below.

This contractor shall furnish and deliver complete all materials, templates, gauges, itemized schedules, etc. to other trades as required in connection with the work of this Division, as herein specified, as follows:

(Secure receipts from properly authorized persons)

Metals shall be free from defects impairing strength, durability, or appearance of best commercial quality for purposes specified. All metal shall be made of new materials, Hardware referred to have been taken from catalogs of Yale & Towne Mfg. Co., Schlage Lock Co., or the Stanley Works, and are intended to establish a standard of quality which must be strictly adhered to. If any substitution is contemplated, approval must be obtained from the Owner before material is purchased. Should items of hardware not definitely specified be required for completion of the work furnish such items of type and quality suitable to the service required and comparable to the adjacent hardware. See plan for door schedule. Provide a complete hardware schedule in three (3) copies setting out in detail each item of hardware for each opening. Hardware shall be delivered in packages and numbered to correspond with the opening number as indicated on the drawings.

Additional data may be necessary to identify the items that they may be applied in opening for which the items is intended.

The finish hardware shall be installed by the Carpenter and the cost thereof shall be included in the General Contract figure.

This contractor shall guarantee all material as furnished under this Division against defective workmanship and material for a period of one (1) year from date of acceptance. The contractor shall replace all defective materials at his own expense.

MAIL BOXES:

This contractor shall furnish all materials for a complete combination vestibule mail box as shown on the drawings or herein specified, or both as follows;

Furnish 6 government approved, tilting mailboxes.

Expose face of the assembly shall be finished in alumulited aluminum.

Mail boxes and accessories to be located in the Vestibule shall be installed by the Carpenter Millwork Contractor.

This contractor shall guarantee this work against defective workmanship and/or material for a period of one (1) year from date of acceptance.

MEDICINE CABINETS:

This contractor shall furnish and deliver complete all materials to other trades as required in connection with the work of this Division, as herein specified.

Doors shall be made of similar material, finished to match the box and secured to same with stainless steel concealed hinge and combination door stop. Provide bullet type door catch with stainless steel strike and keeper. Frame for securing mirror shall be polished stainless steel.

Wall openings shall be 14" X 24" X 3-5/8".

MIRROR shall be 3/16" crystal plate glass, 16" X 26" .

Provide bulb edged glass shelves, two for each cabinet.

At the completion of the work of this Division, the contractor shall go over all his work, clean and polish, adjusting movable parts, make good any losses or damaged work, refinishing where necessary and leaving all in first class condition.

WEATHERSTRIPPING:

This contractor shall furnish all labor, material and services necessary to complete all weatherstripping work, work, as shown on the drawings or herein specified, or both as follows;

Equipment furnished by the Chamberlain Company of America, Monarch Metal Weatherstrip Corp., & Accurate Metal Weatherstrip Company, are acceptable, and materials of other manufacturers meeting these requirements and having the approval of the Owner will receive consideration.

All weatherstripping shall be applied in strict accordance with the recommendations of the manufacturer.

The workmanship shall be of the best, shall be executed by skilled mechanics, and this contract will include a complete and finished job, even though individual items may not be shown or specified.

All work under this Division shall be guaranteed against defective workmanship and material for a period of one (1) year from date of acceptance. The Contractor shall replace all defective work at his own expense.

JOB NUMBER 148 4/25/58

The work to be performed under this Division shall consist of furnishing all labor, materials, scaffolding, equipment, accessories, etc., necessary to clean the exterior of the building in accordance with the specifications, as follows; All face brick facing shall be cleaned using muriatic acid or a caustic soda solvent as may be required, and thoroughly washed with water wash. This Contractor shall guarantee his work against failure due to faulty materials or workmanship, for a period of one (1) year after final acceptance by the Owner.

MISCELLANEOUS:

Sliding pole; as located second floor in hall B., F. N. McIntire Boston, Mass. automatic shutter-guard rail- cage, complete as per Mfg. installation data.

Flag pole; 50 feet 5 feet setting depth 3 1/4" outside top, 6 5/8" butt, 8" ball, steel, Owner selected location.

Cell Block: Stewart Iron Works Co., Cincinnati 1, Ohio for facilities and engineering this job as per drawing. (or as equal Mfg.)

Wheeling Fire Dept. shall move the Siren to new location, hook-up and service.

JOB NUMBER 148 4/25/58

ALL
PIPE TRADES TO VERIFY AND
CHECK ALL DIMENSIONS, &
CONDITIONS AT JOB.

JOB NUMBER 148

4/25/58

HEATING

This contractor shall furnish all labor and materials required to complete all heating, as Job conditions show or are found checked out at this job.

Heating system of sufficient SIZE to properly heat all parts of the building in coldest weather (-20 degs). This shall be installed according to the code of the National Society of Heating and Ventilating Engineers. Engineer heat layout as per room this job, first and second floors. All of this shall be properly connected or revamped to Old work of the existing heating system. Test out all existing work under this division, furnace, tanks, pipes, etc. All units of heating this building NOW shall be tested and all unsatisfactory units or working parts reported at ONCE to the Owner.

This contractor shall furnish a written warranty, stating that all work executed under this division will be free from defects of materials and workmanship for a period of one (1) year from date of final certificate.

The above Contractor shall further agree that he will at his own expense repair and replace all such defective work which becomes defective during the term of the guarantee-warranty. This guarantee-warranty will not apply to defects and work by or acts of others.

PLUMBING

This contractor shall furnish all labor and materials required to complete all plumbing, as shown on the drawings and so checked out at the JOB.

Fixtures as per Plan, all of this shall be properly installed and all New work properly connected to Old or existing work, thoroughly tested. All installed and tested according to local ordinance. Hot and cold water connections shall be made as a complete job, old to new, or new to old. Test out water line to main and all sewer connections to the Street. Test out all existing work under this division, water, sewer, gas and etc. Have all meters checked by the proper authorities. ALL UNSATISFACTORY meters or old existing work shall be reported at ONCE to the Owner.

This Contractor shall furnish a written warranty, stating that all work executed under this division will be free from defects of materials and workmanship for a period of one (1) year from date of final certificate.

The above Contractor shall further agree that he will at his own expense repair and replace all such defective work which becomes defective during the term of the guarantee-warranty. This guarantee-warranty will not apply to defects and work by or acts of others.

ELECTRIC

This contractor shall furnish all labor and materials required to complete all electrical, as shown on the drawings and so checked out at the JOB.

Fixtures as per plan, all of this shall be properly installed and all New work properly connected to revamped Old or existing Work., thoroughly tested. All installed and tested according to local ordinance. Test out all existing work under this division, service, meters, panel, outlets, fixtures, etc. Have all meters checked by the proper authorities. ALL UNSATISFACTORY meters or old existing work shall be reported at ONCE to the Owner.

This contractor shall furnish a written warranty, stating that all work executed under this division will be free from defects of materials and workmanship for a period of one (1) year from date of final certificate.

The above Contractor shall further agree that he will at his own expense re pair and replace all such defective work which becomes defective during the term of the guarantee-warranty. This guarantee-warranty will not apply to defects and work by or acts of others.