USE COMMON WIRE NAILS, UNLESS OTHERWISE INDICATED. USE FINISHING NAILS FOR FINISH WORK. SELECT FASTENERS OF SIZE THAT WILL NOT FULLY PENETRATE MEMBERS WHERE OPPOSITE SIDE WILL BE EXPOSED TO VIEW OR WILL RECEIVE FINISH MATERIALS. MAKE TIGHT CONNECTIONS BETWEEN MEMBERS. INSTALL FASTENERS WITHOUT SPLITTING WOOD;

SECTION 06 4023 – INTERIOR ARCHITECTURAL WOODWORK

PROVIDE MATERIALS THAT COMPLY WITH REQUIREMENTS OF THE AWI QUALITY STANDARD FOR CUSTOM GRADE FOR EACH TYPE OF WOODWORK INDICATED: PLASTIC LAMINATES:

 A. COLOR AND PATTERN: AS INDICATED ON DRAWINGS. HARDWOOD VENEER: SELECT RED OAK (ALL SAPWOOD), PLAIN SAWN OR SLICED TO MATCH VENEER OF FLUSH WOOD DOORS. VENEER MATCHING: BOOK MATCHED VENEER LEAVES AND CENTER-BALANCE MATCH WITHIN PANEL FACE.

HARDWARE: ALL EXPOSED HARDWARE FINISH TO MATCH DOOR HARDWARE FINISH, NON EXPOSED HARDWARE TO BE US26D. UNLESS OTHERWISE NOTED. DRAWER AND DOOR PULLS: METAL BAIL TYPE, 4" SCREW CENTERS WITH 1" PROJECTION AS MANUFACTURED BY STANLEY, NO. 4484-26D. CABINET LOCKS: KEYED CYLINDER, TWO KEYS PER LOCK, MASTER KEYED.

CATCHES: MAGNETIC. STANLEY SP-45 AND SP-46, PROVIDE OTHER TYPES REQUIRED FOR SPECIAL CONDITIONS DRAWER SLIDES: BLUM METABOX "C" 320 SERIES DRAWER GUIDES. HEIGHT TO MATCH CABINET FACE. COLOR:

HINGES: BLUM MODEL 170, CONCEALED HINGE WITH 170 DEGREE OPENING OR GRASS SYSTEM 1200 (176 DEGREE OPENING) SELF CLOSING WITH 1000-80 BASE PLATE.

3.1 INSTALLATION INSTALL FINISH CARPENTRY WORK PLUMB, LEVEL, TRUE, AND STRAIGHT WITH NO DISTORTIONS. SHIM AS REQUIRED USING CONCEALED SHIMS. SCRIBE AND CUT FINISH CARPENTRY ITEMS TO FIT ADJOINING WORK. PERFORM WORK IN ACCORDANCE WITH AWI CUSTOM GRADE QUALITY.

INSTALL FINISH CARPENTRY WITH MINIMUM NUMBER OF JOINTS AS POSSIBLE, USING FULL LENGTH FROM MAXIMUM LENGTH OF MATERIALS AVAILABLE.

REFINISH CUT SURFACES OR REPAIR DAMAGED FINISH AT CUTS. ANCHOR FINISH CARPENTRY TO ANCHORS OR BLOCKING BUILT IN OR DIRECTLY ATTACHED TO SUBSTRATES. SECURE TO GROUNDS, STRIPPING AND BLOCKING WITH COUNTERSUNK, CONCEALED FASTENERS AND BLIND NAILING AS REQUIRED FOR COMPLETE INSTALLATION. USE FINISHING NAILS FOR EXPOSED NAILING. ALL COUNTERSUNK FASTENERS SHALL BE FILLED FLUSH AND SHALL MATCH FINAL FINISH WHERE TRANSPARENT FINISH IS REQUIRED.

PAINT, STAIN, AND SEALER; SAND FINISH ALL EXPOSED WOOD SURFACES TO RECEIVE PAINT, STAIN, OR SEALER, APPLY PAINT, STAIN, OR SEALER IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. PROVIDE TWO (2) COATS MINIMUM ON ALL WOOD USED IN MILLWORK CONSTRUCTION INCLUDING TOE-KICKS AND SCRIBES.

SECTION 07 2100 - THERMAL INSULATION

1.1 SUBMITTALS PRODUCT TEST REPORTS

RESEARCH/EVALUTATION REPORTS FOR FOAM-PLASTIC INSULATION.

2.1 MATERIALS BATT INSULATION: TO ACHIEVE A DESIGN R VALUE OF 19, UNFACED FIBERGLASS COMPLYING WITH ASTM C 665, OF WIDTHS TO COMPLETELY FILL VOID FORMED BY FRAMING MEMBERS.

SILL GASKET: AMOCO SILL SEALER BY TENNECO BUILDING PRODUCTS (800) 241-4402 SOUND ATTENUATION BATTS: 3-1/2 INCHES UNFACED. WIDTHS TO COMPLETELY FILL VOIDS FORMED BY FRAMING MEMBERS.

