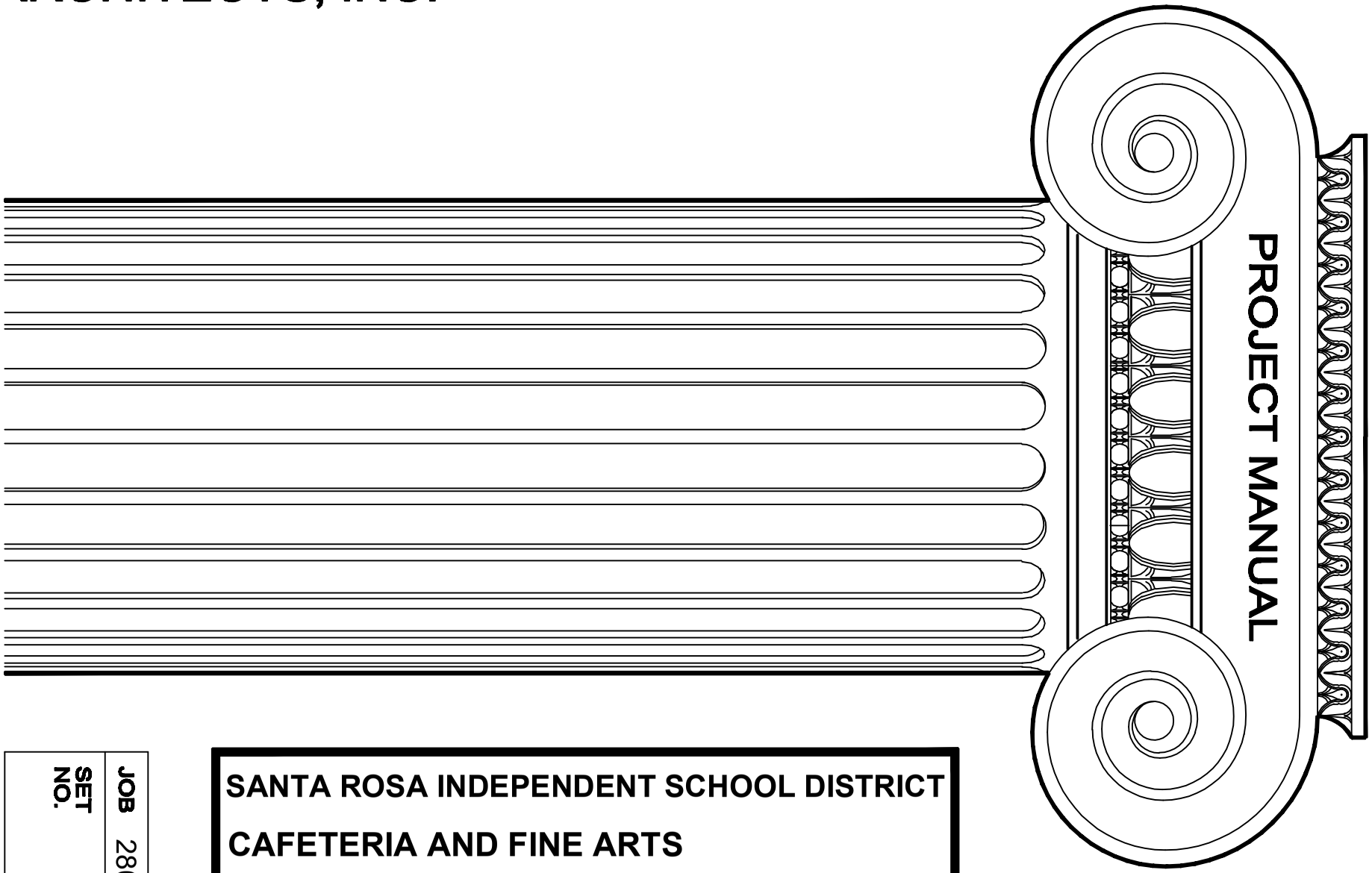
RIKE - OGDEN - FIGUEROA - ALLEX
ARCHITECTS, INC.



JOB 28014-R
SET NO.

SANTA ROSA INDEPENDENT SCHOOL DISTRICT

CAFETERIA AND FINE ARTS

DOOR & HARDWARE REPLACEMENT

232 JESUS T. AVILA AVENUE SANTA ROSA, TEXAS 78593

DOCUMENT 000101 - PROJECT TITLE PAGE

PROJECT MANUAL

SANTA ROSA INDEPENDENT SCHOOL DISTRICT
SANTA ROSA CAFETERIA AND FINE ARTS
DOOR & HARDWARE REPLACEMENT
PROJECT No.: FA1215
SANTA ROSA, TEXAS 78593

PROJECT NO. 28014-R

TEXAS BOARD OF ARCHITECTURAL EXAMINERS
333 Guadalupe, Suite 2-350, AUSTIN, TX 78701-3942
(Tel: 512/305-9000)
HAS JURISDICTION OVER INDIVIDUALS LICENSED UNDER
THE ARCHITECT'S REGISTRATION LAW
ARTICLE 249a, VERNON'S CIVIL STATUTES".

ROFA ARCHITECTS INC.
1007 WALNUT AVENUE
McALLEN, TEXAS 78501
TEL: (956) 686-7771 / FAX: (956) 687-3433
WWW.ROFAINC.COM

END OF DOCUMENT 000101

TABLE OF CONTENTS

Division	Section Title	Pages

PROCUREMENT AND CONTRACTING DOCUMENTS GROUP

DIVISION 00 - PROCUREMENT AND CONTRACTING REQUIREMENTS

00 01 07	SEALS PAGE	1
00 01 15	LIST OF DRAWING SHEETS	1
00 11 19	REQUEST FOR PROPOSAL	3
00 26 00	PROCUREMENT SUBSTITUTION PROCEDURES	3
00 42 13	PROPOSAL FORM - STIPULATED SUM (SINGLE-PRIME CONTRACT)	3
00 43 13	BID SECURITY FORMS	1
00 73 43	WAGE RATE REQUIREMENTS	7

SPECIFICATIONS GROUP

General Requirements Subgroup

DIVISION 01 - GENERAL REQUIREMENTS

01 29 00	PAYMENT PROCEDURES	6
01 77 00	CLOSEOUT PROCEDURES	7

Facility Construction Subgroup

DIVISION 08 - OPENINGS

08 14 16	FLUSH WOOD DOORS	9
08 71 00	DOOR HARDWARE	19
09 91 00	PAINTING	19

END OF TABLE OF CONTENTS

DOCUMENT 000107 - SEALS PAGE

1.1 DESIGN PROFESSIONALS OF RECORD

A. Architect:

1. LUIS A. FIGUEROA, AIA.
2. STATE OF TEXAS REGISTERED ARCHITECT #12856.
3. Responsible for Divisions 01-12 Sections except where indicated as prepared by other design professionals of record.



END OF DOCUMENT 00 01 07

DOCUMENT 000115 - LIST OF DRAWING SHEETS

1.1 LIST OF DRAWINGS

A. Drawings: Drawings consist of the Contract Drawings and other drawings listed on the Table of Contents page of the attached drawing sheets titled SANTA ROSA ISD CAFETERIA & FINE ARTS BUILDING DOOR & HARDWARE REPLACEMENT, dated 12-12-15, as modified by subsequent Addenda and Contract modifications.

B. List of Drawings: Drawings consist of the following Contract Drawings and other drawings of type indicated:

1. AE100 Existing Partial Floor Plan, “Resource Drawing".
2. AE601 Existing Door Schedule, “Resource Drawing".

END OF DOCUMENT 00 01 15

DOCUMENT 00 11 19 – REQUEST FOR PROPOSAL

1.1 PROJECT INFORMATION

A. Notice to Proposers: Qualified Proposers are invited to submit proposals for Project as described in this Document according to the Instructions to Proposers.

B. Project Identification: Santa Rosa ISD Cafeteria & Fine Arts Building Door & Hardware Replacement.

1. Project Location: 232 Jesus T. Avila Avenue, Santa Rosa, Texas 78593.

C. Owner: Santa Rosa Independent School District

1. Owner's Representative: Mrs. Hilda Rendon, Chief Financial Officer

D. Architect: ROFA Architects, Inc.

1. Architect: Mr. Luis A. Figueroa, AIA
2. Project Manager: Miguel A. Martinez, Sr.

E. Project Description: Project consists of the replacement of existing doors and door hardware as indicated in plans and specifications. Due to the nature of this project and project conditions, there will be no substitutions to the products specified in the door hardware specifications. Some painting work will be required and is to be coordinated with project's scope of work.

F. Construction Contract: Proposals will be received for the following Work:

1. General Contract (all trades).

1.2 PROPOSAL SUBMITTAL AND EVALUATION

A. Owner will receive sealed proposals no later than the time and date at the location indicated below. Owner will consider sealed proposals prepared in compliance with the Instructions to Proposers issued by Owner, and delivered as follows:

1. Proposal Date: Tuesday, January 12, 2016.
2. Proposal Time: 4:00 p.m., local time.
3. Location: Santa Rosa ISD (Attention Mrs. Rendon, CFO), 102 Jesus R. Cruz Avenue – Room 37, Santa Rosa, Texas 78593.
4. Mailed-in: Santa Rosa ISD (Attention Mrs. Rendon, CFO), P.O. Box 395, Santa Rosa, Texas 78593.

B. Proposals will be thereafter taken under advisement, confidentially evaluated, and used as a factor in the total proposal scoring that will result in a selection.

C. Any proposal received after proposal date and time, dropped-off or mailed-in, will not be accepted, and will be returned via mail. No facsimiles or late arrivals will be accepted.

1.3 PROPOSAL SECURITY

A. Proposal security shall be submitted with each proposal in the amount of 5 percent (5%) of the proposal amount. No proposal may be withdrawn for a period of 60 days after opening of proposals. Owner reserves the right to reject any and all proposals and to waive informalities and irregularities.

1.4 PRE-PROPOSAL CONFERENCE (NON-MANDATORY)

A. A pre-proposal conference for all proposers will be held at Santa Rosa ISD High School Cafeteria, 232 Jesus T. Avila Avenue, Santa Rosa, Texas 78593 on January 5, 2016 at 10:00 a.m., local time. Prospective proposers are requested and encouraged to attend.

1.5 DOCUMENTS

A. Procurement and Contracting Documents may be obtained after December 21, 2015 by one of the following methods. Documents will be provided only in complete sets.

B. Printed (Hard Copy) Procurement and Contracting Documents: By contacting RGV Reprographics, Inc., 519 S. Broadway, McAllen, Texas 78501 (956) 686-1525. Documents will be provided only in complete sets.

1. Deposit: $50.00 per set.
2. Shipping: Additional shipping charges will apply.
3. Deposits will be refunded to proposers/subcontractors provided that all sets along with addenda are returned within 10 days after proposal submission date. The Proposer awarded the project may retain the construction documents, and request refund of deposit.

C. Digital (PDF Format on Compact-Disc) Procurement and Contracting Documents: By contacting RGV Reprographics, Inc., 519 S. Broadway, McAllen, Texas 78501 (956) 686-1525. Documents will be provided only in complete sets.

1. Purchase: $32.48 per compact-disc.(No Refunds)
2. Shipping: Additional shipping charges will apply.

D. On-File/On-Line Viewable Procurement and Contracting Documents: Complete document sets may be viewed by contacting one of the following locations:

1. ROFA Architects, Inc.
   1007 Walnut Avenue, McAllen, Texas 78501 (956) 686-7771
2. RGV-AGC PLAN ROOMS
   6918 West Expressway 83, Harlingen, Texas 78552 (956) 423-4091 or

505 East Expressway 83, Pharr, Texas 78577

3. SANTA ROSA ISD WEBSITE
   http://santarosa.cyberschool.com/District/Department/4-Business/1167-Current-Bids.html
4. FW Dodge
   3315 Central Avenue, Hot Springs National, Arkansas 71913 (800) 741-2718
   Peggy.keohn@mhfi.com
5. Builders Exchange
   4047 Naco Perrin Boulevard, San Antonio, Texas 78217 (210) 564-6900.
   Karen@virtualbx.com
6. Reed Construction Data
   30 Technology Parkway South, Suite-100, Norcross, Georgia 30092 (800) 424-3996.
   Lauren.mckenzie@reedbusiness.com

E. Complete sets of Procurement and Contracting Documents shall be used in preparing proposals; neither the Owner nor Architect assumes any responsibility for errors or misrepresentations resulting from the use of incomplete sets.

F. The Owner or Architect in making copies of the Procurement and Contracting Documents available on the above terms, do so only for the purpose of obtaining proposals on the work; and does not confer a license or grant for any other use.

1.6 TIME OF COMPLETION AND LIQUIDATED DAMAGES

A. Proposers shall begin the Work on receipt of the Notice to Proceed and shall complete the Work within the Contract Time allotted.

1.7 PROPOSER'S QUALIFICATIONS

A. Reference Document 00 21 16 INSTRUCTIONS TO PROPOSER'S.

B. Reference Document 00 45 16 PROPOSER'S QUALIFICATIONS.

C. Proposers must be properly licensed under the laws governing their respective trades and be able to obtain insurance and bonds required for the Work. A Performance Bond, a separate Labor and Material Payment Bond, and Insurance in a form acceptable to Owner will be required of the successful Proposer.

END OF DOCUMENT 00 11 19

DOCUMENT 002116 - INSTRUCTIONS TO PROPOSERS

1.1 PROJECT INFORMATION

A. Notice to Proposers: Qualified Proposers are invited to submit proposals for Project as described in this Document according to the Instructions to Proposers.

B. Project Identification: Santa Rosa ISD Cafeteria & Fine Arts Building Door & Hardware Replacement.

1. Project Location: 232 Jesus T. Avila Avenue, Santa Rosa, Texas 78593.
2. Owner’s Project Number: FA1215

C. Owner: Santa Rosa Independent School District, P.O. Box 395, Santa Rosa, Texas 78593

1. Owner's Representative: Mrs. Hilda Rendon, Chief Financial Officer

D. Architect: ROFA Architects, Inc., 1007 Walnut Avenue, McAllen, Texas 78501

1. Architect’s Project Number: 28014-R
2. Architect: Mr. Luis A. Figueroa, AIA
3. Project Manager: Miguel A. Martinez, Sr.

1.2 INSTRUCTIONS TO PROPOSERS

A. Instructions to Proposers, is hereby incorporated into the Procurement and Contracting Requirements.

B. A Proposer is a person or entity who submits a Bid, Proposal or Offer and who meets the requirements set forth in the Procurement or Bidding documents.

1. Bidder, Proposer or Offeror may be used interchangeably and are understood to be submitting a Bid, Proposal or Offer for consideration, acceptance or action.
2. Bid, Proposal or Offer is a complete and properly executed proposal to do the Work for the sums stipulated therein, submitted in accordance with the Procurement or Bidding Documents.

1.3 DEFINITIONS

A. Bidding Documents include the Bidding Requirements and the proposed Contract Documents. The Bidding Requirements consist of the Advertisement or Invitation to Bid, Instructions to Bidders, Supplementary Instructions to Bidders, the bid form, and other sample bidding and contract forms. The proposed Contract Documents consist of the form of Agreement between the Owner and Contractor, Conditions of the Contract (General, Supplementary and other Conditions), Drawings, Specifications and all Addenda issued prior to execution of the Contract.

B. Definitions set forth in the General Conditions of the Contract for Construction, AIA Document A201, or in other Contract Documents are applicable to the Bidding Documents.

C. Addenda are written or graphic instruments issued by the Architect prior to the execution of the Contract which modify or interpret the Bidding Documents by additions, deletions, clarifications or corrections.

D. A Bid is a complete and properly executed proposal to do the Work for the sums stipulated therein, submitted in accordance with the Bidding Documents.

E. The Base Bid is the sum stated in the Bid for which the Bidder offers to perform the Work described in the Bidding Documents as the base, to which Work may be added or from which Work may be deleted for sums stated in Alternate Bids.

F. Alternate Bid (or Alternate): Is an amount stated in the Bid to be added to or deducted from the amount of the Base Bid if the corresponding change in the Work, as described in the Bidding Documents, is accepted.

G. Unit Price: Is an amount stated in the Bid as a price per unit of measurement for materials, equipment or services or a portion of the Work as described in the Bidding Documents.

H. Bidder: Is a person or entity who submits a Bid and who meets the requirements set forth in the Procurement or Bidding documents.

1. Bidder, Proposer and Offeror may be used interchangeably and are understood to be submitting a Bid, Proposal or Offer for consideration, acceptance or action.

I. Sub-Bidder: Is a person or entity who submits a bid to a Bidder for materials, equipment or labor for a portion of the work.

1.4 PROPOSER'S REPRESENTATIONS

A. The Proposer by submitting a Proposal represents the following:

1. The Proposer has read and understands the Bidding Documents or Contract Documents, to the extent that such documentation relates to the Work for which the Bid is submitted, and for other portions of the Project, if any, being bid concurrently or presently under construction.
2. The Proposal is made in compliance with the Procurement or Bidding Documents.
3. The Proposer has visited the site, has become familiar with the local conditions under which the Work is to be performed and has correlated the Proposer's personal observations with the requirements of the proposed Contract Documents.
4. The Proposal is based upon the materials, equipment and systems required by the Procurement or Bidding Documents without exception.

1.5 PROPOSAL PROCUREMENT DOCUMENTS

A. Bidders may obtain complete sets of the Bidding Documents from the issuing office designated in the “Request For Proposals” in the number and for the deposit sum, if any, stated therein. The deposit will be refunded to Bidders who submit a bona fide Bid and return the Bidding Documents in good condition within ten days after receipt of Bids. The cost of replacement of missing or damaged documents will be deducted from the deposit. A Bidder receiving a Contract award may retain the Bidding Documents and the Bidder's deposit will be refunded.

B. Bidding Documents will not be issued directly to Sub-bidders unless specifically offered in the Advertisement or Invitation to Bid, or in supplementary instructions to bidders.

C. Bidders shall use complete sets of Bidding Documents in preparing Bids; neither the Owner nor Architect assumes responsibility for errors or misinterpretations resulting from the use of incomplete sets of Bidding Documents.

D. The Owner and Architect may make copies of the Bidding Documents available on the above terms for the purpose of obtaining Bids on the Work. No license or grant of use is conferred by issuance of copies of the Bidding Documents.

1.6 INTERPRETATION OR CORECTION OF PROCUREMENT DOCUMENTS

A. The Bidder shall carefully study and compare the Bidding Documents with each other, and with other work being bid concurrently or presently under construction to the extent that it relates to the Work for which the Bid is submitted, shall examine the site and local conditions, and shall at once report to the Architect errors, inconsistencies or ambiguities discovered.

B. Bidders and Sub-bidders requiring clarification or interpretation of the Bidding Documents shall make a written request which shall reach the Architect at least seven days prior to the date for receipt of Bids.

C. Interpretations, corrections and changes of the Bidding Documents will be made by Addendum. Interpretations, corrections and changes of the Bidding Documents made in any other manner will not be binding, and Bidders shall not rely upon them.

1.7 SUBSTITUTIONS

A. The materials, products and equipment described in the Bidding Documents establish a standard of required function, dimension, appearance and quality to be met by any proposed substitution.

B. No substitution will be considered prior to receipt of Bids unless written request for approval has been received by the Architect at least ten days prior to the date for receipt of Bids. Such requests shall include the name of the material or equipment for which it is to be substituted and a complete description of the proposed substitution including drawings, performance and test data, and other information necessary for an evaluation. A statement setting forth changes in other materials, equipment or other portions of the Work, including changes in the

work of other contracts that incorporation of the proposed substitution would require, shall be included. The burden of proof of the merit of the proposed substitution is upon the proposer. The Architect's decision of approval or disapproval of a proposed substitution shall be final.

C. Refer to Document 002600 Procurement Substitution Procedures.

D. If the Architect approves a proposed substitution prior to receipt of Bids, such approval will be set forth in an Addendum. Proposers shall not rely upon approvals made in any other manner.

E. No substitutions will be considered after the Contract award unless specifically provided for in the Contract Documents.

1.8 ADDENDA

A. Addenda will be transmitted to all who are known by the issuing office to have received a complete set of Bidding Documents.

B. Copies of Addenda will be made available for inspection wherever Bidding Documents are on file for that purpose.

C. Addenda will be issued no later than four days prior to the date for receipt of Bids; except an Addendum withdrawing the request for Bids or one which includes postponement of the date for receipt of Bids.

D. Each Bidder shall ascertain prior to submitting a Bid that the Bidder has received all Addenda issued, and the Bidder shall acknowledge their receipt in the Bid.

1.9 PREPARATION OF PROPOSALS

A. Proposals shall be submitted on the forms included with the Procurement Documents, refer to Document 00 42 13 Proposal Form – Stipulated Sum (Single Prime Contract).

B. All blanks on the proposal form shall be legibly executed in a non-erasable or editable medium.

C. Sums shall be expressed in both words and figures. In case of discrepancy, the amount written in words shall govern.

D. Interlineations, alterations and erasures must be initialed by the signer of the Bid.

E. All requested Alternates shall be bid. If no change in the Base Bid is required, enter "No Change."

F. Where two or more Bids for designated portions of the Work have been requested, the Bidder may, without forfeiture of the bid security, state the Bidder's refusal to accept award of less than the combination of Bids stipulated by the Bidder. The Bidder shall make no additional stipulations on the bid form nor qualify the Bid in any other manner.

G. Each copy of the Bid shall state the legal name of the Bidder and the nature of legal form of the Bidder. The Bidder shall provide evidence of legal authority to perform within the jurisdiction of the Work. Each copy shall be signed by the person or persons legally authorized to bind the Bidder to a contract. A Bid by a corporation shall further give the state of incorporation and have the corporate seal affixed. A Bid submitted by an agent shall have a current power of attorney attached certifying the agent's authority to bind the Bidder.

