

PROJECT MANUAL

INCLUDING PROJECT FORM AND TECHNICAL SPECIFICATIONS

ALLEN COUNTY **THIRD DISTRICT COURT OF APPEALS BUILDING** **1st FLOOR REMODEL**

FOR **ALLEN COUNTY BOARD OF ELECTIONS**

204 NORTH MAIN STREET
LIMA, OHIO 45801

Prepared for:

Allen County Commissioners
GREG SNEARY JAY BEGG CORY NOONAN

by



Mark Lecky Architects, LLC
Architects / Planners
668 S. Ninth St.
Columbus, Ohio 43206
Tel (614) 621-9339

03/21/2019
BID SET 07-11-19

NOTICE TO BIDDERS

Sealed bid proposals for a single Prime General Contract shall be received by the Board of Allen County Commissioners at their office located at 204 North Main Street, Suite 301, Lima, Ohio 45801 **until 11:00 a.m. on Thursday, August 15, 2019**, in which proposals for the required labor and materials will be publicly opened and read aloud for the following project:

ALLEN COUNTY THIRD DISTRICT COURT OF APPEALS BUILDING
1st FLOOR REMODEL for **ALLEN COUNTY BOARD OF ELECTIONS**
204 NORTH MAIN STREET
LIMA, OHIO 45801

A single prime contract bid shall be received for interior remodel and miscellaneous related contract work. In general, the scope of work provides for the remodel of portions of an existing business use space for the Board of Elections services work:

1. General demolition work.
2. Installation of metal studs / gypsum board partition walls, suspended ceilings, interior finishes doors and frames, cabinets.
3. Limited plumbing work for sinks.
4. Modification of existing HVAC system to accommodate new room layout conditions.
5. Electric power and lighting systems work.

Proposals shall be in accordance with the Plans and Specifications prepared by Mark Lecky Architects, LLC., Architects/Planners, 668 South Ninth St., Columbus, Ohio 43206, Tel 614-621-9339. Bidding documents are on file at the County website <https://commissioners.allencountyohio.com/legal-notices/> and at the Facilities Superintendent's office, 301 N. Main Street, 1st Floor, Lima, Ohio for review by all bidders.

A pre-bid meeting will be held at 11:00 A.M. on Tuesday August 6, 2019 beginning in the entry lobby of the project building (204 North Main Street, Lima, Ohio). Any prospective bidders should confirm this time, date, and location with the Facilities Superintendent before the scheduled meeting time. Additional inspection times and dates may be scheduled with Jason Patchet, Facilities Manager, jpatchet@allencountyohio.com.

Each proposal shall be submitted on the form(s) provided and in accordance with the instructions supplied and shall be accompanied by a Bid Guaranty and Contract Bond for the total amount of the base bid, or a certified check, cashier's check, or acceptable letter of credit on a solvent bank in an amount equal to ten (10%) percent of the total amount of the bid, payable to the Allen County Board of County Commissioners. If a bidder fails or refuses to enter into a contract within ten (10) days following notice of acceptance of this proposal, the bidder shall pay the penal sum in accordance with RC 153.54. No bidder may withdraw his bid within sixty (60) days after the date of the receipt of bids.

All bid proposals shall be marked **Bid for ALLEN COUNTY THIRD DISTRICT COURT OF APPEALS BUILDING, 1st FLOOR REMODEL for ALLEN COUNTY BOARD OF ELECTIONS.** Proposals shall contain the full name and address of each person and company interested in the work.

The Bid Guaranty shall be returned to all unsuccessful bidders immediately after the Contract is executed. The Certified Check, Cashier's Check, or Letter of Credit shall be returned to the successful bidder only upon execution of the Contract Bond.

The Board of County Commissioners of Allen County, Ohio reserves the right to reject any or all bids, to waive any informality in any bids, and to award the contract to the lowest and best bidder as determined by the Board of County Commissioners of Allen County.

Project Estimate: Base Bid Work: \$120,000

BY ORDER OF THE BOARD OF COUNTY COMMISSIONERS OF ALLEN COUNTY, OHIO.

Kelli A. Singhaus
Clerk of Board

NTB - 1

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- * DENOTES ITEMS TO BE EXECUTED AND SUBMITTED AS PART OF COMPLETE BID PACKAGE.
- ** DENOTES AIA DOCUMENTS THAT ARE NOT INCLUDED IN THESE PRINTED SPECIFICATIONS. HOWEVER, ALL CONTRACTORS SHALL OBTAIN AND REVIEW THE LATEST EDITION OF THESE CONTRACT DOCUMENTS BEFORE SUBMITTING BIDS.
- *** DENOTES DOCUMENTS THAT ARE REQUIRED TO BE A PART OF THE CONTRACTORS BIDDING AND SHALL BE OBTAIN BY EACH CONTRACTOR PER THE LATEST ISSUE BY THE STATE OF OHIO AND AS OTHERWISE REQUIRED BY LAW.

DIVISION 1	GENERAL REQUIREMENTS
01005	PROJECT INFORMATION
01010	SUMMARY OF WORK
01020	BID ALLOWANCES AND UNIT PRICING
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DIVISION 03	CONCRETE
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DIVISION 04	MASONRY NOT APPLICABLE
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08710	FINISH HARDWARE
DIVISION 09	FINISHES
09250	GYPSUM WALLBOARD AND ACCESSORIES
09510	ACOUSTIC CEILING SYSTEM
09650	RESILIENT FLOORING
09680	CARPET
09900	PAINTING
DIVISION 10	SPECIALTIES
10260	WALL AND CORNER GUARDS
10520	FIRE EXTINGUISHERS AND CABINETS
DIVISION 11	EQUIPMENT NOT APPLICABLE
DIVISION 12	FURNISHINGS
12300	MANUFACTURED CABINETS
DIVISION 15	MECHANICAL REFER TO DRAWING NOTES – SPECIFICATIONS PROVIDED BY OWNER’S CONSULTANT.
DIVISION 16	ELECTRICAL REFER TO DRAWING NOTES – SPECIFICATIONS PROVIDED BY OWNER’S CONSULTANT.

END OF INDEX

NON-COLLUSION AFFIDAVIT

STATE OF OHIO, COUNTY OF ALLEN: ss

_____, being first duly sworn, deposes and states that he/she is the _____ of _____, the party making the foregoing Proposal or Bid; that such Bid is genuine and not a collusive sham; that said bidder has not colluded, conspired, connived or agreed, directly or indirectly, with any bidder or person, to put in sham bid, or that such other person shall refrain from bidding, and has not in any manner, directly or indirectly, sought by agreement or collusion, or communication or conference, with any person, to fix the price of affiant or any other bidder, or to fix any overhead profit or cost element of said bid price, or of that of any other bidder, or to fix any overhead, profit or cost element of said bid price, or of that of any other bidder, or to fix any overhead, profit or cost element of said bid price, or of that of any other bidder, or to secure any advantage against the Allen County Board of Commissioners, or any person or persons interested in the proposed Contract, and that all statements contained in said Proposal or Bid are true; and further, that such bidder has not, directly or indirectly, submitted this Bid, or the contents thereof, or divulged information or data relative thereto any association or to any member or agent thereof.

Affiant

Sworn to and subscribed before me by the above named person this _____ day of _____, 20 ____.

Notary Public

My commission expires: _____

NON-DISCRIMINATION CLAUSE

In the performance of this and all Contracts, the Contractor will be bound by the following *Non-Discrimination Clause*, by this reference hereby made a binding condition of the Contract:

1. The Contractor will not discriminate against any employee or applicant for employment because of race, creed, color or national origin or physical or mental handicap. The Contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, creed, color, national origin or physical or mental handicap. Such actions shall include, but not be limited to, the following: employment, upgrading, demotion or transfer; recruitment or recruitment advertising; layoff or termination; rate of pay or other forms of compensation; and selection or 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 *Non-discrimination Clause*.
2. The Contractor will, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, state that all qualified applications will receive consideration for employment without regard to race, color, creed, national origin, or physical or mental handicap.
3. The Contractor further affirms that he will incorporate or cause to be incorporated into any construction subcontract, the regulations on Equal Employment Opportunity during the performance of this Contract.

By: _____
(Signature)

(Seal — if by a
corporation)

(Title)

(Business Name)

(Address)

(City, State, Zip)

**AFFIDAVIT OF CONTRACTOR OR SUPPLIER OF NONDELINQUENCY
OF PERSONAL PROPERTY TAXES
O.R.C. 5719.042**

STATE OF OHIO COUNTY OF ALLEN

TO: Allen County Commissioners

The undersigned, being first duly sworn, having been awarded a contract by you for the

ALLEN COUNTY THIRD DISTRICT COURT OF APPEALS BUILDING
1st FLOOR REMODEL for ALLEN COUNTY BOARD OF ELECTIONS
204 NORTH MAIN STREET
LIMA, OHIO 45801

project hereby states that we are not charged at the time the proposal was submitted with any delinquent personal property taxes on the general tax list of personal property of any county in which you as a taxing district have territory and that we were not charged with delinquent personal property taxes on any such tax list.

In consideration of the award of the above contract, the above statement is incorporated in said contract as a covenant of the undersigned.

Affiant

Sworn to before me and subscribed in my presences this _____ day of _____, 20__

Notary Public

**CERTIFICATE OF CONTRACTOR
UNRESOLVED FINDINGS OF RECOVERY WITH
AUDITOR OF STATE
ORC 9.24 & 9.241**

I, the undersigned, hereby affirm that the Contractor identified below:

CHECK & COMPLETE ONLY ONE

_____ has no unresolved findings of recovery with the State of Ohio Auditor, as defined by ORC 9.24 & 9.241;
_____ has the following unresolved findings of recovery with the State of Ohio Auditor, as defined by ORC 9.24 & 9.241:

Signed this _____ day of _____, 20____

Contractor: _____

(Signed) _____

Printed Name & Title: _____

**CERTIFICATION/AFFIDAVIT IN COMPLIANCE
WITH O.R.C. SECTION 3517.13**

STATE OF _____

COUNTY OF _____, ss:

Personally appeared before me the undersigned, who is submitting a proposal on behalf of _____, for a contract for the purchase of goods and/or services by County of Allen, Ohio who, being duly cautioned and sworn, makes the following statement with respect to prohibited activities constituting a conflict of interest of other violations under Section 3517.13 of the Ohio Revised Code, and further states that the undersigned has the authority to make the following representation on behalf of the entity if the undersigned as an individual is not the proposer himself or herself:

2. On behalf of the individual, partnership or other unincorporated business, association, estate, or trust that all of the following persons, if applicable, are in compliance with 3517.13 (1)(1)4:

O.R.C. § 3517.13(n(1)(a) provides:

[N]o political subdivision shall award any contract for the purchase of goods with a cost aggregating more than ten thousand dollars in a calendar year or services with a cost aggregating more than ten thousand dollars in a calendar year, to any individual, partnership or other unincorporated business, association, including, without limitation, a professional association organized under Chapter 1785. of the Revised Code, estate, or trust if any of [those persons listed in ~ 1, a-h] ... has made, as an individual, within the previous twenty-four months, one or more contributions totaling in excess of one thousand dollars to the holder of the public office having ultimate responsibility for the award of the contract or to the public officer's campaign committee.

O.R.C. § 3517.13(1)(1)(b) prohibits award of such a contract

[I]f *any combination* of the following has made, within the previous twenty-four months, one or more contributions totaling in excess of two thousand dollars to the holder of the public office having ultimate responsibility for the award of the contract or to the public officer's campaign committee: (i) The individual; (ii) Any partner or owner of the partnership or other unincorporated business; (iii) Any shareholder of the association; (iv) Any administrator of the estate; (v) Any executor of the estate; (vi) Any trustee of the trust; (vii) The spouse of any person identified in divisions (1)(1)(b)(i) to (vi) of this section; (viii) Any child seven years of age through seventeen years of age of any person identified in divisions (1)(1)(b)(i) to (vi) of this section; (ix) Any political action committee affiliated with the corporation or business trust. (Emphasis added.)

- a. the individual;
 - b. each partner or owner of the partnership or other unincorporated business;
 - c. each shareholder of the association;
 - d. each administrator of the estate;
 - e. each executor of the estate;
 - f. each trustee of the trust;
 - g. each spouse of any person identified in (a) through (f) of this section;
 - h. each child seven years of age to seventeen years of age of any person identified in (a) through (f) of this section;
 - i. any combination of persons identified in (a) through (f) of this section.
2. On behalf of a corporation or business trust, except a professional association organized under Chapter 1785 O.R.C., that all of the following persons, where applicable, are in compliance with 3517.13 (1)(1) *(bi)*:

20.R.C. § 3517.13(J)(1)(a) provides:

[N]o political subdivision shall award any contract for the purchase of goods with a cost aggregating more than ten thousand dollars in a calendar year or services with a cost aggregating more than ten thousand dollars in a calendar year, to a corporation or business trust, except a professional association organized under Chapter 17.85. of the Revised Code, if any of [those persons listed in ~ 2, a-c] .. has made, as an individual, within the previous twenty-four months, taking into consideration only owners for all of that period, one or more contributions totaling in excess of one thousand dollars to the holder of the public office having ultimate responsibility for the

award of the contract or to the public officer's campaign committee.

O.R.C. § 3517.13(I)(I)(b) prohibits award of such a contract

[1]f *any combination* of the following has made, within the previous twenty-four months, taking into consideration only owners for all of that period, one or more contributions totaling in excess of two thousand dollars to the holder of the public office having ultimate responsibility for the award of the contract or to the public officer's campaign committee: (i) Owners of more than twenty percent of the corporation or business trust; (ii) Spouses of owners of more than twenty percent of the corporation or business trust; (iii) Children seven years of age through seventeen years of age of owners of more than twenty percent of the corporation or business trust; (iv) Any political action committee affiliated with the corporation or business trust. (Emphasis added.)

- a. an owner of more than twenty percent of the corporation or business trust;
- b. each spouse of an owner of more than twenty percent of the corporation or business trust;
- c. each child seven years of age to seventeen years of age of an owner of more than twenty percent of the corporation or business trust;
- d. any combination of persons identified in (a) through (c) of this section;

PROPOSER:

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SIGNATURE: _____

NAME: _____

TITLE: _____

DATE: _____

Sworn to before me and subscribed in my presence by the above named person this __ day of
_____, 20 .

NOTARY PUBLIC: _____

My Commission Expires: _____

Request for Taxpayer Identification Number and Certification

Give form to the
requester. Do not
send to the IRS.

Print or type
See Specific Instructions on page 2.

Name	
Business name, if different from above	
Check appropriate box: <input type="checkbox"/> Individual/ Sole proprietor <input type="checkbox"/> Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Other ▶ <input type="checkbox"/> Exempt from backup withholding	
Address (number, street, and apt. or suite no.)	Requester's name and address (optional)
City, state, and ZIP code	
List account number(s) here (optional)	

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. For individuals, this is your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 2. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 2.

Social security number								
			+				+	

or

Employer identification number								
			+					

Note: If the account is in more than one name, see the chart on page 2 for guidelines on whose number to enter.

Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me), and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding, and
3. I am a U.S. person (including a U.S. resident alien).

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the Certification, but you must provide your correct TIN. (See the instructions on page 2.)

Sign
Here

Signature of
U.S. person ▶

Date ▶

Purpose of Form

A person who is required to file an information return with the IRS must get your correct taxpayer identification number (TIN) to report, for example, income paid to you, real estate transactions, mortgage interest you paid, acquisition or abandonment of secured property, cancellation of debt, or contributions you made to an IRA.

Use Form W-9 only if you are a U.S. person (including a resident alien), to give your correct TIN to the person requesting it (the requester) and, when applicable, to:

1. Certify the TIN you are giving is correct (or you are waiting for a number to be issued),
2. Certify you are not subject to backup withholding, or
3. Claim exemption from backup withholding if you are a U.S. exempt payee.

If you are a foreign person, use the appropriate Form W-8. See Pub. 515, *Withholding of Tax on Nonresident Aliens and Foreign Entities*.

Note: If a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

What is backup withholding? Persons making certain payments to you must under certain conditions withhold and pay to the IRS 30% of such payments after December 31, 2001 (29% after December 31, 2003). This is called "backup withholding." Payments that may be subject to backup withholding include interest, dividends, broker and barter exchange transactions, rents, royalties, nonemployee pay, and certain payments from fishing boat operators. Real estate transactions are not subject to backup withholding.

You will not be subject to backup withholding on payments you receive if you give the requester your correct TIN, make the proper certifications, and report all your taxable interest and dividends on your tax return.

Payments you receive will be subject to backup withholding if:

1. You do not furnish your TIN to the requester, or
2. You do not certify your TIN when required (see the Part II instructions on page 2 for details), or
3. The IRS tells the requester that you furnished an incorrect TIN, or
4. The IRS tells you that you are subject to backup withholding because you did not report all your interest and dividends on your tax return (for reportable interest and dividends only), or

5. You do not certify to the requester that you are not subject to backup withholding under 4 above (for reportable interest and dividend accounts opened after 1983 only).

Certain payees and payments are exempt from backup withholding. See the instructions on page 2 and the separate *Instructions for the Requester of Form W-9*.

Penalties

Failure to furnish TIN. If you fail to furnish your correct TIN to a requester, you are subject to a penalty of \$50 for each such failure unless your failure is due to reasonable cause and not to willful neglect.

Civil penalty for false information with respect to withholding. If you make a false statement with no reasonable basis that results in no backup withholding, you are subject to a \$500 penalty.

Criminal penalty for falsifying information. Willfully falsifying certifications or affirmations may subject you to criminal penalties including fines and/or imprisonment.

Misuse of TINs. If the requester discloses or uses TINs in violation of Federal law, the requester may be subject to civil and criminal penalties.

Specific Instructions

Name. If you are an individual, you must generally enter the name shown on your social security card. However, if you have changed your last name, for instance, due to marriage without informing the Social Security Administration of the name change, enter your first name, the last name shown on your social security card, and your new last name.

If the account is in joint names, list first and then circle the name of the person or entity whose number you enter in Part I of the form.

Sole proprietor. Enter your individual name as shown on your social security card on the "Name" line. You may enter your business, trade, or "doing business as (DBA)" name on the "Business name" line.

Limited liability company (LLC). If you are a single-member LLC (including a foreign LLC with a domestic owner) that is disregarded as an entity separate from its owner under Treasury regulations section 301.7701-3, enter the owner's name on the "Name" line. Enter the LLC's name on the "Business name" line.

Other entities. Enter your business name as shown on required Federal tax documents on the "Name" line. This name should match the name shown on the charter or other legal document creating the entity. You may enter any business, trade, or DBA name on the "Business name" line.

Exempt from backup withholding. If you are exempt, enter your name as described above, then check the "Exempt from backup withholding" box in the line following the business name, sign and date the form.

Individuals (including sole proprietors) are not exempt from backup withholding. Corporations are exempt from backup withholding for certain payments, such as interest and dividends. For more information on exempt payees, see the Instructions for the Requester of Form W-9.

If you are a nonresident alien or a foreign entity not subject to backup withholding, give the requester the appropriate completed Form W-8.

Note: If you are exempt from backup withholding, you should still complete this form to avoid possible erroneous backup withholding.

Part I—Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box.

If you are a resident alien and you do not have and are not eligible to get an SSN, your TIN is your IRS individual taxpayer identification number (ITIN). Enter it in the social security number box. If you do not have an ITIN, see **How to get a TIN** below.

If you are a sole proprietor and you have an EIN, you may enter either your SSN or EIN. However, the IRS prefers that you use your SSN.

If you are an LLC that is disregarded as an entity separate from its owner (see **Limited liability company (LLC)** above), and are owned by an individual, enter your SSN (or "pre-LLC" EIN, if desired). If the owner of a disregarded LLC is a corporation, partnership, etc., enter the owner's EIN.

Note: See the chart on this page for further clarification of name and TIN combinations.

How to get a TIN. If you do not have a TIN, apply for one immediately. To apply for an SSN, get Form SS-5, Application for a Social Security Card, from your local Social Security Administration office. Get Form W-7,

Application for IRS Individual Taxpayer Identification Number, to apply for an ITIN, or Form SS-4, Application for Employer Identification Number, to apply for an EIN. You can get Forms W-7 and SS-4 from the IRS by calling 1-800-TAX-FORM (1-800-829-3676) or from the IRS Web Site at www.irs.gov.

If you are asked to complete Form W-9 but do not have a TIN, write "Applied For" in the space for the TIN, sign and date the form, and give it to the requester. For interest and dividend payments, and certain payments made with respect to readily tradable instruments, generally you will have 60 days to get a TIN and give it to the requester before you are subject to backup withholding on payments. The 60-day rule does not apply to other types of payments. You will be subject to backup withholding on all such payments until you provide your TIN to the requester.

Note: Writing "Applied For" means that you have already applied for a TIN or that you intend to apply for one soon.

Caution: A disregarded domestic entity that has a foreign owner must use the appropriate Form W-8.

Part II—Certification

To establish to the withholding agent that you are a U.S. person, or resident alien, sign Form W-9. You may be requested to sign by the withholding agent even if items 1, 3, and 5 below indicate otherwise.

For a joint account, only the person whose TIN is shown in Part I should sign (when required). Exempt recipients, see **Exempt from backup withholding** above.

Signature requirements. Complete the certification as indicated in 1 through 5 below.

1. Interest, dividend, and barter exchange accounts opened before 1984 and broker accounts considered active during 1983. You must give your correct TIN, but you do not have to sign the certification.

2. Interest, dividend, broker, and barter exchange accounts opened after 1983 and broker accounts considered inactive during 1983. You must sign the certification or backup withholding will apply. If you are subject to backup withholding and you are merely providing your correct TIN to the requester, you must cross out item 2 in the certification before signing the form.

3. Real estate transactions. You must sign the certification. You may cross out item 2 of the certification.

4. Other payments. You must give your correct TIN, but you do not have to sign the certification unless you have been notified that you have previously given an incorrect TIN. "Other payments" include payments made in the course of the requester's trade or business for rents, royalties, goods (other than bills for merchandise), medical and health care services (including payments to corporations), payments to a nonemployee for services, payments to certain fishing boat crew members and fishermen, and gross proceeds paid to attorneys (including payments to corporations).

5. Mortgage interest paid by you, acquisition or abandonment of secured property, cancellation of debt, qualified tuition program payments (under section 529), IRA or Archer MSA contributions or distributions, and pension distributions. You must give your correct TIN, but you do not have to sign the certification.

Privacy Act Notice

Section 6109 of the Internal Revenue Code requires you to give your correct TIN to persons who must file information returns with the IRS to report interest, dividends, and certain other income paid to you, mortgage interest you paid, the acquisition or abandonment of secured property, cancellation of debt, or contributions you made to an IRA or Archer MSA. The IRS uses the numbers for identification purposes and to help verify the accuracy of your tax return. The IRS may also provide this information to the Department of Justice for civil and criminal litigation, and to cities, states, and the District of Columbia to carry out their tax laws.

You must provide your TIN whether or not you are required to file a tax return. Payors must generally withhold 30% of taxable interest, dividend, and certain other payments to a payee who does not give a TIN to a payer. Certain penalties may also apply.

What Name and Number To Give the Requester

For this type of account:	Give name and SSN of:
1. Individual	The individual
2. Two or more individuals (joint account)	The actual owner of the account or, if combined funds, the first individual on the account ¹
3. Custodian account of a minor (Uniform Gift to Minors Act)	The minor ²
4. a. The usual revocable savings trust (grantor is also trustee)	The grantor-trustee ¹
b. So-called trust account that is not a legal or valid trust under state law	The actual owner ¹
5. Sole proprietorship	The owner ³
For this type of account:	Give name and EIN of:
6. Sole proprietorship	The owner ³
7. A valid trust, estate, or pension trust	Legal entity ⁴
8. Corporate	The corporation
9. Association, club, religious, charitable, educational, or other tax-exempt organization	The organization
10. Partnership	The partnership
11. A broker or registered nominee	The broker or nominee
12. Account with the Department of Agriculture in the name of a public entity (such as a state or local government, school district, or prison) that receives agricultural program payments	The public entity

¹ List first and circle the name of the person whose number you furnish. If only one person on a joint account has an SSN, that person's number must be furnished.

² Circle the minor's name and furnish the minor's SSN.

³ You must show your individual name, but you may also enter your business or "DBA" name. You may use either your SSN or EIN (if you have one).

⁴ List first and circle the name of the legal trust, estate, or pension trust. (Do not furnish the TIN of the personal representative or trustee unless the legal entity itself is not designated in the account title.)

Note: If no name is circled when more than one name is listed, the number will be considered to be that of the first name listed.
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**Department
of Commerce**

Division of Industrial Compliance

Bureau of Wage and Hour Administration
6606 Tussing Road - PO Box 4009
Reynoldsburg, OH 43068-9009
Phone 614-644-2239 | Fax 614-728-8639
TTY/TDD 800-750-0750
www.com.ohio.gov

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John R. Kasich, Governor
David Goodman, Director

Affidavit Of Compliance

PREVAILING WAGES

I, _____
(Name of person signing affidavit) (Title)

do hereby certify that the wages paid to all employees of

(Company Name)

for all hours worked on the

(Project name and location)

project, during the period from _____ to _____ are in
(Project Dates)

compliance with prevailing wage requirements of Chapter 4115 of the Ohio Revised Code. I further
certify that no rebates or deductions have been or will be made, directly or indirectly, from any wages
paid in connection with this project, other than those provided by law.

(Signature of Officer or Agent)

Sworn to and subscribed in my presence this _____ day of _____,
20____.

(Notary Public)

The above affidavit must be executed and sworn to by the officer or agent of the contractor or subcontractor who supervises the payment of employees. This affidavit must be submitted to the owner (public authority) before the surety is released or final payment due under the terms of the contract is made.

1.

CREDIT AFFIDAVIT

_____ the undersigned, being first duly sworn according to law, says that he

is the duly authorized agent of and for _____ Contractor, under a certain

contract with the **COUNTY OF ALLEN** for the

ALLEN COUNTY THIRD DISTRICT COURT OF APPEALS BUILDING

1st FLOOR REMODEL for ALLEN COUNTY BOARD OF ELECTIONS

204 NORTH MAIN STREET

LIMA, OHIO 45801

said contract being known as designated

as _____

Project Number _____ Dated _____ that said contractor has paid all bills for material, labor, and rented or leased equipment used in connection with this contract. In the event there are any unpaid bills, Contractor shall furnish the name, address, and amount of unpaid items and a waiver of lien. Affiant says further that this affidavit is being submitted for contractor of funds which may be due by said contractor by the terms of said contract.

By _____

Sworn to before me and subscribed in my presence this _____ day of _____, 20____.

Notary Public

CERTIFICATE OF COUNTY FISCAL OFFICER

ATTEST:

I, Rachael Gilroy, Allen County Auditor, hereby certify that the money to meet this contract has been lawfully appropriated for the purpose of the contract and is in the treasury of Allen County, Ohio, or is in the process of collection to the credit of the appropriate fund free from prior encumbrances. This Certificate is given in compliance with Section 5705.41 of the Ohio Revised Code.

