

### Request for Bid

328 S. Lafayette

Rental Rehabilitation Project

Due: Tuesday, February 14, 2023, at 2:00 pm

### 328 LAFAYETTE STREET, GREENVILLE, MI 48838

### **BID AND CONTRACT DOCUMENTS**

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### ARCHITECTURAL SITE PLAN

### **INVITATION FOR BIDS**

The City of Greenville will receive sealed bids for creating 5 new apartments and common areas at 328 S. Lafayette Street, Greenville, MI 48838, at **2 P.M. Eastern Time, on February 14, 2023**, at Greenville City Hall at which time and place the bids will be publicly opened and read aloud.

Bids are invited upon the several items and quantities of work by a single prime contractor as a lump sum contact as follows:

Item 1: Apartment and Common Area renovations as indicated in the Drawings – General Trades.

Item 2: Apartment and Common Area renovations as indicated in the Drawings –Mechanical (Plumbing and Heating/Ventilation/Air Conditioning (HVAC), etc).

Item 3: Apartment and Common Area renovations as delegated design/installation – Fire Suppression.

Item 4. Apartment and Common Area renovations as indicated in the Drawings – Electrical.

Bid Documents are on file at the City of Greenville at 411 S. Lafayette Street or online at <a href="www.greenvillemi.org">www.greenvillemi.org</a>. Construction Documents can be ordered from Plan Room Builders Exchange GR - <a href="projects@grbx.com">projects@grbx.com</a>, or Builders Exchange of Lansing - <a href="bids@bxlansing.com">bids@bxlansing.com</a>, or by contacting AIA P.L.C. at <a href="RogerAIA@comcast.net">RogerAIA@comcast.net</a>.

A certified check or bank draft, payable to the order of the City of Greenville, negotiable U.S. Government bonds (at par value) or a satisfactory Bid Bond executed by the Bidder and an acceptable surety in an amount equal to five percent (5%) of the total Bid shall be submitted with each Bid.

Attention is called to the fact that not less than the minimum salaries and wages as set forth in the Contract Documents must be paid on this project, and that the Contractor must ensure that employees and applicants for employment are not discriminated against because of their race, color, religion, sex, or national origin.

The City of Greenville reserves the right to reject any or all Bids or to waive any informality in the bidding.

Bids may be held by the City of Greenville for a period not to exceed 30 days from the date of the opening of Bids for the purpose of reviewing the Bids and investigating the qualifications of Bidders, prior to awarding of the Contract.

A firm fixed-price contract award will be made in writing to the lowest responsive and responsible bidder.

Date: January 6, 2023, City of Greenville.

By: Heather Feazel

Title: Assistant City Manager

### **INSTRUCTIONS TO BIDDERS**

#### 1. USE OF SEPARATE BID FORMS

These Contract Documents include a complete set of bidding and contract forms which are for the convenience of Bidders and are not to be detached from the Contract Document, filled out, or executed. Separate copies of Bid Forms are furnished for that purpose.

### 2. INTERPRETATIONS OF ADDENDA

No oral interpretation will be made to any Bidder as to the meaning of the Contract Documents or any part thereof. Every request for such an interpretation shall be made in writing to the City of Greenville. Any inquiry received seven or more days prior to the date fixed for opening the Bids will be given consideration. Every interpretation made to a Bidder will be in the form of an Addendum to the Contract Documents, and when issued, will be on file in the office of the City of Greenville. In addition, all Addenda will be mailed to each person holding Contract Documents, but it shall be the Bidder's responsibility to make inquiry as to the Addenda issued. All such Addenda shall become part of the Contract and all Bidders shall be bound by such Addenda, whether or not received by the Bidders.

### 3. INSPECTION OF SITE

Each Bidder should visit the site of the proposed work and fully acquaint himself with the existing conditions there relating to construction and labor, and should fully inform himself as to the facilities involved, the difficulties and restrictions at tending the performance of the Contract. The Bidder should thoroughly examine and familiarize himself with the Drawings, Technical Specifications, and all other Contract Documents. The Contractor by the execution of the Contract shall in no way be relieved of any obligation under it due to his failure to receive or examine any form or legal instrument or to visit the site and acquaint himself with the conditions there existing and the City of Greenville will be justified in rejecting any claim based on facts for which he should have been on notice as a result thereof.

### 4. ALTERNATIVE BIDS

No alternative bids will be considered unless alternative bids are specifically requested by the technical specifications.

#### 5. BIDS

- (a) All Bids must be submitted on forms supplied by the City of Greenville and shall be subject to all requirements of the Contract Documents, including the Drawings, and these INSTRUCTIONS TO BIDDERS. All Bids must be regular in every respect and no interlineations, excisions or special conditions shall be made or included in the Bid Form by the Bidder.
- (b) Bid Documents including the Bid, the Bid Guaranty, the Non-Collusion Affidavit, the Certification of Bidder Regarding Equal Employment Opportunity, the Certification of Bidder Regarding Section 3, and the Statement of Bidder's Qualifications (if requested) shall be enclosed in envelopes (outer and inner), both of which shall be sealed and clearly labeled with the words "328 S. Lafayette Bid Documents", project number, name of Bidder, and date and time of bid opening in order to guard against premature opening of the Bid.

- (c) The City of Greenville may consider as irregular any Bid on which there is an alteration of or departure from the Bid Form hereto attached and at its option may reject the same.
- (d) If the Contract is awarded, it will be awarded by the City of Greenville to a responsible Bidder on the basis of the lowest Bid and the selected Alternative Bid items, if any. The Contract will require the completion of the work according to the Contract Documents.
- (e) Each Bidder shall include in his Bid the following information:

### **Principals**

Names

Home Addresses (City, State, Zip Code and Telephone Numbers)

### Firm

Name

Federal Employment Identification Number Address (City, State and Zip Code and Telephone Numbers)

### **6.** BID GUARANTY

- (a) The Bid must be accompanied by a Bid guaranty which shall not be less than five percent (5%) of the amount of the Bid. At the option of the Bidder, the guaranty may be a certified check, bank draft, negotiable U.S. Government Bonds (at par value), or a Bid bond in the form attached. The Bid bond shall be secured by a guaranty, or a surety company listed in the latest issue of U.S. Treasury Circular 570. The amount of such Bid bond shall be within the maximum amount specified for such Company in said Circular 570. No Bid will be considered unless it is accompanied by the required guaranty. Certified check or bank draft must be made payable to the order of City of Greenville. Cash deposits will not be accepted. The Bid guaranty shall insure the execution of the Agreement and the furnishings of the surety bond or bonds by the successful Bidder, all as required by the Contract Documents.
- (b) Revised Bids submitted before the opening of Bids, if representing an increase in excess of two percent (2%) of the original Bid, must have the Bid guaranty adjusted accordingly; otherwise the Bid will not be considered.
- (c) Certified checks or bank drafts, or the amount thereof, Bid bonds, and negotiable U.S. Government bonds of unsuccessful Bidders will be returned as soon as practical after the opening of the Bids.

#### 7. COLLUSIVE AGREEMENTS

- (a) Each Bidder submitting a Bid to the City of Greenville for any portion of the work contemplated by the documents on which bidding is based shall execute and attach thereto, an affidavit substantially in the form herein provided, to the effect that he has not entered into a collusive agreement with any other person, firm, or corporation in regard to any Bid submitted.
- (b) Before executing any subcontract the successful Bidder shall submit the name of any proposed subcontractor for prior approval and an affidavit substantially in the form attached.

### 8. STATEMENT OF BIDDER'S QUALIFICATIONS

Each Bidder shall upon request of the City of Greenville submit on the form furnished for that purpose (a copy of which is included in the Contract Documents), a statement of the Bidder's qualifications, his experience record in constructing the type of improvements embraced in the contract, his organization and equipment available for the work contemplated, and, when specifically requested by the City of Greenville, a detailed financial statement. The City of Greenville shall have the right to take such steps as it deems necessary to determine the ability of the Bidder to perform his obligations under the Contract and the Bidder shall furnish the City of Greenville all such information and data for this purpose as it may request. The right is reserved to reject any Bid where an investigation of the available evidence or information does not satisfy the City of Greenville that the Bidder is qualified to carry out properly the terms of the Contract.

#### 9. UNIT PRICES

No Unit Prices are being considered under this Bid.

### 10. CORRECTIONS

Erasures or other changes in the Bids must be explained or noted over the signature of the Bidder.

### 11. TIME FOR RECEIVING BIDS

(a) Bids received prior to the advertised hour of opening will be securely kept sealed. The officer whose duty it is to open them will decide when the specified time has arrived. No Bid received thereafter will be considered, except when a Bid arrives by United States mail after the time fixed for opening, but before the reading of all other Bids is completed, and it is shown to the satisfaction of the City of Greenville that the non-arrival on time was due solely to delay in the mails for which the Bidder was not responsible, such Bid will be received and considered.

### **12.** OPENING OF BIDS

At the time and place fixed for the opening of Bids, the City of Greenville will cause to be opened and publicly read aloud every Bid received within the time set for receiving Bids, irrespective of any irregularities therein. Bidders and other persons properly interested may be present, in person or by representative.

### 13. WITHDRAWAL OF BIDS

Bids may be withdrawn on written or telegraphic request dispatched by the Bidder in time for delivery in the normal course of business to the time fixed for opening; provided that written confirmation of any telegraphic withdrawal over the signature of the Bidder is placed in the mail and postmarked prior to the time set for Bid opening. The Bid guaranty of any Bidder withdrawing his Bid in accordance with the foregoing conditions will be returned promptly.

### 14. AWARD OF CONTRACT: REJECTION OF BIDS

(a) The Contract will be awarded to the responsible Bidder submitting the lowest Bid complying with the conditions of the Invitation for Bids. The Bidder to whom the award is made will be notified at the earliest possible date. The City of Greenville, however, reserves the right to reject any and all Bids and to waive any informality in Bids received whenever such rejection or waiver is in its interest.

(b) The City of Greenville reserves the right to consider as unqualified to do the work of general construction any Bidder who does not habitually perform with his own forces the major portions of the work involved in construction of the Improvements embraced in this Contract.

### 15. EXECUTION OF AGREEMENT: PERFORMANCE AND PAYMENT BOND

- (a) Subsequent to the award and within ten (10) days after the prescribed forms are presented for signature, the successful Bidder shall execute and deliver to the City of Greenville an Agreement in the form included in the Contract Documents in such number of copies as the City of Greenville may require.
- (b) Having satisfied all conditions of award as set forth elsewhere in these documents, the successful Bidder shall, within the period specified in paragraph "a" above, furnish a surety bond in a penal sum not less than the amount of the Contract as awarded, as security for the faithful performance of the Contract, and for the payment of all persons, firms or corporations to whom the Contractor may become legally indebted for labor, materials, tools, equipment, or services of any nature including utility and transportation services, employed or used by him in performing the work. Such bond shall be in the same form as that included in the Contract Documents and shall bear the same date as, or a date subsequent to that of the Agreement. The current power of attorney for the person who signs for any surety company shall be attached to such bond. This bond shall be signed by a guaranty or Surety Company listed in the latest issue of the U.S. Treasury Circular 570 and the penal sum shall be within the maximum specified for such company in said Circular 570. If applicable State laws require separate bonds as security (1) for the faithful performance of the Contract and (2) for the payment of all services, labor, and materials, paragraph "b" above must be revised in accordance with the statutory requirements of the particular State. These bonds shall be signed by a guaranty or surety company listed in the latest of the U.S. Treasury Circular 570 and the total penal sum shall be within the maximum specified for such company in said Circular 570.
- (c) The failure of the successful Bidder to execute such Agreement and to supply the required bond or bonds within ten days after the prescribed forms are presented for signature, or within such extended period as the City of Greenville may grant, based upon reasons determined sufficient by the City of Greenville, shall constitute a default, and the City of Greenville may either award the Contract to the next lowest responsible Bidder or readvertise for Bids, and may charge against the Bidder the difference between the amount of the Bid and the amount for which a Contract for the work is subsequently executed, irrespective of whether the amount thus due exceeds the amount of the Bid Bond. If a more favorable Bid is received by readvertising, the defaulting Bidder shall have no claim against the City of Greenville for a refund.

#### **16. WAGES AND SALARIES**

Attention of Bidders is particularly called to the requirements concerning the payment of not less than the salary rates specified in the Contract Documents and the conditions of employment under the General Specifications General Provisions Part II.

### 17. EQUAL EMPLOYMENT OPPORTUNITY

Attention of Bidders is particularly called to the requirement for ensuring that employees and applicants for employment are not discriminated against because of their race, color, religion, sex or national origin. (See Section 134 hereof.)

### **BID FOR LUMP SUM CONTRACT**

STIPULATED SUM (SINGLE-PRIME CONTRACT)

1.1	BID INFORMATION			
A.	Bidder:			
B.	Project Name:	VanHouse Properties, LLC - Residential Rehabilitation		
C.	Project Location:	328 S. Lafayette Street, Greenville, MI 48838		
D.	Owner: VanHo	oose Properties LLC		
E.	Architect: Roger	L. Donaldson, AIA P.L.C.		
F.	Architect Project N	Number 20-45		
1.2	CERTIFICATIONS	AND BASE BID		
A.	the Procurement Specifications, and P.L.C., and Archite and requirement services, including	rime (All Trades) Contract: The undersigned Bidder, having carefully examined and Contracting Requirements, Conditions of the Contract, Drawings dall subsequent Addenda, as prepared by architect Roger L. Donaldson, Alfect's consultants, having visited the site, and being familiar with all conditions to of the Work, hereby agrees to furnish all material, labor, equipment and gall scheduled allowances, necessary to complete the construction of the above cording to the requirements of the Procurement and Contracting Documents sum of:		
		Dollars (\$).		
1.3	BID GUARANTEE			
A.	The undersigned Bidder agrees to execute a contract for this Work in the above amount and to furnish surety as specified within ten (10) days after a written Notice of Award, if offered within sixty (60) days after receipt of bids, and on failure to do so agrees to forfeit to Owner the attached cash, cashier's check, certified check, U.S. money order, or bid bond, as liquidated damages for such failure, in the following amount constituting five percent (5%) of the Base Bid amount above.			
В.		er does not offer Notice of Award within the time limits stated above, Owner wil ersigned the cash, cashier's check, certified check, U.S. money order, or bid bond.		
1.4	SCHEDULE OF VA	LUES		

A.

Bidders shall provide a Schedule of Values, showing the rates of each trade category.

### 1.5 SUBCONTRACTORS AND SUPPLIERS

A. Within forty-eight (48) hours of notification all low bidders shall submit to the Architect a complete list of subcontractors, suppliers, and manufacturers furnishing and/or installing materials and products (including those who are to furnish materials or equipment fabricated to a special design) specified on this project. The list shall be complete with name of subcontractor or supplier, contact name, addresses, city, state, zip code, telephone, and email address. List of subcontractors is subject to Architect's and Owner's review and acceptance.

### 1.6 TIME OF COMPLETION

A. The undersigned Bidder proposed and agrees hereby to commence the Work of the Contract Documents on a date specified in a written Notice to Proceed to be issued by the Architect, and shall fully complete the work within 275 calendar days unless otherwise agreed upon.

### 1.7 ACKNOWLEDGEMENT OF ADDENDA

A. The undersigned Bidder acknowledges receipt of and use of the following Addenda in the preparation of this Bid:

1.	Addendum No. 1, dated _	
2.	Addendum No. 2, dated _	
3	Addendum No 3 dated	

### 1.8 BID SUPPLEMENTS

A. The following supplements are a part of this Bid Form and are attached hereto.

#### 1.9 CONTRACTOR'S LICENSE

A. The undersigned further states that it is a duly licensed contractor, for the type of work proposed, in Greenville, Michigan, and that all fees, permits, etc., pursuant to submitting this proposal have been paid in full.

	SUBMISSION OF BID	1.10
day of, 202	Respectfully submitted this	A.
(Name of bidding firm or corporation	Submitted By:	B.
(Handwritten signature)	Authorized Signature:	C.
(Type or print name)	Signed By:	D.
(Owner/Partner/President/Vice President)	Title:	E.
(Handwritten signature).	Witnessed By:	F.
(Handwritten signature).	Attest:	G.
(Type or print name)	By:	Н.
(Corporate Secretary or Assistant Secretary).	Title:	I.
	Street Address:	J.
	City, State, Zip:	K.
	Phone:	L.
	License No.:	M.
(Affix Corporate Seal Here).	Federal ID No.:	N.

### U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

## CERTIFICATION OF BIDDER REGARDING EQUAL EMPLOYMENT OPPORTUNITY

#### **INSTRUCTIONS**

This certification is required pursuant to Executive Order 11246 (30 F.R. 12319-25). The implementing rules and regulations provide that any bidder or prospective contractor, or any of their proposed subcontractors, shall state as an initial part of the bid or negotiations of the contract whether it has participated in any previous contract or subcontract subject to the equal opportunity clause; and, if so, whether it has filed all compliance reports due under applicable instructions.

Where the certification indicates that the bidder has not filed a compliance report due under applicable instructions, such bidder shall be required to submit a compliance report within seven (7) days after bid opening. No contract shall be awarded unless such report is submitted.

			CERTIFICATION BY BIDDER
_			NAME AND ADDRESS OF BIDDER (Include ZIP Code)
1.	Bio	dder has p	articipated in a previous contract or subcontract subject to the Equal Opportunity Clause.
2.	Co ? Yes	mpliance i	reports were required to be filed in connection with such contract or subcontract.
3.	Bio ?? Yes	dder has fi 2 No	led all compliance reports due under applicable instructions.
4.		amended?  No	er been or are you being considered for sanction due to violation of Executive Order 11246,
			NAME AND TITLE OF SIGNER (Please type)
S	IGNATU	IRE	DATE
Re	places F	orm HUD-	1238.CD-1, which is obsolete.  HUD-950.1(11-78)

### **NONCOLLUSION AFFIDAVIT OF PRIME BIDDER**

State	of	)	
Count	y of	) ss.	
		_, being first duly sworn	, deposes and says that:
1.	He is	of	, the Bidder that has submitted the attached Bid;
2.		formed respecting the person of the person o	preparation and contents of the attached Bid and of all pertinent
3.	Such Bid is go	enuine and is not a collus	sive or sham Bid;
4.	parties in int or indirectly the Contract such Contrac communicati attached Bid Bid price of	erest, including this affia with any other Bidder, fifor which the attached Bict, or has in any mann on or conference with a or of any other Bidder, or to sany advantage against the with a gradient of the sanger	s officers, partners, owners, agents, representatives, employees or nt, has in any way colluded, conspired, connived or agreed, directly arm or person to submit a collusive or sham Bid in connection with id has been submitted or to refrain from bidding in connection with the directly or indirectly, sought by agreement or collusion or any other Bidder, firm or person to fix the price or prices in the or to fix any overhead, profit or cost element of the Bid price or the secure through any collusion, conspiracy, connivance or unlawful the City of Greenville or any person interested in the proposed
5.	conspiracy,	connivance or unlawfu	ached Bid are fair and proper and are not tainted by any collusion l agreement on the part of the Bidder or any of its agents or parties in interest, including this affiant.
		(Sign	ned)
	ribed and swor day of		(Name & Title)
	(Notary Public)		
Му сс	mmission expi	res	

### **BID BOND**

KNOW ALL MEN BY THES	<b>SE PRESENTS</b> , that we the u	ndersigned,		as PRINCIPAL, AND
	, as SURETY are held and	firmly bound unto		hereinafter
called the City of Greenvill	le in the penal sum of			
Dollars, (\$	), lawful moi	ney of the United Stat	es, for the payı	nent of which sum well
and truly to be made, we	bind ourselves, our heirs,	executors, administra	ators, successo	ors, and assigns, jointly
and severally, firmly by th	ese presents.			
THE CONDITION OF THIS	S OBLIGATION IS SUCH, th	at Whereas the Princ	ipal has submi	tted the Accompanying
Bid, dated	,, for			
opening of the same, or, if the period specified there presented to him for signal as accepted, and give bor performance and proper of period specified, or the fa Principal shall pay the City for which the City of Gree the former, then the above  IN WITNESS WHEREOF, thisday of	e Principal shall not withdom on period be specified, with efore, or if no period specificature, enter into a written Connorm of with good and sufficient fulfillment of such contract illure to enter into such Convor of Greenville the difference on wille may procure the requestion shall be void and the above-bounded parties the above-bounded parties the interpretation of the procure of the procure of the procure of the procure of the above-bounded parties the above-bounded parties the above-bounded parties the procure of the p	hin sixty (60) days affied, within ten (10) ntract with the City of it surety or sureties, it or in the event of the tract and give such the between the amoun uired work or supplied of no effect, otherwise have executed this corporate seal of eac	ter the said op days after the Greenville in a as may be re he withdrawal bond within th t specified in se es or both, if the se to remain in instrument un h corporate pa	ening, and shall within e prescribed forms are ccordance with the Bid quired, for the faithful of said Bid within the ne time specified, if the aid Bid and the amount ne latter be in excess of full force and virtue.  Ider their several seals rty being hereto affixed
	pared to meet the requirem this form where necessary.	ents of local or State la	aws or the need	ds of City of Greenville
		(SEAL)		
		(SEAL)		
Attest:	Ву:		_	
Attest:	Ву:		Corporate	Affix Seal

			Affix
	Ву:	Corporate	Seal
Countersigned by			
2. Attorney-in-Fact, State of			
CERTIFICA	TE AS TO COR	PORATE PRINCIPAL	
I,, certify that I am the Corporation named as Principal in the within behalf of the Principal was then and his signature thereto is genuine; and that of said corporation by authority of this gove	t said bond wa	of said corporation;	that I know his signature
Titl	le	Corporate Seal	
2. Power-of-attorney for person signing for s	surety compan	y must be attached to bond.	

# Certification of Bidder Regarding Section 3 Business and MBE/WBE/DBE Participation

and MBE/WBE/DBE Participation
GRANTEE NAME
PROJECT NAME
SECTION 3 OF THE HOUSING AND URBAN DEVELOPMENT ACT OF 1968  As a condition of receiving Federal funds, the City of Greenville is required to comply with Section 3 of the Housing and Urban Development (HUD) Act of 1968 (Section 3), which provides that employment and other economic opportunities generated by certain HUD financial assistance shall, to the greatest extent feasible, and consistent with existing Federal, State and local laws and regulations, be directed to low- and very low-income persons. In accordance with HUD regulations (24 CFR Part 135), Section 3 requirements pass down to construction contractors and subcontractors funded with HUD funds.
BUSINESS ENTERPRISE FOR MINORITIES, FEMALES, AND PERSONS WITH DISABILITIES ACT
(30 ILCS 575/) It is the goal of the State of Michigan that not less than 20% of the total dollar amount of State-funded contracts shall be established as a goal to be awarded to businesses owned by minorities, females, and persons with disabilities. As a condition of receiving funds through the State, the (Grantee Name) shall, to the maximum extent feasible, ensure that contracts and subcontracts issued pursuant thereto are awarded to businesses owned by minorities, females, and persons with disabilities.
BIDDER CERTIFICATION In order to assist the (Grantee Name) in complying with the requirements set forth above, (Bidder/Contractor) hereby certifies that it will take all necessary affirmative steps to assure that, to the maximum extent feasible:
<ul> <li>Businesses owned by minorities, females, and persons with disabilities and Section 3 business concerns are contacted/solicited concerning potential subcontracting opportunities associated with the project; and</li> </ul>
<ul> <li>Subcontracting opportunities generated by the project are awarded to businesses owned by minorities, females, and persons with disabilities and Section 3 business concerns.</li> </ul>
In addition, (Bidder/Contractor) agrees to document all actions take to comply with the requirements listed above, the results of actions taken, and any impediments encountered.
I declare and affirm under penalty of law that the statements made herein are true and accurate to the best of my knowledge. I understand that falsifying information and incomplete statements will disqualify certification status.
Signature of Business Owner or Authorized Representative:
Date:
Attested by:

### STATEMENT OF BIDDER'S QUALIFICATIONS

All questions must be answered and the data given must be clear and comprehensive. This statement must be notarized. If necessary, questions may be answered on separate attached sheets. The Bidder may submit any additional information he or she desires.

1.	Name of the Bidder.
2.	Permanent main office address.
3.	When were you organized?
4.	If a corporation, in what state were you incorporated?
5.	How many years have you been engaged in the contracting business under your present firm or trade name?
6.	Contracts on hand: (Please schedule these, showing amount of each contract and the appropriate anticipated dates of completion).
7.	Describe the general character of work performed by your company.
8.	Have you ever failed to complete any work awarded to you?
9.	Have you ever defaulted on a contract?
10.	List the more important projects recently completed by your company, stating the approximate cost for each, and the month and year the project was completed.
11.	List your major equipment that will be made available for this contract.
12.	State your experience in construction work similar in importance to this project.
13.	$List the \ background\ and\ experience\ of\ the\ principal\ members\ of\ your\ organization, including\ the\ officers.$
14.	Indicate the present amount of credit available to you: \$
15.	Please provide a bank credit reference:
16.	Will you, upon request, fill out a detailed financial statement and furnish any other information that may be required by the?
17.	The undersigned hereby authorizes and requests any person, firm, or corporation to furnish any information requested by thein verification of the recitals comprising this Statement of Bidder's Qualifications.
Dated a	at, this theday of,

	(Name of Bidder)
	By
	Title
State of)	
) ss. County of)	
and that the answers to the foreg	poses and says that he isof going questions and all statements therein contained are
rue and correct.	a.f.
Subscribed and sworn to before me this theday	01
	(Notary Public)
My Commission expires,	

### PERFORMANCE AND PAYMENT BOND (OR BONDS)

Following the Form of Agreement, insert the approved form of the statutory *surety bond or bonds* to insure the performance of the Contract and payment of labor and materials. In addition to the corporation signatures of the surety company(ies) on the bond(s), each bond should be *countersigned* by the surety company's attorney-infact, authorized to act within the state in which the project is situated.

### **CERTIFICATE OF OWNER'S ATTORNEY**

I, the undersigned,certify as follows:	, the duly authorized and acting legal representative of the
execution thereof, and I am of the opinion to duly executed by the proper parties theret representatives have full power and author	tract(s) and Performance and Payment Bond(s) and the manner of that each of the aforesaid agreements are adequate and have been to acting through their duly authorized representatives; that said rity to execute said agreements on behalf of the respective parties eements constitute valid and legally binding obligations upon the th terms, conditions, and provisions thereof.
Date:	
Note: Delete phrase "Performance and Payme	ent Bonds" when not applicable.

# GENERAL SPECIFICATIONS GENERAL CONDITIONS PART I

### 101. **DEFINITIONS**

Whenever used in any of the Contract documents, the following meanings shall be given to the terms herein defined:

- a. The term "Contract" means the Contract executed by the Grantee/Local Public Agency and the Contractor, of which these GENERAL CONDITIONS, PARTS I AND II form a part.
- b. The term "*Grantee/Local Public Agency*" means the City of Greenville which is authorized to undertake this Contract.
- c. The term "Contractor" means the person, firm or corporation entering into the Contract with the Grantee/Local Public Agency to construct and install the Improvements embraced in this Contract.
- d. The term "*Project Area*" means the area within which are the specified Contract limits of the Improvements contemplated to be constructed in whole or in part under this contract.
- e. The term "Architect" means Roger Donaldson AIA, P.L.C. Architect, Architect in charge, serving the Grantee/Local Public Agency with architectural or Architecting services, his successor, or any other person or persons, employed by said Grantee/Local Public Agency for the purpose of directing or having in charge the work embraced in this Contract, the said Architect acting directly or having in charge the work embraced in this Contract, the said Architect having general charge of the work or through any assistant having immediate charge of a portion thereof limited by the particular duties entrusted to him.
- f. The term "Local Government" means the town, village, city, county(ies) or other political subdivision of the State of Michigan within which the Project Area is situated.
- g. The term "Contract Documents" means and shall include the following: Executed Contract, Addenda (if any), Invitation for Bids, Instructions to Bidders, Signed Copy of Bid, General Conditions, Parts I and II, Special Conditions, Technical Specifications, and Drawings (as listed in the Schedule of Drawings).
- h. The term "Subcontractor" means an individual, firm, or corporation having a contractual responsibility with the general contractor or with any other subcontractor for the performance of a part of the work at the site.
- I. The term "Drawings" means the drawings listed in the Schedule of Drawings.
- j. The term "Technical Specifications" means that part of the Contract Documents which describes, outlines and stipulates: the quality of the materials to be furnished; the quality of workmanship required; and the methods to be used in carrying out the construction work to be performed under this Contract.

- k. The terms "Addendum" or "Addenda" mean any changes, revisions or clarifications of the Contract Documents which have been duly issued by the Grantee/Local Public Agency to prospective Bidders prior to the time of receiving Bids.
- l. The term "Secretary" means the Secretary of Housing and Urban Development, or other person who may be at the time acting in the capacity or authorized to perform the functions of such secretary, or the authorized representative thereof.
- m. The term "Department" means the "State" Department of Commerce and Economic Opportunity.

### 102. SUPERINTENDENCE BY CONTRACTOR

- a. Except where the Contractor is an individual and gives his personal superintendence to the work, the contractor shall provide a competent superintendent, satisfactory to the Grantee/Local Public Agency and the Architect, on the work at all times during working hours with full authority to act for him. The Contractor shall also provide an adequate staff for the proper coordination and expediting of his work.
- b. The Contractor shall lay out his own work and he shall be responsible for all work executed by him under the Contract. He shall verify all figures and elevations before proceeding with the work and will be held responsible for any error resulting from his failure to do so.

### 103. SUBCONTRACTS

- a. The Contractor shall not execute an agreement with any subcontractor or permit any subcontractor to perform any work included in this contract until he has submitted a Non-Collusion Affidavit from the subcontractor in substantially the form shown on the following page and has received written approval of such subcontractor from the Grantee/Local Public Agency.
- b. No proposed subcontractor shall be disapproved by the Grantee/Local Public Agency except for cause.
- c. The Contractor shall be as fully responsible to the Grantee/Local Public Agency for the acts and omissions of his subcontractors, and of persons either directly or indirectly employed by them, as he is for the acts and omissions of persons directly employed by him.
- d. The Contractor shall cause appropriate provision to be inserted in all subcontracts relative to the work to require compliance by each subcontractor with the applicable provisions of the Contract.
- e. Nothing contained in the Contract shall create any contractual relation between any subcontractor and the Grantee/Local Public Agency.
- f. The Contractor shall not award work to Subcontractor(s) in excess of 50 percent of the contract price without prior written approval of the Grantee/Local Public Agency.

### 104. OTHER CONTRACTS

The Grantee/Local Public Agency may award, or may have awarded other contracts for additional work, and the Contractor shall cooperate fully with such other Contractors, by scheduling his own

work with that to be performed under other Contracts as may be directed by the Grantee/Local Public Agency. The Contractor shall not commit or permit any act which will interfere with the performance of work by any other Contractor as scheduled.

### 105. FITTING AND COORDINATION OF WORK

The Contractor shall be responsible for the proper fitting of all work and for the coordination of the operations of all trades, subcontractors, or materialmen engaged upon this Contract. He shall be prepared to guarantee to each of his subcontractors the locations and measurements which they may require for the fitting of their work to all surrounding work.

### 106. MUTUAL RESPONSIBILITY OF CONTRACTORS

If, through acts or neglect on the part of the Contractor, any other Contractor or any subcontractor shall suffer loss or damage on the work the Contractor shall settle with such other Contractor or subcontractor by agreement or arbitration, if such other Contractor or subcontractor will so settle. If such other Contractor or subcontractor shall assert any claim against the Grantee/Local Public Agency on account of any damage alleged to have been so sustained, the Grantee/Local Public Agency will notify this Contractor, who shall defend at his own expense any suit based upon such claim, and, if any judgment or claims against the Grantee/Local Public Agency shall be allowed, the Contractor shall pay or satisfy such judgment or claim and pay all costs and expenses in connection therewith.

### 107. PROGRESS SCHEDULE

- a. The Contractor shall submit for approval immediately after execution of the Agreement, a carefully prepared Progress Schedule, showing the proposed dates of starting and completing each of the various sections of the work, the anticipated monthly payments to become due the Contractor, and the accumulated percent of progress each month.
- b Cost Breakdown The Contractor shall submit to the Grantee/Local Public Agency a breakdown of his estimated cost of all work (Schedule of Values), so arranged and itemized as to meet the approval of the Grantee/Local Public Agency. The breakdown shall be submitted promptly after execution of the agreement and before any payment is made to the Contractor for the work performed under the Contract. After approval by the Grantee/Local Public Agency the breakdown shall be used in estimating the amount of partial payments to be made to the Contractor.

### 108. PAYMENTS TO CONTRACTOR

### 1. Partial Payments

a. The Contractor shall prepare the requisition for partial payment as of the last day of the month and submit it, with the required number of copies, to the Architect for approval. The amount of the payment due the Contractor shall be determined by adding to the total value of work completed to date, the value of materials properly stored on the site and deducting (1) ten percent (10%) of the total amount, to be retained until final payment and (2) the amount of all previous payments. The total value of work completed to date shall be based upon the estimated quantities of work completed to date on each item and the unit prices established in the COST BREAKDOWN and adjusted in accordance with the value of work completed to date on

approved change orders. The value of materials properly stored on the site shall be based upon the estimated quantities of such materials and the invoice prices. Copies of all invoices shall be available for inspection of the Architect.

Payment shall be made to the Contractor within 45 days of the Grantee/Local Public Agency's (at the Architect's recommendation) approval of a partial pay request.

b. Monthly or partial payments made by the Grantee/Local Public Agency to the Contractor are moneys advanced for the purpose of assisting the Contractor to expedite the work of construction. The Contractor shall be responsible for the care and protection of all materials and work upon which payments have been made until final acceptance of such work and materials by the Grantee/Local Public Agency. Such payments shall not constitute a waiver of the right of the Grantee/Local Public Agency to require the fulfillment of all terms of the Contract and the delivery of all improvements embraced in this Contract complete and satisfactory to the Grantee/Local Public Agency in all details.

### 2. Final Payment

a. After final inspection and acceptance by the Grantee/Local Public Agency of all work under the Contract, the Contractor shall prepare his requisition for final payment which shall be based upon the carefully measured or computed quantity of each item of work in the Agreement. The total amount of the final payment due the Contractor under this contract shall be the amount computed as described above less all previous payments.

Final payment to the Contractor shall be made subject to his furnishing the Grantee/Local Public Agency with a release in satisfactory form of all claims against the Grantee/Local Public Agency arising under and by virtue of his Contract, other than such claims, if any, as may be specifically excepted by the Contractor from the operation of the release as provided under Section 113 hereof. Final payment is also contingent upon the Grantee/Local Public Agency's receipt of a complete set of "as built" drawings approved by the project Architect based upon information provided by the contractor.

- b. The amount of the final payment due the contractor shall be the lump sum shown in the Agreement or this sum as adjusted by approved change orders.
- c. The Grantee/Local Public Agency, before paying the final estimate, may require the Contractor to furnish releases or receipts from all subcontractors having performed any work and all persons having supplied materials, equipment (installed on the Project) and services to the Contractor, if the Grantee/Local Public Agency deems the same necessary in order to protect its interest. The Grantee/Local Public Agency, however, may if it deems such action advisable make payment in part or in full to the Contractor without requiring the furnishing of such releases or receipts and any payments so made shall in no way impair the obligations of any surety or sureties furnished under this Contract.

d. Withholding of any amount due the Grantee/Local Public Agency under Section 303, entitled Liquidated Damages, under SPECIAL CONDITIONS, shall be deducted from the final payment due the Contractor.

### 3. Withholding Payments

a. The Grantee/Local Public Agency may withhold from any payment otherwise due the Contractor so much as may be necessary to protect the Grantee/Local Public Agency and if it so elects may also withhold any amounts due from the Contractor to any subcontractors or material dealers, for work performed or material furnished by them. The foregoing provisions shall be construed solely for the benefit of the Grantee/Local Public Agency and will not require the Grantee/Local Public Agency to determine or adjust any claims or disputes between the Contractor and his subcontractors or Material Dealers, or to withhold any moneys for their protection unless the Grantee/Local Public Agency elects to do so. The failure or refusal of the Grantee/Local Public Agency to withhold any moneys from the Contractor shall in no way impair the obligations of any surety or sureties under any bond or bonds furnished under this Contract.

### 4. Payments Subject to Submission of Certificates

Each payment to the Contractor by the Grantee/Local Public Agency shall be made subject to submission by the Contractor of all written certifications required of him and his subcontractors by Section 215 hereof.