1.10 PROPOSAL SECURITY

A. Each Proposal shall be accompanied by a proposal security in the form and amount required if so stipulated in the Instructions to Proposers. The Proposer pledges to enter into a Contract with the Owner on the terms stated in the Proposal and will, if required, furnish bonds covering the faithful performance of the Contract and payment of all obligations arising thereunder. Should the Proposer refuse to enter into such Contract or fail to furnish such bonds if required, the amount of the Proposal security shall be forfeited to the Owner as liquidated damages, not as a penalty. The amount of the proposal security shall not be forfeited to the Owner in the event the Owner fails to successfully award the project within sixty (60) days of receipt of proposals.

B. A surety bond is required, it shall be written on AIA Document A310-2010, Bid Bond, unless otherwise provided in the Bidding Documents, and the attorney-in-fact who executes the bond on behalf of the surety shall affix to the bond a certified and current copy of power of attorney.

C. The Owner will have the right to retain the bid security of Bidders to whom an award is being considered until either (a) the Contract has been executed and bonds, if required, have been furnished, or (b) the specified times has elapsed so that the Bids may be withdrawn or (c) all Bids have been rejected.

D. Bid Bond shall be in the amount of five (5%) percent of the Proposal must accompany each proposal.

E. Bid Bond to be issued by an insurance company authorized to provide bonds on work in the State of Texas and shall be made payable to Owner.

1.11 SUBMISSION OF PROPOSALS

A. All copies of the Bid, the bid security, if any, and any other documents required to be submitted with the Bid shall be enclosed in a sealed opaque envelope. The envelope shall be addressed to the party receiving the Bids and shall be identified with the Project name and Owner’s Project number, the Bidder's name and address and, if applicable, the designated portion of the Work for which the Bid is submitted. If the Bid is sent by mail, the sealed envelope shall be enclosed in a separate mailing envelope with the notation "SEALED PROPOSAL ENCLOSED" on the face thereof.

B. Proposals shall be deposited at the designated location prior to the time and date for receipt of Proposals. Proposals received after the time and date for receipt of Proposals will be returned unopened.

C. The Proposer/Offeror shall assume full responsibility for timely delivery at the location designated for receipt of Proposals.

D. Oral, telephonic, telegraphic, facsimile or other electronically transmitted proposals will not be considered.

1.12 MODIFICATION OR WITHDRAWL OF PROPOSAL

A. A Proposal may not be modified, withdrawn or cancelled by the Proposer/Offeror during the stipulated time period following the time and date designated for the receipt of Proposals, and each Proposer so agrees in submitting a Proposal.

B. Prior to the time and date designated for receipt of Bids, a Bid submitted may be modified or withdrawn by notice to the party receiving Bids at the place designated for receipt of Bids. Such notice shall be in writing over the signature of the Bidder. Written confirmation over the signature of the Bidder shall be received, and date- and time-stamped by the receiving party on or before the date and time set for receipt of Proposals. A change shall be so worded as not to reveal the amount of the original Proposal.

C. Withdrawn Proposals may be resubmitted up to the date and time designated for the receipt of Proposals provide that they are then fully in conformance with these Instructions to Proposers.

D. Bid Security, if required, shall be in an amount sufficient for the Bid as resubmitted.

1.13 CONSIDERATION OF PROPOSALS

A. Properly identified Proposals received on time will be thereafter taken under advisement, confidentially evaluated, and used as a factor in the total proposal scoring that will result in a selection. An abstract of the Proposals may be made available to the Proposers.

B. The Owner shall have the right to reject any or all Proposals. A Proposal not accompanied by a required bid security or by other data required by the Procurement Documents, or a Proposal which is in any way incomplete or irregular is subject to rejection.

C. It is the intent of the Owner to award a Contract to the best qualified Proposer provided the Proposal has been submitted in accordance with the requirements of the Procurement Documents and does not exceed the funds available. The Owner shall have the right to waive informalities and irregularities in a Proposal received and to accept the Proposal which, in the Owner's judgment, is in the Owner's own best interests.

D. The Owner shall have the right to accept Alternates in any order or combination, unless otherwise specifically provided in the Procurement Documents, and to determine the best Proposer on the basis of the sum of the Base Proposal, Unit Prices and Alternates accepted.

1.14 POST-PROPOSAL INFORMATION

A. Proposers to whom award of a Contract is under consideration shall submit to the Architect, upon request, a properly executed AIA Document A305, Contractor's Qualification Statement, unless such a Statement has been previously required and submitted as a prerequisite to the issuance of Procurement Documents.

B. The Owner shall, at the request of the Proposer to whom award of a Contract is under consideration and no later than seven days prior to the expiration of the time for withdrawal of Proposals, furnish to the Proposer reasonable evidence that financial arrangements have been made to fulfill the Owner's obligations under the Contract. Unless such reasonable evidence is furnished, the Proposer will not be required to execute the Agreement between the Owner and Contractor.

C. The Bidder shall, as soon as practicable or as stipulated in the Bidding Documents, after notification of selection for the award of a Contract, furnish to the Owner through the Architect in writing:

1. A designation of work to be performed with the Proposer’s own forces;
2. Names of the manufacturers, products, and the suppliers of principal items or systems of materials and equipment proposed for the work; and
3. Names of persons or entities (including those who are to furnish materials or equipment fabricated to a special design) proposed for the principal portions of the work.

D. The Proposer will be required to establish to the satisfaction of the Architect and Owner the reliability and responsibility of the persons or entities proposed to furnish and perform the Work described in the Procurement & Contracting Documents.

E. Prior to the execution of the Contract, the Architect will notify the Bidder in writing if either the Owner or Architect, after due investigation, has reasonable objection to a person or entity proposed by the Bidder. If the Owner or Architect has reasonable objection to a proposed person or entity, the Bidder may, at the Bidder's option, (1) withdraw the Bid or (2) submit an acceptable substitute person or entity with an adjustment in the Base Bid or Alternate Bid to cover the difference in cost occasioned by such substitution. The Owner may accept the adjusted bid price or disqualify the Bidder. In the event of either withdrawal or disqualification, bid security will not be forfeited.

F. Persons and entities proposed by the Bidder and to whom the Owner and Architect have made no reasonable objection must be used on the Work for which they were proposed and shall not be changed except with the written consent of the Owner and Architect.

1.15 PERFORMANCE BOND & PAYMENT BOND

A. If stipulated in the Procurement & Contracting Documents, the Proposer shall furnish bonds covering the faithful performance of the Contract and payment of all obligations arising thereunder. Bonds may be secured through the Bidder's usual sources.

B. If the furnishing of such bonds is stipulated in the Procurement & Contracting Documents, the cost shall be included in the Proposal. If the furnishing of such bonds is required after receipt of bids and before execution of the Contract, the cost of such bonds shall be added to the Bid in determining the Contract Sum.

C. If the Owner requires that bonds be secured from other than the Bidder's usual sources, changes in cost will be adjusted as provided in the Contract Documents.

D. The Proposer shall deliver the required bonds to the Owner not later than three days following the date of execution of the Contract. No work is to be commenced prior to a Notice to Proceed being issued by the Architect. Architect will not issue Notice to Proceed without having required satisfactory evidence of Performance Bond, Payment Bond and Insurances.

E. Unless otherwise provided, the bonds shall be written on AIA Document A312, Performance Bond and Payment Bond. Both bonds shall be written in the amount of the Contract Sum.

F. The bonds shall be dated on or after the date of the Contract.

G. The Proposer shall require the attorney-in-fact who executes the required bonds on behalf of the surety to affix thereto a certified and current copy of the power of attorney.

1.16 FORM OF AGREMENT BETWEEN OWNER AND CONTRACTOR

A. Unless otherwise required in the Procurement Documents, the Agreement for the Work will be written on AIA Document A101, Standard Form of Agreement Between Owner and Contractor Where the Basis of Payment Is a Stipulated Sum.

2.1 SELECTION CRITERIA FOR AWARDING PURCHASE CONTRACTS

A. Texas Education Code 44.031(b) sets out the criteria which a school district may consider in its decision to award a construction contract or a contract for the purchase of goods and services. The following criteria and the relative weight assigned shall be:

CRITERIA	RELATIVE WEIGHT (%)
(1) The purchase price, proposal amount	50%
(2) The reputation of the vendor and of the vendor's goods and services	10%
(3) The quality of the vendor's goods and services	5%
(4) Extent of which the goods or services meet the district's needs	3-5%
(5) The vendor's past relationship with the district	1-5%
(6) The impact on the ability of the district to comply with laws and rules relating to historically underutilized businesses	1-5%
(9) Contractor's Qualification Statement, A305	10%
(10) Thoroughness of proposal submittal, documentation	10%

END OF DOCUMENT 00 21 16

DOCUMENT 00 25 16 – PRE-PROPOSAL MEETINGS

1.1 PRE-PROPOSAL MEETING

A. Architect will conduct a Pre-Proposal meeting as indicated below:

1. Meeting Date: January 5, 2016.
2. Meeting Time: 10:00 a.m., local time.
3. Location: Santa Rosa ISD High School Cafeteria, 232 Jesus T. Avila Avenue, Santa Rosa, Texas 78593.

B. Attendance:

1. Prime Proposers: Attendance at Pre-Proposal meeting is recommended.
2. Subcontractors: Attendance at Pre-Proposal meeting is recommended.

C. Proposer Questions: Submit written questions to be addressed at Pre-Proposal meeting minimum of two business days prior to meeting.

D. Agenda: Pre-Proposal meeting agenda will include review of topics that may affect proper preparation and submittal of proposals, including the following:

1. Procurement and Contracting Requirements:

a. Advertisement for Proposals.
b. Instructions to Proposers.
c. Proposers Qualifications.
d. Bonding.
e. Insurance.
f. Proposal Security.
g. Proposal Form and Attachments.
h. Proposal Submittal Requirements.
i. Proposal Submittal Checklist.
j. Notice of Award.

2. Communication during Procurement/Proposal Period:

a. Obtaining documents.
b. Access to Project Web site.
c. Proposer's Requests for Information.
d. Proposer's Substitution Request/Prior Approval Request.
e. Addenda.

3. Contracting Requirements:

a. Agreement.
b. The General Conditions.

c. The Supplementary Conditions.
d. Other Owner requirements.

4. Construction Documents:

a. Scopes of Work.
b. Temporary Facilities.
c. Use of Site.
d. Work Restrictions.
e. Alternates, Allowances, and Unit Prices.
f. Substitutions following award.

5. Separate Contracts:

a. Work by Owner.
b. Work of Other Contracts.

6. Schedule:

a. Project Schedule.
b. Contract Time.
c. Liquidated Damages.
d. Other Bidder Questions.

7. Site/facility visit or walkthrough.
8. Post-Meeting Addendum.

E. Minutes: Entity responsible for conducting meeting will record and distribute meeting minutes to attendees and others known by the issuing office to have received a complete set of Procurement and Contracting Documents. Minutes of meeting are issued as Available Information and do not constitute a modification to the Procurement and Contracting Documents. Modifications to the Procurement and Contracting Documents are issued by written Addendum only.

1. Sign-in Sheet: Minutes will include list of meeting attendees.
2. List of Planholders: Minutes will include list of planholders.

END OF DOCUMENT 00 25 16

DOCUMENT 002600 - PROCUREMENT SUBSTITUTION PROCEDURES

1.1 DEFINITIONS

A. Procurement Substitution Requests: Requests for changes in products, materials, equipment, and methods of construction from those indicated in the Procurement and Contracting Documents, submitted prior to receipt of bids.

B. Substitution Requests: Requests for changes in products, materials, equipment, and methods of construction from those indicated in the Contract Documents, submitted following Contract award. See Section 01 25 00 "Substitution Procedures" for conditions under which Substitution requests will be considered following Contract award.

1.2 QUALITY ASSURANCE

A. Compatibility of Substitutions: Investigate and document compatibility of proposed substitution with related products and materials. Engage a qualified testing agency to perform compatibility tests recommended by manufacturers.

1.3 PROCUREMENT SUBSTITUTIONS

A. Procurement Substitutions, General: By submitting a bid, the Bidder represents that its bid is based on materials and equipment described in the Procurement and Contracting Documents, including Addenda. Bidders are encouraged to request approval of qualifying substitute materials and equipment when the Specifications Sections list materials and equipment by product or manufacturer name.

B. Procurement Substitution Requests will be received and considered by Owner when the following conditions are satisfied, as determined by Architect; otherwise requests will be returned without action:

1. Extensive revisions to the Contract Documents are not required.
2. Proposed changes are in keeping with the general intent of the Contract Documents, including the level of quality of the Work represented by the requirements therein.
3. The request is fully documented and properly submitted.

1.4 SUBMITTALS

A. Procurement Substitution Request: Submit to Architect. Procurement Substitution Request must be made in writing by prime contract Bidder only in compliance with the following requirements:

1. Requests for substitution of materials and equipment will be considered if received no later than 10 days prior to date of bid opening.

2. Submittal Format: Submit three copies of each written Procurement Substitution Request, using CSI Substitution Request Form 1.5C.
3. Submit to Project Manager: Miguel A. Martinez, Sr.

    a. Via email: miguelm@rofainc.com.
    b. Via fax: 956.687.3433

4. Submittal Format: Submit Procurement Substitution Request, using format provided on Project Web site.

    a. Identify the product or the fabrication or installation method to be replaced in each request. Include related Specifications Sections and drawing numbers.
    b. Provide complete documentation on both the product specified and the proposed substitute, including the following information as appropriate:

        1) Point-by-point comparison of specified and proposed substitute product data, fabrication drawings, and installation procedures.
        2) Copies of current, independent third-party test data of salient product or system characteristics.
        3) Samples where applicable or when requested by Architect.
        4) Detailed comparison of significant qualities of the proposed substitute with those of the Work specified. Significant qualities may include attributes such as performance, weight, size, durability, visual effect, sustainable design characteristics, warranties, and specific features and requirements indicated. Indicate deviations, if any, from the Work specified.
        5) Material test reports from a qualified testing agency indicating and interpreting test results for compliance with requirements indicated.
        6) Research reports, where applicable, evidencing compliance with building code in effect for Project, from ICC-ES.
        7) Coordination information, including a list of changes or modifications needed to other parts of the Work and to construction performed by Owner and separate contractors, which will become necessary to accommodate the proposed substitute.

    c. Provide certification by manufacturer that the substitute proposed is equal to or superior to that required by the Procurement and Contracting Documents, and that its in-place performance will be equal to or superior to the product or equipment specified in the application indicated.
    d. Bidder, in submitting the Procurement Substitution Request, waives the right to additional payment or an extension of Contract Time because of the failure of the substitute to perform as represented in the Procurement Substitution Request.

B. Architect's Action:

1. Architect may request additional information or documentation necessary for evaluation of the Procurement Substitution Request. Architect will notify all bidders of acceptance of the proposed substitute by means of an Addendum to the Procurement and Contracting Documents.

C. Architect's approval of a substitute during bidding does not relieve Contractor of the responsibility to submit required shop drawings and to comply with all other requirements of the Contract Documents.

END OF DOCUMENT 00 26 00

DOCUMENT 004213 - PROPOSAL FORM - STIPULATED SUM (SINGLE-PRIME CONTRACT)

1.1 PROPOSAL INFORMATION

A. Proposer: _____.

B. Project Name: Santa Rosa Cafeteria and Fine Arts Door & Hardware Replacement.

C. Project Location: 232 Jesus T. Avila Avenue, Santa Rosa, Texas 78593.

D. Owner: Santa Rosa Independent School District.

E. Owner Project Number: FA1215.

F. Architect: ROFA Architects, Inc..

G. Architect Project Number: 28014-R.

1.2 CERTIFICATIONS AND BASE BID

A. Base Bid, Single-Prime (All Trades) Contract: The undersigned Bidder, having carefully examined the Procurement and Contracting Requirements, Conditions of the Contract, Drawings, Specifications, and all subsequent Addenda, as prepared by ROFA ARCHITECTS, INC. and Architect's consultants, having visited the site, and being familiar with all conditions and requirements of the Work, hereby agrees to furnish all material, labor, equipment and services, including all scheduled allowances, necessary to complete the construction of the above-named project, according to the requirements of the Procurement and Contracting Documents, for the stipulated sum of:

1. _____ Dollars ($_____).

1.3 PROPOSAL GUARANTEE

A. The undersigned Bidder agrees to execute a contract for this Work in the above amount and to furnish surety as specified within 10 days after a written Notice of Award, if offered within 60 days after receipt of bids, and on failure to do so agrees to forfeit to Owner the attached cash, cashier's check, certified check, U.S. money order, or bid bond, as liquidated damages for such failure, in the following amount constituting five percent (5%) of the Base Bid amount above:

1. _____ Dollars ($_____).

B. In the event Owner does not offer Notice of Award within the time limits stated above, Owner will return to the undersigned the cashier's check, certified check, U.S. money order, or bid bond.

1.4 SUBCONTRACTORS AND SUPPLIERS

A. The following companies shall execute subcontracts for the portions of the Work indicated:

1. Door Hardware Work: _____.
2. Painting Work: _____.
3. Electrical Work: _____.

1.5 TIME OF COMPLETION

A. The undersigned Bidder proposes and agrees hereby to commence the Work of the Contract Documents on a date specified in a written Notice to Proceed to be issued by Architect, and shall fully complete the Work within _____ calendar days.

1.6 ACKNOWLEDGEMENT OF ADDENDA

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

1. Addendum No. 1, dated _____.
2. Addendum No. 2, dated _____.
3. Addendum No. 3, dated _____.
4. Addendum No. 4, dated _____.

1.7 SUBMISSION OF BID

A. Respectfully submitted this _____ day of _____, 2016.

B. Submitted By:_____
(Name of bidding firm or corporation).

C. Authorized Signature:_____
(Handwritten signature).

D. Signed By:_____
(Type or print name).

E. Title:_____
(Owner/Partner/President/Vice President).

F. Witness By:_____
(Handwritten signature).

G. Attest:_____
(Handwritten signature).

H. By:_____
(Type or print name).

I. Title:_____
(Corporate Secretary or Assistant Secretary).

J. Street Address:_____

K. City, State, Zip:_____

L. Phone:_____

M. License No.:_____

N. Federal ID No.:_____
(Affix Corporate Seal Here).

END OF DOCUMENT 00 42 13

DOCUMENT 004313 - BID SECURITY FORMS

1.1 BID FORM SUPPLEMENT

A. A completed bid bond form is required to be attached to the Bid Form.

1.2 BID BOND FORM

A. AIA Document A310, "Bid Bond," is the recommended form for a bid bond. A bid bond acceptable to Owner, or other bid security as described in the Instructions to Bidders, is required to be attached to the Bid Form as a supplement.

B. Copies of AIA standard forms may be obtained from The American Institute of Architects; www.aia.org/contractdocs/purchase/index.htm; email: docspurchases@aia.org; (800) 942-7732.

C. A Cashier's Check, Certified Check or U.S. Money Order payable to Santa Rosa Independent School District.

END OF DOCUMENT 00 43 13

DOCUMENT 007343 – WAGE RATES REQUIREMENTS

1.1 PAYMENT OF PREVAILING WAGE RATES

A. Davis-Bacon Act is in effect for this project.

B. Refer to attached General Decision Number: TX150285 12/11/2015 TX285.

General Decision Number: TX150285 12/11/2015 TX285

Superseded General Decision Number: TX20140285

State: Texas

Construction Type: Building

County: Cameron County in Texas.

BUILDING CONSTRUCTION PROJECTS (does not include single family homes or apartments up to and including 4 stories).

