

### <u>Architect</u>

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## <u>Owner</u>

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# Exterior Renovations and ADA Upgrade for TRI CITY NATIONAL BANK 201 East Sunset Drive Waukesha, Wisconsin 52189

<u>Date</u>

Review Set February 12, 2018





2 PROJECT LOCATION

### **DIVISION 1 GENERAL** CONDITIONS

- I. Provide products complete with accessories, trim, finish, and other devices and components needed for a complete installation and the intended use and effect
- B. Select products to comply with all of the following that are applicable: 1. Where only a single product or manufacturer is named, provide the item indicated. No substitutions will be permitted.
- 2. Where two or more products or manufacturers are named, provide one of the items indicated. No substitutions will be permitted. 3. Where products or manufacturers are specified by name, accompanied by the
- term "available products" or "available manufacturers," provide one of the named items or comply with provisions for "comparable product" to obtain approval for use of an unnamed product or manufacturer. 4. Where a single product is named as the "basis-of-design" together with the
- names of other manufacturers, provide the named product or comply with provisions for "comparable product submittal" to obtain approval for use of a product of one of the other named manufacturers.
- 5. Where a product is described with required characteristics, provide a product that complies with those characteristics.
- 6. Where compliance with performance requirements is specified, provide products
- that comply and are recommended in writing by the manufacturer for the application. 7. Where compliance with codes, regulations, or standards, is specified, select a product that complies with the codes, regulations, or standards referenced.
- C. Unless otherwise indicated, Architect will select color, pattern, and texture of each product from manufacturer's full range of options that includes both standard and premium items.

END OF SECTION OI 600

### CONSTRUCTION NOTES APPLIES TO ALL CONTRACTORS

- A. ALL CONTRACTORS SHALL COORDINATE WORK WITH LANDLORD'S STANDARDS FOR WORK B. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND PAY ALL REQUIRED FEES.
- C. CONTRACTOR SHALL GUARANTEE ALL LABOR AND MATERIALS FOR ONE (1) YEAR. D. CONTRACTOR SHALL SUPERVISE AND DIRECT ALL WORK USING HIS BEST SKILL AND ATTENTION. CONTRACTOR SHALL BE SOLEY RESPONSIBLE FOR ALL CONSTRUCTION MEANS AND METHODS TECHNIQUES AND SEQUENCES OF PROCEDURES, FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
- CONTRACTOR SHALL EXAMINE SITE, FIELD VERIFY ALL DIMENSIONS AND FIELD CONDITIONS PRIOR TO SUBMITTAL OF BID. COORDINATE ALL SITE VISITS W/ THE BUILDING OWNER/TENANT CONTRACTOR SHALL BECOME FAMILAR WITH CONDITIONS AFFECTING THE WORK PRIOR TO BEGINNING OF WORK.
- DIMENSIONS INDICATED IN CONTRACT DOCUMENTS SHALL GOVERN. DO NOT SCALE DRAWINGS. CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO THE CONTINUATION OF WORK
- G. IN CASE OF OF CONFLICT BETWEEN DRAWINGS, LARGER SCALE DRAWINGS SHALL TAKE PRECEDENCE OVER SMALLER SCALE DRAWINGS. DEFINITIONS
- I. "ALIGN" SHALL MEAN TO ACCURATELY LOCATE FINISH FACES IN THE SAME PLANE. 2. "SIMILAR" MEANS COMPARABLE CHARACTERISTICS FOR THE CONDITION NOTED. VERIFY DIMENSIONS AND ORIENTATION ON PLANS AND ELEVATIONS.

### PATCHING AND CUTTING **APPLIES TO ALL CONTRACTORS**

- . GENERAL: AT ALTERED CONSTRUCTION, REPAIR CUT EDGES, REPLACE CONSTRUCTION AND FIT NEW TO EXISTING CONSTRUCTION AS REQUIRED TO MATCH EXISTING WORK. MAKE JOINTS OF NEW AND EXISTING PATCHES SMOOTH, AND EVEN. PREPARE WALL FOR NEW FINISHES. SEE ROOM FINISH SCHEDULE
- ALL FLOOR PENETRATIONS MUST MAINTAIN THE 2 HOUR FIRE CODE RATING. WHERE NEW PAINT OR OTHER FINISHES ARE JOINED, CARRY TO NEAREST BREAK IN SURFACES, CORNER, OR OTHER BREAK IN CONSTRUCTION AS REQUIRED FOR
- CONTINUOUS FINISHED APPEARANCE. CONCRETE: WHERE FLOORS REQUIRE LEVELING, PROVIDE MINIMUM 2,500 PSI PORTLAND CEMENT. COAT CONCRETE JOINED WITH NEW CONCRETE WITH CONCRETE BOND: MIX AND APPLY IN STRICT ACCORDANCE WITH MANUFACTURER'S
- RECOMMENDATIONS FOR THE CONDITIONS OF THE APPLICATION. DOORS AND FRAMES: CAREFULLY REMOVE DOORS FROM FRAMES AND REMOVE FRAMES FROM OPENING, AVOID DAMAGE. REMOVE HARDWARE, AND STORE PER OWNER INSTRUCTIONS. REPAIR AND REWORK FRAMES AND DOORS AS REQUIRED FOR REINSTALLATION WHERE INDICATED. FOR DOORS AND FRAMES TO BE SALVAGED, CAREFULLY REMOVE FROM OPENING AND DELIVER FOR STORAGE AS DIRECTED BY OWNER.