### 109. CHANGES IN THE WORK

- a. The Grantee/Local Public Agency may make changes in the scope of work required to be performed by the Contractor under the Contract or making the Contract, and without relieving or releasing the Contractor from any of his obligations under the Contract or any guarantee given by him pursuant to the Contract provisions, and without affecting the validity of the guaranty bonds, and without relieving or releasing the surety or sureties of said bonds. All such work shall be executed under the terms of the original Contract unless it is expressly provided otherwise.
- b. Except for the purpose of affording protection against any emergency endangering health, life, limb or property, the Contractor shall make no change in the materials used or in the specified manner of constructing and/or installing the Improvements or supply additional labor, services or materials beyond that actually required for the execution of the Contract, unless in pursuance of a written order from the Grantee/Local Public Agency authorizing the Contractor to proceed with the change. No claim for an adjustment of the Contract Price will be valid unless so ordered.
- c. If applicable unit prices <u>are</u> contained in the Agreement (established as a result of either a unit price bid or a Supplemental Schedule of Unit Prices) the Grantee/Local Public Agency may order the Contractor to proceed with desired unit prices specified in the Contract, provided that in case of a unit price contract the net value of all changes does not increase or decrease the original total amount shown in the Agreement by more than 25 percent (25%) in accordance with the Section entitled Unit Prices, under Instructions to Bidders.
- d. If applicable unit prices are <u>not</u> contained in the Agreement or if the total net change increases or decreases the total Contract Price more than 25 percent (25%), the Grantee/Local Public

Agency shall, before ordering the Contractor to proceed with desired changes, request an itemized proposal from him covering the work involved in the change after which the procedure shall be as follows:

- 1. If the proposal *is acceptable* the Grantee/Local Public Agency will prepare the change order in accordance therewith for acceptance by the Contractor and
- 2. If the proposal is <u>not acceptable</u> and prompt agreement between the two parties cannot be reached, the Grantee/Local Public Agency may order the Contractor to proceed with the work on a cost-plus-limited basis. A cost-plus-limited basis is defined as the net cost of the Contractor's labor, materials and insurance plus 15 percent (15%) of said net cost to cover overhead and profit, the total cost not to exceed a specified limit.
- e. Each change order shall include in its final form:
  - 1. A detailed description of the change in the work.
  - 2. The Contractor's proposal (if any) or a confirmed copy thereof.
  - 3. A definite statement as to the resulting change in the Contract Price and/or time.
  - 4. The statement that all work involved in the change shall be performed in accordance with contract requirements except as modified by the change order.
- f. The procedures as outlined in this section for a unit price contract also apply in the case of a lump sum contract.

### 110. CLAIMS FOR EXTRA COST

- a. If the Contractor claims that any instructions by Drawings or otherwise involve extra cost or extension of time, he shall, within ten days after the receipt of such instructions, and in any event before proceeding to execute the work, submit his protest thereto in writing to the Grantee/Local Public Agency, stating clearly and in detail the basis of his objections. No such claim will be considered unless so made.
- b. Claims for additional compensation for extra work, due to alleged errors in ground elevations, contour lines, or bench marks, will not be recognized unless accompanied by certified survey data, made prior to the time the original ground was disturbed, clearly showing that errors exist which resulted, or would result, in handling more material, or performing more work, than would be reasonably estimated from the Drawings and maps issued.
- c. Any discrepancies which may be discovered between actual conditions and those represented by the Drawings and maps shall at once be reported to the Grantee/Local Public Agency and work shall not proceed except at the Contractor's risk, until written instructions have been received by him from the Grantee/Local Public Agency.
- d. If, on the basis of the available evidence, the Grantee/Local Public Agency determines that an adjustment of the Contract Price and/or Time is justifiable, the procedure shall be as provided in Section 109 thereof.

### 111. TERMINATION, DELAYS AND LIQUIDATED DAMAGES

- Right of the Grantee/Local Public Agency to Terminate Contract. In the event that any of the a. provisions of this Contract are violated by the Contractor, or by any of his subcontractors, the Grantee/Local Public Agency may serve written notice upon the Contractor and the surety of its intention to terminate the contract, such notices to contain the reasons for such intention to terminate the Contract, and unless within ten (10) days after the serving of such notice upon the Contractor, such violation or delay shall cease and satisfactory arrangement of correction be made, the Contract shall, upon the expiration of said ten (10) days, cease and terminate. In the event of any such termination, the Grantee/Local Public Agency shall immediately serve notice thereof upon the surety and the Contractor and the surety shall have the right to take over and perform the Contract; provided, however, that if the surety does not commence performance thereof within ten (10) days from the date of the mailing to such surety of notice of termination, the Grantee/Local Public Agency may take over the work and prosecute the same to completion by Contract or by force account for the account and at the expense of the Contractor and the Contractor and his surety shall be liable to the Grantee/Local Public Agency for any excess cost occasioned the Grantee/Local Public Agency thereby, and in such event the Grantee/Local Public Agency may take possession of and utilize in completing the work, such materials, appliances, and plant as may be on the site of the work and necessary therefore.
- b. Liquidated Damages for Delays. If the work is not completed within the time stipulated in Section 302 hereof, including any extension of time for excusable delays as herein provided, then the Contractor will pay to the Grantee/Local Public Agency the amount for liquidated damages as specified in the Bid for each calendar day that the Contractor shall be in default. The Contractor and his sureties shall be liable to the Grantee/Local Public Agency for the amount thereof.
- c. *Excusable Delays*. The right of the Contractor to proceed shall not be terminated nor shall the Contractor be charged with liquidated damages for any delays in the completion of the work due:
  - 1. To any acts of the Government, including controls or restrictions upon or requisitioning of materials, equipment, tools, or labor by reason of war, National Defense, or any other national emergency;
  - 2. To any acts of the Grantee/Local Public Agency;
  - 3. To causes not reasonably foreseeable by the parties to this Contract at the time of the execution of the Contract which are beyond the control and without the fault or negligence of the Contractor, including, but not restricted to, acts of God or of the public enemy, acts of another Contractor in the performance of some other contract with the Grantee/Local Public Agency, fires, floods, epidemics, quarantine, restrictions, strikes, freight embargoes, and weather of unusual severity such as hurricanes, tornadoes, cyclones and other extreme weather conditions; and
  - 4. To any delay of any subcontractor occasioned by any of the causes specified in subparagraphs (1), (2), and (3) of this paragraph "c".
    - Provided, however, that the Contractor promptly notifies the Grantee/Local Public Agency within ten (10) days in writing of the cause of the delay. Upon receipt of such notification the Grantee/Local Public Agency shall ascertain the facts and the cause and extent of delay. If, upon the basis of the facts and the terms of this Contract, the delay is properly excusable, the Grantee/Local Public Agency shall extend the time for

completing the work for a period of time commensurate with the period of excusable delay.

### 112. ASSIGNMENT OR NOVATION

The Contractor shall not assign or transfer, whether by an assignment or novation, any of its rights, duties, benefits, obligations, liabilities, or responsibilities under this Contract without the written consent of the Grantee/Local Public Agency; provided, however, that assignments to banks, trust companies, or other financial institutions may be made without the consent of the Grantee/Local Public Agency. No assignment or novation of this Contract shall be valid unless the assignment or novation expressly provides that the assignment of any of the Contractor's rights or benefits under the Contract is subject to a prior lien for labor performed, services rendered, and materials, tools, and equipment supplied for the performance of the work under this Contract in favor of all persons, firms, or corporations rendering such labor or services or supplying such materials, tools, or equipment.

### 113. DISPUTES

- a. All disputes arising under this Contract or its interpretation except those disputes covered by FEDERAL LABOR STANDARDS PROVISIONS under GENERAL CONDITIONS, PART II whether involving law or fact or both, or extra work, and all claims for alleged breach of contract shall within ten (10) days of commencement of the dispute be presented by the Contractor to the Grantee/Local Public Agency for decision. All papers pertaining to claims shall be filed in quadruplicate. Such notice need not detail the amount of the claim, but shall state the facts surrounding the claim in sufficient detail to identify the claim, together with its character and scope. In the meantime the Contractor shall proceed with the work as directed. Any claim not presented within the time limit specified in this paragraph shall be deemed to have been waived, except that if the claim is of a continuing character and notice of the claim is not given within ten (10) days of its commencement, the claim will be considered only for a period commencing ten (10) days prior to the receipt by the Grantee/Local Public Agency of notice thereof.
- b. The Contractor shall submit in detail his claim and his proof thereof. Each decision by the governing body of the Local Policy Agency will be in writing and will be mailed to the Contractor by registered or certified mail, return receipt requested, directed to his last known address.
- c. If the Contractor does not agree with any decision of the Grantee/Local Public Agency, he shall in no case allow the dispute to delay the work but shall notify the Grantee/Local Public Agency promptly that he is proceeding with the work under protest and he may then accept the matter in question from the final release.

### 114. TECHNICAL SPECIFICATIONS AND DRAWINGS

Anything mentioned in the Technical Specifications and not shown on the Drawings or shown on the Drawings and not mentioned in the Technical Specifications shall be of like effect as if shown on or mentioned in both. In case of difference between Drawings and Technical Specifications, the Technical Specifications shall govern. In case of any discrepancy in Drawings, or Technical Specifications, the matter shall be immediately submitted to the Grantee/Local Public Agency, without whose decision, said discrepancy shall not be adjusted by the Contractor, save only at his own risk and expense.

#### 115. SHOP DRAWINGS

- a. All required shop drawings, machinery details, layout drawings, etc. shall be submitted to the Architect in electronic format for approval sufficiently in advance of requirements to afford ample time for checking, including time for correcting, resubmitting and rechecking if necessary. The Contractor may proceed, only at his own risk, with manufacture or installation of any equipment or work covered by said shop drawings, etc. until they are approved and no claim, by the Contractor for extension of the contract time shall be granted by reason of his failure in this respect.
- b. Any drawings submitted without the Contractor's stamp of approval will not be considered and will be returned to him for proper resubmission. If any drawings show variations from the requirements of the Contract because of standard shop practice or other reason, the Contractor shall make specific mention of such variation in his letter of transmittal in order that, if acceptable, suitable action may be taken for proper adjustment of contract price and/or time; otherwise the Contractor will not be relieved of the responsibility for executing the work in accordance with the Contract even though the drawings have been approved.
- c. If a shop drawing is in accord with the Contract or involves only a minor adjustment in the interest of the Grantee/Local Public Agency not involving a change in contract price or time, the Architect may approve the drawing. The approval shall be general, shall not relieve the Contractor from his responsibility for adherence to the contract or for any error in the drawing, and shall contain in substance the following:

  "The modification shown on the attached drawing is approved in the interest of the Grantee/Local Public Agency to effect an improvement for the Project and is ordered with the understanding that it does not involve any change in the Contract Price or time; that it is subject generally to all Contract stipulation and covenants; and that it is without prejudice to any and all rights of the Grantee/Local Public Agency under the Contract and surety bond or bonds."

### 116. REQUESTS FOR SUPPLEMENTARY INFORMATION

It shall be the responsibility of the Contractor to make timely requests of the Grantee/Local Public Agency for any additional information not already in his possession which should be furnished by the Grantee/Local Public Agency under the terms of this Contract, and which he will require in the planning and execution of the work. Such requests may be submitted from time to time as the need is approached, but each shall be filed in ample time to permit appropriate action to be taken by all parties involved so as to avoid delay. Each request shall be in writing, and list the various items and the latest date by which each will be required by the Contractor. The first list shall be submitted within two weeks after Contract award and shall be as complete as possible at that time. The Contractor shall, if requested, furnish promptly any assistance and information the Architect may require in responding to these requests of the Contractor. The Contractor shall be fully responsible for any delay in his work or to others arising from his failure to comply fully with the provisions of this Section.

### 117. MATERIALS AND WORKMANSHIP

a. Unless otherwise specifically provided for in the Technical Specifications, all workmanship, equipment, materials and articles incorporated in the work shall be new and the best grade of the respective kinds for the purpose. Where equipment, materials, articles or workmanship are referred to in the Technical Specifications as equal to any particular standard, the Architect shall decide the question of equality.

- b. The Contractor shall furnish to the Grantee/Local Public Agency for approval the manufacturer's detailed specifications for all machinery, mechanical and other special equipment, which he contemplates installing together with full information as to type, performance characteristics, and all other pertinent information as required, and shall likewise submit for approval as required full information concerning all other materials or articles which he proposes to incorporate in the work. (See Section 118 thereof.)
- c. Machinery, mechanical and other equipment, materials or articles installed or used without such prior approval shall be at the risk of subsequent rejection.
- d. Materials specified by reference to the number or symbol of a specific standard, such as an A.S.T.M. Standard, a Federal Specification or other similar standard, shall comply with requirements in the latest revision thereof and any amendment or supplement thereto in effect on the date of the Invitation for Bids, except as limited to type, class or grade, or modified in such reference. The standards referred to, except as modified in the Technical Specifications, shall have full force and effect as though printed therein.
- e. The Grantee/Local Public Agency may require the Contractor to dismiss from the work such employee or employees as the Grantee/Local Public Agency or the Architect may deem incompetent, or careless, or insubordinate.

### 118. SAMPLES, CERTIFICATES AND TESTS

- a. The Contractor shall submit all material or equipment samples, certificates, affidavits, etc. as called for in the contract documents or required by the Architect, promptly after award of the contract and acceptance of the Contractor's bond. No such material or equipment shall be manufactured or delivered to the site, except after acceptance of the Contractor's bond. No such material or equipment shall be manufactured or delivered to the site, except at the Contractor's own risk, until the required samples or certificates have been approved in writing by the Architect. Any delay in the work caused by late or improper submission of samples or certificates for approval shall not be considered just cause for an extension of the contract time.
- b. Each sample submitted by the Contractor shall carry a label giving the name of the Contractor, the project for which it is intended, and the name of the producer. The accompanying certificate or letter from the Contractor shall state that the sample complies with the contract requirements, shall give the name and brand of the product, its place of origin, the name and address of the producer and all specifications or other detailed information which will assist the Architect in passing upon the acceptability of the sample promptly. It shall also include the statement that all materials or equipment furnished for use in the project will comply with the samples and/or certified statements.
- c. Approval of any materials shall be general only and shall not constitute a waiver of the Grantee/Local Public Agency's right to demand full compliance with Contract requirements. After actual deliveries, the Architect will have such check tests made as he deems necessary in each instance and may reject materials and equipment and accessories for cause, even though such materials and articles have been given general approval. If materials, equipment or accessories which fail to meet check tests have been incorporated in the work, the Architect will have the right to cause their removal and replacement by proper materials or to demand and secure such reparation by the Contractor as is equitable.

- d. Except as otherwise specifically stated in the Contract, the costs of sampling and testing will be divided as follows:
  - 1. The Contractor shall furnish without extra cost, including packing and delivery charges, all samples required for testing purposes, except those samples taken on the project by the Architect;
  - 2. The Contractor shall assume all costs of retesting materials which fail to meet contract requirements;
  - 3. The Contractor shall assume all costs of testing materials offered in substitution for those found deficient;
  - 4. The Grantee/Local Public Agency will pay all other expenses.

### 119. PERMITS AND CODES

a. The Contractor shall give all notices required by and comply with all applicable laws, ordinances, and codes of the Local Government. All construction work and/or utility installations shall comply with all applicable ordinances and codes, including all written waivers. Before installing any work, the Contractor shall examine the Drawings and Technical Specifications for compliance with applicable ordinances and codes and shall immediately report any discrepancy to the Grantee/Local Public Agency. Where the requirements of the Drawings and Technical Specifications fail to comply with such applicable ordinances or codes, the Grantee/Local Public Agency will adjust the Contract by Change Order to conform to such ordinances or codes (unless waivers in writing covering the difference have been granted by the governing body or department) and make appropriate adjustment in the Contract Price or stipulated unit prices.

Should the Contractor fail to observe the foregoing provisions and proceed with the construction and/or install any utility at variance with any applicable ordinance or code, including any written waivers (notwithstanding the fact that such installation is in compliance with the Drawings and Technical Specifications), the Contractor shall remove such work without cost to the Grantee/Local Public Agency, or a Change Order will be issued to cover only the excess cost the Contractor would have been entitled to receive if the change had been made before the Contractor commenced work on the items involved.

- b. The Contractor shall, at his own expense, secure and pay to the appropriate department of the Local Government the fees or charges for all permits for street pavement, sidewalks, sheds, removal of abandoned water taps, sealing of house connection drains, pavement cuts, buildings, electrical, plumbing, water, gas and sewer permits required by the local regulatory body or any of its agencies.
- c. The Contractor shall comply with applicable local laws and ordinances governing the disposal of surplus excavation, materials, debris and rubbish on or off the Project Area and commit no trespass on any public or private property in any operation due to or connected with the Improvements embraced in this Contract.

#### 120. CARE OF WORK.

- a. The Contractor shall be responsible for all damages to person or property that occur as a result of his fault or negligence in connection with the prosecution of the work and shall be responsible for the proper care and protection of all materials delivered and work performed until completion and final acceptance, whether or not the same has been covered in whole or in part by payments made by the Grantee/Local Public Agency.
- b. The Contractor shall provide sufficient competent watchmen, both day and night, including Saturdays, Sundays, and holidays, from the time the work is commenced until final completion and acceptance.
- c. In an emergency affecting the safety of life, limb or property, including adjoining property, the Contractor, without special instructions or authorization from the Grantee/Local Public Agency, is authorized to act at his discretion to prevent such threatened loss or injury, and he shall so act. He shall likewise act if instructed to do so by the Grantee/Local Public Agency. Any compensation claimed by the Contractor on account of such emergency work will be determined by the Grantee/Local Public Agency as provided in Section 109 hereof.
- d. The Contractor shall avoid damage as a result of his operations to existing sidewalks, streets, curbs, pavements, utilities (except those which are to be replaced or removed), adjoining property, etc., and he shall at his own expense completely repair any damage thereto caused by his operations.
- e. The Contractor shall shore up, brace, underpin, secure, and protect as may be necessary, all foundations and other parts of existing structures adjacent to, adjoining, and in the vicinity of the site, which may be in any way affected by the excavations or other operations connected with the construction of the Improvements embraced in this Contract. The Contractor shall be responsible for the giving of any and all required notices to any adjoining or adjacent property owner or other party before the commencement of any work. The Contractor shall indemnify and save harmless the Grantee/Local Public Agency from any damages on account of settlements or the loss of lateral support of adjoining property and from all loss or expense and all damages for which the Grantee/Local Public Agency may become liable in consequence of such injury or damage to adjoining and adjacent structures and their premises.

### 121. ACCIDENT PREVENTION

- a. No laborer or mechanic employed in the performance of this Contract shall be required to work in surroundings or under working conditions which are unsanitary, hazardous, or dangerous to his health or safety as determined under construction safety and health standards promulgated by the Secretary of Labor.
- b. The Contractor shall exercise proper precaution at all times for the protection of persons and property and shall be responsible for all damages to persons or property, either on or off the site, which occur as a result of his prosecution of the work. The safety provisions of applicable laws and building and construction codes shall be observed and the Contractor shall take or cause to be taken such additional safety and health measures as the Grantee/Local Public Agency may determine to be reasonably necessary. Machinery, equipment and all hazards shall be guarded in accordance with the safety provisions of the "Manual of Accident Prevention in Construction" published by the Associated General Contractors of America, Inc., to the extent that such provisions are not in conflict with applicable laws.

- c. The Contractor shall maintain an accurate record of all cases of death, occupational disease, or injury requiring medical attention or causing loss of time from work, arising out of and in the course of employment on work under the Contract. The Contractor shall promptly furnish the Grantee/Local Public Agency with reports concerning these matters.
- d. The Contractor shall indemnify and save harmless the Grantee/Local Public Agency from any claims for damages resulting from property damage, personal injury and/or death suffered or alleged to have been suffered by any person as a result of any work conducted under this Contract.

### 122. SANITARY FACILITIES

a. The Contractor shall furnish, install and maintain ample sanitary facilities for the workers. As the needs arise, a sufficient number of enclosed temporary toilets shall be conveniently placed as required by the sanitary codes of the State and Local Government. Drinking water shall be provided from an approved source, so piped or transported as to keep it safe and fresh and served from single service containers or satisfactory types of sanitary drinking stands or fountains. All such facilities and services shall be furnished in strict accordance with existing and governing health regulations.

### 123. USE OF PREMISES

- a. The Contractor shall confine his equipment, storage of materials, and construction operations to the Contract Limits as shown on the Drawings and as prescribed by ordinances or permits, or as may be desired by the Grantee/Local Public Agency, and shall not unreasonably encumber the site or public rights of way with his materials and construction equipment.
- b. The Contractor shall comply with all reasonable instructions of the Grantee/Local Public Agency and all existing state and local regulations regarding signs, advertising, traffic, fires, explosives, danger signals, and barricades.

### 124. REMOVAL OF DEBRIS, CLEANING, ETC.

a. The Contractor shall periodically, or as directed during the progress of the work, remove and legally dispose of all surplus excavated material and debris, and keep the Project Area and public rights-of- way reasonably clear. Upon completion of the work, he shall remove all temporary construction facilities, debris and unused materials provided for the work, and put the whole site of the work and public rights-of-way in a neat and clean condition. Trash burning on the site of the work will be subject to prior approval of the Grantee/Local Public Agency and existing State and local regulations.

### 125. INSPECTION

a. All materials and workmanship shall be subject to inspection, examination, or test by the Grantee/Local Public Agency and the Architect at any and all times during manufacture or construction and at any and all places where such manufacture or construction is carried on. The Grantee/Local Public Agency shall have the right to reject defective material and workmanship or require its correction. Unacceptable workmanship shall be satisfactorily corrected. Rejected material shall be promptly segregated and removed from the Project Area and replaced with material of specified quality without charge therefore. If the Contractor fails to proceed at once with the correction of rejected workmanship or defective material, the Grantee/Local Public Agency may by contract or otherwise have the defects remedied or rejected materials removed from the Project Area and charge the cost of the same against any monies which may be due the Contractor, without prejudice to any other rights or remedies of the Grantee/Local Public Agency.

- b. The Contractor shall furnish promptly all materials reasonably necessary for any tests which may be required. (See Section 118 hereof.) All tests by the Grantee/Local Public Agency will be performed in such manner as not to delay the work unnecessarily and will be made in accordance with the provisions of the Technical Specifications.
- c. The Contractor shall notify the Grantee/Local Public Agency sufficiently in advance of backfilling or concealing any facilities to permit proper inspection. If any facilities are concealed without approval or consent of the Grantee/Local Public Agency, the Contractor shall uncover for inspection and recover such facilities all at his own expense, when so requested by the Grantee/Local Public Agency.
- d. Should it be considered necessary or advisable by the Grantee/Local Public Agency at any time before final acceptance of the entire work to make an examination of work already completed by uncovering the same, the Contractor shall on request promptly furnish all necessary facilities, labor, and material. If such work is found to be defective in any important or essential respect, due to fault of the Contractor or his subcontractors, the Contractor shall defray all the expenses of such examination and of satisfactory reconstruction. If, however, such work is found to meet the requirements of the Contract, the actual cost of labor and material necessarily involved in the examination and replacement, plus 15 percent of such costs to cover superintendence, general expenses and profit, shall be allowed the Contractor and he shall, in addition, if completion of the work of the entire Contract has been delayed thereby, be granted a suitable extension of time on account of the additional work involved.
- e. Inspection of materials and appurtenances to be incorporated in the Improvements embraced in this Contract may be made at the place of production, manufacture or shipment, whenever the quantity justifies it, and such inspection and acceptance, unless otherwise stated in the Technical Specifications, shall be final, except as regards (1) latent defects, (2) departures from specific requirements of the Contract, (3) damage or loss in transit, or (4) fraud or such gross mistakes as amount to fraud. Subject to the requirements contained in the preceding sentence, the inspection of materials as a whole or in part will be made at the Project Site.
- f. Neither inspection, testing, approval nor acceptance of the work in whole or in part, by the Grantee/Local Public Agency or its agents, shall relieve the Contractor or his sureties of full responsibility for materials furnished or work performed not in strict accordance with the Contract.

### 126. REVIEW BY GRANTEE/LOCAL PUBLIC AGENCY

The Grantee/Local Public Agency, its authorized representatives and agents and the Representative for the Secretary, and representatives of the department shall, at all times have access to and be permitted to observe and review all work, materials, equipment, payrolls, personnel records, employment conditions, material invoices, and other relevant data and records pertaining to this Contract, provided, however, that all instructions and approval with respect to the work will be given to the Contractor only by the Grantee/Local Public Agency through its authorized representatives or agents.

#### 127. FINAL INSPECTION

When the Improvements embraced in this Contract are substantially completed, the Contractor shall notify the Grantee/Local Public Agency in writing that the work will be ready for final inspection on a definite date which shall be stated in the notice. The notice will be given at least ten (10) days prior to the date stated for final inspection, and bear the signed concurrence of the representative of the Grantee/Local Public Agency having charge of inspection. If the Grantee/Local Public Agency

determines that the status of the Improvements is as represented, it will make the arrangements necessary to have final inspection commenced on the date stated in the notice, or as soon thereafter as is practicable. The inspection party will also include the representatives of each department of the Local Government having in charge improvements of like character when such Improvements are later to be accepted by the Local Government.

#### 128. DEDUCTION FOR UNCORRECTED WORK

If the Grantee/Local Public Agency deems it not expedient to require the Contractor to correct work not done in accordance with the Contract Documents, an equitable deduction from the Contract Price will be made by agreement between the Contractor and the Grantee/Local Public Agency and subject to settlement, in case of dispute, as herein provided.

#### 129. INSURANCE

The Contractor shall not commence work under this contract until he has obtained all the insurance required under this paragraph and such insurance has been approved by the Grantee/Local Public Agency, nor shall the Contractor allow any subcontractor to commence work on his subcontract until the insurance required of the subcontractor has been obtained and approved.

- a. Compensation Insurance: The Contractor shall procure and shall maintain during the life of this contract Workmen's Compensation Insurance as required by applicable State or territorial law for all of his employees to be engaged in work at the site of the project under this contract and, in case of any such work sublet, the Contractor shall require the subcontractor similarly to provide Workmen's Compensation Insurance for all of the latter's employees to be engaged in such work unless such employees are covered by the protection afforded by the Contractor's Workmen's Compensation Insurance. In case any class of employees engaged in hazardous work on the project under this contract is not protected under the Workmen's Compensation Statute, the Contractor shall provide and shall cause each subcontractor to provide adequate employer's liability insurance for the protection of such of his employees as are not otherwise protected.
- b. Contractor's Public Liability and Property Damage Insurance and Vehicle Liability Insurance:
  The Contractor shall procure and shall maintain during the life of this Contract Contractor's
  Public Liability Insurance, Contractor's Property Damage Insurance and Vehicle Liability
  Insurance in the amounts specified in the Special Conditions.
- c. Subcontractor's Public Liability and Property Damage Insurance and Vehicle Liability Insurance:
  The Contractor shall require each of his subcontractors to procure and to maintain during the life of his subcontract, Subcontractor's Public Liability and Property Damage Insurance and Vehicle Liability Insurance of the type and in the amounts specified in the Special Conditions specified in subparagraph (b) hereof.
- d. Scope of Insurance and Special Hazards: The insurance required under subparagraphs (b) and (c) hereof shall provide adequate protection for the Contractor and his subcontractors, respectively, against damage claims which may arise from operations under this Contract, whether such operations be by the insured or by anyone directly or indirectly employed by him and, also against any of the special hazards which may be encountered in the performance of this Contract as enumerated in the Special Conditions.
- e. Builder's Risk Insurance (Fire and Extended Coverage): Until the project is completed and accepted by the Grantee/Local Public Agency, the Grantee/Local Public Agency, or Contractor (at the Grantee/Local Public Agency's option as indicated in the Special Conditions) is required

to maintain Builder's Risk Insurance (*fire and extended coverage*) on a 100 percent completed value basis on the insurable portion of the project for the benefit of the Grantee/Local Public Agency, the Contractor, and subcontractors as their interests may appear. The Contractor shall not include any costs for Builder's Risk Insurance (*fire and extended coverage*) premiums during construction unless the Contractor is required to provide such insurance; however, this provision shall not release the Contractor from his obligation to complete, according to plans and specifications, the project covered by the contract, and the Contractor and his surety shall be obligated to full performance of the Contractor's undertaking.

f. Proof of Carriage of Insurance: The Contractor shall furnish the Grantee/Local Public Agency with certificates showing the type, amount, class of operations covered, effective dates and date of expiration of policies. Such certificates shall also contain substantially the following statement: "The insurance covered by this certificate will not be cancelled or materially altered, except after ten (10) days written notice has been received by the Grantee/Local Public Agency."

#### 130. PATENTS

The Contractor shall hold and save the Grantee/Local Public Agency, its officers, and employees, harmless from liability of any nature or kind, including costs and expenses, for, or on account of, any patented or unpatented invention, process, article, or appliance manufactured or used in the performance of the Contract, specifically stipulated in the Technical Specifications.

#### 131. WARRANTY OF TITLE

No material, supplies, or equipment to be installed or furnished under this Contract shall be purchased subject to any chattel mortgage or under a conditional sale, lease-purchase or other agreement by which an interest therein or in any part thereof is retained by the seller or supplier. The Contractor shall warrant good title to all materials, supplies, and equipment installed or incorporated in the work and upon completion of all work, shall deliver the same together with all improvements and appurtenances constructed or placed thereon by him to the Grantee/Local Public Agency free from any claims, liens, or charges. Neither the Contractor nor any person, firm, or corporation furnishing any material or labor for any work covered by this Contract shall have any right to a lien upon any improvement or appurtenance thereon. Nothing contained in this paragraph, however, shall defeat or impair the right of persons furnishing materials or labor to recover under any bond given by the Contractor for their protection or any rights under any law permitting such persons to look to funds due the Contractor in the hands of the Grantee/Local Public Agency. The provisions of this paragraph shall be inserted in all subcontracts and material contracts and notice of its provisions shall be given to all persons furnishing materials for the work when no formal contract is entered into for such materials.

#### 132. GENERAL GUARANTY

Neither the final certificate of payment nor any provision in the Contract nor partial or entire use of the Improvements embraced in this Contract by the Grantee/Local Public Agency or the public shall constitute an acceptance of work not done in accordance with the Contract or relieve the Contractor of liability in respect to any express warranties or responsibility for faulty materials or workmanship. The Contractor shall promptly remedy any defects in the work and pay for any damage to other work resulting therefrom which shall appear within a period of twelve (12) months from the date of final acceptance of the work. (Indicate in the preceding blank the number of calendar months over which the guaranty will extend. This period of time should be determined in line with the character of the improvements and local practice in this respect.) The Grantee/Local Public Agency will give notice of defective materials and work with reasonable promptness.

#### 133. COMPLIANCE WITH AIR AND WATER ACTS

In compliance with the Clean Air Act, as amended, 42 U.S.C. 1857 et. seq., the Federal Water Pollution Control Act, as amended, 33 U.S.C. 1251 et. seq., and the regulations of the Environmental Protection Agency with respect thereto, the Contractor agrees that:

- 1. Any facility to be utilized in the performance of this Contract or any subcontract shall not be a facility listed on the EPA List of Violating Facilities pursuant to 40 CFR 15.20.
- He will comply with all requirements of Section 114 of the Clean Air Act as amended, (42 U.S.C. 1857c-8) and Section 308 of the Federal Water Pollution Control Act, as amended, (33 U.S.C. 1251) relating to inspection, monitoring, entry, reports, and information, as well as all other requirements specified in said Section 114 and Section 308, and all regulations & guidelines issued thereunder.
- 3. He will promptly notify the owner of any notification received from the Director, Office of Federal Activities, EPA, indicating that a facility utilized or to be utilized for the Contract is under consideration to be listed on the EPA List of Violating Facilities.
- 4. He will include or cause to be included the provisions of paragraphs (1) through (4) of this section in every nonexempt subcontract and that he will take such action as the Government may direct as a means of enforcing such provisions.

#### 134. EQUAL EMPLOYMENT OPPORTUNITY

If the contract amount is \$10,000 or more the following conditions shall apply: During the performance of this contract, the Contractor agrees as follows:

- 1. The contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin. The contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, color, religion, sex, or national origin. Such action shall include, but not be limited to the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the contracting officer setting forth the provisions of this nondiscrimination clause.
- 2. The contractor will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, or national origin.
- 3. The contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice, to be provided by the agency contracting officer, advising the labor union or workers' representative of the contractor's commitments under Section 202 of the Executive Order No. 11246 of September 24, 1965, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

- 4. The contractor will comply with all provisions of Executive Order No. 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor as supplemented by 40 Code of Federal Regulations Part 60.
- 5. The contractor will furnish all information and reports required by Executive Order No. 11246 of September 24, 1965, and by the rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the contracting agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.
- 6. In the event of the contractor's non-compliance with the nondiscrimination clause of this contract or with any of such rules, regulations, or orders, this contract may be canceled, terminated or suspended in whole or in part and the contractor may be declared ineligible for further Government contracts in accordance with procedures authorized in Executive Order No. 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order No. 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.
- 7. The contractor will include the provisions of Paragraphs (1) through (7) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to Section 204 of Executive Order No. 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The contractor will take such action with respect to any subcontract or purchase order as the contracting agency may direct as a means of enforcing such provisions including sanctions for noncompliance:

  Provided, however, that in the event the contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction by the contracting agency, the contractor may request the United States to enter into such litigation to protect the interests of the United States."

#### 135. SECTION 504 OF THE REHABILITATION ACT OF 1973 (If \$2,500 or Over)

#### Affirmative Action for Workers With Disabilities

- 1. The Contractor will not discriminate against any employee or applicant for employment because of physical or mental disability in regard to any position for which the employee or applicant for employment is qualified. The Contractor agrees to take affirmative action to employ, advance in employment and otherwise treat qualified individuals with disabilities without discrimination based upon their physical or mental disability in all employment practices such as the following: Employment, upgrading, demotion or transfer, recruitment, adverting, layoff or termination, rates of pay or other forms of compensation, and selection for training, including apprenticeship.
- 2. In the event of the Contractor's noncompliance with the requirements of this clause, actions for noncompliance may be taken in accordance with the rules, regulations, and relevant orders of the Secretary of Labor issued pursuant to the Act.
- 3. The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices in a form to be prescribed by the Director, provided by or through the contracting officer. Such notices shall state the Contractor's obligation under the law to take affirmative action to employ and advance in employment qualified employees with disabilities and applicants for employment, and the rights of applicants and employees.

- 4. The Contractor will notify each labor union or representative of workers with which it has a collective bargaining agreement or other contract understanding, that the Contractor is bound by the terms of Section 504 of the Rehabilitation Act of 1973, and is committed to take affirmative action to employ and advance in employment individuals with disabilities.
- 5. The Contractor will include the provisions of this clause in every subcontract or purchase order of \$2,500 or more unless exempted by rules, regulations, or orders of the Secretary issued pursuant to Section 504 of the Act, so that such provisions will be binding upon each subcontractor or vendor. The Contractor will take such action with respect to any subcontract or purchase order as the Director of the Office of Federal Contract Compliance Programs may direct to enforce such provisions, including action for non-compliance.

#### 136. SECTION 402 VETERANS OF THE VIETNAM ERA (If \$10,000 or Over)

#### Affirmative Action for Disabled Veterans and Veterans of the Vietnam Era

- 1. The Contractor will not discriminate against any employee or applicant for employment because he or she is a disabled veteran or veteran of the Vietnam era in regard to any position for which the employee or applicant for employment is qualified. The Contractor agrees to take affirmative action to employ, advance in employment and otherwise treat qualified disabled veterans and veterans of the Vietnam era without discrimination based upon their disability or veteran status in all employment practices such as the following: employment upgrading, demotion or transfer, recruitment, advertising, layoff or termination, rates of pay or other forms of compensation, and selection for training, including apprenticeship.
- 2. The Contractor agrees that all suitable employment openings of the Contractor which exist at the time of the execution of this Contract and those which occur during the performance of this Contract, including those not generated by this Contract and including those occurring at an establishment of the Contract other than the one wherein the Contract is being performed but excluding those of independently operated corporate affiliates, shall be listed at an appropriate local office of the State employment service system wherein the opening occurs. The Contractor further agrees to provide such reports to such local office regarding employment openings and hires as may be required.
  - State and local government agencies holding Federal contracts of \$10,000 or more shall also list all their suitable openings with the appropriate office of the State employment service, but are not required to provide those reports set forth in paragraphs (4) and (5).
- 3. Listing of employment openings with the employment service system pursuant to this clause shall be made at least concurrently with the use of any other recruitment source or effort and shall involve the normal obligations which attach to the placing of a bona fide job order, including the acceptance or referrals of veterans and non-veterans. The listing of employment openings does not require the hiring of any particular job applicant or from any particular group of job applicants, and nothing herein is intended to relieve the Contractor from any requirements in Executive Orders or regulations regarding nondiscrimination in employment.
- 4. The reports required by paragraph (2) of this clause shall include, but not be limited to, periodic reports which shall be filed at least quarterly with the appropriate local office or, where the Contractor has more than one hiring location in a State, with the central office of that State employment service. Such reports shall indicate for each hiring location (1) the number of individuals hired during the reporting period, (2) the number of non-disabled veterans of the Vietnam era hired, (3) the number of disabled veterans of the Vietnam era

hired, and (4) the total number of disabled veterans hired. The reports should include covered veterans hired for on-the-job training under 38 U.S.C. 1787. The Contractor shall submit a report within 30 days after the end of each reporting period wherein any performance is made on this contract identifying data for each hiring location. The Contractor shall maintain at each hiring location copies of the reports submitted until the expiration of one year after final payment under the Contract, during which time these reports and related documentation shall be made available, upon request, for examination by any authorized representatives of the contracting officer or of the Secretary of Labor. Documentation would include personnel records respecting job openings, recruitment, and placement.