Note: Executive Order (EO) 13658 establishes an hourly minimum wage of $10.10 for 2015 that applies to all contracts subject to the Davis-Bacon Act for which the solicitation is issued on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least $10.10 (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract. The EO minimum wage rate will be adjusted annually. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/02/2015
1	03/06/2015
2	12/11/2015

BOIL0074-003 01/01/2014

	Rates	Fringes
BOILERMAKER	$ 23.14	21.55

ENGI0178-005 06/01/2014

	Rates	Fringes
POWER EQUIPMENT OPERATOR		
(1) Tower Crane	$ 29.00	10.60
(2) Cranes with Pile Driving or Caisson Attachment and Hydraulic Crane 60 tons and above	$ 28.75	10.60
(3) Hydraulic cranes 59 Tons and under	$ 27.50	10.60

* IRON0084-011 06/01/2015

	Rates	Fringes
IRONWORKER, ORNAMENTAL	$ 23.02	6.35

PLUM0823-002 09/01/2012

	Rates	Fringes

PIPEFITTER (HVAC Pipe Installation Only).....$ 19.10 8.76

SUTX2014-011 07/21/2014

	Rates	Fringes
BRICKLAYER.....	$ 16.17	0.00
CARPENTER, Excludes Drywall Hanging, and Metal Stud Installation.....	$ 16.00	0.00
CEMENT MASON/CONCRETE FINISHER...	$ 12.46	0.00
DRYWALL FINISHER/TAPER.....	$ 10.75	2.68
DRYWALL HANGER AND METAL STUD INSTALLER.....	$ 19.42	0.37
ELECTRICIAN (Low Voltage Wiring Only).....	$ 13.50	0.68
ELECTRICIAN, Excludes Low Voltage Wiring.....	$ 14.00	0.54
INSULATOR - MECHANICAL (Duct, Pipe & Mechanical System Insulation).....	$ 14.04	4.79
IRONWORKER, REINFORCING.....	$ 12.01	0.00
IRONWORKER, STRUCTURAL.....	$ 15.04	4.34
LABORER: Common or General.....	$ 8.87	0.00
LABORER: Mason Tender - Brick...	$ 10.00	0.00
LABORER: Mason Tender - Cement/Concrete.....	$ 10.89	0.96
LABORER: Pipelayer.....	$ 11.00	3.47
LABORER: Roof Tearoff.....	$ 10.06	0.00
OPERATOR: Backhoe/Excavator/Trackhoe.....	$ 13.15	0.00
OPERATOR: Bobcat/Skid Steer/Skid Loader.....	$ 13.93	0.00
OPERATOR: Bulldozer.....	$ 18.29	1.31
OPERATOR: Drill.....	$ 16.22	0.34
OPERATOR: Forklift.....	$ 14.83	0.00
OPERATOR: Grader/Blade.....	$ 13.07	0.00
OPERATOR: Loader.....	$ 12.87	0.70

OPERATOR: Mechanic.....$ 17.00 0.00

OPERATOR: Paver (Asphalt, Aggregate, and Concrete).....$ 16.03 0.00

OPERATOR: Roller.....$ 12.70 0.00

PAINTER (Brush, Roller and Spray), Excludes Drywall Finishing/Taping.....$ 11.27 0.00

PIPEFITTER, Excludes HVAC Pipe Installation.....$ 14.67 2.50

PLUMBER, Excludes HVAC Pipe Installation.....$ 13.59 0.00

ROOFER.....$ 11.42 0.00

SHEET METAL WORKER (HVAC Duct Installation Only).....$ 18.40 2.12

SHEET METAL WORKER, Excludes HVAC Duct Installation.....$ 21.13 6.53

TILE FINISHER.....$ 11.22 0.00

TILE SETTER.....$ 12.15 0.00

TRUCK DRIVER: Dump Truck.....$ 12.39 1.18

TRUCK DRIVER: Flatbed Truck.....$ 19.65 8.57

TRUCK DRIVER: Semi-Trailer Truck.....$ 12.50 0.00

TRUCK DRIVER: Water Truck.....$ 12.00 4.11

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of "identifiers" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate

(weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than "SU" or "UAVG" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the "SU" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

* an existing published wage determination
* a survey underlying a wage determination
* a Wage and Hour Division letter setting forth a position on a wage determination matter
* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION

END OF DOCUMENT 007343

SECTION 01 29 00

PAYMENT PROCEDURES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section includes administrative and procedural requirements necessary to prepare and process Applications for Payment.

B. Related Requirements:

1. Section 01 21 00 "Allowances" for procedural requirements governing the handling and processing of allowances.
2. Section 01 22 00 "Unit Prices" for administrative requirements governing the use of unit prices.
3. Section 01 26 00 "Contract Modification Procedures" for administrative procedures for handling changes to the Contract.
4. Section 01 32 00 "Construction Progress Documentation" for administrative requirements governing the preparation and submittal of the Contractor's construction schedule.

1.3 DEFINITIONS

A. Schedule of Values: A statement furnished by Contractor allocating portions of the Contract Sum to various portions of the Work and used as the basis for reviewing Contractor's Applications for Payment.

1.4 SCHEDULE OF VALUES

A. Coordination: Coordinate preparation of the schedule of values with preparation of Contractor's construction schedule.

1. Coordinate line items in the schedule of values with other required administrative forms and schedules, including the following:

a. Application for Payment forms with continuation sheets.
b. Submittal schedule.

c. Items required to be indicated as separate activities in Contractor's construction schedule.

2. Submit the schedule of values to Architect at earliest possible date, but no later than ten days before the date scheduled for submittal of initial Applications for Payment.
3. Subschedules for Phased Work: Where the Work is separated into phases requiring separately phased payments, provide subschedules showing values coordinated with each phase of payment.
4. Subschedules for Separate Elements of Work: Where the Contractor's construction schedule defines separate elements of the Work, provide subschedules showing values coordinated with each element.

B. Format and Content: Use Project Manual table of contents as a guide to establish line items for the schedule of values. Provide at least one line item for each Specification Section.

1. Identification: Include the following Project identification on the schedule of values:

a. Project name and location.
b. Name of Architect.
c. Architect's project number.
d. Contractor's name and address.
e. Date of submittal.

2. Arrange schedule of values consistent with format of AIA Document G703-1992 Continuation Sheet.
3. Arrange the schedule of values in tabular form with separate columns to indicate the following for each item listed:

a. Related Specification Section or Division.
b. Description of the Work.
c. Name of subcontractor.
d. Name of manufacturer or fabricator.
e. Name of supplier.
f. Change Orders (numbers) that affect value.
g. Dollar value of the following, as a percentage of the Contract Sum to nearest one-hundredth percent, adjusted to total 100 percent.

1) Labor.
2) Materials.
3) Equipment.

4. Provide a breakdown of the Contract Sum in enough detail to facilitate continued evaluation of Applications for Payment and progress reports. Coordinate with Project Manual table of contents. Provide multiple line items for principal subcontract amounts in excess of five percent of the Contract Sum.

a. Include separate line items under Contractor and principal subcontracts for Project closeout requirements in an amount totaling five percent of the Contract Sum and subcontract amount.

5. Round amounts to nearest whole dollar; total shall equal the Contract Sum.
6. Provide a separate line item in the schedule of values for each part of the Work where Applications for Payment may include materials or equipment purchased or fabricated and stored, but not yet installed.

    a. Differentiate between items stored on-site and items stored off-site. If required, include evidence of insurance.

7. Provide separate line items in the schedule of values for initial cost of materials, for each subsequent stage of completion, and for total installed value of that part of the Work.
8. Allowances: Provide a separate line item in the schedule of values for each allowance. Show line-item value of unit-cost allowances, as a product of the unit cost, multiplied by measured quantity. Use information indicated in the Contract Documents to determine quantities.
9. Purchase Contracts: Provide a separate line item in the schedule of values for each purchase contract. Show line-item value of purchase contract. Indicate owner payments or deposits, if any, and balance to be paid by Contractor.
10. Each item in the schedule of values and Applications for Payment shall be complete. Include total cost and proportionate share of general overhead and profit for each item.

    a. Temporary facilities and other major cost items that are not direct cost of actual work-in-place may be shown either as separate line items in the schedule of values or distributed as general overhead expense, at Contractor's option.

    b. General Conditions, along with the Contractors overhead and profit, shall be prorated over the construction period of the contract; paid as a percentage of time of contract/construction time or duration and evaluated as percentage of work complete.

11. Schedule Updating: Update and resubmit the schedule of values before the next Applications for Payment when Change Orders or Construction Change Directives result in a change in the Contract Sum.

1.5 APPLICATIONS FOR PAYMENT

A. Each Application for Payment following the initial Application for Payment shall be consistent with previous applications and payments as certified by Architect and paid for by Owner.

    1. Initial Application for Payment, Application for Payment at time of Substantial Completion, and final Application for Payment involve additional requirements.

B. Payment Application Times: The date for each progress payment is indicated in the Agreement between Owner and Contractor. The period of construction work covered by each Application for Payment is the period indicated in the Agreement.

    1. Submit draft copy of Application for Payment ten days prior to due date for review by Architect.

C. Application for Payment Forms: Use AIA Document G702 and AIA Document G703 as form for Applications for Payment.

D. Application Preparation: Complete every entry on form. Notarize and execute by a person authorized to sign legal documents on behalf of Contractor. Architect will return incomplete applications without action.

1. Entries shall match data on the schedule of values and Contractor's construction schedule. Use updated schedules if revisions were made.
2. Include amounts for work completed following previous Application for Payment, whether or not payment has been received. Include only amounts for work completed at time of Application for Payment.
3. Include amounts of Change Orders and Construction Change Directives issued before last day of construction period covered by application.
4. Indicate separate amounts for work being carried out under Owner-requested project acceleration.

E. Stored Materials: Include in Application for Payment amounts applied for materials or equipment purchased or fabricated and stored, but not yet installed. Differentiate between items stored on-site and items stored off-site.

1. Provide certificate of insurance, evidence of transfer of title to Owner, and consent of surety to payment, for stored materials.
2. Provide supporting documentation that verifies amount requested, such as paid invoices. Match amount requested with amounts indicated on documentation; do not include overhead and profit on stored materials.
3. Provide summary documentation for stored materials indicating the following:

    a. Value of materials previously stored and remaining stored as of date of previous Applications for Payment.
    b. Value of previously stored materials put in place after date of previous Application for Payment and on or before date of current Application for Payment.
    c. Value of materials stored since date of previous Application for Payment and remaining stored as of date of current Application for Payment.

F. Transmittal: Submit three signed and notarized original copies of each Application for Payment to Architect by a method ensuring receipt within 24 hours. One copy shall include waivers of lien and similar attachments if required.

1. Transmit each copy with a transmittal form listing attachments and recording appropriate information about application.

2. Written notarized statement from the Surety confirming that the Surety has reviewed the application for payment and approves, without reservation, of its payment by the Owner.

G. Waivers of Mechanic's Lien: With each Application for Payment, submit waivers of mechanic's liens from subcontractors, sub-subcontractors, and suppliers for construction period covered by the previous application.

1. Submit partial waivers on each item for amount requested in previous application, after deduction for retainage, on each item.
2. When an application shows completion of an item, submit conditional final or full waivers.
3. Owner reserves the right to designate which entities involved in the Work must submit waivers.
4. Submit final Application for Payment with or preceded by conditional final waivers from every entity involved with performance of the Work covered by the application who is lawfully entitled to a lien.
5. Waiver Forms: Submit executed waivers of lien on forms, acceptable to Owner.

H. Initial Application for Payment: Administrative actions and submittals that must precede or coincide with submittal of first Application for Payment include the following:

1. List of subcontractors.
2. Schedule of values.
3. Sustainable design submittal for project materials cost data.
4. Contractor's construction schedule (preliminary if not final).
5. Combined Contractor's construction schedule (preliminary if not final) incorporating Work of multiple contracts, with indication of acceptance of schedule by each Contractor.
6. Products list (preliminary if not final).
7. Sustainable design action plans.
8. Schedule of unit prices.
9. Submittal schedule (preliminary if not final).
10. List of Contractor's staff assignments.
11. List of Contractor's principal consultants.
12. Copies of building permits.
13. Copies of authorizations and licenses from authorities having jurisdiction for performance of the Work.
14. Initial progress report.
15. Report of preconstruction conference.
16. Certificates of insurance and insurance policies.
17. Performance and payment bonds.
18. Data needed to acquire Owner's insurance.

I. Application for Payment at Substantial Completion: After Architect issues the Certificate of Substantial Completion, submit an Application for Payment showing 100 percent completion for portion of the Work claimed as substantially complete.

1. Include documentation supporting claim that the Work is substantially complete and a statement showing an accounting of changes to the Contract Sum.
2. This application shall reflect Certificate(s) of Substantial Completion issued previously for Owner occupancy of designated portions of the Work.

J. Final Payment Application: After completing Project closeout requirements, submit final Application for Payment with releases and supporting documentation not previously submitted and accepted, including, but not limited, to the following:

1. Evidence of completion of Project closeout requirements.
2. Insurance certificates for products and completed operations where required and proof that taxes, fees, and similar obligations were paid.
3. Updated final statement, accounting for final changes to the Contract Sum.
4. AIA Document G706, "Contractor's Affidavit of Payment of Debts and Claims."
5. AIA Document G706A, "Contractor's Affidavit of Release of Liens."
6. AIA Document G707, "Consent of Surety to Final Payment."
7. Evidence that claims have been settled.
8. Final meter readings for utilities, a measured record of stored fuel, and similar data as of date of Substantial Completion or when Owner took possession of and assumed responsibility for corresponding elements of the Work.
9. Final liquidated damages settlement.

END OF SECTION 01 29 00

SECTION 01 77 00 - CLOSEOUT PROCEDURES

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section includes administrative and procedural requirements for contract closeout, including, but not limited to, the following:

1. Substantial Completion procedures.
2. Final completion procedures.
3. Warranties.
4. Final cleaning.
5. Repair of the Work.

B. Related Requirements:

1. Section 01 32 33 "Photographic Documentation" for submitting final completion construction photographic documentation.
2. Section 01 73 00 "Execution" for progress cleaning of Project site.
3. Section 01 78 23 "Operation and Maintenance Data" for operation and maintenance manual requirements.
4. Section 01 78 39 "Project Record Documents" for submitting record Drawings, record Specifications, and record Product Data.
5. Section 01 79 00 "Demonstration and Training" for requirements for instructing Owner's personnel.

1.3 ACTION SUBMITTALS

A. Product Data: For cleaning agents.

B. Contractor's List of Incomplete Items: Initial submittal at Substantial Completion.

C. Certified List of Incomplete Items: Final submittal at Final Completion.

1.4 CLOSEOUT SUBMITTALS

A. Certificates of Release: From authorities having jurisdiction.

B. Certificate of Insurance: For continuing coverage.

C. Field Report: For pest control inspection.

1.5 MAINTENANCE MATERIAL SUBMITTALS

A. Schedule of Maintenance Material Items: For maintenance material submittal items specified in other Sections.

1.6 SUBSTANTIAL COMPLETION PROCEDURES

A. Contractor's List of Incomplete Items: Prepare and submit a list of items to be completed and corrected (Contractor's punch list), indicating the value of each item on the list and reasons why the Work is incomplete.

B. Submittals Prior to Substantial Completion: Complete the following a minimum of 10 days prior to requesting inspection for determining date of Substantial Completion. List items below that are incomplete at time of request.

1. Certificates of Release: Obtain and submit releases from authorities having jurisdiction permitting Owner unrestricted use of the Work and access to services and utilities. Include occupancy permits, operating certificates, and similar releases.
2. Submit closeout submittals specified in other Division 01 Sections, including project record documents, operation and maintenance manuals, final completion construction photographic documentation, damage or settlement surveys, property surveys, and similar final record information.
3. Submit closeout submittals specified in individual Sections, including specific warranties, workmanship bonds, maintenance service agreements, final certifications, and similar documents.
4. Submit maintenance material submittals specified in individual Sections, including tools, spare parts, extra materials, and similar items, and deliver to location designated by Architect. Label with manufacturer's name and model number where applicable.

    a. Schedule of Maintenance Material Items: Prepare and submit schedule of maintenance material submittal items, including name and quantity of each item and name and number of related Specification Section. Obtain Architect's signature for receipt of submittals.

5. Submit test/adjust/balance records.
6. Submit sustainable design submittals not previously submitted.
7. Submit changeover information related to Owner's occupancy, use, operation, and maintenance.

C. Procedures Prior to Substantial Completion: Complete the following a minimum of 10 days prior to requesting inspection for determining date of Substantial Completion. List items below that are incomplete at time of request.

1. Advise Owner of pending insurance changeover requirements.
2. Make final changeover of permanent locks and deliver keys to Owner. Advise Owner's personnel of changeover in security provisions.
3. Complete startup and testing of systems and equipment.
4. Perform preventive maintenance on equipment used prior to Substantial Completion.
5. Instruct Owner's personnel in operation, adjustment, and maintenance of products, equipment, and systems. Submit demonstration and training video recordings specified in Section 01 79 00 "Demonstration and Training."
6. Advise Owner of changeover in heat and other utilities.
7. Participate with Owner in conducting inspection and walkthrough with local emergency responders.
8. Terminate and remove temporary facilities from Project site, along with mockups, construction tools, and similar elements.
9. Complete final cleaning requirements, including touchup painting.
10. Touch up and otherwise repair and restore marred exposed finishes to eliminate visual defects.

D. Inspection: Submit a written request for inspection to determine Substantial Completion a minimum of 10 days prior to date the work will be completed and ready for final inspection and tests. On receipt of request, Architect will either proceed with inspection or notify Contractor of unfulfilled requirements. Architect will prepare the Certificate of Substantial Completion after inspection or will notify Contractor of items, either on Contractor's list or additional items identified by Architect, that must be completed or corrected before certificate will be issued.

1. Reinspection: Request reinspection when the Work identified in previous inspections as incomplete is completed or corrected.
2. Results of completed inspection will form the basis of requirements for final completion.

1.7 FINAL COMPLETION PROCEDURES

A. Submittals Prior to Final Completion: Before requesting final inspection for determining final completion, complete the following:

1. Submit a final Application for Payment according to Section 01 29 00 "Payment Procedures."
2. Certified List of Incomplete Items: Submit certified copy of Architect's Substantial Completion inspection list of items to be completed or corrected (punch list), endorsed and dated by Architect. Certified copy of the list shall state that each item has been completed or otherwise resolved for acceptance.
3. Certificate of Insurance: Submit evidence of final, continuing insurance coverage complying with insurance requirements.
4. Submit pest-control final inspection report.

B. Inspection: Submit a written request for final inspection to determine acceptance a minimum of 10 days prior to date the work will be completed and ready for final inspection and tests. On receipt of request, Architect will either proceed with inspection or notify Contractor of unfulfilled requirements. Architect will prepare a final Certificate for Payment after inspection

or will notify Contractor of construction that must be completed or corrected before certificate will be issued.

1. Reinspection: Request reinspection when the Work identified in previous inspections as incomplete is completed or corrected.

1.8 LIST OF INCOMPLETE ITEMS (PUNCH LIST)

A. Organization of List: Include name and identification of each space and area affected by construction operations for incomplete items and items needing correction including, if necessary, areas disturbed by Contractor that are outside the limits of construction. Use CSI Form 14.1A.

1. Organize list of spaces in sequential order, starting with exterior areas first and proceeding from lowest floor to highest floor.
2. Organize items applying to each space by major element, including categories for ceiling, individual walls, floors, equipment, and building systems.
3. Include the following information at the top of each page:

    a. Project name.
    b. Date.
    c. Name of Architect.
    d. Name of Contractor.
    e. Page number.

4. Submit list of incomplete items in the following format:

    a. MS Excel electronic file. Architect will return annotated file.
    b. PDF electronic file. Architect will return annotated file.

1.9 SUBMITTAL OF PROJECT WARRANTIES

A. Time of Submittal: Submit written warranties on request of Architect for designated portions of the Work where commencement of warranties other than date of Substantial Completion is indicated, or when delay in submittal of warranties might limit Owner's rights under warranty.

B. Partial Occupancy: Submit properly executed warranties within 15 days of completion of designated portions of the Work that are completed and occupied or used by Owner during construction period by separate agreement with Contractor.

C. Organize warranty documents into an orderly sequence based on the table of contents of Project Manual.

1. Bind warranties and bonds in heavy-duty, three-ring, vinyl-covered, loose-leaf binders, thickness as necessary to accommodate contents, and sized to receive 8-1/2-by-11-inch paper.

2. Provide heavy paper dividers with plastic-covered tabs for each separate warranty. Mark tab to identify the product or installation. Provide a typed description of the product or installation, including the name of the product and the name, address, and telephone number of Installer.
3. Identify each binder on the front and spine with the typed or printed title "WARRANTIES," Project name, and name of Contractor.
4. Warranty Electronic File: Scan warranties and bonds and assemble complete warranty and bond submittal package into a single indexed electronic PDF file with links enabling navigation to each item. Provide bookmarked table of contents at beginning of document.

D. Provide additional copies of each warranty to include in operation and maintenance manuals.

PART 2 - PRODUCTS

2.1 MATERIALS

A. Cleaning Agents: Use cleaning materials and agents recommended by manufacturer or fabricator of the surface to be cleaned. Do not use cleaning agents that are potentially hazardous to health or property or that might damage finished surfaces.

1. Use cleaning products that comply with Green Seal's GS-37, or if GS-37 is not applicable, use products that comply with the California Code of Regulations maximum allowable VOC levels.

PART 3 - EXECUTION

3.1 FINAL CLEANING

A. General: Perform final cleaning. Conduct cleaning and waste-removal operations to comply with local laws and ordinances and Federal and local environmental and antipollution regulations.

B. Cleaning: Employ experienced workers or professional cleaners for final cleaning. Clean each surface or unit to condition expected in an average commercial building cleaning and maintenance program. Comply with manufacturer's written instructions.

1. Complete the following cleaning operations before requesting inspection for certification of Substantial Completion for entire Project or for a designated portion of Project:

a. Clean Project site, yard, and grounds, in areas disturbed by construction activities, including landscape development areas, of rubbish, waste material, litter, and other foreign substances.

b. Sweep paved areas broom clean. Remove petrochemical spills, stains, and other foreign deposits.
c. Rake grounds that are neither planted nor paved to a smooth, even-textured surface.
d. Remove tools, construction equipment, machinery, and surplus material from Project site.
e. Remove snow and ice to provide safe access to building.
f. Clean exposed exterior and interior hard-surfaced finishes to a dirt-free condition, free of stains, films, and similar foreign substances. Avoid disturbing natural weathering of exterior surfaces. Restore reflective surfaces to their original condition.
g. Remove debris and surface dust from limited access spaces, including roofs, plenums, shafts, trenches, equipment vaults, manholes, attics, and similar spaces.
h. Sweep concrete floors broom clean in unoccupied spaces.
i. Vacuum carpet and similar soft surfaces, removing debris and excess nap; clean according to manufacturer's recommendations if visible soil or stains remain.
j. Clean transparent materials, including mirrors and glass in doors and windows. Remove glazing compounds and other noticeable, vision-obscuring materials. Polish mirrors and glass, taking care not to scratch surfaces.
k. Remove labels that are not permanent.
l. Wipe surfaces of mechanical and electrical equipment and similar equipment. Remove excess lubrication, paint and mortar droppings, and other foreign substances.
m. Clean plumbing fixtures to a sanitary condition, free of stains, including stains resulting from water exposure.
n. Replace disposable air filters and clean permanent air filters. Clean exposed surfaces of diffusers, registers, and grills.
o. Clean ducts, blowers, and coils if units were operated without filters during construction or that display contamination with particulate matter on inspection.