3.1 INSTALLATION BATT INSULATION: FIT INSULATION SNUGLY BETWEEN FRAMING WITH A FRICTION FIT. LEAVE NO VOIDS. INSTALL THERMAL INSULATION AT EXTERIOR WALLS WHERE INDICATED EXTEND INSULATION FULL THICKNESS OVER ENTIRE SURFACE TO BE INSULATED TO PROVIDE AN UNINTERRUPTED

INSULATE IRREGULARLY SHAPED AREAS BETWEEN CLOSELY SPACED FRAMING MEMBERS WITH CUT-TO-FIT SILL-SEALER GASKETS: GLASS-FIBER-RESILIENT INSULATION, FABRICATED IN STRIP FORM, FOR USE AS A SILL SEALER: 1-INCH NOMINAL THICKNESS, COMPRESSIBLE TO 1/32 INCH; SELECTED FROM MANUFACTURER'S STANDARD WIDTHS TO SUIT WIDTH OF SILL MEMBERS INDICATED

PRIOR TO CLOSING-IN OF INSULATED ASSEMBLIES, OR PRIOR TO SUBSTANTIAL COMPLETION FOR INSULATION THAT WILL REMAIN EXPOSED IN THE BUILDING, REFIT, REINSTALL AND/OR REPLACE DAMAGED AND DISPLACED INSULATION.

1.1 SUBMITTALS

THERMAL BARRIER.

A. PRODUCT DATA AND SAMPLES: FOR EACH COLOR AND FINISH TYPE OF METAL ROOF PANEL AND ACCESSORY INDICATED. 1.2 WARRANTY SPECIAL WARRANTY: MANUFACTURER'S STANDARD FORM IN WHICH MANUFACTURER AGREES TO REPAIR OR REPLACE COMPONENTS OF METAL ROOF PANEL ASSEMBLIES THAT FAIL IN MATERIALS OR WORKMANSHIP WITHIN SPECIFIED

FAILURES INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING: STRUCTURAL FAILURES, INCLUDING RUPTURING, CRACKING, OR PUNCTURING.

B. DETERIORATION OF METALS, METAL FINISHES, AND OTHER MATERIALS BEYOND NORMAL WEATHERING. WARRANTY PERIOD: ONE YEAR FROM DATE OF SUBSTANTIAL COMPLETION. SPECIAL WARRANTY ON PANEL FINISHES: MANUFACTURER'S STANDARD FORM IN WHICH MANUFACTURER AGREES TO REPAIR FINISH OR REPLACE METAL ROOF PANELS THAT SHOW EVIDENCE OF DETERIORATION OF FACTORY-APPLIED FINISHES WITHIN

FLUOROPOLYMER FINISH WARRANTY PERIOD: 20 YEARS FROM DATE OF SUBSTANTIAL COMPLETION. 2.1 METAL ROOF PANELS METAL ROOF PANELS: FACTORY-FORMED EXPOSED FASTENER, LAP SEAM WALL PANELS DESIGNED TO BE FIELD ASSEMBLED

BY LAPPING EDGES OF ADJACENT PANELS AND MECHANICALLY ATTACHING PANELS TO SUPPORTS USING EXPOSED PANEL FASTENERS IN SIDE LAPS. INCLUDE ACCESSORIES REQUIRED FOR WEATHERTIGHT INSTALLATION.

STEEL PANEL SYSTEMS: COMPLY WITH ASTM E 1514. MBCI PBC ROOF PANEL. TYPE: VERTICAL RIB, SEAMED JOINT AS INDICATED ON DRAWINGS.

MATERIAL: METALLIC COATED STEEL SHEET, 24 GUAGE

EXTERIOR FINISH: FLUOROPOLYMER. COLOR: TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S STANDARD COLOR OFFERING

PANEL FASTENERS: DESIGNED TO WITHSTAND DESIGN LOADS. MATERIAL: SELF TAPPING SCREWS WITH HEADS MATCHING COLOR OF METAL WALL PANELS BY MEANS OF PLASTIC CAPS OR FACTORY-APPLIED COATING. PROVIDE EPDM, PVC, OR NEOPRENE SEALING WASHERS.

JOINT TYPE: AS STANDARD WITH MANUFACTURER. PANEL COVERAGE: 32 INCH.

PANEL HEIGHT: 7/8 INCH.

UPLIFT RATING: COMPY WITH UL580 FOR WIND-UPLIFT. RESISTANCE CLASS UL90. SOLAR REFLECTANCE INDEX (SRI) EQUAL TO OR GREATHER THAN 29

LOCATION: AS INDICATED ON DRAWINGS. FINISH: AS INDICATED ON DRAWINGS.