- 5. Whenever the Contractor becomes contractually bound to the listing provisions of this clause, it shall advise the employment service system in each State where it has establishments of the name and location of each hiring location in the State. As long as the Contractor is contractually bound to these provisions and has so advised the State system, there is no need to advise the State system of subsequent contracts. The Contractor may advise the State system when it is no longer bound by this Contract clause.
- 6. This clause does not apply to the listing of employment openings which occur and are filled outside of the 50 States, the District of Columbia, Puerto Rico, Guam, and the Virgin Islands.
- 7. The Contractor agrees to comply with the rules, regulations, and relevant orders of the Secretary of Labor issued pursuant to the Act.
- 8. In the event of the Contractor's noncompliance with the requirements of this clause, actions for noncompliance may be taken in accordance with the rules, regulations, and relevant orders of the Secretary of Labor issued pursuant to the Act.
- 9. The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices in a form to be prescribed by the Director, provided by or through the contracting officer. Such notice shall state the Contractor's obligation under the law to take affirmative action to employ and advance in employment qualified disabled veterans and veterans of the Vietnam era for employment, and the rights of applicants and employees.
- 10. The Contractor will notify each labor union or representative of workers with which it has a collective bargaining agreement or other contract understanding that the Contractor is bound by the terms of the Vietnam Era Veterans Readjustment Assistance Act, and is committed to take affirmative action to employ and advance in employment qualified disabled veterans and veterans of the Vietnam Era.
- 11. The Contractor will include the provisions of this clause in every subcontract or purchase order of \$10,000 or more unless exempted by rules, regulation, or orders of the Secretary issued pursuant to the Act, so that such provisions will be binding upon each subcontractor or vendor. The Contractor will take such action with respect to any subcontract or purchase order as the Director of the Office of Federal Contract Compliance Programs may direct to enforce such provisions, including action for noncompliance.

## 137. "SECTION 3" COMPLIANCE IN THE PROVISION OF TRAINING, EMPLOYMENT AND BUSINESS OPPORTUNITIES

Any contract or subcontract awarded by a recipient or contractor shall include the following clause (referred to as a Section 3 clause):

- a. The work to be performed under this contract is subject to the requirements of Section 3 of the Housing and Urban Development Act of 1968, as amended, 12 U.S.C. 1701u (Section 3). The purpose of Section 3 is to ensure that employment and other economic opportunities generated by HUD assistance or HUD-assisted projects covered by Section 3, shall, to the greatest extent feasible, be directed to low-and-moderate income persons, particularly persons who are recipients of HUD assistance for housing.
- b. The parties to this contract agree to comply with HUD's regulations in 24 CFR part 135, which implement Section 3. The parties to this contract will certify that they are under no contractual or other impediment that would prevent them from complying with the part 135 regulations.
- c. The contractor agrees to send to each labor organization or representative of workers with which the contractor has a collective bargaining agreement or other understanding, if any, a notice advising the labor organization or workers' representative of the contractor's commitments under this Section 3 clause, and will post copies of the notice in conspicuous places at the work site where both employees and applicants for training and employment can see the notice.
  - The notice shall describe the Section 3 preference, shall set forth minimum number and job titles subject to hire, availability of apprenticeship and training positions, the qualifications for each; and the name and location of the person(s) taking applications for each of the positions; and the anticipated date the work shall begin.
- d. The contractor agrees to include this Section 3 clause in every subcontract subject to compliance with regulations in 24 CFR part 135, and agrees to take appropriate action, as provided in an applicable provision of the subcontract or in this Section 3 clause, upon a finding that the subcontractor is in violation of the regulations in 24 CFR part 135. The contractor will not subcontract with any subcontractor where the contractor has notice or knowledge that the subcontractor has been found in violation of the regulations in 24 CFR part 135.
- e. The contractor will certify that any vacant employment positions, including training positions, that are filled (1) after the contractor is selected but before the contract is executed, and (2) with persons other than those of whom the regulations of 24 CFR part 135 require employment opportunities to be directed, were not filled to circumvent the contractor's obligations under 24 CFR part 135.
- f. Noncompliance with HUD's regulations in 24 CFR part 135 may result in termination of this contract for default or suspension from future HUD assisted contracts.
- g. With respect to work performed in connection with Section 3 covered Indian housing assistance, Section 7(b) of the Indian Self-Determination and Education Assistance Act (25 U.S.C. 450e) also applies to the work to be performed under this contract. Section 7(b) requires that to the greatest extent feasible (i) preference and opportunities for training and employment shall be given to Indians, and (ii) preference in the award of contracts and subcontracts shall be given to Indian organizations and Indian-owned Economic Enterprises. Parties to this contract that are subject to the provisions of Section 3 and Section 7(b) agree to comply with Section 3 to the maximum extent feasible, but not in derogation of compliance with Section 7(b).

#### 138. NONSEGREGATED FACILITIES

The Contractor certifies that he does not maintain or provide for his employees any segregated facilities at any of his establishments, and that he does not permit his employees to perform their services at any location, under his control, where segregated facilities are maintained. The Contractor covenants that he will not maintain or provide for his employees any segregated facilities at any of his establishments, and that he will not permit his employees to perform their services at any location, under his control, where segregated facilities are maintained. As used in this paragraph the term "segregated facilities" means any waiting rooms, work areas, rest rooms and washrooms, restaurants and other eating areas, time clocks, locker rooms and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing facilities provided for employees which are segregated by explicit directive or are in fact segregated on the basis of race, creed, color, or national origin, because of habit, local custom, or otherwise. The Contractor agrees that prior to award of subcontracts exceeding \$10,000 which are not exempt from the provisions of the Equal Opportunity Clause, that he will retain such certifications in his files.

#### 139. INTEREST OF CERTAIN FEDERAL AND OTHER OFFICIALS

- No member of or delegate to the Congress of the United States and no Resident Commissioner shall be admitted to any share or part of this Contractor to any benefit to arise from same: Provided, that the foregoing provision of this section shall not be construed to extend to this Contract if made with a corporation for its general benefit.
- No member, officer, or employee of the Grantee, or its designees or agents, no member of the governing body of the locality in which the Project is located, and no other public official of such locality or localities who exercises any functions or responsibilities in connection with the Project during his tenure or for one year thereafter, shall have any interest, direct or indirect, in any Contract or Subcontract, or the proceeds thereof, for work to be performed under this Contract.
  - The Contractor will include the provisions of paragraphs (1) and (2) in every Subcontract so that such provisions will be binding upon each Subcontractor

#### 140. AMERICANS WITH DISABILITIES ACT

Title II of the Americans with Disabilities Act specifically requires that all newly constructed or altered streets, roads, highways, and pedestrian walkways must contain curb ramps or other sloped areas at any intersection having curbs or other barriers to entry from a street level or pedestrian walkway and that all newly constructed or altered street level pedestrian walkways must have curb ramps at intersections. Newly constructed or altered street level pedestrian walkways must contain curb ramps or other sloped areas at intersections to streets, roads, or highways [28 CFR 35.151(e)].

## GENERAL SPECIFICATIONS GENERAL CONDITIONS PART II

Attention of Bidders; the Contract Documents and the conditions of employment under the General Specifications General Provisions Part II has been removed as Davis Bacon Wages are not required for this contract. All workers must be paid no less than minimum wage for the State of Michigan.

## GENERAL SPECIFICATIONS SPECIAL CONDITIONS PART III

#### 301. PROJECT SITE

(The "Special Conditions" provide a flexible Division of the Contract Documents in which to place provisions which contain elements that vary from one project to another, and which cover situations peculiar to the Project involved. The conditions outlined may require modification to fit the local situation or it may be necessary to include additional provisions to amplify the Contract requirements.)

The Project Area consists of the property limit boundary of 328 S. Lafayette Street, Greenville, MI 48838.

#### **302. TIME FOR COMPLETION**

The work which the Contractor is required to perform under this Contract shall be commenced at the time stipulated by the Grantee/Local Public Agency in the Notice to Proceed to the Contractor and shall be fully completed within 270 consecutive calendar days thereafter.

#### 303. LIQUIDATED DAMAGES

As actual damages for any delay in completion of the work which the Contractor is required to perform under this contract are impossible of determination, the Contractor and his Sureties shall be liable for and shall pay to the Grantee/Local Public Agency the sum of One Hundred\_Dollars (\$100.00) as fixed, agreed and liquidated damages for each calendar day of delay from the above stipulated for completion, or as modified in accordance with Section 109 hereof, until such work is satisfactorily completed and accepted.

## 304. CONTRACTOR'S AND SUBCONTRACTOR'S PUBLIC LIABILITY, VEHICLE LIABILITY, AND PROPERTY DAMAGE INSURANCE

As required under Section 129 of the General Conditions the Contractor's Public Liability Insurance and Vehicle Liability Insurance shall be in an amount not less than \$2,000,000 for injuries, including accidental death, to any one person, and subject to the same limit for each person, in an amount not less than \$1,000,000 on account of one accident, and Contractor's Property Damage Insurance in an amount not less than \$1,000,000.

The Contractor shall either (1) require each of his subcontractors to procure and to maintain during the life of his subcontract, Subcontractor's Public Liability and Property Damage insurance of the type and in the same amounts as specified in the preceding paragraph, or (2) insure the activities of his subcontractors in his own policy.

#### 305. BUILDER'S RISK INSURANCE

As provided in the General Conditions, Section 129 (e), the Contractor will maintain Builder's Risk Insurance (fire and extended coverage) on a 100 percent completed value basis on the insurable portions of the project for the benefit of the Grantee/Local Public Agency, the Contractor, and all subcontractors, as their interests may appear.

#### 306. RESPONSIBILITIES OF CONTRACTOR

Except as otherwise specifically stated in the Contract Documents and Technical Specifications, the Contractor shall provide and pay for all materials, labor, tools, equipment, water, light, heat, power, transportation, superintendence, temporary construction of every nature, charges, levies, fees or other expenses and all other services and facilities of every nature whatsoever necessary for the performance of the Contract and to deliver all Improvements embraced in this Contract complete in every respect within the specified time.

#### 307. **COMMUNICATIONS**

- a. All notices, demands, requests, instructions, approvals, proposals, and claims must be in writing.
- b. Any notice to or demand upon the Contractor shall be sufficiently stated on the signature page of the Agreement (or at such other office as the Contractor may from time to time designate in writing to the Grantee/Local Public Agency), or if deposited in the United States mail in a sealed, postage-prepaid envelope, or delivered with charges prepaid to any telegraph company for transmission, in each case addressed to such office.
- c. All papers required to be delivered to the Grantee/Local Public Agency shall, unless otherwise specified in writing to the Contractor, be delivered to (Grantee contact name and address) and any notice to or demand upon the Grantee/Local Public Agency shall be sufficiently given if so delivered, or if deposited in the United States mail in a sealed, postage-prepaid envelope, or delivered with charges prepaid to any telegraph company for transmission to said Grantee/Local Public Agency at such address, or to such other representatives of the Grantee/Local Public Agency or to such other address as the Grantee/Local Public Agency may subsequently specify in writing to the Contractor for such purposes.
- d. Any such notice shall be deemed to have been given as of the time of actual delivery or (in the case of mailing) when the same should have been received in due course of post, or (in the case of telegrams) at the time of actual receipt, as the case may be.
- e. This section does not apply to decisions given pursuant to Section 113(b) of this Contract.

#### 308. **IOB OFFICES**

- a. The Contractor is not required to furnish and maintain, during construction of the Improvements embraced in this Contract, adequate facilities on the Project Area or adjacent thereto for the use of the Grantee/Local Public Agency and its Architects.
- b. The Contractor and his subcontractors may maintain such office and storage facilities on the Site as are necessary for the proper conduct of the work to be performed on the Site. The Local Public Agency shall be consulted with regard to locations.
- c. Upon completion of the Improvements, or as directed by the Local Public Agency, the Contractor shall remove all such temporary structures and facilities from the Site, same to become his property, and leave the Site of the work in the condition required by the Contract.
- d. Consideration should be given to the deletion of paragraph "a" if the time set for completion of the Improvements is less than sixty (60) days. It may also be deleted if a job office has been otherwise provided or usable space is available in existing buildings.

e. If a job office is required, specify in detail the facilities and services required, such as adequate office space, light, heat, hot and cold water, toilet facilities, janitor service, local telephone, closets, plan racks, etc.

#### 309. PARTIAL USE OF SITE IMPROVEMENTS

The Grantee/Local Public Agency, at its election, may give notice to the Contractor and place in use those sections of the Improvements which have been completed, inspected and can be accepted as complying with the Technical Specifications and if in its opinion, each such section is reasonably safe, fit, and convenient for the use and accommodation for which it was intended, provided;

- a. The use of such sections of the Improvements shall in no way impede the completion of the remainder of the work by the Contractor.
- b. The Contractor shall not be responsible for any damages or maintenance costs due directly to the use of such sections.
- c. The use of such sections shall in no way relieve the Contractor of his liability due to having used defective materials or to poor workmanship.
- d. The period of guarantee stipulated in the Section 132 hereof shall not begin to run until the date of the final acceptance of all work which the Contractor is required to construct under this Contract.

#### 310. CONTRACT DOCUMENTS AND DRAWINGS

The Grantee/Local Public Agency will furnish the Contractor without charge three (3) copies of the Contract Documents, including Technical Specifications and Drawings. Additional copies requested by the Contractor will be furnished at cost.

## **SCHEDULE OF DRAWINGS**

Sheet No.	Date	Sheet Title
		GENERAL
G 0.1	12/19/2022	TITLE SHEET, CODE DATA, PROJECT INFORMATION, DRAWING INDEX, & SITE PLAN
A O 1	12/10/2022	ARCHITECTURAL
A 0.1 A 0.2	12/19/2022 12/19/2022	LOWER FLOOR PLAN- DEMOLITION, FIRST FLOOR PLAN- DEMOLITION, DEMOLITION NOTES SECOND FLOOR PLAN- DEMOLITION, THIRDFLOOR PLAN- DEMOLITION, DEMOLITION NOTES
11 0.2	12/19/2022	SECOND LEGGREDIAN DEMOLITION, IMMOREBOOK LEIN DEMOLITION, DEMOLITION NOTES
A 1.1	12/19/2022	LOWER FLOOR PLAN, FIRST FLOOR PLAN, PLAN NOTES
A 1.2	12/19/2022	SECOND FLOOR PLAN, THIRD FLOOR PLAN, PLAN NOTES
A 4 4		INTERIOR ELEVATIONO
A 4.1	12/19/2022	INTERIOR ELEVATIONS
A 5.1	12/19/2022	CONSTRUCTION DETAILS
110.1	12/17/2022	00.01.001.01.21. <b>11.0</b> 2
A 6.1	12/19/2022	ROOM FINISH SCHEDULE, DOOR FINISH SCHEDULE, HARDWARE SCHEDULE
	4.0./4.0./0.000	MECHANICAL / PLUMBING
M 0.1	12/19/2022	MECHANICAL NOTES, SYMBOLS and DETAILS
M 2.1	12/19/2022	BASEMENT and FIRST FLOOR MECHANCIAL PLANS
M 2.1	12/19/2022	SECOND and THIRD FLOOR SANITARY PIPING PLANS
M 2.3	12/19/2022	SECOND and THIRD FLOOR PLUMBING PLANS
M 3.1	12/19/2022	SECOND and THIRD FLOOR HVAC PLANS
	,,	
		ELECTRICAL
E 0.1	12/19/2022	ELECTRICAL NOTES, SCHEDULES, SYMBOLS and DETAILS
E 2.1	12/19/2022	BASEMENT and FIRST FLOOR POWER PLANS
E 2.2	12/19/2022	SECOND and THIRD FLOOR ELECTRICAL PLANS

All Drawings (and technical specifications) for the Improvements embraced in the Contract which will be taken over and maintained by the Local Government for public use should be:

- 1. prepared in accordance with local standards and ordinances; and
- 2. approved in the designated head of the proper department of the Local Government, before being included in the Contract Documents.

### **TECHNICAL SPECIFICATIONS**

The Architect must prepare and attach to these Contract Documents, detailed Technical Specifications covering all items of work involved in the construction of the Improvements as planned. All Technical Specifications for utilities and other underground construction must contain appropriate Sections covering the recording of all necessary data and measurements required for the preparation of the "As-Built" Drawings as specified.

Technical Specification have been included within the Drawings to the greatest extent possible.

## **NOTICE OF AWARD**

To:		
Project Description:		
The OWNER has considered the BID submitted by Advertisement for Bids dated, and information for Bidders.	y you for the above describe	d WORK in response to its
You are hereby notified that our BID has been accept	ed for items in the amount of	
	Dollars (\$	)
You are required by the Information for Bidder CONTRACTOR'S Performance BOND, payment BOND from the date of the Notice to you.  If you fail to execute said Agreement and to furnish said OWNER will be entitled to consider all your rig abandoned and as a forfeiture of your BID BOND. To granted by law.	and certificates of insurance v said BONDS with ten (10) days thts arising out of the OWNER	vithin ten (10) calendar days from the date of this Notice, 'S acceptance of your BID as
You are required to return an acknowledged copy of	this NOTICE OF AWARD to the	OWNER.
Dated thisday of		
Own By: Title:	ner	
ACCEPTA	NCE OF NOTICE	
Receipt of the above NOTICE	OF AWARD is hereby acknowle	dged
By:day of By: Title:	_ <b>,</b>	

## **NOTICE TO PROCEED**

To:	Date:
	Project:
You are hereby notified to commence WORK in or before,, and you a thereafter. The date of completion of all WORK	a accordance with the Agreement dated,, on are to complete the WORK within 270 consecutive calendar days is therefore,
•	Owner
	By:
	Title:
ACCEPTANCE OF NOTICE  Receipt of the above NOTICE TO PROCEED  Is hereby acknowledged by	
This theday of	
By Title	

REPRODUCTION OF CONTRACT DOCUMENTS FOR CONSTRUCTION OF FEDERALLY ASSISTED WATER AND SEWER PROJECTS

## **CHANGE ORDER**

Date:	ge Order No
Agree	ement Date:
NAME OF PROJECT:	
	_
OWNER:	
CONTRACTOR:	
The following changes are hereby made to the CONTRACT DOO	CUMENTS:
Justification:	
Change to CONTRACT PRICE: \$	
Original CONTRACT PRICE: \$	
Current CONTRACT PRICE Adjusted by previous CHANGE ORI	DER: \$
The CONTRACT PRICE due to this CHANGE ORDER will be (inc \$	reased) (decreased) by:
The new CONTRACT PRICE including this CHANGE ORDER wi	ll be: \$
Change to CONTRACT TIME:	
The CONTRACT TIME will be (increased) (decreased) by	_calendar days.
The date for completion of all work will be	(Date).
Approvals Required:	
To be effective this order must be approved by the signatories	below.
Requested by:	
Recommended by:	
Ordered by:	
Accepted by:	

### **SECTION 3 PLAN FORMAT**

(Name of Contractor) agrees to implement the following specific affirmative action steps directed at increasing the utilization of lower-income residents and businesses located in Houghton, Michigan.

- a. To ascertain from the locality's CDBG program official the exact boundaries of the Section 3 covered project area and where advantageous, seek the assistance of local officials in preparing and implementing the affirmative action plan.
- b. To attempt to recruit from within the city the necessary number of lower income residents through: Local advertising media, signs placed at the proposed site for the project, and community organizations and public or private institutions operating within or serving the project area such as Service Employment and Redevelopment (SER), Opportunities Industrialization Center (OIC), Urban League, Concentrated Employment Program, Hometown Plan, or U.S. Employment Service.
- c. To maintain a list of all lower income area residents who have applied either on their own or on referral from any source, and to employ such persons, if otherwise eligible and if a vacancy exists.
- \*d. To insert this Section 3 plan in all bid documents, and to require all bidders on subcontracts to submit a Section 3 affirmative action plan including utilization goals and the specific steps planned to accomplish these goals.
- e. To formally contact unions, subcontractors and trade associations to secure their cooperation for this program.
- f. To insure that all appropriate project area business concerns are notified of pending sub contractual opportunities.
- g. To maintain records, including copies of correspondence, memoranda, etc., which document that all of the above affirmative action steps have been taken.
- h. To appoint or recruit an executive official of the company or agency as Equal Opportunity Officer to coordinate the implementation of this Section 3 plan.
- i. To list on Table A, information related to subcontracts.

<sup>\*</sup>Loans, grants, contracts and subsidies for less than \$100,000 will be exempt.

#### Section 3 Plan (cont'd)

j.	To list on Table B, level and number		workforce needs for all ph	nases of this project by	occupation, trade, skill
As off	ficers and representa	tives of	(Name o	 f Contractor)	
	ne undersigned have ementation of this pro	-	y agree to this Affirmativ	e Action Plan, and bed	come a party to the full
 Signa	ture	-			
 Title			Date		
Signa	ture	_			
	T	_ · `itle		 Date	

## PROPOSED SUBCONTRACTS BREAKDOWN - TABLE A

]	FOR THE PERIOD COV	VERING,	_ through	
	(Durat	ion of the CDBG-Assist	ted Project)	
COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4	COLUMN 5
TYPE OF CONTRACT (BUSINESS OR PROFESSION)	TOTAL NUMBER OF CONTRACTS	TOTAL APPROXIMATE DOLLAR AMOUNT	ESTIMATED NO. OF CONTRACTS TO PROJECT AREA BUSINESS	ESTIMATED DOLLAR AMOUNT TO PROJECT AREA
*Th	e Project Area is coex	tensive with the	bc	oundaries.
ompany				
roject Name		Project	Number	
	EEO Officer (Sign	 ature)	Da	te

## ESTIMATED PROJECT WORKFORCE BREAKDOWN - TABLE B

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4	COLUMN 5
COLUMNIA	COLUMN Z			
JOB CATEGORY	TOTAL EST.	NO. POSITIONS BY PERMANENT	NO. POSITIONS NOT CURRENTLY	NO. POSITIONS TO BE FILLED
JOD CATEGORT	POSITIONS	EMPLOYEES	OCCUPIED	WITH L.I.P.A.R. *
OFFICERS/SUPER		EMILOTELS	OCCOTED	WIIII L.I.I .A.IV.
PROFESSIONALS				
TECHNICIANS				
HOUSING				
SALES/RENTAL/				
MANAGEMENT				
OFFICE CLERICAL				
SERVICE				
OTHERS				
TRADE:				
JOURNEYMAN				
HELPERS				
APPRENTICES				
MAXIMUM NO.				
OTHERS				
TRADE:				
JOURNEYMAN				
HELPERS				
APPRENTICES				
MAXIMUM NO.				
OTHERS				
TRADE:				
JOURNEYMAN				
HELPERS				
APPRENTICES				
MAXIMUM NO.				
OTHERS				
TOTALS:				

*Lower Income Project Area residents.	
Individuals residing within the City of income in the SMSA.	whose family income does not exceed 80% of the median
COMPANY	

## **CERTIFICATION OF BIDDER REGARDING SECTION 3**

Name of Prime Contractor	Project Name and Number
The undersigned hereby certifies that:	
being notified of contract selection on (I obligations to provide employment opportunities; in	Name of Prime Contractor) since Date ) were not filled to circumvent the contractor's cluding training positions, for Section 3 residents, as pment Act of 1968 and the implementing regulations, 24
B. Select the scenario that applies:	
Employment Positions filled since	
Date of Selection	
<u></u>	
☐ No employment positions have been filled since	
Date	e of Selection
Name & Title of Signer (Print or Type)	
Signature	Date
NOTICE: This Certification must be made BEFORE control	ract execution (24 CFR 135 135.38(e)).

# U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT CERTIFICATION BY PROPOSED SUBCONTRACTOR REGARDING EQUAL EMPLOYMENT OPPORTUNITY

PROJECT NUMBER

INSTRUCTIONS
This certification is required pursuant to Executive Order 11246 (30 F.R. 12319-25). The implementing rule and regulations provide that any bidder or prospective contractor, or any of their proposed subcontractors, sha state as an initial part of the bid or negotiations of the contract whether it has participated in any previous contract or subcontract subject to the equal opportunity clause; and, if so, whether it has filed all compliance reports due under applicable instructions.
Where the certification indicates that the subcontractor has not filed a compliance report due under applicable instructions, such subcontractor shall be required to submit a compliance report before the SSMMA approve the subcontract or permits work to begin under the subcontract.
SUBCONTACTOR'S CERTIFICATION
NAME AND ADDRESS OF SUBCONTRACTOR (Include ZIP Code)
1. Bidder has participated in a previous contract or subcontract subject to the Equal Opportunity Clause.  2 Yes 2 No
2. Compliance reports were required to be filed in connection with such contract or subcontract.  2 Yes 2 No
3. Bidder has filed all compliance reports due under applicable instructions, including SF-100.  2 Yes 2 No
4. Have you ever been or are you being considered for sanction due to violation of Executive Order 11246 as amended?  2 Yes 2 No
NAME AND TITLE OF SIGNER (Please type)
SIGNATURE DATE

NAME OF PRIME CONTRACTOR

## **SECTION 3 BUSINESS SELF-CERTIFICATION**

BASIC INFORMATION 1. Company Name:					
2. Company Address:					
City	State	Zip		County	
3. Telephone Number:	Fax N	lumber:	Email	address:	
4. Contractor's License: Class	s Па Пв	□C □N/	A License Numb	er:	
5. Business License #		Federal Empl	oyment ID #		
6. Type of Business:					
Please check "Yes" or "No". I company as a Section 3 Busin  1. 51% or more of your busin  Yes No  2. At least 30% of your full till years of the date of first empty yes No  3. You can provide evidence, subcontracts to be awarded Yes No  Attach list of subcontracted in	ness Enterprise.  ness is owned by a Seme employees included by the bolloyment with the bollowent with the boll	ection 3 resident de persons that usiness concern mmitment to su s that meet the	es*; or are currently Sect were Section 3 re bcontract in exces	ion 3 residents*, or sidents; or ss of 25% of the doll	within three ar award of all
<b>VERIFICATION</b> - The compan on this form.	y hereby agrees to p	rovide, upon red	uest, documents	verifying the inform	ation provided
I declare and affirm under p my knowledge. I understand status.	•				
Signature of Business Owner	or Authorized Repr	esentative:			
Signature: Date:					
Attested by: Date:			_		
*Section 3 resident is: 1) a p metropolitan area or Non-m	_		•	•	

## RESIDENT SECTION 3 EMPLOYMENT OPPORTUNITY DATA

#### **ELIGIBILITY FOR SECTION 3 PREFERENCE**

A low- or very low-income resident seeking the preference in training and employment provided by Section 3 of the Housing and Urban Development Act of 1968 shall certify that his or her income meets the income eligibility requirements set forth below.

Self Cert	cification for Resident Seeking Section 3 Preference in Training & Employment	
I,	am a legal resident of	
and meet the incom	me eligibility guidelines for low- or very-low-income person below.	
My permanent address is:		
Signature	Date	
Print Name		

#### **SECTION 3 INCOME LIMITS\***

Number in Household	Varra I arra Imagema	I ozu Imaama						
can also qualify for Section 3 status.								
individuals residing in the City/	County of who meet	the income limits set forth below,						
All residents of public housing developments qualify as Section 3 residents. Additionally,								

Number in Household	Very Low Income	Low Income
1 individual	\$	\$
2 individuals	\$	\$
3 individuals	\$	\$
4 individuals	\$	\$
5 individuals	\$	\$
6 individuals	\$	\$
7 individuals	\$	\$
8 individuals	\$	\$

<sup>\*</sup>Income Limits by household size will vary by county location of project.

# MEDC GRANTS ADMINISTRATION COMMUNITY DEVELOPOMENT BLOCK GRANT PROGRAM

#### **CONTRACT SPECIAL PROVISIONS**

The following CDBG Contract Special Provisions should be used with all construction contracts, and professional service contracts, where CDBG funds are being used in whole or in part.

#### CONTRACT SPECIAL PROVISIONS

- 1. <u>Definitions:</u> For purposes of this Contract, the following terms shall have the meanings set forth below:
  - (a) <u>"Assistance"</u> means the CDBG grant funds provided, or to be provided, to the Grantee by the State, pursuant to the Grant Award Agreement.
  - (b) "CDBG" means Community Development Block Grant.
  - (c) <u>"Contract"</u> means the contractual agreement between the Owner and the Contractor to which these Contract Special Provisions have been incorporated and made a part thereof.
  - (d) <u>"Contractor"</u> means the contractor whose services are retained pursuant to the Contract.
  - (e) <u>"Grantee"</u> means the unit of local government designated as the recipient of the Assistance in the Grant Award and signing the acceptance provision of the Grant Award.
  - (f) <u>"HUD"</u> means U.S. Department of Housing and Urban Development, which is the federal agency that awards and has authority over CDBG funding to the State.
  - (g) "Owner" means the Grantee or Subrecipient, as applicable.
  - (h) <u>"Project"</u> means the project for which the services of the Contractor have been retained pursuant to the Contract which are funded, in whole or in part, with CDBG funds.
  - (i) <u>"State"</u> means the State of Michigan, or that agency, agency division, or Office of State government which has been delegated the responsibility for administering the CDBG program for the State of Michigan, as appropriate.
  - (k) <u>"Labor Surplus Area"</u> means a civil jurisdiction that has an unemployment rate at least 20% above the average unemployment rate for all states, the District of Columbia, and Puerto Rico during the previous two calendar years. The Department of Labor issues the labor surplus area list on a fiscal year basis.
- 2. Prime Contractor Responsibilities: The Contractor is required to assume sole responsibility for the complete effort and enforcement of laws and regulations under this Contract. The Owner will consider the Contractor to be the sole point of contact with regard to contractual matters. All contractors, including subcontractors must be registered in SAM and eligible to receive federal contracts.
- 3. <u>Federal and State Laws:</u> The Contractor agrees to comply with all CDBG requirements as well as other federal and state laws, regulations, or Executive Orders. The State reserves the right to add or delete terms and conditions of this Contract as may be required by revisions and additions or changes in the requirements, regulations, and laws governing the CDBG Program.

- 4. **Procurement and Contracting:** In accordance with 2 CFR Part 200, the cost plus a percentage of cost and percentage of construction cost methods of contracting shall not be used. This provision shall supersede any conflicting provision in an executed contract document or agreement funded in whole or in part with CDBG funds.
- 5. **Ownership:** Ownership of all real or personal property, acquired in whole or in part with CDBG funds for use on this Project, shall be vested in the Grantee, unless otherwise authorized by the State. When the Grantee determines that the property is no longer required for the purposes of this Project, the Grantee must notify the State and obtain approval for disposition of the property in accordance with applicable guidelines.
- 6. **Copyright:** Except as otherwise provided in the terms and conditions of this Contract, the Contractor paid through this Contract is free to copyright any books, publications or other copyrightable materials developed in the course of the Project and under this Contract. However, HUD and the State reserve a royalty-free, non-exclusive and irrevocable license to reproduce, publish or otherwise use and to authorize others to use, for Federal government and State purposes:
  - (a) the copyright in any work developed under this Contract; and
  - (b) any rights of copyright to which a subcontractor purchases ownership with grant support.

The Federal government's rights and the State's rights identified above must be conveyed to the publisher and the language of the publisher's release form must insure the preservation of these rights.

- 7. Reporting Requirements: The Contractor agrees to complete and submit all reports, in such form and according to such schedule, as may be required by the State or HUD. Further, the Contractor agrees to require any subcontractors to submit reports that may be required and to incorporate such language in its agreements. Failure to meet deadlines with the required information could result in sanctions.
- 8. <u>Access to Records:</u> All records with respect to all matters covered by this Contract shall be made available at any time for audit and inspection by HUD, the State or the Grantee or their representatives upon their request.
- 9. Maintenance of Records: Records for non-expendable property purchased totally or partially with Federal funds must be retained for five years after final close-out of the grant. All other pertinent contract records including financial records, supporting documents and statistical records shall be retained for a minimum of five years after the final close-out report. However, if any litigation, claim, or audit is started before the expiration of the five-year period, then records must be retained for five years after the litigation, claim or audit is resolved.
- 10. <u>Confidential Information:</u> Any reports, information, data, etc., given to, prepared by, or assembled by the Contractor under this Contract, which the Grantee or the State requests to be kept confidential, shall not be made available to any individual or organization by the Contractor without prior written approval of the Grantee or the State, as applicable.

- 11. <u>Reporting of Fraudulent Activity:</u> If at any time during the term of this Contract anyone has reason to believe by whatever means that, under this or any other program administered by the State, a recipient of funds has improperly or fraudulently applied for or received benefits, monies or services pursuant to this Contract or any other contract, such information shall be reported immediately to the appropriate authorities.
- 12. <u>Political Activity:</u> None of the funds, materials, property or services provided directly or indirectly under this Contract shall be used for any partisan political activity, or to further the election or defeat of any candidate for public office or otherwise.
- 13. <u>Conflicts of Interest and Ethical Standards:</u> The following provisions regarding "conflicts of interest" apply to the use and expenditure of CDBG funds by the Grantee and its subrecipients, including the Contractor.

In the procurement of supplies, equipment, construction and services, the more restrictive conflict of interest provisions of the State of Michigan Ethics laws, or of the Contractor shall apply.

In cases not governed by the above, such as the acquisition and disposition of real property and the provision of CDBG assistance to individuals, businesses and other private entities, the following provisions shall apply.

Except for eligible administrative or personnel costs, the general rule is that no person who is an employee, agent, consultant, officer, or elected or appointed official of the State or a unit of general local government or any designated public agencies or subrecipient which are receiving CDBG funds who exercise or have exercised any function or responsibilities with respect to CDBG activities assisted herein or are in a position to participate in a decision making process or gain inside information with regard to such activities, may obtain a financial interest or benefit from the activity, or have an interest in any contract, subcontract or agreement with respect thereto, or the proceeds thereunder either for themselves or those with whom they have family or business ties during their tenure or for one year thereafter. Exceptions may be granted by the State on a case by case basis as requested upon full disclosure in writing.

Should any governmental entity, contractor, subcontractor, employee or official know or perceive any breach of ethical standards or conflict of interest under the CDBG grant awarded to the Grantee or any other CDBG grant, they shall immediately notify in writing the MEDC. If the State finds any circumstances that may give rise to a breach of ethical standards or conflict of interest, under any grant, they shall notify the participating governmental entity and the State Ethics Commission as appropriate. The State may undertake any administrative remedies it deems appropriate, where there is a breach of ethical standards or conflict of interest under the regulations governing the CDBG Program and the State policies.

14. <u>Applicable Law:</u> In addition to the applicable Federal laws and regulations, this Contract is also made under and shall be construed in accordance with the laws of the State. By execution of this Contract, the Contractor agrees to submit to the jurisdiction of the State for all matters arising or to arise hereunder, including but not limited to performance of said Contract and payment of all licenses and taxes of whatever kind or nature applicable hereto.