    1) Clean HVAC system in compliance with NADCA Standard 1992-01. Provide written report on completion of cleaning.

p. Clean light fixtures, lamps, globes, and reflectors to function with full efficiency.
q. Leave Project clean and ready for occupancy.

C. Pest Control: Comply with pest control requirements in Section 01 50 00 "Temporary Facilities and Controls." Prepare written report.

3.2 REPAIR OF THE WORK

A. Complete repair and restoration operations before requesting inspection for determination of Substantial Completion.

B. Repair or remove and replace defective construction. Repairing includes replacing defective parts, refinishing damaged surfaces, touching up with matching materials, and properly adjusting operating equipment. Where damaged or worn items cannot be repaired or restored, provide replacements. Remove and replace operating components that cannot be

repaired. Restore damaged construction and permanent facilities used during construction to specified condition.

1. Remove and replace chipped, scratched, and broken glass, reflective surfaces, and other damaged transparent materials.
2. Touch up and otherwise repair and restore marred or exposed finishes and surfaces. Replace finishes and surfaces that that already show evidence of repair or restoration.

    a. Do not paint over "UL" and other required labels and identification, including mechanical and electrical nameplates. Remove paint applied to required labels and identification.

3. Replace parts subject to operating conditions during construction that may impede operation or reduce longevity.
4. Replace burned-out bulbs, bulbs noticeably dimmed by hours of use, and defective and noisy starters in fluorescent and mercury vapor fixtures to comply with requirements for new fixtures.

END OF SECTION 01 77 00

SECTION 08 14 16 – FLUSH WOOD DOORS

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section Includes:

1. Solid-core doors with wood-veneer faces.

B. Related Requirements:

1. Section 08 80 00 "Glazing" for glass view panels in flush wood doors.

1.3 PREINSTALLATION MEETINGS

A. Preinstallation Conference: Conduct conference at Project site.

1.4 ACTION SUBMITTALS

A. Product Data: For each type of door. Include details of core and edge construction and trim for openings. Include factory-finishing specifications.

B. Shop Drawings: Indicate location, size, and hand of each door; elevation of each kind of door; construction details not covered in Product Data; and the following:

1. Dimensions and locations of blocking.
2. Dimensions and locations of mortises and holes for hardware.
3. Dimensions and locations of cutouts.
4. Undercuts.
5. Requirements for veneer matching.
6. Doors to be factory finished and finish requirements.
7. Fire-protection ratings for fire-rated doors.

C. Samples for Initial Selection: For factory-finished doors.

D. Samples for Verification:

1. Factory finishes applied to actual door face materials, approximately 8 by 10 inches (200 by 250 mm), for each material and finish**.** For each wood species and transparent finish, provide set of three Samples showing typical range of color and grain to be expected in finished Work.

2. Corner sections of doors, approximately 8 by 10 inches (200 by 250 mm), with door faces and edges representing actual materials to be used.

    a. Provide Samples for each species of veneer and solid lumber required.
    b. Provide Samples for each color, texture, and pattern of plastic laminate required.
    c. Finish veneer-faced door Samples with same materials proposed for factory-finished doors.

3. Frames for light openings, 6 inches (150 mm) long, for each material, type, and finish required.

1.5 INFORMATIONAL SUBMITTALS

A. Sample Warranty: For special warranty.

B. Quality Standard Compliance Certificates: AWI Quality Certification Program certificates.

1.6 QUALITY ASSURANCE

A. Manufacturer Qualifications:

1. A qualified manufacturer that is certified for chain of custody by an FSC-accredited certification body when FSC Certified wood is specified.
2. A qualified manufacturer that is a member in good standing of the Window and Door Manufacturers Association.

B. Vendor Qualifications: A vendor that is certified for chain of custody by an FSC-accredited certification body when FSC Certified wood is specified

C. Product Performance: Provide documents showing compliance to the following WDMA attributes, validating the specified WDMA Performance Duty Level:

1. Adhesive Bonding Durability: WDMA TM-6
2. Cycle Slam: WDMA TM-7
3. Hinge Loading: WDMA TM-8
4. Screw Holding: WDMA TM-10

    a. Door Face
    b. Vertical Door Edge
    c. Horizontal Door Edge (applies when hardware is attached)

1.7 DELIVERY, STORAGE, AND HANDLING

A. Comply with requirements of referenced standard and manufacturer's written instructions.

B. Package doors individually in plastic bags or cardboard cartons.

C. Mark each door on top and bottom rail with opening number used on Shop Drawings. Include manufacturer's order number and date of manufacture.

D. Store and protect doors in accordance with manufacturer's recommendations including but not limited to the following:

1. Compliance with WDMA Standards.
2. Store doors flat and off the floor on level surface in a dry, well-ventilated building. Do not store on edge. Protect/cover doors from dirt, water and abuse.
3. Certain wood species are light sensitive. Protect doors from exposure to light (artificial or natural) after delivery.
4. When handling doors, always lift and carry. Do not drag across other doors or surfaces. Handle with clean hands or gloves.

1.8 FIELD CONDITIONS

A. Environmental Limitations: Do not deliver or install doors until spaces are enclosed and weathertight, wet work in spaces is complete and dry, and HVAC system is operating and maintaining ambient temperature and humidity conditions at occupancy levels during remainder of construction period.

B. Environmental Limitations: Do not deliver or install doors until spaces are enclosed and weathertight, wet work in spaces is complete and dry, and HVAC system is operating and maintaining temperature between 60 and 90 deg F and relative humidity between 25 and 55 percent during remainder of construction period.

1.9 WARRANTY

A. A. Special Warranty: Manufacturer agrees to repair or replace doors that fail in materials or workmanship within specified warranty period.

1. Failures include, but are not limited to, the following:

a. Warping (bow, cup, or twist) more than 1/4 inch in a 42-by-84-inch section.
b. Telegraphing of core construction in face veneers exceeding 0.01 inch in a 3-inch span.

2. Warranty shall also include installation and finishing that may be required due to repair or replacement of defective doors.
3. Warranty Period for Solid-Core Interior Doors: Life of installation.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to the following:

1. Graham Wood Doors; ASSA ABLOY Group company.
2. Marshfield DoorSystems, Inc.
3. Mohawk Flush Doors, Inc.
4. VT Industries Inc.

B. Source Limitations: Obtain flush wood doors indicated to be blueprint matched with paneling and wood paneling from single manufacturer.

2.2 FLUSH WOOD DOORS, GENERAL

A. Quality Standard: In addition to requirements specified, comply with WDMA I.S.1-A, "Architectural Wood Flush Doors."

1. Provide WI Certified Compliance Labels indicating that doors comply with requirements of grades specified.
2. Contract Documents contain selections chosen from options in quality standard and additional requirements beyond those of quality standard. Comply with those selections and requirements in addition to quality standard.

B. Regional Materials: Where available based on inclusive list of approved manufacturers, flush wood doors shall be manufactured within 500 miles of Project site from materials that have been extracted, harvested, or recovered, as well as manufactured, within 500 miles of Project site.

C. Certified Wood: Flush wood doors shall be certified according to FSC STD-01-001, "FSC Principles and Criteria for Forest Stewardship," and to FSC STD-40-004, "FSC Standard for Chain of Custody Certification." FSC claims are to be based on "new" wood contribution only. All recycled, reclaimed, and recovered material, even if it is FSC Recycled, must be applied towards the MR 4 credit.

D. Low-Emitting Materials: Fabricate doors with adhesives and composite wood products that do not contain added urea formaldehyde.

E. Low-Emitting Materials: Fabricate doors that comply with the testing and product requirements of the California Department of Health Services' "Standard Practice for the Testing of Volatile Organic Emissions from Various Sources Using Small-Scale Environmental Chambers." All composite wood and agrifiber products must meet this requirement. Prefer products that are third party certified through SCS Indoor Advantage Gold.

F. WDMA I.S.1-A Performance Grade: Extra Heavy Duty.

G. Fire-Rated Wood Doors: Doors complying with NFPA 80 that are listed and labeled by a qualified testing agency, for fire-protection ratings indicated, based on testing at positive pressure according to NFPA 252 or UL 10C.

1. Oversize Fire-Rated Door Assemblies: For units exceeding sizes of tested assemblies, provide certification by a qualified testing agency that doors comply with standard construction requirements for tested and labeled fire-rated door assemblies except for size.
2. Temperature-Rise Limit: Where indicated, provide doors that have a maximum transmitted temperature end point of not more than 450 deg F (250 deg C) above ambient after 30 minutes of standard fire-test exposure.
3. Cores: Provide core specified or mineral core as needed to provide fire-protection rating indicated.
4. Edge Construction: Provide edge construction with intumescent seals concealed by outer stile. Comply with specified requirements for exposed edges.
5. Pairs: Provide fire-retardant stiles that are listed and labeled for applications indicated without formed-steel edges and astragals. Provide stiles with concealed intumescent seals. Comply with specified requirements for exposed edges.
6. Pairs: Provide formed-steel edges and astragals with intumescent seals.

    a. Finish steel edges and astragals with baked enamel.
    b. Finish steel edges and astragals to match door hardware (locksets or exit devices).

H. Smoke- and Draft-Control Door Assemblies: Listed and labeled for smoke and draft control, based on testing according to UL 1784.

I. Particleboard-Core Doors:

1. Particleboard: ANSI A208.1, Grade LD-2.
2. Blocking: Provide wood blocking in particleboard-core doors as needed to eliminate through-bolting hardware, or as follows:

    a. 5-inch top-rail blocking, in doors indicated to have closers.
    b. 5-inch bottom-rail blocking, in exterior doors and doors indicated to have kick, mop, or armor plates.
    c. 5-inch mid-rail blocking, in doors indicated to have exit devices.

3. Provide doors with glued-wood-stave or structural-composite-lumber cores instead of particleboard cores for doors indicated to receive exit devices.

J. Structural-Composite-Lumber-Core Doors:

1. Structural Composite Lumber: WDMA I.S.10.

    a. Screw Withdrawal, Face: 700 lbf.
    b. Screw Withdrawal, Edge: 400 lbf.

K. Mineral-Core Doors:

1. Core: Noncombustible mineral product complying with requirements of referenced quality standard and testing and inspecting agency for fire-protection rating indicated.
2. Blocking: Provide composite blocking with improved screw-holding capability approved for use in doors of fire-protection ratings indicated as needed to eliminate through-bolting hardware, or as follows:

    a. 5-inch top-rail blocking.
    b. 5-inch bottom-rail blocking, in doors indicated to have protection plates.
    c. 5-inch mid-rail blocking, in doors indicated to have armor plates.
    d. 5-inch mid-rail blocking, in doors indicated to have exit devices.

3. Edge Construction: At hinge stiles, provide laminated-edge construction with improved screw-holding capability and split resistance. Comply with specified requirements for exposed edges.

    a. Screw-Holding Capability: 550 lbf per WDMA T.M.-10.

2.3 VENEER-FACED DOORS FOR TRANSPARENT FINISH

A. Interior Solid-Core Doors:

1. Grade: Premium, with Grade A faces.
2. Species: Select white birch.
3. Cut: Rotary cut.
4. Match between Veneer Leaves: Book match.
5. Assembly of Veneer Leaves on Door Faces: Center-balance match.
6. Pair and Set Match: Provide for doors hung in same opening or separated only by mullions.
7. Room Match: Match door faces within each separate room or area of building. Corridor-door faces do not need to match where they are separated by 10 feet or more.
8. Room Match: Provide door faces of compatible color and grain within each separate room or area of building.
9. Exposed Vertical Edges: Same species as faces - edge Type A.
10. Core: Particleboard.
11. Construction: Five or seven plies. Stiles and rails are bonded to core, then entire unit is abrasive planed before veneering. Faces are bonded to core using a hot press.
12. Construction: Seven plies, either bonded or non-bonded construction.
13. WDMA I.S.1-A Performance Grade: Extra Heavy Duty.

2.4 LIGHT FRAMES AND LOUVERS

A. Metal Frames for Light Openings in Fire-Rated Doors: Manufacturer's standard frame formed of 0.048-inch-thick, cold-rolled steel sheet; factory primed for paint finish; and approved for use in doors of fire-protection rating indicated.

2.5 FABRICATION

A. Factory fit doors to suit frame-opening sizes indicated. Comply with clearance requirements of referenced quality standard for fitting unless otherwise indicated.

1. Comply with NFPA 80 requirements for fire-rated doors.

B. Factory machine doors for hardware that is not surface applied. Locate hardware to comply with DHI-WDHS-3. Comply with final hardware schedules, door frame Shop Drawings, BHMA-156.115-W, and hardware templates.

1. Coordinate with hardware mortises in metal frames to verify dimensions and alignment before factory machining.
2. Metal Astragals: Factory machine astragals and formed-steel edges for hardware for pairs of fire-rated doors.

C. Transom and Side Panels: Fabricate matching panels with same construction, exposed surfaces, and finish as specified for associated doors. Finish bottom edges of transoms and top edges of rabbeted doors same as door stiles.

1. Fabricate door and transom panels with full-width, solid-lumber, rabbeted, meeting rails. Provide factory-installed spring bolts for concealed attachment into jambs of metal door frames.

D. Openings: Factory cut and trim openings through doors.

1. Light Openings: Trim openings with moldings of material and profile indicated.
2. Glazing: Factory install glazing in doors indicated to be factory finished. Comply with applicable requirements in Section 08 80 00 "Glazing."
3. Louvers: Factory install louvers in prepared openings.

2.6 FACTORY FINISHING

A. General: Comply with referenced quality standard for factory finishing. Complete fabrication, including fitting doors for openings and machining for hardware that is not surface applied, before finishing.

1. Finish faces, all four edges, edges of cutouts, and mortises. Stains and fillers may be omitted on top and bottom edges, edges of cutouts, and mortises.

B. Factory finish doors.

C. Factory finish doors that are indicated to receive transparent finish.

D. Factory finish doors where indicated in schedules or on Drawings as factory finished.

E. Transparent Finish:

1. Grade: Premium.

2. Finish: AWI's, AWMAC's, and WI's "Architectural Woodwork Standards" System 9, UV curable, acrylated polyurethane.
3. Staining: Match existing wood doors, or as selected by Architect from manufacturer's full range.
4. Effect: Filled finish.
5. Sheen: Semigloss.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine doors and installed door frames, with Installer present, before hanging doors.

1. Verify that installed frames comply with indicated requirements for type, size, location, and swing characteristics and have been installed with level heads and plumb jambs.
2. Reject doors with any damage, manufacturing defects or pre-finish inconsistency prior to installation, including but not limited to wrong color or poor finish.

B. Do not proceed with installation until openings and substrates have been prepared using the methods recommended by manufacturer and deviations from manufacturer's recommended tolerances are corrected. Commencement of installation constitutes acceptance of conditions.

C. If preparation is the responsibility of another installer, notify Architect in writing of deviations from manufacturer’s recommended installation tolerances and conditions.

3.2 INSTALLATION

A. Hardware: For installation, see Section 08 71 00 "Door Hardware."

B. Installation Instructions: Install doors to comply with manufacturer's written instructions and referenced quality standard, and as indicated.

1. Install fire-rated doors according to NFPA 80.
2. Install smoke- and draft-control doors according to NFPA 105.

C. Job-Fitted Doors: Align and fit doors in frames with uniform clearances and bevels as indicated below; do not trim stiles and rails in excess of limits set by manufacturer or permitted for fire-rated doors. Machine doors for hardware. Seal edges of doors, edges of cutouts, and mortises after fitting and machining.

1. Clearances: Provide 1/8 inch at heads, jambs, and between pairs of doors. Provide 1/8 inch from bottom of door to top of decorative floor finish or covering unless otherwise indicated. Where threshold is shown or scheduled, provide1/4 inch from bottom of door to top of threshold unless otherwise indicated.

a. Comply with NFPA 80 for fire-rated doors.

b. Bevel non-fire-rated doors 1/8 inch in 2 inches at lock and hinge edges.

2. Bevel fire-rated doors 1/8 inch in 2 inches at lock edge; trim stiles and rails only to extent permitted by labeling agency.
3. Trim bottom rail only to extent permitted by labeling agency.

D. Factory-Fitted Doors: Align in frames for uniform clearance at each edge.

E. Factory-Finished Doors: Restore finish before installation if fitting or machining is required at Project site. Do not trim factory finished doors for width.

3.3 ADJUSTING

A. Operation: Correct any deficiency that prohibits the door from swinging or operating freely. Do not remove hinge screws after initial insertion. Shims used for alignment purposes shall be inserted between hinge and frame. Do not insert shims between hinge and door.

B. To prevent stile failure, insure that door closers are properly adjusted and do not limit the door opening swing. Limit door opening swing only with a properly located stop.

C. Finished Doors: Replace doors that are damaged or that do not comply with requirements. Doors may be repaired or refinished if Work complies with requirements and shows no evidence of repair or refinishing.

END OF SECTION 08 14 16

SECTION 08 71 00 - DOOR HARDWARE

PART 1 - GENERAL

1.01 DESCRIPTION OF WORK

A. Work under this section comprises of furnishing and installing hardware specified herein and noted on drawings for a complete and operational system, including any electrified hardware components, systems, controls and hardware for aluminum entrance doors. Any door shown on the drawing and not specifically referenced in the hardware sets shall be provided with identical hardware as specified on other similar openings and shall be included in the General Contractor and finish hardware suppliers bid. All fire rated door shall be provided with fire rated hardware as required by local code Authority as part of the General Contractors and hardware supplier's base bid. The General Contractor and hardware supplier shall verify all cylinder types specified for locking devices supplied as part of the door system with the door manufacturer and/or door supplies.

B. The General Contractor and the Hardware Supplier shall notify the Architect in writing of any discrepancies (five (5) days prior to bid date) that could and/or would result in hardware being supplied that is none functional, hardware specified and/or hardware that has not been specified that will result in any code violations and any door that is not covered in this specification. Failure of the General Contractor and hardware supplier to address any such issue shall be considered acceptance of the hardware specified and all discrepancies shall be corrected at the General Contractor and hardware supplier's expense and considered a part of their base bid. Change orders shall not be issued if deemed by the Architect and/or Santa Rosa ISD to fall under and/or be covered as a part of the General Contractors or hardware supplier's base bid, due to failure to comply with this instruction notification.

C. Items include but are not limited to the following:

1. Hinges - Pivots
2. Flush Bolts
3. Exit Devices
4. Locksets and Cylinders
5. Push Plates - Pulls
6. Coordinators
7. Closers
8. Kick, Mop and Protection Plates
9. Stops, Wall Bumpers, Overhead Controls
10. Electrified Hold Open Devices
11. Thresholds, Seals and Door Bottoms
12. Silencers

13. Miscellaneous Trim and Accessories

1.02 RELATED DOCUMENTS, drawings and general provisions of contract, including General and Supplementary Conditions, and Division 1 Specification sections, apply to this section.

1.03 RELATED WORK specified elsewhere that should be examined for its effect upon this specification section:

A. Section 06 20 00 - Finish Carpentry
B. Section 08 11 13 – Steel Doors and Frames
C. Section 08 14 16 – Flush Wood Doors
D. Sections within 08 31 13 – Access Doors
E. Section within 08 41 13 – Aluminum Entrances, Storefront and Window Framing
F. Sections within 08 80 00 – Glass and Glazing
G. Sections within 09 91 00 - Painting
H. Division 26 - Electrical

1.04 REFERENCES SPECIFIED in this section subject to compliance as directed:

A. NFPA-80-1995 - Standard for Fire Doors and Windows
B. NFPA-101-1994 - Life Safety Code
C. ADA - The Americans with Disabilities Act - Title III - Public Accommodations
D. ANSI-A 117.1 - American National Standards Institute - Accessible and Usable Buildings and Facilities
E. ANSI-A 156.5 - American National Standards institute -Auxiliary Locks and Associated Products
F. UFAS - Uniform Federal Accessibility Standards
G. UL - Underwriter’s Laboratories
H. WHI - Warnock Hersey International, Testing Services
I. State and Local Codes including Authority Having Jurisdiction
J. U.B.C.7-2-97 and UL10C
K. IBC2006 – International Building Code as applicable
L. NFPA-70 – National Fire Code

1.05 SUBMITTALS

A. HARDWARE SCHEDULES submit copies of schedule in accordance with Division 1, General Requirements. Schedule to be in vertical format, listing each door opening, including: handing of opening, all hardware scheduled for opening or otherwise required to allow for proper function of door opening as intended, and finish of hardware. At doors with door closers or door controls include degree of door opening. Supply the schedules all Finish Hardware within two (2) weeks from date purchase order is received by the hardware supplier.

B. Submit manufacturer's cut/catalog sheets on all hardware items and any required special mounting instructions with the hardware schedule.

C. Certification of Compliance:

1. Submit any information necessary to indicate compliance to all of these specifications as required.
2. Submit a statement from the manufacturer that electronic hardware and systems being supplied comply with the operational descriptions exactly as specified.

D. Submit any samples necessary as required by the Architect.

E. Templates for finish hardware items to be sent to related door and frame suppliers within three (3) working days of receipt of approved hardware schedule.

F. Doors and Frames used in positive pressure opening assemblies shall meet U.B.C. 7-2-97 and UL10C in areas where this specification includes Seals for smoke door.

1.06 QUALITY ASSURANCE

A. Hardware supplier to be a qualified, Factory Authorized, direct distributor of the products to be furnished. In addition, the supplier to have in their regular employment an AHC or AHC /CDC and/or a person of equivalent experience (minimum fifteen (15) years in the industry) who will be made available at reasonable times to consult with the Architect/Contractor and/or Santa Rosa ISD regarding any matters affecting the finish hardware on this project.