# ELECTRICAL NOTES

- A. ELECTRICAL SHALL BE DESIGN BUILD. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING SEPARATE PERMIT. FEE FOR PERMIT SHALL BE INCLUDED IN BID. ELECTRICAL WORK SHALL BE DESIGNED AND BUILT IN ACCORDANCE WITH THE FOLLOWING:
  - IBC 2009 IEBC 2009
- IEC 2009 SPS 361-366
- ELECTRICAL DEVICES AND ALL WIRING FOR ELECTRICAL OUTLETS, CONTROL DEVICES, OR OTHER ELECTRICAL DEVICES SHALL BEAR APPROVAL OF UNDERWRITER'S
- LABORATORIES AND SHALL BE RATED FOR PLENUM CEILING
- ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING ELECTRICA REQUIREMENTS FOR THE SCOPE OF THE WORK AND THAT ADEQUATE POWERIS AVAILABLE TO THE MODIFIED SPACES. ACCOMMODATE REVISED AREAS. WORK SHALL
- INCLUDE BUT IS NOT LIMITED TO: I. PROVIDE EXTERIOR LIGHTING IN NEW CANOPY
- 2. COORDINATE ELECTRICAL REQUIREMENTS OF ALL SIGNAGE 3. SUBMITTING LIGHTING CALCULATIONS ARE REQUIRED
- 4. SUBMITTING EMERGENCY LIGHTING PLANS AS REQUIRED
- ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE SUBMITTAL OF LIGHTING CALCULATIONS. SHOULD COMPLIANCE WITH COMM CHAPT 63 REQUIRE A REVISION
- TO THE PROPOSED LAYOUT THE CONTRACTOR SHALL COORDINATE WITH THE ARCHITECT ELECTRICAL ITEMS ARE SHOWN FOR LOCATION ONLY. ELECTRICAL SUBCONTRACTOR
- SHALL BE RESPONSIBLE FOR CIRCUITING AND SWITCHING IN ACCORDANCE WITH CODE INDICATED DIMENSIONS ARE TO THE CENTERLINE OF THE RECEPTACLE OR CLUSTER OF RECEPTACLES. UNLESS OTHERWISE NOTED. WHERE ELECTRICAL RECEPTACLES.
- TELEPHONE/DATA RECEPTACLES, ETC. ARE SHOWN ADJACENT, LOCATE AS CLOSELY AS POSSIBLE AT DIMENSION LINES SHOWN. STANDARD ELECTRICAL WALL RECEPTACLES SHALL BE MOUNTED VERTICALLY, AT
- 18" MIN. ABOVE UNFINISHED FLOOR TO CENTER OF BOX UNLESS OTHERWISE NOTED
- RECEPTACLES SHALL NOT BE INSTALLED BACK TO BACK.
- PROVIDE EMERGENCY LIGHTING AND ILLUMINATED EXIT SIGNS AS REQUIRED BY THE STATE OF WISCONSIN AND LOCAL OFFICIALS.
- ALL CEILING FIXTURES AND WIRING FOR LIGHT FIXTURES, EXIT SIGNS, OR OTHER ELECTRICAL DEVICES SHALL BE U.L. APPROVED AND SHALL BE INSTALLED IN RIGID CONDUIT
- LIGHT FIXTURES: SUBMITTALS FOR ALL LIGHT FIXTURES INCLUDING SPECIFICATIONS AND LOCATIONS ARE REQUIRED FOR APPROVAL BY OWNER PRIOR TO PURCHASE OF
- MATERIALS/FIXTURES. ALL FIXTURES TO MEET LANDLORD STANDARDS. LIGHT FIXTURE PLACEMENT MAY BE ADJUSTED FOR UNIFORM LIGHT LEVELS SUBJECT TO APPROVAL BY OWNER.
- M. ALL LIGHT FIXTURES SHALL BE FULLY OPERATIONAL. REPLACE LAMPS, REPAIR BALLAST, AND CLEAN OR REPLACE LENSES AS REQUIRED.
- ELECTRICAL OUTLETS ILLUSTRATED ON ARCHITECTURAL PLANS ARE FOR REFERENCE ONLY.THE ELECTRICAL CONTRACTOR SHALL PROVIDE OUTLETS AS REQUIRED BY CODE AND TO MEET OWNER REQUIREMENTS.
- WHERE WALL MOUNTED PHONE, AND CABLE OUTLETS ARE SHOWN, THE CONTRACTOR SHALL PROVIDE PULL STRINGS AND RINGS. PHONE, DATA AND CABLE
- WIRING AND TERMINATIONS SHALL BE BY TENANT. COORDINATE WITH LANDLORD'S STANDARDS FOR TELEPHONE DATA AND CABLE CONNECTIONS ELECTRICAL CONTRACTOR SHALL SUBMIT PLANS AND SPECIFICATIONS TO OWNER FOR RFVIFW