3.1 INSTALLATION A. INSTALL PER MANUFACTURER'S WRITTEN INSTRUCTIONS

SECTION 07 6200 - SHEET METAL FLASHING AND TRIM

2.1 MATERIALS PROVIDE GALVANIZED SHEET METAL NECESSARY TO COMPLETE THE FOLLOWING WORK:

FLASHING AND COUNTER FLASHING, 24 GAUGE, OR AS OTHERWISE INDICATED ON DRAWINGS. 3.1 INSTALLATION

COMPLY WITH THE LATEST EDITION OF SHEET METAL AND AIR CONDITIONING CONTRACTORS' NATIONAL ASSOCIATION (SMACNA) ARCHITECTURAL SHEET METAL MANUAL AND SELECTED ROOFING MANUFACTURER'S REQUIREMENT.

SECTION 07 8413 - PENETRATION FIRESTOPPING

1.1 SUMMARY

PENETRATIONS IN FIRE-RESISTANCE-RATED WALLS. PENETRATIONS IN HORIZONTAL ASSEMBLIES. PENETRATIONS IN SMOKE BARRIERS.

1.2 SUBMITTALS

PRODUCT DATA: FOR EACH TYPE OF PRODUCT INDICATED. PRODUCT TEST REPORTS

1.3 QUALITY ASSURANCE

INSTALLER QUALIFICATIONS: A FIRM THAT HAS BEEN APPROVED BY FM GLOBAL ACCORDING TO

FM GLOBAL 4991, "APPROVAL OF FIRESTOP CONTRACTORS." OR BEEN EVALUATED BY UL AND FOUND TO COMPLY WITH ITS "QUALIFIED FIRESTOP CONTRACTOR PROGRAM REQUIREMENTS". FIRE-TEST-RESPONSE CHARACTERISTICS: PENETRATION FIRESTOPPING SHALL COMPLY WITH THE REQUIREMENTS OF FIRESTOPPING TESTS PERFORMED BY UL

PART 2 - PRODUCTS 2.1 MANUFACTURERS

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: GRACE CONSTRUCTION PRODUCTS

3M FIRE PROTECTION PRODUCTS USG CORPORATION.

2.2 PENETRATIO FIRESTOPPING

PROVIDE PENETRATION FIRESTOPPING THAT IS PRODUCED AND INSTALLED TO RESIST SPREAD OF FIRE ACCORDING TO REQUIREMENTS INDICATED, RESIST PASSAGE OF SMOKE AND OTHER GASES, AND MAINTAIN ORIGINAL FIRE-RESISTANCE RATING OF CONSTRUCTION PENETRATED. PENETRATION FIRESTOPPING SYSTEMS SHALL BE COMPATIBLE WITH ONE ANOTHER, WITH THE SUBSTRATES FORMING OPENINGS, AND WITH PENETRATIONING ITEMS IF ANY.

PENETRATIONS IN FIRE-RESISTANCE-RATED WALLS: RATING DETERMINED PER ASTME 814 OR UL 1479, BASED ON TESTING AT A POSITIVE PRESSURE DIFFERENTIAL OF 0.01-INCH WG F-RATING: NOT LESS THAN THE FIRE-RESISTANCE RATING OF CONSTRUCTIONS PENETRATED PENETRATIONS IN HORIZONTAL ASSEMBLIES: RATING DETERMINED PER ASTM E 814 OR UL

1479, BASED ON TESTING A POSITIVE PRESSURE DIFFERENTIAL OF 0.01-INCH WG. F-RATING: AT LEAST 1 HOUR, BUT NOT LESS THAN THE FIRE-RESISTANCE RATING OF CONSTRUCTIONS PENETRATED PENETRATIONS IN SMOKE BARRIERS: PROVIDE PENETRATION FIRESTOPPING WITH RATINGS DETERMINED PER UL 1479.

L-RATING: NOT EXCEEDING 5.0 CFM/SQ. FT. OF PENETRATION OPENING AT 0.30-INCH WGAT BOTH AMBIENT AND ELEVATED TEMPERATURES.

EXPOSED PENETRATION FIRESTOPPING: PROVIDE PRODUCTS WITH FLAME-SPREAD AND SMOKE DEVELOPED INDEXES OF LESS THAN 25 AND 450, RESPECTIVELY, AS DETERMINED PER ASTM E 84.

ACCESSORIES: PROVIDE COMPONENTS FOR EACH PENETRATION FIRESTOPPING SYSTEM THAT ARE NEEDED TO INSTALL FILL MATERIALS AND TO MAINTAIN RATINGS REQUIRED. USE ONLY THOSE COMPONENTS SPECIFIED BY PENETRATION FIRESTOPPING MANUFACTURER AND APPROVED BY QUALIFIED TESTING AND INSPECTING AGENCY FOR FIRESTOPPING INDICATED.