B. All hardware used in labeled fire or smoke rated openings to be listed for those types of openings and bear the identifying label or mark indicating UL. (Underwriter's Laboratories) approved for fire. Exit devices in non-labeled openings to be listed for panic.

1.07 DELIVERY, HANDLING AND PACKAGING

A. Furnish all hardware with each unit clearly marked and numbered in accordance with the hardware schedule. Include door and item number for each.

B. Pack each item of hardware completes with all necessary parts and fasteners.

C. Properly wrap and cushion each item to prevent scratches and dents during delivery and storage.

1.08 SEQUENCING AND SCHEDULING

Any part of the finish hardware required by the frame or door manufacturers or other suppliers that is needed in order to produce doors or frames is to be sent to those suppliers in a timely manner, so as not to interrupt job progress.

1.09 WARRANTY

All Finish Hardware shall be supplied with a Two- (2) year warranty against defects in materials and workmanship, commencing with substantial completion of the project except as follows:

1. All Closers are to have a ten- (10) year written warranty.
2. All Exit Devices are to have a three- (3) year written warranty.
3. All Grades 1 Locksets are to have a seven- (7) year written warranty.
4. All Continuous Hinges are to have a ten- (10) year written warranty.

PART 2 – PRODUCTS

2.01 FASTENERS

A. Furnish with finish hardware all necessary screws, bolts and other fasteners of suitable size and type to anchor the hardware in position for a long life under hard use.

B. Furnish fastenings where necessary with expansion shields, toggle bolts and other anchors designated by the Architect according to the material to which the hardware is to be applied and the recommendations of the hardware manufacturer. All closers and exit devices on labeled wood doors shall be through-bolted if required be the door manufacturer. All thresholds shall be fastened with wood screws and plastic anchors.

C. Design of all fastenings shall harmonize with the hardware as to material and finish.

D. All hardware shall be installed with the Manufacturers standard screws as provided. The use of any other type of fasteners shall not be permitted. The general contractor shall provide wood blocking in all stud walls specified and/or scheduled to receive wall stops, No Exception.

2.02 ENVIRONMENTAL CONCERN FOR PACKAGING

The hardware shipped to the job site is to be packaged in biodegradable packs such as paper or cardboard boxes and wrapping. If non-biodegradable packing such as plastic, plastic bags or large amounts of Styrofoam is utilized, then the Contractor will be responsible for the disposal of the non-biodegradable packing to a licensed or authorized collector for recycling of the non-biodegradable packing.

2.03 HINGES

A. All hinges to be of one manufacturer as hereafter listed for continuity and consideration of warranty. Provide one of the following manufacturers Ives, Bommer or Stanley.

B. Unless otherwise specified provide five-knuckle, heavy-duty, button tip, full mortise template type hinges with non-rising loose pins. Provide non-removable pins for out swinging doors at secured areas or as called for in this specification (Refer to 3.02 Hardware Sets).

C. Provide exterior out-swinging door hinges of solid aluminum or stainless steel with non-removable pins or security studs as called for in 3.02 Hardware Sets.

D. Provide Interior doors with stainless steel as specified in 3.02 Hardware Sets. Furnish three (3) hinges up to 90 inches high and one (1) additional hinge for every 30 inches or fraction thereof.

E. Provide size 4½" x 4½" for all 1¾" thick doors up to and including 36 inches wide. Doors over 1¾" through 2¼" thick, use 5" x 5" hinges. Doors over 36 inches use 5" x 4½" unless otherwise noted in 3.02 Hardware Sets.

F. Were required to clear the trim and/or to permit the doors to swing 180 degrees furnish hinges of sufficient throw.

G. Provide heavy weight hinges on all doors over 36 inches in width.

H. At labeled door's steel or stainless steel, bearing-type hinges shall be provided. For all doors equipped with closers provide bearing-type hinges.

I. Continuous hinges shall be Ives as specified or equal products manufactured by Select or ABH.

2.04 LOCK AND LOCK TRIM

A. All of the locksets, latch sets, and trim to be of one manufacturer as hereafter listed for continuity of design and consideration of warranty. Locksets shall be provided as specified and are Schlage "ND" series with the "Rhodes" lever.

B. Provide metal wrought box strike boxes and curved lip strikes with proper lip length to protect trim of the frame, but not to project more than 1/8 inch beyond frame trim or the inactive leaf of a pair of doors.

C. Mechanical Locks shall meet ANSI Operational Grades 1, Series 4000 as specified.

1. Hand of lock is to be field reversible or non-handed.
2. All lever trim is to be through-bolted through the door.
3. Provide all pairs of doors specified with locksets with a ¾" latch bolt throw.
4. Provide 3-3/4"BS for all doors specified with sound and/or light seals.

2.05 CYLINDERS AND KEYING

A. Provide locks and Exit devices requiring cylinders with Schlage Patented Everest key system and comply with performance requirements of ANSI A156.5. All keys shall be of nickel silver material only. All locks are to be factory keyed to the New Everest Grand Master Key System (which shall be factory maintained) as directed by Santa Rosa ISD and the Architect. The hardware supplier shall meet with the the Architect, a Representative the Lock manufacturer and a Representative of Santa Rosa ISD at the project site to determine all permanent keying requirements. The hardware supplier shall provide one (1) Knox Box if required by the local Fire Marshall. The contractor shall as required by the local Fire Marshall and Santa Rosa ISD mount the Knox Box.

B Furnish all exterior and/or interior locks, cylinders and Exit devices with temporary keyed construction cores and/or cylinders for the duration of construction. Provide twenty (20) construction keys and two (2) construction control keys total.

C. Cylinders shall be factory keyed and factory maintained as directed by Santa Rosa ISD and the Architect. Provide three- (3) keys per cylinder, twelve- (12) keys per keyed alike set and six- (6) master keys per master used.

D. Factory stamp all keys "Do not duplicate" and with key symbol as directed by Santa Rosa ISD.

2.06 EXIT DEVICES

A. All exit devices and trim, including electrified items, to be of one manufacturer as hereafter listed and in the hardware sets for continuity of design and consideration of warranty; electrified devices and trim to be the same series and design as mechanical devices and trim.

B. Exit Devices to be "UL" listed for life safety. All exit devices for labeled doors shall have "UL" label for "Fire Exit Hardware". All devices mounted on labeled wood doors are to be through-bolted or per the manufacturer's listing requirements. All devices shall conform to NFPA 80 and NFPA 101 requirements.

C. All exit devices to be of a heavy duty, chassis mounted design, with one-piece removable covers, eliminating necessity of removing the device from the door for standard maintenance and keying requirements.

D. All trims to be through-bolted to the lock stile case. Lever design to be the same as specified with the lock sets (“06” design) if specified.

E. Exit Devices to be the modern push rail design. All exit devices shall be mounted with sex bolts. Exit Devices shall be field modifiable to receive electrified functions without the purchase of new Exit Devices.

F. All devices shall carry a three- (3) year warranty against manufacturing defects and workmanship.

G. Exit Devices shall be Von Duprin “99” series as specified.

2.07 SURFACE MOUNTED DOOR CLOSERS

A. All closers for this project shall be the products of a single manufacturer for continuity of design and consideration of warranty. All door closers shall be mounted as to achieve the maximum degree of opening (trim permitting).

B. All closers to be heavy duty, surface-mounted, fully hydraulic, rack and pinion action with high strength cylinder to provide control throughout the entire door opening cycle.

C. Size all closers in accordance with the manufacturer’s recommendations at the factory.

D. All closers to have adjustable spring power sizes 1 or 2 through 4 or 6 and separate tamper resistant, brass, non-critical regulating screw valves for closing speed, latching speed and back-check control as a standard feature unless specified other wise.

E. All closer covers to be rectangular, full cover type of non-ferrous, non-corrosive material painted to match closer. Provide closer covers only if provided as a standard part of the door closer package.

F. Closers shall have heavy-duty arms. All closer arms shall be of sufficient length to accommodate the reveal depth and to insure proper installation. The hardware supplier shall provide any and all required brackets, spacers or filler plates as required by the manufacture for a proper and functional installation as part of their base bid.

G. Supply appropriate arm assembly for each closer so that closer body and arm are mounted on non-public side of door opening and on the interior side of exterior openings, except where required otherwise in the hardware sets.

1. All parallel arm mounted closers to be factory indexed to insure proper installation.
2. Furnish heavy-duty cold forged parallel arms for all parallel arm mounted closers.

H. Provide closers with special application and heavy-duty arms as specified in the hardware sets or as otherwise called for to insure a proper operating, long lasting opening. Drop plates and any additional brackets required for the proper installation of the door closer shall be included in the hardware supplier's base bid.

I. Finish: Sprayed enamel finish shall match other hardware.

J. Provide and install all door closers with sex nut bolts as provided by the door closer manufacturer.

K. Closers shall be LCN "4041, 4021 and1261" series as specified or equal products manufactured by Norton are acceptable.

2.08 DOOR STOPS AND HOLDERS

A. Door stops are to be furnished for every door leaf. Every door is to have a floor, wall, or an overhead stop.

B. Place doorstops in such a position that they permit maximum door swing, but do not present a hazard of obstruction. Furnish floor strikes for floor holders of proper height to engage holders of doors.

C. Where overhead stops and holders are specified, or otherwise required for proper door operation, they are to be heavy duty and of extruded brass, bronze or stainless steel with no plastic parts as specified**.** The General Contractor shall provide wood blocking in all stud walls specified and scheduled to receive wall stops.

D. Finish: Same as other hardware where available.

E. Acceptable Products

1. Floor and wall stops as listed in hardware sets. Equivalent products as manufactured by Ives, Rockwood, Glynn Johnson and Trimco are acceptable.

2.09 PUSH PLATES, DOOR PULLS, AND KICKPLATES

A. All push plates, door pull, kick plates and other miscellaneous hardware as listed in hardware sets. Equivalent products as manufactured by Ives, Rockwood, Glynn Johnson and Trimco are acceptable.

B. Kick plates to be 10 inches high and Mop plates to be 6 inches high, both by 2 inches or 1 inch less than door width (LDW) as specified. They are to be of 16 gauge thick stainless steel. For door with louvers or narrow bottom rails, kick plate height to be 1 inch less dimension shown from the bottom of the door to the bottom of the louver or glass.

C. Where required armor plates, edge guards and other protective hardware shall be supplied in sizes as scheduled in the hardware sets.

D. Finish: Same as other hardware where available.

2.10 FLUSH BOLTS AND COORDINATORS

A. Provide Flush bolts with Dust Proof Strikes as indicated in the individual hardware sets by Ives, Rockwood, Glynn Johnson and Trimco are acceptable. Finish shall match the adjacent hardware.

2.11 THRESHOLDS AND SEALS

A. Provide materials and finishes as listed in hardware sets. Equivalent product by National Guard Products, Zero, and Reese are acceptable. All thresholds must be in accordance with the requirements of the ADA and ANSI A117.1.

B. Provide thresholds with wood screws and plastic anchors. Supply all necessary anchoring devices for weather strip and sound seal.

C. Seals shall comply with requirements of U.B.C. 7-2-97 and UL10C. All thresholds, door bottoms and weather strip inserts shall be a silicone based product as specified in 3.02 Hardware Sets.

D. Seals shall comply with the requirements of the Wood Door Manufacturer’s certification requirements.

E. Thresholds shall be set in a full bed of silicon based caulking or mastic sealant.

2.12 FINISHES

A. Finishes for all hardware are as required in this specification and the hardware sets.

B. Special care is to be taken to make uniform the finish of all various manufactured items.

2.13 DOOR SILENCERS

A. Provide door silencers at all openings without gasket. Provide two- (2) each at each pair of doors and three- (3) or four- (4) each for each single door (coordinate with the frame manufacturer).

2.14 PROPRIETARY PRODUCTS

A. References to specific products are used to establish a high level of quality standards of utility and Performance. Unless otherwise approved provide only the specified product.

B. All other materials, not specifically described, but required for a complete and proper finish hardware installation, are to be selected by the Contractor, subject to the approval of the Architect and Santa Rosa ISD.

C. Architect and Santa Rosa ISD reserve the right to approve all the substitutions proposed for this specification. All requests for substitution to be made prior to bid in accordance with Division 1, General Requirements, and are to be in writing, hand delivered to the Architect. Two (2) copies of the manufacturer's brochures and a physical sample of each item in the appropriate design and finish shall accompany requests for substitution.

PART 3 - EXECUTION

3.01 INSTALLATION AND SERVICE ITEMS OF FINISH HARDWARE

A. All finish hardware shall be installed by an experienced finish hardware installer with at least ten (10) years experience after a pre-installation meeting between the contractor, hardware Manufacturers representative, the hardware supplier, the hollow metal supplier and the wood door supplier. The finish hardware installer shall be responsible for the proper installation and function of all doors and hardware.

B. The hardware supplier's fully staffed office and/or warehouse shall be located within a two hundred fifty (250) mile radius of the project site as to better service the Architect, General Contractor and Santa Rosa ISD during the course of this project.

C. Check hardware against the reviewed hardware schedule upon delivery. Store the hardware in a dry and secure location to protect against loss and damage.

D. Install finish hardware in accordance with approved hardware schedule and manufacturers' printed instructions. Pre-fit hardware before finish is applied to door; remove and reinstall after finish is complete and dry. Install and adjust hardware so that parts operate smoothly, close tightly, and do not rattle.

E. Mortise and cutting to be done neatly, and evidence of cutting to be concealed in the finished work. Protect all Finish hardware from scratching or other damage.

F. The hardware supplier, general contractor, hardware installer, representatives of the lock, exit device and closer manufacturers shall after Three (3) months of Santa Rosa ISD acceptance of the facility perform an on site survey of the finish hardware. Any item of finish hardware found to be defective or out of adjustment shall be replaced or adjusted for the proper function and operation of the door assembly at the contractor's, supplier's and/or installer's expense. The hardware supplier shall provide a written report of any and all affected items to the Architect and Santa Rosa ISD (No Exceptions). The scheduled inspection date for the on site inspection and adjustment of finish hardware shall be provided to the Architect as a part of the general contractor and hardware supplies close-out documentation for this project.

G. Install all door closers and exit devices with factory supplied sex nut bolts, no exception.

H. Thresholds shall be set in a full bed of silicon based caulking or mastic sealant.

3.02 HARDWARE SETS

SPECWORKS # 89357-08- 681765

HW SET: 01

DOOR NUMBER:

100A 100B 115 140B 200

EACH TO HAVE:

2	EA	CONTINUOUS HINGE	112HD 83"	628	IVE
1	EA	PANIC HARDWARE	HH9947DT	628	VON
1	EA	PANIC HARDWARE	HH9947NL	628	VON
1	EA	PERMENANT CORE	23-030	626	SCH
1	EA	CONSTRUCTION CORE	23-030-ICX	626	SCH
1	EA	CYLINDER	30-002/20-057 AS REQ. W/ PERMENANT CORE	626	SCH
2	EA	SURFACE CLOSER	4041XP SCUSH SRI SNB	689	LCN
2	EA	MOUNTING PLATE	4040-18PA SRI	689	LCN
2	EA	INSTALLATION BRACKET	4040-30 X 4040-61 SRI	689	LCN
2	EA	DRIP CAP	16A 76"	AL	NGP
2	EA	DOOR SWEEP	200SA 36" (INSTALL ON PULL SIDE OF DOOR)	AL	NGP
1	EA	THRESHOLD	896S SIA 72" (3/8" DOOR UNDER-CUT)	AL	NGP
		WEATHER STRIP	PROVIDED BY THE DOOR MFG.		BYO

HW SET: 02
DOOR NUMBER:
137 158
EACH TO HAVE:

2	EA	CONTINUOUS HINGE	700 83"	630	IVE
1	EA	MANUAL FLUSH BOLT	FB458-12" (BOTTOM)	626	IVE
1	EA	MANUAL FLUSH BOLT	FB458-12" (TOP)	626	IVE
1	EA	DUST PROOF STRIKE	DP1	626	IVE
1	EA	STOREROOM LOCK	ND96JD RHO 14-042	626	SCH
1	EA	PERMENANT CORE	23-030	626	SCH
1	EA	CONSTRUCTION CORE	23-030-ICX	626	SCH
1	EA	HEAD SEAL	700SA 1/72" (INSTALL PRIOR TO THE CLOSER)	AL	NGP
1	SET	ASTRAGAL	9605A 84" (INSTALL ON PULL SIDE OF DOOR)	AL	NGP
2	EA	SURFACE CLOSER	4041XP SCUSH SRI SNB	689	LCN
1	SET	JAMB SEALS	162S 2/84"	AL	NGP
1	EA	DRIP CAP	16A 76"	AL	NGP
2	EA	DOOR SWEEP	200SA 36" (INSTALL ON PULL SIDE OF DOOR)	AL	NGP
1	EA	THRESHOLD	896S SIA 72" (3/8" DOOR UNDER-CUT)	AL	NGP

HW SET: 03
DOOR NUMBER:
“NOT USED”

HW SET: 04
DOOR NUMBER:
108
EACH TO HAVE:

2	EA	CONTINUOUS HINGE	112HD 83"	628	IVE
1	EA	MULLION	KR4954	689	VON
2	EA	PANIC HARDWARE	99L 996L 3' SNB	628	VON
2	EA	RIM CYLINDERS	20-057 W/ PERMENANT CORE	626	SCH
1	EA	CONSTRUCTION CORE	23-030-ICX	626	SCH
2	EA	CONSTRUCTION CORES	23-030-ICX	626	SCH
1	EA	CYLINDER	30-002/20-057 AS REQ. W/ PERMENANT CORE	626	SCH
1	SET	ASTRAGAL	9605A 84" (INSTALL ON PULL SIDE OF DOOR)	AL	NGP
2	EA	SURFACE CLOSER	1261 HW/PA SNB	689	LCN
2	EA	KICK PLATE	8400 10" X 2" LDW	630	IVE
2	EA	SECURITY FLOOR STOP	FS18S	BLK	IVE
2	EA	SILENCER	SR64	GRY	IVE

HW SET: 05A
DOOR NUMBER:
140A
EACH TO HAVE:

2	EA	CONTINUOUS HINGE	112HD 83"	628	IVE
1	EA	REMOVABLE MULLION	KR9954	SP28	VON
2	EA	PANIC DEVICES	99-L-F-996L-SNB	628	VON
3	EA	CYLINDERS	20-057/30-002 W/PERM CORE	626	SCH
2	EA	CLOSERS	4040XP EDA SRI TBSRT	689	LCN
2	EA	WALL STOPS	WS406/407CCV	630	IVE
2	EA	KICK PLATES	8400-10” X 2” LDW	630	IVE
1	SET	SEAL	9605A-DOOR HEIGHT	CL	NGP
1	SET	SEAL	2525B-HEAD & JAMBS	BRN	NGP

HW SET: 06
DOOR NUMBER:
141
EACH TO HAVE:

2	EA	CONTINUOUS HINGE	112HD 83"	628	IVE
1	EA	MANUAL FLUSH BOLT	FB458-12" (BOTTOM)	626	IVE
1	EA	MANUAL FLUSH BOLT	FB458-12" (TOP)	626	IVE
1	EA	DUST PROOF STRIKE	DP2	626	IVE
1	EA	STOREROOM LOCK	ND96JD RHO 14-042	626	SCH
1	EA	PERMENANT CORE	23-030	626	SCH
1	EA	CONSTRUCTION CORE	23-030-ICX	626	SCH
1	SET	ASTRAGAL	9605A 84" (INSTALL ON PULL SIDE OF DOOR)	AL	NGP
2	EA	OVERHEAD HOLDER	904F	630	GLY
2	EA	ARMOR PLATE	8400 36" X 2" LDW	630	IVE
1	SET	SEALS	2525B 21'	BRN	NGP

HW SET: 07
DOOR NUMBER:
119B 132D 139D 142 144A
EACH TO HAVE:

2	EA	PERMENANT CORES	23-030	626	SCH
2	EA	CONSTRUCTION CORES	23-030-ICX	626	SCH
2	EA	PADLOCK	KS43G3200	452	SCH
		BALANCE HARDWARE	PROVIDED BY THE DOOR MFG.		BYO

HW SET: 08
DOOR NUMBER:
132B
EACH TO HAVE:

2	EA	PERMENANT CORES	23-030	626	SCH
2	EA	CONSTRUCTION CORES	23-030-ICX	626	SCH
2	EA	PADLOCK	KS43G3200	452	SCH
		BALANCE HARDWARE	PROVIDED BY THE DOOR MFG.		BYO

HW SET: 09
DOOR NUMBER:
154 201
EACH TO HAVE:

1	EA	CONTINUOUS HINGE	700 83"	630	IVE
1	EA	PANIC HARDWARE	HH99NL 990NL 4' SNB	628	VON
1	EA	RIM CYLINDER	20-057 W/ PERMENANT CORE	626	SCH
1	EA	CONSTRUCTION CORE	23-030-ICX	626	SCH
1	EA	HEAD SEAL	700SA 1/48"	AL	NGP
1	EA	SURFACE CLOSER	4020 LONG SRI	689	LCN
1	EA	MOUNTING PLATE	4020-18G SRI	689	LCN
1	EA	ARMOR PLATE	8400 36" X 2" LDW	630	IVE
1	EA	SECURITY FLOOR STOP	FS18S	BLK	IVE
1	EA	DOOR SCOPE	DOOR SCOPE VIEWER	BLK	UNI
1	SET	JAMB SEALS	162S 2/84"	AL	NGP
1	EA	DRIP CAP	16A 52"	AL	NGP
1	EA	DOOR SWEEP	200SA 48" (INSTALL ON PULL SIDE OF DOOR)	AL	NGP
1	EA	THRESHOLD	896S SIA 48" (3/8" DOOR UNDER-CUT)	AL	NGP