# STRUCTURAL NOTES

### GENERAL NOTES VERIFY ALL CONDITIONS AND DIMENSIONS IN THE FIELD PRIOR TO FABRICATION OF ANY

- MATERIAL OR PERFORMING ANY WORK. 2. WHERE DRAWINGS AND SPECIFICATIONS LANGUAGE DISAGREE, SPECIFICATIONS SHALL
- TAKE PRECEDENT. 3. LOADS:
- ROOF LOADS: I 6 PSF (DEAD) 30 PSF (LIVE) = 46 PSF (TOTAL) DECK LOADS: 21 PSF (DEAD) 40 PSF (LIVE) = 61 PSF (TOTAL)
- WOOD NOTES I. ALL CONSTRUCTION SHALL BE EXECUTED IN CONFORMANCE WITH THE REQUIREMENTS
- OF THE FOLLOWING
- PLYWOOD: US PRODUCT STANDARDS PS 1-83 SOFT WOOD PLYWOOD STRUCTURE ICDX U.N.O.
- SHEATHING SHALL BE AS FOLLOWS U.N.O.
- ROOF: 5/8" OSB
- 5/8" OSB WALLS: PLYWOOD UNDERLAYMENT: 3/4" TONGUE AND GROOVE. 2. LAY ALL STRUCTURAL PLYWOOD ON ROOF AND FLOORS WITH FACE GRAIN
- PERPENDICULAR TO SUPPORTS UNLESS NOTED OTHERWISE. PROVIDE "H" CLIPS AT MID SPAN BETWEEN AD IOINING SHEETS
- 3. PRESSURE T REATED DOUGLAS FIR 1988 UBC STANDARD NO. 25-12 4. ALL STRUCTURAL WOOD SHALL CONFORM WITH THE FOLLOWING SPECIFICATIONS:
- DOUGLAS FIRE COAST REGION WCLB GRADING RULES #16 BEAMS JOISTS AND POSTS - DF #1 STRUCTURAL
- STUDS AND BLOCKING DF #1 STRUCTURAL U.N.O.
- PLATES DF #1 ALL WOOD IN DIRECT CONTACT WITH EARTH OR CONCRETE SHALL BE PRESSURE TREATED BEARING AND SHEAR WALLS SHALL HAVE DOUBLE TOP PLATE LAPPED AT WALL AND PARTITION INTERSECTION WITH (3) I GD NAILS. STAGGER SPLICES OF UPPER AND LOWER
- TOP PLATES . PROVIDE SOLID BLOCKING BETWEEN JOISTS AND RAFTERS AT ALL SUPPORTS HOLES FOR BLOTS IN WOOD SHALL BE PORED WITH A BIT OF THE SAME NOMINAL
- DIAMETER AS THE BOLT PLUS 1/16" HOLES FOR LAG SCREWS SHALL BE FIRST BORED TO THE SAME NOMINAL DIAMETER AND DEPTH AS THE SHANK AND THE REST NO LARGER THAN THE ROOF OF THE THREAD.
- . LAG SCREWS AND WOOD SCREWS SHALL BE SCREWED AND NOT DRIVEN INTO PLACE.
- SOAP MAY BE USED TO LUBRICATE SCREWS. I. ALL BOLTS AND LAG SCREWS SHALL BE PROVIDED WITH METAL WASHERS UNDER HEADS AND NUTS WHICH BEAR ON WOOD (APPLIES ALSO TO INSERTED EXPANDING FASTENERS,
- RED HEAD ETC). BOLT DIAMETER MACHINE WASHER STELL PLATE WASHER
- 2 3/4"DIA X 1/16" 2 1/2" X 2 1/2"X1/4" 5/8" DIA 3" DIA X 7/16" 3" X 3" X 5/16" 3/4" DIA 7/8" DIA
- 3 1/2" DIA X 7/16" 3 1/2" X 3 1/2" X 3/8" I " DIA 4" DIA X 1/2" 3 3/4" X 3 3/4" X 3/8"
- I 2. ALL BOLTS AND LAG SCREWS SHALL BE TIGHTENED ON INSTALLATION AND RETIGHTED BEFORE CLOSING IN OR AT THE COMPLETION OF THE JOB (IF EXPOSED)
- 13. CONNECTOR HARDWARE MODEL NUMBERS ARE THOSE FOR THE SIMPSON STRONG TIE COMPANY. EQUIVALENT CONNECTORS WITH I.C.B.O. ACCEPTANCE MAY BE SUBSTITUTED. ALL JOIST HANGERS HSALL BE SIMPSON U STANDARD UNLESS NOTED OTHERWISE. I 4. ALL NAILS FOR STRUCTURAL WORK SHALL BE COMMON WIRE NAILS CONFORMING TO THE
- FOLLOWING MINIMUM SIZES: 8D 0.131" DIAMETER X 2 1/2" IOD 0.148" DIAMETER X 3"
- I ODSHORTS 0.148" DIAMETER X 1 5/8" + THICKNESS OF SPLICE 16D 0.162" DIAMETER X 3 1/2"
- 0.192" DIAMETER X 4" 20D 15. HOLES SHALL BE PRE-DRILLED WHERE NECESSARY TO PREVENT SPLITTING. NAILING
- PATTERNS AND SCHEDULES SHALL BE IN ACCORDANCE WITH THE IBC 2009 WISCONSIN ENROLLED VERSION TABLE 2304.9.1 "FASTENING SCHEDULE" TRUSS NOTES
- TRUSS MANUFACTURER SHALL VERIFY ALL DIMENSIONS WITH THE ARCHITECT'S DRAWING AND IN THE FIELD.
- LOCATIONS OF TRUSS GIRDERS AND HIP TRUSSES SHALL BE REVIEWED BY THE ARCHITECT PRIOR TO FABRICATION OF ANY MATERIAL TRUSS DESIGNER SHALL VERIFY ADEQUACY OF ALL TRUSS, AND GIRDER TRUSS BEARING AREAS. TRUSS DESIGNER SHALL NOTIFY THE ARCHITECT IF INSUFFICIENT AREA IS CALLED
- FOR. 4. SUBMIT TRUSS DESIGN SHOP DRAWINGS FOR ARCHITECT'S REVIEW PRIOR TO FABRICATION
- ANY MATERIAL. 5. UNLESS NOTED OTHERWISE ALL FLOOR TRUSSES SHALL BE SPACED AT 16" OC MAX AND
- SHALL BE BOTRTOM CHORD BEARING 6. ALL TRUSSES SHALL BE MANUFACTURED WITH GRADE 4X21 1950F 1.7E MRS OR BETTER.
- CONCRETE NOTES
- . ALL CONCRETE WALLS SHALL BE 4000 PSI IN 28 DAYS 2. CONCRETE SLABS SHALL BE 4000 PSF IN 28 DAYS.
- 3. REINFORCEMENT FOR CONCRETE WALLS SHALL BE ASTM AG 15 GR 60 4. REINFORCEMENT FOR SLABS ON GRADE SHALL BE WWM 66 1.4 X 1.4 MID THICKNESS OF | SLAB.



# SHEET INDEX

Sheet	
Number	Sheet Name
T1	SHEET INDEX AND GENERAL NOTES
C1	LANDSCAPING PLANS
C2	PAVING PLANS
A1	OVERALL PLAN AND TELLER LINE PLANS
A2	CANOPY PLANS AND DETAILS
A3	ROOF PLANS
A4	NORTH ELEVATIONS
A5	WEST ELEVATIONS
A6	SPECIFICATIONS

### Exterior Renovations for **TRI CITY NATIONAL** BANK

201 East Sunset Drive Waukesha, Wisconsin



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# **BUILDING DATA**

VERSION, LATEST EDITION WISCONSIN SPS 361-366

INTERNATIONAL EXISTING BUILDILNG CODE

B EDUCATIONAL (NO SEPARATION REQUIRED)

INTERNATIONAL BUILDING CODE, WISCONSIN ENROLLED

### APPLICABLE CODES . BUILDING CODE

. ZONING CODE

ZONING USE

CURREN

PROPOSED

CONSTRUCTION EXTENT

PROJECT INFORMATION

TENANT SQUARE FOOTAGE

PROPOSED OCCUPANCY INCIDENTAL USE PREVIOUS OCCUPANCY

ZONING CLASSIFICATION

WAUKESHA COMMERCIAL OFFICE

**B BUSINESS** 

B BUSINESS

-NO CHANGE-

CAPACITY OF BUILDING -NO CHANGE-OFFICE PLUMBING REQUIREMENTS - NO CHANGE-

EXTERIOR + ADA UPGRADE AT TELLER LINE

IEBC CLASSIFICATION OF WORK: ALTERATION LEVEL I

RELEVIANT CHAPTERS OF IEBC CHAPTER G

602.1-4 BUILDING ELEMENTS AND MATERIALS NO CHANGE REQUIRED 603.1 FIRE PROTECTION 604.1 MEANS OF EGRESS 605.1 ACCESSIBILITY: 606 STRUCTURAL ENERGY CONSERVATION 607

NO CHANGE REQUIRED NO CHANGE REQUIRED NEW SERVICE COUNTER TO MEET ANSI 117 REQUIREMENTS N/A N/A











Sheet Number PAVING PLANS

C2

Date Project Number: 02/12/18 176006







Date Project Number:





3 SECTION DETAIL - NORTH PEDIMENT 1" = 1'-0"



Sheet Number ROOF PLANS



Date Project Number:





2 PROPOSED ELEVATION - NORTH 1/4" = 1'-0"

FIRST FLOOR 100' - 0"

REMOVE ROOF AT BAY
INFILL WITH COMPOSITE
BOARDS TO NEW SOFFIT

NEW COMPOSITE
BOARDS FRAME OFF
EXISTING WINDOW BOX

FIRST FLOOR 100' - 0"





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Sheet Number NORTH ELEVATIONS



Date Project Number:



1 EXISTING ELEVATION - WEST 1/4" = 1'-0"





- 3/4" COMPOSITE TRIM

1/2" COMPOSITE SOFFIT PANEL

- 1/2" COMPOSITE BOARD

- WALL ASSEMBLY

TRI CITY NATIONAL 201 East Sunset Drive Waukesha, Wisconsin

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Sheet Number WEST ELEVATIONS

A5

Date Project Number:

### **DIVISION 2** SITE WORK

### SECTION 02230 - SITE CLEARING 1.1 SECTION REQUIREMENTS

- A. Traffic: Minimize interference with adjoining roads, streets, walks, and other adjacent
- occupied or used facilities during site-clearing operations B. Salvable Improvements: Carefully remove items indicated to be salvaged and store on
- Owner's premises where indicated. C. Notify utility locator service for area where Project is located before site clearing.
- 1.2 PREPARATION
- A. Protect and maintain benchmarks and survey control points from disturbance.
- Install erosion and sedimentation control measures before site clearing. Protect site improvements to remain from damage. Restore damaged improvements to condition existing before start of site clearing.
- Locate and clearly flag trees and vegetation to remain or to be relocated.
- Protect remaining trees and shrubs from damage and maintain vegetation. Employ a licensed arborist to repair tree and shrub damage. Restore damaged vegetation.
- Replace damaged trees that cannot be restored to full growth, as determined by arborist. Do not store materials or equipment or permit excavation within drip line of remaining trees. G. Locate, identify, disconnect, and seal or cap off utilities indicated to be removed. 1.3 SITE CLEARING
- A. Strip topsoil. Stockpile topsoil that will be reused in the Work.
- B. Remove obstructions, trees, shrubs, grass, and other vegetation to permit installation of new construction. Removal includes digging out stumps and obstructions and grubbing roots.
- Remove existing above- and below-grade improvements as indicated and as necessary to
- facilitate new construction
- Remove slabs, paving, curbs, gutters, and aggregate base as indicated. In areas not to be further excavated, fill depressions resulting from site clearing. Place and compact satisfactory soil materials in 6-inch- thick layers to density of surrounding
- original ground. Dispose of waste materials, including trash, debris, and excess topsoil, off Owner's property. Burning waste materials on-site is not permitted.

### END OF SECTION 02230

### SECTION 02300 - EARTHWORK 1 1.1 SECTION REQUIREMENTS

- A. Unauthorized excavation consists of removing materials beyond indicated subgrade elevations or dimensions without direction by Architect. Unauthorized excavation and remedial work shall be at Contractor's expense
- B. Do not interrupt existing utilities serving facilities occupied by Owner. Provide temporary utility services
- 1.2 MATERIALS
- A. Satisfactory Soil: ASTM D 2487 Soil Classification Groups GW, GP, GM, SW, SP, and SM; free of rock or gravel larger than 2 inches in any dimension, debris, waste, frozen materials, vegetation, or other deleterious matter
- B. Unsatisfactory Soil: ASTM D 2487 Soil Classification Groups GC, SC, ML, MH, CL, CH, OL, OH, and PT.
- Backfill and Fill: Satisfactory soil materials.
- Subbase: Naturally or artificially graded mixture of natural or crushed gravel, crushed stone, and natural or crushed sand, ASTM D 2940, with at least 95 percent passing a 1-1/2-in sieve and not more than 8 percent passing a No. 200 sieve.
- Bedding: Subbase materials with 100 percent passing a 1-inch sieve and not more than 8 percent passing a No. 200 sieve. Drainage Fill: Washed, evenly graded mixture of crushed stone, or crushed or uncrushed gravel, ASTM D 448, Size 57, with 100 percent passing a 1-1/2-inch sieve and not more than 5 percent
- passing a No. 8 sieve.
- .3 EARTHWORK
- A. Protect subgrades and foundation soils from softening and damage by water, freezing temperatures, or frost.
- Explosives: Do not use explosives Excavate to subgrade elevations regardless of character of materials and obstructions
- encountered
- D. Excavate for structures, building slabs, pavements, and walkways. Trim subgrades to required lines and grades.
- E. Utility Trenches: Excavate trenches to indicated slopes, lines, depths, and invert elevations. Maintain 12 inches of working clearance on each side of pipe or conduit.
- . Place, compact, and shape bedding course to provide continuous support for pipes and conduits over rock and other unyielding bearing surfaces and to fill unauthorized excavations. 2. Place and compact initial backfill of satisfactory soil material or subbase material, free of particles larger than 1 inch, to a height of 12 inches over the utility pipe or conduit. Place and compact final backfill of satisfactory soil material to final subgrade.
- Plow strip or break up sloped surfaces steeper than 1 vertical to 4 horizontal to receive fill. G. When subgrade or existing ground surface to receive fill has a density less than that required
- for fill, break up ground surface, pulvenze, moisture-condition or aerate soil, and recompact. Place backfill and fill in layers not more than 8 inches in loose depth at optimum moisture content Compact each layer under structures, building slabs, pavements, and walkways to 95 percent of maximum dry unit weight according to ASTM D 698; elsewhere to 90 percent.
- Grade areas to a smooth surface to cross sections, lines, and elevations indicated. Grade lawns, walkways, and unpaved subgrades to tolerances of plus or minus 1-1/4 inch and pavements and areas meet or exceed those indicated. Manufacturer's published values shall be demonstrated by
- Under pavements and walkways, place subbase course material on prepared subgrades and compact at optimum moisture content to required grades, lines, cross sections, and thicknesses. K. Under slabs-on-grade, place drainage fill on prepared subgrade and compact to required cross
- section and thickness Allow testing agency to inspect and test each subgrade and each fill or backfill layer and
- verify compliance with requirements M. Remove surplus satisfactory soil and waste material, including unsatisfactory soil, trash, and debris, and legally dispose of it off Owner's property.

END OF SECTION 02300

### **DIVISION 3** CONCRETE

SECTION 03300 - CAST-IN-PLACE CONCRETE I.I SECTION REQUIREMENTS

- A. Comply with ASTM C 94; ACI 301, "Specification for Structural Concrete"; ACI 117, "Specifications for Tolerances for Concrete Construction and Materials"; and CRSI's "Manual of Standard Practice."
- B. Engage a qualified independent testing agency to design concrete mixes.
- 1.2 MATERIALS A. Deformed Reinforcing Bars: ASTM A 615/A 615M, Grade 60.
- B. Plain Steel Wire: ASTM A 82, as drawn.
- C. Steel Welded-Wire Fabric: ASTM A 185, flat sheets not rolls.
- Portland Cement: ASTM C 150, Type 1 or II. E. Fly Ash: ASTM C 618, Type C or F.
- F. Aggregates: ASTM C 33, uniformly graded.
- G. Air-Entraining Admixture: ASTM C 260.
- H. Water Stops: Flat dumbbell or center-bulb type, of either rubber (CRD C 513) or PVC (CRD C 572) I. Vapor Retarder: Clear I O-mil- thick polyethylene sheet
- J. Joint-Filler Strips: ASTM D 1751, cellulosic fiber, or ASTM D 1752, cork.