Dated: _____ ,

County Auditor

County of Allen, Ohio

FORM OF PROPOSAL

NOTE 1 The wording of this Proposal shall be retained throughout, without changes, alterations, or additions.

Any change in the wording may cause the Proposal to be rejected as not complying with the law.

NOTE 2 The Form of Proposal shall be accompanied by a BID GUARANTY meeting the requirements of Section 153.54 of the Ohio Revised Code. (See Note "C": BID GUARANTY of this form.)

NOTE 3 The attention of the bidder is called to Article 3 of the Instructions to Bidders regarding STANDARDS-SUBSTITUTIONS.

NOTE 4 Failure to acknowledge receipt of all addenda on the Form of Proposal will result in rejection of bid.

PROPOSAL

Submitted by: _____

_____, Date _____

To the Board of Commissioners of Allen County in Lima, Ohio. Having read the specifications and examined the drawings entitled:

ALLEN COUNTY THIRD DISTRICT COURT OF APPEALS BUILDING

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204 NORTH MAIN STREET

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prepared by Mark Lecky Architects, LLC., Architects/Planners, 668 South Ninth St., Columbus, Ohio 43206, for the BOARD OF COMMISSIONERS, ALLEN COUNTY, 204 North Main Street, Lima, Ohio 45801, and having received, read, and taken into account Addenda Numbers; _____, and likewise having inspected the site of and conditions affecting and governing the construction of said project, the undersigned hereby proposes to furnish all materials and to perform all labor, as specified and described in the said drawings for said work, for the following sums:

BASE BID:

ITEM 1. GENERAL CONTRACT:

The Contractor shall provide separate line item costs for base bid labor, base bid materials, and total base bid for the General Contract work as indicated on the drawings and as specified:

_____, Dollars \$ _____
ALL LABOR for the sum of

_____, Dollars \$ _____
ALL MATERIAL for the sum of

_____, Dollars \$ _____
TOTAL BID for the sum of

ALTERNATES:

ITEM 1A ALTERNATE G-01:

Alternate G-01 to include all labor and materials to provide the following: The cost to provide the cabinets & counter; and the sink, faucet and final installation thereof in the Lounge as shown on the plans and interior elevation A, Sheet 2. The base bid shall include the rough-ins for the plumbing for the sink (capped at wall) and all electrical work. If Alternate G-01 is accepted, add to the base bid as follows:

_____, Dollars \$ _____
TOTAL SUM OF ALL LABOR AND MATERIALS FOR ALTERNATE G-01 WORK.

ITEM 1B ALTERNATE G-02:

Alternate G-02 to include all labor and materials to provide the following: The cost to provide the cabinets & counter; and the sink, faucet and final installation thereof in the Meeting room as shown on the plans and interior elevation B, Sheet 2. The base bid shall include the rough-ins for the plumbing for the sink (capped at wall) and all electrical work. If Alternate G-02 is accepted, add to the base bid as follows:

Dollars \$ _____

TOTAL SUM OF ALL LABOR AND MATERIALS FOR ALTERNATE G-02 WORK.

ITEM 1C ALTERNATE G-03:

Alternate G-03 to include all labor and materials to provide the following: The cost to provide the floor finishes, for the Meeting Room, Equipment Room & Tabulation Room, as indicated on the Finishes Schedule, Sheet 2. Base bid work will include leaving the existing finishes (carpet) and provisions for replacement of wall base to match the existing at all new walls & disturbed wall locations. If Alternate G-03 is accepted, add to the base bid as follows:

Dollars \$ _____

TOTAL SUM OF ALL LABOR AND MATERIALS FOR ALTERNATE G-03 WORK.

ITEM 2. UNIT COSTS FOR ADDITIONAL WORK:

2A. (Not applicable).

ITEM 3. BREAK OUT COSTS

3A. (Not applicable)

ITEM 4. CONTRACTOR QUALIFICATIONS INFORMATION:

The general contractor and his subcontractors shall provide proof of regular and successful business in the areas of work required for this project. Provide scope of work, names of skilled craftsmen providing the work and any other information needed to prove qualifications to meet this project's requirements.

NOTE "A" TIME OF COMPLETION

- a) The Contractors agree to complete all work embodied in this contract within 90 consecutive calendar days (as outlined in Specifications Section 01005, 1.06) and after receipt of the Notice to Proceed.
- b) On failure to have all work completed within the period of time stated above, the contractors shall forfeit and pay, or cause to be paid, to the County, for and as liquidated damages to be deducted from any payments due or to become due to the said Contractor, the sum of \$200.00 per consecutive calendar day, for each and every day thereafter that said work remains in an unfinished condition.

NOTE "B"

Bids submitted under this proposal are acknowledged by the County to be made under condition that the contractor shall not be prevented, due to strikes or other disruptions affecting sources of supply or the normal progress of the work, from obtaining materials necessary to carry out the contract and to complete the construction covered thereby. This does not mean that the County is responsible to the contractor for delays of this nature, therefore the County will not be held liable for the contractor's failure to complete the project within the time limits due to these or any other similar causes.

NOTE "C" BID GUARANTY

Bidder must submit with his Form of Proposal one (1) of the following BID GUARANTIES meeting the requirements of Section 153.54 of the Ohio Revised Code.

- a) Bidder is cautioned that BID GUARANTY required by Section 153.54 (B) O.R.C. be submitted on Form of Bid Guaranty and Contract Bond, furnished by Architect, and that the Bond is signed by both the Surety (Sureties) and Bidder.

IF THE AMOUNT IS LEFT BLANK, THE PENAL SUM OF THE BID GUARANTY AND CONTRACT BOND WILL BE THE FULL AMOUNT OF THE PRINCIPAL'S BASE BID PLUS ADD ALTERNATES; ALTERNATIVELY, IF COMPLETED, THE AMOUNT MUST BE NOT LESS THAN THE FULL AMOUNT OF THE BASE BID PLUS ADD ALTERNATES, STATED IN DOLLARS AND CENTS. A PERCENTAGE IS NOT ACCEPTABLE.

The requirements of Section 3905.41 of the Ohio Revised Code may be applicable to require the Bid Guaranty and Contract Bond to be countersigned by an Ohio resident agent. It is the duty of the bidder to determine

applicability of Section 3905.41. Non-compliance with Section 3905.41 will cause the bidder's proposal to be rejected. Name and address of endorsers shall also be typed immediately below signatures.

b) In lieu of the BID GUARANTY and Contract Bond required above in NOTE "C" (1), the bidder may submit the BID GUARANTEE required by Section 153.54 (C) O.R.C. in the form of a Certified Check, Cashier's Check, or Letter of Credit pursuant to Chapter 1305 Ohio Revised Code and shall be equal to ten (10%) percent of the total Bid. The BID GUARANTY shall be payable to the County.

c) Lowest responsive and responsible bidder will be required to furnish Contract Bond for full amount of award.

NOTE "D"

Bidder is cautioned to bid on the "Standards" specified and to enter on the "Substitution Sheet" all material which the Bidder wishes to have considered for possible SUBSTITUTION.

NOTE "E"

There shall be no discrimination based upon race, creed, color, religion, national origin, or ancestry.

NOTE "F"

The Bidder shall supplement proposal by supplying the following information for use in the preparation of the Contract.

NAME OF INDIVIDUAL MEMBERS OF THE FIRM: _____

NAME OF COMPANY/CORPORATION: _____

NAME OF PRESIDENT: _____

CORPORATION IS ORGANIZED UNDER THE LAWS OF: _____

ADDRESS: _____

FEDERAL TAX I.D. #: _____

TELEPHONE #: _____ FACSIMILE #: _____

EXECUTION OF PROPOSAL:

NOTE: Failure to sign proposal may result in rejection of bid.

THIS PROPOSAL SUBMITTED BY:

(NAME OF CONTRACTOR)

BY: _____ DATE: _____
(SIGNATURE OF CONTRACTOR OR AUTHORIZED REPRESENTATIVE)

Contact person for Contract processing: _____

Mailing address if different from above: _____

Tel: _____ Email: _____

SUBSTITUTION SHEET

ALLEN COUNTY THIRD DISTRICT COURT OF APPEALS BUILDING

1st FLOOR REMODEL for ALLEN COUNTY BOARD OF ELECTIONS
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LIMA, OHIO 45801

All Proposals must be based on the Product Standards specified in the Project Manual. Refer to Standards and Substitutions in Article 3 of the Instructions to Bidders, regarding the use of materials or methods other than the specified Standards.

Bidder shall list in the spaces below any Substitutions for which consideration is requested, showing the Addition or Deduction in price to be made for each, if the Substitution is accepted, or stating No Change in Price, if no change in cost is proposed as a result of the Substitution.

[illegible]

It is understood and agreed that the Form of Proposal submitted is based on providing the Standards as specified and entitles the County to require such named materials and methods be incorporated into the work, except as Substitutions for the same, based on the supplementary quotations above are accepted and subsequently made a part of the written contract.

BID GUARANTY AND CONTRACT BOND

KNOW ALL MEN BY THESE PRESENTS, that we, the undersigned,

_____¹ as Principal and

_____²

as Surety, are hereby held and firmly bound unto the Board of Commissioners of Allen County, Ohio as Oblige, in the penal sum of the dollar amount of the bid submitted by the Principal to the Oblige on this _____ day of _____, 20____³ to undertake the project known as:

ALLEN COUNTY THIRD DISTRICT COURT OF APPEALS BUILDING

1st FLOOR REMODEL for **ALLEN COUNTY BOARD OF ELECTIONS**

204 NORTH MAIN STREET

LIMA, OHIO 45801

The penal sum referred to herein shall be the dollar amount of the Principal's bid to the Oblige, incorporating any additive or deductive alternate proposals made by the Principal on the date referred to above to the Oblige, which are accepted by the Oblige. In no case shall the penal sum exceed the amount of:

_____ DOLLARS (\$ _____). If this item is left blank, the penal sum will be the full amount of the Principal's bid, including alternates. Alternatively, if completed, the amount stated must not be less than the full amount of the bid, including alternatives in dollars and cents. A percentage is not acceptable.

For the payment of the penal sum well and truly to be made, we hereby jointly and severally bind ourselves, our heirs, executors, administrators, successors and assigns.

THE CONDITION OF THE ABOVE OBLIGATION IS SUCH, that whereas the above named Principal has submitted a bid on the above referred to project;

NOW, THEREFORE, if the Oblige accepts the bid of the Principal and the Principal fails to enter into a proper contract in accordance with the bid, plans, details, specifications, and bills of material; and in the event the Principal pays to the Oblige the difference not to exceed ten percent of the penalty hereto between the amount specified in the bid and such larger amount for which the Oblige may in good faith contract with the next lower bidder to perform the work covered by the bid; or in the event the Oblige does not award the contract to the next lower bidder and resubmits the project for bidding, the Principal will pay the Oblige the difference, not to exceed ten percent of the penalty hereof between the amount specified in the bid, or the costs, in connection with the resubmission, or printing new contract documents, required advertising and printing and mailing notices to prospective bidders, whichever is less, then this obligation shall be null and void, otherwise to remain in full force and effect. If the Oblige accepts the bid of the Principal and the Principal within ten days after the awarding of the contract, enters into a proper contract in accordance with the bid, plans, details, specifications, and bills of material, which said contract is made a part of this bond the same as though set forth herein, and

¹ Here insert full name or legal title of Contractor and address

² Here insert full name or legal title of Surety

³ Here insert date of signing

IF THE SAID Principal shall well and faithfully perform each and every condition of such contract; and indemnify the Obligees against all damage suffered by failure to perform such contract according to the provisions thereof and in accordance with the plans, details, specifications, and bills of material therefore; and shall pay all lawful claims of subcontractors, material men, and laborers, for labor performed and materials furnished in the carrying forward, performing, or completing of said contract: we agreeing and assenting that this undertaking shall be benefit of any subcontractors, material men or laborer having a just claim, as well as for the Obligees herein; then this obligation shall be void; otherwise the same shall remain in full force and effect; it being expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall in no event exceed the penal amount of this obligation as herein stated.

THE SAID Surety hereby stipulates and agrees that no modifications, omissions, or additions, in or to the terms of said contract or in or to the plans and specifications therefore shall in any way affect that obligations of said Surety on this bond, and it does hereby waive notice of any such modifications, omissions or additions to the terms of the contract or to the work or to the specifications.

SIGNED AND SEALED this _____ day of _____, 20____.

Principal

By: _____

Title: _____

Surety

By: _____
Attorney-in-Fact

Surety Company Address:

Surety Agent's Name/Address:

FORM OF CONTRACT

THIS AGREEMENT made and entered into this date _____ by and between _____, party of the first part, hereinafter referred to as the contractor, and the **BOARD OF COMMISSIONERS, ALLEN COUNTY, OHIO**, party of the second part, hereinafter referred to as the Board of Commissioners.

WITNESSETH, that the said contractor, for the consideration stated herein, hereby agrees as follows:

ARTICLE 1. The contractor, under the direction and to the satisfaction of the Board of Commissioners or their authorized representative, shall and will provide all necessary materials, tools and equipment, and all utility and transportation services, and perform all labor necessary to complete in a satisfactory manner all the work for:

ALLEN COUNTY THIRD DISTRICT COURT OF APPEALS BUILDING
1ST FLOOR REMODEL for ALLEN COUNTY BOARD OF ELECTIONS
204 NORTH MAIN STREET
LIMA, OHIO 45801

in strict accordance with plans and specifications and form of proposal on file in the office of the Board of Commissioners, prepared by:

Mark Lecky Architects, LLC.,
Architects/Planners,
668 South Ninth St.,
Columbus, Ohio 43206,

which plans, specifications, addendums, Form of Proposal (attached herein) are made a part of this contract. The Board of Commissioners reserves the right to accept any alternates or substitutions, provided such action is taken in sufficient time so as not to delay the progress of the work or cause additional expense to the contractor.

ARTICLE 2. The Board of Commissioners shall furnish the contractor such further drawings or explanations as may be necessary to detail and illustrate the work to be done, and the contractor shall conform to the same as a part of the contract so far as they may be consistent with the original plans and specifications referred to and identified as provided in Article 1. It is mutually understood and agreed that all plans and specifications are and remain the property of the County.

ARTICLE 3. No alterations shall be made in the work shown or described by the plans and specifications, except upon the written order of the Board of Commissioners, and when so made, the value of the work added or omitted shall be computed or approved by the Board of Commissioners, and the amount so ascertained shall be added to or deducted from the contract price.

ARTICLE 4. The contractor shall provide sufficient, safe, and proper facilities at all times in the execution of this contract. The Board of Commissioners or their authorized representative shall be permitted to inspect all work, materials, and relevant data and records. The contractor shall, within twenty-four (24) hours after receiving written notice from the Board of Commissioners to that effect, remove from the grounds or building all materials condemned by him, whether worked or unworked and take down any portion of the work which the Board of Commissioners shall by like written notice condemn as unsound, improper, or in any way failing to conform to the drawings or specifications.

ARTICLE 5. Should the contractor at any time refuse or fail to supply sufficient, properly skilled workmen, or sufficient materials of proper quality, or fail in any respect to prosecute the work with promptness and diligence, or fail in the performance of any of the covenants contained in these documents, the Board of Commissioners shall give written notice of such failure to the contractor and Surety. If the contractor does not immediately remedy such failure, the Surety shall have the right to complete the performance of the contract, provided, however, that if the Surety does not commence performance within five (5) days of the date of notice of failure, then the Board of Commissioners may terminate the contract, and enter upon the premises and take possession for the purpose of completing this contract by contract or force account, and the contractor together with his Surety shall be liable to the Board of Commissioners for any additional and excess cost occasioned the County of Allen by the

contractor's failure to perform. In case of discontinuance of the employment of the contractor, he shall not be entitled to receive any further payment under this contract.

ARTICLE 6. The contractor shall complete all work contemplated under this contract as written in Section 01005, 1.06 of the specifications (attached herein) and in accordance with the scope of work indicated in the contract documents.

ARTICLE 7. If the contractor, due to his own reasons or fault, shall neglect, fail, or refuse to complete the work specified herein by the date above mentioned, then the contractor shall forfeit to or pay to the County of Allen as liquidated damages for breach of contract, the sum of \$200.00 per consecutive calendar day for each and every calendar day that said work remains in an unfinished condition beyond the date specified above for completion.

ARTICLE 8. The contractor shall not be charged with liquidated damages or any excess cost when the delay in the completion of the work is due to any act, neglect, delay, or default of the Board of Commissioners, or any unforeseeable cause beyond the control and without the fault or negligence of the contractor, including but not limited to acts of God or public enemy, strikes, freight embargoes, or for delays of subcontractors or material men occasioned by such specific cause.

The time fixed for completion of the work shall be extended for a period of time equal to the time lost by reason of any or all cause enumerated in this section, provided the contractor shall within ten (10) days from the beginning of such delay notify the Board of Commissioners, in writing, of the cause of the delay, and the Board of Commissioners shall acknowledge receipt of said notification, in writing, to the contractor. The Board of Commissioners shall make a final determination of the merits of the contractor's request for extension upon submission of the final invoice by the contractor.

ARTICLE 9. The contractor shall be held liable for any incidental and consequential damages suffered by the County of Allen as a result of incidental damages resulting from the contractor's breach including expenses reasonably incurred in inspection, receipt, transportation, and care and custody of goods rightfully rejected, any commercially reasonable charges, expenses, or commissions in connection with effecting cover, and any other reasonable expense incident to the delay or other breach.

ARTICLE 10. The contractor shall provide that eight (8) hours shall constitute a day's work and that the prevailing wage rate of the locality as determined by the Department of Industrial Relations shall control the contract wages as stipulated in Chapter 4115, Revised Code.

ARTICLE 11. The hiring of employees for the performance of work under this contract shall be done in accordance with Section 153.59 and Section 153.591, Revised Code, the Governor's Executive Order of January 27, 1972, and the Governor's Amended Executive Order of November 30, 1984. The contractor shall not discriminate against or intimidate any person hired for the performance of the work by reason of race, color, religion, national origin, or ancestry, both whites and non-whites. For any violations, the Contractor shall suffer such penalties as provided for in Section 153.60 O.R.C., and the Governor's Executive Orders.

ARTICLE 12. Allen County shall pay the contractor for the performance of this contract as follows:

BASE TOTAL for the sum of.....\$

ALTERNATE G-_, for the sum of.....\$

TOTAL AMOUNT OF THIS CONTRACT IS.....\$

subject to any additions or deductions during construction.

Such sum shall be paid in current funds by Allen County upon payment requests issued by the contractor and approved by the Board of Commissioners and proportioned by item to agree with the total amount of this contract. Partial payments to the contractor for labor performed under either a unit or lump sum price contract shall be made at the rate of ninety two (92%) percent of the estimates prepared by the contractor and approved by the architect. All labor performed after the job is fifty (50%) percent completed shall be paid at the rate of one hundred (100%) percent of the estimates submitted by the contractor and approved by the architect, unless the project is behind schedule or evidence exists that subcontractors and suppliers are not being paid in proportion to work

completed or materials delivered. In this case, the owner may, with a letter of approval from the bonding company, elect to continue withholding eight (8%) percent retainage throughout the duration of the project. There shall be paid to the contractor a sum at the rate of ninety two (92%) percent of the invoice costs, not to exceed the bid price in a unit price contract, of material delivered on the site of the work, or a railroad station, siding, or other point in the vicinity of the work, or other approved storage site, provided such materials have been inspected and found to meet the specifications. The balance of such invoiced value shall be paid when such materials are incorporated into and become a part of such building, construction, addition, improvement, alteration, or installation. When payment is allowed on account of material delivered on the site of the work or in the vicinity thereof or under the possession and control of the contractor but not yet incorporated therein, such material shall become the property of the County but if such material is stolen, destroyed, or damaged by casualty before being used, the contractor will be required to replace it at his own expense.

Payment shall be made within thirty (30) days from the date of approval of the contractor's payment request by the Board of Commissioners.

When the major portion of the project is substantially completed and occupied, or in use, or otherwise accepted, and there exists no other reasons to withhold retainage, the retained percentages held in connection with such portion will be released from escrow and paid to the contractor, withholding only that amount necessary to assure completion. The balance of funds in escrow, without interest, shall be paid to the contractor within thirty (30) days from the date of acceptance by the County. Provided, however, that nothing in this contract shall be construed to create an obligation or incur a liability against the County in excess of the encumbrances issued to support this contract.

This contract shall be deemed as fifty (50%) percent completed when the contractor has been paid pursuant to this contract, an amount equal to fifty (50%) percent of the total cost of the labor of the contract and fifty (50%) percent of the total cost of the material of the contract.

The contractor shall promptly make payment to all persons, firms, subcontractors, and corporations furnishing materials for or performing labor in the construction of the work provided for in the contract and any authorized extension or modification thereof. The contractor further agrees not to withhold a larger percentage of subcontractor payments, than the percentage of their payments retained by the County.

No partial or progress payment made by the County of Allen to the contractor under this Article, shall be construed as evidence of, or represent, the actual work performed or material delivered and/or installed as of the date of approval of payment of said partial or progress payment.

If at any time an affidavit is received as required by Section 1311.26 of the Revised Code, the County of Allen will comply with the provisions of R.C. 1311.28.

ARTICLE 13. No certificate of payment or provision in the contract documents, by the County of Allen, shall constitute an acceptance of work not done in accordance with the contract documents or relieve the contractor of liability in respect to any express or implied warranties or responsibility for faulty materials or workmanship. The contractor shall remedy any defects in the work and pay for any damage to other work resulting there from, which shall appear within a period of one (1) year from the date of final acceptance of the work.

ARTICLE 14. The contractor at all times during performance of the contract shall maintain insurance to protect himself from claims of personal injury, direct or derivative, including death, or claims for property damage, resulting from operations under this contract, in an amount and form approved by the Board of Commissioners.

The contractor shall also maintain insurance in his own name to protect himself from loss incurred by fire, lightning, extended coverage, vandalism, theft and malicious mischief in the full amount of the contract which insurance shall cover all labor and materials connected with the work, including materials delivered to the site but not installed in the building.

ARTICLE 15. The parties for themselves, their heirs, executors, administrators and assignees do hereby agree to the full performance of the covenants herein contained.

IN WITNESS WHEREOF, the parties hereto set their hands on the day and year first above mentioned.

BOARD OF COUNTY COMMISSIONERS
ALLEN COUNTY, OHIO

Contractor:

Commissioner : Greg Sneary

Authorized Representative

Commissioner : Jay Begg

Prosecuting attorney

Commissioner: Cory Noonan

County Auditor

Date

This contract is in compliance with the law.

INSTRUCTIONS TO PROPOSERS

NOTES:

- a) Proposer shall inspect all Plans, Specifications and the site of the work.
- b) All Proposals fully executed, shall be submitted in duplicate clearly marked with the job title, addressed to the Allen County Board of Commissioners.
- c) All Proposals shall be subject to requirements outlined in the project manual as adopted by the Allen County Board of Commissioners.
- d) All Proposals shall include experience and financial documentation as required in the specifications.

ART. 1. PROPOSALS

- a) For lump sum proposal. Separate bids will be received for any or all divisions of work shown on the Form of Proposal.
- b) In the case of unit price bids, the Contractor shall submit bids on all items listed, unless other instructions are noted in the Form of Proposal.
- c) The Proposal shall contain the following documents:
 - NON-DISCRIMINATION CLAUSE *
 - DECLARATION OF PERSONAL PROPERTY TAX DELINQUENCY *
 - CERTIFICATE OF BIDDER UNRESOLVED FINDINGS OF RECOVERY WITH AUDITOR OF STATE *
 - CERTIFICATE OF COMPLIANCE WITH SECTION 3517.13 ORC *
 - FORM W-9 REQUEST FOR TAXPAYER ID NUMBER AND CERTIFICATION *
 - AFFIDAVIT OF COMPLIANCE (with prevailing wage law) *
 - CREDIT AFFIDAVIT *
 - CERTIFICATE OF COUNTY FISCAL OFFICER
 - FORM OF PROPOSAL *
 - SUBSTITUTION SHEET *
 - CONTRACT PERFORMANCE BOND AND PAYMENT BOND *
 - FORM OF CONTRACT
 - GENERAL CONDITIONS - AIA A201 **
 - PREVAILING WAGE RATES REQUIREMENTS***
 - a. Pre-bid conference outline
 - b. Prevailing Wage Determination cover letter
 - c. Prevailing Wage Rate Determination
 - d. Prevailing Wage Contractor Responsibilities
 - e. Instructions for preparing certified payroll reports
 - f. Certified payroll report (form)

* DENOTES ITEMS TO BE EXECUTED AND SUBMITTED AS PART OF COMPLETE PROPOSAL PACKAGE.

** DENOTES AIA DOCUMENTS THAT ARE NOT INCLUDED IN THESE PRINTED SPECIFICATIONS. HOWEVER, ALL CONTRACTORS SHALL OBTAIN AND REVIEW THE LATEST EDITION OF THESE CONTRACT DOCUMENTS BEFORE SUBMITTING BIDS.

*** DENOTES DOCUMENTS THAT ARE REQUIRED TO BE A PART OF THE CONTRACTORS PROPOSAL AND SHALL BE OBTAIN BY EACH CONTRACTOR PER THE LATEST ISSUE BY THE STATE OF OHIO AND AS OTHERWISE REQUIRED BY LAW.

- d) The wording of the Proposal shall be used without change, alteration, or addition except as instructed in Art. 1g. Any other change in wording will cause a Proposal to be rejected as not complying with the law.
- e) All forms used in submitting the Proposal shall be those furnished through the Architect.
- f) (deleted)
- g) The Proposer shall take the following precautions in preparing Proposals:
 - 1) Sign the Proposal.
 - 2) Where Form of Proposal provides for quoting either addition or deduction for an "Alternate" indicate whether the sum named is an addition or deduction by ruling out the words not applicable. ITB-1
 - 3) All requested alternates shall be proposal. If no change in the base proposal is required, enter "No Change."
- h) No Contract shall be entered into until:

- 1) The Industrial Commission has certified the Corporation, partnership, or person so awarded the Contract has complied with Sections 4123.01 to 4123.94 (Workers' Compensation), inclusive of the Revised Code; and until,
- 2) If the Proposer so awarded the Contract is a foreign corporation, the Secretary of State has certified that such corporation is authorized to do business in this state; and until, if the Proposer so awarded the Contract is a person or partnership has filed with the Secretary of State a Power of Attorney designating the Secretary of State as its agent for the purpose of accepting service of summons in any action brought under Section 153.05 of the Revised Code or under Sections 4123.01 to 4123.94, inclusive of the Revised Code.
- 3) Until the Contract and Bond are submitted to the Prosecuting Attorney and his approval certified thereon.