HW SET: 10
DOOR NUMBER:
132C
EACH TO HAVE:

1	EA	CONTINUOUS HINGE	700 83"	630	IVE
1	EA	PANIC HARDWARE	HH99NL 990NL SNB	628	VON
1	EA	RIM CYLINDER	20-057 W/ PERMENANT CORE	626	SCH
1	EA	CONSTRUCTION CORE	23-030-ICX	626	SCH
1	EA	SURFACE CLOSER	4020 LONG SRI	689	LCN
1	EA	MOUNTING PLATE	4020-18G SRI	689	LCN
1	EA	ARMOR PLATE	8400 36" X 2" LDW	630	IVE
1	EA	SECURITY FLOOR STOP	FS18S	BLK	IVE
1	SET	SEALS	162S 1/36" 2/84"	AL	NGP
1	EA	DRIP CAP	16A 40"	AL	NGP
1	EA	DOOR SWEEP	200SA 36" (INSTALL ON PULL SIDE OF DOOR)	AL	NGP
1	EA	THRESHOLD	896S SIA 36" (3/8" DOOR UNDER-CUT)	AL	NGP

HW SET: 11
DOOR NUMBER:
103 104
EACH TO HAVE:

1	EA	CONTINUOUS HINGE	112HD 83"	628	IVE
1	EA	DEADBOLT	B663J	626	SCH
1	EA	PERMENANT CORE	23-030	626	SCH
1	EA	CONSTRUCTION CORE	23-030-ICX	626	SCH
1	EA	PUSH PLATE	8200 8" X 16"	630	IVE
1	EA	PULL PLATE	8305-8 3.5" X 15"	630	IVE
1	EA	SURFACE CLOSER	1261 RA SNB	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW	630	IVE
1	EA	WALL STOP	WS407CCV	630	IVE
3	EA	SILENCER	SR64	GRY	IVE

HW SET: 12
DOOR NUMBER:
107
EACH TO HAVE:

3	EA	HINGE	5BB1 4.5 X 4.5 NRP	630	IVE
1	EA	CLASSROOM SEC LOCK	ND75JD RHO XN12-035	626	SCH
2	EA	PERMENANT CORES	23-030	626	SCH
2	EA	CONSTRUCTION CORES	23-030-ICX	626	SCH
1	EA	SURFACE CLOSER	1261 PA SNB	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW	630	IVE
1	EA	WALL STOP	WS407CCV	630	IVE
3	EA	SILENCER	SR64	GRY	IVE

HW SET: 13
DOOR NUMBER:
107A
EACH TO HAVE:

3	EA	HINGE	5BB1 4.5 X 4.5 NRP	630	IVE
1	EA	CLASSROOM LOCK	ND70JD RHO	626	SCH
1	EA	PERMENANT CORE	23-030	626	SCH
1	EA	CONSTRUCTION CORE	23-030-ICX	626	SCH
1	EA	WALL STOP	WS407CCV	630	IVE
1	EA	DBL WARDROBE HOOK	582	626	IVE
3	EA	SILENCER	SR64	GRY	IVE

HW SET: 14
DOOR NUMBER:
110A
EACH TO HAVE:

1	EA	CONTINUOUS HINGE	112HD 83"	628	IVE
1	EA	CLASSROOM SEC LOCK	ND75JD RHO XN12-035 14-028	626	SCH
2	EA	PERMENANT CORES	23-030	626	SCH
2	EA	CONSTRUCTION CORES	23-030-ICX	626	SCH
1	EA	SURFACE CLOSER	4020 LONG SRI	689	LCN
1	EA	MOUNTING PLATE	4020-18G SRI	689	LCN
1	EA	WALL STOP	WS407CCV	630	IVE
1	SET	SEALS	107SA 1/36" 2/84"	AL	NGP
1	SET	SEALS	2525B 17'	BRN	NGP
1	EA	DOOR SWEEP	200SA 36" (INSTALL ON PULL SIDE OF DOOR)	AL	NGP
1	EA	DOOR BOTTOM	420NA 36" (INSTALL ON PUSH SIDE OF DOOR)	AL	NGP
1	EA	THRESHOLD	513HD SIA 36" (3/8" DOOR UNDER-CUT)	AL	NGP

HW SET: 15
DOOR NUMBER:
110B
EACH TO HAVE:

1	EA	CONTINUOUS HINGE	112HD 83"	628	IVE
1	EA	CLASSROOM SEC LOCK	ND75JD RHO XN12-035 14-028	626	SCH
2	EA	PERMENANT CORES	23-030	626	SCH
2	EA	CONSTRUCTION CORES	23-030-ICX	626	SCH
1	EA	SURFACE CLOSER	4041XP REG SRI SNB	689	LCN
1	EA	WALL STOP	WS407CCV	630	IVE
1	SET	SEALS	107SA 1/48" 2/84"	AL	NGP
1	SET	SEALS	2525B 21'	BRN	NGP
1	EA	DOOR SWEEP	200SA 48" (INSTALL ON PULL SIDE OF DOOR)	AL	NGP
1	EA	DOOR BOTTOM	420NA 48" (INSTALL ON PUSH SIDE OF DOOR)	AL	NGP
1	EA	THRESHOLD	513HD SIA 48" (3/8" DOOR UNDER-CUT)	AL	NGP

HW SET: 16
DOOR NUMBER:
112 113
EACH TO HAVE:

1	EA	CONTINUOUS HINGE	112HD 83"	628	IVE
1	EA	CLASSROOM LOCK	ND70JD RHO 14-028	626	SCH
1	EA	PERMENANT CORE	23-030	626	SCH
1	EA	CONSTRUCTION CORE	23-030-ICX	626	SCH
1	EA	SURFACE CLOSER	1261 RA SNB	689	LCN
1	EA	WALL STOP	WS407CCV	630	IVE
1	SET	SEALS	107SA 1/36" 2/84"	AL	NGP
1	SET	SEALS	2525B 17'	BRN	NGP

1	EA	DOOR SWEEP	200SA 36" (INSTALL ON PULL SIDE OF DOOR)	AL	NGP
1	EA	DOOR BOTTOM	420NA 36" (INSTALL ON PUSH SIDE OF DOOR)	AL	NGP
1	EA	THRESHOLD	513HD SIA 36" (3/8" DOOR UNDER-CUT)	AL	NGP

HW SET: 17
DOOR NUMBER:
114 149
EACH TO HAVE:

3	EA	HINGE	5BB1 4.5 X 4.5	630	IVE
1	EA	CLASSROOM LOCK	ND70JD RHO	626	SCH
1	EA	PERMENANT CORE	23-030	626	SCH
1	EA	CONSTRUCTION CORE	23-030-ICX	626	SCH
1	EA	WALL STOP	WS407CCV	630	IVE
3	EA	SILENCER	SR64	GRY	IVE

HW SET: 18
DOOR NUMBER:
116
EACH TO HAVE:

1	EA	CONTINUOUS HINGE	112HD 83"	628	IVE
1	EA	CLASSROOM LOCK	ND70JD RHO	626	SCH
1	EA	PERMENANT CORE	23-030	626	SCH
1	EA	CONSTRUCTION CORE	23-030-ICX	626	SCH
1	EA	SURFACE CLOSER	1261 RA SNB	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW	630	IVE
1	EA	WALL STOP	WS407CCV	630	IVE
1	SET	SEALS	2525B 21'	BRN	NGP

HW SET: 19
DOOR NUMBER:
117 119A
EACH TO HAVE:

1	EA	CONTINUOUS HINGE	112HD 83"	628	IVE
1	EA	PANIC HARDWARE	9975L 996L	626	VON
1	EA	PERMENANT CORE	23-030	626	SCH
1	EA	CONSTRUCTION CORE	23-030-ICX	626	SCH
1	EA	MORTISE CYLINDER	30-002 W/ PERMENANT CORE	626	SCH
1	EA	SURFACE CLOSER	4020 LONG SRI	689	LCN
1	EA	MOUNTING PLATE	4020-18G SRI	689	LCN
1	EA	SECURITY FLOOR STOP	FS18S	BLK	IVE
1	SET	SEALS	107SA 1/36" 2/84"	AL	NGP
1	SET	SEALS	2525B 17'	BRN	NGP
1	EA	DOOR SWEEP	200SA 36" (INSTALL ON PULL SIDE OF DOOR)	AL	NGP
1	EA	DOOR BOTTOM	420NA 36" (INSTALL ON PUSH SIDE OF DOOR)	AL	NGP
1	EA	THRESHOLD	513HD SIA 36" (3/8" DOOR UNDER-CUT)	AL	NGP

HW SET: 20
DOOR NUMBER:
125B 129B
EACH TO HAVE:

1	EA	CONTINUOUS HINGE	112HD 83"	628	IVE
1	EA	DEADBOLT	B663J	626	SCH
1	EA	PERMENANT CORE	23-030	626	SCH
1	EA	CONSTRUCTION CORE	23-030-ICX	626	SCH
1	EA	PUSH PLATE	8200 8" X 16"	630	IVE
1	EA	PULL PLATE	8305-8 3.5" X 15"	630	IVE
1	EA	SURFACE CLOSER	1261 RA SNB	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW	630	IVE
1	EA	WALL STOP	WS407CCV	630	IVE
1	SET	SEALS	107SA 1/36" 2/84"	AL	NGP
1	SET	SEALS	2525B 17'	BRN	NGP
1	EA	DOOR SWEEP	200SA 36" (INSTALL ON PULL SIDE OF DOOR)	AL	NGP
1	EA	DOOR BOTTOM	420NA 36" (INSTALL ON PUSH SIDE OF DOOR)	AL	NGP
1	EA	THRESHOLD	513HD SIA 36" (3/8" DOOR UNDER-CUT)	AL	NGP

HW SET: 21
DOOR NUMBER:
120 121 122 123 124
EACH TO HAVE:

1	EA	CONTINUOUS HINGE	112HD 83"	628	IVE
1	EA	CLASSROOM LOCK	ND70JD RHO 14-028	626	SCH
1	EA	PERMENANT CORE	23-030	626	SCH
1	EA	CONSTRUCTION CORE	23-030-ICX	626	SCH
1	EA	SECURITY FLOOR STOP	FS18S	BLK	IVE
1	SET	SEALS	107SA 1/36" 2/84"	AL	NGP
1	SET	SEALS	2525B 17'	BRN	NGP
1	EA	DOOR SWEEP	200SA 36" (INSTALL ON PULL SIDE OF DOOR)	AL	NGP
1	EA	DOOR BOTTOM	420NA 36" (INSTALL ON PUSH SIDE OF DOOR)	AL	NGP
1	EA	THRESHOLD	513HD SIA 36" (3/8" DOOR UNDER-CUT)	AL	NGP

HW SET: 22
DOOR NUMBER:
126 128
EACH TO HAVE:

1	EA	CONTINUOUS HINGE	112HD 83"	628	IVE
1	EA	DEADBOLT	B663J	626	SCH
1	EA	PERMENANT CORE	23-030	626	SCH
1	EA	CONSTRUCTION CORE	23-030-ICX	626	SCH
1	EA	PUSH PLATE	8200 8" X 16"	630	IVE
1	EA	PULL PLATE	8305-8 3.5" X 15"	630	IVE
1	EA	SURFACE CLOSER	1261 PA SNB	689	LCN

1	EA	KICK PLATE	8400 10" X 2" LDW	630	IVE
1	EA	WALL STOP	WS407CCV	630	IVE
3	EA	SILENCER	SR64	GRY	IVE

HW SET: 23
DOOR NUMBER:
125A 129A
EACH TO HAVE:

1	EA	CONTINUOUS HINGE	112HD 83"	628	IVE
1	EA	DEADBOLT	B662J	626	SCH
2	EA	PERMENANT CORES	23-030	626	SCH
2	EA	CONSTRUCTION CORES	23-030-ICX	626	SCH
1	EA	PUSH PLATE	8200 8" X 16"	630	IVE
1	EA	PULL PLATE	8305-8 3.5" X 15"	630	IVE
1	EA	SURFACE CLOSER	1261 RA SNB	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW	630	IVE
1	EA	WALL STOP	WS407CCV	630	IVE
3	EA	SILENCER	SR64	GRY	IVE

HW SET: 24
DOOR NUMBER:
132A
EACH TO HAVE:

1	EA	CONTINUOUS HINGE	112HD 83"	628	IVE
1	EA	CLASSROOM LOCK	ND70JD RHO 14-028	626	SCH
1	EA	PERMENANT CORE	23-030	626	SCH
1	EA	CONSTRUCTION CORE	23-030-ICX	626	SCH
1	EA	SURFACE CLOSER	1261 SCUSH SNB	689	LCN
1	EA	ARMOR PLATE	8400 36" X 2" LDW	630	IVE
1	SET	SEALS	2525B 17'	BRN	NGP

HW SET: 25
DOOR NUMBER:
118 131 133
EACH TO HAVE:

3	EA	HINGE	5BB1 4.5 X 4.5	630	IVE
1	EA	CLASSROOM LOCK	ND70JD RHO	626	SCH
1	EA	PERMENANT CORE	23-030	626	SCH
1	EA	CONSTRUCTION CORE	23-030-ICX	626	SCH
1	EA	WALL STOP	WS407CCV	630	IVE
1	SET	SEALS	2525B 17'	BRN	NGP

HW SET: 26
DOOR NUMBER:
134
EACH TO HAVE:

3	EA	HINGE	5BB1 4.5 X 4.5 NRP	630	IVE
1	EA	STOREROOM LOCK	ND80JD RHO	626	SCH
1	EA	PERMENANT CORE	23-030	626	SCH
1	EA	CONSTRUCTION CORE	23-030-ICX	626	SCH
1	EA	SURFACE CLOSER	1261 PA SNB	689	LCN
1	EA	WALL STOP	WS407CCV	630	IVE
3	EA	SILENCER	SR64	GRY	IVE

HW SET: 27
DOOR NUMBER:
135
EACH TO HAVE:

3	EA	HINGE	5BB1HW 4.5 X 4.5 NRP	630	IVE
1	EA	STOREROOM LOCK	ND80JD RHO	626	SCH
1	EA	PERMENANT CORE	23-030	626	SCH
1	EA	CONSTRUCTION CORE	23-030-ICX	626	SCH
1	EA	SURFACE CLOSER	1261 SCUSH SNB	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW	630	IVE
3	EA	SILENCER	SR64	GRY	IVE

HW SET: 28
DOOR NUMBER:
136
EACH TO HAVE:

3	EA	HINGE	5BB1HW 4.5 X 4.5 NRP	630	IVE
1	EA	INDICATOR DEADLOCK	D271K	626	FAL
1	EA	STOREROOM LOCK	ND80JD RHO	626	SCH
1	EA	PERMENANT CORE	23-030	626	SCH
1	EA	CONSTRUCTION CORE	23-030-ICX	626	SCH
1	EA	SURFACE CLOSER	1261 SCUSH SNB	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW	630	IVE
1	EA	DBL WARDROBE HOOK	582	626	IVE
3	EA	SILENCER	SR64	GRY	IVE

HW SET: 29
DOOR NUMBER:
139A 139B
EACH TO HAVE:

1	EA	CONTINUOUS HINGE	112HD 83"	628	IVE
1	EA	PANIC HARDWARE	99L 996L 3' SNB	628	VON
1	EA	RIM CYLINDER	20-057 W/ PERMENANT CORE	626	SCH

1	EA	CONSTRUCTION CORE	23-030-ICX	626	SCH
1	EA	SURFACE CLOSER	1261 PA SNB	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW	630	IVE
3	EA	SILENCER	SR64	GRY	IVE

HW SET: 30
DOOR NUMBER:
139C
EACH TO HAVE:

1	EA	CONTINUOUS HINGE	112HD 83"	628	IVE
1	EA	FIRE EXIT HARDWARE	99L-F 996L 3' SNB	628	VON
1	EA	RIM CYLINDER	20-057 W/ PERMENANT CORE	626	SCH
1	EA	CONSTRUCTION CORE	23-030-ICX	626	SCH
1	EA	SURFACE CLOSER	1261 PA SNB	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW	630	IVE
1	EA	SECURITY FLOOR STOP	FS18S	BLK	IVE
1	SET	SEAL'S	2525B OR 9450B AS REQ. BY THE DOOR MFG.-17'	BRN	NGP

HW SET: 31
DOOR NUMBER:
140C
EACH TO HAVE:

1	EA	CONTINUOUS HINGE	112HD 83"	628	IVE
1	EA	DEADBOLT	B660J	626	SCH
1	EA	PERMENANT CORE	23-030	626	SCH
1	EA	CONSTRUCTION CORE	23-030-ICX	626	SCH
1	EA	PUSH PLATE	8200 8" X 16"	630	IVE
1	EA	PULL PLATE	8305-8 3.5" X 15"	630	IVE
1	EA	SURFACE CLOSER	1261 H SNB	689	LCN
1	EA	ARMOR PLATE	8400 36" X 2" LDW	630	IVE
1	EA	WALL STOP	WS407CCV	630	IVE
3	EA	SILENCER	SR64	GRY	IVE

HW SET: 32
DOOR NUMBER:
143 144B
EACH TO HAVE:

1	EA	CONTINUOUS HINGE	112HD 83"	628	IVE
1	EA	DEADBOLT	B660J	626	SCH
1	EA	PERMENANT CORE	23-030	626	SCH
1	EA	CONSTRUCTION CORE	23-030-ICX	626	SCH
1	EA	PUSH PLATE	8200 8" X 16"	630	IVE
1	EA	PULL PLATE	8305-8 3.5" X 15"	630	IVE
1	EA	SURFACE CLOSER	1261 HW/PA SNB	689	LCN
1	EA	ARMOR PLATE	8400 36" X 2" LDW	630	IVE

1	EA	WALL STOP	WS407CCV	630	IVE
3	EA	SILENCER	SR64	GRY	IVE

HW SET: 33
DOOR NUMBER:
150
EACH TO HAVE:

3	EA	HINGE	5BB1 4.5 X 4.5 NRP	630	IVE
1	EA	CLASSROOM LOCK	ND70JD RHO	626	SCH
1	EA	PERMENANT CORE	23-030	626	SCH
1	EA	CONSTRUCTION CORE	23-030-ICX	626	SCH
1	EA	WALL STOP	WS407CCV	630	IVE
3	EA	SILENCER	SR64	GRY	IVE

HW SET: 34
DOOR NUMBER:
151
EACH TO HAVE:

3	EA	HINGE	5BB1 4.5 X 4.5	630	IVE
1	EA	PASSAGE SET	ND10S RHO	626	SCH
1	EA	SURFACE CLOSER	1261 RA SNB	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW	630	IVE
1	EA	WALL STOP	WS407CCV	630	IVE
3	EA	SILENCER	SR64	GRY	IVE

HW SET: 35
DOOR NUMBER:
152
EACH TO HAVE:

3	EA	HINGE	5BB1 4.5 X 4.5	630	IVE
1	EA	PRIVACY SET	ND40S RHO	626	SCH
1	EA	SURFACE CLOSER	1261 RA SNB	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW	630	IVE
1	EA	WALL STOP	WS407CCV	630	IVE
1	EA	DBL WARDROBE HOOK	582	626	IVE
3	EA	SILENCER	SR64	GRY	IVE

HW SET: 36
DOOR NUMBER:
153
EACH TO HAVE:

1	EA	CONTINUOUS HINGE	112HD 83"	628	IVE
1	EA	STOREROOM LOCK	ND80JD RHO	626	SCH
1	EA	PERMENANT CORE	23-030	626	SCH

1	EA	CONSTRUCTION CORE	23-030-ICX	626	SCH
1	EA	OVERHEAD HOLDER	904F	630	GLY
3	EA	SILENCER	SR64	GRY	IVE

HW SET: 37
DOOR NUMBER:
157
EACH TO HAVE:

3	EA	HINGE	5BB1 4.5 X 4.5 NRP	630	IVE
1	EA	STOREROOM LOCK	ND96JD RHO	626	SCH
1	EA	PERMENANT CORE	23-030	626	SCH
1	EA	CONSTRUCTION CORE	23-030-ICX	626	SCH
1	EA	WALL STOP	WS407CCV	630	IVE
1	SET	SEAL'S	2525B OR 9450B AS REQ. BY THE DOOR MFG.-17'	BRN	NGP

HW SET: 38
DOOR NUMBER:
155A 155B 156
EACH TO HAVE:

	ALL HARDWARE	PROVIDED BY THE DOOR MFG.	BYO

END OF SECTION

SECTION 09 91 00 - PAINTING

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section includes surface preparation and the application of paint systems on the following interior substrates:

1. Concrete.
2. Concrete masonry units (CMUs).
3. Steel and iron.
4. Galvanized metal.
5. Copper.
6. Wood.
7. Gypsum board.
8. Plaster.
9. Acoustic panels and tiles.
10. Spray-textured ceilings.

B. Section includes surface preparation and the application of paint systems on the following exterior substrates:

1. Concrete.
2. Fiber-cement board.
3. Clay masonry.
4. Concrete masonry units (CMUs).
5. Steel and iron.
6. Galvanized metal.
7. Aluminum (not anodized or otherwise coated).
8. Copper.
9. Stainless steel.
10. Wood.
11. Fiberglass.
12. Plastic.
13. Portland cement plaster (stucco).
14. Gypsum board.
15. Cotton or canvas insulation covering.
16. Bituminous-coated surfaces.

C. Related Requirements:

1. Section 05 12 00 "Structural Steel Framing" for shop priming structural steel.

2. Section 05 12 13 "Architecturally Exposed Structural Steel Framing" for shop priming of metal substrates.
3. Section 05 50 00 "Metal Fabrications" for shop priming metal fabrications.
4. Section 05 51 13 "Metal Pan Stairs" for shop priming metal pan stairs.