I.3 MIXES A. Proportion normal-weight concrete mixes to provide as specified in Structural Drawings:

- 1.4 CONCRETING A. Construct formwork and maintain tolerances and surface irregularities within ACI 117
- limits of Class A for concrete exposed to view and Class C for other concrete surfaces. B. Set water stops where indicated to ensure joint watertightness.
- Place vapor retarder on prepared subgrade, with joints lapped 6 inches and sealed. Accurately position, support, and secure reinforcement.
- Install construction, isolation, and contraction joints where indicated. Install full-depth
- joint-filler strips at isolation joints. F. Place concrete in a continuous operation and consolidate using mechanical vibrating
- G. Protect concrete from physical damage, premature drying, and reduced strength due to hot or cold weather during mixing, placing, and curing.
- H. Formed Surface Finish: Smooth-formed finish for concrete exposed to view, coated, or covered by waterproofing or other direct-applied material; rough-formed finish elsewhere.
- Slab Finishes: Float finish for interior surfaces.
- I. Cure formed surfaces by moist curing for at least seven days. K. Begin curing concrete slabs after finishing. Keep concrete continuously moist for at least

END OF SECTION 03300

seven days L. Owner will engage a testing agency to perform field tests and to submit test reports. M. Protect concrete from damage. Repair surface defects in formed concrete and slabs. N. Repair slabs not meeting surface tolerances by grinding high areas and by applying a repair underlayment to low areas receiving floor coverings and a repair topping to low areas to remain exposed.

**DIVISION 4** MASONRY

- SECTION 04810 UNIT MASONRY ASSEMBLIES I SECTION REQUIREMENTS
- A. Submittals: Samples for decorative concrete masonry units, face brick and colored mortar. B. Comply with ACI 530. I/ASCE G/TMS 602.
- C. Mockups: Construct a sample wall panel approximately long by 48 inches high to demonstrate aesthetic effects and set quality standards for materials and execution. .2 MATERIALS
- A. Concrete Masonry Units: ASTM C 90; Weight Classification, Medium Weight Normal. 1. Special shapes for lintels, corners, jambs, sash, control joints, and other special conditions. 1.3 MORTAR AND GROUT
- A. Mortar: ASTM C 270. See Structural drawings for further requirements I.4 REINFORCEMENT, TIES, AND ANCHORS
- A. See Structural drawings for requirements
- 1.5 EMBEDDED FLASHING MATERIALS A. Rubberized Asphalt Sheet Flashing: Pliable and highly adhesive rubberized asphalt compound, 26 mils thick, bonded to a polyethylene film, 4 mils thick, to produce an overall thickness of
- 30 mils. I.6 MISCELLANEOUS MASONRY ACCESSORIES
- A. Compressible Filler: Premolded strips complying with ASTM D 1056, Grade 2A1.
- B. Preformed Control-Joint Gaskets: Designed to fit standard sash block and to maintain lateral stability in masonry wall; made from styrene-butadiene rubber or PVC.
- C. Weeps: Head joint D. Extruded-Polystyrene Board Insulation: ASTM C 578, Type IV or X. 1.7 INSTALLATION, GENERAL
- A. Cut masonry units with saw. Install with cut surfaces and, where possible, cut edges
- B. Fill cores in hollow concrete masonry units with grout 24 inches under bearing plates, beams, lintels, posts, and similar items, unless otherwise indicated.
- 1 8 PARGING A. Parge predampened masonry walls, where indicated, with Type S or Type N mortar applied
- in two uniform coats with a steel-trowel finish. Form a wash at top of parging and a cove at bottom. Damp cure parging for at least 24 hours. 1.9 CLEANING
- A. Clean masonry as work progresses. Remove mortar fins and smears before tooling joints. B. Final Cleaning: After mortar is thoroughly cured, remove large mortar particles, scrub, and rinse unit masonry
- 1. Wet wall surfaces with water before applying acidic cleaner, then remove cleaner mptly by rinsing thoroughly with clear water. END OF SECTION 04810

### **DIVISION 6** WOODS AND PLASTICS

- SECTION OG I OO ROUGH CARPENTRY
- WOOD PRODUCTS, GENERAL A. Lumber: Provide dressed lumber, 545, 19 percent maximum moisture content for 2-inch nominal thickness or less, marked with grade stamp of inspection agency.
- B. Engineered Wood Products: Acceptable to authorities having jurisdiction and for which current model code research or evaluation reports exist that show compliance with building code in effect for Project.
- IC. Wood Structural Panels: DOC PS 2. Provide plywood complying with DOC PS 1, where plywood is indicated.
- . Comply with "Code Plus" provisions in APA Form No. E30K.
- 1.2 TREATED MATERIALS
- A. Preservative-Treated Materials: AWPA C2 lumber and AWPA C9 plywood, labeled by an Inspection agency approved by ALSC's Board of Review. After treatment, kiln-dry lumber and plywood to 19 and 15 percent moisture content, respectively. Treat indicated items and the
- Wood members in connection with roofing, flashing, vapor barriers, and waterproofing.
- Concealed members in contact with masonry or concrete.
- Wood framing members less than 18 inches above grade.
- Wood floor plates installed over concrete slabs directly in contact with earth. .3 LUMBER Dimension Lumber: The following grades are per inspection agency indicated:
- Non-Load-Bearing Interior Partitions: Construction, Stud, or No. 3.
- Framing Other Than Non-Load-Bearing Partitions: Construction or No. 2. Concealed Boards: 19 percent maximum moisture content: Eastern softwoods: No. 3 Common per NELMA rules
- Aiscellaneous Lumber: Construction, Stud, or No. 3 grade of any species for nailers,
- blocking, and similar members 1.4 ENGINEERED WOOD PRODUCTS

1.5 PANEL PRODUCTS

individually.

. Engineered wood products with allowable design stresses, as published by manufacturer, that comprehensive testina

Glass-Mat Gypsum Wall Sheathing: ASTM C 1177/C 1177M.

Plywood Roof Sheathing: Exterior, Structural I sheathing.

Adhesives for Field Gluing Panels to Framing: APA AFG-01.

Published requirements of metal framing anchor manufacturer.

SECTION 06176 - METAL-PLATE-CONNECTED WOOD TRUSSES

the qualified professional engineer responsible for their preparation.

complying with ASTM A 653/A 653M, G60 coating designation.

Plywood Wall Sheathing: Exterior, Structural I

retardant treated, not less than 1/2 inch thick.

Power-Driven Fasteners: CABO NER-272.

CABO NER-272 for power-driven fasteners.