- 15. <u>Limitation of Liability:</u> The Contractor will not assert in any legal action by claim or defense, or take the position in any administrative or legal procedures that he is an agent or employee of the Owner. This provision is not applicable to contracts for CDBG administration services where the Contractor is a Council of Government. The State shall not be liable for failure on the part of the Grantee or any other party to perform all work in accordance with all applicable laws and regulations. The Grantee agrees to defend, indemnify, and hold harmless the State from and against all claims, demands, judgments, damages, actions, causes of actions, injuries, administrative orders, consent agreement and orders, liabilities, penalties, costs, and expenses of any kind whatsoever, including, without limitation, claims arising out of loss of life, injury to persons, property, or business or damage to natural resources in connection with the activities of the Grantee and any other third parties in a contractual relationship with the Grantee, or a subsidiary, whether or not occasioned wholly or in part by any condition, accident, or event caused by any act or omission of the State as a result of the Assistance.
- 16. <u>Legal Services:</u> No attorney-at-law shall be engaged through the use of any funds provided under this Contract in any legal action or proceeding against the State, the Grantee, any local public body or any political subdivision.
- 17. **Contract:** If any provision in this Contract shall be held to be invalid or unenforceable, the remaining portions shall remain in effect. In the event such invalid or unenforceable provision is considered an essential element of this Contract, the parties shall promptly negotiate a replacement provision, which addresses the intent of such provision.
- 18. <u>Amendments:</u> Any changes to this Contract affecting the scope of work of the Project must be approved, in writing, by the Owner and the Contractor and shall be incorporated in writing into this Contract. Any amendments of the original contract must have written approval by the State prior to execution.
- 19. <u>Termination for Convenience</u>: This Contract may be terminated for convenience in accordance with 2 CFR Part 200.
- 20. <u>Sanctions:</u> If the Contractor fails or refuses to comply with the provisions set forth herein, the State or Owner may take any or all of the following actions: cancel, terminate or suspend in whole or in any part the contract, or refrain from extending any further funds to the Contractor until such time as the Contractor is in full compliance.
- 21. <u>Subcontracting:</u> If any part of the work covered by this Contract is to be subcontracted, the Contractor shall identify the subcontracting organization and the contractual arrangements made therewith to the Owner and to the State. All subcontracts must be approved by the Owner and the State to insure they are not debarred or suspended by the Federal or State governments and to insure the Owner and the State understand the arrangements.
- 22. <u>Subcontracting with Small and Minority Firms, Women's Business Enterprise and Labor Surplus Areas:</u> It is national policy to award a fair share of contracts to disadvantaged business enterprises (DBEs), small business enterprises (SBEs), minority business enterprises (MBEs) and women's business enterprises(WBEs). Accordingly, affirmative steps must be taken to assure that DBEs, SBEs, MBEs and WBEs are utilized when possible as sources of supplies, equipment, construction and services. Affirmative steps shall include the following:

- (a) Including qualified DBEs, SBEs, MBEs and WBEs on solicitation lists;
- (b) Assuring that DBEs, SBEs, MBEs and WBEs are solicited whenever they are potential sources;
- (c) Whenever economically feasible, dividing total requirements into smaller tasks or quantities so as to permit maximum participation by DBEs, SBEs, MBEs and WBEs;
- (d) Where the requirement permits, establishing delivery schedules which will encourage participation by DBEs, SBEs, MBEs and WBEs;
- (e) Using the services and assistance of the Small Business Administration, Minority Business Development Agency, the State Office of Small and Minority Business Assistance, the U.S. Department of Commerce and the Community Services Administration as required; and
- (f) Requiring the subcontractor, if any, to take the affirmative actions outlined in (1) (5) above.
- 23. <u>Debarment Certification:</u> The Contractor must comply with Executive Orders 12549 and 12689 regarding Federal debarment and suspension regulations prior to entering into a financial agreement for any transaction as outlined below.
  - (a) Any procurement contract for goods and services, regardless of type, expected to equal or exceed the Federal procurement small purchase threshold (which is \$250,000 and is cumulative amount from all federal funding sources).
  - (b) Any procurement contract for goods and services, regardless of amount, under which the Contractor will have a critical influence on or substantive control over the transaction.

In addition, no contract may be awarded to any contractors who are ineligible to receive contracts under any applicable regulations of the State.

24. **Equal Employment Opportunity:** The Contractor will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the State.

In carrying out the Project, the Contractor shall not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin. The Contractor must take affirmative action to insure that applicants for employment are employed, and that employees are treated during employment, without regard to their race, color, religion, sex, or national origin. Such action shall include, but not be limited to, the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The Contractor shall post in conspicuous places, available to employees and applicants for employment, notices to be provided by the State setting forth the provisions of this non-discrimination clause. The Contractor shall state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, or national origin. The Contractor will, in all solicitations or advertisements for employees by or on behalf of the Contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, or national origin. The Contractor shall incorporate the foregoing requirements of this paragraph in all of its subcontracts for

the Project unless exempted by rules, regulations, or orders of the State issued pursuant to section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor.

The Contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice to be provided by the State advising the said labor union or workers' representatives of the Contractor's commitment under this Section and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

The Contractor will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by the rules, regulations, and orders of the State, or pursuant thereto, and will permit access to its books, records, and accounts by HUD and the State for purposes of investigation to ascertain compliance with such rules, regulations, and orders.

In the event of the Contractor's noncompliance with the non-discrimination clauses of this Contract or with any of such rules, regulations, or orders, this Contract may be canceled, terminated or suspended in whole or in part and the Contractor may be declared ineligible for further State government contracts or federally assisted construction contract procedures authorized in Executive Order 11246 of September 24, 1965, or by rules, regulations, or orders of the State, or as otherwise provided by law.

- 25. <u>Age Discrimination:</u> In accordance with 45 CFR, Parts 90 and 91, the Contractor agrees there shall be no bias or age discrimination as to benefits and participation under this Contract.
- 26. Section 109 of the Housing and Community Development Act of 1974: No person in the United States shall on the grounds of race, color, national origin or sex be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity funded in whole or in part with funds made available under the CDBG program of the State.
- 27. Section 504 of the Rehabilitation Act of 1973, as amended: The Contractor agrees that no otherwise qualified individual with disabilities shall, solely by reason of his disability, be denied the benefits, or be subjected to discrimination including discrimination in employment, any program or activity that receives the benefits from the Assistance.
- 28. Section 3, Compliance and Provision of Training, Employment and Business Opportunities: The work to be performed under this Contract is subject to the requirements of Section 3 of the Housing and Urban Development Act of 1968, as amended, (12 USC § 1701u). The purpose of Section 3 is to ensure that employment and other economic opportunities generated by HUD assistance or HUD-assisted projects covered by Section 3 shall, to the greatest extent feasible be directed to low and very low-income persons, particularly persons who are recipients of HUD assistance for housing.

The parties to this said Contract agree to comply with HUD's regulations in 24 CFR Part 135, which implement Section 3. As evidenced by their execution of this Contract, the parties to this Contract certify that they are under no contractual or other impediment that would prevent them from complying with the 24 CFR Part 135 regulations.

The contractor agrees to send to each labor organization or representative of workers with which the Contractor has a collective bargaining agreement or other understanding, if any, a notice advising the organization or workers' representative of the contractor's commitments under this Section 3 clause, and will post copies of the notice in conspicuous places at the work site where both employees and applicants for training and employment positions can see the notice. The notice shall describe the Section 3 preference, shall set forth minimum number and job titles subject to hire, availability of apprenticeship and training positions; the qualifications for each; and the name and location of person(s) taking applications for each of the positions; and the anticipated date the work shall begin. The Contractor agrees to include this Section 3 clause in every subcontract subject to compliance with regulations in 24 CFR Part 135, and agrees to take appropriate action, as provided in an applicable provision of the subcontract or in this Section 3 clause, upon a finding that the subcontractor is in violation of the regulations in 24 CFR Part 135. The Contractor will not subcontract with any subcontractor where the Contractor has notice or knowledge that the subcontractor has been found in violation of the regulations in 24 CFR Part 135.

The Contractor will certify that any vacant employment positions including training positions, that are filled (1) after the Contractor is selected but before this Contract has been executed, and (2) with persons other than those to whom the regulations of 24 CFR Part 135 require employment opportunities to be directed, were not filled to circumvent the Contractor's obligations under 24 CFR Part 135.

The Contractor agrees to submit such reports as required to document compliance with 24 CFR Part 135. Noncompliance with the regulations in 24 CFR Part 135 may result in sanctions, termination of this Contract for default, and debarment or suspension from future HUD assisted contracts.

- 29. <u>Lead-Based Paint:</u> The construction or rehabilitation of residential structures with any portion of the Assistance is subject to the HUD Lead-Based Paint regulations found at 24 CFR Part 35. Any grants or loans made by the Grantee for the rehabilitation of residential structures with any portion of the Assistance shall be made subject to the provisions for the elimination of lead-based paint hazards under subpart B of said regulations, and the Grantee shall be responsible for the inspections and certifications required under Section 35.14(f) thereof.
- 30. <u>Compliance with Air and Water Acts:</u> (Applicable to construction contracts and related subcontracts exceeding \$100,000) This Contract is subject to the requirements of the Clean Air Act, as amended, 42 USC § 7401 et seq., the Federal Water Pollution Control Act (Clean Water Act), as amended, 33 USC § 1251 et seq., and the regulations of the Environmental Protection Agency with respect to 40 CFR Part 15, as amended from time to time. In particular, the following are required:
  - (a) A stipulation by the Contractor or subcontractor that any facility to be utilized in the performance of any nonexempt contract or subcontract is not listed on the List of Violating Facilities, issued by the Environmental Protection Agency (EPA) pursuant to 40 CFR § 15.20.
  - (b) Agreement by the Contractor to comply with all the requirements of Section 114 of the Clean Air Act, as amended (42 USC § 7414) and Section 308 of the Federal Water Pollution Control Act, as amended (33 USC § 1318) relating to inspection, monitoring, entry, reports and information, as well as all other requirements specified in said Sections 114 and 308, and all regulations and guidelines issued thereunder.

- (c) A stipulation that as a condition of award of contract prompt notice will be given of any notification received from the Director, Office of Federal Activities, EPA, indicating that a facility utilized or to be utilized for the contract under consideration is to be listed on the EPA list of Violating Facilities.
- (d) Agreement by the Contractor that the Contractor will include or cause to be included the criteria and requirements in these subparagraphs (1) through (4), in every nonexempt subcontract and requiring that the Contractor will take such action as the State may direct as a means of enforcing such provisions.

In no event shall any amount of the Assistance be utilized with respect to a facility which has given rise to a conviction under section 113(c)(1) of the Clean Air Act or Section 309(c) of the Federal Water Pollution Control Act.

31. <u>Federal Labor Standards Provisions:</u> (Applicable only to construction contracts in excess of \$2,000 or residential rehabilitation contracts involving more than eight units)

The Project or program to which the construction work covered by this Contract pertains is being assisted by the United States of America and the Federal Labor Standards Provisions as set forth on are included in this Contract pursuant to the provisions applicable to such Federal assistance. These provisions must be complied with or sanctions will be instituted.

## VERIFICATION OF CONTRACTOR'S BONDING AND INSURANCE

The CDBG Contract:								
Grantee Name								
CDBG Contract #								
Information regarding prime contractor's bonding entities:								
Name of Contractor								
Name of Insurance Agent								
Agent's Company Name								
Name of Surety Company								
Location (Domicile)								
U.S. Department of the Treasury: <a href="https://www.fms.treas.gov/c570">www.fms.treas.gov/c570</a> or telephone at (202) 874-6850								
Does the above listed surety company's name appear in the U. S.  Department of the Treasury's listing of approved sureties having a license to do business in Michigan? (Circular 570)YesNo								
With internet verification, print the page that lists the surety company and attach it to this form. With telephone verification, list the name of the person you spoke to and the date below:								
Name Date								
Michigan Department of State: <a href="https://www.michigan.gov/lara">www.michigan.gov/lara</a>								
Does the above listed surety company's name appear on the list of insurance companies which are licensed to do busine in Michigan?	SS							
With internet verification, print the page that lists the surety company and attach it to this form. With telephone verification, list the name of the person you spoke to and the date below:								
Name Date								
Bond(s) Cleared? Yes No By								
Date								

#### U.S. Department of Housing and Urban Development

Public Reporting Burden for this collection of information is estimated to average .50 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. This information is voluntary. HUD may not collect this information, and you are not required to complete this form, unless it displays a currently valid OMB Control Number.

Executive Order 12421 dated July 14, 1983, directs the Minority Business Development Plans shall be developed by each Federal Agency and that these annual plans shall establish minority business development objectives. The information is used by HUD to monitor and evaluate MBE activities against the total program activity and the designated minority business enterprise (MBE) goals. The Department requires the information to provide guidance and oversight for programs for the development of minority business enterprise concerning Minority Business Development. If the information is not collected HUD would not be able to establish meaningful MBE goals nor evaluate MBE performance against these goals.

While no assurances of confidentiality is pledged to respondents, HUD generally discloses this data only in response to a Freedom of Information request.

OMB Approval No.: 2535-0117 (exp. 1/31/2013)

**Privacy Act Notice** - The United States Department of Housing and Urban Development, Federal Housing Administration, is authorized to solicit the information requested in this form by virtue of Title 12, United States Code, Section 1701 et seq., and regulations promulgated thereunder at Title 12, Code of Federal Regulations. It will not be disclosed or released outside the United States Department of Housing and Urban Development without your consent, except as required or permitted by law.

Grantee/Project Owner/Dev	eloper/Sponsor/Builder/Agen	су					Check if: PHA IHA		2. Location (City, State, ZIP Co	ode)				
3a. Name of Contact Person			3b. Pl	none Numbe	er (Including Area Co	de)	Reporting Per		ept. 30 (Annual-FY)	Program Code (Not applicable for CPD programs.)     See explanation of codes at bottom of page.     Use a separate sheet for each program code.		6. Date Submit	ed to Field Of	fice
Grant/Project Numb HUD Case Numbe other identification of p subdivision, dwelling	er or Contro property, or Subco	act Trade	Business		Prime Contractor Identification (ID) Number	Sec.	Subcontractor Identification (ID) Number	Sec.		Contractor/Subcontractor Name and 7j.	Address			
7a.	7b.	below		No) 7e.	<b>7</b> f.	7g.	7h.	7i.	Name	Street	City		State	Zip Code
74.	10.	70.	74.	76.	71.	79.	711.	71.						
-														
CPD: 1 = New Construction 2 = Education/Training 3 = Other	7c: Type of Trade Coc Housing/Public Housin 1 = New Construction 2 = Substantial Rehab. 3 = Repair 4 = Service	ng: 6 = Professi 7 = Tenant 8 = Educatio	Services	ı		1		F c e t	o S Pr J J O O	angt.		0 = Other		
Previous editions are obso			J J. : 4-13-04.						*1				form <b>HUI</b>	<b>D-2516</b> (8/98)

### 7d: Racial/Ethnic Codes:

1 = White Americans

2 = Black Americans

3 = Native Americans

4 = Hispanic Americans

5 = Asian/Pacific Americans

6 = Hasidic Jews

**5: Program Codes** (Complete for Housing and Public and Indian Housing programs only):

1 = All insured, including Section 8

5 = Section 202

2 = Flexible Subsidy

6 = HUD-Held (Management) 3 = Section 8 Noninsured, Non-HFDA 7 =

Public/Indian Housing

4 = Insured (Management

form HUD-2516 (8/98) Previous editions are obsolete.

This report is to be completed by grantees, developers, sponsors, builders, agencies, and/or project owners for reporting contract and subcontract activities of \$10,000 or more under the following programs: Community Development Block Grants (entitlement and small cities); Urban Development Action Grants; Housing Development Grants; Multifamily Insured and Noninsured; Public and Indian Housing Authorities; and contracts entered into by recipients of CDBG rehabilitation assistance.

Contracts/subcontracts of less than \$10,000 need be reported only if such contracts represent a significant portion of your total contracting activity. Include only contracts executed during this reporting period.

This form has been modified to capture Section 3 contract data in columns 7g and 7i. Section 3 requires that the employment and other economic opportunities generated by HUD financial assistance for housing and community development programs shall, to the greatest extent feasible, be directed toward low- and very low-income persons, particularly those who are recipients of government assistance for housing. Recipients using this form to report Section 3 contract data must also use Part I of form HUD-60002 to report employment and training opportunities data. Form HUD-2516 is to be

completed for public and Indian housing and most community development programs. Form HUD-60002 is to be completed by all other HUD programs including State administered community development programs covered under Section 3.

A Section 3 contractor/subcontractor is a business concern that provides economic opportunities to low- and very low-income residents of the metropolitan area (or nonmetropolitan county), including a business concern that is 51 percent or more owned by low- or very low-income residents; employs a substantial number of low- or very low-income residents; or provides subcontracting or business development opportunities to businesses owned by low- or very low-income residents. Low- and very low-income residents include participants in Youthbuild programs established under Subtitle D of Title IV of the Cranston-Gonzalez National Affordable Housing Act.

The terms "low-income persons" and "very low-income persons" have the same meanings given the terms in section 3(b)(2) of the United States Housing Act of 1937. Low-income persons mean families (including single persons) whose incomes do not exceed 80 per centum of the median income for the area, as determined by the Secretary, with adjustments for smaller and larger families, except that the Secretary

may establish income ceilings higher or lower than 80 per centum of the median for the area on the basis of the Secretary's findings that such variations are necessary because of prevailing levels of construction costs or unusually high or low-income families. Very low-income persons means low-income families (including single persons) whose incomes do not exceed 50 per centum of the median family income for the area, as determined by the Secretary with adjustments for smaller and larger families, except that the Secretary may establish income ceilings higher or lower than 50 per centum of the median for the area on the basis of the Secretary's findings that such variations are necessary because of unusually high or low family incomes.

Submit two (2) copies of this report to your local HUD Office within ten (10) days after the end of the reporting period you checked in item 4 on the front.

Complete item 7h. only once for each contractor/subcontractor on each semi-annual report.

Enter the prime contractor's ID in item 7f. for all contracts and subcontracts. Include only contracts executed during this reporting period. PHAs/IHAs are to report all contracts/subcontracts

### **Community Development Programs**

- 1. Grantee: Enter the name of the unit of government submitting this report.
- **3. Contact Person:** Enter name and phone of person responsible for maintaining and submitting contract/subcontract data.
- **7a. Grant Number:** Enter the HUD Community Development Block Grant Identification Number (with dashes). For example: B-32-MC-25-0034. For Entitlement Programs and Small City multi-year comprehensive programs, enter the latest approved grant number.
- **7b.** Amount of Contract/Subcontract: Enter the dollar amount rounded to the nearest dollar. If subcontractor ID number is provided in 7f, the dollar figure would be for the subcontract only and not for the prime contract.
- **7c. Type of Trade:** Enter the numeric codes which best indicates the contractor's/ subcontractor's service. If subcontractor ID number is provided in 7f., the type of trade code would be for the subcontractor only and not for the prime contractor. The "other" category includes supply, professional services and all other activities except construction and education/training activities.
- **7d.** Business Racial/Ethnic/Gender Code: Enter the numeric code which indicates the racial/ethnic /gender character of the owner(s) and controller(s) of 51% of the business. When 51% or more is not owned and controlled by any single racial/ethnic/gender category, enter the code which seems most appropriate. If the subcontractor ID number is provided, the code would apply to the subcontractor and not to the prime contractor.
- 7e. Woman Owned Business: Enter Yes or No.
- **7f.** Contractor Identification (ID) Number: Enter the Employer (IRS) Number of the Prime Contractor as the unique identifier for prime recipient of HUD funds. Note that the Employer (IRS) Number must be provided for each contract/subcontract awarded.
- 7g. Section 3 Contractor: Enter Yes or No.
- **7h.** Subcontractor Identification (ID) Number: Enter the Employer (IRS) Number of the subcontractor as the unique identifier for each subcontract awarded from HUD funds. When the subcontractor ID Number is provided, the respective Prime Contractor ID Number must also be provided.
- 7i. Section 3 Contractor: Enter Yes or No.

firm receiving contract/subcontract activity only one time on each report for each firm.

### **Multifamily Housing Programs**

- Grantee/Project Owner: Enter the name of the unit of government, agency or mortgagor entity submitting this report.
- 3. Contact Person: Same as item 3 under CPD Programs.
- 4. Reporting Period: Check only one period.
- 5. **Program Code:** Enter the appropriate program code.
- **7a. Grant/Project Number:** Enter the HUD Project Number or Housing Development Grant or number assigned.
- 7b. Amount of Contract/Subcontract: Same as item 7b. under CPD Programs.
- 7c. Type of Trade: Same as item 7c. under CPD Programs.
- 7d. Business Racial/Ethnic/Gender Code: Same as item 7d. under CPD Programs.
- 7e. Woman Owned Business: Enter Yes or No.
- 7f. Contractor Identification (ID) Number: Same as item 7f. under CPD Programs.
- 7g. Section 3 Contractor: Enter Yes or No.
- 7h. Subcontractor Identification (ID) Number: Same as item 7h. under CPD Programs.
- 7i. Section 3 Contractor: Enter Yes or No.
- 7j. Contractor/Subcontractor Name and Address: Same as item 7j. under CPD Programs.

### **Public Housing and Indian Housing Programs**

PHAs/IHAs are to report all contracts/subcontracts. Include only contracts executed during this reporting period.

- Project Owner: Enter the name of the unit of government, agency or mortgagor entity submitting this report. Check box as appropriate.
- 3. Contact Person: Same as item 3 under CPD Programs.
- 4. Reporting Period: Check only one period.
- 5. Program Code: Enter the appropriate program code.
- **7a. Grant/Project Number:** Enter the HUD Project Number or Housing Development Grant or number assigned.
- 7b. Amount of Contract/Subcontract: Same as item 7b. under CPD Programs.
- 7c. Type of Trade: Same as item 7c. under CPD Programs.
- 7d. Business Racial/Ethnic/Gender Code: Same as item 7d. under CPD Programs.
- 7e. Woman Owned Business: Enter Yes or No.
- **7f. Contractor Identification (ID) Number:** Same as item 7f. under CPD Programs.
- 7g. Section 3 Contractor: Enter Yes or No.
- **7h.** Subcontractor Identification (ID) Number: Same as item 7h. under CPD Programs.
- 7i. Section 3 Contractor: Enter Yes or No.
- 7j. Contractor/Subcontractor Name and Address: Same as item 7j. under CPD Programs.

Previous editions are obsolete.

7j. Contractor/Subcontractor Name and Address: Enter this information for each

Previous editions are obsolete.

### **SECTION 3 CONTRACTOR PLAN**

(Contractor) agrees to implement affirmative steps to comply with the Section 3 requirements set forth at 24 CFR 75 directed at increasing the utilization of lower income residents and businesses within the **City/County/Township/Village** of

- A. To implement Section 3 requirements by seeking the assistance of local officials in determining the exact boundaries of the applicable project area.
- B. To attempt to recruit from within the City/County/Township/Village lower income workers through local advertising media, signs placed at the proposed site for the project, and community organizations and public or private institutions operating within or serving the project area.
- C. To insert this Section 3 Plan and the Section 3 Contractors Packet (Form 4-T) in all bid documents, and to require all bidders/contractors and subcontractors to submit a Section 3 affirmative action plan including utilization goals and the specific steps planned to accomplish these goals.
- D. To maintain records, including copies of correspondence, memoranda, etc., which document that all the above affirmative action steps have been taken. See Section 3 Contractor & Worker Solicitation (Form 9-D).
- E. To list all permanent workforce for this project by job title. See Contractor Permanent Workforce Plan (Form 9-M).
- F. To list all projected workforce needs for this project by job classification and time frame for potential hire.
- G. To complete and submit the required Section 3 Forms to municipality for MEDC reporting (Form 9-N).

As representative of (Bidder), the undersigned has read and fully agree to the above and become a party to the full implementation of this program.

Signature	Date
Print Name	
Title	
Company Name	

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Signature	Date
Print Name	
Title	
Company Name	

### **SECTION 3 CONTRACTOR & WORKER SOLICITATION**

Following is a list of resources where Section 3 Businesses and/or Workers may potentially be found for		
solicitation.		
Housing and Urban Development (HUD) Section 3 Opportunity Portal	Businesses	
Michigan State Housing Development Authority (MSHDA) MBE/WBE list	Businesses	
Michigan Department of Transportation (MDOT) Disadvantaged Business Enterprise (DBE) list  Businesses		
MDOT Michigan Unified Certification Program (MUCP)  Businesses		
Michigan Works!	Businesses and Workers	
Public Housing Agencies (PHAs) Workers		

### Complete the table below to identify the businesses solicitated and/or workers notified of this CDBG-funded project.

Business or Location provide name of each business or worker location where potential Targeted Section 3 workers were notified

(i.e., Michigan Works!, UGLG website, etc.)

Address address of business solicitated or worker location notified

Date date of contact

Contact Info information for method of contact (ie, email address, phone number, mailing address, etc.)

Sec. 3 Vendor enter Yes or No if Business or Location is a Section 3 Vendor

MBE WBE DBE enter acronym(s) if business is a Minority Business Enterprise (MBE) or Women Business Enterprise (WBE) or

Disenfranchised Business Enterprise (DBE)

Grantee (UGLG):	Date:	
Project Title:	Grant #	
Grant Period:	Grant Amount:	\$

				BUSINES	SONLY
Date	Business or Location	Address	Contact Info	Sec. 3 Business Y/N	MBE WBE DBE

### This report must be:

- 1. Submitted to the UGLG when the construction contract(s) is/are signed,
- 2. Updated to reflect additional solicitations throughout the grant term, and
- 3. Updated and submitted to the UGLG at project completion along with the Section 3 Contractor Labor Hours Tracking (Form 9-N).

### **SECTION 3 CLAUSE per CFR PART 75 (FINAL RULE)**

All Section 3 covered contracts shall include the following clause (referred to as the "Section 3 Clause"):

- A. The work to be performed under this contract is subject to the requirements of Section 3 of the Housing and Urban Development Act of 1968, as amended by the Housing and Community Development Act of 1992 (Section 3). The purpose of Section 3 is to ensure that employment and other economic opportunities generated by HUD assistance or HUD-assisted projects covered by Section 3, shall, to the greatest extent feasible, be directed to lowand very low-income persons, particularly persons who are recipients of HUD assistance for housing.
- B. The parties to this contract agree to comply with HUD's regulations in 24 CFR Part 75, which implement Section 3. As evidenced by their execution of this contract, the parties to this contract certify that they are under no contractual or other impediment that would prevent them from complying with the part 75 regulations.
- C. The contractor agrees to send to each labor organization or representative of workers with which the contractor has a collective bargaining agreement or other understanding, if any, a notice advising the labor organization or workers' representative of the contractor's commitments under this Section 3 clause, and will post copies of the notice in conspicuous places at the work site where both employees and applicants for training and employment positions can see the notice. The notice shall describe the Section 3 preference, shall set forth minimum number and job titles subject to hire, availability of apprenticeship and training positions, the qualifications for each; and the name and location of the person(s) taking applications for each of the positions; and the anticipated date the work shall begin.
- D. The contractor agrees to include this Section 3 clause in every subcontract subject to compliance with regulations in 24 CFR Part 75, and agrees to take appropriate action, as provided in an applicable provision of the subcontract or in this Section 3 clause, upon a finding that the subcontractor is in violation of the regulations in 24 CFR Part 75. The contractor will not subcontract with any subcontractor where the contractor has notice or knowledge that the subcontractor has been found in violation of the regulations in 24 CFR Part 75.
- E. The contractor will certify that any vacant employment positions, including training positions that are filled (1) after the contractor is selected by before the contract is executed, and (2) with persons other than those to whom the regulations of 24 CFR part 75 require employment opportunities to be directed, were not filled to circumvent the contractor's obligations under 24 CFR part 75.
- F. Noncompliance with HUD's regulations in 24 CFR part 75 may result in sanctions, termination of this contract for default, and debarment or suspension from future HUD assisted contracts.
- G. With respect to work performed in connection with Section 3 covered Indian housing assistance, section 7(b) of the Indian Self-Determination and Education Assistance Act (25 U.S.C. 450e) also applies to the work to be performed under this contract. Section 7(b) requires that to the greatest extent feasible (i) preference in the award of contracts and subcontracts shall be given to Indian organizations and Indian-owned Economic Enterprises. Parties to this contract that are subject to the provisions of Section 3 and Section 7(b) agree to comply with Section 3 to the maximum extent feasible, but not in derogation of compliance with Section 7(b).

### **SECTION 3 CONTRACTOR & WORKER SOLICITATION**

Following is a list of resources where Section 3 Businesses and/or Workers may potentially be found for solicitation.		
Housing and Urban Development (HUD) Section 3 Opportunity Portal	Businesses	
Michigan State Housing Development Authority (MSHDA) MBE/WBE list	Businesses	
Michigan Department of Transportation (MDOT) Disadvantaged Business Enterprise (DBE) list Businesses		
MDOT Michigan Unified Certification Program (MUCP)	Businesses	
Michigan Works! Businesses and Worke		
Public Housing Agencies (PHAs) Workers		

### Complete the table below to identify the businesses solicitated and/or workers notified of this CDBG-funded project.

Business or Location provide name of each business or worker location where potential Targeted Section 3 workers were notified

(i.e., Michigan Works!, UGLG website, etc.)

Address address of business solicitated or worker location notified

Date date of contact

Contact Info information for method of contact (ie, email address, phone number, mailing address, etc.)

Sec. 3 Vendor enter Yes or No if Business or Location is a Section 3 Vendor

MBE WBE DBE enter acronym(s) if business is a Minority Business Enterprise (MBE) or Women Business Enterprise (WBE) or

Disenfranchised Business Enterprise (DBE)

Grantee (UGLG):	Date:	
Project Title:	Grant #	
Grant Period:	Grant Amount:	\$

				BUSINES	SONLY
Date	Business or Location	Address	Contact Info	Sec. 3 Business Y/N	MBE WBE DBE

### This report must be:

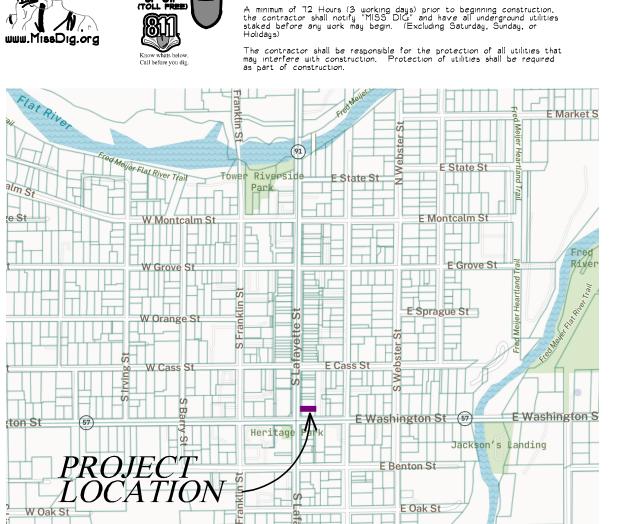
- 1. Submitted to the UGLG when the construction contract(s) is/are signed,
- 2. Updated to reflect additional solicitations throughout the grant term, and
- 3. Updated and submitted to the UGLG at project completion along with the Section 3 Contractor Labor Hours Tracking (Form 9-N).

Address: 328 S. Lafayette Street Bid Amount

GENERAL REQUIREMENTS	
SITE SERVICES (dumpsters, utilities, etc)	
BUILDING CONCRETE	
CONCRETE	
METALS	
LINTEL	
WINDOW FLASHING	
ROUGH CARPENTRY	
FRAMING	
OPTION INC- FRAME OUT EXT WALLS	
OSB SHEATHING	
DEMO	
DISPOSAL	
FINISH CARPENTRY	
UNIT TRIM	
COMMON TRIM	
TRIM & DOORS	
INSULATION	
SUBCONTRACT	
WINDOW FOAM	
ROOFING	
PATCHING AT NEW PENETRATION	
CAULKING (EXTERIOR) SEALANTS	
WINDOWS	
EXTERIOR DOORS	
INTERIOR DOORS	
TRIM & MISC	
SOUND CAULKING	
DOORS/HARDWARE	
INTERIOR DOORS	
INTERIOR DOOR HARDWARE	
EXTERIOR DOORS	
EXTERIOR DOOR HARDWARE	
WINDOWS	
WINDOWS	

GLASS	
DOOR LITES	
SHOWER DOORS	
DRYWALL	
DRYWALL INCL SOUND BOARD	
OPTION INCL- DRYWALL ON EXTERIOR WALLS	
CERAMIC TILE/QUARRY TILE	
KITCHEN BACKSPLASH	
RESILIENT FLOORING	
SUB CONTRACT	
PAINT/DECORATING	
INTERIOR PAINT	
SPECIALTIES	
MIRRORS,BATH HARDWARE&VANITY LIGHTS	
BLINDS	
FIRE EXTINGUISHERS	
APPLIANCES	
APPLIANCE	
APPLIANCE	
APPLIANCE  CABINETS	
APPLIANCE  CABINETS  CABINETS&VANITIES	
APPLIANCE  CABINETS  CABINETS&VANITIES  COUNTERTOPS	
APPLIANCE  CABINETS  CABINETS&VANITIES  COUNTERTOPS	
APPLIANCE  CABINETS  CABINETS&VANITIES  COUNTERTOPS  VANITIES & LAV TOPS	
APPLIANCE  CABINETS  CABINETS&VANITIES  COUNTERTOPS  VANITIES & LAV TOPS  SPECIAL CONSTRUCTION	
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ELECTRICAL		
SUBCONTRACT		
SPECIALTY FIXTURE ALLOWANCE		
WIRE INCREASES		
OTHER		
DISPOSAL		
PERMITS		
TOTAL CONSTRUCTION COSTS		
GENERAL REQUIREMENTS		
TOTAL WITH GR		
OVERHEAD		
PROFIT		
TOTAL WITH P&O		
CONTINGENCY		
BONDS		
TOTAL PROJECT COST	_	



PROTECTION OF UNDERGROUND FACILITIES

PUBLIC ACT 53 OF 1974 Underground and/or aboveground utility locations, as may be indicated on the plan, were obtained from utility owners or other documents and were not field located.

3 WORKING DAYS

# SITE VICINITY MAP

	Local Cada Anthoni	ties Having Jurisdiction
	Local Code Authori	ties Having Jurisdiction
Zoning	City of Greenville Building, Planning & Zonning Dept. 616-754-5645	City of Greenville Zoning Ordinance
Building	City of Greenville Building, Planning & Zonning Dept. 616-754-5645	State of Michigan Building Code 2015, Incorporating the International Building Code 2015 with amendments & ICC/ANS A117.1-2009 effective April 20, 2017.
Barrier Free	City of Greenville Building, Planning & Zonning Dept. 616-754-5645	Michigan Building Code 2015, Part 4 based on IBC 2015 adopted as amended and effective April 20, 2017, and referencing ICC/ANSI A117.1-2009.
Mechanical	Montcalm County Building Department 989-831-7394	Michigan Mechanical Code 2015, Part 9A, based on IMC 2015 adopted as amended and effective April 12, 2017.
Plumbing	Montcalm County Building Department 989-831-7394	Michigan Plumbing Code 2015, Part 7, based on IPC 2015 adopted as amended and effective April 20, 2017.
Electrical	Montcalm County Office of Building Safety 517-483-4355	Michigan Electrical Rules, Part 8 based on NEC 2017 adopted as amended and effective January 4, 2019.
Energy	City of Greenville Building, Planning & Zonning Dept. 616-754-5645	Michigan Uniform Energy Code Rules, Part 10A; based ASHRAE energy standard for buildings except low-rise residential buildings, ANSI/ASHRAE/IESNA standard 90.1-2007, including appendicies A, B, C, and D
Fire	City of Greenville Public Safety Dept. 616-754-9161	State fire prevention code, MCL 29.1 NFPA Uniform Fire Code 2006
Health Department	Mid-Michigan District Health Department 989-831-5237	
	Other	Authorities
Sanitary	City of Greenville Public Services 616-754-5098	
Storm Drains	City of Greenville City Engineer 616-754-5645	
Local Roads	City of Greenville City Engineer 616-754-5645	
State Roads	State of Michigan MDOT 517-347-0635	
	Loca	l Utilities
Water	City of Greenville Water Department 616-754-5645	
Gas	Consumers Energy Gas Engineering 800-805-0490	
Electric	Consumers Energy	

Electric Engineering 800-805-0490

### **GENERAL PROJECT NOTES:**

- The contractor shall be exclusively responsible for determining the exact utility locations and elevations prior to the start of construction. It is the contractor's responsibility to notify the various utility owners in accordance with Michigan Public Act No. 53 of 1974. 72 Hours or three (3) working days (excluding Saturday, Sunday, or Holidays) before you dig call Miss Dig 800-482-7171 or
- 2. Before contractor commences with demolition or construction, he shall check with all local utilities for verification of underground lines. All utilities shall be coordinated between existing services, proposed services and utility companies. Any abandoned service shall be terminated according to the utility company's requirements.
- 3. Applicable Federal, State and Local Acts, Codes, Laws, Ordinances, and Regulations, etc. shall be considered as part of the
- requirements for this project and shall take precedent over these drawings and specifications. Advise the Architect in writing of potential conflicts between these drawings and possible interpretations of codes, ordinances, and regulations. All Mechanical, Plumbing and Electrical work shall be performed by Contractors licensed for such work and who shall obtain the
- It is the intent of these construction documents to construct a complete building with all building systems fully functional and usable at the completion of the work. These drawings indicate the general scope of the work to be provided.
- The approximate areas and dimensions indicated are to assist the contractor in determining the relative magnitude of project size and shall not be used as actual areas in determining quantities for bidding or ordering of material. The contractor is responsible for
- taking his or her own measurements of the existing conditions. Areas indicated are for determination of Construction & Occupancy requirements for conformance with the Building Code only. Prorating of Mechanical, Electrical, Storage and Accessory Areas for Lease Area Calculations are the responsibility of the Owner and Leasing Agent. Any other use of these numbers shall be checked and verified with actual construction by the professional responsible for preparing their reports.
- For projects that effect pre-1978 homes, child care facilities and schools, firms performing renovation, repair, and painting projects that disturb lead-based paint be certified by EPA and that they use certified renovators who are trained by EPA-approved training providers to follow lead-safe work practices. Contractors must use lead-safe work practices and follow these procedures: a) Contain the work area; b) Minimize dust; c) Clean up thoroughly. Comply with EPA Regulations on Residential Property Renovation, 40CFR 745, Subpart E.
- Contractor shall construct this project in accordance with the Stille-DeRossett-Hall Single State Construction Code Act State of Michigan - Act 30 of 1972 and the Americans with Disabilities Act. a. Comply with State of Michigan Building Code 2015, Incorporating the International Building Code 2015 with amendments & ICC/ANSI
- A117.1-2009 effective April 20, 2017, When Referenced to by the Michigan Rehabilitation Code for Existing Buildings 2015. b. Comply with State of Michigan Rehabilitation Code for Existing Buildings 2015, Incorporating the International Existing Building Code 2015 with amendments effective December 13, 2016.
- Chapter 9 Alterations Level 3 c Comply with State of Michigan Energy Code 2015 - Part 10a, Incorporating the International Energy Conservation Code 2015 Commercial provisions, with amendments effective September 20, 2017, and referencing ASHRAE 90.1-2013. d, Comply with State of Michigan Mechanical Code 2015, based on IMC 2015 adopted and effective April 12, 2017.
- e. Comply with State of Michigan Plumbing Code 2015, based on IPC 2015 adopted and effective April 20, 2017. f. Comply with Michigan Electrical Rules, Part 8 based on NEC 2017 adopted as amended and effective January 4, 2019 Drawing Notes and Project Specifications may be presented in any or all of the four following formats: Descriptive: describes in detail the material to be used and the workmanship required to fabricate, erect and install the materials. Performance; describes the general expectations of the final performance and result of that part of the project. Reference: describes what reference standards are to be followed for a material, test method or installation procedure

Proprietary; describes exactly what Manufacturer, Model, Catalog number and options are to be used.