5. Section 05 51 16 "Metal Floor Plate Stairs" for shop priming metal floor plate stairs.
6. Section 05 51 19 "Metal Grating Stairs" for shop priming metal grating stairs.
7. Section 05 52 13 "Pipe and Tube Railings" for shop priming and painting pipe and tube railings.
8. Section 09 96 00 "High-Performance Coatings" for tile-like coatings.
9. Section 09 93 00 "Staining and Transparent Finishing" for surface preparation and the application of wood stains and transparent finishes on interior wood substrates.

1.3 DEFINITIONS

A. MPI Gloss Level 1: Not more than five units at 60 degrees and 10 units at 85 degrees, according to ASTM D 523.

B. MPI Gloss Level 2: Not more than 10 units at 60 degrees and 10 to 35 units at 85 degrees, according to ASTM D 523.

C. MPI Gloss Level 3: 10 to 25 units at 60 degrees and 10 to 35 units at 85 degrees, according to ASTM D 523.

D. MPI Gloss Level 4: 20 to 35 units at 60 degrees and not less than 35 units at 85 degrees, according to ASTM D 523.

E. MPI Gloss Level 5: 35 to 70 units at 60 degrees, according to ASTM D 523.

F. MPI Gloss Level 6: 70 to 85 units at 60 degrees, according to ASTM D 523.

G. MPI Gloss Level 7: More than 85 units at 60 degrees, according to ASTM D 523.

1.4 ACTION SUBMITTALS

A. Product Data: For each type of product. Include preparation requirements and application instructions.

1. Include Printout of current "MPI Approved Products List" for each product category specified, with the proposed product highlighted.
2. Indicate VOC content.

B. Sustainable Design Submittals:

1. Product Data: For paints and coatings, indicating VOC content.

2. Laboratory Test Reports: For paints and coatings, indicating compliance with requirements for low-emitting materials.

C. Samples for Initial Selection: For each type of topcoat product.

D. Samples for Verification: For each type of paint system and in each color and gloss of topcoat.

1. Submit Samples on rigid backing, 8 inches square.
2. Apply coats on Samples in steps to show each coat required for system.
3. Label each coat of each Sample.
4. Label each Sample for location and application area.

E. Product List: Cross-reference to paint system and locations of application areas. Use same designations indicated on Drawings and in schedules. Include color designations.

1.5 MAINTENANCE MATERIAL SUBMITTALS

A. Furnish extra materials, from the same product run, that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.

1. Paint: 5 percent, but not less than 1 gal. of each material and color applied.

1.6 QUALITY ASSURANCE

A. Mockups: Apply mockups of each paint system indicated and each color and finish selected to verify preliminary selections made under Sample submittals and to demonstrate aesthetic effects and set quality standards for materials and execution.

1. Architect will select one surface to represent surfaces and conditions for application of each paint system.

a. Vertical and Horizontal Surfaces: Provide samples of at least 100 sq. ft..
b. Other Items: Architect will designate items or areas required.

2. Final approval of color selections will be based on mockups.

a. If preliminary color selections are not approved, apply additional mockups of additional colors selected by Architect at no added cost to Owner.

3. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Architect specifically approves such deviations in writing.
4. Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

1.7 DELIVERY, STORAGE, AND HANDLING

A. Store materials not in use in tightly covered containers in well-ventilated areas with ambient temperatures continuously maintained at not less than 45 deg F.

1. Maintain containers in clean condition, free of foreign materials and residue.
2. Remove rags and waste from storage areas daily.

1.8 FIELD CONDITIONS

A. Apply paints only when temperature of surfaces to be painted and ambient air temperatures are between 50 and 95 deg F.

B. Do not apply paints when relative humidity exceeds 85 percent; at temperatures less than 5 deg F above the dew point; or to damp or wet surfaces.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to the following:

1. Sherwin-Williams Company (The).

B. Products: Subject to compliance with requirements, available products that may be incorporated into the Work include, but are not limited to products listed in the Interior Painting Schedule for the paint category indicated.

2.2 PAINT, GENERAL

A. MPI Standards: Products shall comply with MPI standards indicated and shall be listed in its "MPI Approved Products Lists."

B. Material Compatibility:

1. Materials for use within each paint system shall be compatible with one another and substrates indicated, under conditions of service and application as demonstrated by manufacturer, based on testing and field experience.
2. For each coat in a paint system, products shall be recommended in writing by topcoat manufacturers for use in paint system and on substrate indicated.

C. VOC Content: For field applications that are inside the weatherproofing system, paints and coatings shall comply with VOC content limits of authorities having jurisdiction and the following VOC content limits:

1. Flat Paints and Coatings: 50 g/L.
2. Nonflat Paints and Coatings: 150 g/L.
3. Dry-Fog Coatings: 400 g/L.
4. Primers, Sealers, and Undercoaters: 200 g/L.
5. Anticorrosive and Antirust Paints Applied to Ferrous Metals: 250 g/L.
6. Zinc-Rich Industrial Maintenance Primers: 340 g/L.
7. Pretreatment Wash Primers: 420 g/L.
8. Shellacs, Clear: 730 g/L.
9. Shellacs, Pigmented: 550 g/L.

D. Low-Emitting Materials: Interior paints and coatings shall comply with the testing and product requirements of the California Department of Public Health's "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers."

E. Colors: As selected by Architect from manufacturer's full range, and as indicated in a color schedule.

2.3 SOURCE QUALITY CONTROL

A. Testing of Paint Materials: Owner reserves the right to invoke the following procedure:

1. Owner may direct Contractor to stop applying paints if test results show materials being used do not comply with product requirements. Contractor shall remove noncomplying paint materials from Project site, pay for testing, and repaint surfaces painted with rejected materials. Contractor will be required to remove rejected materials from previously painted surfaces if, on repainting with complying materials, the two paints are incompatible.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates and conditions, with Applicator present, for compliance with requirements for maximum moisture content and other conditions affecting performance of the Work.

B. Maximum Moisture Content of Substrates: When measured with an electronic moisture meter as follows:

1. Concrete: 12 percent.
2. Fiber-Cement Board: 12 percent.
3. Masonry (Clay and CMUs): 12 percent.
4. Wood: 15 percent.
5. Gypsum Board: 12 percent.
6. Plaster: 12 percent.

C. Gypsum Board Substrates: Verify that finishing compound is sanded smooth.

D. Plaster Substrates: Verify that plaster is fully cured.

E. Spray-Textured Ceiling Substrates: Verify that surfaces are dry.

F. Portland Cement Plaster Substrates: Verify that plaster is fully cured.

G. Exterior Gypsum Board Substrates: Verify that finishing compound is sanded smooth.

H. Verify suitability of substrates, including surface conditions and compatibility, with existing finishes and primers.

I. Proceed with coating application only after unsatisfactory conditions have been corrected.

1. Application of coating indicates acceptance of surfaces and conditions.

3.2 PREPARATION

A. Comply with manufacturer's written instructions and recommendations in "MPI Architectural Painting Specification Manual" applicable to substrates and paint systems indicated.

B. Remove hardware, covers, plates, and similar items already in place that are removable and are not to be painted. If removal is impractical or impossible because of size or weight of item, provide surface-applied protection before surface preparation and painting.

1. After completing painting operations, use workers skilled in the trades involved to reinstall items that were removed. Remove surface-applied protection if any.

C. Clean substrates of substances that could impair bond of paints, including dust, dirt, oil, grease, and incompatible paints and encapsulants.

1. Remove incompatible primers and reprime substrate with compatible primers or apply tie coat as required to produce paint systems indicated.

D. Concrete Substrates: Remove release agents, curing compounds, efflorescence, and chalk. Do not paint surfaces if moisture content or alkalinity of surfaces to be painted exceeds that permitted in manufacturer's written instructions.

E. Masonry Substrates: Remove efflorescence and chalk. Do not paint surfaces if moisture content or alkalinity of surfaces or mortar joints exceeds that permitted in manufacturer's written instructions.

F. Steel Substrates: Remove rust, loose mill scale, and shop primer, if any. Clean using methods recommended in writing by paint manufacturer, but not less than the following:

1. SSPC-SP 2.
2. SSPC-SP 3.
3. SSPC-SP 7/NACE No. 4.
4. SSPC-SP 11.
5. SSPC-SP 15.

G. Shop-Primed Steel Substrates: Clean field welds, bolted connections, and areas where shop paint is abraded. Paint exposed areas with the same material as used for shop priming to comply with SSPC-PA 1 for touching up shop-primed surfaces.

H. Galvanized-Metal Substrates: Remove grease and oil residue from galvanized sheet metal by mechanical methods to produce clean, lightly etched surfaces that promote adhesion of subsequently applied paints.

I. Aluminum Substrates: Remove loose surface oxidation.

J. Wood Substrates (Interior):

1. Scrape and clean knots, and apply coat of knot sealer before applying primer.
2. Sand surfaces that will be exposed to view, and dust off.
3. Prime edges, ends, faces, undersides, and backsides of wood.
4. After priming, fill holes and imperfections in the finish surfaces with putty or plastic wood filler. Sand smooth when dried.

K. Wood Substrates (Exterior):

1. Scrape and clean knots. Before applying primer, apply coat of knot sealer recommended in writing by topcoat manufacturer for exterior use in paint system indicated.
2. Sand surfaces that will be exposed to view, and dust off.
3. Prime edges, ends, faces, undersides, and backsides of wood.
4. After priming, fill holes and imperfections in the finish surfaces with putty or plastic wood filler. Sand smooth when dried.

L. Plastic Trim Fabrication Substrates: Remove dust, dirt, and other foreign material that might impair bond of paints to substrates.

M. Cotton or Canvas Insulation Covering Substrates: Remove dust, dirt, and other foreign material that might impair bond of paints to substrates.

3.3 APPLICATION

A. Apply paints according to manufacturer's written instructions and to recommendations in "MPI Manual."

1. Use applicators and techniques suited for paint and substrate indicated.
2. Paint surfaces behind movable equipment and furniture same as similar exposed surfaces. Before final installation, paint surfaces behind permanently fixed equipment or furniture with prime coat only.
3. Paint front and backsides of access panels, removable or hinged covers, and similar hinged items to match exposed surfaces.
4. Do not paint over labels of independent testing agencies or equipment name, identification, performance rating, or nomenclature plates.
5. Primers specified in painting schedules may be omitted on items that are factory primed or factory finished if acceptable to topcoat manufacturers.

B. Tint each undercoat a lighter shade to facilitate identification of each coat if multiple coats of same material are to be applied. Tint undercoats to match color of topcoat, but provide sufficient difference in shade of undercoats to distinguish each separate coat.

C. If undercoats or other conditions show through topcoat, apply additional coats until cured film has a uniform paint finish, color, and appearance.

D. Apply paints to produce surface films without cloudiness, spotting, holidays, laps, brush marks, roller tracking, runs, sags, ropiness, or other surface imperfections. Cut in sharp lines and color breaks.

E. Painting Fire Suppression, Plumbing, HVAC, Electrical, Communication, and Electronic Safety and Security Work:

1. Paint the following work where exposed in equipment rooms:

a. Equipment, including panelboards and switch gear.
b. Uninsulated metal piping.
c. Uninsulated plastic piping.
d. Pipe hangers and supports.
e. Metal conduit.
f. Plastic conduit.
g. Tanks that do not have factory-applied final finishes.
h. Duct, equipment, and pipe insulation having cotton or canvas insulation covering or other paintable jacket material.
i. Refer to respective trade specification sections for additional items to be painted.

2. Paint the following work where exposed in occupied spaces:

a. Equipment, including panelboards.
b. Uninsulated metal piping.
c. Uninsulated plastic piping.
d. Pipe hangers and supports.
e. Metal conduit.
f. Plastic conduit.

g. Duct, equipment, and pipe insulation having cotton or canvas insulation covering or other paintable jacket material.
h. Other items as directed by Architect.
i. Refer to respective trade specification sections for additional items to be painted.

3. Paint the following work where exposed to view:

a. Equipment, including panelboards and switch gear.
b. Uninsulated metal piping.
c. Uninsulated plastic piping.
d. Pipe hangers and supports.
e. Metal conduit.
f. Plastic conduit.
g. Tanks that do not have factory-applied final finishes.

4. Paint portions of internal surfaces of metal ducts, without liner, behind air inlets and outlets that are visible from occupied spaces.

3.4 FIELD QUALITY CONTROL

A. Dry Film Thickness Testing: Owner may engage the services of a qualified testing and inspecting agency to inspect and test paint for dry film thickness.

1. Contractor shall touch up and restore painted surfaces damaged by testing.
2. If test results show that dry film thickness of applied paint does not comply with paint manufacturer's written recommendations, Contractor shall pay for testing and apply additional coats as needed to provide dry film thickness that complies with paint manufacturer's written recommendations.

3.5 CLEANING AND PROTECTION

A. At end of each workday, remove rubbish, empty cans, rags, and other discarded materials from Project site.

B. After completing paint application, clean spattered surfaces. Remove spattered paints by washing, scraping, or other methods. Do not scratch or damage adjacent finished surfaces.

C. Protect work of other trades against damage from paint application. Correct damage to work of other trades by cleaning, repairing, replacing, and refinishing, as approved by Architect, and leave in an undamaged condition.

D. At completion of construction activities of other trades, touch up and restore damaged or defaced painted surfaces.

3.6 INTERIOR PAINTING SCHEDULE

A. Concrete Substrates, Nontraffic Surfaces:

1. High-Performance Architectural Latex System MPI INT 3.1C-G3:

a. Prime Coat: Primer, alkali resistant, water based, MPI #3.

1) Sherwin-Williams; Loxon, Loxon Concrete & Masonry Primer – A24W8300.

b. Intermediate Coat: Latex, interior, high performance architectural, matching topcoat.

c. Topcoat: Latex, interior, high performance architectural (MPI Gloss Level 3), MPI #139.

1) Sherwin-Williams; Pro Industrial, Pre-Catalyzed Waterbased Epoxy Eg-Shel – K45w00151.

B. Concrete Substrates, Traffic Surfaces:

1. Solvent-Based Concrete Floor Sealer System MPI INT 3.2F:

a. First Coat: Sealer, solvent based, for concrete floors, matching topcoat.
b. Topcoat: Sealer, solvent based, for concrete floors, MPI #104.

1) Sherwin-Williams; H&C, H&C Decorative Concrete Sealer – 50.00000.

C. Cement Board Substrates:

1. Latex System MPI INT 3.3A:

a. Prime Coat: Primer, alkali resistant, water based, MPI #3.

1) Sherwin-Williams; Loxon, Loxon Concrete & Masonry Primer – A24W8300.

b. Intermediate Coat: Latex, interior, matching topcoat.

c. Topcoat: Latex, interior (MPI Gloss Level 3), MPI #52.

1) Sherwin-Williams; ProMar 200 Zero VOC, Interior Latex Eg-Shel.

D. Clay Masonry Substrates:

1. High-Performance Architectural Latex System MPI INT 4.1L-G3:

a. Prime Coat: Primer, alkali resistant, water based, MPI #3.

1) Sherwin-Williams; Loxon, Loxon Concrete & Masonry Primer – A24W8300.

b. Intermediate Coat: Latex, interior, high performance architectural, matching topcoat.

c. Topcoat: Latex, interior, high performance architectural (MPI Gloss Level 3), MPI #139.

1) Sherwin-Williams; Pro Industrial, Pre-Catalyzed Waterbased Epoxy Eg-Shel – K45w00151.

E. CMU Substrates:

1. High-Performance Architectural Latex System MPI INT 4.2D-G3:

a. Block Filler: Block filler, latex, interior/exterior, MPI #4.
   1) Sherwin Williams; Loxon, Block Surfacer -A24W00200/A24WQ8200.

b. Intermediate Coat: Latex, interior, high performance architectural, matching topcoat.

c. Topcoat: Latex, interior, high performance architectural (MPI Gloss Level 3), MPI #139.

   1) Sherwin-Williams; Pro Industrial, Pre-Catalyzed Waterbased Epoxy Eg-Shel – K45w00151.

2. Clear (2-Component) Polyurethane System MPI INT 4.2Q:

a. Prime Coat: Two-component polyurethane, matching topcoat.
b. Intermediate Coat: Two-component polyurethane, matching topcoat.
c. Topcoat: Varnish, aliphatic polyurethane, two component (MPI Gloss Level 6), MPI #78.

   1) Sherwin-Williams; Protective & Marine Coatings, Hi-Solids Polyurethane – B65-350.

F. Steel Substrates (Structural Steel and Metal Fabrications):

1. Latex System, Alkyd Primer MPI INT 5.1QQ-G5:

a. Prime Coat: Primer, alkyd, anti-corrosive, for metal, MPI #79.

   1) Sherwin-Williams; Protective & Marine, Steel Spec Universal Metal Primer – B50WV8430.
b. Intermediate Coat: Latex, interior, matching topcoat.

c. Topcoat: Latex, interior, semi-gloss (MPI Gloss Level 5), MPI #54.

   1) Sherwin-Williams; Harmony, Interior Latex Semi-Gloss – B10W01051.

G. Galvanized-Metal Substrates: High Contact/High Traffic Areas; Doors, Frames, Railings, Pipes, Etc., and Low Contact/Low Traffic Areas; Over-Head Decking, Pipes, Ducts, Etc.

1. Epoxy System MPI INT 5.3D-G5 (Doors:

a. Prime Coat: Primer, epoxy, anti-corrosive, for metal, MPI #101.

   1) Sherwin-Williams; Protective & Marine, Dura-Plate 235 Multi-Purpose Epoxy – B67W235/B67V235.

b. Intermediate Coat: Epoxy, semi-gloss, matching topcoat.
c. Topcoat: Epoxy, semi-gloss (MPI Gloss Level 5), MPI #177.

   1) Sherwin-Williams; Protective & Marine, Macropoxy 646 Fast Cure Epoxy – B58W00610.

H. Aluminum (Not Anodized or Otherwise Coated) Substrates:

1. Latex System MPI INT 5.4H:

a. Prime Coat: Primer, quick dry, for aluminum, MPI #95.

1) Rust-Oleum; XIM X Seal - 11301.

b. Intermediate Coat: Latex, interior, matching topcoat.

c. Topcoat: Latex, interior (MPI Gloss Level 3), MPI #52.

1) Sherwin-Williams; ProMar 200 Zero VOC, Interior Latex Eg-Shel – B20W12651.

I. Copper Substrates:

1. High-Performance Architectural Latex System MPI INT 5.5F-G5:

a. Prime Coat: Primer, quick dry, for aluminum, MPI #95.

1) Rust-Oleum; XIM X Seal - 11301.

b. Intermediate Coat: Latex, interior, high performance architectural, matching topcoat.

c. Topcoat: Latex, interior, high performance architectural, semi-gloss (MPI Gloss Level 5), MPI #141.

1) Sherwin-Williams; Pro Industrial, Pre-Catalyzed Waterbased Epoxy Eg-Shel – K45W00151.

J. Plastic Substrates:

1. High-Performance Architectural Latex System MPI INT 6.8AA-G5:

a. Prime Coat: Primer, bonding, water based, MPI #17.

1) Sherwin-Williams; Extreme Bond, Interior/Exterior Bonding Primer – B51W00150.

b. Intermediate Coat: Latex, interior, high performance architectural, matching topcoat.

c. Topcoat: Latex, interior, high performance architectural, semi-gloss (MPI Gloss Level 5), MPI #141.

1) Sherwin-Williams; Pro Industrial, Pre-Catalyzed Waterbased Epoxy Eg-Shel – K45W00151.

K. Spray-Textured Ceiling Substrates:

1. Latex over Alkyd Sealer System MPI INT 9.1B-G3:

a. Prime Coat: Primer sealer, alkyd, interior, MPI #45.

1) Sherwin-Williams; ProBlock, Interior Oil-Based Primer – B79W08810.

b. Topcoat: Latex, interior (MPI Gloss Level 3), MPI #52.

1) Sherwin-Williams; ProMar 200 Zero VOC, Interior Latex Eg-Shel – B20W12651.

L. Gypsum Board and Plaster Substrates:

1. High-Performance Architectural Latex System MPI INT 9.2B-G3:

a. Prime Coat: Primer sealer, latex, interior, MPI #50.

1) Sherwin-Williams; Harmony, Interior latex Primer – B11W01500.

b. Intermediate Coat: Latex, interior, high performance architectural, matching topcoat.

c. Topcoat: Latex, interior, high performance architectural (MPI Gloss Level 3), MPI #139.

1) Sherwin-Williams; Pro Industrial, Pre-Catalyzed Waterbased Epoxy Eg-Shel – K45W00151.

M. Acoustic Panels and Tiles:

1. High-Performance Architectural Latex System MPI INT 9.3E-G3:

a. Prime Coat: Latex, interior, high performance architectural, matching topcoat.

b. Topcoat: Latex, interior, high performance architectural (MPI Gloss Level 3), MPI #139.

1) Sherwin-Williams; Pro Industrial, Pre-Catalyzed Waterbased Epoxy Eg-Shel – K45W00151.

N. Cotton or Canvas and ASJ Insulation-Covering Substrates: Including pipe and duct coverings.

1. Alkyd System MPI INT 10.1B-G3:

a. Prime Coat: Primer sealer, latex, interior, MPI #50.

1) Sherwin-Williams; Quick Dry Stainblocking, Interior/Exterior Latex Primer – B51W08670.

b. Intermediate Coat: Alkyd, interior, matching topcoat.

c. Topcoat: Alkyd, interior, semi-gloss (MPI Gloss Level 5), MPI #47.

1) Sherwin-Williams; ProMar 200, Alkyd Semi-Gloss – B34W00251.