PART 3 - EXECUTION 3.1 INSTALLATION

A. EXAMINE SUBSTRATES AND CONDITIONS, WITH INSTALLER PRESENT, FOR COMPLIANCE WITH REQUIREMENTS FOR OPENING CONFIGURATIONS, PENETRATING ITEMS, SUBSTRATES, AND OTHER CONDITIONS AFFECTING PERFORMANCE OF THE WORK. INSTALL PENETRATION FIRESTOPPING TO COMPLY WITH MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS AND PUBLISHES DRAWINGS FOR PRODUCTS AND APPLICATIONS INDICATED

INSTALL FORMING MATERIALS AND OTHER ACCESSORIES OF TYPES REQUIRED TO SUPPORT FILL MATERIALS DURING THEIR APPLICATION AND IN THE POSITION NEEDED TO PRODUCE CROSS-SECTIONAL SHAPES AND DEPTHS RQUIRED TO ACHIEVE FIRE RATINGS INDICATED AFTER INSTALLING FILL MATERIALS AND ALLOWING THEM TO FULLY CURE, REMOVE COMBUSTIBLE FORMING MATERIAL AND OTHER ACCESSORIES NOT INDICATED AS PERMANENT COMPONENTS OF FIRESTOPPING.

D. INSTALL FILL MATERIALS FOR FIRESTOPPING BY PROVEN TECHNIQUES TO PRODUCE THE FOLLOWING RESULTS: FILL VOIDS AND CAVITIES FORMED BY OPENINGS. FORMING MATERIALS. ACCESSORIES. AND PENETRATING ITEMS AS REQUIRED TO ACHIEVE FIRE-RESISTANCE RATINGS INDICATED.

APPLY MATERIALS SO THEY CONTACT AND ADHERE TO SUBSTRATES FORMED BY OPENINGS AND PENETRATING FOR FILL MATERIALS THAT WILL REMAIN EXPOSED AFTER COMPLETING THE WORK, FINISH

TO PRODUCE SMOOTH, UNIFORM SURFACES THAT ARE FLUSH WITH ADJOINING FINISHES.

3.2 IDENTIFICATION

INSTALLER'S NAME.

IDENTIFY PENETRATION FIRESTOPPING WITH REPRINTED METAL OR PLASTIC LABELS. ATTACH LABELS PERMANENTLY TO SURFACES ADJACENT TO AND WITHIN 6 INCHES OF FIRESTOPPING EDGE SO LABELS WILL BE VISIBLE TO ANYONE SEEKING TO REMOVE PENETRATING ITEMS OR FIRESTOPPING. USE MECHANICAL FASTENERS OR SELF-ADHEREING -TYPE LABELS WITH ADHESIVES CAPABLE OF PERMANENTLY BONDING LABELS TO SURFACES ON WHICH LABELS ARE

PLACED. INCLUDE THE FOLLOWING INFORMATION ON LABELS: THE WORDS "WARNING - PENETRATION FIRESTOPPING. DO NOT DISTURB. NOTIFY BUILDING MANAGMENT OF ANY

CONTRACTOR'S NAME, ADDRESS AND PHONE NUMBER DESIGNATION OF APPLICABLE TESTING AND INSPECTING AGENCY. DATE OF INSTALLATION. MANUFACTURER'S NAME

SECTION 07 8446 - FIRE RESISTIVE JOINT SYSTEMS PART 1 - GENERAL

1.1 SUMMARY

JOINTS IN OR BETWEEN FIRE-RESISTANCE-RATED CONSTRUCTIONS

A. PRODUCT DATA: FOR EACH TYPE OF PRODUCT INDICATED.

B. PRODUCT TEST REPORTS 1.3 QUALITY ASSURANCE

A. INSTALLER QUALIFICATIONS: A FIRM THAT HAS BEEN APPROVED BY FM GLOBAL ACCORDING TO FM GLOBAL 4991, "APPROVAL OF FIRESTOP CONTRACTORS," OR BEEN EVALUATED BY UL AND FOUND TO COMPLY

WITH UL'S "QUALIFIED FIRESTOP CONTRACTOR PROGRAM REQUIREMENTS." FIRE-TEST-RESPONSE CHARACTERISTICS: FIRE-RESISTIVE JOINT SYSTEMS SHALL COMPLY WITH THE REQUIREMENTS OF FIRE-RESISTIVE JOINT SYSTEM TESTS PERFORMED BY UL

OF LESS THAN 25 AND 450, RESPECTIVELY, AS DETERMINED PER ASTM E 84.