ART. 2 (deleted)

ART. 3 STANDARDS - SUBSTITUTIONS

- a) Those articles, devices, materials, forms of construction fixtures, etc., named in the Specifications to denote the kind of quality required, whether or not the words "or equal" are used, shall be known as "Standards" and all Proposals shall be based on same.
- b) Where two or more "Standards" are named together, the Proposer may furnish any one of the "Standards" named, but Contractors shall make their selections known to the Architect within 30 days following award of their Contract. Failure to comply with this requirement will automatically hold up Payment Requests to the Contractor in view of possible materials being used on the project.
- c) Proposers desiring consideration for the use of material, equipment, etc., not named in the Specifications may submit Proposal for the substitution of same for "Standards" as specified, using the "Substitution Sheet" attached to the Proposal Form and listing, for each proposed change: (1) the "standard" specified, (2) the substitution, and (3) the change in bid price, (or "no change"). Complete Specifications and description of any proposed substitution being considered for acceptance shall be furnished the Architect promptly upon request.
- d) Any substitution accepted must be incorporated in the formal Contract. No substitution shall be allowed subsequent to the award of the Contract.

ART. 4. EXAMINATION OF DOCUMENTS

- a) Each Proposer shall examine all Contract Documents, including the Plans and Specifications for all other divisions of the work as well as his own, noting particularly all requirements which will affect his work in any way. Failure of a Proposer to fully acquaint himself with the amount and nature of work required to complete his division of the work in conformity with all requirements for the project as a whole will not be considered subsequently as a basis for extra compensation.
- b) Should any requirements in the Plans and/or Specifications for the project, as a whole, appear to a Proposer to be in disagreement with those for the part of the work on which he submits a proposal, a request for clarification, in writing, should be addressed to the Architect as soon as discovered prior to the date set for submitting a proposal. The Architect will reply to all such inquiries. Verbal interpretations will not be honored. In case of a discrepancy in the Plans and Specifications an Addendum will be issued to clarify the matter. The Architect will forward copy of same to all individuals holding Plans and Specifications. If, in examining the Contract Documents, the Proposer discovers an apparent violation of the Ohio Building Code or other applicable statute or regulation, he shall report such apparent violation to the Architect promptly. However, this provision shall not be construed as imposing responsibility on the Contractor to insure conformity of the Plans and Specifications to the Ohio Building Code and other applicable regulations.

ART. 5. (deleted)

ART. 6. (deleted)

SUPPLEMENTARY GENERAL CONDITIONS

GENERAL CONDITIONS

The General Conditions of this Contract are the American Institute of Architects Document A201-1997, General Conditions of the Contract for Construction.

SUPPLEMENTARY GENERAL CONDITIONS

The Supplementary General Conditions contain changes and additions to the AIA General Conditions A201-1997, as published by the American Institute of Architects.

Where any part of the AIA General Conditions A201, noted herein, is modified or voided by these Supplementary Conditions, the unaltered provisions shall remain in effect.

References to Article and Item numbers below are made to the corresponding Article and Item numbers used in the AIA General Conditions included in this specification.

ITEM 1.2. EXECUTION, CORRELATION, INTENT, AND INTERPRETATIONS

ADD 1.2.6. Reference in the Specifications to any article, device, product, material, fixture, form, or type of construction named in the Specifications establishes a standard of quality required by each bidder whether or not the words "or equal" are used, shall be known as "standards" and all proposals shall be based on the same quality.

ADD 1.2.7. Where 2 or more "standards" are named together, the successful bidder may furnish either 1 of the 2 "standards" named. Prior to taking bids, the Contractor may use similar "standards."

ADD 1.2.8. Should drawings and specifications conflict in the intent of work to be done or material to be furnished, and the contractor fails to bring this to the Architect's attention during the period of bidding, the Architect will be the sole judge as to his intent of the Contract Documents and may call on either or both of the conflicting documents to settle the differences.

ADD 1.2.9. Where contract drawings show only a portion of the work in full detail and the remainder is shown in outline or on the drawings as similar location, the portions in outline or similarly indicated shall be executed as required for like portions shown in full detail.

Where trim or other detail is shown by start only, such detail is to be considered continued throughout the parts in which it is shown and throughout all other similar parts of work unless explicitly shown or noted differently.

ADD 1.2.10. Should the Contract Documents disagree as to quality or quantity of work required, the better quality or greater quantity shall be provided unless the Architect notes otherwise in writing.

ITEM 3.7. PERMITS, FEES, AND NOTICES

ADD 3.7.5. The Architect, on behalf of the County, shall apply, pay for, and obtain the General Building Permit issued by the governing authority covering the general building, structural, mechanical, and electrical work.

The Prime General Contractor will be required to apply for, pay for, and obtain any other required permits, fees, inspections, and certificates related to the general trades work and any temporary and permanent occupancy permits as required for the building as a part of Base Bid.

Each subcontractor shall apply for, pay for, and obtain any and all other required submittals, approvals, permits, licenses, fees, inspections, utility taps and/or connection fees, and certifications, etc., without additional cost to Owner as a part of Base Bid.

The official records for application and granting of the permits will be submitted to the Architect.

ITEM 3.10. CONTRACTOR'S CONSTRUCTION SCHEDULES

ADD 3.10.4. Job Meetings and Coordination. When it is necessary to hold job meetings, the Architect will give 24 SGC - 1

hours notice to the Prime General Contractor who will in turn notify all interested parties.

The Architect will record notes on discussions and decisions and will distribute copies within reasonable time after the meeting. Decisions reached at job meetings will be binding on all parties.

All supplemental drawings amending the Contract will be sent to the Prime General Contractor.

The project will require job measurements for all materials which go into the building. Each contractor, subcontractor, and/or supplier shall make his own measurements, and he shall be responsible for same.

Should any contractor discover that they will require revisions to the construction already installed, he shall notify the Architect immediately and before starting any work.

ITEM 4.2. ARCHITECT'S ADMINISTRATION OF THE CONTRACT

ADD 4.2.14. The Architect will provide periodic observation on the project.

ITEM 5.2. AWARD OF SUBCONTRACTS AND OTHER CONTRACTS FOR PORTIONS OF THE WORK

ADD TO 5.2.1. When the successful bidder fails to furnish names of any particular subcontractor or other persons or organizations (including those who are to furnish materials or equipment fabricated to a special design) proposed for such portions of the work as may be designated in the Contract Documents, the Architect shall select the subcontractor and/or material supplier from those listed in the specifications as acceptable. The Contractor will use these subcontractors or material suppliers at no additional cost to the County.

ITEM 5.3. SUB CONTRACTUAL RELATIONS

ADD TO 5.3.1. The Prime General Contractor shall pay the subcontractor an amount equal to the percentage of completion allowed to the Contractor on account of such subcontractor's work completed and materials properly stored on site, less the retained percentage within 10 days time after his money is received.

ITEMS 6.2. MUTUAL RESPONSIBILITY

ADD TO 6.2.1. Where there are separate Contracts let by the County that connect or adjoin work of the Contractors, the Contractors will be expected to connect and coordinate their work with the Contractors contracted by the County.

ITEM 8.2. PROGRESS AND COMPLETION

ADD 8.2.4. Construction Period. The construction period for this project is defined in the Form of Proposal. The County at his discretion may extend the Construction Period or time for completion; however, no extensions of time will be gained for ordinary delays or careless accidents.

Contractors bidding this work may feel the Construction Period provides insufficient time for completion of all work under the Contract, if so, he shall so state on his letterhead stationary, the length of time he will require and his reason for requiring more time. This statement must be included with the bid proposal.

ITEM 9.2. SCHEDULE OF VALUES

ADD 9.2.2. In applying for payments, the Contractor shall submit a statement based on this Schedule. The Architect will furnish estimates made for payment.

Monthly certificates for payment will be issued at the rate of ninety percent (90%) of the estimated values of the work incorporated into the project within the pay period until the project is 50% complete. If the project is on schedule, and subcontractors, labor, and materials have been paid on time (and the surety consents in writing) the owner may stop any additional retainer after the 50% level.

ADD 9.2.3. Final payment, including the moneys withheld, will be authorized for payment within thirty (30) days after final inspection and acceptance of the project by the County.

ITEM 11.1. CONTRACTOR'S LIABILITY INSURANCE

ADD TO 11.1.1. The Contractor's General Liability policy shall be endorsed to provide a broad form contractual liability coverage.

The Contractor shall indemnify and hold harmless the Owner and Architect in accordance with Item 3.18 INDEMNIFICATION of the GENERAL CONDITIONS of this specification and shall provide documentation from the insurance carrier that this coverage is provided and in effect for the duration of the project.

ADD 11.1.4. CONTRACTOR'S INSURANCE

01. Workers' Compensation Insurance: The Contractor shall carry Workers' Compensation on his employees in accordance with the laws of the State of Ohio, and it shall be his responsibility to see that each of his subcontractors maintains similar insurance for the protection of employees on the project.
02. Liability Insurance, Automobile and General: The Contractor shall carry such Bodily Injury and Property Damage Liability Insurance as will protect him and the Owner against claims for personal injury, including death or property damage, which may arise from operations under this contract or from the use of automobiles in connection therewith, and shall include coverage for the Indemnifications Clause appearing in Article 4 of the General Conditions.

The Contractor shall acquire and maintain during the term of the Contract Bodily Injury and Property Damage Liability Insurance under a standard Comprehensive General/Automobile Liability Policy which shall provide and include coverage on all Contractor's Operations, Contractor's Protective (Sublet) Liability, Contractual Liability, Completed Operations Liability, and on Owned, Non-Owned, and Hired Automobiles.

Such insurance shall be for no less than the following limits, but the County assumes no responsibility for the adequacy of such limits: Coverage for any "if any" basis. Property Damage Liability Insurance shall be provided on any demolition, blasting, excavating, shoring, or similar operation on an "if any" basis.

Bodily Injury Liability limits shall be for an amount of no less than One Million Dollars (\$1,000,000) for injuries, including wrongful death to any 1 person and subject to the same limit for each person, in an amount of not less than Five Million Dollars (\$5,000,000) aggregate for damage on account of all occurrences.

Property Damage Liability Insurance in an amount of not less than One Million Dollars (\$1,000,000) per occurrence with General Liability extended to provide "Broad Form Property Damage Liability", and in an amount of not less than Five Million Dollars (\$5,000,000) aggregate for damage on account of all occurrences.

Any combination of underlying Comprehensive General/Automobile Liability coverage with Umbrella/Excess Liability coverage which provides no less than Five Million Dollars (\$5,000,000) Single Limit Bodily Injury and Property Damage Liability Insurance for the Contractor will also be acceptable.

03. The Certificate of Insurance required by this Article shall be furnished on a form satisfactory to the County and shall be filed with the County and Architect. The Certificate of Insurance shall be kept in full force throughout the duration of all work required under this Contract.
04. The Contractor will be responsible for providing Fire, Extended Coverage, Vandalism, and Malicious Mischief Insurance covering the work and materials on hand, but excluding the Contractor's equipment that will not become part of the work under this Contract.

ITEM 11.4. PERFORMANCE BOND AND PAYMENT BOND

ADD 11.4.3. The County requires a Performance Bond and Payment Bond of One Hundred Per Cent (100%) of the Contract with a satisfactory Surety company, conditioned according to Law as required for the faithful performance of the Contract.

ITEM 12.2. CORRECTION OF WORK

ADD 12.2.7. For work covered after date of final payment or from the date of the County's substantial usage, the Contractor shall:

Remedy any defects due to faulty materials or workmanship and pay for any damage to other work resulting from the defects.

ADD 12.2.8. The guarantee period shall start from the date of final payment or from the date of the County's substantial usage or occupancy of the project.

Agreement of the above date shall be established and substantiated by letter from the Architect to the County and Contractor. Guarantee from any questionable part of the project may be extended if justified and written notice is given by certified or registered letter, copies of which will be sent to the County or Architect, whichever, originates the letter.

ADD 12.2.9. Neither the foregoing nor any provisions in the Contract Documents, nor any special guarantee time limit shall be held to limit the Contractor's Liability for defects to less than the legal limit of liability in accordance with the law of the place of building.

ADD 12.2.10. Contractor shall furnish the County with all written guarantees pertaining to this work and shall secure all guarantees and warranties called for in the specifications.

ADD 12.2.11. The Contractor is responsible for seeing to it that guarantees and warranties are carried out to their fullest extent and intent.

END OF SECTION

DIVISION 1 - GENERAL REQUIREMENTS

SECTION 01005 - PROJECT INFORMATION

PART 1 - GENERAL

- 1.01 Related Documents:
- A. Drawings and General Provisions of Contract, including General Conditions and Division 1 Specification Sections, apply to this section.
- 1.02 Notes:
- A. Contractor is referred to in "Instructions to Bidders" and "General Conditions" and "Supplementary Conditions" as part of this contract and is required to read the specifications for all branches of work. They form a part of these specifications in every detail and apply to all subcontracts.
- B. The Contractor is responsible for the coordination of the work with work of other Contractors and visiting the site to learn conditions affecting work. Failure to visit the site does not relieve the Contractor of responsibility to complete work to the County's satisfaction.
- C. It shall be the contractor's responsibility to take his own measurements and determine the amount of materials needed to satisfactorily complete the project. Any amounts given or referred to in the drawings or specifications are to be used purely as approximates and not as a basis for exact amounts for bidding.
- 1.03 Eligible Applicator:
- A. The general contractor and his subcontractors shall provide proof of regular and successful business in the areas of work required for this project. Work experience to include: general interior remodeling and finishes work. A list of a minimum of 3 jobs completed in the past 5 years including references shall be submitted for review and approval by the Owner. Provide scope of work, cost of construction, names of skilled craftsmen providing the work and any other information needed to prove qualifications to meet this project's requirements.
- 1.04 Compliance:
- A. Contractor shall submit, at the Pre-construction meeting, documentation of compliance with the current OSHA Code Federal Regulations governing all aspects and conditions of this work.
- 1.05 Location:
- A. Allen County Third District Court of Appeals Building, 204 North Main Street, Lima, OH 45801
- 1.06 Completion:
- A. Contractor shall have 90 days to complete the work with the beginning date anticipated as on or after September 01, 2019. Actual beginning and completion dates shall be reviewed with the contractor, per the County's planning requirements prior to signing of the contract. Staging areas may be developed and materials stored on site in preparation for the start of work prior to the beginning date. All scheduling of deliveries, staging areas and general work is to be coordinated with the County.
- 1.07 County Representative:
- A. Jason Patchet, Facilities Manager
301 North Main Street
Lima, OH 45801
jpatchet@allencountyohio.com
- Dana Sterling, Allen County Capital Projects Manager
301 North Main Street
Lima, OH 45801
dsterling@allencountyohio.com

END OF SECTION

SECTION 01010 - SUMMARY OF WORK

PART 1 - GENERAL

1.01 Related Documents

- A. Drawings and General Provisions of Contract, including General Conditions and Division 1 Specification Sections, apply to this section.
- B. For convenience, these specifications are arranged in divisions and sections, but such segregation shall not be considered as limiting the work required by any trade, except as otherwise provided herein, the division of work shall be the responsibility of the Contractors.

1.02 Description of Work:

- A. In general, the scope of work provides for the remodel of portions of an existing business use space for the Board of Elections services work:
 - 1. General demolition work.
 - 2. Installation of metal studs / gypsum board partition walls, suspended ceilings, interior finishes doors and frames, cabinets.
 - 3. Limited plumbing work for sinks.
 - 4. Modification of existing HVAC system to accommodate new room layout conditions.
 - 5. Electric power and lighting systems work.

1.03 Demolition:

- A. All required demolition, cutting, and patching work will be the responsibility of the Contractors performing the work.

1.04 Repair of Areas Disturbed:

- A. Repair / replace, to match existing, any areas disturbed / damaged by the Contractor or subcontractors as a result of work, but not included as part of the original project scope of work.
- B. Repair / replace pavement and sidewalks damaged by construction to match existing or as directed by the project representative.
- C. Areas of lawn & landscaping damaged as a result of the work of this project will be restored as directed, at no cost to the County. Contractor will provide protection for landscaping as submitted by the contractor and approved by the project representative.

1.05 Work Included:

- A. Extent: Furnish all labor, tools, equipment and materials to complete all work under each section heading as indicated on the drawings and specifications.
- B. Items included: Without restricting the volume or generality of the above "extent", the work to be performed under each section heading, shall include, but is not limited to, those items listed under "Description of Work" in each section.

1.06 Quality Assurance:

- A. Use adequate numbers of skilled workmen who are thoroughly trained and experienced in the necessary crafts and who are completely familiar with the specified requirements and methods needed for proper performance of the work of each section of the specifications.

1.07 Industry Standards:

A. Except as otherwise indicated, where compliance with industry standard is required, comply with the standard in effect as of the date of the contract documents.

1.08 Contracts:

A. One (1) prime, general contract will be awarded for Contract Work including all related subcontract work.

1.09 Work provided by the County:

A. Refer to other sections of these specifications.

END OF SECTION

SECTION 01020 - BID ALLOWANCES AND UNIT PRICING

PART 1 - GENERAL

1.01 Related Documents

- A. Drawings and General Provisions of Contract, including General Conditions and Division 1 Specification Sections, apply to this section.

1.02 Bid Allowances:

- A. The following allowances shall be included in base bid for labor and materials to provide, fabricate, deliver, and/or install any additional contract work required by unforeseen job conditions. The use of all allowances shall be directed by the Architect with the approval of the County. Any unused portions of the allowances shall revert to the County.

Note: Bid allowances are to be provided in addition to all replacement work and quantities specifically indicated on the drawings; this work shall be considered as base bid.

The following items are noted in the drawings:

- 1. No Allowances

1.03 Bid Unit Pricing:

- A. All bidders must submit bids on the Unit Prices described herein and listed on the Form of Proposal.
- B. Unit prices shall include all costs for all labor, materials, equipment, and any related costs incidental to the removal of damaged materials and the installation of new materials.
- C. Unit prices will apply for additions and deletions from the original Base Bid and will be the basis for the increased or decreased costs should removal, replacement, and installation of these items be required as determined by field inspection during the work.
- D. UNIT PRICE #1: No unit pricing.

END OF SECTION

SECTION 01030 - ALTERNATES

PART 1 - GENERAL

1.01 Related Documents

- A. Drawings and General Provisions of Contract, including General Conditions and Division 1 Specification Sections, apply to this section.

1.02 Related Sections:

- A. Division 7.

1.03 Alternates:

- A. Alternate G-01 to include all labor and materials - to provide the following:
Provide the cabinets & counter; and the sink, faucet and final installation thereof in the Lounge as shown on the plans and interior elevation A, Sheet 2. The base bid shall include the rough-ins for the plumbing for the sink (capped at wall) and all electrical work.
- B. Alternate G-02 to include all labor and materials - to provide the following:
Provide the cabinets & counter; and the sink, faucet and final installation thereof in the Meeting room as shown on the plans and interior elevation B, Sheet 2. The base bid shall include the rough-ins for the plumbing for the sink (capped at wall) and all electrical work.
- C. Alternate G-03 to include all labor and materials - to provide the following:
Provide the floor finishes, for the Meeting Room, Equipment Room & Tabulation Room, as indicated on the Finishes Schedule, Sheet 2. Base bid work will include leaving the existing finishes (carpet) and provisions for replacement of wall base to match the existing at all new walls & disturbed wall locations.

PART 2 - PRODUCTS

- 2.01 Refer to Specifications and drawings for related information.

PART 3 - EXECUTION

- 3.01 Refer to Specifications and drawings for related information.

END OF SECTION

SECTION 01045 - CUTTING AND PATCHING

PART 1 - GENERAL

1.01 Related Documents

- A. Drawings and General Provisions of Contract, including General Conditions and Division 1 Specification Sections, apply to this section.

1.02 Cutting and Patching:

- A. Each Prime Contractor shall be responsible for cutting and patching of their work as required to complete this project. All exterior surfaces / assemblies shall be made weather proofed.
- B. Cutting, when necessary, shall be done with such tools and methods to prevent unnecessary damage to surrounding areas or equipment. No cutting shall be done which will, in any way, reduce the structural strength of the building. Should such cutting be necessary consult with the Architect and do not proceed with such operations unless written approval is given.
- C. Patching shall match existing or adjacent surfaces as directed by Architect; and to the satisfaction of the Architect.

END OF SECTION

SECTION 01050 - FIELD ENGINEERING

PART 1 - GENERAL

1.01 Related Documents

- A. Drawings and General Provisions of Contract, including General Conditions and Division 1 Specification Sections, apply to this section.

1.02 Laying Out Work:

- 1. Each Contractor shall coordinate and lay out the work and shall be responsible for review of heights / elevations, conditions and measurements of work executed by him under the contract. Verify executed work as the work progresses. As one of the first steps in the project, each Contractor shall verify the critical building areas and sequencing for the least disruptive to the building and its occupants, and safest work methods. Each Contractor shall exercise proper precautions to verify figures shown on the drawings before work and will be held responsible for any error resulting from his failure to exercise such precautions.
- B. Before fabrication of materials, Each Contractor shall take all necessary measurements and shall be responsible for the fitting of fabricated work into the construction.

END OF SECTION

SECTION 01060 - REGULATORY REQUIREMENTS

PART 1 - GENERAL

1.01 Related Documents

- A. Drawings and General Provisions of Contract, including General Conditions and Division 1 Specification Sections, apply to this section.
- B. For convenience, these specifications are arranged in divisions and sections, but such segregation shall not be considered as limiting the work required by any trade, except as otherwise provided herein, the division of work shall be the responsibility of the Contractor.

1.02 Description of Work:

- A. All work shall be in accordance with the latest edition of all Local Codes and Ordinances, State of Ohio Codes, National Standards and Safety Requirements, and any other Codes and Standards applicable to this project.
- B. The project representative on behalf of the County shall obtain and pay for the General Building Permit issued by the City of Lima covering the general and electrical construction work.
- C. All other permits, licenses, inspections, and fees required shall be obtained and paid for by the Contractor.
- D. These codes and standards include, but are not limited to, the following:
 - 1. American Welding Society (AWS).
 - 2. American Society of Testing Materials (ASTM).
 - 3. American Institute of Steel Construction (AISC).
 - 4. American National Standards Institute A117.1 (ANSI).
 - 5. Americans with Disabilities Act (ADA).
 - 6. Environmental Protection Agency (EPA).
 - 7. Life Safety Code/NFPA 101 (LSC).
 - 8. National Electric Code (NEC).
 - 9. National Fire Protection Association (NFPA).
 - 10. National Institute for Occupational Safety & Health (NIOSH)
 - 11. Ohio Building Code (OBC).
 - 12. Ohio Department of Transportation (ODOT).
 - 13. Occupational Safety & Health Administration (OSHA).
 - 14. Sheet Metal & Air Conditioning Contractors National Association (SMACNA).
 - 15. Underwriters Laboratories (UL).
- E. All materials and equipment installed under this contract shall be new, unless otherwise stated and of a quality not less than the minimum specified.
- F. All workmanship shall be in accordance with the best practices of the trade. Immediately correct all work which is found unacceptable when it is contrary to the plans and/or specifications and/or the accepted codes and standards of good workmanship.
- G. All field adjustments other than minor adjustments shall be submitted to Architect for approval before starting the work.

END OF SECTION

SECTION 01100 - SPECIAL PROJECT PROCEDURES

PART 1 - GENERAL

1.01 Related Documents

- A. Drawings and General Provisions of Contract, including General Conditions and Division 1 Specification Sections, apply to this section.

1.02 Bidder Qualifications:

- A. Eligible Applicator:

The general contractor and his subcontractors shall provide proof of regular and successful business in the areas of work required for this project. Work experience to include: general interior remodeling and finishes work.

- B. All work shall be performed by firms having not less than ten (10) years of successful and proven experience in comparable projects and shall employ experienced personnel with proven skills and experience in their chosen processes and operations. This experience must be with the bidding company or corporation.

- C. All contractors shall submit evidence demonstrating the required technical experience for this project including a list of projects completed successfully within the past five (5) years of operation and also the availability of required personnel for use on this project.

- D. Successful bidder shall provide proof of related and relevant experience to the Architect and the County before the County will consider awarding a contract.

1.03 Summary:

- A. The work shall be scheduled to allow for continued operation of the facility with special provisions for major events. The Contractor shall maintain means of ingress and egress, store materials in approved areas, assist in maintaining security, and provide weather protection.

1.04 Special Procedures:

- A. Contractor must protect all building entrances and sidewalks, including handicap pathways, with adequate temporary framing and construction to protect pedestrians and building elements. Contractor may schedule temporary closing of exits as permitted by the County and in accordance with the mean of egress requirements of the Ohio Building Code.

1.05 Scheduling of Work:

- A. No work shall be started until the County and Architect have been notified and permission to start has been granted by the County.
- B. The building will be in operation during construction. Scheduling of all construction will be coordinated by the Contractor through the County and building coordinator to minimize disruptions to normal operations.
- C. All temporary adjustments to County utilities, shall be scheduled through the area maintenance supervisor.
- D. Building exits must remain in service at all times during construction operations and shall meet all applicable code requirements.
- E. Work shall be discontinued by the Contractor whenever conditions are deemed unsuitable for the building occupants to conduct activities without undue interference.

- F. The County or Architect may, at no additional cost to the project, at anytime during construction, notify the Contractor to temporarily stop work, the Contractor shall not begin again until permission is given by the County or Architect.
- G. The County representative will provide a list of dates that the project will need to be shut down to accommodate County and City events and festivals. The contractor shall provide the required measures as directed.

1.06 Protection of Existing Utilities and Facilities:

- A. The Contractor shall investigate for and protect existing utilities to remain in use. Damage to existing utilities, facilities, and equipment, as a result of work connected with this contract, and shall be repaired to the satisfaction of the Architect by the Contractor at no cost to the County.
- B. The Contractor shall protect his work, and any exposed and existing adjacent work, and the building and its contents against weather, and maintain the new and existing work, materials, apparatus, and fixtures free from injury or damage in accordance with the General Conditions during the entire construction period. Work likely to be damaged shall be covered or protected. Items damaged by failure to provide protection as required, shall be removed and replaced with new at the Contractor's expense or repaired to the Architect's satisfaction.
- C. Contractor shall provide landscape protection as follows:
 - 1. Trees - Provide snow fencing or wood barricades to prevent damage during construction.
 - 2. Shrubbery - Cover shrubbery with protection from construction.
 - 3. Grass / lawns / planting beds: protect all areas with plywood sheeting to support vehicles and equipment; cover all locations subject to debris.

Replace any damaged items as required by the owner's representative.

- D. Contractor shall provide protection for roof areas that are used, but are not a part of the project. Protection to be a minimum of 3/4" thick plywood. Protection will be installed after the roof has been inspected by the Contractor, or his representative, and the Architect. Damage to roof areas by the Contractor, will be repaired/replaced to the satisfaction of the County, at Contractor's expense.
- E. Contractor to provide protection of the existing mechanical and electrical equipment on site: building electrical, mechanical and gas service. Provide temporary protection assemblies as required to cover the equipment and maintain services.