Contractor shall understand the difference between these formats and provide the proper results for each

- The following definitions apply generally to the work. a, Provide: Furnish and install, complete and ready for intended use. All notes shall be considered as Provide unless specifically
- b. Furnish: Supply and deliver to project site, ready for unloading, unpacking, assembly, installation, and similar subsequent c. Install: Operations at project site, including loading, unpacking, assembly, erection, placing, anchoring, applying, working to
- dimension, finishing, curing, and protecting, cleaning, and similar requirements. d. Connect: Provide the necessary materials to connect items Furnished and assemblied on site. e. Prepare: Provide the necessary supports, rough opening, utility rough-in, base of sub-base, etc., for items to be installed by others. f. Indicated: Shown on drawings by notes, graphics or scheduled, or written into other portions of contract documents. Terms such as "shown," "noted," "scheduled," and "specified" have the same meaning as "indicated," and are used to assist the reader in locating
- g. References to Contractor and/or Construction Manager that may be included in notes with this set of drawings shall mean either the Contractor, or the Owner if there is not a General Contractor for the Project.
- 12. All Contractors (General, Sub Contractors, Vendors and Suppliers) shall: a. Provide all miscellaneous labor, equipment, parts and accessories necessary to install complete and fully functional building systems,
- whether such miscellaneous labor, equipment, part or accessory is specifically described herein or not. At the completion of the work, the building shall be fully functional and useable by the Owner.
- b. Visit the site prior to executing a contract for this project to examine the existing conditions. No additional payment will be approved by the owner for conditions that the Contractor could have identified through the pre-contract site visit.
- c. Review all documents and shall notify the Architect in writing of any discrepancies or inadequacies prior to starting work. d. Review and verify all dimensions and notify Architect in writing of any discrepancies prior to Start of Work.
- f. Shall be satisfied that the documents indicate and provide for their work to be constructed, finished and functional. Commencement of work indicates acceptance of prior trades works. Completion of work shall provide that subsequent trades can complete their
- g. Provide the highest quality of work and the greatest quantity of materials required for a complete project conforming to all noted
- codes, whether or not such materials required for such conformance are indicated in these plans. h. Commencement of work shall indicate the Contractor's acceptance of these documents as being correct, complete and valid.
- Requests for changes based on claims of incomplete documents after Execution of Contract will not be accepted. i. Any omissions or conflicts between the various elements of the contract documents shall be brought to the attention of the Architect
- before proceeding with any work so involved. In the event of conflicts within the contract documents, the Architect shall render j. Do not scale these drawings. Use dimensions indicated on the drawings and those verified at the project site. The owner's representative shall clarify any dimensions or areas that are unclear on the drawings. Scaling of these drawings or other methods to determine dimensions will not be acceptable. Bidders are responsible to field verify dimension to determine material quantities and
- cause for a change in the contract price or schedule. Contractor shall: a. Maintain the construction site in a neat and clean manner, he shall legally dispose of all unused material from the site. At the end of

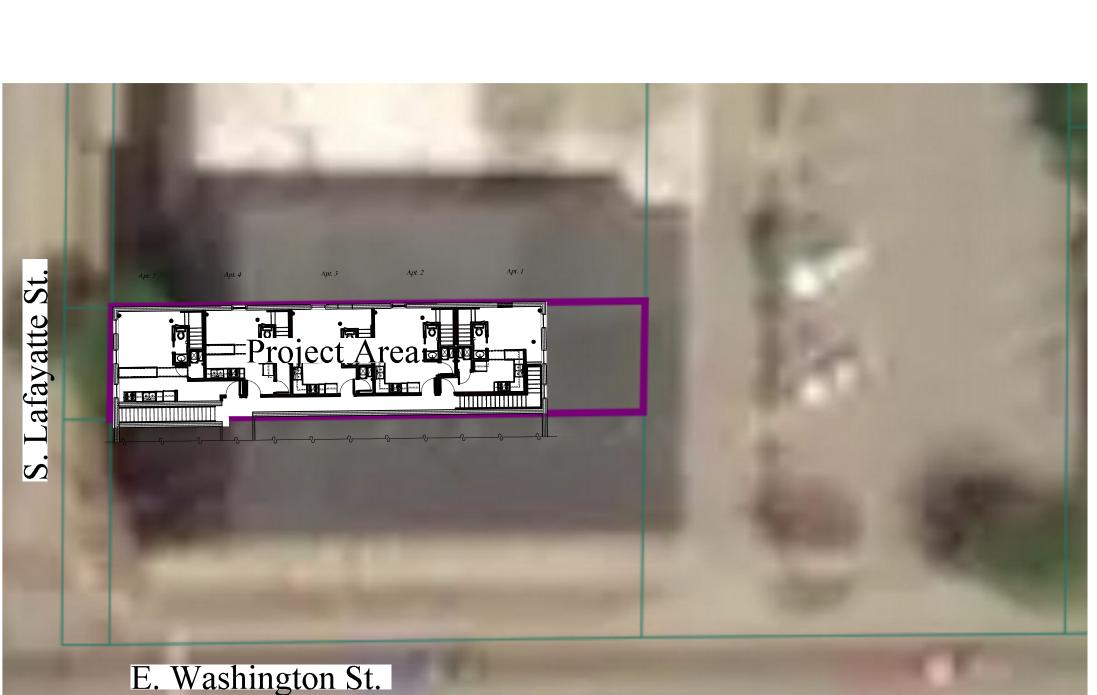
sizes in preparing proposals. Discrepancies between actual conditions and the schematic information shown on drawings will not be

- the project the contractor shall clean all surfaces and leave the project in a clean state. **b.** Provide access or access panels to all valves, dampers and other necessary adjustment items.
- c. Where Demolition and/or removal of equipment exposes unfinished surfaces, openings, holes, missing trim, etc. Patch and repair surfaces to match adjacent surfaces so that demolition and removals can not be detected.
- d. Coordinate with the mechanical and electrical contractors the location of ducts, piping, boxes, chases, conduits, etc. e. Provide adequate clearances for servicing of equipment per code.
- f. Provide new material patch, repair and refinish surfaces and supporting structure as required to provide new finished project where demolition exposes or damages surfaces to be exposed in final project.
- g. Replace damaged materials with materials equal or better quality of the material that was damaged. 14. Contractor shall:
- a. Provide and pay for temporary utilities such as water, electric, heat, etc. As necessary to complete project.
- b. Include and pay for the cost of all labor and materials and all state sales and use taxes to complete the project in accordance with
- c. Include, apply and pay the cost of all building permits and/or fees necessary to complete the construction of this project, it's proper display and requests for inspections from the local authorities. d. Furnish insurance in accordance with general conditions and as required by all state and local laws.
- The Architect is not responsible for construction means, methods, techniques, sequences, or procedures, or for safety precautions since these are solely the Contractors responsibility.
- These documents do not include the necessary components for construction safety. Safety, care of adjacent properties during construction, and compliance with local regulations regarding safety is, and shall be, the contractor's responsibility.
- The Architect's Basic Services do not include Construction Phase services. The Owner shall be responsible for interpreting the
- Contract Documents, reviewing submittals, certifying payments to the Contractor, and observing the Contractor s Work. The Owner assumes responsibility for discovering, correcting or mitigating errors, inconsistencies or omissions. The Owner may request the Architect in writing to provide specific Construction Phase services.
- 18. OWNER-AUTHORIZED CHANGES:
- If the Owner authorizes deviations, recorded or unrecorded, from the documents prepared by the Architect and Consultants without written agreement of the Architect, the Owner shall indemnify and hold harmless the Architect, Architect's consultants and agents and employees of any of them from and against claims, damages, losses and expenses, including but not limited to attorneys' fees, arising out of or resulting in whole or in part from such deviations, regardless of whether or not such claim, damage, loss or expense is caused in part by a party indemnified hereunder.
- 19. SPECIAL INSPECTOR AND RESPONSIBILITIES:

# VanHouse Properties, LLC Residential Rehabilitation

328 South Lafayette St. City of Greenville, Montcalm County Greenville, Michigan 48838

			DDE REVIEW CHART IG AREA REQUIREMENT	REVIEW			
			ilitaion Code for Existing			orating IEBC 2015)	
ITEM OCCUPANCY USE	SECTION	EXISTING CLASSIFICATION Business (Salon)	PROPOSED USE CLASSIFICATION Business (Salon)	PROPOSED US CLASSIFICATIO Apartments		REMARKS	
SECTION OCCUPANCY TYPE	MBC 2015 MBC 2015	304.1	304.1 B	310.4 R-2			
Hazard Catergories & Classificatio Life Safety & Exits Heights & Areas	T 1012.4 T 1012.5	4 4	4 4	3 2			
Exposure of Exterior Walls	T 1012.6	3	3	3			
CONSTRUCTION TYPE	602	Michigan Building Co	de 2015 (Incorporating IB	C 2015) III-B		Mixed Combustible - Not	Protected
ALLOWABLE AREAS - NS	T 506.4 M T 506.4	19,000 sq. ft. 57,000 sq. ft.	19,000 sq. ft. 57,000 sq. ft.	16,000 sq. ft. 48,000 sq. ft.			Area per fl
ALLOWABLE HEIGHT	T 504.3 T 504.2	4 Story 55 Feet	4 Story 55 Feet	4 Story 55 Feet			
AREA INCREASES Frontage   f	506 506.3.3	40.9	5 40.5		40.5		
Building with Frontage "	="	152	2 152		152		
Total Building Perimeter " Minimum open Width "V	o"	232 30			232 30		
Sprinkler <b>if</b>	T 506.2		0 300		300		
, <del>.</del>		20 000 #		70 400 "			
TOTAL ALLOWABLE AREA		26,698 sq. ft.	83,698 sq. ft.	70,483 sq. ft.			,
ACTUAL AREAS	•		1,899 sq. ft. 1,932 sq. ft.			1,899 sq. ft. 1,932 sq. ft.	Lower First
			1,002 04. 16.	1,937 sq. ft.		1,937 sq. ft.	Second
				1,874 sq. ft.	-	1,874 sq. ft. 7,642 sq. ft.	Third Total
TOTAL ALLOWABLE HEIGHT ACTUAL HEIGHT		4 Story	5 Story	5 Story		7,642 sq. π. 3 Story	TOTAL
MPC Code Nates						•	
MBC Code Notes: Section 508.3			gs or portions of buildings that	comply with the pro-	visions o	of this section shall be con	sidered as
0. 44 500 0 4		ed occupancies	and a second	alialahaa Heeste 177 (1	lm 2 -	damas with Occasion cooper	The second
Section 508.3.1			arated occupancies shall be in		in accor		
		onan appry to cacil polition	of the hillding bacod on the a	ccunancy classificati	on of the	at enace. In addition the	most restrictive
			the nonseparated occupand	ies shall apply to the	total no		ea. Where
	nonseparate	ed occupancies occur in a h	the nonseparated occupant nigh-rise building, the most res	ies shall apply to the	total no	onseparated occupancy ar	ea. Where
	nonseparate		the nonseparated occupant nigh-rise building, the most res	ies shall apply to the	total no	onseparated occupancy ar	ea. Where
Commen	nonseparate occupancies	ed occupancies occur in a h	the nonseparated occupand nigh-rise building, the most res ne high-rise building.	ies shall apply to the	total no	onseparated occupancy ar	ea. Where
	nonseparate occupancies	ed occupancies occur in a h shall apply throughout the	the nonseparated occupand nigh-rise building, the most res ne high-rise building.	ies shall apply to the	total no	onseparated occupancy ar	ea. Where
MRCEB Code Notes:	nonseparate occupancies	ed occupancies occur in a h shall apply throughout the	the nonseparated occupance iigh-rise building, the most resident high-rise building.  ANCIES NOT REQUIRED.	ies shall apply to the	total no	onseparated occupancy ar	ea. Where
MRCEB Code Notes: CHAPTER 3	nonseparate occupancies  E: FIRE SEPAR  PROVISIONS SECTION 30	ed occupancies occur in a had apply throughout the station BETWEEN OCCUP  B FOR COMPLIANCE METH 1 ADMINISTRATION	the nonseparated occupance igh-rise building, the most respectively.  ANCIES NOT REQUIRED.	ies shall apply to the trictive requirements	total no of Secti	onseparated occupancy ar ion 403 that apply to the n	ea. Where onseparated
MRCEB Code Notes: CHAPTER 3	PROVISIONS SECTION 30 1 General Th	ed occupancies occur in a had shall apply throughout the carrier occupance of the complete occupance of the complete occupance	the nonseparated occupance igh-rise building, the most respectively.  ANCIES NOT REQUIRED.  ODS  of occupancy, addition or release.	ies shall apply to the trictive requirements coation of all existing	total no of Secti	onseparated occupancy ar ion 403 that apply to the n	rea. Where onseparated
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DRAWING INDEX TITLE SHEET, CODE DATA, PROJECT INFORMATION, DRAWING INDEX, & SITE PLAN

LOWER FLOOR PLAN- DEMOLITION, FIRST FLOOR PLAN- DEMOLITION, DEMOLITION NOTES

LOWER FLOOR PLAN. FIRST FLOOR PLAN. PLAN NOTES SECOND FLOOR PLAN, THIRD FLOOR PLAN, PLAN NOTES

INTERIOR ELEVATIONS

CONSTRUCTION DETAILS

A 6.1 ROOM FINISH SCHEDULE, DOOR FINISH SCHEDULE, HARDWARE SCHEDULE

The Drawings listed below have not been prepared by Roger L. Donaldson, AIA P.L.C. and therefore have not been approved or reviewed by Roger L. Donaldson, AIA P.L.C. for any purpose other than general coordination with the drawings listed above. Roger L. Donaldson, AIA P.L.C. assumes no responsability for the design or accuracy

MECHANICAL & ELECTRICAL DRAWINGS PREPARED BY: ENGINEERING APPLICATIONS, INC.

MECHANICAL / PLUMBING MECHANICAL NOTES, SYMBOLS and DETAILS

BASEMENT and FIRST FLOOR MECHANCIAL PLANS SECOND and THIRD FLOOR SANITARY PIPING PLANS SECOND and THIRD FLOOR PLUMBING PLANS

SECOND and THIRD FLOOR HVAC PLANS

ELECTRICAL NOTES, SCHEDULES, SYMBOLS and DETAILS

BASEMENT and FIRST FLOOR POWER PLANS SECOND and THIRD FLOOR ELECTRICAL PLANS

Other Drawings Including Architectural, Structural, Mechanical, Plumbing, and Electrical Drawings may have been Prepared by other Design Professional(s) and are not part of this Drawing Set.

**DESIGN PROFESSIONALS:** 

DEFERED SUBMITTALS

Contractor shall provide Fire Suppression System, Monitoring, Alarm and Notification Drawings and Calculations, prepared by a Fire Protection Engineer licensed in the State of Michigan in accordance with Michigan Building Code, including Section 107.2.2, Sections 903, Michigan Mechanical Code Chapter 16 and containing information as required by NFPA 13 - 2013, Chapter 8.

Roger Donaldson AIA Roger L. Donaldson, AIA P.L.C. 4787 Tartan Lane Holt, Michigan 48842-1935 (517) 694-0011 Phone RogerAIA@comcast.net

Mechanical & Electrical Enginering

Brian Knox, P.E. Engineering Applications, Inc. 726 Abbot Road East Lansing, Michigan 48823 (517) 337-4422 Phone (517) 337-7115 Fax

Seal/Signature

DRA

# GENERAL DEMOLITION NOTES: 1. Do not scale these drawings, use dimensions indicated on the drawings and those verified at the project

- site. Any dimensions or areas that are unclear on the drawings shall be clarified by the Owner's Representative. Scaling of these drawings or other methods to determine dimensions will not be acceptable.
- All items of demolition of salvageable value shall be placed in Owners storage unless instructed otherwise.
- 3. Coordinate all demolition work with individual trades to minimize conflicts.
- 4. The structural integrity of the building shall not be altered.
- 5. The Contractor shall field verify all conditions for removal of all components necessary for coordination with new installations. These drawings are for general demolition only and are not intended to be shop drawings or "as built" drawings. All work that interferes with new construction, whether shown or not shown, shall be removed or relocated as directed by the Architect or Owner's representative.
- 6. Provide dust protection to all occupied areas, especially those containing computer and/or electronic systems.
- 7. Worksite shall be under negative pressure in relation to adjacent spaces. Contractor to provide required barriers, and containment equipment to provide this.
- 8. Where Demolition exposes or damages surfaces to be exposed in final project, patch, repair and refinish surfaces and supporting structure as required to provide new finished project.
- 9. Where Demolition and/or removal of equipment exposes unfinished surfaces, openings, holes, missing trim, etc. Patch and repair surfaces to match adjacent surfaces so that demolition and removals can not
- 10. When areas require painting due to demolition of items, repaint walls full height to nearest corner in each direction, and paint ceilings to each edge.
- 11. Occupancy: Owner will occupy portions of the building immediately adjacent to areas of selective demolition. Conduct selective demolition work in a manner that will itemize need for disruption of owner's normal operations. Provide minimum of four hours advance notice to owner of demolition activities that will impact owner's normal operations.
- 12. Traffic: Conduct selective demolition operations and debris removal in the manner to ensure minimum interference with roads, streets, walks, and other adjacent occupied or used facilities.a. Debris is to be removed daily, and per Owners requirements.
- 13. Utility Services: Maintain existing utilities indicated to remain. Keep in service and protect against damage during demolition operations.
- a. Do not interrupt utilities serving occupied or used facilities, except when authorized in writing by authorities having jurisdiction. Provide temporary services during interruptions to existing utilities, as acceptable the governing authorities.
- b. Maintain fire protection services during selective demolition operations.
- c. Locate, identify, stub off, and disconnect utility services that are not indicated to remain.
  d. Provide bypass connections as necessary to maintain continuity of service to occupied areas of building. Provide a minimum of 72 hours advance notice to owner if shutdown of services is necessary during changeover.
- Inspection: Prior to commencement of selective demolition work, inspect areas in which work will be performed.
  a. Inspection of all perimeter barriers for required firestopping shall be performed by Owner and Contractor. Any incomplete or missing firestopping is to be corrected during construction with approved
- materials and to the satisfaction of Owner and AHJ.

  15. Preparation: Provide interior and/or exterior shoring, bracing, or support to prevent movement, settlement, or collapse of structures to be demolished and adjacent facilities to remain.

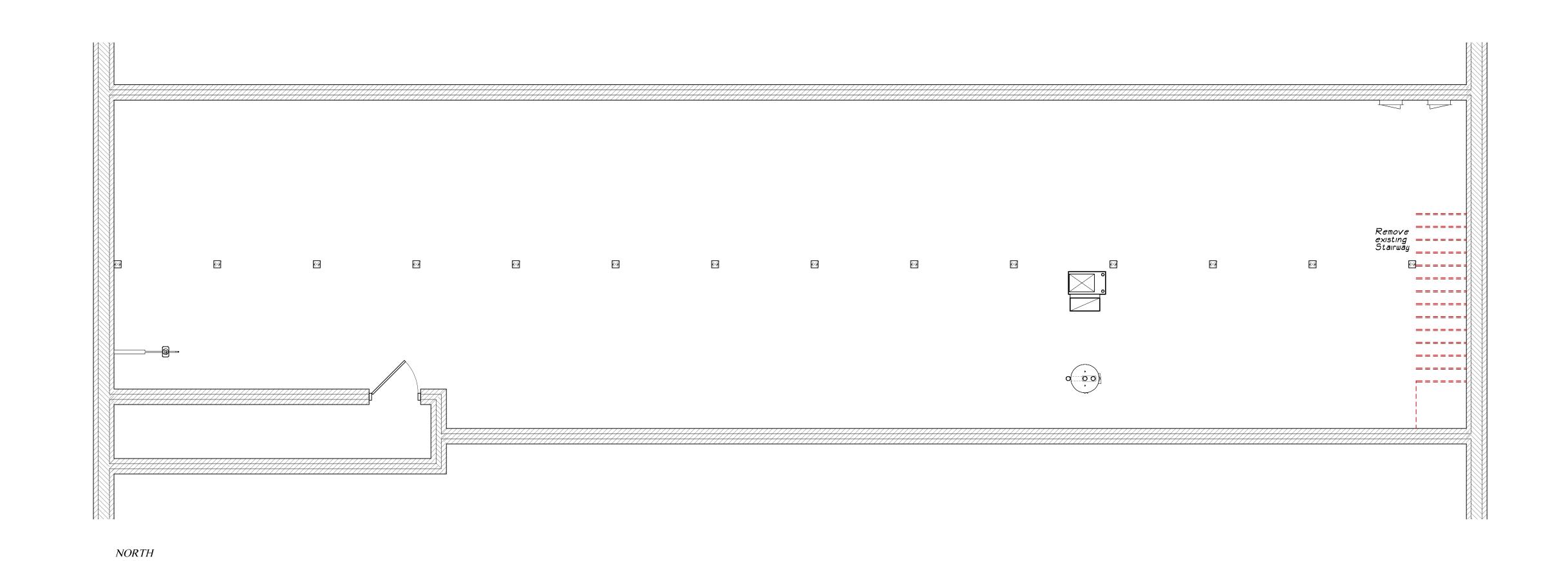
  a. Cover and protect furniture equipment and fixtures indicated "To Remain" from spoilage or damage.
- b. Erected maintain dust-proof partitions and enclosures as required to prevent spread of dust or fumes to occupied and existing portions of the building not within demolition area.
  16. If unanticipated Mechanical, Electrical, or Structural elements that conflict with the intended Function or Design are encountered, Investigate and Measure both nature and extent of conflict. Revise selective
- demolition schedule as necessary to continue overall job progress without delay.

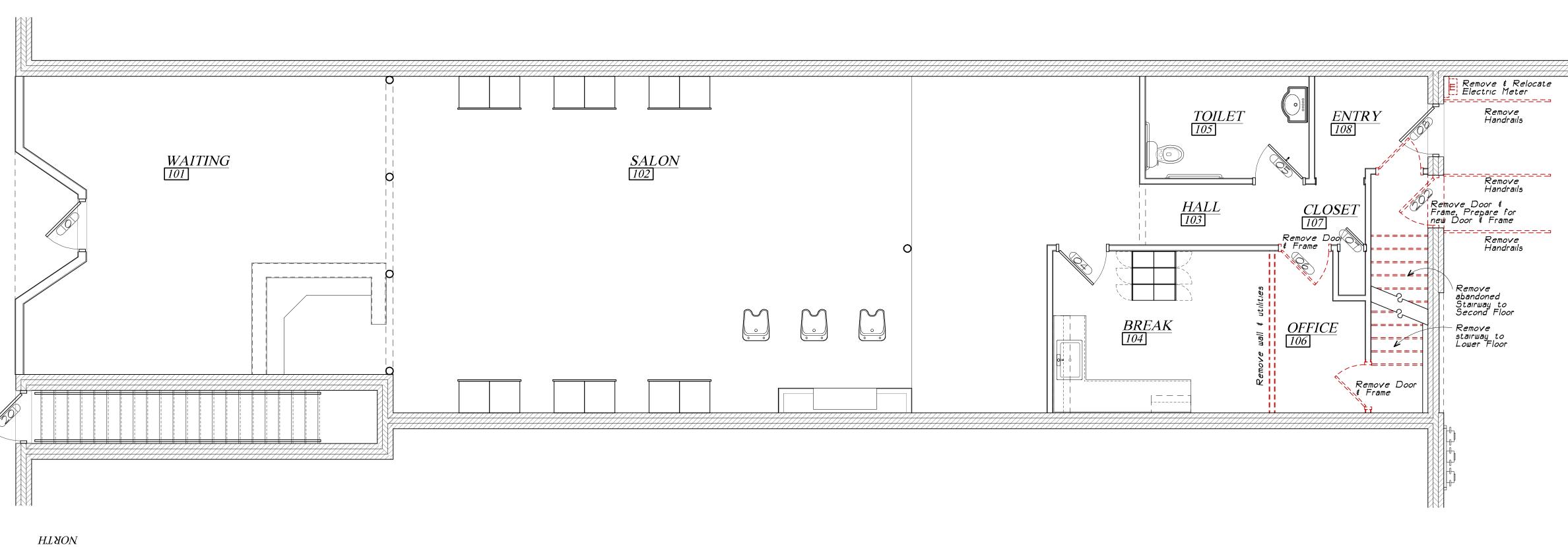
  17. Damages: Promptly repair damages caused to adjacent facilities by demolition work at no cost owner.
- 18. Repair demolition performed in excess of that required. Return structures and surfaces to remain to
- conditions existing part to commencement of selective demolition work. Repair and refinish adjacent construction or surfaces soiled or damages by selective demolition work.

  19. Disposal of demolished materials: Remove debris, rubbish, and other materials resulting from demolition operations from building site. Transport and legally disposed off-site.
- b. Burning of removed materials is not permitted on project site.
   c. If hazardous materials are encountered during demolition operations, comply with applicable regulations, laws, and ordinances concerning removal, handling, and protection against exposure or environmental pollution.
- 20. When removing walls or portions of wall, field verify and remove any utility devices or fixtures.
- 21. When removing Plumbing fixtures, remove supply and drain lines back to source lines and cap.
- 22. When removing Electrical devices, remove conduit and wireways back to source.

a. Debris is to be removed daily, and per Owners requirements.

Cleanup and repair: upon completion of demolition work, remove tools, equipment, and demolished materials from site. Remove protections and leave interior areas room clean.





FIRST FLOOR PLAN - DEMOLITION
Scale: 1/4" = 1'-0" 0 1' 2' 4' 8'

N - DEMOLITION, N - DEMOLTION, I NOTES

LOWER FLOOR PLAN-

FILE NO. 20-45 AIOO

# GENERAL DEMOLITION NOTES:

- 1. Do not scale these drawings, use dimensions indicated on the drawings and those verified at the project site. Any dimensions or areas that are unclear on the drawings shall be clarified by the Owner's Representative. Scaling of these drawings or other methods to determine dimensions will not be
- 2. All items of demolition of salvageable value shall be placed in Owners storage unless instructed otherwise
- 3. Coordinate all demolition work with individual trades to minimize conflicts.
- 4. The structural integrity of the building shall not be altered.
- 5. The Contractor shall field verify all conditions for removal of all components necessary for coordination with new installations. These drawings are for general demolition only and are not intended to be shop drawings or "as built" drawings. All work that interferes with new construction, whether shown or not shown, shall be removed or relocated as directed by the Architect or Owner's representative.
- 6. Provide dust protection to all occupied areas, especially those containing computer and/or electronic
- Worksite shall be under negative pressure in relation to adjacent spaces. Contractor to provide required barriers, and containment equipment to provide this.
- 8. Where Demolition exposes or damages surfaces to be exposed in final project, patch, repair and refinish
- surfaces and supporting structure as required to provide new finished project. 9. Where Demolition and/or removal of equipment exposes unfinished surfaces, openings, holes, missing
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- 12. Traffic: Conduct selective demolition operations and debris removal in the manner to ensure minimum interference with roads, streets, walks, and other adjacent occupied or used facilities. a. Debris is to be removed daily, and per Owners requirements.
- 13. Utility Services: Maintain existing utilities indicated to remain. Keep in service and protect against damage during demolition operations.
- a. Do not interrupt utilities serving occupied or used facilities, except when authorized in writing by authorities having jurisdiction. Provide temporary services during interruptions to existing utilities, as
- acceptable the governing authorities. **b.** Maintain fire protection services during selective demolition operations.
- c. Locate, identify, stub off, and disconnect utility services that are not indicated to remain. d. Provide bypass connections as necessary to maintain continuity of service to occupied areas of building. Provide a minimum of 72 hours advance notice to owner if shutdown of services is necessary during

Contractor. Any incomplete or missing firestopping is to be corrected during construction with approved

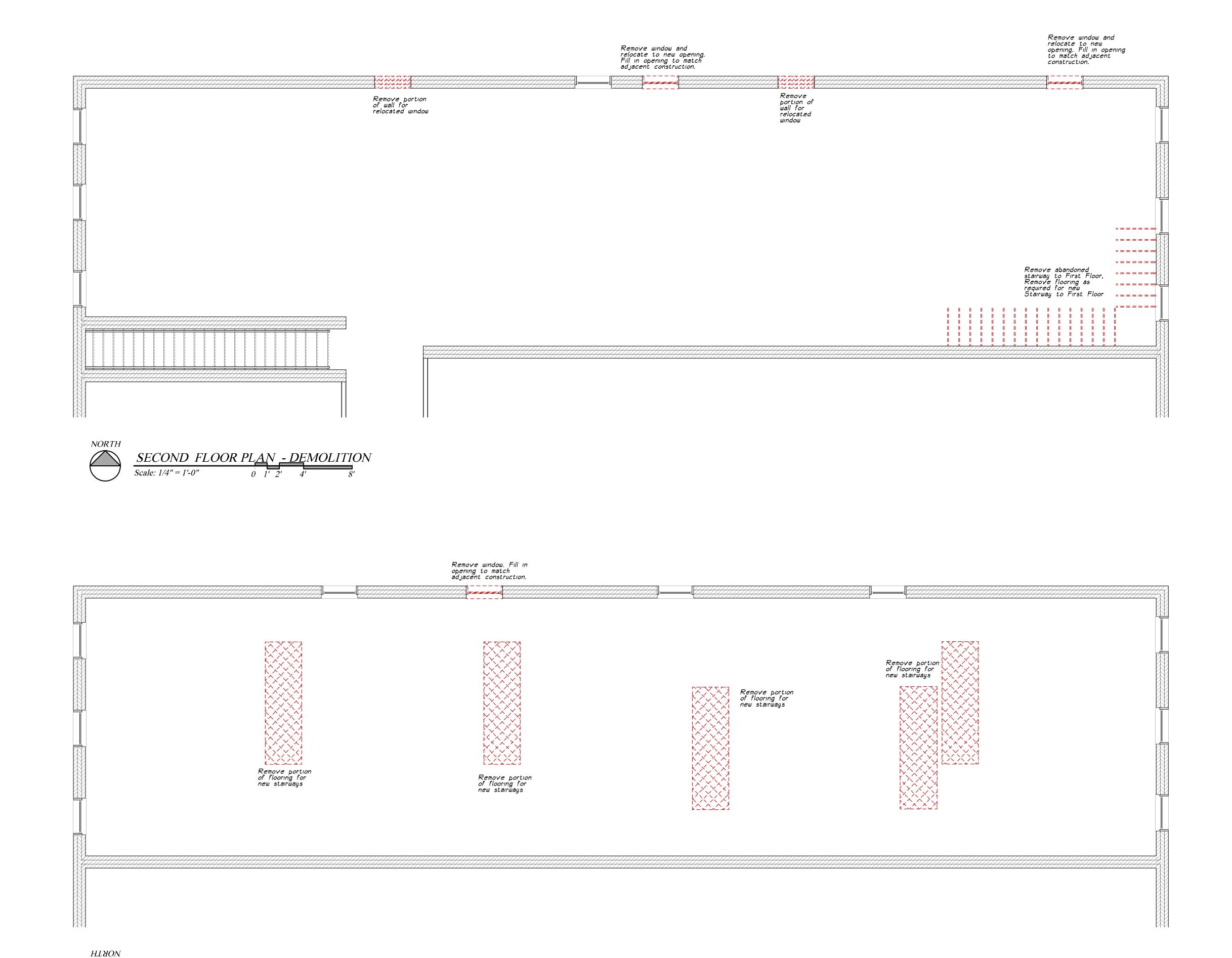
- 14. Inspection: Prior to commencement of selective demolition work, inspect areas in which work will be a. Inspection of all perimeter barriers for required firestopping shall be performed by Owner and
- materials and to the satisfaction of Owner and AHJ. 15. Preparation: Provide interior and/or exterior shoring, bracing, or support to prevent movement, settlement, or collapse of structures to be demolished and adjacent facilities to remain. a. Cover and protect furniture equipment and fixtures indicated "To Remain" from spoilage or damage.
- occupied and existing portions of the building not within demolition area. 16. If unanticipated Mechanical, Electrical, or Structural elements that conflict with the intended Function or Design are encountered, Investigate and Measure both nature and extent of conflict. Revise selective demolition schedule as necessary to continue overall job progress without delay.

b. Erected maintain dust-proof partitions and enclosures as required to prevent spread of dust or fumes to

- Damages: Promptly repair damages caused to adjacent facilities by demolition work at no cost owner.
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- **b.** Burning of removed materials is not permitted on project site. c. If hazardous materials are encountered during demolition operations, comply with applicable regulations, laws, and ordinances concerning removal, handling, and protection against exposure or environmental
- When removing walls or portions of wall, field verify and remove any utility devices or fixtures.
- 21. When removing Plumbing fixtures, remove supply and drain lines back to source lines and cap.
- 22. When removing Electrical devices, remove conduit and wireways back to source.

a. Debris is to be removed daily, and per Owners requirements.

23. Cleanup and repair: upon completion of demolition work, remove tools, equipment, and demolished materials from site. Remove protections and leave interior areas room clean.