PART 2 - PRODUCTS

2.1 FIRE-RESISTIVE JOINT SYSTEMS WHERE REQUIRED, PROVIDE FIRE-RESISTIVE JOINT SYSTEMS THAT ARE PRODUCED AND INSTALLED TO RESIST SPREAD OF FIRE ACCORDING TO REQUIREMENTS INDICATED. RESIST PASSAGE OF SMOKE AND OTHER GASES. AND MAINTAIN ORIGINAL FIRE-RESISTANCE RATING OF ASSEMBLIES IN OR BETWEEN WHICH FIRE-RESISTIVE

JOINT SYSTEMS ARE INSTALLED. FIRE-RESISTIVE JOINT SYSTEMS SHALL ACCOMMODATE BUILDING MOVEMENTS WITHOUT IMPAIRING THEIR ABILITY TO RESIST THE PASSAGE OF FIRE AND HOT GASES. JOINTS IN OR BETWEEN FIRE-RESISTANCE-RATED CONSTRUCTION: RATINGS DETERMINED PER ASTM E 1966 OR UL 2079:

FIRE-RESISTANCE RATING: EQUAL TO OR EXCEEDING THE FIRE-RESISTANCE RATING OF CONSTRUCTION THEY 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: GRACE CONSTRUCTION PRODUCTS. HILTI, INC. JOHNS MANVILLE

TREMCO, INC.; TREMCO FIRE PROTECTION SYSTEMS GROUP. USG CORPORATION. EXPOSED FIRE-RESISTIVE JOINT SYSTEMS: PROVIDE PRODUCTS WITH FLAME-SPREAD AND SMOKE-DEVELOPED INDEXES

ACCESSORIES: PROVIDE COMPONENTS OF FIRE-RESISTIVE JOINT SYSTEMS, INCLUDING PRIMERS AND FORMING MATERIALS, THAT ARE NEEDED TO INSTALL FILL MATERIALS AND TO MAINTAIN RATINGS REQUIRED. USE ONLY COMPONENTS SPECIFIED BY FIRE-RESISTIVE JOINT SYSTEM MANUFACTURER AND APPROVED BY THE QUALIFIED TESTING AGENCY FOR SYSTEMS INDICATED

PART 3 - EXECUTION

EXAMINE SUBSTRATES AND CONDITIONS, WITH INSTALLER PRESENT, FOR COMPLIANCE WITH REQUIREMENTS FOR JOINT CONFIGURATIONS, SUBSTRATES, AND OTHER CONDITIONS AFFECTING PERFORMANCE OF THE WORK.

INSTALL FIRE-RESISTIVE JOINT SYSTEMS TO COMPLY WITH MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS AND PUBLISHED DRAWINGS FOR PRODUCTS AND APPLICATIONS INDICATED.

C. INSTALL FORMING MATERIALS AND OTHER ACCESSORIES OF TYPES REQUIRED TO SUPPORT FILL MATERIALS DURING THEIR APPLICATION AND IN POSITION NEEDED TO PRODUCE CROSS-SECTIONAL SHAPES AND DEPTHS REQUIRED TO ACHIEVE FIRE RATINGS INDICATED 1. AFTER INSTALLING FILL MATERIALS AND ALLOWING THEM TO FULLY CURE, REMOVE COMBUSTIBLE FORMING

MATERIALS AND OTHER ACCESSORIES NOT INDICATED AS PERMANENT COMPONENTS OF FIRE-RESISTIVE JOINT SYSTEM. D. INSTALL FILL MATERIALS FOR FIRE-RESISTIVE JOINT SYSTEMS BY PROVEN TECHNIQUES TO PRODUCE THE FOLLOWING 1. FILL VOIDS AND CAVITIES FORMED BY JOINTS AND FORMING MATERIALS AS REQUIRED TO ACHIEVE FIRE-RESISTANCE

RATINGS INDICATED APPLY FILL MATERIALS SO THEY CONTACT AND ADHERE TO SUBSTRATES FORMED BY JOINTS. FOR FILL MATERIALS THAT WILL REMAIN EXPOSED AFTER COMPLETING THE WORK, FINISH TO PRODUCE SMOOTH. UNIFORM SURFACES THAT ARE FLUSH WITH ADJOINING FINISHES.

3.2 IDENTIFICATION

IDENTIFY FIRE-RESISTIVE JOINT SYSTEMS WITH PREPRINTED METAL OR PLASTIC LABELS. ATTACH LABELS PERMANENTLY O SURFACES ADJACENT TO AND WITHIN 6 INCHES OF JOINT EDGE SO LABELS WILL BE VISIBLE TO ANYONE SEEKING TO REMOVE OR PENETRATE JOINT SYSTEM. USE MECHANICAL FASTENERS OR SELF-ADHERING-TYPE LABELS WITH ADHESIVES CAPABLE OF PERMANENTLY BONDING LABELS TO SURFACES ON WHICH LABELS ARE PLACED. INCLUDE THE FOLLOWING INFORMATION ON LABELS:

THE WORDS "WARNING - FIRE-RESISTIVE JOINT SYSTEM - DO NOT DISTURB. NOTIFY BUILDING MANAGEMENT OF ANY DAMAGE." CONTRACTOR'S NAME, ADDRESS, AND PHONE NUMBER.

DESIGNATION OF APPLICABLE TESTING AGENCY DATE OF INSTALLATION. MANUFACTURER'S NAME

INSTALLER'S NAME.