I.6 MISCELLANEOUS PRODUCTS

where indicated, flat washers.

phalt felt), unperforated.

Building Wrap: Tyvek

.7 INSTALLATION

END OF SECTION OG I OO

. I SECTION REQUIREMENTS

or mechanically.

camber indicated.

that do meet requirements.

less than 0.036 inch thick.

other construction

.2 MATERIALS

1.3 FABRICATION

.4 INSTALLATION

END OF SECTION 06176

complying with ASTM A 153/A 153M].

### **DIVISION 6** WOODS AND PLASTICS

A. Submittals: Samples showing the full range of colors, textures, and patterns available for each

Environmental Limitations: Do not deliver or install woodwork until building is enclosed,

Quality Standard: Architectural Woodwork Institute's "Architectural Woodwork Quality Standards."

SECTION 06402 - INTERIOR ARCHITECTURAL WOODWORK

Particleboard: ANSI A208.1, Grade M-2.

wet work is completed, and HVAC system is operating.

Medium-Density Fiberboard: ANSI A208.2, Grade MD.

SECTION REQUIREMENTS

A. Hardboard: AHA A135.4.

type of finish

.2 MATERIALS

### **DIVISION 7** THERMAL PROTECTION

A. Comply with SMACNA's "Architectural Sheet Metal Manual." Conform to dimensions

Coordinate installation of sheet metal flashing and trim with interfacing and adjoining

A. Aluminum Sheet: ASTM B 209, Alloy 3003, 3004, 3105, or 5005, temper suitable

1. Fluoropolymer 2-Coat System: Manufacturer's standard system with topcoat

A. Fabricate sheet metal flashing and trim to comply with recommendations of SMACNA's

A. General: Provide materials and types of fasteners, solder, welding rods, protective

B. Butyl Sealant: ASTM C 1311, solvent-release type, for expansion joints with limited

Roofing Cement: ASTM D 4586, Type I, asbestos free, asphalt based.

A. Comply with SMACNA's "Architectural Sheet Metal Manual." Allow for thermal

expansion; set true to line and level. Install Work with laps, joints, and seams

permanently watertight and weatherproof: conceal fasteners where possible.

I. Roof-Edge Flashings: Secure metal flashings at roof edges according to

Sealed Joints: Form nonexpansion, but movable, joints in metal to accommodate

FMG Loss Prevention Data Sheet 1-49 for specified wind zone.

"Architectural Sheet Metal Manual" that apply to the design, dimensions, metal, and

coatings, separators, sealants, and other miscellaneous items as required for complete

containing not less than 70 percent polyvinylidene fluoride resin by weight;

for forming and structural performance required, but not less than HI4; not less than

and profiles shown unless more stringent requirements are indicated.

construction to provide a leakproof, secure, and noncorrosive installation.

SECTION 07620 - SHEET METAL FLASHING AND TRIM

0.032 inch thick; and finished as follows:

complying with AAMA 2604.

other characteristics of the item indicated.

sheet metal flashing and trim installation.

1.1 SECTION REQUIREMENTS

.3 FLASHING AND TRIM

movement

1.4 ACCESSORIES

I.5 INSTALLATION

1.2 SHEET METAL

Telephone and Electrical Equipment Backing Panels: Plywood, Exposure I, C-D Plugged, fire-

A. Fasteners: Size and type indicated. Where rough carpentry is exposed to weather, in ground contact, or in area of high relative humidity, provide fasteners with hot-dip zinc coating

. Bolts: Steel bolts complying with ASTM A 307, Grade A with ASTM A 563 hex nuts and,

B. Metal Framing Anchors: Hot-dip galvanized steel of structural capacity, type, and size Building Paper: Asphalt-saturated organic felt complying with ASTM D 226, Type I (No. 15

Sill-Sealer: Glass-fiber insulation, 1-inch thick, compressible to 1/32 inch.

A. Set rough carpentry to required levels and lines, with members plumb, true to line, cut, and

fitted. Locate nailers, blocking, and similar supports to comply with requirements for attaching B. Securely attach rough carpentry to substrates, complying with the following:

A. Structural Performance: See Structural drawings for full requirements. B. Submittals: Product Data, Shop Drawings, and structural analysis data signed and sealed by

A. Lumber: DOC PS 20 and applicable rules of lumber grading agencies certified by the American Lumber Standards Committee Board of Review, any species, graded visually

B. Connector Plates: TPI I, fabricated from hot-dip galvanized steel sheet complying with ASTM A 653/A 653M, G60 coating designation; Designation SS, Grade 33, and not

C. Fasteners: Where trusses are exposed to weather, in ground contact, or in area of high relative humidity, provide fasteners with hot-dip zinc coating complying with ASTM A 153/A 153M. D. Metal Framing Anchors: Provide framing anchors made from hot-dip, zinc-coated steel sheet

A. Assemble trusses using jigs or other means to ensure uniformity and accuracy of assembly with joints closely fitted to comply with tolerances in TPI 1. Position members to produce design

A. Install and brace trusses according to requirements set forth in Structural Drawings B. Remove wood trusses that are damaged or do not meet requirements and replace with trusses

	υ.	Hardwood Plywood and Face Veneers: HPVA HP-1.
	E.	High-Pressure Decorative Laminate: NEMA LD 3.
3	CAE	BINET HARDWARE AND ACCESSORY MATERIALS
	Α.	Hardware Standards: Comply with BHMA A156 series standards.
	Β.	Exposed Hardware Finishes: Comply with BHMA A156.18 for BHMA code number indicated.
	C	Furring Blocking Shims and Hanging Strips: Softwood or hardwood lumber, kiln dried to
	0.	15 percent moisture content
4	INTE	ERIOR WOODWORK
	Α.	Complete fabrication before shipping to Project site to maximum extent possible. Disassemble
		only as needed for shipping and installing. Where necessary for fitting at Project site, provide
		scribing and trimming.
	Β.	Backout or groove backs of flat trim members, kerf backs of other wide, flat members, except
		for members with ends exposed in finished Work.
	С.	Interior Standing and Running Trim for Transparent Finish: Premium grade, made from species
		and cut to match existing
	D.	Laminate-Clad Cabinets (Plastic-Covered Casework): Premium grade.
		I. Laminate Cladding: Horizontal surfaces other than tops, HGS; postformed surfaces, HGP;
		vertical surfaces, HGS; Edges, HGS; semiexposed surfaces, VGS
	E.	Plastic-Laminate Countertops: Premium grade.
		I. Laminate Grade: HGS for flat countertops, HGP for post-formed countertops.