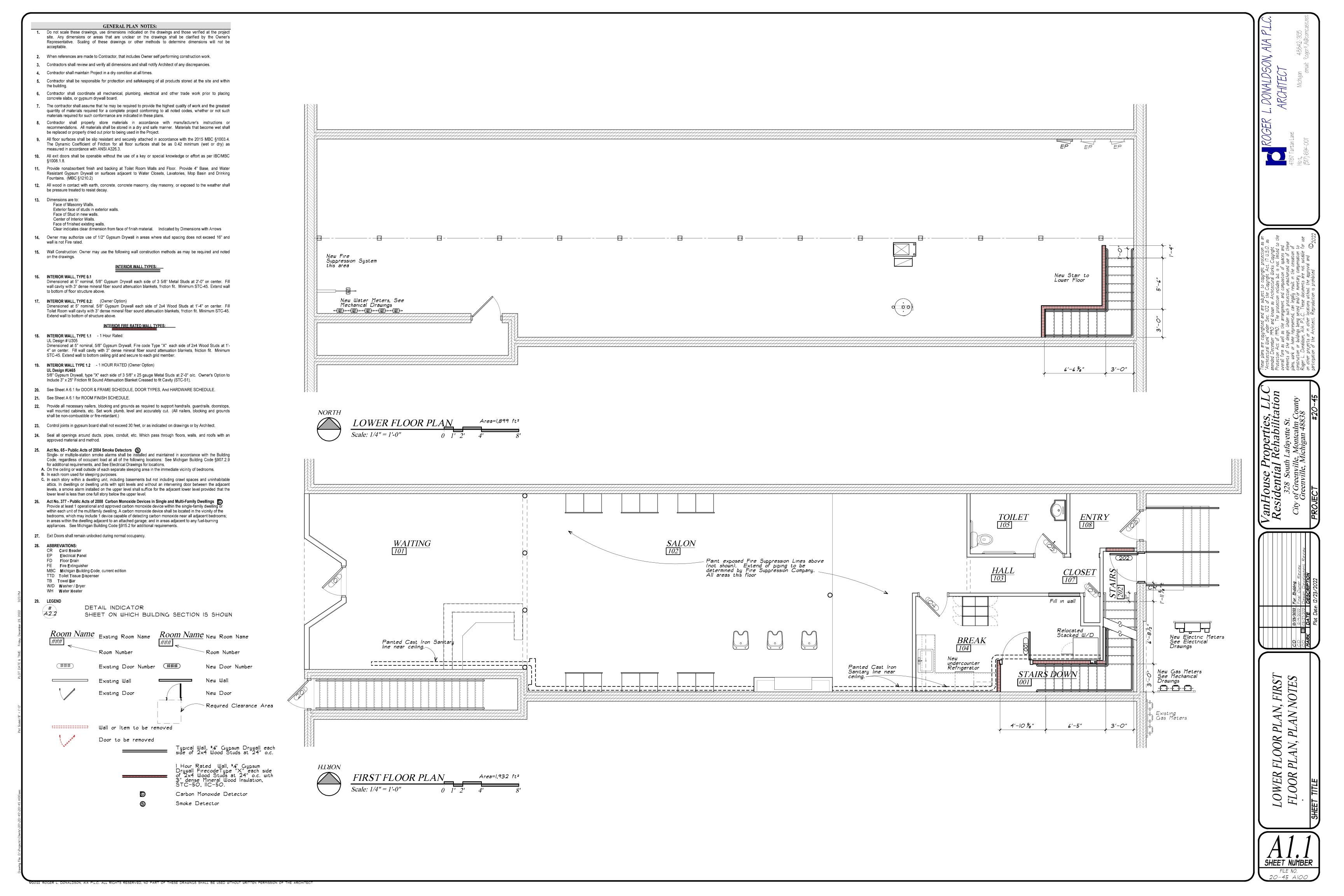


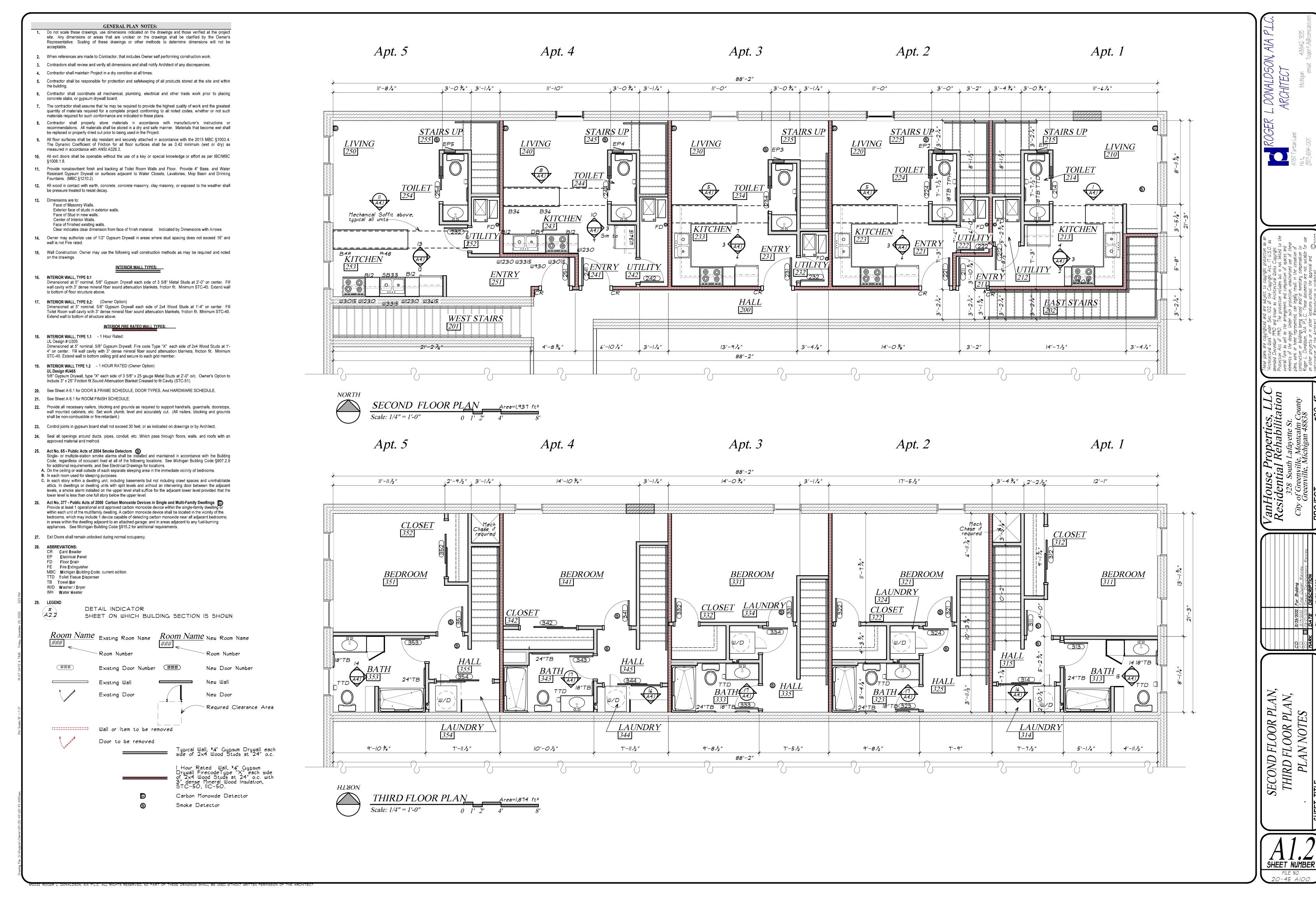
THIRD FLOOR PLAN - DEMOLITION
Scale: 1/4" = 1'-0" 0 1' 2' 4' 8'

Scale: 1/4" = 1'-0"

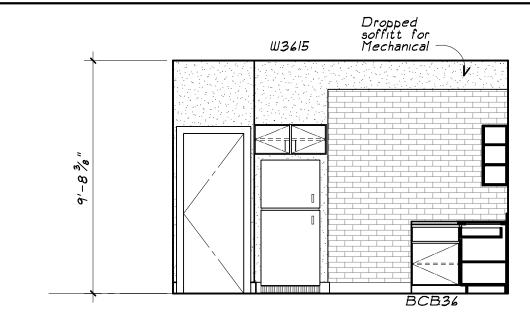
FILE NO. 20-45 AIOO

SECOND LEVEL PLAN - DEMOLTION, THIRD FLOOR PLAN - DEMOLTION, DEMOLITION NOTES









KITCHEN 213 NORTH

GENERAL CASEWORK NOTES

Casework to be equal to or better than Kraftmain Craftsman Character Cabinets. Provide Finished End Panels for all Casework with Exposed End on Side Panels. All Drawers and Doors shall have Pulls.

All Doors shall have Concealed Hinges. Drawers shall have full Extension Drawer Slides. Typical Casework dimensions: a. Base Cabinets Nominal Depth: 24" **b.** Wall Cabinets Nominal Depth: 15" (Unless Otherwise noted) c. Counter Top Depth:

d. Counter Top height: Solid Surface Countertops (grante/quarts) 4" Backsplash/Sidesplash. Match Countertop Material and Finish. Provide equal filler strip at ends when necessary. Match cabinet fillishoilets & Bathrooms, provide integral or bottom mount sink bowl to match countertop.

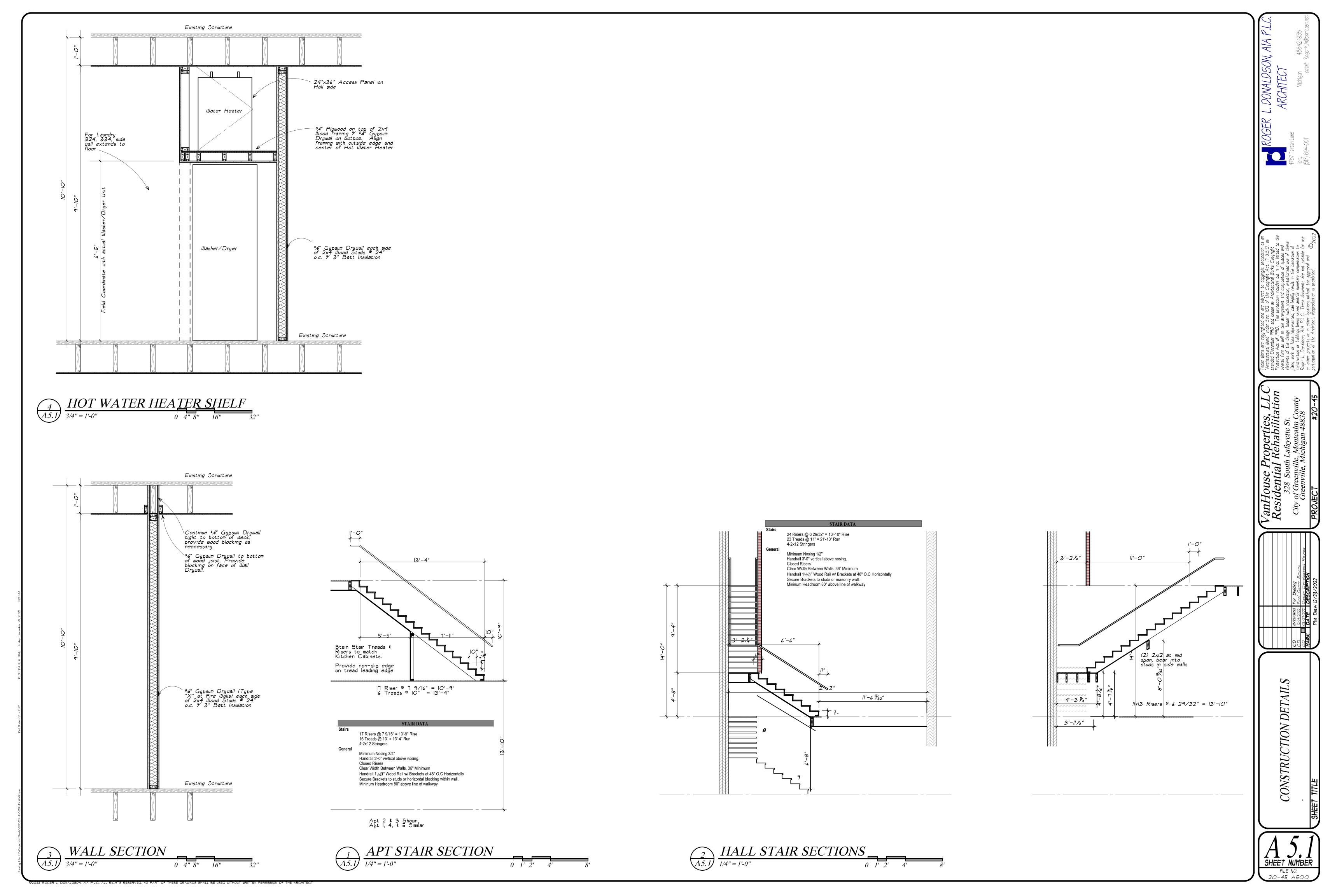
CASEWORK LEGEND

Blind Base Blind Wall Corner Wall Dishwasher Refrigerator Sink Base

Wall Cabinet Sizes XXYY XX = Width in Inches YY = Height in Inches Base Cabinet Sizes WW WW = Width in Inches

VATIONS

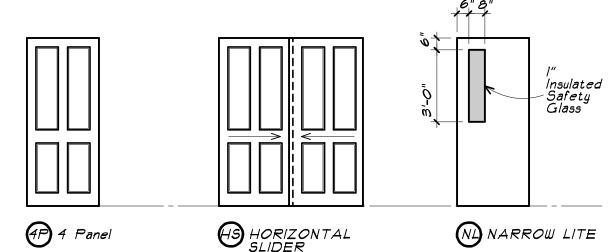
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Number	Size	Type	Material	Hdwe	Label	Glass	Type	Material	Head	Jamb	Label	Remarks
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104	Exist	Exist		Exist			Exist	Exist				
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214	2668	P-4P	SCW	4			<u> </u>	WD				
221	3068	4P	SCW	2			i i	WD				
222	2668	4P	SCW	3			<u>.</u> 	WD				
224	2668	P-4P	SCW	4			<del>.</del>	WD				
231	3068	4P	SCW	2			Ī	WD				
232	2668	4P	SCW	3			Ī	WD				
234	2668	P-4P	scw	4			II	WD				
241	3068	4P	SCW	2			Ī	WD				
242	2668	4P	SCW	3				WD				
244	2668	P-4P	SCW	4				WD				
251	3068	4P	SCW	2				WD				
252	2668	4P	SCW	3				WD				
254	2668	P-4P	SCW	4				WD				
311	2868	4P	scw	5			I	WD				
312	6068	HS-4P	SCW	6				WD				
313	2668	4P	SCW	5			i	WD				
314	6068	HS-4P	SCW	6			i	WD				
321	2868	4P	SCW	5				WD				
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323	2668	4P	SCW	5			<u> </u>	WD				-
324	2868	4P	SCW	7			<u> </u>	WD				
331	2868	4P	SCW	5				WD				
332	2868	4P	SCW	6				WD				
333	2668	4P	SCW	5				WD				
334	2868	4P	SCW	7				WD				
341	2868	4P	SCW	5			Ī	WD				
342	6068	HS-4P	SCW	6			ı	WD				
343	2668	4P	SCW	5			<u> </u>	WD				<u> </u>
	6068	HS-4P	SCW				<u> </u>	1				
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351	2868	4P	SCW	5			<u> </u>	WD				-
352	6068	HS-4P	SCW	6			<u>!</u>	WD				
353	2668	4P	SCW	5				WD				
354	6068	HS-4P	SCW	6				WD				

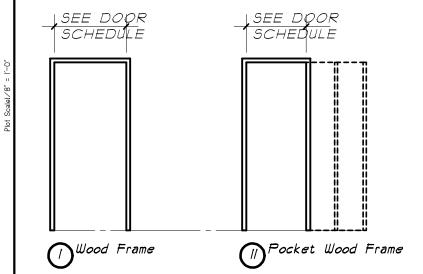
### DOOR SCHEDULE NOTES

- The First two Digits of the Door Size Refers to the Door Width in Feet and Inches, the Second two Digits Refer to the Door Height in Feet and Inches. (i.e. 3068 Represents 3' 0" Wide x 6' 8" High Door).
- All Doors are 1 3/4" Thick Unless Noted Otherwise.
- Frame Type Roman Numerals Refer to Door Frame Types Drawings Shown.
- All Glazing in Doors, Sidelights and Mirrors shall be Safety Glazing and shall comply with MBC 2015 - Section 2406 and CPSC 16 CFR 1201. Safety Glazing shall be properly label for identification.
- Handles, pulls, latches, locks and other operable parts on doors shall have a lever shape that is easy to grasp with one hand and does not require tight grasping, pinching or twisting of the wrist to



DOOR TYPES

½" = 1'-0"



FRAME TYPES

 $\frac{1}{4}'' = 1' - 0''$ 

# **DOOR ABBREVIATIONS:**

- = 4 Panel = Bi Fold
- = Flush
- Hollow Metal = Insulated / Safety Glass
- = Narrow Light SAF = Safety Glass, Tempered or Laminated
- SCW WD = Wood

- = Borrowed Light Frame
- = Half Glass Door
- = Laminated (Safety Glass)
- = Solid Core Wood

# HARDWARE SEPCIFICATION NOTES: Number Designations: Numbers indicating hardware items are ANSI standard number

1.0 Each Lever Lockset - Storage Function

Hardware Set # 02 Apartment Entrance - 20 Minute Rating

Hardware Set # 01 Exterior - Main Entrance

Hardware Set # 04 Apartment Toilet - Pocket

Hardware Set # 05 Apartment Bathrooms

Hardware Set # 06 Apartment Closet

Hardware Set # 08 Lower Level

1.0 Each Wall Door Stop

Hardware Set # 03 Apartment Utilty

Hardware Set # 00 Existing

Each Opening shall have:

Hardware Set # 07 Laundry

- Acceptable Manufacturers/Products: Acceptable manufacturers for various types of products are listed below. An asterisk (\*) following a manufacturer's name designates manufacturer whose products are indicated in Finish Hardware Schedule. Such products are listed in the schedule by specific reference to manufacturers catalog numbers. Except as otherwise indicated, products of equivalent quality, design and function by other listed manufacturers may be used, subject to approval of Architect.
- Comply with applicable building codes at the project site, including but not limited to the 1. Comply with Part 4- State of Michigan Building Code Rules, Barrier Free Design Rules, MBC 2015 and ICC/ANSI A117.1-2009 as adopted April 20, 2017.
- 2. American with Disabilites Act, 2010. 3. ADAAG, Americans with Disabilities Act Accessibility Guidelines
- Provide all exposed hardware in US26D (BHMA 626) finish, Satin Chrome.
- Hinges:
  Mfrs. of Butts: Hager\*, McKinney, Stanley.

-- Pemko 18061CP

- Hager Series BB 1191 Provide full mortise type hinges on each door, except as otherwise indicated, and except as otherwise needed for proper support and operation of doors. Provide stainless steel pins, except steel pins with steel hinges; non removable for exterior and public interior exposure, non rising for non security exposure, flat button with matching plugs. Ball bearing Function: Swaged, inner leaf beveled, square corners.
- 6. Locks, Latches and Bolts: Mfrs. of Lock/Latch Sets, Including Cylinders: Sargent, Schlage\*. Schlage Commerical Cyliner Locksets a. Lever style Neptune
- **Door Control Devices:** Mfrs. of Overhead Closers: LCN 4110 Smoothee, parallel arms, Metal Cover. Provide parallel arm closers as indicated, provide units one size larger than recommended for standard arm units. Size and mount units indicated or, if not indicated, to comply with mfr.'s recommendations for the exposure condition. Reinforce the substrate as recommended
- Door Control Devices Mfrs. of Holders, Stops, Bumpers, Door Kicks, Builders Brass Works, Glynn Johnson, Ives\*, --- Wall Stop Ives WS401CCV --- Kick Down Ives FS455
- Provide grey rubber exposed resilient parts. Mfrs. of Protection Plates, Baldwin, Brookline, Ives, Rockwood. Fabricate Protection Plates not more than 1 1/2" less than door width on stop side x height indicate, stainless steel, 0.50" (U.S.18ga), beveled edges and No. 4 polish finish. Install with
- Weatherstripping: Mfrs. of Weatherstripping: National Guard, Pemko\*, Reese, Zero. Provide manufacturer's standard weatherstripping of type, size and profile indicated, continuous at head and jamb edges of each exterior door opening. Provide non corrosive --- Pemko 306AV Mfrs. of Door Sweep: National Guard, Pemko\*, Reese, Zero.

H	ARDWARE SCHEDULE						ROOM F	INISH SCI	HEDULE				
e Set # 00	Existing		Room	FLO	OR		WA	LLS		CEII	LING	ROOM	
ning shall have		Number	Name	Floor	Base	North	South	East	West	Ceiling	Height	Rating	Remarks
1.0 Set	Clean, Adjust and Verify that Existing Hardware	001	STAIRS DOWN	V-T	V-R	GD4/PT	Ex Brick	GD4/PT	GD4/PT	GD4/PT	Varies		
40 5 1	Operates Properly	101	WAITING	Exist	Exist	Exist	Exist	Exist	Exist	Exist	12'-9±		
1.0 Each	Change Keying to new Master System	102	SALON	Exist	Exist	Exist	Exist	Exist	Exist	Exist	12'-9±		
e Set # 01	Exterior - Main Entrance	103 104	HALL BREAK	Exist Exist*	<u>Exist</u> Exist	Exist GD4/PT	Exist GD4/PT	Exist Exist	Exist Exist	<u>Exist</u> Exist	12'-9± 12'-9±		*See Note #17
ning shall have		104	TOILET	Exist	Exist	Exist	Exist	Exist	Exist	Exist	12'-9±		See Note #17
3.0 Each		107	CLOSET	Exist	Exist	Exist	Exist	Exist	Exist	Exist	12'-9±		
1.0 Each		108	ENTRY	Exist	Exist	Exist	Exist	Exist	Exist	Exist	12'-9±		
1.0 Each				=,,,,,									
	Card Reader												
	24V Electric Strike	200	HALL	VIN PLK	WD	GD4/PT	Ex Brick	GD4/PT	GD4/PT	GD4/PT	9'-9''±		
	Wall Door Stop	201	WEST STAIRS	V-T	<u>V-R</u>	GD4/PT	Ex Brick	GD4/PT	GD4/PT	GD4/PT	9'-9"±		
1.0 Each		202	EAST STAIRS	V-T	V-R	GD4/PT	Ex Brick	GD4/PT	GD4/PT	GD4/PT	9'-9"±		
1.0 Each 1.0 Each		202	STAIRS	VIN PLK	WD_	GD4/PT	GD4/PT	GD4/PT	GD4/PT	GD4/PT	9'-9"±		
1.0 Each	Sweep	210 211	LIVING ENTRY	VIN PLK VIN PLK	WD WD	Ex Brick GD4/PT	GD4/PT GD4/PT	Ex Brick GD4/PT	GD4/PT GD4/PT	GD4/PT GD4/PT	9'-9''± 9'-9''±		
e Set # 02	Apartment Entrance - 20 Minute Rating	212	UTILITY	VIN PLK	WD	GD4/PT	GD4/PT	GD4/PT	GD4/PT	GD4/PT	9'-9"±		
ning shall have		213	KITCHEN	VIN PLK	WD	GD4/PT	GD4/PT	GD4/PT	GD4/PT	GD4/PT	9'-9"±		See Note # 9, 18
2.0 Each		214	TOILET	VIN PLK	WD	GD4/PT	GD4/PT	GD4/PT	GD4/PT	GD4/PT	9'-9''±		See Note # 11
1.0 Each		215	STAIRS UP	WD	WD	GD4/PT	GD4/PT	GD4/PT	GD4/PT	GD4/PT	9'-9"±		
1.0 Each		220	LIVING	VIN PLK	WD	Ex Brick	GD4/PT	GD4/PT	GD4/PT	GD4/PT	9'-9''±		
1.0 Each		221	ENTRY	VIN PLK	WD	GD4/PT	GD4/PT	GD4/PT	GD4/PT	GD4/PT	9'-9''±		
	Wall Door Stop	222	UTILITY	VIN PLK	WD	GD4/PT	GD4/PT	GD4/PT	GD4/PT	GD4/PT	9'-9''±		
1.0 Each	· ·	223	KITCHEN	VIN PLK	<u>WD</u>	GD4/PT	GD4/PT	GD4/PT	GD4/PT	GD4/PT	9'-9"±		See Note # 9, 18
1.0 Each	Viewport	224	TOILET	VIN PLK	WD	GD4/PT	GD4/PT	GD4/PT	GD4/PT	GD4/PT	9'-9"±		See Note # 11
- C-4 // 02	A mandament TIATIA	225	STAIRS UP LIVING	WD VIN PLK	<u>WD</u> WD	GD4/PT	GD4/PT GD4/PT	GD4/PT GD4/PT	GD4/PT GD4/PT	GD4/PT GD4/PT	9'-9''± 9'-9''±		
e Set # 03	Apartment Utilty	230 231	ENTRY	VIN PLK	WD WD	Ex Brick GD4/PT	GD4/PT	GD4/PT GD4/PT	GD4/PT	GD4/PT GD4/PT	9'-9"±		
ning shall have 3.0 Each	Hinge	232	UTILITY	VIN PLK	WD	GD4/PT	GD4/PT	GD4/PT	GD4/PT	GD4/PT	9'-9"±		
	Lever Latchset - Pasasage Function	233	KITCHEN	VIN PLK	WD	GD4/PT	GD4/PT	GD4/PT	GD4/PT	GD4/PT	9'-9"±		See Note # 9, 18
	Wall Door Stop	234	TOILET	VIN PLK	WD	GD4/PT	GD4/PT	GD4/PT	GD4/PT	GD4/PT	9'-9"±		See Note # 11
	1	235	STAIRS UP	WD	WD	GD4/PT	GD4/PT	GD4/PT	GD4/PT	GD4/PT	9'-9"±		
e Set # 04	Apartment Toilet - Pocket	240	LIVING	VIN PLK	WD	Ex Brick	GD4/PT	GD4/PT	GD4/PT	GD4/PT	9'-9''±		
ning shall have		241	ENTRY	VIN PLK	WD	GD4/PT	GD4/PT	GD4/PT	GD4/PT	GD4/PT	9'-9''±		
1.0 Each		242	UTILITY	VIN PLK	WD	GD4/PT	GD4/PT	GD4/PT	GD4/PT	GD4/PT	9'-9"±		
1.0 Each	Johnson Hardware Series 100 Track with 1120	243	KITCHEN	VIN PLK	WD	GD4/PT	GD4/PT	GD4/PT	GD4/PT	GD4/PT	9'-9"±		See Note # 9, 18
40 5 1	Hangers	244	TOILET	VIN PLK	WD_	GD4/PT	GD4/PT	GD4/PT	GD4/PT	GD4/PT	9'-9"±		See Note # 11
1.0 Each		<u>245</u> 250	STAIRS UP LIVING	WD VIN PLK	WD WD	GD4/PT Ex Brick	GD4/PT GD4/PT	GD4/PT GD4/PT	GD4/PT Ex Brick	GD4/PT GD4/PT	9'-9''± 9'-9''±		
1.0 Each	Johnson 1521 Privacy Latch	251	ENTRY	VIN PLK	WD	GD4/PT	GD4/PT	GD4/PT	GD4/PT	GD4/PT	9'-9"±		
1.0 Each	Johnson 150 Edge Pull	252	UTILITY	VIN PLK	WD	GD4/PT	GD4/PT	GD4/PT	GD4/PT	GD4/PT	9'-9"±		
. C.+ 4 05	Anautmont Dathusoms	253	KITCHEN	VIN PLK	WD	GD4/PT	GD4/PT	GD4/PT	Ex Brick	GD4/PT	9'-9"±		See Note # 9, 18
e Set # 05 ning shall have	Apartment Bathrooms	254	TOILET	VIN PLK	WD	GD4/PT	GD4/PT	GD4/PT	GD4/PT	GD4/PT	9'-9''±		See Note # 11
3.0 Each		255	STAIRS UP	WD	WD	GD4/PT	GD4/PT	GD4/PT	GD4/PT	GD4/PT	9'-9"±		
1.0 Each													
1.0 Each		311	BEDROOM	VIN PLK	WD	Ex Brick	GD4/PT	Ex Brick	GD4/PT	GD4/PT	9'-9"±		
1.0 Each	Wall Door Stop	312	CLOSET	VIN PLK	WD	Ex Brick	GD4/PT	GD4/PT	GD4/PT	GD4/PT	9'-9"±		See Note # 8
		313	BATH	VIN PLK	WD WD	GD4/PT	Ex Brick	Ex Brick	GD4/PT	GD4/PT	8'-6"		See Notes #12, 15, 16
e Set # 06	Apartment Closet	314 315	LAUNDRY HALL	VIN PLK VIN PLK	WD WD	Ex Brick GD4/PT	GD4/PT GD4/PT	GD4/PT GD4/PT	GD4/PT GD4/PT	GD4/PT GD4/PT	9'-9''± 9'-9''±		See Notes # 10, 13, 14
ning shall have		315	BEDROOM	VIN PLK	WD	Ex Brick	GD4/PT	GD4/PT	GD4/PT	GD4/PT	9'-9"±		
	Pull Knob	322	CLOSET	VIN PLK	WD	GD4/PT	GD4/PT	GD4/PT	GD4/PT	GD4/PT	9'-9''±		See Note # 8
1.0 Each	Head Track Assembly, Pins & Pivots	323	BATH	VIN PLK	WD	GD4/PT	Ex Brick	GD4/PT	GD4/PT	GD4/PT	8'-6"		See Notes #12, 15, 16
C 4 11 05	Υ 1	324	LAUNDRY	VIN PLK	WD	GD4/PT	GD4/PT	GD4/PT	GD4/PT	GD4/PT	9'-9"±		See Notes # 10, 13
e Set # 07	Laundry	325	HALL	VIN PLK	WD	GD4/PT	GD4/PT	GD4/PT	GD4/PT	GD4/PT	9'-9"±		
ning shall have 3.0 Each		331	BEDROOM	VIN PLK	WD	Ex Brick	GD4/PT	GD4/PT	GD4/PT	GD4/PT	9'-9"±		
1.0 Each		332	CLOSET	VIN PLK	WD	GD4/PT	GD4/PT	GD4/PT	GD4/PT	GD4/PT	9'-9"±		See Note # 8
1.0 Each		333	BATH	VIN PLK	WD	GD4/PT	Ex Brick	GD4/PT	GD4/PT	GD4/PT	8'-6"		See Notes #12, 15, 16
	Wall Door Stop	334	LAUNDRY	VIN PLK	WD_	GD4/PT	GD4/PT	GD4/PT	GD4/PT	GD4/PT	9'-9"±		See Notes # 10, 13
	•	335	HALL	VIN PLK	WD	GD4/PT	GD4/PT	GD4/PT	GD4/PT	GD4/PT	9'-9"±		
e Set # 08	Lower Level	341	BEDROOM	VIN PLK	WD_	Ex Brick	GD4/PT	GD4/PT	GD4/PT	GD4/PT	9'-9"±		Coo Noto # 9
ning shall have	:	342 343	CLOSET BATH	VIN PLK VIN PLK	WD WD	GD4/PT GD4/PT	GD4/PT Ex Brick	GD4/PT GD4/PT	GD4/PT GD4/PT	GD4/PT GD4/PT	9'-9''± 8'-6''		See Note # 8 See Notes #12, 15, 16
3.0 Each	Hinge	344	LAUNDRY	VIN PLK	WD WD	Ex Brick	GD4/PT	GD4/PT	GD4/PT	GD4/PT	9'-9"±		See Notes # 10, 13, 14
1.0 Each	Closer	345	HALL	VIN PLK	WD	GD4/PT	GD4/PT		GD4/PT	GD4/PT	9'-9"+	<u> </u>	000 140100 # 10, 10, 17

VIN PLK | WD | GD4/PT | GD4/PT | GD4/PT | GD4/PT | 9'-9"± | ---

 VIN PLK
 WD
 Ex Brick
 GD4/PT
 GD4/PT
 GD4/PT
 GD4/PT
 GD4/PT
 GD4/PT
 9'-9"±
 -- 

 VIN PLK
 WD
 Ex Brick
 GD4/PT
 GD4/PT
 GD4/PT
 GD4/PT
 9'-9"±
 -- See Note # 8

 VIN PLK
 WD
 GD4/PT
 Ex Brick
 GD4/PT
 Ex Brick
 GD4/PT
 8'-6"
 -- See Notes #12, 15, 16

 VIN PLK
 WD
 Ex Brick
 GD4/PT
 GD4/PT
 GD4/PT
 GD4/PT
 9'-9"±
 -- See Notes # 10, 13, 14

 VIN PLK
 WD
 GD4/PT
 GD4/PT
 GD4/PT
 GD4/PT
 GD4/PT
 9'-9"±
 --

# ROOM FINISH ABBREVIATIONS

8'-0" = 8'-6" Ceiling Height = 9'-9" Ceiling Height, approximate, 5/8" Gypsum Drywall secured to 9'-0"

bottom olf existing joists Existing, No new Finish

EXIST/PT = Existing, Painted

GD4/PT = Gypsum Drywall, Finish Level 4, Painted

NONE No Finish Material **VARIES** Height Varies

= Vinyl Tread

V-T

345

|HALL

CLOSET BATH

LAUNDRY

354 LAUND 355 HALL

BEDROOM

= Vinyl Riser VIN PLK

Vinyl Planking Wood, MDF painted, Plain Craftsman Style

### **ROOM FINISH NOTES:**

All Finishes shall be Class C: (Flame spread index 76-200; smokedeveloped index 0-450) or better. MBC 2015, Chapter 8.

Provide nonabsorbent finish and backing for Toilet Room floors and walls within 2 feet of the Water Closet, MBC 2015, Section

Patch all areas disturbed by Construction work, finish to match adjacent surfaces. Repaint Walls to nearest corner in each

Shower compartments shall be finished with a smooth, nonabsorbent surface to a height not less than 72 inches (1829

When wood frame walls and partitions are covered on the interior with cement plaster or tile of similar material and are subject to water splash, the framing shall be protected with an approved moisture barrier. (§2511.5 2015 MBC)

mm) above the drain inlet. (§1210.2.3 2015 MBC)

Test Shower Liner to hold minimum of 2" water height for minimum of 15 Minutes. Provide evidence of test local inspecting authority. (§312.9 2018 MPC)

Shower Floor surfaces shall be constructed of impervious, noncorrosive, nonabsorbent and waterproof materials. Comply with §421.5-§421.5.2.6, 2018 MPC

Provide Shelf & Clothes Rod full width of Closet.

Kitchen Appliances - Provide for each Apartment:: Electric Stove, glass top LG 30" Model # LREL63235 \$800.00 Microwave 30" over stove, Samsung Model # ME19R7041FS Refrigerator 30" 20 cubic ft Top mount LG, Model # LTCD200205 Dishwasher 18" Frigidaire Model # FFBD1831US

**Laundry Appliances** - Provide for each Apartment: Stackable washer/dryer Whirlpool, Model # WETLV27HW

**Toilet Accessories** - Provide for each Apartment: 18" Towel Bar - Bobrick B-673x18 Toilet Tissue Dispenser - Bobrick B-685

**Bath Accessories** - Provide for each Apartment: Shower Curtain Rod - Bobrick B-207x60 12 Shower Curtain Hooks - Bobrick 204-1 24" Towel Bar - Bobrick B-673x24 18" Towel Bar - Bobrick B-673x18 Toilet Tissue Dispenser - Bobrick B-685

Hot Water Heater Shelf, Provide Shelf above Laundry Equipment for Hot Water Heater. Provide 24"x36" Access Panel in Hall wall for

Provide (4) 48" x 3/4" thick Plastic Laminate Laundry Shelves on Adjustable Metal Standards with 3/4" thick Plastic Laminate End Panel full heigth. See Detail 18/A4.1

Provide (4) 32" x 3/4" thick Plastic Laminate Linen Shelves on Adjustable Metal Standards with 3/4" thick Plastic Laminate End Panel full heigth. See Detail 15/A4.1.

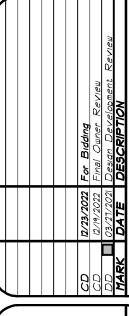
Provide (5) x 3/4" thick Plastic Laminate Linen Shelves on Adjustable Metal Standards in 12" x 18" deep Plastic Laminate

Cabinet with door on continuous hinge. See Detail 16/A4.1.

Patch & refinish Floor, Wall and Ceiling were wall was removed.

Provide dropped Gypsum drywall soffit above counter, 8'-6".