3.3 FIELD QUALITY CONTROL WHERE DEFICIENCIES ARE FOUND OR FIRE-RESISTIVE JOINT SYSTEMS ARE DAMAGED OR REMOVED DUE TO TESTING, REPAIR OR REPLACE FIRE-RESISTIVE JOINT SYSTEMS SO THEY COMPLY WITH REQUIREMENTS. PROCEED WITH ENCLOSING FIRE-RESISTIVE JOINT SYSTEMS WITH OTHER

CONSTRUCTION ONLY AFTER INSPECTION REPORTS ARE ISSUED AND INSTALLATIONS COMPLY WITH REQUIREMENTS.

SECTION 07 9200 - JOINT SEALANTS

2.1 MATERIALS MOISTURE BARRIER: 6-MIL POLYETHYLENE SHEET MEMBRANE. PROVIDE MOISTURE BARRIER WITH 73% MINIMUM RECYCLE CONTENT, UNLESS OTHERWISE NOTED.

FLEXIBLE BASE FLASHING: 20-MIL SHEET VINYL WATER BARRIER. FLASHING ADHESIVE: STIFF FIBERED MASTIC COMPATIBLE WITH FLEXIBLE MEMBRANE FLASHING.

JOINT BACKING: PROVIDE CLOSED CELL COMPRESSIBLE, NON-STAINING, NON-ROTTING JOINT BACKING PER SEALANT

CLOSED CELL EXPANDED RUBBER: MM SYSTEMS ELASTOPRENE CLOSED CELL EXPANDED RUBBER FOR USE AT WIDE GAPS WHERE INDICATED ON DRAWINGS. MANUFACTURERS:

FLEXIBLE FLASHING: B.F. GOODRICH OR APPROVED EQUAL. FLASHING ADHESIVE: PHILIP CAREY DUK-BAK #107.

SEALANTS FOR EXTERIOR AND INTERIOR EXPANSION AND CONTROL JOINTS: SONNEBORN NP-2 OR APPROVED EQUAL OTHER INTERIOR JOINT SEALANTS: DAP OR APPROVED EQUAL.

3.1 INSTALLATION PROVIDE SEALANT FOR ALL EXTERIOR AND INTERIOR EXPANSION AND CONTROL JOINTS, WINDOW, CURTAINWALL, AND STOREFRONT SYSTEMS, AND MASONRY AND PRECAST CONSTRUCTION.

1.1 SUBMITTALS

2.2 FACTORY FINISH

MATCH EXISTING DOORS FINISH.

PROVIDE SEALANT ALONG PERIMETER OF ALL DOOR FRAMES, WINDOWS AND STOREFRONT.

PROVIDE CONTINUOUS MANUFACTURER RECOMMENDED EPOXY ANCHORING FOR APPLICATION OF CLOSED CELL EXPANDED

SECTION 08 1113- HOLLOW METAL DOORS AND FRAMES

PROVIDE MANUFACTURER'S DOOR AND FRAME PRODUCT DATA. INDICATE LOCATION, ELEVATION, SIZE, HAND OF EACH DOOR, AND LOCATION OF MORTISES AND HOLES FOR HARDWARE. 1.3 QUALITY ASSURANCE FIRE-RATED DOOR ASSEMBLIES: ASSEMBLIES COMPLYING WITH NFPA 80 THAT ARE LISTED AND LABELED BY A QUALIFIED TESTING AGENCY. FOR FIRE-PROTECTION RATINGS INDICATED. BASED ON TESTING AT POSTIVE PRESSURE ACCORDING TO

2.1 MATERIALS A. DOORS: SEAMLESS DESIGN, 1¾ INCH THICK 18 GAUGE FLUSH COLD-ROLLED SHEET, FLUSH STEEL PANELS. FACTORY PRIMED FOR FIFI D PAINTING

2. EXTERIOR DOORS GALVANIZED. FABRICATE FRAMES WITH MITERED OR COPED CORNERS, CONTINUOUSLY WELDED, 2 INCH THICK 16 GAUGE COLD-ROLLED STEEL SHEET.

2.2 FABRICATION EXPOSED FASTENERS: UNLESS OTHERWISE INDICATED, PROVIDE COUNTERSUNK FLAT OR OVAL HEADS FOR EXPOSED SCREWS AND BOLTS.

SECTION 08 1416- FLUSH WOOD DOORS 1.1 SUBMITTALS

A. PROVIDE MANUFACTURER'S DOOR PRODUCT DATA. INDICATE LOCATION, ELEVATION, SIZE, HAND OF EACH DOOR, LOCATION OF MORTISES AND HOLES FOR HARDWARE, AND 2.1 MATERIALS A. HOLLOW CORE DOORS:

CONSTRUCTION: STANDARD HOLLOW CORE. GRADE: CUSTOM (GRADE A FACES) SPECIES: WHITE OAK CUT: PLAIN SLICED (FLAT SLICED) MATCH BETWEEN VENEER LEAVES: BOOK MATCH ASSEMBLY OF VENEER LEAVES ON DOOR FACES: CENTER-BALANCE MATCH PAIR AND SET MATCH: PROVIDE FOR DOORS HUNG IN SAME OPENING. CONSTRUCTION: SEVEN PILES.