O. Bituminous-Coated Substrates:

1. Alkyd System MPI INT 10.2B-G5:

a. Prime Coat: Primer, rust inhibitive, water based, MPI #107.

1) Sherwin-Williams; Pro Industrial, Pro-Cryl Universal Primer – B66W310.

b. Intermediate Coat: Alkyd, interior, matching topcoat.

c. Topcoat: Alkyd, interior, semi-gloss (MPI Gloss Level 5), MPI #47.

1) Sherwin-Williams; ProMar 200, Alkyd Semi-Gloss – B34W00251.

P. Steel High-Heat Substrates: Boilers, Furnaces, Heat Exchangers, Breeching, Pipes, Flues, Stacks, Etc.

1. High Performance Silicone Acrylic System MPI INT 5.2A-G6:

a. Prime Coat: High performance, low-VOC, high solids, silicone acrylic, heat resistant flat, MPI #.

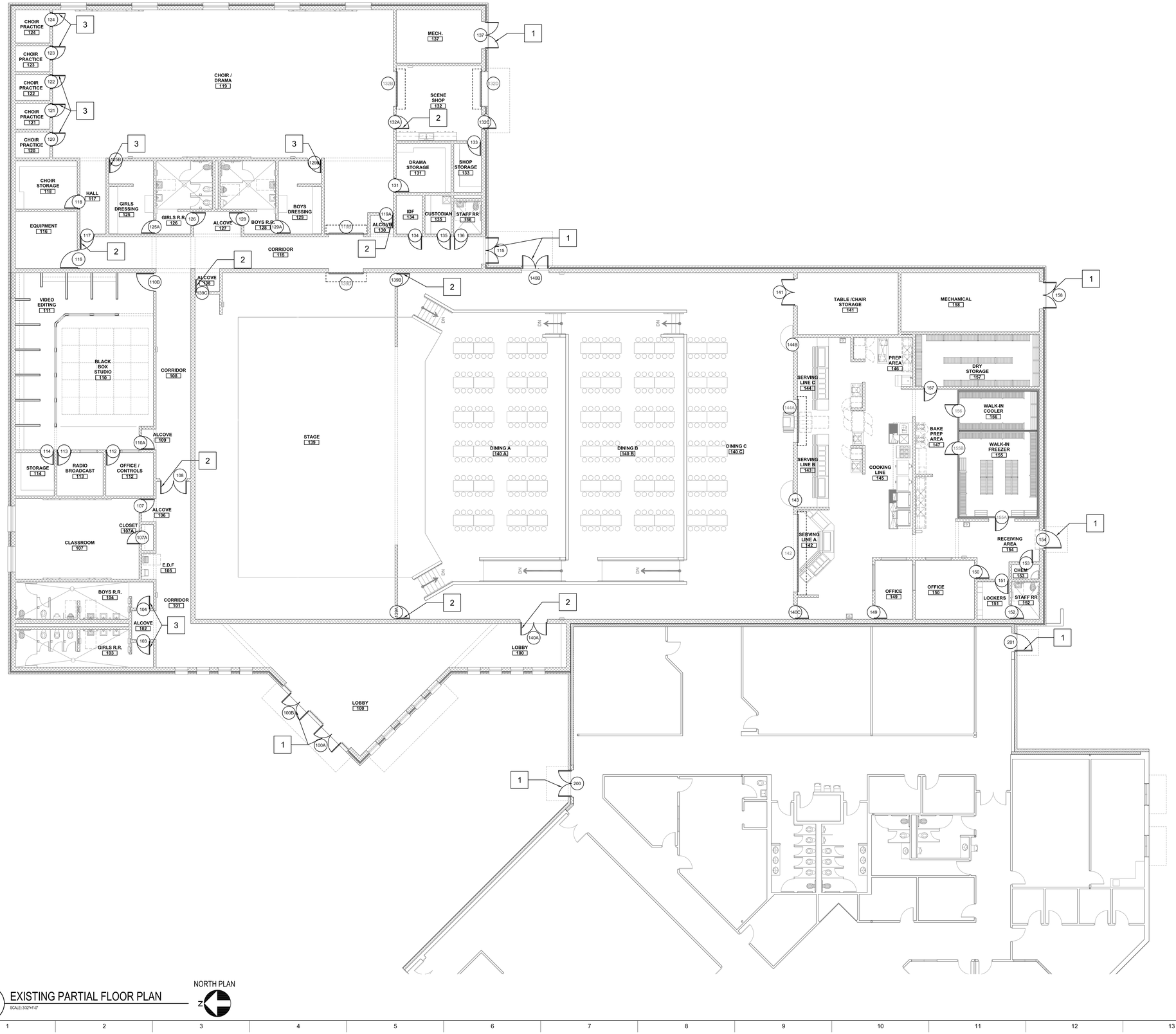
1) Sherwin-Williams; Protective & Marine Coatings, KEM Hi-Temp, Heat-Flex II 450 – B59-300.

b. Intermediate Coat: Alkyd, interior, matching topcoat.

a. Topcoat: High performance, low-VOC, high solids, silicone acrylic, heat resistant gloss, MPI #.

1) Sherwin-Williams; Protective & Marine Coatings, KEM Hi-Temp, Heat-Flex II 450 – B59-300/B59V405.

END OF SECTION 09 91 00



GENERAL NOTES:

1. ALL DOORS INCLUDED IN DOOR SCHEDULE ON SHEET AE601 ARE TO HAVE EXISTING DOOR HARDWARE REPLACED WITH SPECIFIED AND SCHEDULED DOOR HARDWARE.
2. ALL INTERIOR FLUSH WOOD DOORS TO BE REPLACED IF NEW HARDWARE WILL NOT FUNCTION PROPERLY WITH EXISTING HARDWARE BORINGS OR FASTENER LOCATIONS. THERE SHOULD BE NO OPEN BORINGS OR FASTENER LOCATIONS ON DOORS ONCE HARDWARE HAS BEEN REPLACED; IF SO, DOOR MUST BE REPLACED. DOOR SHOULD APPEAR AS IF NEWLY INSTALLED, FREE OF BLEMISHES AND DEFECTS.

GENERAL DOOR FRAME NOTES:

1. PROPERLY REPAIR AND PREPARE EXISTING DOOR FRAMES TO RECEIVE SPECIFIED & SCHEDULED DOOR HARDWARE. PROPERLY SEAL AND COVER EXISTING HOLES THAT WILL NOT BE REUSED WITH BONDO-ULTIMATE FILLER. PROPERLY SAND AND FINISH DOOR FRAME, PAINT ENTIRE DOOR FRAME WITH ICI PAINT A1700-MIDNIGHT HOUR, TO MATCH EXISTING.
2. REMOVE AND INSTALL NEW SPECIFIED DOOR THRESHOLDS, PROPERLY SET IN FULL-BED OF SEALANT AND PROPERLY FASTEN TO FOUNDATION SLAB.
3. PROVIDE AND INSTALL SPECIFIED & SCHEDULED SEALS AND GASKETS, ENSURE THERE ARE NO AIR/LIGHT LEAKS AT FULL PERIMETER OF DOOR TO DOOR FRAME CONDITIONS, INCLUDING THRESHOLDS.

KEYED REPLACEMENT NOTES:

1. EXISTING DOOR(S) AND DOOR FRAME TO REMAIN, REPLACE DOOR HARDWARE AS SPECIFIED & SCHEDULED.
2. EXISTING DOOR(S) TO BE REPLACED WITH NEW DOOR AND DOOR HARDWARE AS SPECIFIED & SCHEDULED.
3. EXISTING DOOR HARDWARE TO BE REPLACED WITH NEW DOOR HARDWARE AS SPECIFIED & SCHEDULED; DOOR TO BE REPLACED IF NEW HARDWARE IS NOT COMPATIBLE WITH EXISTING HARDWARE BORINGS AND FASTENER LOCATIONS.

A1 EXISTING PARTIAL FLOOR PLAN
SCALE: 3/32"=1'-0"

NORTH PLAN

rofa architects
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CONSULTANTS:

REGISTERED ARCHITECT LUIS A. FIGUEROA 12856 STATE OF TEXAS
12.15.15

NO.	DATE	DESCRIPTION

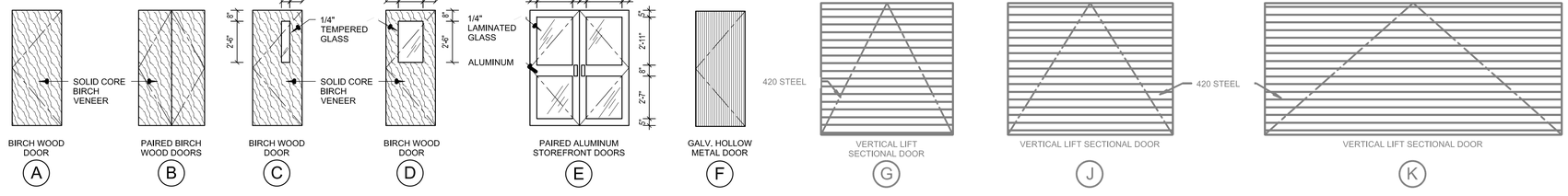
SANTA ROSA I.S.D.
CAFETERIA & FINE ARTS BUILDING
DOOR & HARDWARE REPLACEMENT
SANTA ROSA TEXAS

PROJECT NO:	2014.08 R
DATE:	SEPT. 14, 2015
STARTING DATE:	OCT. 27, 2015
CK BY: MTZ	DWN BY: MM

AE100

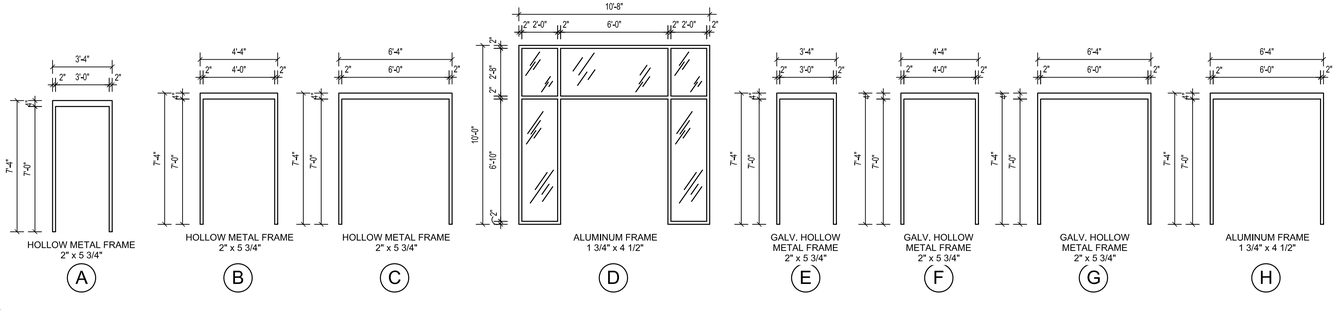
EXISTING DOOR SCHEDULE

DOOR NO.	DOOR TYPE	DOOR MATERIAL	DOOR NOMINAL SIZE NO.	WIDTH	HEIGHT	THICK.	DOOR GLASS	FRAME TYPE	FRAME MATERIAL	FRAME SECTIONS HEAD	JAMB	SILL	REMARKS
100A	E	ALUMINUM	2	3' - 0"	7' - 0"	0' - 1 3/4"	1/4" LAMINATED	D	ALUMINUM				
100B	E	ALUMINUM	2	3' - 0"	7' - 0"	0' - 1 3/4"	1/4" LAMINATED	D	ALUMINUM				
103	A	WOOD	1	3' - 0"	7' - 0"	0' - 1 3/4"	- -	A	HOLLOW METAL				
104	A	WOOD	1	3' - 0"	7' - 0"	0' - 1 3/4"	- -	A	HOLLOW METAL				
107	C	WOOD	1	3' - 0"	7' - 0"	0' - 1 3/4"	1/4" TEMEPERED	A	HOLLOW METAL				
107A	A	WOOD	1	3' - 0"	7' - 0"	0' - 1 3/4"	- -	A	HOLLOW METAL				
108	D	WOOD	2	3' - 0"	7' - 0"	0' - 1 3/4"	1/4" TEMEPERED	C	HOLLOW METAL				
110A	C	WOOD	1	3' - 0"	7' - 0"	0' - 1 3/4"	1/4" TEMEPERED	A	HOLLOW METAL				SOUND DOOR KIT
110B	C	WOOD	1	4' - 0"	7' - 0"	0' - 1 3/4"	- -	B	HOLLOW METAL				SOUND DOOR KIT
112	C	WOOD	1	3' - 0"	7' - 0"	0' - 1 3/4"	1/4" TEMEPERED	A	HOLLOW METAL				SOUND DOOR KIT
113	C	WOOD	1	3' - 0"	7' - 0"	0' - 1 3/4"	1/4" TEMEPERED	A	HOLLOW METAL				SOUND DOOR KIT
114	A	WOOD	1	3' - 0"	7' - 0"	0' - 1 3/4"	- -	A	HOLLOW METAL				SOUND DOOR KIT
115	E	ALUMINUM	2	3' - 0"	7' - 0"	0' - 1 3/4"	1/4" LAMINATED	H	ALUMINUM				
116	A	WOOD	1	4' - 0"	7' - 0"	0' - 1 3/4"	- -	B	HOLLOW METAL				NON RATED - SMOKE RESISTANT
117	C	WOOD	1	3' - 0"	7' - 0"	0' - 1 3/4"	1/4" TEMEPERED	A	HOLLOW METAL				
118	A	WOOD	1	3' - 0"	7' - 0"	0' - 1 3/4"	- -	A	HOLLOW METAL				NON RATED - SMOKE RESISTANT
119A	C	WOOD	1	3' - 0"	7' - 0"	0' - 1 3/4"	1/4" TEMEPERED	A	HOLLOW METAL				
119B	G	420 STEEL	1	8' - 0"	8' - 0"	0' - 1 3/4"	- -	- -	PER MANUFACTURER				
120	C	WOOD	1	3' - 0"	7' - 0"	0' - 1 3/4"	1/4" TEMEPERED	A	HOLLOW METAL				SOUND DOOR KIT
121	C	WOOD	1	3' - 0"	7' - 0"	0' - 1 3/4"	1/4" TEMEPERED	A	HOLLOW METAL				SOUND DOOR KIT
122	C	WOOD	1	3' - 0"	7' - 0"	0' - 1 3/4"	1/4" TEMEPERED	A	HOLLOW METAL				SOUND DOOR KIT
123	C	WOOD	1	3' - 0"	7' - 0"	0' - 1 3/4"	1/4" TEMEPERED	A	HOLLOW METAL				SOUND DOOR KIT
124	C	WOOD	1	3' - 0"	7' - 0"	0' - 1 3/4"	1/4" TEMEPERED	A	HOLLOW METAL				SOUND DOOR KIT
125A	A	WOOD	1	3' - 0"	7' - 0"	0' - 1 3/4"	- -	A	HOLLOW METAL				
125B	A	WOOD	1	3' - 0"	7' - 0"	0' - 1 3/4"	- -	A	HOLLOW METAL				
126	A	WOOD	1	3' - 0"	7' - 0"	0' - 1 3/4"	- -	A	HOLLOW METAL				
128	A	WOOD	1	3' - 0"	7' - 0"	0' - 1 3/4"	- -	A	HOLLOW METAL				
129A	A	WOOD	1	3' - 0"	7' - 0"	0' - 1 3/4"	- -	A	HOLLOW METAL				
129B	A	WOOD	1	3' - 0"	7' - 0"	0' - 1 3/4"	- -	A	HOLLOW METAL				
131	A	WOOD	1	3' - 0"	7' - 0"	0' - 1 3/4"	- -	A	HOLLOW METAL				NON RATED - SMOKE RESISTANT
132A	A	WOOD	1	3' - 0"	7' - 0"	0' - 1 3/4"	- -	A	HOLLOW METAL				NON RATED - SMOKE RESISTANT
132B	G	420 STEEL	1	8' - 0"	8' - 0"	0' - 1 3/4"	- -	- -	PER MANUFACTURER				NON RATED - SMOKE RESISTANT
132C	F	GALV. HOLLOW METAL	1	3' - 0"	7' - 0"	0' - 1 3/4"	- -	E	HOLLOW METAL				
132D	G	420 STEEL	1	8' - 0"	8' - 0"	0' - 1 3/4"	- -	- -	PER MANUFACTURER				
133	A	WOOD	1	3' - 0"	7' - 0"	0' - 1 3/4"	- -	A	HOLLOW METAL				NON RATED - SMOKE RESISTANT
134	A	WOOD	1	3' - 0"	7' - 0"	0' - 1 3/4"	- -	A	HOLLOW METAL				
135	A	WOOD	1	3' - 0"	7' - 0"	0' - 1 3/4"	- -	A	HOLLOW METAL				
136	A	WOOD	1	3' - 0"	7' - 0"	0' - 1 3/4"	- -	A	HOLLOW METAL				
137	F	GALV. HOLLOW METAL	2	3' - 0"	7' - 0"	0' - 1 3/4"	- -	G	GALV. HOLLOW METAL				
139A	C	WOOD	1	3' - 0"	7' - 0"	0' - 1 3/4"	- -	A	HOLLOW METAL				
139B	C	WOOD	1	3' - 0"	7' - 0"	0' - 1 3/4"	- -	A	HOLLOW METAL				
139C	A	WOOD	1	3' - 0"	7' - 0"	0' - 1 3/4"	- -	A	HOLLOW METAL				1 HOUR FIRE RATED DOOR
139D	G	420 STEEL	1	8' - 0"	8' - 0"	0' - 1 3/4"	- -	- -	PER MANUFACTURER				1 HOUR FIRE RATED DOOR
140A	C	WOOD	2	3' - 0"	7' - 0"	0' - 1 3/4"	1/4" TEMEPERED	C	HOLLOW METAL				1 HOUR FIRE RATED DOOR
140B	E	ALUMINUM	2	3' - 0"	7' - 0"	0' - 1 3/4"	- -	H	ALUMINUM				
140C	A	WOOD	1	3' - 0"	7' - 0"	0' - 1 3/4"	- -	A	HOLLOW METAL				
141	A	WOOD	2	3' - 0"	7' - 0"	0' - 1 3/4"	- -	C	HOLLOW METAL				NON RATED - SMOKE RESISTANT
142	J	420 STEEL	1	18' - 0"	8' - 0"	0' - 1 3/4"	- -	- -	PER MANUFACTURER				
143	A	WOOD	1	3' - 0"	7' - 0"	0' - 1 3/4"	- -	A	HOLLOW METAL				INSTALL FRAME FLUSH TO WALL TO ALLOW FOR 180 DEG. DOOR OPENING
144A	H	420 STEEL	1	10' - 0"	8' - 0"	0' - 1 3/4"	- -	- -	PER MANUFACTURER				
144B	A	WOOD	1	3' - 0"	7' - 0"	0' - 1 3/4"	- -	A	HOLLOW METAL				INSTALL FRAME FLUSH TO WALL TO ALLOW FOR 180 DEG. DOOR OPENING
149	D	WOOD	1	3' - 0"	7' - 0"	0' - 1 3/4"	1/4" TEMEPERED	A	HOLLOW METAL				
150	D	WOOD	1	3' - 0"	7' - 0"	0' - 1 3/4"	1/4" TEMEPERED	A	HOLLOW METAL				
151	A	WOOD	1	3' - 0"	7' - 0"	0' - 1 3/4"	- -	A	HOLLOW METAL				
152	A	WOOD	1	3' - 0"	7' - 0"	0' - 1 3/4"	- -	A	HOLLOW METAL				
153	A	WOOD	1	3' - 0"	7' - 0"	0' - 1 3/4"	- -	A	HOLLOW METAL				
154	F	GALV. HOLLOW METAL	1	4' - 0"	7' - 0"	0' - 1 3/4"	- -	F	GALV. HOLLOW METAL				PROVIDE PEEP-HOLE OR VIEWER AT 5'-0" A.F.F.
155A	- -	AS PER MANUFACTURER	1	3' - 0"	7' - 0"	0' - 1 3/4"	- -	- -	PER MANUFACTURER				
155B	- -	AS PER MANUFACTURER	1	3' - 0"	7' - 0"	0' - 1 3/4"	- -	- -	PER MANUFACTURER				
156	- -	AS PER MANUFACTURER	1	3' - 0"	7' - 0"	0' - 1 3/4"	- -	- -	PER MANUFACTURER				
157	C	WOOD	1	3' - 0"	7' - 0"	0' - 1 3/4"	- -	A	HOLLOW METAL				NON RATED - SMOKE RESISTANT
158	F	GALV. HOLLOW METAL	2	3' - 0"	7' - 0"	0' - 1 3/4"	- -	G	GALV. HOLLOW METAL				
200	E	ALUMINUM	2	3' - 0"	7' - 0"	0' - 1 3/4"	1/4" LAMINATED	H	ALUMINUM				HEAD, JAMB, AND SILL DETAILS SIMILAR - EXCEPT W/ 8" CMU WALL, NOT 12"
201	F	GALV. HOLLOW METAL	1	4' - 0"	7' - 0"	0' - 1 3/4"	- -	G	GALV. HOLLOW METAL				PROVIDE PEEP-HOLE OR VIEWER AT 5'-0" A.F.F.



D1 EXISTING DOOR TYPES

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



A1 EXISTING DOOR FRAME TYPES

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

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12.15.15

NO.	DATE	DESCRIPTION

SANTA ROSA I.S.D.
CAFETERIA & FINE ARTS BUILDING
DOOR & HARDWARE REPLACEMENT
SANTA ROSA TEXAS

PROJECT NO:	2014.08 R
DATE:	SEPT. 14, 2015
STARTING DATE:	OCT. 27, 2015
CK BY: MTZ	DWN BY: MM

AE601