VanHouse F Residential 328 Sout City of Greenville,



H SCHEDULE, H SCHEDULE, SCHEDULE ROOM FINISH S DOOR FINISH S .HARDWARE S

SHEET NUMBER

20-45 A60C

## PLUMBING GENERAL NOTES

- 1. BEFORE COMMENCEMENT OF WORK, THE CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS, ELEVATIONS AND CHARACTERISTICS OF ALL UTILITIES AND PIPING, AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
- 2. EXACT LOCATIONS AND MOUNTING HEIGHTS OF PLUMBING FIXTURES SHALL BE OBTAINED FROM THE ARCHITECTURAL DRAWINGS.
- 3. SEE ARCHITECTURAL DRAWINGS FOR HANDICAP FIXTURE LOCATIONS AND MOUNTING HEIGHTS. (INSULATE ALL EXPOSED HOT WATER AND DRAIN PIPING BELOW HANDICAP LAVATORIES AND SINKS WITH INSULATING TAPE AND OFFSET P-TRAP AGAINST WALL.)
- 4. THE CONTRACTOR SHALL MAKE ALL ARRANGEMENTS WITH UTILITY COMPANIES FOR SERVICES AND CONNECTIONS. PAY ALL FEES AND MAKE APPLICATIONS FOR SERVICE IN THE NAME OF THE OWNER.
- 5. ALL PLUMBING WORK SHALL BE INSTALLED TO AVOID INTERFERENCE WITH ELECTRICAL AND MECHANICAL EQUIPMENT AND STRUCTURAL FRAMING.
- 6. THE PLUMBING CONTRACTOR SHALL PROVIDE THE GAS, WATER, SEWER AND STORM DRAIN SYSTEMS FROM POINT OF CONNECTION TO EXISTING SYSTEMS
- 1. ALL COLD AND HOT WATER PIPING SHALL BE INSULATED WITH I" FIBERGLASS WITH VAPOR BARRIER.
- 8. ALL CLEANOUTS SHALL BE INSTALLED PER CODE AND WHERE READILY ACCESSIBLE. THE CONTRACTOR SHALL COORDINATE ALL CLEANOUT LOCATIONS WITH EQUIPMENT, CABINETS, ETC., AND THE ARCHITECT PRIOR TO ANY INSTALLATION.
- 9. ALL PLUMBING FIXTURE VENTS TO TERMINATE A MINIMUM OF 12 INCHES FROM ANY VERTICAL SURFACE AND 10 FEET FROM ANY OUTSIDE AIR INTAKES.
- 10. ALL VALVES, UNIONS, ETC. TO BE SAME SIZE AS PIPE UNLESS OTHERWISE INDICATED ON DRAWINGS.
- UNIONS SHALL BE PROVIDED AND INSTALLED AFTER EACH SCREW-TYPE VALVE AND PRIOR TO EQUIPMENT CONNECTIONS.
- 12. ALL WORK AND MATERIAL SHALL BE PERFORMED AND INSTALLED IN COMPLIANCE WITH ALL CODES AS ADOPTED AND AMENDED BY THE INSPECTING AUTHORITY. NOTHING IN THESE DRAWINGS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES OR OTHERS APPLICABLE TO THIS PROJECT.
- 13. THE PLUMBING CONTRACTOR SHALL COORDINATE ALL REQUIREMENTS FOR ALL POINTS OF CONNECTION WITH THE GENERAL CONTRACTOR AND OTHER TRADES PRIOR TO INSTALLATION.
- 14. ALL WASTE AND VENT PIPING SHALL SLOPE AT 2% UNLESS OTHERWISE INDICATED.
- 15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING AND REPAIRING ALL AREAS WHICH ARE DAMAGED BY HIS OPERATIONS.
- 16. ALL EXISTING PIPING DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED WITH MATERIALS TO MATCH EXISTING BY THE CONTRACTOR.
- 17. ALL EXISTING PIPING AND EQUIPMENT THAT IS REMOVED SHALL BE DISPOSED OF AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
- 18. ALL CUTTING OF EXISTING FLOORS SHALL BE BY MACHINE SAW CUTTING. HOLES FOR PIPES IN CONCRETE WALLS OR FLOORS SHALL BE DONE BY CORE DRILLING EQUIPMENT.
- 19. CONNECTION BETWEEN INCOMPATIBLE MATERIALS ABOVE GRADE AND INSIDE BUILDING SHALL BE MADE WITH TWO DIELECTRIC UNIONS.
- 20. CAP AND ABANDON ALL EXISTING WASTE PIPING BELOW FLOOR EXCEP INDICATED TO BE REUSED. ROUTER AND CLEAN ALL EXISTING WASTE PIPING TO BE REUSED.
- 21. PROVIDE AS-BUILT DRAWINGS OF THE PLUMBING SYSTEM TO THE OWNER DRAWINGS SHALL INCLUDE ALL EXISTING AND NEW PIPING, VALVES,
- ROUTING, CONNECTIONS, ETC.

  22. EXPOSED SANITARY PIPING SHALL BE NO HUB CAST IRON PAINTED TO MATCH SURROUNDING SURFACES. CONCEALED SANITARY PIPING SHALL BE NO HUB CAST IRON OR SCHEDULE 40 PVC.
- 23. EXPOSED DOMESTIC WATER PIPING PIPING IN FINISHED AREAS SHALL BE TYPE L COPPER PAINTED TO MATCH SURROUNDING SURFACES.

  CONCEALED DOMESTIC WATER PIPING SHALL BE COPPER OR PEX.

		П	EXPANSION TANK
•	<del>'</del>		-3/4" 
RELIEF VALVE RUN PIPE TO DRAIN PAN	十	± \	SHUT-OFF VALVE
<del>/</del> -	l		UNION
			ELECTRICAL ELEMENT
DRAIN PAN W/ 3/4" DRAIN TO FLOOR			DRAIN VALVE
DRAIN / L			MATER HEATER  SHELF

ELECTRIC WATER HEATER DETAIL

SCALE: NONE MO.I.

### PLUMBING EQUIPMENT SCHEDULE KOHLER MODEL K-21285 "ELMBROOK" WHITE VITREOUS CHINA FLOOR MOUNTED TANK TYPE WATER CLOSET WITH ROUND BOWL. 1.28 GALLON FLUSH, ADA HANDLE, 2-5/8" PASSAGEWAY, BEMIS CLOSED FRONT WHITE SEAT, AND HANDLE OPERATED ANGLE STOP. VANITY AND TOP WITH INTEGRAL MOLDED SINK FURNISHED BY ARCHITECTURAL TRADES. PROVIDE A SINGLE LEVER WESTLAKE MODEL 67708W-7001 CHROME FAUCET WITH AERATOR, PERFORATED STRAINER, CHROME PLATED IT GAUGE CAST BRASS ADJUSTABLE P-TRAP WITH CLEANOUT PLUG, CHROME PLATED ANGLE SUPPLIES AND LOOSE KEY STOPS. ELKAY MODEL DLR291810 "LUSTERTONE" 2-COMPARTMENT SELF RIMMING STAINLESS STEEL SINK WITH 18 GA CONSTRUCTION. FULLY UNDERCOATED, MODEL LKIOOICR SINGLE LEVER FAUCET WITH POLISHED CHROME FINISH, SWING SPOUT, AERATOR, SIDE SPRAY WAND, PERFORATED STRAINER, CHROME PLATED IT GAUGE CAST BRASS ADJUSTABLE P-TRAP WITH CLEANOUT PLUG, CHROME PLATED ANGLE SUPPLIES AND LOOSE KEY STOPS. INSINKERATOR MODEL BADGER 5 GARBAGE DISPOSAL WITH 1/2HP, 120 VAC, AND DISHMASHER DRAIN CONNECTION. BEST BATH MODEL 4LETS6030 60"x30" FOUR PIECE FIBERGLASS BATHTUB/SHOWER WITH NO CAULK DRAIN, SOAP DISH, CURTAIN ROD AND SHOWER CURTAIN, AND MODEL KACXSYMIOO3 TUB/SHOWER VALVE WITH SHOWER HEAD AND TUB SPOUT. GUY GRAY MODEL MMB MASHING MACHINE SERVICE BOX WITH 2" DRAIN CONNECTION, I/2" QUARTER TURN HOT AND COLD WATER SHUT OFF VALVES, METAL CONSTRUCTION, AND WHITE POWDER COAT FINISH. GUY GRAY MODEL MIBI ICE MAKER SERVICE BOX WITH QUARTER TURN COLD WATER SHUT OFF VALVE, METAL CONSTRUCTION, AND

WADE SERIES SHOCK STOPS W/ PRECHARGED NITROGEN BELLOWS,

FOR NUMBER OF FIXTURE UNITS BEING SERVED.

WATER HEATER WITH 4.5KW, 240V, I PHASE.

ALL STAINLESS STEEL CONSTRUCTION, MALE PIPE THREADED CONNECTION

250 PSIG WORKING PRESSURE, & SIZED AS NOTED ON DRAWINGS OR

RHEEM MODEL XE38506ST38UI LOW BOY 38 GALLON ELECTRIC WATER

NHITE POWDER COAT FINISH.

ST-I

PLUMBING	SYMBOLS
cw	COLD WATER
——HW ——	HOT WATER
v	<b>VENT</b>
	SANITARY PIPING
——— в ——	GAS
——————————————————————————————————————	GAS COCK
——⋈——	SHUT-OFF YALVE

PLUMBING FIXTURE ROUGH-IN SCHEDULE									
SYMBOL	CW	HW	SAN	VENT	REMARKS				
<u>wc</u>	1"	-	3"	2"					
<u>L</u>	1/2"	1/2"	1 1/2"	1 1/4"					
<u>8K</u>	1/2"	1/2"	1 1/2"	1 1/4"					
<u>BŤ</u>	1/2"	1/2"	2"	1 1/2"					
<u>HWH</u>	3/4"	3/4"	-	-					
<u>GG</u>	1/2"	1/2"	2"	1 1/2"					

# MECHANICAL EQUIPMENT SCHEDULE

GOODMAN MODEL GMVC96-0403BNB MULTI-POSITION, 2-STAGE,

U-2 U-3 U-4 U-5	VARIABLE SPEED GAS FIRED FURNACE WITH 40/28 MBH NATURAL GAS INPUT, 38.4/26.88 MBH OUTPUT, UP TO 96% AFUE, I/2HP, I20VAC, FAN SPEED SET FOR CFM AS INDICATED ON DRAWINGS.
:U-I	GOODMAN GSXI4-OISIM CONDENSING UNIT WITH IS MBH TOTAL

- GOODMAN GSX14-OIBIM CONDENSING UNIT WITH IB MBH TOTAL COOLING CAPACITY, R4IOA REFRIGERANT, 6.5 FLA, 208/230V, I PHASE, IS MOCP, PROVIDE ENCASED HORIZONTAL FLOW EVAPORATOR COIL FOR FU-I.
- EF-I BROAN MODEL XESOBL CEILING EXHAUST FAN/LIGHT COMBO WITH SO CFM@ O.IO" SP, WHITE GRILLE, IIW, 3500K LED LIGHT.
- SG-I HART AND COOLEY MODEL 682 2-WAY SUPPLY GRILLE WITH ALL ALUMINUM CONSTRUCTION, 2/3" SPACED ADJUSTABLE FINS, MULTI-SHUTTER VALVE, NECK SIZE AS INDICATED ON DRAWINGS, AND WHITE FINISH.
- SG-2 HART AND COOLEY MODEL 3II FLOOR SUPPLY GRILLE WITH STEEL CONSTRUCTION, MULTI-ANGLE FINS, MULTI-BLADE SHUTTER WITH FOOT CONTROLS, AND NECK SIZE AS INDICATED ON DRAWINGS,
- SG-3

  HART AND COOLEY MODEL 681 WALL SUPPLY GRILLE WITH ALL ALUMINUM CONSTRUCTION, 2/3" SPACED ADJUSTABLE FINS, MULTI-SHUTTER VALVE, NECK SIZE AS INDICATED ON DRAWINGS, AND WHITE FINISH.
- HART AND COOLEY MODEL 650 RETURN GRILLE WITH STEEL CONSTRUCTION, I/3" SPACED FINS SET AT 20 DEGREES, NECK SIZE AS INDICATED ON DRAWINGS, AND WHITE FINISH.
- RG-2 HART AND COOLEY MODEL 265 FLOOR RETURN GRILLE WITH STEEL CONSTRUCTION, AND SIZE AS INDICATED ON DRAWINGS.
- EWH-I MARKEL MODEL E3323TD-RP-HD RECESSED COMMERCIAL FAN FORCED ELECTRIC WALL HEATER WITH 175 CFM, INTEGRAL THERMOSTAT, I500W, 5120 BTU, 120 VAC, WALL ROUGH-IN BOX, AND HEAVY DUTY GRILLE.
- EBB-I MARKEL MODEL E2910-048C 48" LONG ELECTRIC BASEBOARD HEATER WITH 1000 WATTS, 120 VAC, AND INTEGRAL THERMOSTAT.

# MECHANICAL SYMBOLS THERMOSTAT SUPPLY DIFFUSER (SD) RETURN GRILLE (RG)

# FIRE PROTECTION NOTE

CONTRACTOR SHALL PROVIDE FIRE SUPPRESSION SYSTEM, MONITORING, ALARM AND NOTIFICATION DRAWINGS AND CALCULATIONS, PREPARED BY A FIRE PROTECTION ENGINEER LICENSED IN THE STATE OF MICHIGAN IN ACCORDANCE WITH MICHIGAN BUILDING CODE, INCLUDING SECTION 107.2.2, SECTIONS 903, MICHIGAN MECHANICAL CODE CHAPTER 16 AND CONTAINING INFORMATION AS REQUIRED BY NFPA 13 - 2013, CHAPTER 8.

# MECHANICAL GENERAL NOTES

- INSTALL NEW SYSTEMS AS SHOWN ON DRAWINGS AND AS REQUIRED FOR COMPLETE, FULLY OPERATIONAL SYSTEMS.
- 2. DUCTS, PIPING AND EQUIPMENT ARE SHOWN IN APPROXIMATE
  LOCATIONS ONLY. CONTRACTOR SHALL FIELD VERIFY LOCATIONS AND
  SIZES AND ROUTING BEFORE SUBMITTING BIDS. RELOCATE AND/OR
  REPLACE EXISTING EQUIPMENT, DUCTWORK, LIGHTING, PIPING, VALVES,
  ETC. AS REQUIRED TO MAINTAIN OPERATION OF ALL SYSTEMS.
- 3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS, STRUCTURES, ELEVATIONS, ETC. ANY CONFLICTS WHICH MAY AFFECT THE WORK PRIOR TO STARTING. ANY DIMENSIONS SHOWN ON THE DRAWINGS ARE FOR REFERENCE ONLY AND SHALL BE FIELD VERIFIED PRIOR TO START OF DEMOLITION OR NEW WORK.
- 4. PROVIDE ALL LABOR, MATERIALS, TOOLS, INSURANCE AND ERECTION EQUIPMENT NECESSARY TO CONSTRUCT A COMPLETE READY-TO-OPERATE EQUIPMENT SYSTEM.
- 5. ARRANGE AND PAY FOR ALL PERMITS AND INSPECTIONS REQUIRED. ALL WORK SHALL BE PROVIDED BY A LICENSED CONTRACTOR AND IN ACCORDANCE WITH ALL STATE AND LOCAL CODES, AND WITH THE PROVISIONS OF THE LATEST EDITIONS.
- 6. CONTRACTOR(S) SHALL REMOVE AND HAUL AWAY ALL DEBRIS, EQUIPMENT, PIPES, DUCTS, ETC., FROM THE SITE IMMEDIATELY UPON REMOVAL. FAILURE TO REMOVE AND CLEAN DEBRIS FROM AREAS PROMPTLY SHALL RESULT IN OWNER'S REPRESENTATIVE OPTION TO REMOVE THEM AT CONTRACTOR'S EXPENSE.
- . FILL ALL UNUSED HOLES IN FLOORS AND WALLS WITH GROUT AND SEAL.
- 8. EXISTING PIPING AND EQUIPMENT SHOWN ARE BASED ON AVAILABLE DESIGN PLANS AND FIELD VISITS. ADDITIONAL EXISTING EQUIPMENT, DUCT BRANCHES OR OPENINGS MAY REQUIRE RELOCATION FOR PROPER INSTALLATION OF WORK. ADDITIONAL REMOVAL RELOCATION, PATCHING OR REPAIR, AS MAY BE REASONABLY NECESSARY, SHALL BE PERFORMED AS DIRECTED BY THE ARCHITECT / ENGINEER AT NO ADDITIONAL COST TO THE PROJECT.
- 9. MECHANICAL CONTRACTOR SHALL PROVIDE AS-BUILT DRAWINGS FOR ENTIRE PROJECT INCLUDING, SHOWING DUCTWORK, PIPES, VALVES, EQUIPMENT, CONTROLS, ETC.
- 10. OPERATING AND MAINTENANCE MANUALS SHALL INCLUDE COMPLETE MANUFACTURER'S CUT-SHEETS OF ALL EQUIPMENT AND ITEMS THAT ARE PROVIDED UNDER THIS CONTRACT.
- 11. IN FINISHED AREAS, CUT AND PATCH EXISTING WALLS AS REQUIRED, TO INSTALL ALL NEW MECHANICAL WORK, UNLESS OTHERWISE INDICATED.
- CONTRACTOR SHALL FURNISH SHOP DRAWINGS, TO ARCHITECT FOR ENGINEER'S APPROVAL. ALL DWGS AND SUBMITTALS MUST BE APPROVED BY ENGINEER BEFORE INSTALLATION BEGINS.
- 13. EXISTING WALL THERMOSTATS AND ASSOCIATED TUBING AND WIRING BEING REMOVED SHALL BE REMOVED BY THE CONTRACTOR, PATCH AND REFINISH OPENINGS AND SURFACES AS REQUIRED.
- 14. CONTRACTOR SHALL LEAVE ADEQUATE CLEARANCE AROUND ALL NEW EQUIPMENT, FITTINGS, VALVES, ELECTRICAL PANELS, ETC. FOR SERVICE AND OPERATION.
- 15. CONTRACTOR SHALL COORDINATE IN ADVANCE ALL CRANE WORK AND UNIT REMOVAL/INSTALLATION WITH CONSTRUCTION MANAGER.
- 16. COORDINATE ENTIRE INSTALLATION OF THE HYAC SYSTEM WITH THE WORK OF ALL OTHER TRADES PRIOR TO ANY FABRICATION OR INSTALLATION. PROVIDE ALL FITTINGS, OFFSETS, AND TRANSITIONS AS REQUIRED FOR A COMPLETE WORKABLE INSTALLATION.
- I. COORDINATE THE LOCATIONS OF ALL CEILING DIFFUSERS, REGISTERS
  AND GRILLES WITH THE ARCHITECTURAL REFLECTED CEILING PLAN,
  ELECTRICAL LIGHTING LAYOUT AND ARCHITECTURAL ROOM
- 18. COORDINATE THE LOCATION OF ALL ROOF OPENINGS AND THE LOCATION OF ALL ROOF MOUNTED EQUIPMENT WITH THE STRUCTURAL AND ARCHITECTURAL PLANS PRIOR TO ANY INSTALLATION.
- 19. ALL EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE EQUIPMENT MANUFACTURER'S RECOMMENDATIONS. PROVIDE ALL FITTINGS, TRANSITIONS, DAMPERS, VALVES, AND OTHER DEVICES REQUIRED FOR A COMPLETE WORKABLE INSTALLATION.
- 20. MAINTENANCE LABEL SHALL BE AFFIXED TO ALL MECHANICAL EQUIPMENT AND A MAINTENANCE MANUAL SHALL BE PROVIDED FOR THE OWNER'S USE.
- 21. MANUAL VOLUME DAMPERS SHALL BE PROVIDED IN ALL DUCT BRANCHES TO INDIVIDUAL DIFFUSERS, GRILLES AND REGISTERS.
- 22. ALL EQUIPMENT, DUCTWORK, PIPING, AND OTHER DEVICES AND MATERIALS INSTALLED OUTSIDE OF THE BUILDING OR OTHERWISE EXPOSED TO THE WEATHER SHALL BE COMPLETELY WEATHERPROOFED.
- 23. ALL OUTSIDE AIR INTAKES SHALL BE A MIN. 10'-0" FROM ANY EXHAUST FAN DISCHARGE, PIPING VENTS AND ANY OTHER EXHAUST SYSTEM.
- 24. NATURAL GAS PIPING SHALL BE SCHEDULE 40 BLACK IRON WITH MALLEABLE FITTINGS. EXTERIOR NATURAL GAS PIPING SHALL BE PAINTEX WITH (2) COATS OF ENAMEL PAINT.

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R Applications

EAI, LLC

VanHouse Properties, LLC
Residential Rehabilitation
328 Lafayette
City of Greenville, Montcalm County
Greenville, Michigan 48838

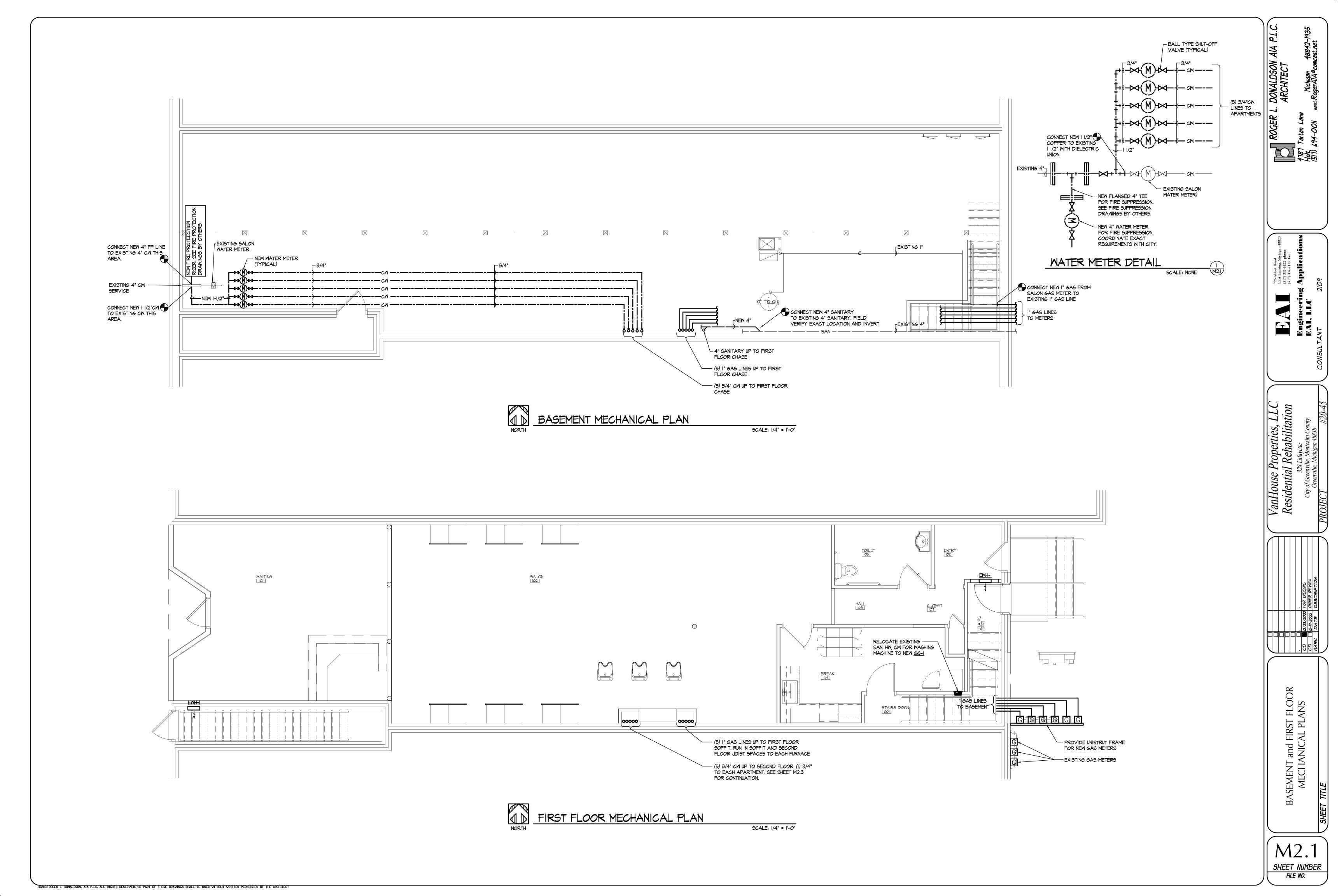
MECHANICAL NOTES, SYMBOLS and DETAILS

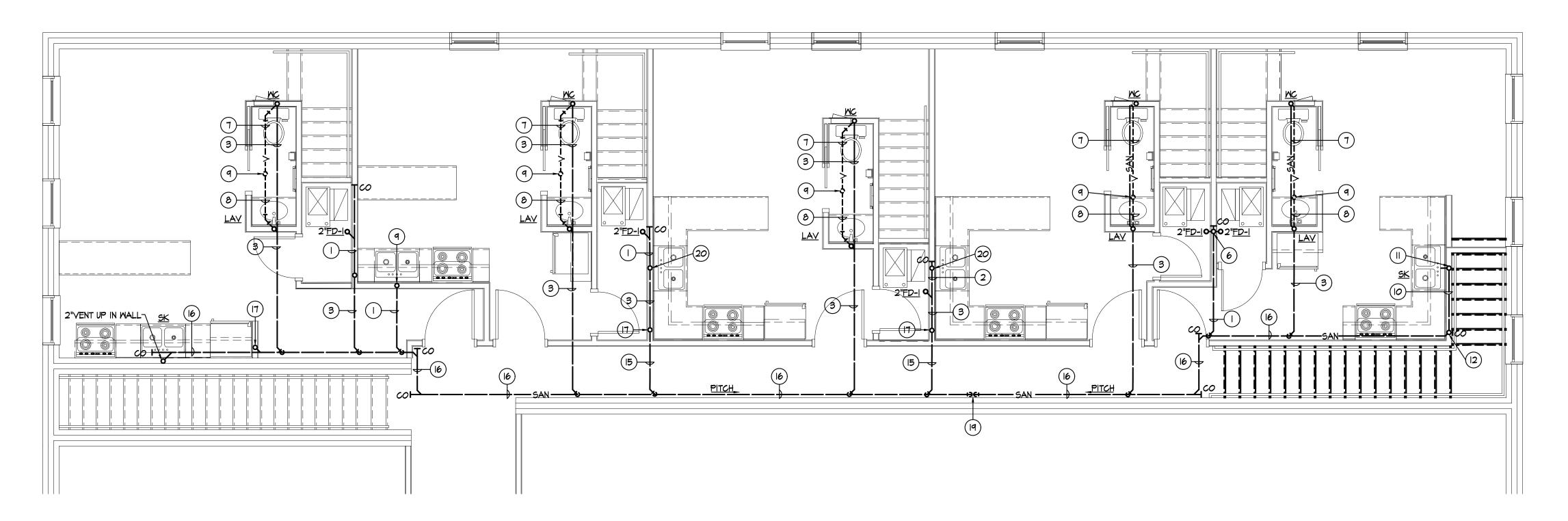
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SHEET NUMBER

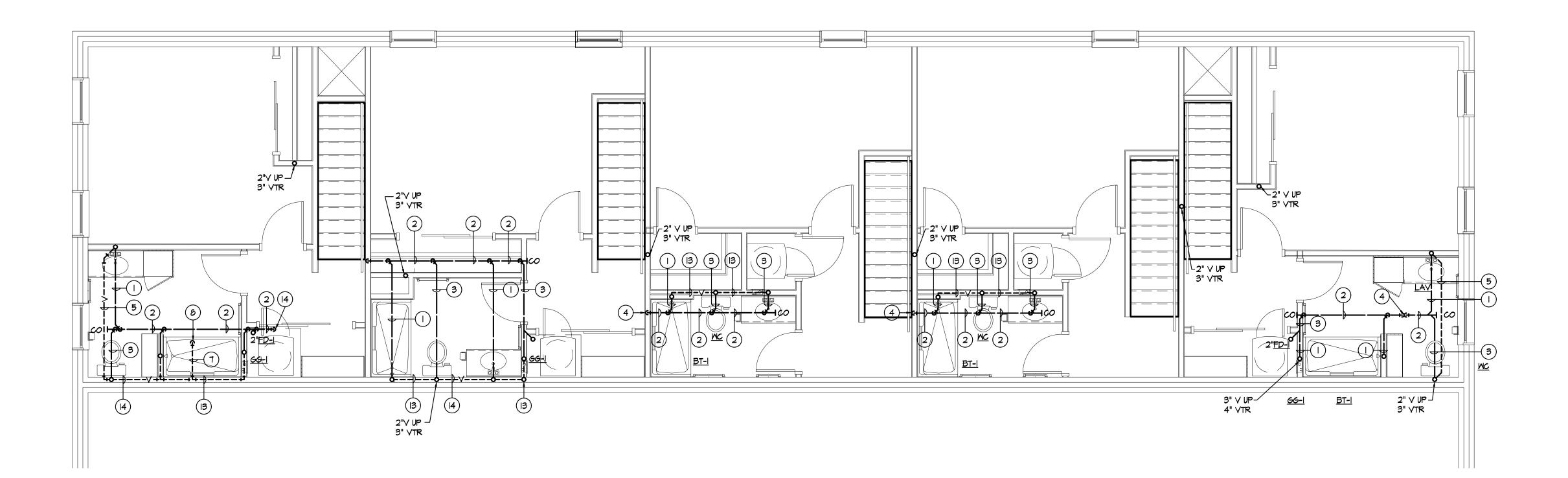
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SECOND FLOOR SANITARY PIPING PLAN SCALE: 1/4" = 1'-0"



THIRD FLOOR SANITARY PIPING PLAN SCALE: |/4" = |'-0"

# ELECTRICAL KEY NOTES:

1) 2" SANITARY RUN IN FLOOR JOIST.

2) 3" SANITARY RUN IN SOFFIT ABOVE CABINETS ON SECOND FLOOR.

(3) 3" SANITARY RUN IN FLOOR JOIST.

(4) 3" SANITARY DOWN IN WALL ON SECOND FLOOR.

5) I 1/2" VENT RUN IN ROOF JOIST.

6 2" SANITARY DOWN IN WALL ON FIRST FLOOR. 2" VENT UP TO THIRD FLOOR.

7) 2" VENT RUN IN FLOOR JOIST OF THIRD FLOOR. (8) I 1/2" VENT RUN IN FLOOR JOIST OF THIRD FLOOR.

9) 2" VENT UP IN WALL ON THIRD FLOOR.

(IO) 2" SANITARY RUN IN WALL.

(II) 2" SANITARY TO SK.

(12) 3" SANITARY UP. 3" SANITARY DOWN. CONNECT 2" FROM SK TO 3" SANITARY.

(13) I 1/2" VENT RUN IN WALL.

(14) 2" VENT RUN IN WALL.

(15) 4" SANITARY RUN IN WALL.

(16) 4" SANITARY RUN BELOW FIRST FLOOR CEILING. PAINT TO MATCH SURROUNDING SURFACES.

(17) 3" SANITARY DOWN FROM SOFFIT ABOVE CABINETS.

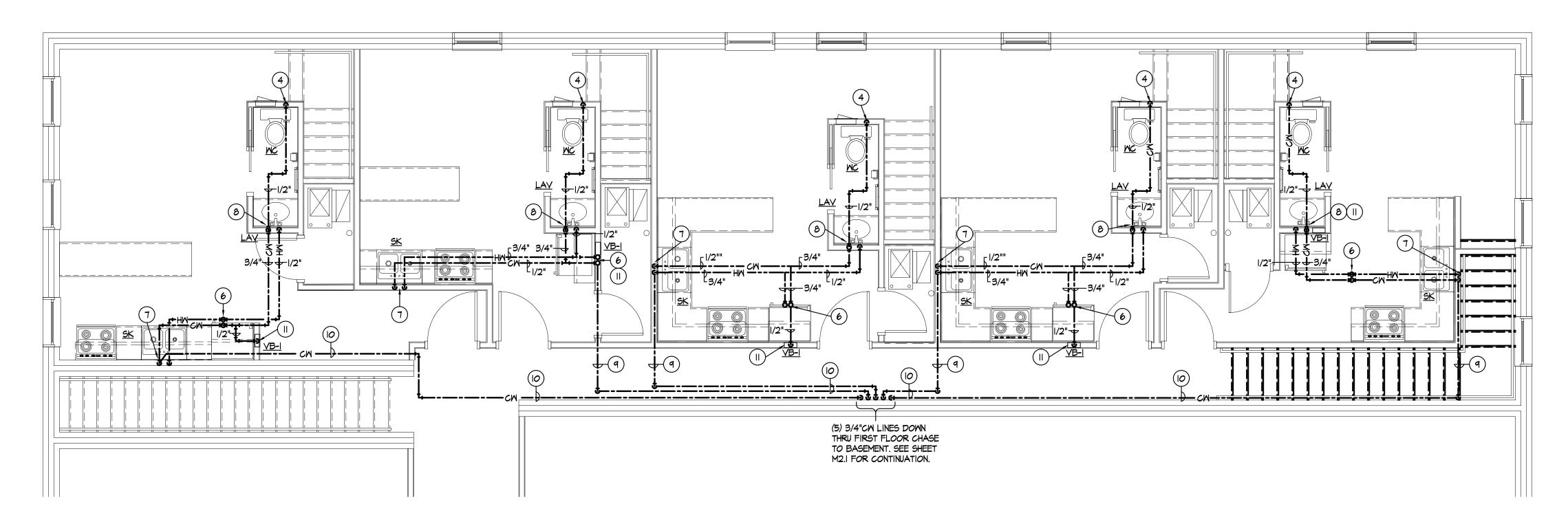
(18) 2" VENT DOWN TO SK ON SECOND FLOOR.

(19) 4" SANITARY DOWN.

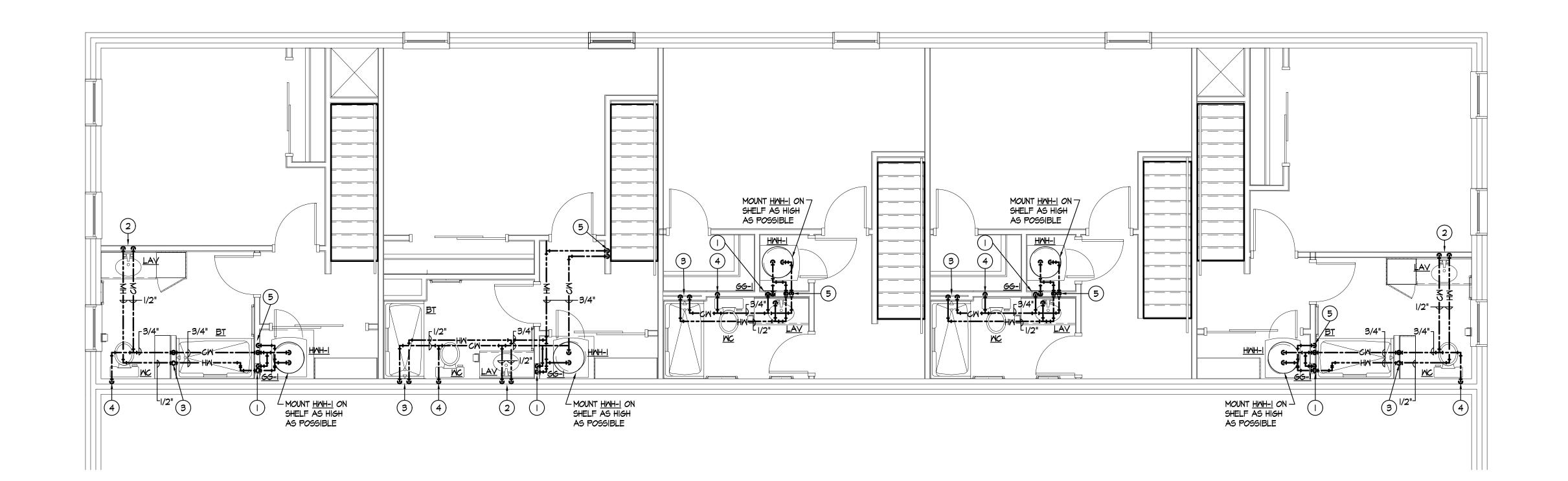
2" SANITARY DOWN TO SECOND FLOOR JOIST SPACE. 2"VENT UP THRU THIRD FLOOR.

SECOND and THIRD FLOOR SANITARY PIPING PLANS

M2.2SHEET NUMBER FILE NO.