SECTION 08 4113 - ALUMINUM ENTRANCES AND STOREFRONTS 2.1 MANUFACTURERS A. KAWNEER; EFCO; OLD CASTLE ARCHITECTURAL PRODUCTS; PPG ARCHITECTURAL METALS; TUBELITE; OR EQUAL.

BRACKETS AND REINFORCEMENTS: PROVIDE MANUFACTURER'S STANDARD BRACKETS AND REINFORCEMENTS THAT ARE

FASTENERS AND ACCESSORIES: MANUFACTURER'S STANDARD CORROSION-RESISTANT, NON-STAINING, NONBLEEDING

CONCEALED FLASHING: MANUFACTURER'S STANDARD CORROSION-RESISTANT, NON-STAINING, NONBLEEDING FLASHING.

COMPATIBLE WITH ADJACENT MATERIALS, AND OF TYPE RECOMMENDED BY MANUFACTURER. PROVIDE RECEIVER SILLS AS

DOOR CLOSURES: KAWNEER LCN 4040 SUPER SMOOTHEE SURFACE MOUNTED OVERHEAD ADJUSTABLE CLOSER.

COMPATIBLE WITH ADJACENT MATERIALS. PROVIDE NON-STAINING, NONFERROUS SHIMS FOR ALIGNING SYSTEM

PREPARE COMPONENTS TO RECEIVE CONCEALED FASTENERS AND ANCHOR AND CONNECTION DEVICES.

FIELD MEASUREMENTS: VERIFY DIMENSIONS BY FIELD MEASUREMENTS BEFORE FABRICATION AND INDICATE

INSTALL GLAZING TO COMPLY WITH STOREFRONT MANUFACTURER'S INSTRUCTIONS, AND AS INDICATED.

DISASSEMBLE COMPONENTS ONLY AS NECESSARY FOR SHIPMENT AND INSTALLATION.

PRODUCT SYSTEM: MATCH EXISTING PROFILE AND COLOR

FASTENERS AND ACCESSORIES COMPATIBLE WITH ADJACENT MATERIALS.

HARDWARE: PER MANUFACTURER'S STANDARD AS FOLLOWS:

PIVOTS/BUTTS: MANUFACTURER'S STANDARD.

WEATHERSTRIPPING: MANUFACTURER'S STANDARD

TO PRODUCE HAIRLINE JOINTS FREE OF BURRS AND DISTORTION.

2.2 ACCESSORIES

2.3 FABRICATION

RECOMMENDED BY MANUFACTURER.

WITHIN THE SYSTEM TO THE EXTERIOR.

CONTACT SURFACES WITH BITUMINOUS PAINT.

A. CLASS II, ANODIZED BRONZE, TO MATCH EXISTING

MEASUREMENTS ON RECORD DRAWINGS.

CONTACT SURFACES WITH BITUMINOUS PAINT.

SECTION 08 7100 - DOOR HARDWARE

A. GLAZING SCHEDULE, UNLESS OTHERWISE INDICATED ON DRAWINGS:

THICKNESS: 1 INCH

G1: INSULATED TINTED TEMPERED FLOAT GLASS

TINT TO MATCH EXISTING

PROVIDE SAFETY GLAZING LABELING

MANUFACTURERS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE

REGULAR FOR VERTICAL SURFACES UNLESS OTHERWISE INDICATED

GLASS-MAT. WATER-RESISTANT BACKING BOARD: ASTM C 1178/C 1178M, WITH

MANUFACTURER'S STANDARD EDGES. FOR USE BEHIND ALL WALL TILE AND PLASTIC

1. PRODUCTS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE ONE OF

TEMPLE INLAND, GREENGLASS, FIBERGLASS FACED GYPSUM BOARD.

GEORGIA-PACIFIC GYPSUM LLC: DENSSHIELD TILE BACKER.

MATERIAL: GALVANIZED OR ALUMINUM-COATED STEEL SHEET OR ROLLED

GLASS-MAT GYPSUM SHEATHING BOARD: FIBERGLASS MESH.

JOINT COMPOUND FOR INTERIOR GYPSUM BOARD: FOR EACH COAT USE

SOUND ATTENUATION BLANKETS: ASTM C 665, TYPE I (BLANKETS WITHOUT

1. FIRE-RESISTANCE-RATED ASSEMBLIES: COMPLY WITH MINERAL FIBER

ACOUSTICAL JOINT SEALANTS: AS SPECIFIED IN DIVISION 07 SECTION "JOINT

D. THERMAL INSULATION: AS SPECIFIED IN DIVISION 07 SECTION "THERMAL INSULATION."

A. INSTALL SOUND ATTENUATION BLANKETS WHERE INDICATED AND AT THE FOLLOWING

REFER TO DIVISION 07 SECTION "THERMAL INSULATION" FOR INSULATION IN

A. STEEL DRILL SCREWS: ASTM C 1002, UNLESS OTHERWISE INDICATED.

WALLS AS INDICATED IN DRAWINGS.