1.07 Disruptions:

- A. All disruptions in service and work affecting the operation of the existing building shall be coordinated with the County through the Architect and building coordinator. The Contractor shall coordinate all work affecting the existing facility with the County through the Architect.

1.08 Contractor's Responsibility:

- A. It shall be the duty of the Contractor to notify the various subcontractors when their presence is required on the job, expedite the flow of materials, and secure all necessary inspections. The Contractor shall give reasonable notice to the Architect when their presence is required for special consultation or decisions.
- B. The Contractor shall provide a full-time foreman for this project with no assignment other than supervision. This foreman shall be at the site whenever work of any nature under this contract is progress. This designated person shall give his emergency number and alternate number to the Architect.

1.09 Structural Requirements:

- A. The Contractor shall not overload any floor or roof areas, porches, pavement, etc. with concentrated storage of materials, scaffolding or by impact loading. The contractor shall not provide any force to the building walls that may cause structural damage to the building.
- B. Contractor shall provide all design and structural engineering for scaffolding and building loading that the contractor will use on the project. The existing structure shall be analyzed as required for the intended design loads to assure safe loading and structural forces limits. An Ohio registered engineer is required for this work and shall provide calculations and design in a sealed submittal as required by the County and Building authority.

1.10 Security:

- A. The Contractor will be informed and instructed by the County regarding the security for the building. The Contractor shall maintain the desired security.

1.11 Building Occupancy and Safety Procedures:

- A. The Contractor shall coordinate the progress of work with the Architect and maintain adequate barricades and protection, as required, to protect the existing building and the operation of areas other than the construction area from excessive interference due to construction work. The Contractor's cooperation and planning input will be required during the project to accomplish this goal.
- B. The use of powder driven anchors is not permitted without prior approval by the Architect. Powder driven anchors are defined as anchors driven into place by any device which produces and imparts force by use of powder charge, compressed air, gas, or other propellants. With the building being occupied during the time of normal operations, the Contractor is required to exercise due care and provide adequate barricades and procedures, as required for safety of personnel and public.
- C. The Contractor shall utilize a "watchman" during the use of cranes and other equipment, to assist in the safety of building occupants while entering and exiting an area.

1.12 Staging Fence, Type and Installation:

- A. Orange Plastic fencing
 - 1. Orange plastic fencing will be four (4) feet high and supported by a weighted base with a steel post extending 4" above the top of the fence. Supports shall be placed not more than 10' apart. A toe-board will be secured to the bottom of the fence to alert sight impaired passers-by. The fence will be kept taught at all times.
 - 2. Attachment of the fence to any object other than supports will be prohibited.
- B. Contractor will submit at the Pre-construction meeting a plan for the staging area for approval. If the plan is not approved, the Contractor will take into consideration the suggestions made by the County.

END OF SECTION

SECTION 01300 - PROJECT MEETINGS

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

- A. Drawings and General Provisions of Contract, including General Conditions and Division 1 Specification Sections, apply to this section.

1.02 PRE-CONSTRUCTION MEETING

- A. The Architect will schedule and furnish the agenda for a pre-construction meeting after award of the contract(s). Attendance will be required for the successful bidder(s) and their project foreperson.
- B. The notice to proceed will be issued to the contractor at this meeting.
- C. The contractor shall bring to the pre-construction meeting the following:
 - 1. Project schedule showing project start time, work stages and completion date. The County shall control " float time ".
 - 2. Cost breakdown of the project.
 - 3. Submittals and proposed detail changes.
 - 4. Company Safety Manual (also refer to 01005, 1.04, A)
 - 5. Material Safety Data Sheets on products to be used.
 - 6. Emergency telephone list.

1.03 PROGRESS MEETING

- A. The Architect shall schedule job progress meetings with the Contractor as may be required, depending on progress of the work or problems that arise. Meetings to be scheduled at the pre-construction meeting.
- B. Agenda:
 - 1. Review prior meeting notes as required.
 - 2. Review work progress since last meeting.
 - 3. Note problems and decisions.
 - 4. Relate progress to construction schedule.
 - 5. Plan progress for coming week.
 - 6. Review submittals.
 - 7. Additional coordination.
- D. Attendance:
 - 1. Contractor and/ or representative authorized to make decisions.
 - 2. Sub contractors involved in major portions of the work may be required to attend meetings during their phase of construction.

1.04 CONSTRUCTION SCHEDULE

- A. Immediately following contract award, Contractor shall prepare construction progress schedule covering all divisions of work and shall submit copies of the schedule to all major subcontractors. Schedules, as received from subcontractors, with necessary revisions, shall be incorporated into the original schedule. Four (4) copies of the final schedule, bearing the approval signatures of all contractors, shall be distributes to all interested parties. The schedule shall be broken down to a degree which will permit proper and complete coordination of all trades in each division of the work. Tentative dates for interruption of utilities services shall be incorporated.

END OF SECTION

SECTION 01340 - SHOP DRAWINGS SAMPLES & CORRESPONDENCE

PART 1 - GENERAL

1.01 Related Documents

- A. Drawings and General Provisions of Contract, including General Conditions and Division 1 Specification Sections, apply to this section.
- B. Submittals are divided into two general types or categories: contract submittals and technical submittals.
- C. Submit for all items as specified in various portions of these documents. Submit number which Contractor requires for distribution plus two (2) copies which will be distributed by the Architect to other parties. Accompany submittals & correspondences with transmittal letters, containing:
 - a. Date
 - b. Project title and number
 - c. Contractor
 - d. Other required information

The submittal will be rejected w/o the above information being provided. Submittals may be sent to the Architect by electronic sending as approved by the architect.

1.02 Contract submittals:

- A. Include such items as insurance, schedules, payment request, and other such items of a non-technical nature as required for contract administration both before and after the contract is signed.

1.03 Technical submittals:

- A. Include required submittals on materials and equipment to be included in the construction which enable the Architect to verify that the materials proposed to be furnished are in accordance with the requirements of the Contract Documents. These include shop drawings, samples, calculations and certificates.

1.04 Shop Drawings:

- A. Shop drawings are original drawings prepared by a Contractor, subcontractor, supplier, distributors, or manufacturers which illustrate some portion of the work, showing fabrication, layout, setting, and/or erection details.
- B. Shop drawings shall be prepared by a qualified detailer.
- C. Identify details by reference to sheet and detail numbers shown on Contract Drawings.
- D. Sheet sizes for shop drawings shall be 36" x 24" maximum

1.05 Product Data:

- A. Manufacturer's standard schematic drawings:
 - a. Modify drawings to delete information which is not applicable to project.
 - b. Supplement standard information to provide additional information applicable to project.

1.06 Contractor Responsibilities:

- A. Review all items prior to submission. All submittals must bear the Contractor's handwritten signature, in addition to his stamp of approval.
- B. Verify field measurements, field construction criteria, catalog numbers, and similar data. Coordinate each submittal with requirements of work and of Contract Documents.

- C. The Contractor's responsibility for errors and omissions in submittals is not relieved by the Architect's review of the submittals.
- D. Notify the Architect in writing at the times of submissions of any deviations in submittals from requirements of Contract Documents.
- E. Begin no work which requires submittals until return of submittals with Architect's stamp and initials or signature indicating approval.
- F. Specific requirements for submittals are listed in the technical sections of the documents. The Architect reserves the right to require additional submittals on individual items at his discretion.

END OF SECTION

SECTION 01500 - TEMPORARY FACILITIES AND CONTROLS

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

- A. Drawings and General Provisions of Contract, including General Conditions and Division 1 Specification Sections, apply to this section.

1.02 TEMPORARY FACILITIES AND CONTROL, GENERAL

- A. Temporary services that are required, in addition to those specified, shall be provided by the Contractor and shall be provided as directed by the County.
- B. All temporary facilities shall be maintained and kept in good operating condition. Maintenance personnel necessary to perform this work shall be provided in accordance with the requirements. Maintenance time will include normal working hours for all trades and start up and shut down overtime, as required.
- C. Before connecting to existing County utilities, obtain approval through the County representative.
- D. Temporary work shall be installed in such a manner as not to interfere with the permanent construction. If such interference does occur, it shall be the responsibility of the Contractor to make such changes as may be required to overcome the interference.
- E. Utility services shall be maintained to the building at all times unless a specific request for temporary interruption is coordinated through the County.

1.03 SANITARY ARRANGEMENT

- A. The Contractor shall furnish, if required, portable furnishings for his personnel and shall locate as directed by the County.

1.04 TEMPORARY STORAGE

- A. Storage Trailers/Enclosures - Trailer for storage of building materials is permitted but shall be limited to (1) on the site.
- B. Storage of Flammables - not permitted on site.
- C. The County owned parking lots and grass areas may be used, in part, for the storage and staging of the project as approved. Contractor to provide temporary movable fencing as approved by the County representative.

1.05 TEMPORARY LIGHT AND POWER

- A. Temporary electric power shall be obtained from existing building electric service. Contractor shall provide material and maintain extension from existing service. The County will pay cost of power use through County meter. Contractor shall provide portable power generators if existing systems do not meet construction requirements. The Contractor shall provide safety, security and construction lighting, as required, for project.

1.07 TEMPORARY RAMPS, RUNWAYS, PROTECTED ACCESS, HOISTS, CRANES, AND SCAFFOLDS

- A. Furnish and maintain temporary ramps, runways, etc. as required, for general use or safety, for the proper execution of the work. Ramps to be completed with minimum 3/4" thick wood overhead protection, 10' headroom clearance, construction per state of Ohio requirements. Maintain protection until overhead work is complete. Construction shall meet all requirements of the labor laws and other State or Local laws applicable thereto.

- B. The contractor shall provide, erect, and maintain adequate hoist, cranes, and scaffolding equipment as required for his work and the work of subcontractors and shall coordinate the use between all users.
- C. The hoists, cranes, and scaffolding shall be located away from building entrances and exits to prevent potential injury from falling objects. The contractor shall provide a safety watch at entrances and exits to ensure that persons entering or exiting the building are safe from overhead or falling objects.
- D. The hoists, cranes, and scaffolding shall comply with OSHA requirements and shall have a top rail, mid rail, and toe board.
- E. Any special pads or reinforced surfaces adjacent to the building that may be required for equipment shall be the responsibility of the contractor. All such items shall be removed and all areas restored at the end of construction to original condition.

1.08 ROAD

- A. Protect existing roads and parking area from damage or debris.

1.09 SPECIAL CONTROLS

- A. Dust Control: The Contractor shall provide dust control, as required, to protect interior and exterior of building, adjacent parked cars, and facilities from dust and other contaminants.
- B. Drainage: The Contractor shall provide temporary site drainage, drains, sumps, pumps, or other items required to afford satisfactory working conditions for the execution and completion of the work. Water shall be diverted to or shall be pumped into existing drains and shall not be allowed to run onto ground area or overflow into building.

1.10 USE OF PREMISES

- A. Parking: Contractor shall secure parking permits as required from the County Traffic Department for all employees and must park cars in areas assigned to them. Parking in restricted areas are prohibited. At the beginning of the work, the contractor shall report to the County Traffic Department the approximate number of parking permits which will be required for all employees, including Subcontractor's employees.
- B. Streets and roads on site to be used for access shall be as approved by the County. No others streets shall be used. Contractor shall clean up spills without delay or street will be cleaned at his expense.
- C. Damage to roads, parking surface, or other facilities on County property resulting from hauling, storage of materials, or other activities in connection with the work, shall be repaired or replaced, at no expense to the County, by the Contractor causing the damage. Repairs or replacement shall be made to the satisfaction of the County representative.
- D. A pre-construction inspection of the building and immediate work area will be made by the contractor and the Architect. It shall be the contractor's responsibility to bring damaged areas to the attention of the County before accessing area. Failure to contact the County, the contractor shall be liable for repairs or replacement.
- E. Materials shall be only in designated areas and delivery path shall have prior approval.

1.11 MAINTENANCE OF TRAFFIC FLOW

- A. Traffic flow will be only in designated as specified by the County Traffic and Parking. Deliveries that require temporary blockage of streets, will be scheduled through the County and City before deliveries.

1.12 WEATHER PROTECTION

- A. It is the intent of these specifications to have the Contractor protect new work and existing building or adjacent property against weather, to maintain the work, materials, equipment, apparatus and fixtures

free from injury or damage in accordance with the General conditions during the entire construction period. Any work or equipment damaged by failure to provide protection required shall be removed and replaced with new work at the Contractor's expense. The Contractor shall provide protection from water and dust to the existing building and the contents.

- B. Contractor shall remove all snow and ice as may be required for proper protection and safety of public.

1.13 BARRIERS

- A. Provide and maintain fences, barricades, etc., for adequate protection of persons, new and existing construction, utilities, streets, trees, landscaping and adjoining property. Remove protective devices when work is complete or when authorized by the County representative. Streets, drives and walks shall be kept reasonably clean at all times.
- B. Barriers and other safety devices shall be provided by Contractor to meet the requirements of the government of the governing authorities and applicable regulations. Provide lighted barriers and signs as required to direct and protect people in area of construction.
- C. Restore surface areas that have been drilled/used for project staging area or bracing as per guidelines provided by the County. The Architect shall approve or reject the repairs. Rejected repairs shall be redone at the Contractors expense.

1.14 SECURITY AND SAFETY

- A. The Contractor shall assist in maintaining the security of the building.
- B. The contractor shall provide all necessary safety barricades, railings, and overhead protection at all times throughout the construction as required to permit safe entrance and exit for all occupants.
- C. The contractor shall employ appropriate fall protection measures and equipment for workers on the job. The contractor shall also used appropriate protection measures for all materials, tools and equipment when in use or stored above the ground. Chutes used for disposal of demolition materials shall be the enclosed type and shall be located at areas designated by the County Representative and the Architect and shall be installed away from building air intakes to prevent entrainment of any dust.
- D. Contractor shall provide accessibility for the architect and County representative to review and inspect all areas of work. Contractor shall provide harnesses and fall protection equipment for their use. Contractor shall make every effort to provide scaffolding and walk ways for inspections.
- E. Contractor's safety program must be in full compliance with OSHA standards and all other applicable codes and regulations related to this work and the safety of workers, occupants, visitors, and pedestrians.

1.15 FIELD OFFICES

- A. The contractor is not required to have a job trailer but is permitted to do so per final arrangements approved by the County representative. Contractor is to provide all office equipment and furnishings and indicated under "Temporary Field Offices" below, not otherwise provided in the building space for their use.

A field office is not required for this project but may be provided by the contractor at his option as follows.

Temporary Field Offices:

The Prime General Contractor is permitted to have a field office trailer. Trailer to be a suitable office trailer for use onsite as field offices for his use, for the Architect's use, for project meetings, and for the use of his trades, sub trades, subcontractors, and suppliers.

Offices shall be heated, air conditioned, lighted, clean, in good condition, lockable, and shall be equipped with telephone service, a fax machine, internet service, plan tables, meeting table, chairs, etc, for his use and the use of other designated project members for the duration of the project.

The Prime General Contractor or his authorized agent shall be present at the office or arrange to be called readily, at all times while the work is in progress.

The Prime General Contractor shall pay all basic and local telephone bills. Telephone to be for local calls only. Long distance calls shall be paid by the party making calls.

The Electrical Contractor shall provide all power as required to all temporary field offices provided on the site thru the duration of all work.

- B. The contractor will be required to have a cellular telephone on at all times during the normal business work day. The number will be provided to the Architect.

1.16 PROJECT SIGN

- A. No project sign is required or permitted.

1.17 SHORING AND BRACING

- A. Safety requirements shall be in accordance with the General Conditions.
- B. Install safety barricades, safety cable, covering the holes, temporary safety rails as required by code and in accordance with the General Conditions.
- C. The Contractor shall ensure that all pits and holes are guarded and barricaded to minimize the possibility of students, visitors, faculty, staff or employees from falling into unguarded areas.

1.18 Fire Protection

- A. The Contractor shall provide temporary ABC Fire Extinguishers and cabinets for the fire safety of the project, in accordance with State of Ohio Fire Code and the City Division of Fire requirements. Provide extinguishers at grade and roof level. Install and maintain temporary fire protection facilities of the types needed to protect against reasonable predictable and controllable fire losses. Comply with NFPA 10 " Standard for portable Fire Extinguishers " , and NFPA 241 " Standard for Safeguarding Construction, Alterations, and Demolition Operations.
- 1. Locate new/recharged A.B.C. fire extinguishers where convenient and effective for their intended purpose, but not less than three extinguishers at working areas and grade level.
- 2. Store combustible materials in containers in a fire safe location away from building or as directed by the Architect.
- 3. Maintain unobstructed access to fire extinguishers, fire hydrants, temporary fire protection facilities, stairways and other access routes for fighting fires.
- 4. Provide supervision of welding operations, combustion type temporary heating units, and similar sources of fire ignition after notifying the Architect of welding needs.

1.19 THE ALLEN COUNTY BUILDINGS SMOKING POLICY

- A. The County Buildings are SMOKE FREE institutions. Smoking is allowed in designated areas only. The County will identify the DESIGNATED SMOKING AREAS.

END OF SECTION

SECTION 01500 - TEMPORARY FACILITIES AND CONTROLS

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

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1.02 TEMPORARY FACILITIES AND CONTROL, GENERAL

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- B. Contractor shall remove all snow and ice as may be required for proper protection and safety of public.

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- D. Contractor shall provide accessibility for the architect and County representative to review and inspect all areas of work. Contractor shall provide harnesses and fall protection equipment for their use. Contractor shall make every effort to provide scaffolding and walk ways for inspections.
- E. Contractor's safety program must be in full compliance with OSHA standards and all other applicable codes and regulations related to this work and the safety of workers, occupants, visitors, and pedestrians.

1.15 FIELD OFFICES

- A. The contractor is not required to have a job trailer but is permitted to do so per final arrangements approved by the County representative. Contractor is to provide all office equipment and furnishings and indicated under "Temporary Field Offices" below, not otherwise provided in the building space for their use.

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Offices shall be heated, air conditioned, lighted, clean, in good condition, lockable, and shall be equipped with telephone service, a fax machine, internet service, plan tables, meeting table, chairs, etc, for his use and the use of other designated project members for the duration of the project.

The Prime General Contractor or his authorized agent shall be present at the office or arrange to be called readily, at all times while the work is in progress.

The Prime General Contractor shall pay all basic and local telephone bills. Telephone to be for local calls only. Long distance calls shall be paid by the party making calls.

The Electrical Contractor shall provide all power as required to all temporary field offices provided on the site thru the duration of all work.

- B. The contractor will be required to have a cellular telephone on at all times during the normal business work day. The number will be provided to the Architect.

1.16 PROJECT SIGN

- A. No project sign is required or permitted.

1.17 SHORING AND BRACING

- A. Safety requirements shall be in accordance with the General Conditions.
- B. Install safety barricades, safety cable, covering the holes, temporary safety rails as required by code and in accordance with the General Conditions.
- C. The Contractor shall ensure that all pits and holes are guarded and barricaded to minimize the possibility of students, visitors, faculty, staff or employees from falling into unguarded areas.

1.18 Fire Protection

- A. The Contractor shall provide temporary ABC Fire Extinguishers and cabinets for the fire safety of the project, in accordance with State of Ohio Fire Code and the City Division of Fire requirements. Provide extinguishers at grade and roof level. Install and maintain temporary fire protection facilities of the types needed to protect against reasonable predictable and controllable fire losses. Comply with NFPA 10 " Standard for portable Fire Extinguishers " , and NFPA 241 " Standard for Safeguarding Construction, Alterations, and Demolition Operations.
- 1. Locate new/recharged A.B.C. fire extinguishers where convenient and effective for their intended purpose, but not less than three extinguishers at working areas and grade level.
- 2. Store combustible materials in containers in a fire safe location away from building or as directed by the Architect.
- 3. Maintain unobstructed access to fire extinguishers, fire hydrants, temporary fire protection facilities, stairways and other access routes for fighting fires.
- 4. Provide supervision of welding operations, combustion type temporary heating units, and similar sources of fire ignition after notifying the Architect of welding needs.

1.19 THE ALLEN COUNTY BUILDINGS SMOKING POLICY

- A. The County Buildings are SMOKE FREE institutions. Smoking is allowed in designated areas only. The County will identify the DESIGNATED SMOKING AREAS.

END OF SECTION

SECTION 01600 - MATERIALS AND EQUIPMENT

PART 1 - GENERAL

1.01 Related Documents:

- A. Drawings and General Provisions of Contract, including General Conditions and Division 1 Specification Sections, apply to this section.

1.02 Delivery and Storage:

- A. Products and materials shall be handled, moved, moved, protected and stored as recommended by their manufacturer or producing association.
- B. The Contractor shall place orders for materials and equipment to be employed in this work as soon as possible after the award of the contract. The Contractor shall keep the Architect informed as to materials and equipment that may not be obtainable, either due to condition of the market or other governing factors.

1.03 Material Safety Data Sheets:

- A. Material Safety Data Sheets shall be made available and accessible on the job site for contractor, employees, and County officials. Material Safety Data Sheets shall be submitted with material data at the pre-construction conference.

1.04 Taxes:

- A. Materials purchased for use or consumption in connection with the proposed work will be exempt from the State of Ohio sales tax as provided for in Section 5739.02 of the Revised Code of Ohio, and also from the State of Ohio use tax, Section 5741.01. The amount for materials, entered in the Form of Proposal Form by the Contractor, will be considered as the amount of exemption claimed under this provision.
- B. Purchases by the Contractor of expendable items such as form lumber, tools, oils greases, fuel or equipment rentals, are subject to the application of the Ohio Sales use tax.

END OF SECTION

SECTION 01700 - CONTRACT CLOSE-OUT

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

- A. Drawings and General Provisions of Contract, including General Conditions and Division 1 Specification Sections, apply to this section.

1.02 RELATED WORK SPECIFIED ELSEWHERE

- A. Clean Up - Section 0170.
- B. Project Record Drawings - GENERAL CONDITIONS.
- C. Completion and Acceptance - GENERAL CONDITIONS.

1.03 CONTRACT CLOSE-OUT

- A. The Project will be closed out after the following are completed:
 - 1. Clean up.
 - 2. All guarantees, waivers, and affidavits shall be notarized and submitted.
 - 3. Operating and maintenance instruction submitted.
 - 4. Record drawing and as-built information submitted.
 - 5. Final inspection complete with all punch list items complete.
 - 6. All local, state and federal permit final approvals.
- B. Correct an emergency (as determined by the County representative) punch list or guarantee item as soon as notified, even though overtime labor payments may be encountered.

1.04 CLOSE-OUT CHECK LIST

- A. This schedule summarizes actions to be taken or submittals to be complete prior to issuance of the Contract completion Certificate.
 - 1. Basic Items (Required for Contract)
 - a. Prevailing Wages.
 - b. Drawing details submitted as-built and installed.
 - c. Affidavit of Wage Compliance.
 - d. Affidavit of Waiver of Lien.
 - e. Punch List Items.
 - f. Letter of Completion.
 - g. All Guarantees, warranties & certificates must be received by the County before final payment is made.

END OF SECTION

SECTION 01710 - CLEAN UP

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

- A. Drawings and General Provisions of Contract, including General Conditions and Division 1 Specification Sections, apply to this section.

1.02 CLEAN UP AND MATERIAL MOVING

- A. The Contractor shall clean up, move materials that are in the way of construction and repair and replace any damage done by construction work.
- B. Clean up and remove trash from the building daily and from the site weekly or more often, if required for an orderly work area.
- C. The contractor shall do all cleaning of finish surfaces, interior and exterior, relative to the work, prior to acceptance of the work. Cleaning shall include removing all spots and smears resulting from the work of this project. Use only cleaning materials recommended by manufacturer of surface to be cleaned or as directed by Owner's Cleaning staff / agency.
- D. Restore site to original condition. Remove all temporary facilities and utilities. Repair all temporary attachment points to the satisfaction of the Architect.
- E. Burning and/ or burying of rubbish on the Owner property is prohibited.
- F. Empty flammable containers will be removed from job site at the end of each day.
- G. All debris to be removed from the Owner premises and disposed at a proper dump site at no additional cost to the Owner.

END OF SECTION

SECTION 01740 - WARRANTIES AND CERTIFICATES

PART 1 - GENERAL

1.01 Related Documents:

- A. Drawings and General Provisions of Contract, including General Conditions and Division 1 Specification Sections, apply to this section.

1.02 Related Sections: See item 1.04.

1.03 Description of Work:

- A. Provide warranties and certificates as indicated in this section, as well as warranties indicated in all specifications sections, to the Owner with the Close Out documents.

1.04 Warranties:

A. General Contractor's Warranty -

1. The General Contractor shall Warranty the installation of all products and materials of this project, in accordance with the contract documents and manufacturer's guidelines and free from faults and defects in materials and workmanship for a period of (1) year from the date of substantial completion. Refer to alternates for extended warranty pricing.
2. Temporary type methods shall be used if weather or other conditions prohibit the installation of permanent repairs, but only until the conditions are conducive to make permanent repairs. Temporary repairs shall not be in place for more than 30 days weather permitting.

- B. Sealants - Manufacturer's warranty indicating that the products will not crack, crumble or deteriorate; and will not loose bond to applied surfaces if installed per the manufacturer's recommendations for a period of (5) years.

- C. Painting - Manufacturer's warranty indicating that the products will not peel, craze, crack, or deteriorate; and will not loose bond to applied surfaces if installed per the manufacturer's recommendations for a period of (5) five years. Contractor warranty to repair all defects for same (5) year period.

1.05 Certificates:

- A. Not applicable.

END OF SECTION

DIVISION 2 SITE WORK

02070 SELECTIVE DEMOLITION

PART 1 - GENERAL

1.01 Related Documents

- A. Drawings and General Provisions of Contract, including General Conditions and Division 1 Specification Sections, apply to this section.

1.02 Description of Work

- A. Work includes removal of existing interior casework and finishes materials, related materials, trims and accessories. Work also includes removal of miscellaneous wood blocking, sealants and miscellaneous materials as specified and shown on the drawings, or otherwise required for a complete job.

1.03 Quality Assurance

- A. Comply with all governing codes, laws and regulations applicable to demolition work. If inspection by City, County and State authorities is required, Contractor shall arrange for and pay any costs involved for such inspections.
- B. Comply with requirements of ANSI A 10.6 "American National Standard Safety Requirements for Demolition".
- C. Contractor shall provide a hazardous materials inspection and notify the owner of any suspected hazardous materials for the owner to provide testing and report by a qualified assessment and abatement consultant / contractor prior to demolition. Materials found to be hazardous will be removed & disposed of by the Owner's abatement subcontractor prior to general demolition work.