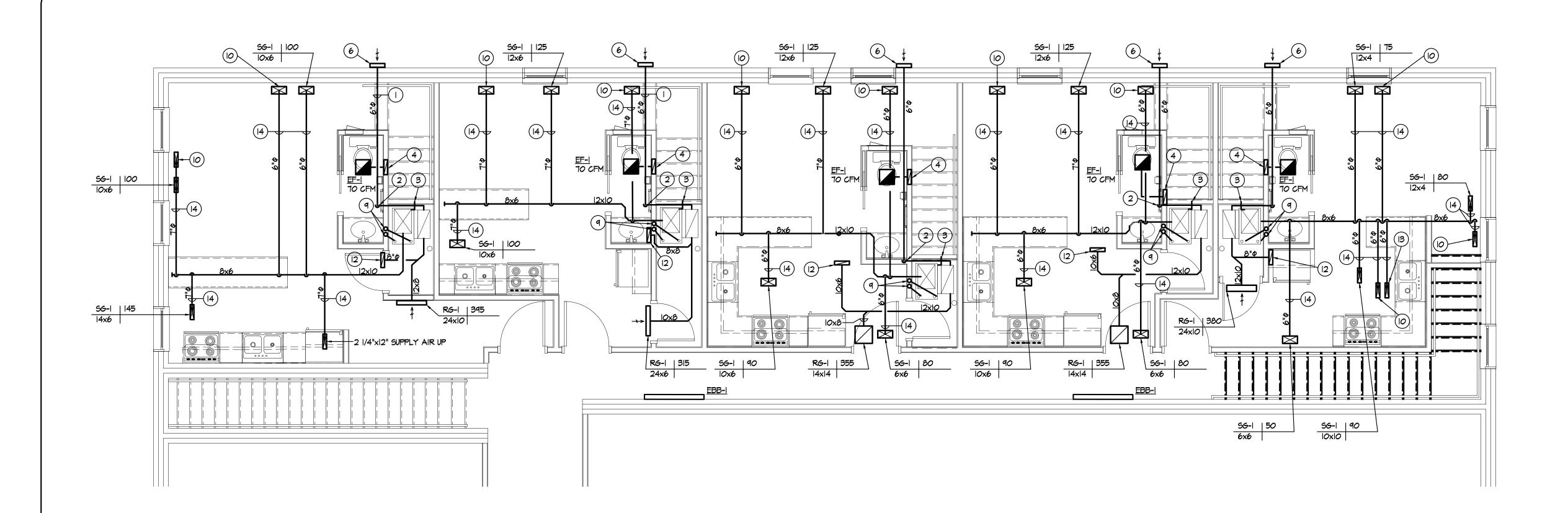


# PLUMBING KEY NOTES:

- 1) 1/2" CM AND HM DOWN TO <u>66-1</u>.
- (2) 1/2" CM AND HM DOWN TO <u>LAV</u>.
- (3) 1/2" CM AND HM DOWN TO BT.
- (4) 1/2" CM DOWN TO MC.
- (5) 3/4" CM AND HM DOWN TO SECOND FLOOR.
- (6) 3/4" CM AND HM UP TO THIRD FLOOR.
- $\fbox{7}$  1/2" CM AND 3/4" HM DOWN. 1/2" CM AND HM TO  $\underline{\text{SF}}.$  1/2" HM TO DISHMASHER.
- 8) 3/4" CM AND 1/2" HM DOWN. 3/4" CM DOWN TO FIRST FLOOR, 1/2" CM AND HM TO LAV.
- 9 3/4" WATER SERVICE RUN IN SECOND FLOOR JOIST SPACE TO APARTMENT. 0 3/4" WATER SERVICE RUN BELOW FIRST FLOOR CEILING.
- | I/2" CM TO <u>√B-I</u>.

SECOND and THIRD FLOOR PLUMBING PLANS

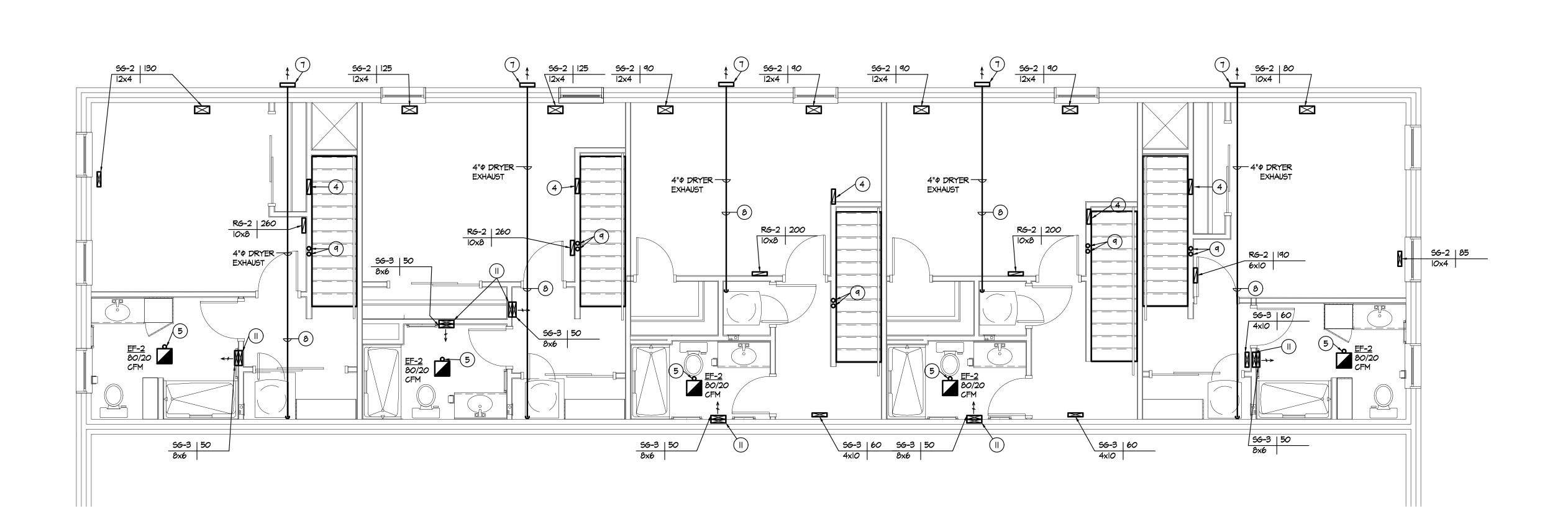
M2.3SHEET NUMBER FILE NO.



SECOND FLOOR HVAC PLAN

# HVAC KEY NOTES:

- (I) RUN 6" INSULATED O.A. DUCT IN THIRD FLOOR JOIST SPACE.
- 2) ROLL 6" O.A. DUCT DOWN TO ABOVE TOILET ROOM CEILING.
- 3) BALANCE FOR 100 CFM O.A.
- (4) 2 1/4"x12" EXHAUST DUCT UP IN WALL TO ROOF WITH ROOF CAP.
- (5) 6" P EXHAUST UP TO ROOF WITH ROOF CAP.
- (6) 6"\$ O.A. INTAKE WALL CAP.
- 7) 4" DRYER VENT WALL CAP.
- (8) RUN 4" P 26 GAUGE DRYER VENT IN ROOF JOIST.
- 9 3" PVC COMBUSTION AIR AND VENT UP IN WALL TO ROOF WITH ROOF TERMINATIONS.
- (10) <u>56-2</u> FLOOR BOOT IN THIRD FLOOR JOIST SPACE.
- (II) 2 1/4"x12" SUPPLY AIR DUCT DOWN IN WALL. (12) <u>RG-2</u> BOOT IN THIRD FLOOR JOIST SPACE.
- (13) 2 1/4"x12" SUPPLY AIR DUCT UP TO THIRD FLOOR.
- (14) DUCT RUN IN THIRD FLOOR JOIST SPACE.



THIRD FLOOR HVAC PLAN

SCALE: 1/4" = 1'-0"

SCALE: 1/4" = 1'-0"

M3.1

Properties, LLC | Rehabilitation | Stafayette | Wontcalm County | Stafayette | Staf VanHouse P Residential

SECOND and THIRD FLOOR HVAC PLANS

SHEET NUMBER FILE NO.

					LOF	4D (	CENTER	₹ 'H'						
		120/240V-IPH-3W				<u>60</u> A	MAIN LUGS				SURFACE MOUNTING			
CKT NO.	LOAD SERVED	REMARKS	СВ	VA Phase A	VA Phase B		 Р Р	VA Phase A	VA Phase B	СВ		LOAD SERVED	REMARKS	CKT NO.
	EMH-I		20	1500			<del>                                     </del>	1000		20	EBB-I			2
3	EBB-I		20		1000	├^-	+		1500	20	EMH-I			4
5	HALL / STAIR LIGHTS		20	220		├~-	+	-			BLANK SPACE			6
7	RECEPTACLE		20		800	├~-	+		-		BLANK SPACE			8
9	DOOR ACCESS SYSTEM		20	500		├~-	+	-			BLANK SPACE			10
П	BLANK SPACE				-	├~-	+		-		BLANK SPACE			12
		TOTAL VA	•	2220	1800			1000	1500		TOTAL VA	TOTAL PHASE A = 2,2		•
				•	•	•		•	•	•		TOTAL PHASE B = 3,3	300 VA = 27.5A	

Apartment

Lighting

Range

Kitchen

Disposal

Laundry Clothes Dryer

Total

Furnace

Hot Water Heater

First 10,000 VA @ 100%

Remainder at 40%

Total Panel Amps

Use Panel Size

Lighting

Range

Kitchen

Dishwasher

Microwave

Disposal

Laundry

Clothes Dryer

Hot Water Heater

HVAC blower coil

First 10,000 VA @ 100%

Remainder at 40%

Total Panel Amps

Use Panel Size

Apartment Area SqFt

Apartment

Lighting

Range

Kitchen

Disposal

Laundry

Clothes Dryer

Hot Water Heater

HVAC blower coil

First 10,000 VA @ 100%

Remainder at 40%

Total Panel Amps

Apartment Area SqFt

Use Panel Size

Apartment

Range Dishwasher

Kitchen

Microwave

Disposal

Laundry

Clothes Drver

Hot Water Heater

HVAC blower coil

Remainder at 40%

Total Panel Amps

Apartment Area SqFt

Use Panel Size

Apartment

Range

Kitchen

Dishwasher

Microwave

Disposal

Laundry

Clothes Dryer

Hot Water Heate

HVAC blower coil

First 10,000 VA @ 100%

Remainder at 40%

Total Panel Amps

Use Panel Size

First 10,000 VA @ 100%

Dishwasher

Microwave

Apartment Area SqFt

Dishwasher

Microwave

Apartment Area SqFt

1962 VA

8000 VA

1500 VA

4500 VA

1200 VA

1200 VA

1500 VA

5000 VA

4500 VA

29362 VA

1200 VA

1596 VA

10000 VA

7744.8 VA

17744.8 VA

73.9 Amps

100.0 Amps

655

1965 VA

8000 VA

1500 VA

4500 VA

1200 VA

1200 VA

1500 VA

5000 VA

4500 VA

1200 VA

1596 VA

10000 VA

7746 VA

17746 VA

73.9 Amps

100.0 Amps

656

1968 VA

8000 VA

1500 VA

4500 VA

1200 VA

1200 VA

1500 VA

5000 VA

4500 VA

29368 VA

1200 VA

1596 VA

10000 VA

VA

73.9 Amps

100.0 Amps

664

1992 VA

1500 VA

4500 VA

1200 VA

1200 VA 1500 VA

5000 VA

4500 VA

29392 VA

1596 VA

7756.8 VA

17756.8 VA

74.0 Amps

100.0 Amp

730

2190 VA 8000 VA

1500 VA

1200 VA

1200 VA

1500 VA

5000 VA

4500 VA

29590 VA

1200 VA

1596 VA

10000 VA

7836 VA

17836 VA

100.0 Amps

VA

4500 VA

8000 VA

House Loads

Total Panel Amps

Electric Baseboard/wall heater

Lighting

\_ighting

Receptacles

Dishwasher

Break Room

Microwave

Washing Machine

otal Panel Amps

Apartment 1

Apartment 2

Apartment 3

Apartment 4

Apartment 5

Salon Service

x1.25

74.3 Amps | Minimum Service Size

Demand Factor Per NEC 220.84

Total Apartment Amps

Total House Load Amps

Estimated Demand Load

Clothes Dryer

Receptacles

VA

220.0 VA

800.0 VA

5000.0 VA

6020.0 VA

2300 VA

18000 VA

1500 VA

3000 VA

1200 VA

1500 VA

5000 VA

32500 VA

18317 VA

1200 VA

1596 VA

21113 VA

88.0 Amps

100.0 Amps

Area SQFT

656

VA

32158 VA

32161 VA

32164 VA

32188 VA

32386 VA

161057 VA

72475.65 VA

25.1

88.0

415.0

518.8

Use 600 Amp Service

302.0 AMPS

518.8 AMPS

<u>APARTMENT BUILDING SERVICE METER BANK</u>

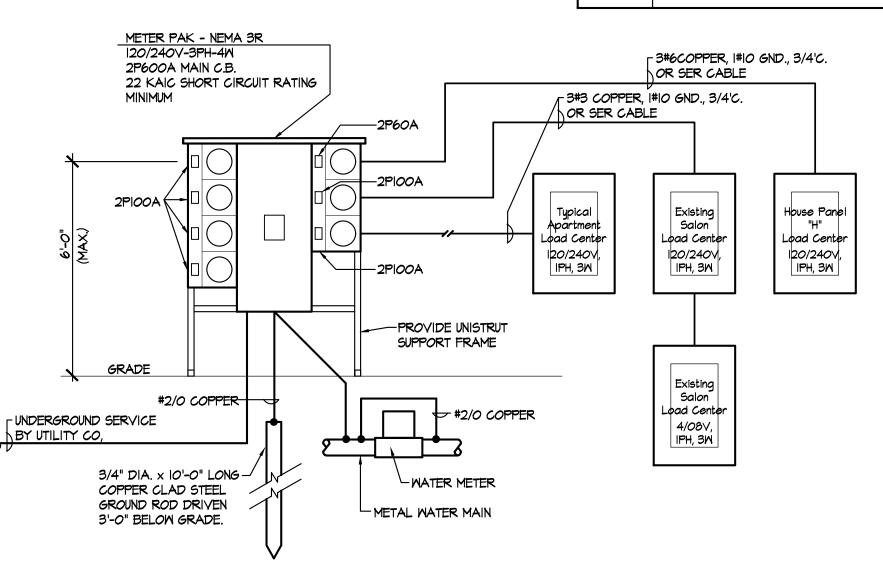
25.1 AMPS

7747.2 VA

29365 VA

		120/240V-IPH-3W				<u>100a main l</u>	<u>165</u>			SURFACE MOUNTING		
KT VO.	LOAD SERVED	REMARKS	СВ	VA Phase A	VA Phase B	99	VA Phase	VA A Phase B	СВ	LOAD SERVED	REMARKS	CKT NO.
ı	DRYER		30	2500			798		15	CONDENSING UNIT		2
3	,				2500	<del></del>		798				4
5	RANGE		40	4000		┠╱╅┼	2250	1	25	HMH		6
7	•				4000	<b>}</b> ^++	$\overline{}$	2250				8
9	MASHING MACHINE	ARC FAULT	20	1500		<b></b>	<u> </u>		20	THIRD FLOOR LIGHTS AND RECEPTACLE	ARC FAULT	10
П	THIRD FLOOR BATHROOM	ARC FAULT	20		-	<u> </u>	$\mathcal{L}$	-	20	HALF BATH	ARC FAULT	12
13	FURNACE		15	936			1676		20	DISPOSAL		14
15	REFRIGERATOR		20		1200	<u> </u>	$\mathbb{k}$	1676	20	KITCHEN RECEPTACLE	ARC FAULT	16
17	KITCHEN RECEPTACLE RANGE HOOD	ARC FAULT	20	1500			<u> </u>		20	SECOND FLOOR LIGHTS AND RECEPTACLE	ARC FAULT	18
19	KITCHEN RECEPTACLE	ARC FAULT	20		1500	<b>-</b> ^++	$\mathcal{L}$	200	15	SMOKE DETECTORS / CO DETECTORS		20
21	BLANK SPACE			-		<b>-</b>	<u> </u>			BLANK SPACE		22
23	BLANK SPACE				-			-		BLANK SPACE		24
		TOTAL VA								TOTAL VA		

ALTERNATE FOR ALUMINUM FEEDERS 60A 3#3, I#8 ALUMINUM, I'C. OR SER CABLE 100A | #3/0, 1#6 ALUMINUM, 1 1/2'C. OR SER CABLE



ELECTRICAL RISER DIAGRAM SCALE: NONE

# ELECTRICAL SYMBOLS

## DESCRIPTION

- 480 VOLT, 3 PHASE, 4 WIRE TWISTLOCK RECEPTACLE NEMA LI6-30R
- DOUBLE DUPLEX GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE, 20A, 125 VOLT.
- EQUIPMENT CONNECTION
- MANUAL MOTOR STARTER
- COMBINATION MOTOR STARTER AND DISCONNECT SWITCH
- JUNCTION BOX
- NON-FUSED DISCONNECT SMITCH (UNLESS OTHERWISE NOTED)
- ABOVE COUNTER TOP
- **WEATHERPROOF**
- ABOVE FINISHED FLOOR
- B.C.T. BELOW COUNTER TOP
- //-- UNSWITCHED POWER WIRING

----- SWITCHED POWER WIRING

- HOMERUN-2#12, 3/4" C. TO IP20A CIRCUIT A15 BREAKER, PANEL "LPA", CIRCUIT #15.
- REX CARD READER
  - REQUEST TO EXIT SENSOR
- SMOKE DETECTOR
- CO DETECTOR

# LIGHT FIXTURE SCHEDULE

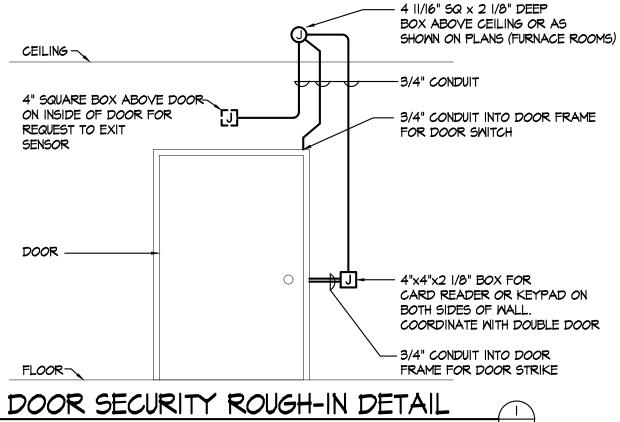
- A. HALO MODEL HLBSL6 SERIES 6" PRECESSED DOWNLIGHT WITH 920 LUMENS, FIELD SELECTABLE COLOR TEMPERATURE - 3000K, 4000K, 5000K, 12.9 WATTS, CANLESS INSTALLATION, AND 120V DIMMING DRIVER. U.L. LISTED FOR WET LOCATIONS. OR APPROVED
- B. METALUX MODEL 4LSTP4040DD 4' LONG LED STRIP LIGHT WITH 4000 LUMENS, 4000K COLOR TEMPERATURE, 41.9 WATTS, UNIVERSAL VOLTAGE DRIVER WITH O-10V DIMMING, AND FROST LENS. OR APPROVED EQUAL.
- C. METALUX MODEL 2LSTP2040DD 2' LONG LED STRIP LIGHT WITH 2000 LUMENS, 4000K COLOR TEMPERATURE, 22.7 WATTS, I20V DRIVER WITH O-IOV DIMMING, AND FROST LENS. OR APPROVED EQUAL.
- D. HALO MODEL HLBSL4 SERIES 4" PRECESSED DOWNLIGHT WITH 620 LUMENS, FIELD SELECTABLE COLOR TEMPERATURE - 3000K, 4000K, 5000K, 10.1 WATTS, CANLESS INSTALLATION, AND 120V DIMMING DRIVER. U.L. LISTED FOR WET LOCATIONS. OR APPROVED
- 3-LIGHT VANITY LIGHT STYLE AS SELECTED BY OWNER WITH 3-8.5W LED BULBS EACH WITH 620 LUMENS, COLOR TEMPERATURE TO MATCH OTHER FIXTURES IN BATHROOM.
- F. LED PENDANT LIGHT STYLE AS SELECTED BY OWNER.
- XA. SURE-LITES MODEL LPXR5 BATTERY POWERED EXIT SIGN WITH WHITE POLYCARBONITE HOUSING, RED LENS, 5W REMOTE CAPACITY, 120/277 VOLT OPERATION. OR EQUAL BY DUAL-LITE OR LITHONIA
- XB. SURE-LITES CAT. #SRPP-25-D-WH DOUBLE WHITE WEATHERPROOF REMOTE HEAD WITH 2-1.25 WATT LED LAMPS, WHITE THERMOPLASTIC HOUSING, AND U.L LISTED FOR WET LOCATIONS. FIXTURE FOR 6 VOLT DC OPERATION. OR EQUAL BY LITHONIA, EMERGI-LITE OR DUALLITE.

# GENERAL ELECTRICAL NOTES AND SPECIFICATIONS

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE EDITION OF THE NATIONAL ELECTRICAL CODE (NEC.), AND ALL STATE AND LOCAL CODES.
- 2. OBTAIN AND PAY FOR ALL PERMITS.
- 3. COORDINATE THE INSTALLATION OF ALL ELECTRICAL EQUIPMENT AND CONNECTIONS WITH ARCHITECTURAL AND MECHANICAL PLANS AND EQUIPMENT DRAWINGS.
- 4. BACK TO BACK OR THRU THE WALL BOXES SHALL NOT BE USED. BOXES INSTALLED ON OPPOSITE SIDES OF A FIRE RATED PARTITION SHALL BE SEPARATED BY 24" MINIMUM.
- 5. IN FINISHED AREAS, ALL CONDUIT SHALL BE CONCEALED AND SWITCHES, RECEPTACLES, STARTERS SHALL BE RECESSED WITH STAINLESS STEEL COVERS.
- 6. PROVIDE GASKETED HINGED COVER COVER PLATE FOR WEATHERPROOF RECEPTACLES & SWITCHES.
- 1. ALL CONDUITS RUN IN FLOOR SLAB SHALL BE SPACED A MINIMUM

OF ONE CONDUIT DIAMETER APART EXCEPT WHERE THEY RISE TO

- 8. ALL CONDUCTORS SHALL BE COPPER ALUMINUM CONDUCTORS
- WILL NOT BE ACCEPTABLE.
- 9. MOTOR LOADS WHICH ARE LESS THAN 6.0 AMPS SHALL BE PROTECTED BY A 15 AMP CIRCUIT BREAKER.
- 10. WIRING SHALL BE METAL CLAD CABLE (TYPE MC) WHERE INSTALLED IN WOOD STUDS. IF INSTALLED IN METAL STUDS OR EVERY WHERE ELSE, WIRING SHALL BE TYPE THW, THWN OR THHN INSTALLED IN CONDUIT. CONDUIT UP TO 4" SHALL BE TYPE EMT. ALL WIRE AND CONDUIT SIZES ARE BASED ON TYPE THUN WIRE.IF TYPE THAN OR THW WIRE IS USED, ALL WIRE AND CONDUIT SIZES SHALL BE ADJUSTED ACCORDINGLY. EXTERIOR UNDERGROUND CONDUIT MAY BE RIGID NON-METALLIC.
- 11. FINAL CONNECTION TO ITEMS SUBJECT TO VIBRATION SHALL BE MADE WITH FLEXIBLE METALLIC OR LIQUIDTITE FLEXIBLE METALLIC CONDUIT. INSTALL LIQUIDTITE FLEXIBLE CONDUIT IN WET, DAMP OR CORROSIVE ATMOSPHERE LOCATIONS. FLEXIBLE METALLIC CONDUIT OR LIQUIDTITE FLEXIBLE METALLIC CONDUIT WILL NOT BE APPROVED FOR USE AS A GROUNDING CONDUCTOR, A SEPARATE GREEN GROUND WIRE SHALL BE INSTALLED IN ALL FLEXIBLE METALLIC CONDUIT AND LIQUIDTITE FLEXIBLE METALLIC CONDUIT.
- 12. NEW CIRCUIT BREAKER PANELS SHALL BE FACTORY ASSEMBLED WITH PLUG-ON CIRCUIT BREAKERS WITH AIC RATING AS INDICATED ON PANEL SCHEDULE. PANEL SHALL HAVE FULL LENGTH NEUTRAL BUS AND CIRCUIT DIRECTORY AND SHALL BE SUITABLE FOR SURFACE OR CONCEALED MOUNTING (AS INDICATED ON PANEL SCHEDULE). RATING AND NUMBER OF POLES SHALL BE AS INDICATED ON THE PANEL SCHEDULE. THE CIRCUIT DIRECTORY SHALL BE TYPED.
- 13. ALL CIRCUIT BREAKERS CONTROLLING OR SWITCHING LIGHT FIXTURES SHALL BE "SWD" RATED. ALL CIRCUIT BREAKERS CONTROLLING HYAC EQUIPMENT SHALL BE "HACR" RATED.
- 14. ALL MOTORS SHALL HAVE PROPER THERMAL OVERLOAD PROTECTION. SIZE OVERLOADS IN FIELD ACCORDING TO MOTOR NAMEPLATE DATA.
- ALL FRACTIONAL HORSEPOWER MOTOR STARTERS SHALL CONSIST OF A HORSEPOWER RATED TOGGLE SWITCH, THERMAL OVERLOAD AND RED PILOT LIGHT IN A COMMON ENCLOSURE. ENCLOSURE SHALL BE NEMA TYPE I FOR INDOOR LOCATIONS AND NEMA TYPE 3R FOR OUTDOOR LOCATIONS.
- 16. ALL DEVICE MOUNTING HEIGHTS SHALL COMPLY WITH THE STATE OF MICHIGAN BARRIER FREE REQUIREMENTS.
- 17. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY COMPONENTS AND PARTS FOR A COMPLETE AND OPERATING INSTALLATION OF ALL DEVICES, EQUIPMENT, LIGHT FIXTURES, FURNITURE PANELS, ETC. ACCORDING TO THE MANUFACTURER'S WIRING DIAGRAM, INSTALLATION INSTRUCTIONS, AND RECOMMENDATIONS.



# SCALE: NONE

# NOTES:

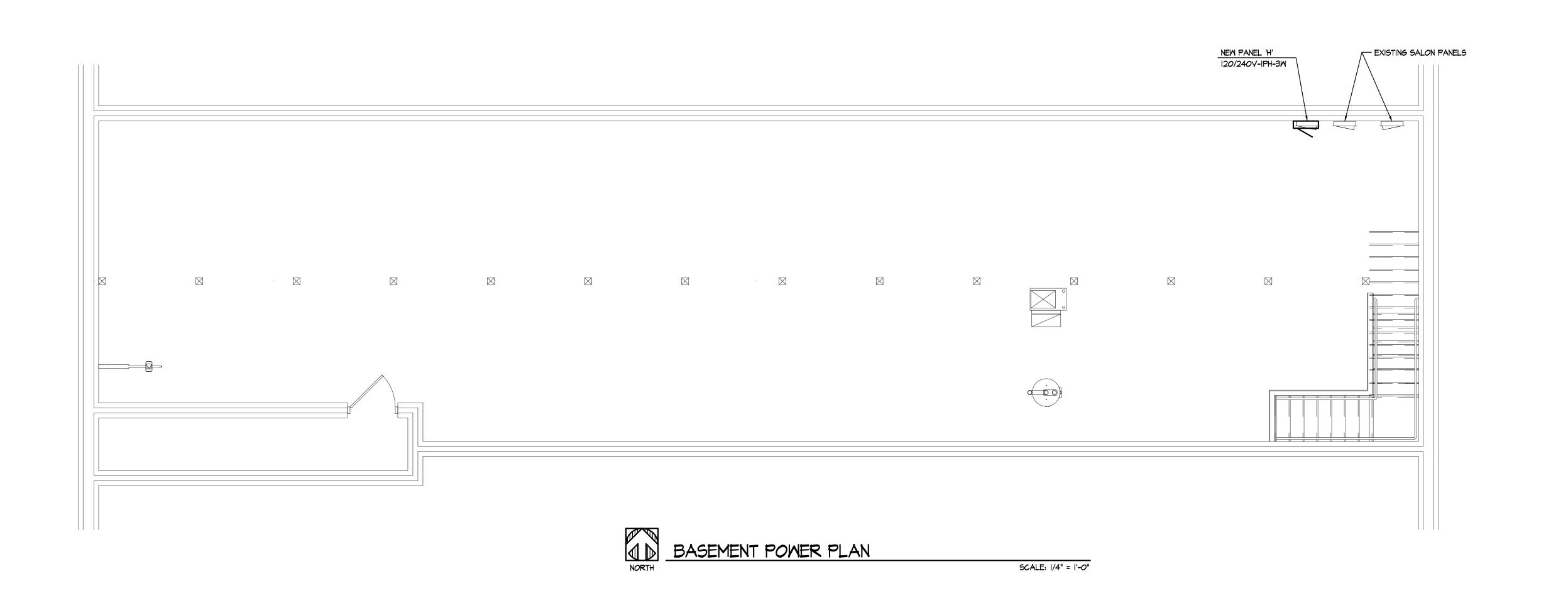
- I. PROVIDE A NYLON BLANK COVER PLATE FOR ALL UNUSED BOXES. COLOR TO MATCH OTHER DEVICE COVER PLATES.
- 2. ALL WIRING TO BE CONCEALED. WHERE NOT POSSIBLE TO CONCEAL, RUN EXPOSED WIREMOLD ON STAIRWELL SIDE OF DOOR OR ELECTRICAL ROOM SIDE OF DOOR.
- 3. DOOR SECURITY SYSTEM FURNISHED BY OWNER. COORDINATE WITH OWNER ALL INSTALLATION REQUIREMENTS.

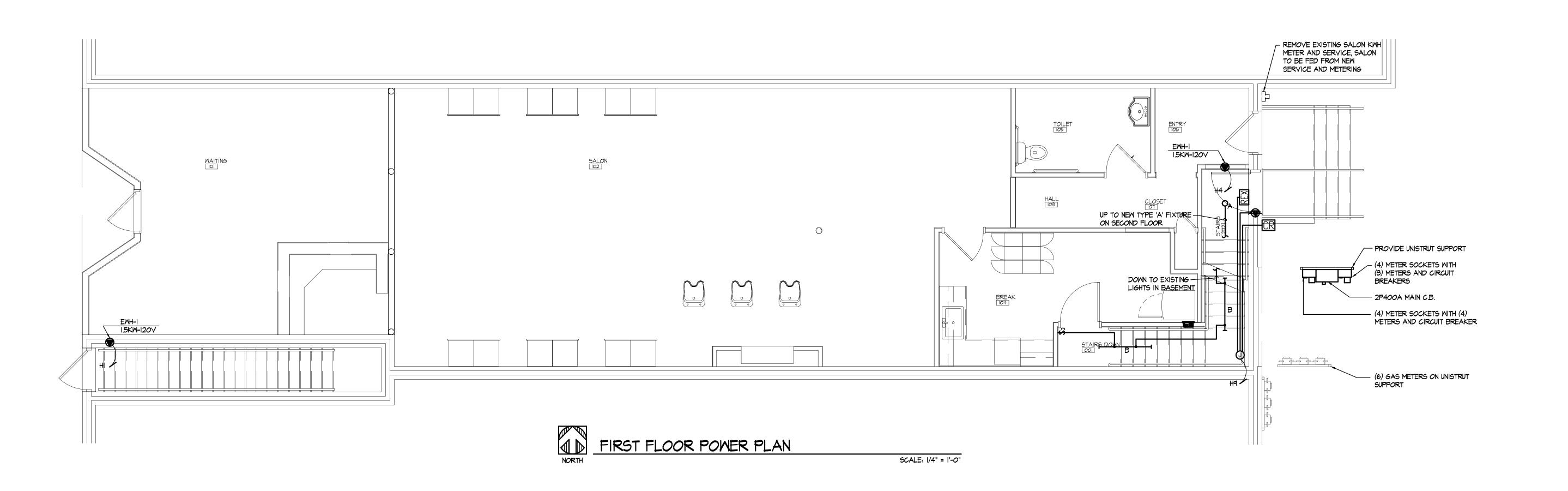
Properties, LLC Rehabilitation

TRICAL NOTES, SCHEDU SYMBOLS and DETAILS

SHEET NUMBER

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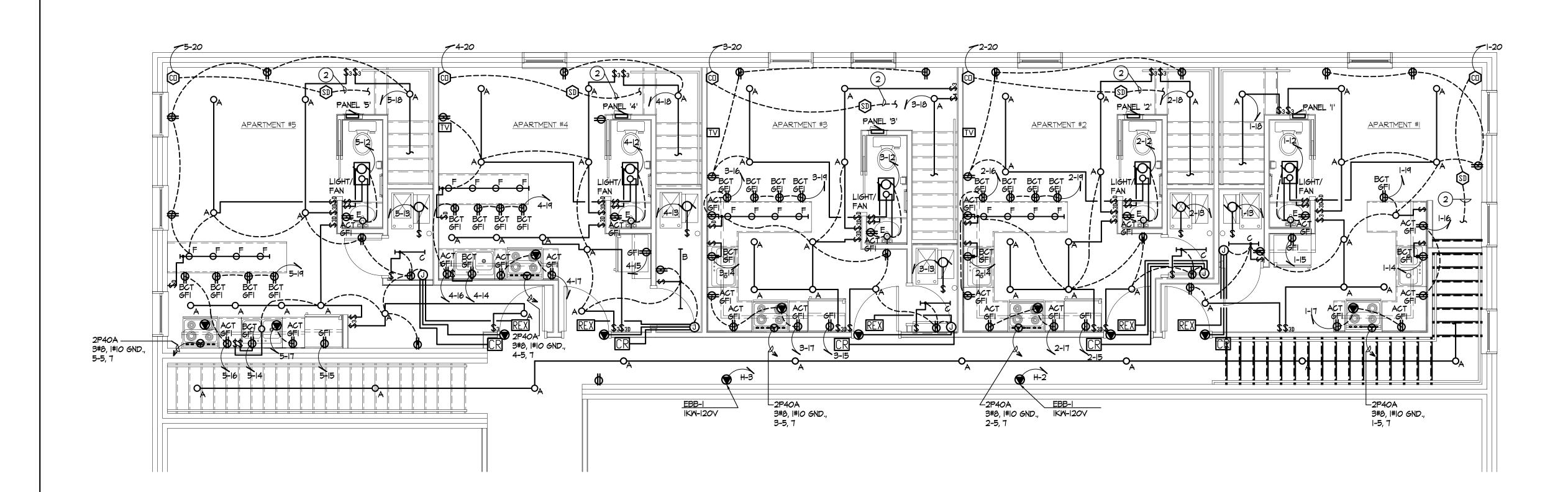
EALTANT 2109

VanHouse Properties, LLC
Residential Rehabilitation
328 Lafayette
City of Greenville, Montcalm County
Greenville, Michigan 48838

BASEMENT and FIRST FLOOR POWER PLANS

E2.1

SHEET NUMBER
FILE NO.

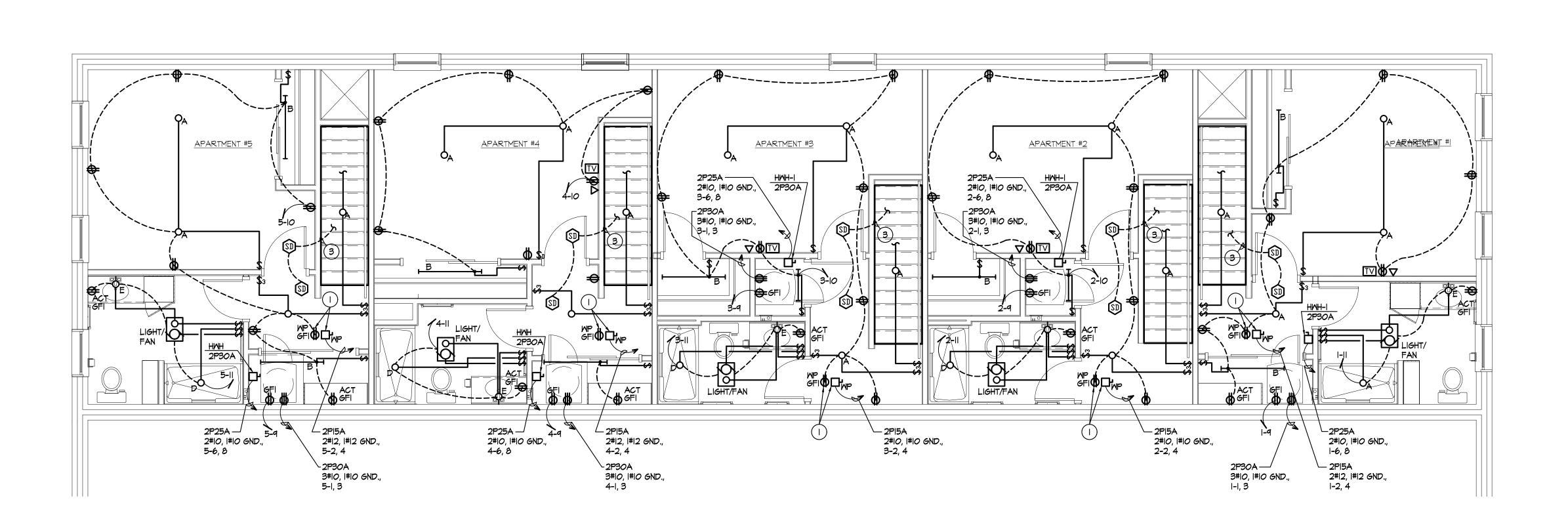


SECOND FLOOR ELECTRICAL PLAN

SCALE: 1/4" = 1'-0"

# POWER KEY NOTES:

- ( ) CONDENSING UNIT AND RECEPTACLE MOUNTED ON ROOF.
- 2 UP TO SD ON THIRD FLOOR.
- 3 DOWN TO SD & CD ON SECOND FLOOR.



THIRD FLOOR ELECTRICAL PLAN SCALE: 1/4" = 1'-0" SECOND and THIRD FLOOR ELECTRICAL PLANS

SHEET NUMBER