2. Grain Direction: Parallel to cabinet fronts. 3. Edge Treatment: Same as laminate cladding on horizontal surfaces. I.5 INSTALLATION

A. Condition woodwork to prevailing conditions before installing.

### Install woodwork to comply with [AWI Section 1700] [WIC Section 26] for grade specified. Install woodwork level, plumb, true, and straight. Shim as required with concealed shims. Install to a tolerance of 1/8 inch in 96 inches (3 mm in 2400 mm) for level and plumb. Scribe and cut woodwork to fit adjoining work, seal cut surfaces, and repair damaged finish at cuts. SECTION 07920 - JOINT SEALANTS Install trim with minimum number of joints possible, using full-length pieces to greatest extent possible. Stagger joints in adjacent and related members.

Anchor countertops securely to base units. Seal space between backsplash and wall. Anchor paneling to supports with concealed panel-hanger clips and by blind nailing on back-up strips, splined-connection strips, and similar associated trim and framing.

Stairwork and Rails: Cut carriages to accurately fit treads and risers and securely anchor to supporting substrates. Glue treads to risers, and glue and nail treads and risers to carriages. Glue and wedge treads and risers to housed stringers. Glue and dowel or pin balusters to treads and railings, and railings to newel posts. END OF SECTION 06402

### **DIVISION 7** THERMAL PROTECTION

### SECTION 07210 - BUILDING INSULATION **I.I SECTION REQUIREMENTS**

A. Submittals: Product Data.

B. Surface-Burning Characteristics: ASTM E 84, and as follows: 1. Flame-Spread Index: 25 or less where exposed; otherwise, as indicated in Part 2 "Insulation Products" Article

- 2. Smoked-Developed Index: 450 or less. .2 INSULATION PRODUCTS
- A. Extruded-Polystyrene Board Insulation: ASTM C 578, Type IV, with flame-spread index of 75 or less.
- B. Mineral-Fiber-Blanket Insulation: ASTM C 665, Type III, Class A, foil-scrim-kraft, foil-scrim, or foil-scrim-polyethylene vapor-retarder membrane on one face, with flame-spread index of 25 or less
- I.3 ACCESSORIES A. Vapor Retarder: Polyethylene, 10 ml thick.
- 1.4 INSTALLATION
- A. Install insulation in areas and in thicknesses indicated or required to produce R-values indicated. Cut and fit tightly around obstructions and fill voids with insulation. B. Extend vapor retarder to extremities of areas to be protected from vapor transmission. Secure in place with adhesives or other anchorage. Locate seams at framing members,
- overlap, and seal with tape. END OF SECTION 07210

SECTION 07311 - FIBERGLASS SHINGLES

. I ASPHALT SHINGLES A. Fiberglass Shingles: ASTM D 3462 and as follows:

I. Multitab-Strip Asphalt Shingles: Mineral-granule surfaced and self-sealing. Three tabs, regularly butt edge Architectural dimensional shingle with 30 year warranty Style to be determined.

.2 ACCESSORIES

- A. Felts: ASTM D 226, Type I, asphalt-saturated organic felts. B. Self-Adhering Sheet Underlayment – Ice and Water Shield: ASTM D 1970, SBSmodified asphalt; or slip-resisting-polyethylene surfaced; with release paper backing; cold applied.
- Asphalt Roofing Cement: ASTM D 4586, Type II, asbestos free. Roofing Nails: Aluminum, stainless-steel, or hot-dip galvanized steel shingle nails,
- minimum 0.120-inch- diameter, of sufficient length to penetrate 3/4 inch into solid wood decking or extend at least 1/8 inch through OSB or plywood sheathing. Sheet Metal Flashing and Trim: Comply with requirements in Division 7 Section "Sheet Metal Flashing and Trim."
- I. Sheet Metal: Aluminum. 2. Fabricate sheet metal flashing and trim to comply with recommendations in
- SMACNA's "Architectural Sheet Metal Manual." 3. Drip Edge: Brake-formed sheet metal with at least a 2-inch roof deck flange
- and a 1-1/2-inch fascia flange with a 3/8-inch drip at lower edge. 4. Open-Valley Flashing: Fabricate with 1-inch-high inverted-V profile at center
- of valley and equal flange widths of 10 inches. 1.3 INSTALLATION A. Comply with recommendations in ARMA's "Residential Asphalt Roofing Manual" and
- asphalt shingle recommendations in NRCA's "The NRCA Roofing and Waterproofing Manual. B. Apply self-adhering sheet underlayment at eaves and rakes from edges of roof to at
- least 36 inches inside exterior wall line. Apply self-adhering sheet underlayment at valleys extending 18 inches (450 mm) on
- each side. D. Install valleys complying with ARMA and NRCA instructions. Construct closed valleys sheet metal open valleys.
- Install metal flashings and other sheet metal to comply with requirements in Division 7 Section "Sheet Metal Flashing and Trim," recommendations in ARMA's "Residential Asphalt Roofing Manual," and asphalt shingle recommendations in NRCA's "The NRCA Roofing and Waterproofing Manual."

Install first and remaining courses of asphalt shingles stair-stepping diagonally across roof deck with manufacturer's recommended offset pattern at succeeding courses, maintaining uniform exposure. END OF SECTION 07311

elastomeric sealant to comply with SMACNA standards. Fabricate nonmoving seams in sheet metal with flat-lock seams. For aluminum, form seams and seal with epoxy seam sealer. Separation: Separate noncompatible metals or corrosive substrates with a coating of asphalt mastic or other permanent separation. END OF SECTION 07620

Asphalt Mastic: SSPC-Paint 12, asbestos free, solvent type.

E. Slip Sheet: Rosin-sized paper, minimum 3 lb/100 sq. ft.

- I JOINT SEALANTS
- Compatibility: Provide joint sealants, joint fillers, and other related materials that are compatible Α. with one another and with joint substrates under service and application conditions. B. Sealant for General Exterior Use Where Another Type Is Not Specified:
- Sinale-component, neutral-curing silicone sealant, ASTM C 920, Type S; Grade NS; END OF SECTION 09910 Class 25; Uses T, NT, M, G, A, and O.
- C. Sealant for Use in Interior Joints in Ceramic Tile and Other Hard Surfaces in Kitchens and Toilet Rooms and Around Plumbing Fixtures: Single-component, mildew-resistant silicone sealant, ASTM C 920, Type S; Grade NS; Class 25; Uses NT, G, A, and O; formulated with fungicide.
- I.2 JOINT-SEALANT BACKING General: Provide sealant backings of material and type that are nonstaining; are compatible with Α.
- joint substrates, sealants, primers, and other joint fillers; and are approved for applications indicated by sealant manufacturer B. Cylindrical Sealant Backings: ASTM C 1330, of size and density to control sealant depth and
- otherwise contribute to producing optimum sealant performance. Bond-Breaker Tape: Polyethylene tape or other plastic tape recommended by sealant manufacturer for preventing sealant from adhering to rigid, inflexible joint-filler materials or joint surfaces at back of joint.