1.04 Coordination

- A. Contractor shall be responsible for overall scheduling and coordination of work. Schedule is subject to the Architect's.
- B. Cooperate and coordinate with Architect and Subcontractors in scheduling work in order to cause the least inconvenience to Owner and minimize disruption of building operation.
- C. All utilities building equipment will remain active during Owner's normal work day hours, unless specifically approved otherwise by the owner representative.
- D. Perform no work to the existing building outside of the Owner's normal work day hours. Notify two (2) days prior, for authorization from the Owner to change the starting time.

1.05 Security

- A. Access to work areas: must be arranged through the building owner's personnel.
- B. Protect existing building(s) against intrusions and maintain the security of the building and its contents at all times.
- C. Access to areas, other than where work is being performed, is restricted.

1.06 Safety & Protection

- A. Contractor shall provide adequate protection for persons, adjacent property and construction during the demolition and reroofing work. Maintain existing public and occupant access and egress routes to and from building(s).
- B. Temporary barricades must be erected to ensure safety and access without obstructing the normal use of the building and grounds.
- C. Protect all trees, shrubs, landscaping, flower beds, mulch, lawns, site furniture, and other site and planting materials during all work. After construction is completed, replace any damaged planting materials, lawns, and site equipment with new materials of equal species, type, and growth, and restore the site to its original condition as found at the start of work.
- D. Protect all sidewalks and pavement. Document all pavement conditions prior to start of work in a walk through with the Owner's Representative. Replace all damaged walks with matching new materials.
- F. Protect all building(s) surrounding area mechanical and electrical equipment and plumbing services with construction coverings of scaffolding / platforms or site constructed framing assemblies. All damages to the equipment will be the responsibility of the contracts to repair / replace to the satisfaction of the Owner's representative.
- G. NO MATERIALS, DEBRIS, ETC. SHALL BE DROPPED OR THROWN FROM THE BUILDING AT ANY TIME. ALL MATERIALS MUST BE LOWERED BY MEANS OF A HOIST, ENCLOSED CHUTES OR BY HAND / BUCKET. THE DUMPSTER OR TRUCK SHALL BE ENCLOSED TO PREVENT DUST OR DEBRIS FROM BEING EJECTED INTO THE AIR OR SURROUNDING AREAS.

1.07 Salvage

- A. All materials, equipment and debris resulting from remodeling, not designated for reuse in new work nor designated to be salvaged, becomes the property of the Contractor and shall be removed from the Owner site as it accumulates.

PART 2 -PRODUCTS

N/A

PART 3 - EXECUTION

3.01 Inspection

- A. Contractor shall thoroughly inspect existing conditions to determine that the existing installation is as shown.
 - 1. Notify the Architect as soon as possible, of any deficiencies discovered prior to continuing work in that area or taking and corrective measures.

3.02 Weather Protection

- A. Contractor shall provide adequate weather protection for existing building(s) and its contents during all phases of the work.
- B. Contractor shall remove only the amount of materials that can be covered and made watertight at the end of each working day.

3,03 Noise and Dust Control

- A. Take measures to avoid dust, dirt and debris entering the building and surrounding buildings during all phases of work.

- B. Contractor shall erect, maintain and remove at the end of construction, dust proof temporary barriers and enclosures, as required, to allow occupants access to occupied areas of building(s) and to protect equipment. Maintain separation of occupant traffic areas and work areas.

3.04 Execution

- A. Coordinate all material removals with the intent of these specifications, the drawings, and any affected subcontractors to ensure proper removal extent as well as techniques and procedures. Remove existing materials and equipment in manor and methods to cause minimum injury to remaining surfaces. Provide for neat and orderly junctions between existing and new materials.
- B. Remove, replace and repair existing construction where indicated or in accord with drawings and specifications. In so far as possible all evidence of a deficient, damaged or unsafe condition of existing construction, shall be replaced/repared to satisfactory condition consistent with new work.
- C. Provide a means of catching and containing debris and dust from work areas, local to the work area, by means of tarps, water mist, vacuum, etc. as approved by the Architect.
- D. Remove all existing metal counter flashing and joint sealants as required to install new counter flashings.
- F. All existing materials shall be removed and disposed of off the job site as expeditiously as possible.
- G. Demolition:
 - 1. During demolition and replacement operations, the Contractor shall comply with OSHA 1926.500 regulations applicable to fall protection.
- I. Cutting:
 - 1. Contractor shall provide all cutting in existing construction.
 - 2. Neatly cut or drill new openings to correct size as indicated or required.
 - 3. Cutting shall be done with tools and methods to prevent unnecessary damage to surrounding areas or equipment. No cutting shall be done which will, in any way, reduce the structural strength of the building.
- J. Patching and Refinishing:
 - 1. Contractor shall be responsible for patching or refinishing any surface which becomes exposed, defaced or damaged as a result of remodeling or demolition.
 - 2. Where existing walls or roofs are damaged as a result of the work, patch or replace to match existing or with approved like-kind materials and assemblies.

3.05 Clean Up

- A. Prior to end of day's work, Contractor shall clean up dirt and debris caused by his work and shall completely remove all such dirt and debris after completion of the work operation.
- B. Contractor shall maintain public and occupant access and entrances, cleaned free of mud, dirt and debris. Clean daily and more frequently, if required, by construction and operations or as directed by the Architect.
- C. Contractor shall maintain corridor areas adjacent to construction and access paths or travel for workmen to and within existing building clear and clean.
- D. Contractor shall remove his temporary barricades and enclosures after work is completed, unless required during new construction operations.

END OF SECTION

02520 PORTLAND CEMENT CONCRETE PAVING

1. GENERAL

Provide Portland cement concrete paving as shown and as specified. Work includes, but is not limited to, the following: Replacement of concrete walks as damaged by construction. Pavement to be replaced by the Contractor responsible for damages

Contractor walk through prior to construction will be held to document all existing damages.

Damages to be defined as cracked, depressed or rutted pavement portions.

Related Specifications: (Not included, available on request if needed)

1. Section 03100 Concrete Formwork
2. Section 03200 Concrete Reinforcement
3. Section 03300 Cast-in-Place Concrete

REFERENCES

American Concrete Institute (ACI):

ACI 305 "Hot Weather Concreting."

ACI 306 "Cold Weather Concreting."

ASTM A185-90A "Welded Steel Wire Fabric for Concrete Reinforcement."

ASTM A615-92B "Deformed and Plain Billet-steel Bars for Concrete Reinforcement."

ASTM C31-91 "Making and Curing Concrete Test Specimens in the Field."

ASTM C33-92A "Concrete Aggregates."

ASTM C39-86 "Compressive Strength of Cylindrical Concrete Specimens."

ASTM C94-92A "Ready Mixed Concrete."

ASTM C150-92 "Portland Cement."

ASTM C172-92 "Sampling Fresh Concrete."

ASTM C231-91B "Air Content of Freshly Mixed Concrete by the Pressure Method."

ASTM C260-86 "Air-entraining Admixtures for Concrete."

ASTM C309-93 "Liquid Membrane-forming Compounds for Curing Concrete."

ASTM C494-90 "Chemical Admixtures for Concrete."

ASTM D698-91 "Moisture-Density Relations of Soils and Soil-Aggregate Mixtures, Using 5.5-lb Rammer and 12 inch Drop."

ASTM D1751-83(91) "Preformed Expansion Joint Fillers for Concrete Paving and Structural Construction (Nonextruding and Resilient Bituminous Types)."

ASTM D1883-92 "Bearing Ratio of Laboratory-Compacted Soils."

SUBMITTALS

Submit concrete mix designs. Obtain approval before placing concrete.

Product data: Submit complete materials list of items proposed for the work. Identify materials source.

Submit concrete delivery tickets. Show the following: Mix by class with compressive strength and maximum size of aggregate; Type, brand and amount of cement; Type, brand and amount of admixtures; Time of delivery.

Submit concrete test reports.

QUALITY ASSURANCE

Testing and inspection: Performed by a qualified independent testing laboratory; Provide and pay for testing and inspection during concrete operations.

Materials and methods of construction: Comply with Ohio Department of Transportation's (ODOT) "Construction and Materials Specifications", latest edition and as specified.

ODOT Item 304 "Aggregate Base."

ODOT Item 452 "Plain Portland Cement Concrete Pavement."

ODOT Item 499 "Concrete - General."
ODOT Item 608 "Walks and Steps."
ODOT Item 609 "Curbs."
ODOT item 703 "Aggregates."

Maintain field records of time, date of placing, curing and removal of forms of concrete in each portion of Work.

Do not change source or brands of cement and aggregate materials during course of the Work.

Pavement design is based on adequate ASTM D1883 CBR strength of the sub-grade soils. Promptly notify the Soils Engineer of unsatisfactory sub-grade conditions before constructing base course.

PROJECT CONDITIONS

Establish and maintain required lines and grade elevations.

Do not install concrete work over wet, saturated, muddy or frozen sub-grade.

Do not install concrete when air temperature is below 40° F. and falling. Use of calcium chloride, salt, or any other admixture to prevent concrete from freezing is prohibited.

Protect adjacent work. Provide temporary barriers and warning lights as required for protection of project work, worker and public safety.

2. PRODUCTS

CONCRETE MATERIALS

Portland cement: ASTM C150, Type I, natural color.

Aggregate: Provide ODOT Item 703 Grading # 57 clean, uncoated crushed stone or gravel coarse aggregate free of materials which cause staining or rust spots; fine aggregate shall be clean natural sand.

Water: Clean, fresh and potable.

Air-entraining admixture: ASTM C260.

Water-reducing admixture: ASTM C494.

CONCRETE MIX

Provide concrete ready-mixed, complying with ASTM C94 and ODOT Item 499 Class G requirements and containing an approved air-entraining and water-reducing admixture. Slump range 2" to 4".

1. Minimum thickness of concrete: 4".
2. Concrete Mix: Class IV - exterior slabs on grade and all exterior concrete not otherwise identified. Minimum $f'_c = 4,500$ psi; air-entraining admixture and water-reducer required. Maximum water-cement ratio: 0.48, air content: $5 \pm 1.5\%$.

Indicate water added to mix at job site on each delivery ticket. Show quantity of water added. Site water tempered mixes exceeding specified slump range will be rejected as not complying with specification requirements.

ACCESSORY MATERIAL

Granular base: ODOT Item 304.

Forms: Steel or wood of size and strength to resist movement during concrete placement and to retain horizontal and vertical alignment until removal. Provide forms, free of distortion and defects and of height equal to full depth concrete work. Provide 2" nominal thickness, surface plank wood forms for straight section. Use flexible spring steel forms or laminated boards to form radius bends as required.

Forms release agent: Non-staining chemical form release agent free of oils, waxes and other material harmful to concrete.

Pavement, sidewalk and curb joint filler: ASTM D1751 premolded, non-extruding asphalt impregnated fiberboard, 1/2" thickness.

Curing compound: ASTM C309, non-yielding, non-staining liquid membrane forming type containing a fugitive dye. Chlorinated rubber compounds are not acceptable for exterior use.

Reinforcement: Install both welded wire fabric (ASTM A185-97); provide in sheet form (not rolls) and use 1.5 lbs. per cubic yard polypropylene fibers.

Reinforcing bars: New domestic deformed steel bars, Grade 60, epoxy coated.

3. EXECUTION

EXAMINATION

Examine substrates and installation conditions. Do not start concrete work until unsatisfactory conditions are corrected.

Installation constitutes acceptance of existing conditions and responsibility for satisfactory performance.

PREPARATION

Saw cut and remove existing damaged sections of pavement from joint or edge to joint or edge.

Pinning to adjacent pavement: provide #4 rebar x 12" long at 24" c/c maximum spacing. Drill into existing slabs at mid depth x 6" embedment. Epoxy adhesive set into existing. Hole diameter to be 3/32" larger than bar diameter.

Provide all necessary rolling and compacting to obtain firm, even sub-grade surface. Fill and consolidate depressed areas. Remove uncompactible materials, replace with clean fill and compact to 100 % of the maximum dry density in accordance with ASTM D698 Standard Proctor Method. Sub-grade surfaces shall comply with ODOT Item 204 requirements. Perform necessary curb excavating.

Provide compacted granular base material at walks, pads, aprons and paving. Compact granular base in accordance with ODOT Item 304 until a uniformly smooth, hard surface, complying with the lines, grades, elevations and cross sections shown has been established. Moisture may be added at the job site to aid compaction.

Remove loose material and debris from compacted base surface immediately before placing concrete.

Set forms to the required grades and lines, rigidly braced and secured. Install sufficient quantity of forms to allow continuous progress of Work.

Maintain form work alignment within the following tolerances: Top of form: Not more than 1/8" in 10'-0"; Vertical face: Not more than 1/4" in 10'-0".

Coat form surfaces in contact with concrete with form release agent. Clean forms after each use and coat with form release agent as necessary to assure separation from concrete without damage.

Locate, place and support reinforcement as indicated.

Install, set and build-in work furnished under other specification sections. Provide adequate notification for installation of necessary items.

CONCRETE PLACEMENT

Comply with ODOT Item 452 for pavement, ODOT Item 608 for sidewalks, curb ramps and steps and ODOT Item 609 for curbing concrete placement.

Protect concrete from physical damage or reduced strength due to weather extremes during mixing, placing and curing. Cold weather: Comply with ACI 306 "Recommended Practice for Cold Weather Concreting." Hot weather: Comply with ACI 305 "Recommended Practice for Hot Weather Concreting."

Moisten base to provide a uniform dampened condition at the time concrete is placed. Verify manholes or other structures are at required finish elevation and alignment before placing concrete.

Place and spread concrete to the full depth of the forms. Use only square end shovels for hand spreading and consolidating concrete. Exercise care during spreading and consolidating operations to prevent segregation of aggregate and dislocation of reinforcement.

Place concrete in one course monolithic construction, for the full width and depth of concrete work.

Strike-off and bull-float concrete after consolidating. Level ridges and fill voids. Check surface with a 10'-0" straightedge. Fill depressions and refloat repaired areas. Darby the concrete surface to provide a smooth level surface ready for finishing.

JOINTS

Construct control, expansion and construction joints properly aligned with face perpendicular to concrete surface.

Provide tooled sidewalk control joints, sectioning concrete into areas indicated. Tool joints to a depth equal to not less than 1/5 of the concrete thickness. Hand tool control joints in pattern and at spacing indicated. When not indicated, provide spacing equal to slab width and not greater than 10'-0" on center.

Provide pre-molded expansion joint filler for expansion joints abutting concrete curbs, catch basins, manholes, inlets, structures, walks or other fixed objects. Locate expansion joints at maximum 24'-0" on center for curbs and walks. Align expansion joints in abutting curbs and walks. Extend joint fillers full width and depth of joint. Maintain top edge not more than 1/8" below finished surface and in no case shall filler extend above finished surface.

CONCRETE FINISHING

Perform concrete finishing using mechanical or hand methods as required.

After striking-off and consolidating concrete, smooth the surface by screeding and floating. Adjust floating to compact the surface and produce a uniform texture.

Complete surface finish as follows: Provide sidewalk and pavement surfaces with textured finish as directed by the Owner or the Architect. Edge outside edges and all joints with a radius edging tool; Ramps, pads and aprons: Provide a non-slip textured finish; Curbs: Smooth float finish.

CURING

Curing concrete curbs, sidewalks and pavement with a non-staining liquid membrane forming compound. Spray apply in accordance with manufacturer's recommended coverage rate. Apply curing compound immediately after completing surface finish.

FIELD QUALITY CONTROL

Provide field quality control testing and inspection during concrete operations.

Contractor shall provide adequate notice, cooperate with, provide access to the work, obtain samples and assist test agency and their representatives in execution of their function.

Testing: Provide slump test on first load of concrete delivered each day and whenever requested due to changes in consistency or appearance of concrete; Provide air indicator tests and air meter tests for all air-entrained concrete; Furnish copies of field records and slump and air-entrainment test reports as listed for strength tests; Strength testing: Provide one set of three test specimens for each 50 cubic yards placed in any one day. Secure samples in accordance with ASTM C172 and mold specimens in accordance with ASTM C31. Test one specimen at seven days and two specimens at 28 days in

accordance with ASTM C39. Furnish copies of field records and test reports as follows: Two copies to Architect; One copy to Contractor; One copy to ready mix supplier. Record the exact location of the concrete in the work represented by each set of cylinders and shown on test reports. Provide an insulated moist box for protection of the test cylinders until shipped to the laboratory.

CLEANING AND PROTECTION

Protect concrete from damage until acceptance of work. Exclude traffic for at least 14 days. When construction traffic is permitted, maintain walks and pavement as clean as possible by removing surface stains and spillage of materials as they occur.

Repair defective concrete to match color and texture of adjacent surfaces as directed by the Owner or the Architect.

Sweep concrete sidewalks and pavement and wash free of stains, discolorations, dirt and other foreign material immediately before project acceptance.

END OF SECTION

DIVISION 6 WOOD AND PLASTICS

06100 ROUGH CARPENTRY

PART 1 - GENERAL

1.01 Related Documents

- A. The drawings and General Provisions of the Contract, including the General and Supplementary Conditions and Division 1 as appropriate, apply to the work specified in this section.

1.02 Description of Work

- A. Provide and install all rough carpentry including wood blocking, rough framing, grounds and shims as required for construction and forms.
- B. Remove all unsound wood, miscellaneous framing and blocking encountered in the process of this work as needed and replace with new wood.

1.03 Quality Assurance:

- A. Referenced standards by the National Forest Products Association:

- 1. National Design and Specification for Stress-Grade lumber and its fastening.
- 2. National Design Specification for wood construction

- B. Referenced standards by the American Wood Preservers Association.

- 1. All Lumber used for support, furring, grounds, shims and blocking for materials and equipment at exterior walls and roof to be wood preservative treated and to meet AWP Standard C2 (above ground).

- C. Lumber to conform to American Lumber Standards, Simplified Practice Recommendations, R-16. Grades to conform to the grading rules of the manufacturer's association under whose rules the lumber is produced. Lumber to bear grade and trademark of the association under whose rules it is produced and mark of mill identification. Lumber grading rules and wood species to be in accordance with PS-20. Plywood grading rules to be in accordance with Softwood Plywood - Construction and Industrial PS 1-74.

- D. All lumber used for construction shall be fire retardant treated as required for the Ohio Building Code, type 2 construction. Fire retardant lumber to be treated per AWP Standard C20-74. Submit certification by treating plant that fire retardant treatment materials comply with governing ordinances and that treatment will not bleed through finished surfaces.

- E. Lumber used for support, furring, grounds, and blocking for materials and equipment at exterior walls and roof to be wood preservative treated and to meet AWP Standard C2 (above ground) and to be equal to Wolmanized lumber and plywood materials by Koppers Company. Lumber to be separated from any metal surface with rosin paper.

1.04 Submittals:

- A. Submit certification of Wood Preservative treatment.

1.05 Safety:

- A. The use of power or powder driven fasteners is prohibited unless specifically approved by the County Representative. All use of pneumatic nail guns shall be supervised by the contractor at all times. Areas around and below shall be reviewed and be clear of persons; protection of existing areas is required.

1.06 Delivery, Storage, and Handling:

- A. Immediately upon delivery to job, place materials in area protected from weather. Store materials minimum of 6" above ground on framework or blocking and cover with protective waterproof covering providing for adequate air circulation or ventilation. Do not store seasoned materials in wet or damp portions of the building. Protect sheet materials from corners breaking and damaging surfaces while unloading.

PART 2 - PRODUCTS

2.01 Materials:

A. Framing and Load Bearing Lumber:

1. Lumber sized 2" to 4" thick and 2" to 4" wide to be #2 Southern Pine, Fb = 1500, E = 1,600,000.
2. Lumber sized 2" to 4" thick and 6" and wider to be #2 Southern Pine, Fb = 1250, E = 1,600,000.
3. Douglas Fir may be used also using equivalent allowable stresses.

B. Non-Load Bearing Lumber:

1. To be Western Spruce, Pine, or Fir.

C. All lumber to be kiln dried to a moisture content of nineteen (19%) percent or less.

D. Plywood shall be 3/4" thickness and be APA rated exposure 1, CDX, panel index 48/24 type.

E. Rough Hardware:

Hardware to be of type and size required for proper installation and to meet the requirements of the following as applicable: All materials to be galvanized or stainless steel. Provide stainless steel or epoxy coated finish for fasteners of preservative treated lumber as recommended by the supplier.

1. Bolts: FS FF-B-584.
2. Nuts: FS FF-N-836.
3. Expansion Shields: FS FF-B-561.
4. Lag Screws and Bolts: FS FF-B-561.
5. Toggle Bolts: FS FF-B-588.
6. Wood Screws: FS FF-S-111.
7. Nails: FS FF-N-105.
8. Common nails-deformed shank, masonry or concrete nails high carbon heat treated spiral shank.
9. Plywood-Tapcon 3/16"x1-3/4" minimum screws (1-1/2" minimum embedment into masonry).

PART 3 - EXECUTION

3.01 Installation:

- A. Install all framing, furring, and blocking required for the proper installation of new materials.
- B. Furring and blocking to be anchored securely through into masonry, steel, or wood construction. Remove any loose, cracked, or broken substrate materials, and insert solid wood grounds and blocking as required for installed materials and equipment. Do not use any cracked or defective wood.
- C. Back prime any wood blocking where it is not preservative treated before installation.
- D. Lumber to be separated from metal surfaces with rosin paper.

END OF SECTION

06200 FINISH CARPENTRY

1. GENERAL

Provide and install all wood trim and related accessories as specified and shown on the drawings. Work is limited to window trim interior repair work and surfaces disturbed by new work.

Submit detailed shop drawings based on the drawings and field conditions for all items in this section. All stock profiles shall be submitted to the architect for review and approval. Painting contractor to be provided with additional wood samples to provide stain and finish samples for the project.

Related Work:

Section 06100 Rough Carpentry

Section 07900 Sealants

Section 09900 Painting

Section 12300 Cabinets

2. PRODUCTS

Interior Woodwork:

At wood stops and trim required to be painted to match the existing conditions, provide paint-grade poplar or white pine. Back prime all pieces.

At wood stops and trim required to be stained and finished to match the existing conditions, provide matching wood, clear oak, maple, birch, poplar, white pine, etc. as required to match. Back prime with clear coat all pieces.

Miscellaneous:

Plywood used in fabrication of millwork items shall have all edges concealed so as not to reveal core materials; moldings to be used to lap, cover and finish trim all edges.

All millwork and trim to be kiln dried to a maximum moisture content of twelve percent (12%).

Countertops:

At Kitchenette:

Plastic laminate countertop to be constructed of 2 layers of 5/8" plywood @ 1-1/4" thickness locations and 2 layers of 3/4" plywood @ 1-1/2" thickness locations; with exterior glue. Laminated plastic finish on top and all exposed edges, post formed all perimeter edges with a full bull nose radius over a hardwood base edge.

Back & side splash:

Note: backsplash and side splash not required at ceramic tile walls.

To be 4" high constructed of (1) layer of 3/4" plywood with exterior glue. Laminated plastic finish on top and all exposed edges, post formed all top edges with 1/2 bull nose radius.

Plastic laminate:

Colors to be selected by Architect from standard finishes and colors. Laminated plastic to be Formica, Wilson Art, Pionite or equal. Provide sample chain as required for owner's choice.

Shelves: (by County)

3/4", 5-ply plywood with hardwood square edge. Plastic laminate finish all sides. Depths and quantities indicated on the drawings.

Contractor's option:

Birch 3/4", 5 ply-plywood with perimeter 3/4" x 3/4" hardwood edge glued and finish nailed. Front edge to be 3/4" x 1"H. Finish: Stained and (2) clear coats finished of all surfaces.

Countertop & Shelves Supports (at fixed locations):

Supports to be by Rakks, EH - xxxx (see drawings for countertop and shelf sizes), powder coated bronze pre-finish. Install at 24" c/c maximum spacing or as otherwise indicated on the drawings. Sizes to be

selected per manufacturer's application chart. Supplier's option to provide matching fabrication of these supports (note: shop finish needs to be included).

Install wall blocking to accommodate locations of supports.

Adjustable Wall Shelves Supports: (Not applicable – by County)

Provide K&V or equal medium-duty adjustable wall standards and brackets in painted finish. Maximum spacing of standards to be 24", maximum overhang of shelves at ends to be 4".

Coordinate with owner and install wall blocking to accommodate locations of supports.

Window Sills:

Not required.

3. EXECUTION

Millwork on this job shall be stored and protected from its starting point as follows: All lumber shall be stored and placed under cover in such a manner that it receives proper ventilation.

Millwork shall be protected against dampness during and after delivery.

Long pieces of millwork requiring joints are to be rabbeted and glued. Scribe trim where required. Miter all corners and returns. Blind nail wherever possible. Countersink all nails & fill holes with matching putty.

Provide removable stops for the installation of all glazing materials in window walls and doors.

All millwork and trim shall conform to design and details shown. Where practicable, work shall be finished and assembled at mill. All millwork and trim shall be finished smooth and free from machine or tool marks that will show through the finish. All nail heads shall be set to receive putty.

All joints shall be tight and formed to conceal shrinkage. Shop miters 4 inches or more from heel to point shall be glued and locked. Make dowels and tenons to a driving fit. Make outside joints to exclude water and set in waterproof glue under pressure.

Running finish shall be in long lengths and jointed only where solid fastenings can be made. End joints in built-up members shall be well distributed. Miter exterior corners and cope interior angles.

Provide blocking and lookouts as required for securing work in place.

END OF SECTION

07840 FIRESTOPPING

1. GENERAL

Related Documents:

Division 1 - General Requirements

Section 09250 - Gypsum Wallboard and Accessories

Description of Work

All General, Plumbing, Mechanical and Electrical related firestopping work is to be provided as a part of each contractor's contract work. Each contractor is responsible for their own cutting of openings and penetrations, and for the firestopping of all fire rated assembly locations in accordance with UL listed details and products. Openings and penetrations in non-rated construction assemblies are to be draft stopped to prevent the passage of smoke.

Existing openings created from the removal of work shall be fire stopped by the contractor who's demolition created the opening. All existing openings in the area of work shall be firestopped by the General Contractor as required to facilitate obtaining a final inspection by the building authority.

All contractors are to coordinate their work with the General Contractor in conjunction with their work being installed.

Related Work:

All General, Plumbing, Mechanical and Electrical Sections of the drawings and specifications as applicable.

Submittals:

Submit a comprehensive list of materials, locations, assemblies (including UL reference numbers) for all areas of the project.

Submit manufacturer's literature and installation details for all assemblies and products.

Provide all necessary submittals to the building authority for approvals.

References:

Supplier's and manufacturer's design and installation standards in accordance with the UL Directory, 1999 edition and all amendments and additions.

Ohio Building Code - latest edition, Chapter 7, Fire-Resistance Rated Construction.

2 PRODUCTS

Materials:

Product manufacturer(s) to meet the standards established by the Owner (as applicable). Products to be by STI, Hilti, 3M, Tremco or approved equal, and shall include but not be limited to the following:

1. Intumescent Mastic
2. Intumescent Wrap Strips
3. Intumescent collar and sleeve devices
4. Intumescent flowable putty and sealants
5. Fire prevention mortar
6. Acrylic and silicone sealants
7. Fire safing mineral wool and backer rods

8. Fire-rated gypsum products

All materials to be provided in accordance with the UL tested assemblies and manufacturer's assembly requirements.

3 EXECUTION

Installation:

Install in accordance with the UL tested assemblies and manufacturer's assembly requirements.

Coordinate all finish trim and construction details for a concealed appearance.

Coordinate all work to allow access to assemblies as required for inspections and maintenance.

END OF SECTION

07900 SEALANTS

PART 1 - GENERAL

1.01 Related Documents

- A. The drawings and General Provisions of the Contract, including the General and Supplementary Conditions and Division 1 as appropriate, apply to the work specified in this section.

1.02 Related Sections

- A. 06200 Finish Carpentry
Division 8 Doors
Division 9 Finishes
12300 Cabinets
Mechanical, Plumbing & Electrical

1.03 Description of Work

- A. Provide all labor and materials to seal along all openings, joints and exposed flashings and at locations shown on the drawings as required for a complete weatherproof job.
- B. Provide all labor and materials to install sealant on the exterior and interior of the building as shown on the drawings and as otherwise required for a complete weatherproof job and for finish appearance work.
- C. Seal around doors, windows and walls typically, and other openings as well as at casework for finished appearance typically at all locations.

1.04 Coordination of Installation:

- A. Coordinate work of this section with the mechanical, plumbing and mechanical subcontractors.

1.05 Quality Assurance:

- A. The installer shall have a minimum of ten (5) years experience on comparable projects.

1.06 References:

- 1. ASTM C-920, type S, grade NS, and TT-S-00230C, type II, class A

1.07 Submittals:

- A. Manufacturers' Literature: Materials description and installation instructions.
- B. Color charts or cured materials samples for color selection and approval.

1.08 Delivery, Storage, and Handling:

- A. Deliver materials with manufacturer's labels intact and legible.
- B. Store materials on raised platforms indoors in a temperature controlled environment meeting acceptable temperature ranges established by the manufacturer.

1.09 Warranty:

- A. Manufacturer's warranty indicating that the products will not crack, crumble or deteriorate; and will not loose bond to applied surfaces if installed per the manufacturer's recommendations for a period of (5) years. Contractor warranty to repair all defects for same (5) year period.

1.05 Quality Assurance:

- A. The installer shall have a minimum of ten (10) years experience on comparable projects.
- B. The specified products shall be reviewed and provided for the project based on the outcome of the pull tests. Specified products shall be provided unless otherwise approved based on test results.
- C. Testing:
 - 1. The manufacturer's representative shall provide a walk-through with the contractors and Owner to review all joint locations and surfaces prior to testing. And shall confirm the products to be used.
 - 2. Metals to be painted including window framing and door framing, etc shall be prepared, primed and painted prior to the testing and allowed to cure as recommended by the painting manufacturer. The painting manufacturer's representative shall be consulted prior to the application of the paints and sealants.
 - 3. The applicator (subcontractor) shall provide pull testing for all different conditions on the project. After preparing and cleaning the surfaces, prime the surfaces with the manufacturers recommended products and apply the sealant. Note: masonry may be tested with and without primer as recommended by the mfr's representative. Allow to cure 7 – 10 days per mfr's recommendation. The manufacturer's representative shall provide the pull test on site and document the results, and issue a report of compliance.

PART 2 - PRODUCTS

2.01 Materials

- A. Exterior Sealants:
 - 1. Joint sealant shall be silicone equal to Tremco Spectrem 3 or Dow 790 and/or 795.
 - 2. Colors to be selected from manufacturer's standard colors or per tint-ability by architect to match existing material colors.
- B. Interior Sealants:

Joint sealant shall be one part acrylic sealant meeting ASTM-C 834-81 equal to Tremco Acrylic Latex 834. Other acceptable manufacturers include Sonneborn, Pecora, or equal. For general interior use only. Colors to be selected from manufacturer's standard colors. Tack free time 24 hours or less.
- C. Primers: Clear waterproof type as recommended by sealant manufacturer.
- D. Backing: Closed cell plastic foam sponge material (compression installed) using polystyrene, polystyrene, butyl, untreated.
- E. At locations where existing sealants have been used, review materials and submit applicable substitutions for review and approval.

PART 3 - APPLICATION

3.01 Inspection:

- A. Examine all surfaces to receive the accessories.
- B. Surfaces to which sealants are to be applied shall be sound, clean, dry and free from defects that might affect the application.

3.02 Preparation:

- A. Before applying compound clean all surfaces free of existing sealants, dust, dirt, film and moisture. Dust masonry surface with a stiff brush. Wipe surface with cleaning agents recommended by manufacturer and dry thoroughly.

3.03 Installation:

- A. Apply sealant directly from the container per manufacturer's directions. Do not thin.
- B. If joint is deep, fill with manufacturer's recommended joint filler.
- C. Do not install sealant when temperature is below 40°F. unless approved by Associate.
- D. Surfaces shall be clean and dry, free of oil, grease, etc.
- E. Prime masonry surfaces before applying sealant.
- F. Tool all joints with a brush.
- G. Joint Dimensions
For joints 1/4 in. (6mm) to 1/2 in. (13mm) wide, the width to depth ratio should be equal. Joints 1/2 in. (13mm) wide or greater should have a depth of 1/2 in. (13mm). Minimum joint size 1/4 in. by 1/4 in. (6mm by 6mm). Maximum joint width 3/4"
- H. Surface Preparation
For good adhesion, the joint interface must be sound, clean and dry. Depending on the substrates, the joint surface may require a thorough wire brushing, grinding, sandblasting, solvent washing and/or primer.
- I. Joint Backing / Bond Breaking Tape
Closed cell polyethylene backer rods are to be installed as a joint backing material to control depth of sealant bead. Where depth of joint will prevent use of joint backing, an adhesive backed polyethylene tape should be installed to prevent three-sided adhesion. Joint backing must be dry at the time of sealant application.
- J. Tooling & Cleaning
Tooling is required immediately after application to ensure firm, intimate contact with the joint interface. Dry tooling is preferred. Cleaning can be accomplished with solvents such as IPA, MEK or Xylol while sealant is in an uncured state.

3.04 Completion:

- A. All locations to be reviewed to be watertight. Test seals as necessary to determine bond performance. Repair / replace as required until satisfactory application is provided.
- B. All excess materials and debris to be removed from project site. Clean all excess sealant from surfaces.

END OF SECTION

DIVISION EIGHT DOORS AND WINDOWS

08100 METAL DOORS AND FRAMES (FRAMES ONLY)

1. GENERAL

Provide and install all metal door frames and related accessories as specified and shown on the drawings.

Steel door frames to comply with standards of Steel Door Institute, CS245-62 and ASTM A366-667.

Provide U.L. labeled doors and frames as indicated on the drawings and in the Door Schedule.

Related Work:

Section 06200 Finish Carpentry

Section 08710 Finish Hardware

Section 09900 Painting

Furnish shop drawings showing thickness, gauge, finishes, and details, connections to other work, fastenings, and anchors.

2. PRODUCTS

Metal Frames to be equal to Steelcraft, Ceco, or Fenestra.

Provide frames for doors as indicated on the drawings.

F- Series (2") Frames:

Interior metal frames to be 16 gauge high quality steel, cold rolled. Exterior metal frames to be 14 gauge, galvanized, high quality steel, cold rolled.

Weld frames full depth and width or weld equivalent splice plates on unexposed faces of frames, or weld miters of frames. (Knock down frames are not permitted)

Exposed surfaces of welded joints to be smooth. Cutouts to be accurately located and made to fit the hardware. Cutouts to have dust covers of sheet steel welded in place. Manufacturer to drill, fit and tap for locks, strikes, hinges and concealed hardware.

Reinforcing plates to be provided in frames for locks, strikes, door closers and flush bolts and hinges.

3. EXECUTION

Frames must be installed plumb and properly aligned. Securely anchor to floor and adjacent wall construction. Use three (3) rubber bumpers per frame. Install with manufacturers recommended wall / frame anchors based on the construction materials being attached to.

Provide wood spreaders if factory installed spreaders are not included.

Upon delivery, examine frames, repaint all abrasions and scratches. Store door frames in an upright position.

Installation shall conform to the published Steelcraft installation instructions, ANSI A250.11-2001 (formerly SDI 105) Recommended Erection Instructions for Steel Frames and HMMA 840.

Fire Rated Assemblies must be in accordance with NFPA Pamphlet 80. The Authority Having Jurisdiction is the final authority in issues related to the installation and use of installed Fire Rated Doors.

Install true and plumb in each opening. Test the swing and adjust as necessary for smooth operation.

END OF SECTION

08200 WOOD DOORS & FRAMES

1. GENERAL

Provide and install all wood doors and frames as specified and indicated in the door schedule and on the drawings.

Related Work:

Section 06200 Finish Carpentry
Section 08100 Metal Doors and Frames
Section 08710 Finish Hardware
Section 09900 Painting

Submittals:

Submit shop drawings, schedules, and details showing size, location, swing, frame, elevations, and glazing along with manufacturer's installation instructions and warranty.

Applicable Standards:

NWMA Industry Standard I.S. 1-80 Series and Architectural Wood Work Institute for Type SCL.

Storage and Handling:

Each door to be individually wrapped with polywrap before shipping. Store doors flat on a level surface in a dry, well ventilated area. If stored on job site for more than one week, all edges should be sealed.

Guarantee:

Contractor shall furnish a statement in writing by the door manufacturer that doors submitted for approval conform in all respects with Contract Documents.

Statement shall also include that all doors are guaranteed against warping, twisting, and manufacturing defects for the life of the installation.

If any doors are defective, they will be promptly replaced by the manufacturer without charge to the owner, including rehanging doors.

Hardware Machining:

Doors and frames to be factory machined for all hardware applications using templates and instructions provided by hardware manufacturer. Machine for hardware and fit to frames using guidelines of A.W.I. and D.H.I.

2. PRODUCTS

Manufacturer: Basis of Design: Products of Cendura™ Series | Mohawk by Masonite Architectural or equal.

Model: 1-3/4" thickness, solid core, wood veneer. Veneer to match existing (birch), field verify.

Wood Frames: Not required

Finishing: Wood doors to be finished on site to match the existing doors.

3. EXECUTION

Doors shall be installed after all necessary fitting has been completed according to manufacturer's written instructions.

Doors shall be installed so they hang plumb and true with clearance of 1/8" at head and sides, depending on door type, moisture content at time of installation and the average change in local humidity changes from summer to winter.

The utility or structural strength of the door must not be impaired in the fitting of the door, the application of hardware, or cutting and altering the door for lights, louvers, or other special details.

Use three hinges for doors 7'-6" in height or less. Use four hinges at doors 48" wide or more.

Interior doors should not be subjected to extremes of heat and/or humidity conditions. Relative humidity should not be less than 30 percent or more than 60 percent.

Project Close Out:

Inspect all doors for proper fit, operation, appearance, and compliance with drawings and specs.

Repair or replace any doors found to be defective or installed incorrectly.

Provide owner with all required information, including but not limited to written manufacturer's warranty, care and finishing instructions, and written procedures to follow in case defects arise during warranty period.

END OF SECTION

08305 ACCESS DOORS

1. GENERAL

Provide and install metal access doors in all walls and ceilings for access to plumbing, mechanical, and electrical work as typically required by all trades. Some locations may be designated on the drawings or noted but all locations are to be provided for regardless. The General Contractor is responsible for providing these access panels and shall get a list of locations and sizes intended for use from each subcontractor prior to bid. If the subcontractor(s) do not provide a list or the list is not accurate, the subcontractor(s) shall provide the access panels at their cost for the GC to install.

Submit shop drawings showing quality of fabrication, along with adequate details showing installation, anchorage, and connections to work of adjacent trades.

Access doors to have fire ratings to match wall and ceiling fire ratings as applicable.

2. PRODUCTS

Access Doors:

To be equal to Williams Bros. WB-FR Standard Fire-Rated Ceiling Access Doors in fire rated ceiling locations; WB-FR Standard Fire-Rated Access Doors in fire rated wall locations; and WB-RP Removable Panel Doors in non-rated wall locations. Other acceptable manufacturers include Milcor, Larsen or equal.

Doors to be 18 gauge, flush steel pan, concealed full length pivot hinges opening to 90o, self-latching direct acting lock access with key, prime paint finished.

Provide size 12" x 12" typical minimum size unless otherwise indicated on the drawings. Verify sizes and locations and provide all sizes as required for all access requirements.

3. EXECUTION

Install as per manufacturer's instructions and approved shop drawings.

Support unit securely from the building structure. Frame walls and ceiling openings as required to provide rough openings. Coordinate rough framing and truss layouts prior to construction.

END OF SECTION

08710 FINISH HARDWARE

1. GENERAL

The work in this section shall include the furnishing of all items of finish hardware as herein after specified or obviously necessary to complete the building, except those items which are specifically excluded from this section of the specification.

Related Work:

The following sections of this specification should be examined in order to identify materials or equipment which may be obtained through this section.

Description of Work:

Finish hardware is that used in building construction, particularly on or in connection with doors, frames, cabinets and other movable members. It also has a finished appearance as well as functional purpose and may be considered as a part of the decorative treatment of a room or building.

The following hardware is listed elsewhere in these specifications and shall not be a requirement of this division:

Aluminum door hardware except as noted

All rough hardware

Transformers, junction boxes, wire and hook-up of electrical detectors and closers.

Astragals and metal edges as required for 45/60/90 minute fire rated wood doors and all hollow metal doors.

Aluminum T-astragals for 20 minute door pairs shall be supplied by the Hardware Supplier.

Quality Assurance:

Hardware has been specified herein by manufacturers' name, brand, and catalog numbers for the purpose of establishing a basis for quality, finish, design and operational function.

To insure a uniform basis of acceptable materials, it is the intention that only manufacturers' items specified as "Acceptable and Approved" be furnished for use on this project.

Deviation from, or modification of items will be permitted only for special instances caused by reason of construction characteristics and for the purpose of providing proper operational function. The Contractor shall be responsible for checking any necessary deviations in order that hardware shall fit and function properly.

Substitutions:

Request for substitutions of hardware items listed as "Acceptable and Approved" shall be made to the Architect no later than ten (10) days prior to bid opening. Approval of substitutions will only be in writing by addenda. Requests for substitutions shall be accompanied by samples and/or detailed information as to the manufacturer of the product.

NO SUBSTITUTION of hardware items listed shall be allowed.

Supplier:

A recognized builders Hardware Supplier who has been furnishing hardware in the project's vicinity for a period of not less than five (5) years, and who is, or has in employment and Architectural Hardware Consultant (AHC) in good standing as certified by the Door and Hardware Institute. This consultant shall have experience in preparation of Architectural hardware specifications, estimation, detailing, ordering, servicing of Architectural hardware in all its branches and will be available at reasonable times during the course of the work project for hardware consultation to the Owner, Architect, and Contractor.

Successful supplier shall be an authorized factory distributor of products here in.

References:

Finish hardware in this section shall meet the following standards as established by the American National Standards Institute, Inc. (ANSI) which is sponsored by the Builders Hardware Manufacturers Association, Inc. (BHMA). Product tests are to be administered by the ETL Testing Laboratories, Inc., Underwriters

Laboratories, or other official testing laboratories which have been designated by BHMA for the testing of ANSI standards. The standards latest revision will be in effect.

Materials & Finishes

Butts & Hinges	ANSI A156.1	Grade 1
Locks & Lock Trim	ANSI A156.2	Grade 1 & Grade 2
Exit Devices	ANSI A156.3	Grade 1
Door Controls-Closers	ANSI A156.4	Grade 1
Auxiliary Locks & Assoc. Products	ANSI A156.5	Grade 1
Architectural Door Trim	ANSI A156.6	
Template Hinge Dimensions	ANSI A156.7	
Door Controls-Overhead Holders	ANSI A156.8	Grade 1
Cabinet Hardware	ANSI A156.9	
Power Operated Pedestrian Doors	ANSI A156.10	
Cabinet Locks	ANSI A156.11	Grade 1
Mortise Locks & Latches	ANSI A156.13	Grade 1

Listed Hardware

Hardware which is to be installed in or on fire labeled doors and frames, Class A or lesser, single or pairs, shall be tested and listed by Underwriters Laboratories and/or Warnock Hersey Laboratories Division. Exit devices which are or be used as panic hardware shall be tested and listed in Underwrites Laboratories "Accident Equipment List - Panic Hardware".

All listed hardware shall be in compliance with National Fire Protection Association Number 80 and be properly stamped or labeled for easy identification.

Submittals:

After the award of a formal contract, six (6) complete typewritten copies of the proposed Finish Hardware Schedule shall be submitted to the Architect for approval. This schedule shall be prepared using the "Sequence and Format for the Hardware Schedule" as approved and recommended by the Door and Hardware Institute (DHI). After approval of the schedule, the Hardware Supplier shall provide six (6) copies of the approved schedule to the Architect for file and distribution purposes. Hardware will not be ordered by the Hardware Supplier until an approved schedule has been received with keying requirements.

Warranty:

Finish hardware shall carry a limited warranty against defects in workmanship and operation for a period of one year or as listed below from date of acceptance. No liability is to be assumed where damage or faulty operation is due to abuse, improper installation or failure to exercise normal maintenance.

1. Locksets and Balance of Hardware one (2) years.
2. Exit Devices five (5) years.
3. Closers ten (10) years

2. PRODUCTS

Acceptable Manufacturers:

Requirements for design, grade, function , finish, size and other distinctive qualities of each type of finish hardware schedule at the end of this section.

Finish of Hardware:

Finish items shall be listed in the hardware schedule and shall conform to ANSI A156.18 unless otherwise specified.

Hinges and Pivots:

Template Hinges: Except for hinges and pivots to be installed entirely (both leaves) into wood doors and frames, provide only template hinges which conform to ANSI whenever applicable.

Use ball bearing hinges on heavy doors, on doors where high frequency service is expected, and on doors equipped with doors closers.

All hinges to be used on exterior doors or doors subject to special atmospheric conditions, (pool area, chemical laboratories, sewage disposal plants etc.) shall be of non-ferrous material, brass, bronze or stainless steel.

Mineral core wood labeled doors, without special hinge reinforcement, shall be hung on half-surface ball bearing hinges using thru bolts and grommet nuts.

Hinge pins, except as otherwise indicated, shall be as follows:

1. Steel hinges: Steel pins
2. Non-ferrous hinges: Stainless steel pins
3. Exterior doors: Non-removable pins (NRP)
4. Out-swing corridor doors: Non-removable pins (NRP)
5. Interior doors: Non-rising pins
6. Tips: Flat button and matching plug, finished to match leaves, except where hospital tip indicated.

Size of hinges shall be as follows:

Door Thickness	Hinge Height	Hinge Width
1-3/8 to 32"	3-1/2	3-1/2
1-3/8 over 32"	4	3-1/2
1-3/4 to 36"	4-1/2	4 or 4-1/2
1-3/4 over 36"	5	4-1/2 Extra Heavy Ball Bearings
1-3/4 over 48"	6	4-1/2 Extra Heavy Ball Bearings
2-1/4 to 42"	5	4-1/2 Extra Heavy Ball Bearing
2-1/4 over 42"	6	4-1/2 Extra Heavy Ball Bearing

Number of hinges per door, provide quantities as follows:

1. For doors less than 5 feet high: 1 pair
2. For doors 5 feet to 7 feet 6 inches high: 1-1/2 pair and one additional hinge for each additional 2-1/2 feet or fraction thereof.

Where projection of door trim is such as to prevent desired degree of opening, the proper hinge width shall be provided to allow the door to clear the trim.

Acceptable and Approved as follows:

1. Hager Hinge Company
2. Stanley Hardware
3. McKinney Products

Keying:

All cylinders shall be keyed at the factory by the cylinder manufacturer, where records are established and maintained.

Except where otherwise specified, locksets, exit devices, and cylinders shall be of the same manufacturer to assure proper operation.

During construction, all cylinders shall be keyed alike. The General Contractor shall receive ten (10) copies of this key. Under no circumstances will the General Contractor receive any permanent building masterkeys or change keys. Upon completion of the building, it shall be the responsibility of the cylinder manufacturer to then install the permanent key system. The permanent keys shall be returned over to the Architect or Owner as directed.

All cylinders shall be furnished with visual key control. The keys and the face of the cylinder plug shall be stamped for identification. Keys will not be stamped with the key bitting.

Acceptable and Approved as follows:

1. To be verified with owner.

Cylindrical Locksets:

A single lock chassis shall accommodate 1-3/8 and 1-3/4 door thicknesses. Locksets shall be non-handed. Locksets shall have separate anti-rotation throughbolts, and shall have no exposed mounting screws.

Locksets shall have solid cast levers without plastic inserts. Levers shall operate independently, and shall have separate inside and outside lever return springs to prevent lever sag. Outside lever handles shall be minimum of 4-5/8 in length and shall provide a minimum of 2 clearance from the surface of the door to the inside of the lever at the midpoint. Outside lever handles may return to with 1/2 of the door surface. Levers on keyed locksets shall be removable only when the designated key is in the cylinder.

When the outside lever is locked, it shall rotate freely and it shall return to its horizontal position when released.

A 3/4 throw latchbolt for pairs of fire doors shall be available. All locksets with a 1/2 throw latchbolt shall be listed by Underwriters Laboratories for A label and lesser class single doors, 4 x 10. All locksets with 3/4 throw latchbolt shall be UL listed for A label and lesser class pairs of doors, 8 x 10.

Acceptable and Approved as follows:

1. Schlage ND Series with Vandlguard. With full size interchangeable core.
(field review existing hardware make and type and report to owner for final selections).

Pushbar Exit Devices: (not required)

The exit device chassis shall be cold forged steel, electroplated for corrosion resistance, and shall be architecturally finished brass, bronze or stainless steel. The pushpad mechanism shall be constructed of extruded aluminum and shall be scalped with architecturally finished brass, bronze or stainless steel. The maximum projection shall be 3 1/4 when the pushpad is active and 2 3/4 when pushpad is dogged down. Nylon bearings and stainless steel springs shall be used for long life and durability; only torsion springs are acceptable. Rear and active case covers shall be wrought brass or bronze shall be plated to match the exit bar. Plastic covers are not acceptable. Latchbolts shall be stainless steel and shall incorporate a deadlocking latch for increased security. Devices without deadlocking latches are not acceptable. Mounting screws shall be concealed to deter tampering. Devices shall be closed on all sides with no pinch points. Panic listed shall have a single point, one quarter turn hex key dogging standard except fire rated.

All outside trim for rim and vertical rod devices shall be interchangeable and include pull, lever or knob operation and designed to be applied over standard 161 lock preparation, and attachment of devices is to be thru-bolted to the escutcheon trim and sexnuts on end caps for added strength and security. Also all trims shall be free wheeling.

All devices shall be listed by U.L. Accident Equipment List - Panic Hardware. All devices shall have the optional Fire Listing with U.L. as Fire Exit Hardware for Class A, 3 hour doors. Rim devices shall have the optional listing for fire doors with ratings up to 1-1/2 hours (Class B).

The devices shall have met Performance Test Requirements in accordance with ANSI Standard A156.3 Grade 1 exit devices.

All devices shall be capable of being used on hollow metal, wood, wood face, or mineral core doors.

Accepted and Approved as follows:

1. Von Duprin99 Series

Closers:

Closers shall be rack pinion construction with both rack and pinion of heat treated steel and with cast iron case. Aluminum case closers are not acceptable. Door closing shall be controlled by a separate latching

speed valve and a separate closing speed valve. Backcheck shall be controlled by a fully adjustable third valve. Valves shall be keyed against unauthorized tampering and shall be of the needle valve type for ease of adjustment. If surface applied, closers shall have cover, void of manufacturers trademarks, which will not project over 2-3/4, and shall be capable of an application on 2 top rail. When required, covers shall be available in bronze and chrome finishes. A 15% power adjustable surface arm bracket shall be furnished regularly in closers with adjustable non hold-open and elbow hold-open arms. Closers shall be U.L. listed for Class A and lesser doors, shall be certified as meeting ANSI A156.4 Grade 1 requirements, and carry a ten (10) year limited warranty.

Acceptable and Approved as follows:

1. LCN 4041 series

Flush Bolts:

Manual flush bolts shall have a spring loaded snap action lever, which will retract the bolt when moved to the up position and project the bolt into the head from when moved to the down position. Flush bolts shall have a 5/8 throw with a 7/8 vertical adjustment. Flush bolts shall be made from forged brass.

Automatic flush bolts shall retract without any manual actuation. Bolts shall have a minimum throw of $\frac{3}{4}$ and shall have a override feature to prevent damage to the door or bolts should some obstruction partially or totally prevent bolt head from penetrating strike. Bolts shall have a minimum vertical adjustment of $\frac{1}{2}$. When used on labeled fire doors, automatic flush bolts shall bear U.L. listing. Provide dust-proof strikes for bottom bolts (optional).

Acceptable and Approved as follows:

1. Rockwood Manufacturing Co.
2. Glynn - Johnson Corp.

Stops:

Stops shall be supplied for all doors not equipped with a holding or stay device.

Stops shall control the desired limit of opening, helping to prevent damage to adjacent walls, columns, equipment, the door or its hardware.

Wall stops or bumpers shall be used in areas where floor stops are required. Wall stops or bumpers shall have a concave gray rubber bumper and trim to match lock finish.

Floor stops shall be used in areas where stops cannot be attached. Stops of the correct height shall be used on exterior and interior doors.

Roller type stops shall be used in areas when the interfering swing of one door may cause damage through contact with another door.

All stops to be fastened to concrete shall use expansion shields and machine screws.

Accepted and Approved as follows:

1. National Guard Products
2. H.B. Ives Co.

Holders:

Heavy duty surface and concealed holders shall have a extruded Architectural bronze track with a built-in shock absorber and hardened holding parts. The holding mechanism shall engage and disengage automatically. A control knob will make the device non-holding when desired. The arm shall be hard-drawn brass. This type of holder shall also be available without hold-open to function as a door stay. Surface holder shall be furnished with sex nuts and through bolts.

Acceptable and Approved as follows:

1. Rixson
2. Glynn-Johnson

Seals:

Seals shall be manufactured from silicone rubber with an aluminum strip. Seals shall be bulb design with a ¼ compression and designed to be installed on metal or wood frames.

Acceptable and Approved as follows:

1. National Guard Products
2. Durable Products

Thresholds:

Threshold shall be flat saddle type, handicap accessible to meet ANSI 117.1, and shall be manufactured from aluminum.

Acceptable and Approved as follows:

1. National Guard Products
2. Durable Products

Coordinators:

Coordinators shall ensure proper sequence of closing and shall have a minimal projection of operating parts not to exceed 1-1/8. Coordinators shall extend the entire width between vertical stops of the door frame.