## **DIVISION 9 FINISHES**

SECTION 09260 - GYPSUM BOARD ASSEMBLIES

- I PANEL PRODUCTS A Provide in maximum lengths available to minimize end-to-end butt joints B. Gypsum Wallboard: ASTM C 36, in thickness indicated, with manufacturer's standard edges.
- 1.2 ACCESSORIES
- A. Trim Accessories: ASTM C 1047, formed from galvanized or aluminum-coated steel sheet, rolled zinc, or plastic
- I. Provide cornerbead at outside corners, unless otherwise indicated.
- 2. Provide LC-bead (J-bead) at exposed panel edges. B. Joint-Treatment Materials: ASTM C 475.
- I. Joint Tape: Paper, unless otherwise recommended by panel manufacturer. 2. Joint Compounds: Setting-type compounds
- Miscellaneous Materials: Auxiliary materials for gypsum board construction that comply with referenced standards.
- .3 INSTALLATION A. Install and finish gypsum panels to comply with ASTM C 840 and GA-216.
- Single-Layer Fastening Methods: Fasten gypsum panels to supports with screws. . Finishing Gypsum Board Assemblies
- 1. Unless otherwise indicated, provide Level 4 finish: Embed tape and apply separate first, fill, and finish coats of joint compound to tape, fasteners, and trim flanges. 2. At concealed areas, unless a higher level of finish is required for fire-resistance-rated
- assemblies, provide Level I finish: Embed tape at joints.
- 3. At substrates for tile, provide Level 2 finish: Embed tape and apply separate first coat of joint compound to tape, fasteners, and trim flanges.

SECTION 09271 - GLASS-REINFORCED GYPSUM FABRICATIONS

- | I.I SECTION REQUIREMENTS A. Submittals: Product Data and Shop Drawings.
- B. Surface-Burning Characteristics: ASTM E 84, flame-spread index of 25 or less and smoke-developed index of 450 or less.
- I.2 GLASS-REINFORCED GYPSUM FABRICATIONS
- A. Manufacturer: HB&G Building Products, Inc or Equal . Fabrications: Columns: Permacast Column Collection-See drawings for type and style
- B. Manufacturer: Azek Building Products Inc or equal 1. Fabrications:
  - a. Moldings: Crown molding matching existing profile b. Trim: traditional smooth finish in sizes and shapes as indicated on drawings c. Soffit Panels: Azek Sheet products thickness as indicated, largest size available to
- minimize ioints
- C. Manufacturer: Melton Classics Inc or Equal.

shims where required for alignment.

than 5/16 inch from edge to end.

. Install units to the following tolerances:

I. Plane Alignment (Panel to Panel): I/IG inch.

5. Joint Alignment: Not more than 1/8 inch.

6. Joint Width: Not more than 3/8 inch.

2. Variation from Plumb: Plus or minus 1/8 inch per 10 feet.

3. Variation from Straightness: Plus or minus 1/4 inch per 25 feet.

I.4 INSTALLATION

and level.

END OF SECTION 09271

- Fabrications:
- a. Shutters: Premium Collection Louvered Colonial shutters-standard configuration 1) Width: 18"; Height: match window height; Color: Prime finish for field painting 1.3 FABRICATION

A. For units to receive high-gloss paint finishes, fabricate units with surface characteristics compatible with finishes required.

. Plane Surface Straightness: Plus or minus 1/8 inch.

Cover embedments with glass-reinforced gypsum composite not less than 3/16 inch thick. Fabricate units as large as possible to minimize joints, with smooth finished surfaces, and with the following dimensional tolerances: I. Edge Straightness: Plus or minus 1/8 inch.

DIVISION	(
FINISHES	S

### SECTION 09910 - PAINTING

- 1.1 SECTION REQUIREMENTS A. Summary: Paint exposed surfaces, new and existing, unless otherwise indicated. Paint the back side of access panels. 2. Do not paint prefinished items, items with an integral finish, operating parts, and labels,
- unless otherwise indicated. B. Submittals: Samples. C. Obtain block fillers and primers for each coating system from same manufacturer as finish
- D. Extra Materials: Deliver to Owner I gal. of each color and type of finish coat paint used on Project, in containers, properly labeled and sealed.
- 1.2 PAINT A. Material Compatibility: Provide materials that are compatible with one another and with
- substrates B. Material Quality: Manufacturer's best-quality paint material of coating types specified that
- are formulated and recommended by manufacturer for application indicated. 1.3 PREPARATION A. Remove hardware lighting fixtures and similar items that are not to be painted. Mask items
- that cannot be removed. Reinstall items in each area after painting is complete. B. Clean and prepare all surfaces in an area before beginning painting in that area. Schedule painting so cleaning operations will not damage newly painted surfaces.
- 1.4 APPLICATION A. Apply coatings by brush, roller, spray or other applicators according to coating manufacturer's
- written instructions Use brushes only for exterior painting and where the use of other applicators is not practical.
- 2. Use rollers for finish coat on interior walls and ceilings. B. Pigmented (Opaque) Finishes: Completely cover surfaces to provide a smooth, opaque surface of uniform appearance. Provide a finish free of cloudiness, spotting, holidays, laps, brush marks,
- runs, sags, ropiness, or other surface imperfections. Transparent (Clear) Finishes: Use multiple coats to produce a glass-smooth surface film of even luster. Provide a finish free of laps, runs, cloudiness, color irregularity, brush marks, orange peel, nail holes, or other surface imperfections.
- 1.5 EXTERIOR PAINT APPLICATION SCHEDULE
- A. Fiberglass and composite Trim: I. Low Luster Acrylic Enamel: Two coats over primer.
- I.G INTERIOR PAINT APPLICATION SCHEDULE
- A. Gypsum Board: Low-Luster, Acrylic Enamel: Two coats over primer
- B. Stained Woodwor
- Alkyd-Based, Satın Varnısh: Two coats over sealer and wood staın. C. Natural-Finish Woodwork
- Alkyd-Based, Satın Varnısh: Two coats over sealer.

- 3. Overall Assembled Length and Width: Plus or minus 1/8 inch per 10 feet. 4. Squareness: Not more than 1/4-inch difference between diagonals in 16 sq. ft.
- A. Install glass-reinforced gypsum units level, true, and aligned with adjacent materials. Use concealed . Predrill fastener holes. Fasten as required to comply with dimensional tolerances and not less
- C. Patch fastener holes with bedding compound applied flush with finish face. Sand patch smooth
- Attach pieces at joints with adhesive, and band or brace together until adhesive is cured. Finish joints to comply with ASTM C 840. Provide smooth and contiguous surfaces.
- 4. Assembly Deflection: Not greater than the length of the assembly divided by 240.

### Exterior Renovations for **TRI CITY NATIONAL** BANK

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Project Number