Acceptable and Approved as follows:

1. Rockwood Manufacturing Co.
2. Glynn-Johnson Corp.

Push / Pulls:

Acceptable and Approved as follows:

1. Rockwood Manufacturing Co.

3. EXECUTION

INSTALLATION

Mount hardware units at heights indicated in Recommended Locations for Builders Hardware for Standard Steel Doors and Frames and Wood Doors and Frames by the Door and Hardware Institute (DHI), except if otherwise specifically indicated or to comply with requirements of governing regulations, requirements for the handicapped, or if otherwise directed by the Architect.

Degree of opening for doors with overhead holders, closers, etc., shall be included in the hardware schedule for the Architect's approval.

All hardware shall be installed by the tradesmen skilled in the application of commercial grade hardware.

Install each hardware item in compliance with the instructions and recommendations. Securely fasten all parts to be attached. Fit faces of mortised parts snug and flush. Make sure all operating parts move freely and smoothly without binding, sticking or excessive clearance. Wherever cutting and fitting is required to install hardware onto or into surfaces which are later to be painted or finished in another way, the hardware shall be removed and stored prior to the painting or finishing. Items shall then be reinstalled only when the finishes have been completed on the surface to which the hardware is to be applied.

At exterior doors and elsewhere as indicated, set threshold in a bed of sealant as specified in Section 07900 to completely fill concealed voids and exclude moisture from every source. Do not plug drain holes or block weeps. Remove excess sealant.

After installation, representative templates, instructions sheets and installation details shall be placed in a binder with the Hardware, Hollow Metal, and Wood Door approved schedules to be turned over to the Owner when the building is accepted. Included shall be at least five (5) each of any special adjusting and/or installation tools furnished with hardware by the manufacturers.

Adjusting and Cleaning:

Adjust and check each operating item of hardware to ensure correct operation and function. Units which cannot be adjusted to operate as intended for the application made shall be replaced.

Final adjustment: Wherever hardware is installed more than one month prior to building acceptance or occupancy of a space or area, the installer shall return to the work during the week prior to acceptance or occupancy and make final check and adjustment of all hardware items. Hardware shall be cleaned as necessary to restore correct operation, function, and finish. Door control devices shall be adjusted to compensate for final operation of heating and ventilating equipment.

Protection:

Whenever hardware is located in areas where it may be subject to damage during construction by handling, cleaning, etc., (i.e., painting, cleaning of brick) it shall be protected and /or removed from its location until the hazardous condition is terminated.

Schedules:

The hardware schedule is a general listing of the hardware requirements and is not intended for use as a final hardware schedule. Any items of hardware required by established standards or practices, to meet state and local codes, shall be furnished whether or not specifically called out.

4. HARDWARE SCHEDULE

All hardware is to be reviewed and approved by the owner. Refer to drawings for Hardware Schedule.

Special double key / locking hardware set to be Schlage S200 Series, S270PD (classroom). Verify with County.

Existing hardware finish is polished brass (verify to match with County).

Existing lockset handles are not ADA compliant. All new handles to be ADA compliant lever handles, Schlage Jupiter (JUP) or as otherwise approved by the County.

Refer to catalog information after this section.

END OF SECTION

08800 GLASS AND GLAZING

1. GENERAL

Provide all labor and material to do all insulated glass work as specified and shown on drawings, including but not limited to exterior windows.

Related Work:

Section 07900 Sealants

Section 08100 Metal Door Frames

Section 08200 Wood Doors

Quality Assurance:

Installer to have a minimum of ten (10) years experience on comparable projects.

Requirements of Regulatory Agencies:

Install glass according to ANSI 97.1-1972 Material Used in Buildings & per State of Ohio Building Code, latest edition.

Submittals:

Submit two (2) 12"x12" samples of each type of glass. Also, submit samples of the type of sealant used indicating color of set or cured material.

Submit shop drawings showing sections and details of glass installation of framing members, heads, mullions, jambs and sills.

Confirm wind load and structural performance criteria are met for all project conditions in accordance with the Ohio Building Code and per the limits deflection of the glazing panels and framing conditions.

Submit manufacturer's literature for glass and glazing materials and recommended installation instructions.

Verify and submit assembly requirement for all insulated glass. The specified assemblies are provided as a general description and are to be provided similarly as required to be in accordance with the manufacturer's warranty requirements. I.E.: surface location of low-E coatings are subject to change.

Delivery, Storage, and Handling:

Deliver glass with manufacturer's labels intact and do not remove until installed.

Deliver glazing compounds and sealants in manufacturer's unopened labeled containers.

Environmental Requirements:

Perform all glazing when ambient temperature is above 40° F. Perform glazing on dry surfaces only.

Warranty:

All glazing materials shall be warranted to be free from defects and to maintain its composition and insulating seals for a period of 10 years. Installation, gasketing and seals shall be warranted to be free from defects and to maintain a watertight seal of the glass unit and the installation into the frames for a period of 10 years. All repairs are to be provided by the contractor for a period of 5 years at no cost to the owner and there after to be prorated for the cost of materials only (labor to be provided in full per warranty).

2. PRODUCTS

Acceptable Manufacturers:

PPG Industries, Libby Owens Ford, or equal.

Materials:

See details and elevations for locations and types of glass.

Exterior Locations: (not applicable)

Interior Locations:

Glass for new interior windows in metal frames per Section 08100 to be 1" insulated (as applicable for framing conditions), 2 layers 1/4", clear interior lite glass, tempered.

Glass for door locations to be 1/4", clear, tempered.

Sealant:

One part elastomeric FS O4ITS 00230 Type II, Class A.

Hardware:

Provide all hardware to install and fasten glazing in place. Other than stopped in installations, provide concealed or blind fasteners. If exposed fasteners are required, details and finishes to be approved by the architect during shop drawings.

3. EXECUTION

Install all glass and glazing products in accordance with manufacturer's written instructions and the best practices of the trade.

Glass to be pre-drilled, cut, polished and final fitted prior to tempering. No field alterations to glass components shall be allowed.

Sealants to be installed in a uniform and neat placement so as not to distract from the appearance of the assemblies.

Glass to be cleaned with approved solutions to remove all dirt and films to a clear appearance. Solutions shall not damage or be detrimental to surrounding trim, framing, sealants, or any other materials surrounding the glass.

END OF SECTION

DIVISION 9 - FINISHES

09250 GYPSUM WALLBOARD

1. GENERAL

Provide and install all interior gypsum board materials, exterior gypsum sheathing materials, steel stud framing and furring systems, firestopping and draftstopping, appropriate fasteners, and all related accessories as specified and shown on the drawings for a complete installation of all systems.

Related Work:
Section 09900 Painting

Quality Assurance:
Installer to have a minimum of five (5) years experience on comparable projects.

Requirements of Regulatory Agencies:
Install gypsum board systems to meet requirements for rated wall systems per U.L. and the Ohio Building Code.

Submittals:
Submit manufacturer's product literature and recommended installation instructions. Provide review and confirmation of products and locations specified by the wall board manufacturer.

Delivery, Storage and Handling:
Gypsum board to be placed inside, under cover, and stacked in a clean, dry place.

Deliver products at least one (1) day in advance of application. Materials to be delivered in their unopened packages.

Environmental Requirements:
In cold weather, provide controlled heat of 70°F in building during the application of gypsum board. Also, provide natural ventilation or air conditioners.

2. PRODUCTS

Georgia Pacific products are specified. Other acceptable manufacturers are: Gold Bond, United States Gypsum Company, Domtar or equal as applicable per product.

Materials:

1. 5/8" Regular Gypsum Panels
2. 5/8" Firecode "C" Gypsum Panels and type "X" as required by rated assembly.
3. 5/8" DensArmor Plus interior panels, interior moisture & mold resistant sheathing to be used at all locations on non-rated walls (typical abuse resistant, and moisture resistance (MR) locations). (not applicable)
4. 5/8" DensArmor Plus, Fireguard, interior panels, interior moisture & mold resistant sheathing to be used at all locations on fire-rated walls (typical abuse resistant, and moisture resistance (MR) locations). (not applicable)
5. 5/8" Dens-Shield tile backer board (At ceramic tile wall locations). Provide 1/2" where noted. (not applicable)
6. 5/8" & 1/2" Fireguard, Dens-Shield tile backer board (at ceramic tile wall fire rated applications). (not applicable)
7. See drawings for other required types and thicknesses.

Steel Studs and Joists:
USG Steel Studs 1-5/8", 2-1/2", 3-1/2", 3-5/8", 4", 6". Galvanized steel.

USG Steel Runners (CR) and as otherwise indicated on drawings.

Non-bearing walls to be minimum 22 gauge studs and 22 gauge top and bottom runners. Refer to drawing wall types for other conditions and gauges.

Fasteners:

1-5/8" minimum length drywall screws, galvanized or epoxy coated at exterior and at damp locations.

Accessories:

Corner Reinforcement	USG Dur-A-Bead #103
Corner Bead	USG Corner Bead #800
Control Joint	USG Control Joint #093
Vinyl Trim	USG Vinyl Trim #P2
Fire Stop	USG Thermafiber Fire/Smoke Stop System

Provide and install all fire caulking and approved safing materials as required to meet applicable codes for firestopping and draftstopping requirements.

Joint Treatment:

USG Perf-A-Tape Reinforcing Tape (use of mesh tape is prohibited).
USG Joint Compound - All Purpose

Sound Insulation:

USG Thermafiber sound attenuation fire blankets (SAFB) with 3" thickness, 17" and 25" wide creased fit sizes for wall cavities. Sound partitions to have an STC of 51 or better.

Metal Furring:

1/2" resilient channels
7/8" metal hat channels
1-1/2" and 3" metal Z furring. Provide matching size J-channels at wall perimeters.
Provide stud furring as indicated or otherwise required (ie; 1-5/8", 2-1/2", etc metal studs and runners).

3. EXECUTION

Partition Installation:

Note: information indicated below shall be supplemented for fire rated assemblies as required to conform to approved listed materials & methods. Typical 1 hour fire rated non-load bearing partition walls to conform to UL Design U419. Other listed assembly designs may be indicated on the drawings.

Verify all design assemblies to be used and submit as required for approval to the architect and building authority.

Stud System Erection:

Attach steel runners at floor and ceiling to structural elements with suitable fasteners located 2" from each end and spaced 24" o.c. maximum or to ceiling joist with toggle or molly bolts spaced 16" o.c. Position studs vertically, engaging floor and ceiling runners and spaced 16" o.c. When necessary, splice studs with 8" nested lap and one positive attachment per stud flange.

Place studs in direct contact with door frame jambs, abutting partitions, partition corners and existing construction elements. Anchor all studs adjacent to door and window frames, partition intersections and corners to ceiling and floor runner flanges. Securely anchor studs to jamb and head anchor clips of door or borrowed light flange place horizontally a cut-to-length section of runner, with a web-flange bend at each end and secure with one positive attachment per flange. Position a cut-to-length study (extending to ceiling runner) at vertical panel joints over door frame header.

Gypsum Panel Erection:

Apply gypsum panel (parallel to studs). Position all edges over studs for parallel application. Use maximum practical lengths to minimize end joints. Fit ends and edges closely, not forced together. Stagger joints on opposite sides of partition. Screw spacing below is for unrated construction.

For single-layer paralleled application of gypsum panels, space screws 16" o.c. in field of panels and along vertical abutting edges. For perpendicular panel application, space screws 16" o.c. in field and along abutting end joints.

Ceiling Installation:

Grillage Erection:

Space 12 gauge hanger wires 48" o.c. at carrying channels and within 6" of end of carrying channel run. Wrap hanger around or thru beams or joist. Install 1-1/2" carrying channels 48" o.c. and within 6" of walls. Position channels at proper height, secure with hanger wire along channel. Provide 1" clearance between channels and abutting walls.

Overlap channel splices 12" and secure each with double strand of 18 gauge wire. At any openings that interrupt carrying or furring channels install additional cross reinforcing.

Steel Stud Framing System Erection:

Attach runners at ceiling height through gypsum panels, to each partition stud with two screws. Insert steel studs in runners and attach each end with one 3/8" pan head screw. Install 1-5/8" stud cross bracing over stud framing, space 48" o.c. and attach to each framing stud with two 3/8" pan head screws.

At hangers, install 12" long stud section for box reinforcing or lap studs 12" and secure each end with two 3/8" pan head screws. At light troffers or any openings that interrupt the ceiling, install additional cross reinforcing to maintain structural integrity of framing.

Gypsum Panel Erection:

Apply gypsum panel of maximum practical length with long dimension perpendicular to ceiling joist. Position end joints over flange and stagger in adjacent rows. Fit ends and edges closely, but not forced together. Fasten panels to joist with 1-5/8" minimum Type S screws spaced 8" o.c. in field of panels and along abutting end and edges.

Gypsum Board Repair/Replacement:

Remove all areas of damaged materials from center to center of nearest studs or joists on at least (2) parallel sides of repair, remove or embed existing fasteners as required to prep for new materials.

Cut all edges of opening square with adjacent sides, all cuts to be straight and cleanly separated from existing materials. Provide new gypsum panel sized to fit opening, gap of joints to be within 3/16" maximum.

At sides longer than 12", provide gypsum board backer plates glued in place to backside of wall panel. Backer plates to extend full width opening side and shall lap onto existing and new boards 2-1/2" minimum each way.

Backer plates to be glued in place with panel construction adhesive or other approved adhesives or compounds.

Provide temporary clamps or screws to secure until cured. Install new patch panel in place to backer plates with adhesive and to stud/joists with 1-5/8" minimum screws.

Tape all joints with reinforcing tape embedded in joint compound. Finish as indicated under Finishing.

Joint Finishing:

All joints to be finished with approved joint and topping compounds in accordance with the latest edition of U.S.G. handbook and otherwise best recommended trade standards.

All areas to have a level 4 finish. Mechanical, electrical and storage rooms may have a level 3 finish.

Fill joints between boards and bed reinforcing tape in approved joint compound, smooth out joints as required and allow to fully dry before proceeding.

Apply a first and second finishing coat of approved topping compound, apply in thin layers with 12" minimum width knife on final coats, feathering out a minimum of 12" each side of center line of joint.

Each layer shall be allowed to fully cure before applying the next layer.

All layers shall be applied so as to minimize final sanding operations.

A third coat may be required for a smooth final appearance.

Sand all surfaces as required to a smooth and evenly uniform consistency, or wet sponge smooth similarly.

END OF SECTION

09510 ACOUSTIC CEILING SYSTEM

1. GENERAL

Provide and install all ceiling tile, grid systems, and related accessories as required for a complete installation of all suspended acoustic ceiling tile systems as specified and shown on the drawings.

Related Work:

Section 09250, Gypsum Wallboard

Installers shall have a minimum of ten (10) years experience in this type work.

Submit manufacturer's published literature on materials and installation instruction for approval.

Warranty:

Panels are to have a 15 year warranty against visible sag when used with the manufacturer's specified suspension system.

2. PRODUCTS

Ceiling tiles shall be Armstrong as specified or equal as manufactured by US Gypsum, Celotex, or equal.

Tile & Grid:

Provide tiles as indicated on room finish schedule and shown on reflected ceiling plan, unless there is a conflict, in which case, review and resolve with the architect.

All products are to be reviewed and approved by the owner.

S.A.T. 1:

Armstrong, or equal as required to match the existing tiles: 2'x2'x3/4", fissured, tegular, square edge, installed in compatible grid system

Colors:

All tile and grid colors to be white.

At existing areas where only a portion of tiles are to be replaced, salvage existing tiles from other areas as possible for re-use and/or provide matching new.

Accessories:

Touch up spray powder in color to match tile.

3. EXECUTION

Install suspended grid tee system and tile as recommended by the manufacturer and as required by the building code using approved wire hangers, attachment clips and hardware. Provide additional support framing as required to span across areas where the structure above is obscured or otherwise inaccessible. All supports shall be attached to structural system components only.

The system shall be installed to permit border units of the greatest possible size. Refer to reflected ceiling plans for layouts and coordinate all changes with the architect prior to installation. Typically all grids shall be laid out centered in the room or area and as otherwise required to accommodate the lighting layouts.

Coordinate all lighting and diffuser locations with electrical and mechanical contractors and with the architect for final layouts.

All members shall be aligned for true and level surfaces and straight lines.

Replace units which are damaged or improperly installed.

Install suspension wires for all light fixtures and/or secure to grid as required by the building code.

END OF SECTION

S200 Series

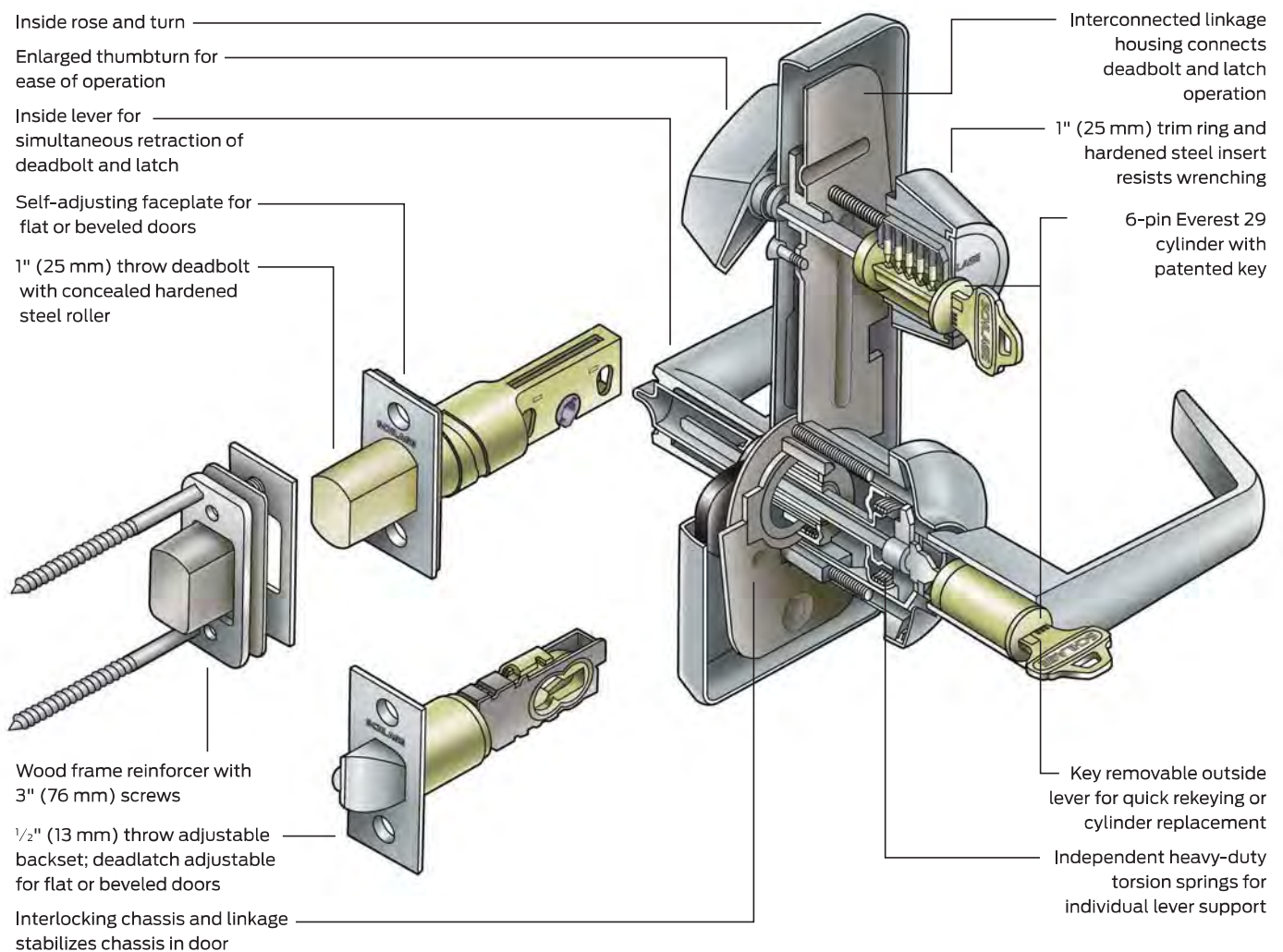
When it comes to quick, easy egress and dependable security, Schlage S200 Series interconnected locks get the job done. Designed for applications ranging from military housing to multi-family and small hotel/motel buildings, the S200 Series is a lock you can depend on.

Pictured here: S200 Series interconnected lock with Flair lever in 626 satin chrome



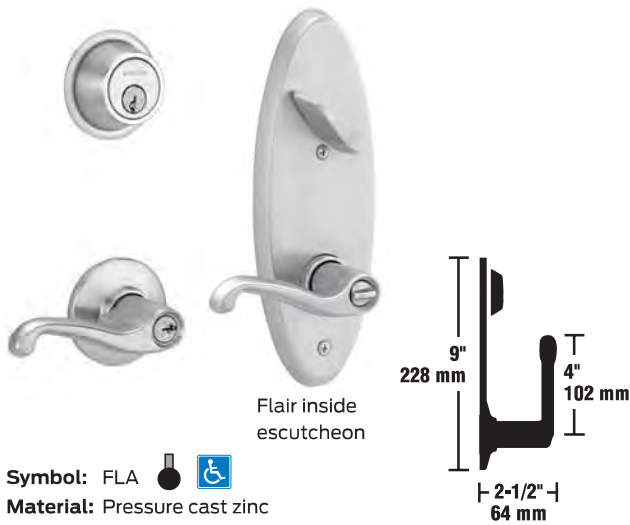
Safety, security and long-lasting performance

- Heat-treated steel locking components for extra strength
- Independent heavy-duty lever torsion springs for durability and long life
- Non-handed levers for easy field installation
- Extra-strong Everest 29™-patented keys standard for commercial applications

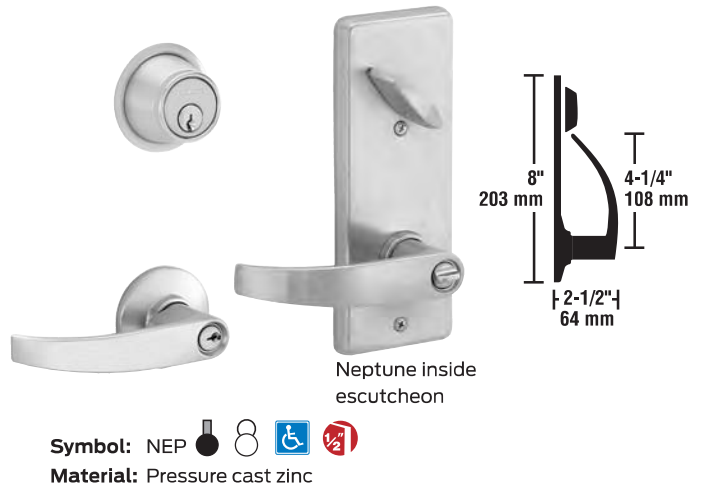


S200 Series lever designs

Flair (FLA)



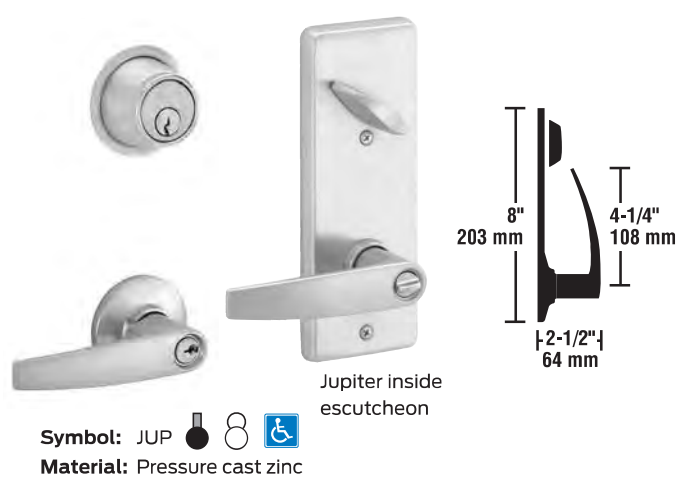
Neptune (NEP)



Saturn (SAT)







Jupiter (JUP)



Meteor outside escutcheon



All designs shown in 626 Satin Chrome

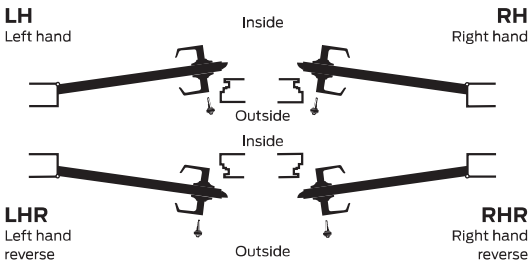
-  = Standard cylinder.
-  = FSIC full size interchangeable core option.
-  = Complies with ADA accessibility guidelines.
-  = Meets California code for 1/2" or less return to the door.

Lever finishes

								
	605 Bright brass	606 Satin brass	609 Antique brass	612 Satin bronze	613 Oil rubbed bronze	619 Satin Nickel	625 Bright chromium plated	626 Satin chromium plated
S200 Series locks								
Flair	•	•	•	•	•	•	•	•
Jupiter	•	•			•	•	•	•
Neptune	•	•			•	•	•	•
Saturn	•	•	•	•	•	•	•	•
Meteor (36-056)	•	•	•	•	•	•	•	•

Door handing

All Schlage locks are reversible. Hand information is necessary to ensure proper cylinder orientation in keyed functions, and finish of latchbolt and strike for locks that are to be installed on reverse bevel doors. Follow the diagram to correctly determine the hand of the door.



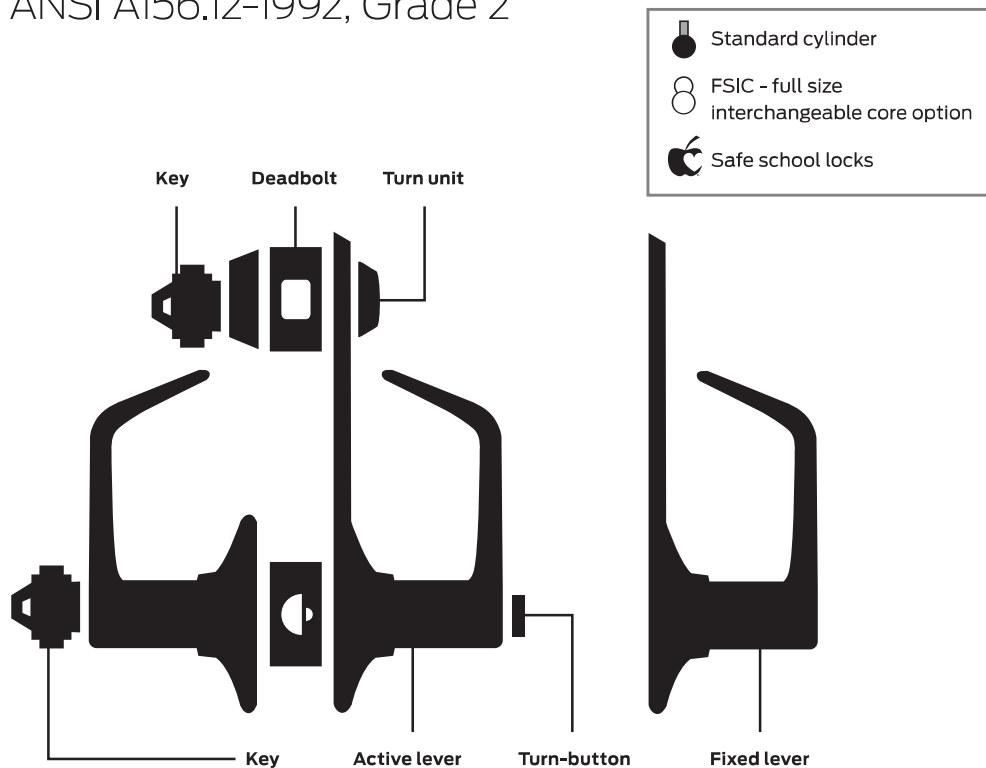
ADA-compliant products

In compliance with the American National Standards Institute (ANSI A117.1) and the Americans with Disabilities Act (ADA), Schlage Lock Company offers a wide selection of locks designed for the needs of the physically challenged. This act is designed to provide protection for people with disabilities.

Product information and specifications contained in this catalog are subject to change without notice. Please consult the factory.

S200 lock functions

ANSI A156.12-1992, Grade 2

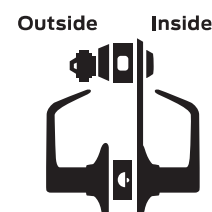


Keyed functions

Schlage **S210PD** ANSI **F95**

Entrance, single locking

- Deadbolt operated by key from outside or by turning unit from inside
- Bolt automatically deadlocks when fully thrown
- Latchbolt retracted by lever from either side
- Turn inside lever to simultaneously retract deadbolt and latchbolt for immediate exit



Schlage **S251PD** ANSI **F97**

Entrance, double locking

- Deadbolt operated by key from outside or by turning unit from the inside
- Bolt automatically deadlocks when fully thrown
- Outside lever is unlocked by key from the outside or by turn-button on inside lever
- Turn inside lever to simultaneously released deadbolt and latchbolt for immediate exit
- Latch automatically deadlocks when door is closed

Outside Inside



Schlage **S270PD** ANSI **—**

Classroom lock

- Deadbolt operated by key from outside or by turning unit inside
- Bolt automatically deadlocks when fully thrown
- Outside lever is locked and unlocked by key from the outside
- Turn inside lever to simultaneously retract deadbolt and latchbolt for immediate exit
- Latch automatically deadlocks when door is closed

Outside Inside

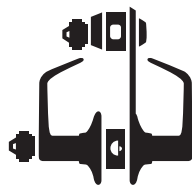


Schlage **S280** ANSI **F98**

Storeroom lock

- Deadbolt operated by key from outside or by turning unit from the inside
- Bolt automatically deadlocks when fully thrown
- Outside lever is fixed
- Entrance by key only
- Inside lever simultaneously retracts both latch and deadbolt for immediate exit
- Latch automatically deadlocks when door is closed

Outside Inside



Schlage **S290PD** ANSI **—**

Single dummy trim

- Dummy trim for one side of door
- Used for door pull or as matching inactive trim



Outside/Inside



Cylinders and key systems

Administrative Security


Primus® XP geographically exclusive side bit milling options

Schlage Everest 29™					
Schlage Classic	End user exclusive nationwide	4N		9N	
	End user exclusive within time zone/country	4Z		9Z	
	End user exclusive within zip code	3G		9G	
	End user controlled; non-exclusive	3U	9U		
	Dealer exclusive within time zone/country	2	8		
	Dealer exclusive within zip code	1+	7		
	Authorized dealer only; non-exclusive	1			

End user controlled; non-exclusive


Authorized dealer only

No authorization




OPEN
Schlage Classic
PSIC & Conventional

- Duplicate anywhere



OPEN
Schlage Everest 29 S
PSIC & Conventional

- Patented design
- Check pin in cylinder



RESTRICTED
Schlage Everest 29 R
SFIC & Conventional*
Schlage Everest 29 T
PSIC & Conventional

- Requires letter of authorization
- Patented design
- Check pin in cylinder

Primus XP RESTRICTED
Schlage Classic
PSIC & Conventional

- 5 levels of side bit milling exclusivity
- Patent protection to 2024
- Independent sidebar and finger pin locking mechanisms

Primus XP RESTRICTED
Schlage Everest 29 R
Conventional*
Schlage Everest 29 S
PSIC & Conventional
Schlage Everest 29 T
PSIC & Conventional

- 5 levels of side bit milling exclusivity
- Patent protection to 2029
- Independent sidebar and finger pin locking mechanisms

UL 437 Option
UL listed security improvements available with Primus XP

- Hardened steel drill pins
- Proven pick and drill resistant
- Withstands extreme physical attack

Physical Security

COMPARABLE ELECTRONIC SECURITY - Ensure your credential is as secure as your keyway

Proximity credentials

- Easily duplicated

MIFARE Classic® smart credentials

- Secure encrypted data & communications
- Difficult to duplicate

MIFARE Plus® & MIFARE® DESFire® EV1 smart credentials

- Advanced data encryption makes duplication nearly impossible
- Most secure credentials available from Schlage

* As SL cylinder that accepts SFIC key

Primus XP access control and high security cylinders

Primus XP access control and high security cylinders are available to add patented key control and varying degrees of geographical exclusivity to most Schlage 6-pin key systems, whether Everest 29 or Classic keyways.

In addition to a conventional pin tumbler mechanism, Primus cylinders incorporate a patented finger pin and sidebar design, providing a “dual-locking” cylinder that is virtually pick-proof. Resistance to drilling and other physical attack is optional by specifying 20-500 Series UL437 Listed cylinders.

Classic Primus XP cylinders are recommended for upgrading existing Classic key systems. Due to its extended patent life, the newly designed Everest 29 Primus XP is recommended for new key systems and for upgrading existing Everest key systems. Specify keyway to differentiate between Everest 29 and Classic. Example: C or CP (Classic) vs. S123 (Everest 29).

Visit allegion.com/us for more information.

Standard cylinders

Schlage locks are provided with cylinders precision built to extremely close tolerances and the highest standards of accuracy. Using only solid brass plugs, extruded brass shells, phosphor bronze springs, nickel silver keys and pins, ensures long life and ease of operation.

Conventional cylinders are available in Classic keyways or in the newly patented Everest 29 keyways. Specify keyway to differentiate between Everest 29 and Classic. Example: C (Classic) vs. S123 (Everest 29).

Cylinders for deadbolt (top) - options

- 6-pin conventional (standard)
- Primus XP high security
- Primus XP UL437 Listed high security

Cylinder only available in 606 and 626 finish only. Cylinder with housing available 605, 606, 609, 612, 613, 625, 626.

Everest 29 S123 keyway standard for commercial; C keyway standard for residential.



Cylinder only

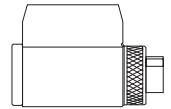
Cylinders for keyed levers (bottom)- options

- 6-pin conventional (standard)
- Primus XP high security cylinder
- Primus XP UL437 Listed high security

Available in 606 and 626 finish only.

Everest 29 S123 keyway standard for commercial; C keyway standard for residential.

Sleeve S605-192 included.



New Everest SL cylinder

- A full-size KIL cylinder that pins to the Schlage SFIC keyways
- Uses pick resistant L pins
- SFIC system owners can gain geographic exclusivity with Primus XP
- Achieves about 57,000 more combinations than a 6-pin system



Everest SL cylinder

Interchangeable core 8

Schlage interchangeable core (IC) locksets allow immediate rekeying at the door simply by using the special control key to replace the core in seconds.

IC locksets are available in all designs except Flair.

Full size interchangeable cores can be integrated into any 5 or 6-pin Schlage key with no adverse affects on keying capacity.

To order complete locks with full size cores, change suffix from **PD** to **RD**. Example: S251**RD**. To order locks less core, change suffix to **JD**. To order with full size construction core, change suffix to **TD**.



All designs shown in 626 satin chrome

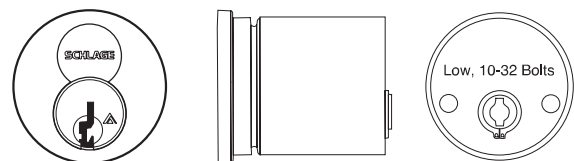
Cores, and IC cylinders and parts



Full size interchangeable cores - options

- 6-pin conventional (standard)
- Primus high security cylinder

Available in 606 and 626 finish only. Everest 29 S123 keyway standard for commercial; C keyway standard for residential.



IC cylinders for deadbolt (top) - options

Tailpiece not included.

- Conventional core
- Primus core
- Primus XP core
- Housing less core

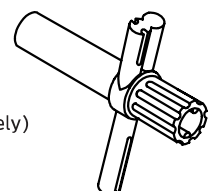
Available in 605, 606, 609, 612, 613, 625 and 626 for housing; 606 and 626 for cores and cylinders only.

Everest 29 S123 keyway standard for commercial; C keyway standard for residential.

IC installation tool

This tool is used to install the driver and retainer for full size IC in Schlage knobs and levers. Its other ends are designed to install and remove mortise cylinder housings and test mortise cylinder cam action for both small format and full size interchangeable core cylinders.

M504-413
 (Order separately)



09650 RESILIENT FLOORING

1. GENERAL

Provide and install all composition tile, rubber base, transition strips, reducers, adhesives, and all related accessories as specified and shown on the drawings for a complete installation of all resilient flooring systems.

Submit samples of each material to be used.

General Contractor to provide a constant temperature of at least 70o F for a period of forty-eight (48) hours prior to installation. A minimum temperature of 55o F is to be maintained after the three (3) day period is up.

2. PRODUCTS

The following tile is to be reviewed and approved by the owner. The owner may require a different tile than the type and manufacturer specified. The specification is to be used for bidding purposes and costs shall be adjusted as per final selection of materials.

Vinyl Tile (Scheduled as V.C.T.):

Standard VCT:

Vinyl composition floor tile shall be Standard Exelon Vinyl Composition Tile, color as selected by architect, 12"x12"x1/8", as manufactured by Armstrong Flooring or equal. Other acceptable manufacturers include Kentile, Azrock, or equal.

Rubber Base:

Rubber base to be equal to Johnsonite or equal by Roppe. Match existing materials at rooms to remain. Base to be 4"x1/8", unless indicated otherwise on details and schedule for specific applications to be 6" Furnish inside and outside corners to match base. Use cove base at all hard surface locations; use straight base at carpet locations.

Miscellaneous:

Transition Strips: To be by Johnsonite Rubber products or equal by VPI, or Roppe and shall match the manufacturer of all like system components (ie: transitions to adjacent materials). All adjacent different flooring materials (including materials of the same type with different patterns or colors) are to have transition strips that are specifically designed and installed to mate the differing materials.

Colors: Standard colors to be selected by owner.

Adhesive: Use adhesive application as recommended by floor materials manufacturers.

3. EXECUTION

Existing floors to be striped to bare concrete. Surfaces to be leveled and made uniform with approved fillers and leveling compounds. Floor substrates to be prepared as required to meet flooring manufacturer's installation requirements.

Before starting work, carefully examine areas to receive floor materials and report to General Contractor any conditions that may affect satisfactory execution of work.

Contractor to repair all defects in surfaces receiving flooring. Material used for repairs to be left to discretion of Flooring Contractor, but material used must be compatible with flooring and adhesive used. If surface is unsatisfactory to apply flooring, General Contractor to repair to approval of Architect.

Moisture content of the concrete floors shall be tested and verified to be acceptable for installation of adhesives.

Before installing any flooring, thoroughly scrape, clean, and dry out surfaces to provide smooth surface. Provide floor prep skim coat materials to a smooth and uniform consistency.

All materials to be installed in strict accordance with manufacturer's current specifications.

Adhesives and other application materials to be those recommended by the manufacturer of the flooring.

Where flooring stops at concrete or other finished flooring surfaces, provide and install a vinyl edge strip or such other material approved by the Architect.

After installation is complete, clean vinyl floors and base with an approved cleaner.

Protect floors until final acceptance with dry building kraft paper.

Repair or replace any flooring damaged during construction.

Furnish the Owner with two (2) copies of floor maintenance instructions.

END OF SECTION

09680 CARPET

1. GENERAL

Provide and install all carpet, padding, adhesives for direct glue down installation where required, approved transition strips where carpet abuts other materials, and all related accessories as specified and shown on the drawings.

Carpet manufacturers other than those specified below will be considered and must be submitted to Architect for approval at least ten (10) days before receipt of bids.

Carpet installers to have a minimum of 10 years full time, consecutive experience in the trade.

Samples:

Submit one (1) 12" x 12" sample of each carpet, padding, and samples of transition strips and edges as required.

Colors shall be selected from successful vendor's samples.

Installer to be responsible for field measurements to determine exact yardage.

Carpets shall meet "DOC FFI" pill test and the Ohio Building Code, current edition.

Warranty:

Vendor to guarantee carpet and installation against defective material and workmanship for one (1) year after acceptance. A "wear" guarantee of ten (10) years is required for carpets.

2. MATERIALS

The following carpet is to be reviewed and approved by the owner. The owner may require a different carpet than the type and manufacturer specified. The specification is to be used for bidding purposes and costs shall be adjusted as per final selection of materials.

All Areas:

Carpet shall be carpet squares, by Interface, First Option Collection, style 19DR402500 or equal.

Selected from all of the standard colors in the fold-out brochure. Product specifications to match the manufacturer's published literature. Color to be determined by owner at time of submittals.

Installation to be direct glue down, adhesive material to be as recommended by the carpet manufacturer.

3. EXECUTION

Existing floors to be striped to bare concrete. Surfaces to be leveled and made uniform with approved fillers and leveling compounds. Floor substrates to be prepared as required to meet flooring manufacturer's installation requirements.

Before starting work, carefully examine areas to receive floor materials and report to General Contractor any conditions that may affect satisfactory execution of work.

Contractor to repair all defects in surfaces receiving flooring. Material used for repairs to be left to discretion of Flooring Contractor, but material used must be compatible with flooring and adhesive used. If surface is unsatisfactory to apply flooring, General Contractor to repair to approval of Architect and carpet installer.

Moisture content of the concrete floors shall be tested and verified to be acceptable for installation of adhesives.

Before installing any flooring, thoroughly scrape, clean, and dry out surfaces to provide smooth surface. Provide floor prep skim coat materials to a smooth and uniform consistency.

All materials to be installed in strict accordance with manufacturer's current specifications.

Adhesives and other application materials to be those recommended by the manufacturer of the flooring.

Where flooring stops at concrete or other finished flooring surfaces, provide and install a vinyl edge strip or such other material approved by the Architect.

After installation is complete, clean floors and base with approved cleaning methods and cleaners.

Protect floors until final acceptance with plastic sheeting held down in place to prevent tripping hazards.

Repair or replace any flooring damaged during construction.

Carpet to be installed by experienced carpet layers, with no less than 10 years experience, in an approved manner.

Install carpet with pile running in same direction, unless specifically directed to do otherwise.

Carpet seams to be heat welded in an approved manner.

Wall base installations to be coordinated with carpet installation. Direct base installer to install as required for the best overall installation of carpet/base appearance and to allow for carpet movement.

After installation is completed, remove any spots with suitable spot remover, remove all cuttings, vacuum carpet thoroughly, and leave in a clean and perfect condition. All excess pieces of usable carpet to be left in the building for future repairs.

END OF SECTION

09900 PAINTING

PART 1 - GENERAL

1.01 Related Documents

- A. The drawings and General Provisions of the Contract, including the General and Supplementary Conditions and Division 1 as appropriate, apply to the work specified in this section.

1.02 Related Sections

- A. Miscellaneous work.

1.03 Description of Work

- A.. Provide all labor, materials, tools, scaffolds, and other equipment as required for complete preparation and painting of all exterior surfaces as specified and shown on the drawings.
- B. Work to include prepping and preparing all surfaces to be painted in accordance with paint manufacturers recommendations and technical support.
- C. Painting Contractor to properly protect surfaces with drop cloths or paper. Paint to be mixed in suitable containers and all necessary precautions to be taken to prevent fire.

1.04 Quality Assurance:

- A. Painting Contractor to have a minimum of ten (5) years experience in projects of this scope.
- B. Field Quality Control: Review first application(s) with Associate for color, texture and workmanship.

1.05 Submittals:

- A. Manufacturers' Literature: Materials description and installation instructions.
- B. Color Samples: Prepare painted surfaces at job site. Samples should be 12" X typical width of material or larger.

1.06 Delivery, Storage, and Handling:

- A. Deliver materials with manufacturer's labels intact and legible.
- B. Store materials on raised platforms indoors in a temperature controlled environment meeting acceptable temperature ranges established by the manufacturer.
- C. Restrict storage to paint materials and related equipment. Comply with health and fire regulations. Provide all paint materials in sealed containers with manufacturer's label intact on container.

1.07 Environmental Requirements:

- A. Comply with manufacturer's requirements as to environmental conditions under which coating systems can be applied. Do not apply finish in areas where dust is being generated.

1.08 Protection:

- A. Cover or protect finished work of other trades and surfaces not being painted concurrently or not to be painted.

1.09 Warranty:

- A. See Section 01740 - Warranties

PART 2 - PRODUCTS

2.01 Materials

- A. Acceptable Manufacturers: Paint specified is Sherwin-Williams (unless otherwise noted). Paint products to be Pratt & Lambert or, PPG. (NOTE: additional coats of paint may be required for material substitutions).
- B. Unspecified materials such as mineral spirits, paint strippers, etc. to be of the "best grade" or "first line" made by and bearing the labels of a reputable, recognized manufacturer. All paint products to be approved by the Associate.

PART 3 - EXECUTION

3.01 Preparation of Surfaces:

- A. Protect surrounding areas as required prior to stripping, scraping and cleaning operations.
- B. Exterior surfaces to be scraped of loose paint and chips are to be collected using vacuum equipment during the operation so that chips do not become air borne.
- C. Clean all painted and unpainted surfaces to receive paint with appropriate compatible products.
- D. All surfaces to be primed using appropriate compatible products base on investigation of the existing substrate or finish being applied over. Test areas to confirm application adherence and suitability.

3.02 Inspection:

- A. Work to be done by skilled mechanics. Examine all surfaces scheduled to receive paint and finishes for conditions that will adversely affect execution, permanence, or quality of work, and which cannot be put into an acceptable condition through preparatory work.
- B. Do not proceed with surface preparation or coating application until conditions are suitable.
- C. Do not apply additional coats until completed coat has been inspected by the Associate.

3.03 Application:

- A. Apply paint with suitable brushes and rollers. Rate of application to not exceed recommendations of paint manufacturer for surface involved.
- B. Keep brushes and rollers clean and dry, free from contaminates and suitable for finish required. Comply with recommendation of manufacturer for drying time between succeeding coats.
- C. Vary slightly the color of successive coats.
- D. Leave all parts of moldings and ornaments clean and true to details with no undue amount of paint in corners and depressions. Make edges of paint adjoining other materials or colors clean and sharp with no overlapping. Refinish whole length or area where portion of finish has been damaged or is not acceptable.
- E. Sand and dust between each coat to remove defects. Finish coats to be smooth, free of brush marks, streaks, laps or pile up of paints, and chipped or missed areas.

F. Tint prime coat to match final coat where two (2) coats are specified.

G. Back prime all wood to be exposed in the finished work.

3.04 Completion:

A. At completion, damaged or defaced finish to be touched up, restored and left in first class condition.

B. All excess materials and debris to be removed from project site. Clean all excess paint from surfaces. Remove spilled, splashed or splattered paint from all surfaces. Do not mar surface finish of item being cleaned.

PART 4 - PAINTING SCHEDULE -
EXTERIOR

A. Not applicable

INTERIOR

A. Gypsum Board (Eggshell, Low Odor - 0 VOC)
One Coat SW ProMar 200 Zero VOC Primer B28W2600
One Coat SW ProMar 200 Zero VOC Latex Eg-Shel B20-2600 Series

B. Metals (Enamel - Semi-Gloss Finish, Low Odor) including Exposed Metal Work, Conduits, Piping, etc.
One Coat SW ProCryl Universal Metal Primer B33-310
Or
Two Coats SW DTM Acrylic Semi-Gloss B66-200 Series

C. Wood Trim (Stained or Natural Finish)
One coat SW Wood Classics 250 VOC wood stain A49-800 Series (Omit for Natural Finish)
Or
Two Coats SW Wood Classics Waterbased Polyurethane Satin or Gloss A68 Series

D. Wood Trim - Painted (Semi-Gloss Finish, Low Odor - 0 VOC)
One Coat SW Premium Wall & Wood Primer B28W811
Two Coats SW ProMar 200 Zero VOC Semi-Gloss B31-2600 Series

END OF SECTION

DIVISION 10 SPECIALTIES

10260 WALL AND CORNER GUARDS

1. GENERAL

Provide and install corner guards as specified.

Provide and install at all outside wall corners in all locations in the new work areas on gypsum board partition walls and "soft" walls. Excludes masonry walls. Also provide at wall openings on both sides of wall.

2. PRODUCTS

Manufactured by American Floor Products Company Inc. or equal.

The Invisible Corner Guard #CG-2145. Clear, 90 degree outside corners of Lexan Polycarbonate, size 1-1/2" x 1-1/2" x 72".

Screws to be chrome plated as provided by guard manufacturer to accommodate countersunk holes in the guards for flush appearance. Length to be a minimum of 1-1/4" to accommodate attachment into studs or wood blocking behind drywall. Provide longer screws where required.

3. EXECUTION

Install in accordance with manufacturer's instructions.

Install with bottom of guards at top of wall base.

END OF SECTION

10520 FIRE PROTECTION SPECIALTIES

1. GENERAL

Provide and install fire extinguishers, wall hooks, and related accessories as follows:

1. Provide and install all cabinets and wall hooks.
2. Install all fire extinguishers.
3. Provide testing and certification of all existing fire extinguishers in the project areas.

Floor Plan Legend:

F.E. - Wall hook mounted fire extinguisher.

F.E.C. - Fire extinguisher in recessed cabinet. (existing only)

Reference Standards:

Standard for Portable Fire Extinguishers, NFPA No. 10.

Submit published brochure showing material and installation instruction.

2. PRODUCTS

Manufactured by Larsen Mfg., or equal by Watrous Inc., or JL Industries.

Cabinets: (not applicable)

Cabinets to be equal to Larsen Mfg., FS 2409-6R (fire rated cabinet) with solid door (white color with red vinyl letters indicating fire extinguisher) recessed cabinets are 9 1/2" wide x 24" high and 6" deep, with 2-1/2" rolled edge trim. Verify wall thicknesses and conditions and provide appropriate trim as required.

Provide Larsen-Loc option for all units.

Fire Extinguishers:

Multi-Purpose Chemical 10# ABC Extinguisher with 4A-60B:C UL rating Model MP-10 by Larsen or equal

Wall Hooks:

Manufacturer's standard wall mounting brackets.

Signage:

Provide all signage and graphics to indicate emergency use in all locations, verify with owner.

3. EXECUTION

Install in accordance with manufacturer's instructions and NFPA 10.

Provide updated inspection and fill of existing extinguishers in project area as shown on the drawings. All new & existing extinguishers to have the same inspection date.

END OF SECTION

DIVISION TWELVE FURNISHINGS

12300 MANUFACTURED CABINETS

1. GENERAL

Provide and install pre manufactured cabinets and all related accessories as specified and required on the drawings. Note: these cabinets are noted on the drawings by generic listings (I.E.: W1836 for wall cabinet or B24 for base cabinet, etc.).

Countertops and shelves are specified in Section 06200 Finish Carpentry or as otherwise indicated on the drawings.

Provide detailed shop drawings based on the drawings and field conditions to show sizes, filler panels, fabrication, installation, anchorage, and connections. Provide sample panel showing color and finish.

2. PRODUCTS

The following cabinets are to be reviewed and approved by the Owner. The Owner may require a different cabinet type and manufacturer than specified. The specification is to be used for bidding purposes and costs shall be adjusted as per final selection of materials.

Cabinets to be Merillat Classic, Tolani, maple with finish as selected by Owner; frame & panel door design, full overlay; or equal. Provide and install base and wall cabinets as indicated on the drawings.

Notes:

1. Shop fabrication of cabinets is acceptable in place of pre-manufactured cabinets; quality of materials and design to be equal to or better.

Provide all matching filler panels as required at new cabinet locations. Provide finished back and side panels at all exposed cabinet locations.

Sizes indicated on the drawings shall be verified and adjusted as required during construction.

Coordinate cabinet layouts with finished wall to wall dimensions and notify architect if alterations are necessary. Avoid using filler panels more than 2" wide.

Door and Drawer Pulls:

To be provided on all cabinets. Merillat, pull bars in plated finish to match door hardware; profile to be selected by Owner from manufacturer's standard choices. Provide number of pulls per door or drawer as recommended by the manufacturer.

3. EXECUTION

All walls and floor surfaces shall be repaired as required to accommodate a level, true and otherwise craftsman-like installation.

Coordinate all drilling of holes and cutting of access openings in cabinets with plumbing, mechanical, and electrical requirements.

Coordinate and verify all countertop requirements and tolerances prior to installations.

Fillers of equal width to be installed on each end of runs of cabinets as required or as otherwise indicated on the drawings. Scribe fit all fillers to walls for snug, uniform fits.

Seal around all cabinets for finished appearance, see section 07900.

END OF SECTION



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Merillat Classic® Tolani Square



Wood type and finish option must be selected to view a rendering in your selected combination.

WOOD TYPE:

- Maple
- Cherry
- Oak

FINISH OPTIONS:

- Shale
- Hazelnut
- Pecan
- Dusk
- Amaretto
- Kona
- Natural
- Cotton
- Cider
- Paprika
- Chiffon



Tolani is a versatile door style that fits into both traditional and contemporary settings. The beauty of this door style lies in its simplicity, with straight lines and right angles. It is an ideal option for homeowners who want a clean, understated look.

[Download Full Specifications](#) (17.36 MB)
[Warranty Information](#)

Disclaimer: Merillat strives to accurately reproduce the screen images of the samples shown here. However, due to manufacturing variances, the limitations of your monitor resolution and the variation in natural interior lighting, actual colors may vary from the images you see. For this reason, it is important to see a sample of the products at your local dealer or showroom.

Other Details




DOOR PANEL STYLE: Frame and Panel
OVERLAY: Full
WALL CABINET STYLE: Square
DOOR CENTER PANEL: Veneer
DOOR FRAME: Solid Wood
BOX CONSTRUCTION: Framed

- Sable
 - Sedona
 - Toffee
- SHELF THICKNESS: 3/4

DOOR SHAPE: Beveled

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