WALLS AND ABOVE CEILINGS.

TILE BACKING PANELS: AS RECOMMENDED BY PANEL MANUFACTURER.

FORMULATION THAT IS COMPATIBLE WITH OTHER COMPOUNDS APPLIED ON PREVIOUS

MEMBRANE FACING). FILL ENTIRE WALL CAVITY TO HEIGHT OF WALLBOARD UNLESS

CONTROL JOINTS: NATIONAL GYPSUM 0.093 ZINC-COATED CONTROL JOINT, OR

TYPE X WHERE REQUIRED FOR FIRE-RESISTANCE-RATED ASSEMBLIES.

MOISTURE AND MOLD RESISTANT WHEN USED IN RESTROOMS, JANITOR ROOMS,

KITCHENS, AND WHEN USED ADJACENT TO RECENTLY LAID MASONRY WHERE

GYPSUM WALLBOARD: ASTM C 1396/C 1396M AND AS FOLLOWS

SAG RESISTANT TYPE FOR CEILING SURFACES.

PANELING INSTALLATIONS UNLESS NOTED OTHERWISE.

2. THICKNESS: 5/8 INCH UNLESS OTHERWISE INDICATED.

3. MOLD RESISTANCE: ASTM D 3273, SCORE OF 10

EQUAL AS APPROVED BY THE ARCHITECT.

INTERIOR AND EXTERIOR TRIM: ASTM C 1047.

GENERAL: COMPLY WITH ASTM C 475/C 475M.

REQUIREMENTS OF ASSEMBLY.

OR FOR SUCCESSIVE COATS.

OTHERWISE INDICATED.

3.1 SOUND ATTENUATION BLANKETS

PARTITIONS

INTERIOR GYPSUM BOARD: PAPER.

MORTAR AND GROUTS MAY CONTAIN MOISTURE.

EDGES: TAPERED; SQUARE AT MULTI LAYER APPLICATIONS.

THICKNESS: 1/2 INCH UNLESS OTHERWISE INDICATED.

CERTAINTEED CORP.; GLASROC TILE BACKER.

WITHIN THE SYSTEM TO THE EXTERIOR.

JOINTS. SEAL JOINTS WATERTIGHT

FGMA'S "GLAZING MANUAL

2.4 ALUMINUM FINISHES

3.1 INSTALLATION

2.1 MATERIALS

2.1 MATERIALS

PART 1 - GENERAL

1.1 SUMMARY

PART 2 - PRODUCTS

A. SECTION INCLUDES:

2.1 INTERIOR GYPSUM BOARD

1.2 ACTION SUBMITTALS

2.2 TILE BACKING PANELS

2.3 TRIM ACCESSORIES

2.4 JOINT TREATMENT MATERIALS

2.5 AUXILIARY MATERIALS

PART 3 - EXECUTION

3.1 INSTALLATION

A. RELOCATED HARDWARE

A. ADJUST FOR SMOOTH OPERATION

SECTION 08 8000 - GLAZING

2. G2: 1/4 INCH TEMPERED GLASS, CLEAR

INTERIOR GYPSUM BOARD

SOUND ATTENUATION INSULATION.

A. PRODUCT DATA: FOR EACH TYPE OF PRODUCT.

PRODUCTS BY ONE OF THE FOLLOWING

NATIONAL GYPSUM COMPANY

TEMPLE-INLAND.

USG CORPORATION.

THE FOLLOWING

GEORGIA-PACIFIC GYPSUM LLC.

TILE BACKING PANELS.

SECTION 09 2900 - WALLBOARD

DESIGN ALUMINUM STOREFRONT WINDOW SYSTEM TO WITHSTAND FM DESIGN WINDLOADS.

**SELSER SCHAEFER ARCHITECTS, INC** 1350 S. BOULDER AVENUE TULSA, OK 74119-3204 918.587.2282 FAX 918.587.2285 SELSERSCHAEFER.COM

FABRICATE COMPONENTS THAT, WHEN ASSEMBLED, WILL HAVE ACCURATELY FITTED JOINTS WITH ENDS COPED OR MITERED FORMING: FORM SHAPES WITH SHARP PROFILES, STRAIGHT AND FREE OF DEFECTS OR DEFORMATIONS, BEFORE FINISHING. FABRICATE COMPONENTS TO DRAIN WATER PASSING JOINTS AND CONDENSATION AND MOISTURE OCCURRING OR MIGRATING WELDING: WELD COMPONENTS TO COMPLY WITH AWS STANDARDS. WELD BEFORE FINISHING COMPONENTS TO GREATEST EXTENT POSSIBLE. WELD IN CONCEALED LOCATIONS TO GREATEST EXTENT POSSIBLE TO MINIMIZE DISTORTION OR DISCOLORATION OF FINISH. REMOVE WELD SPATTER AND WELDING OXIDES FROM EXPOSED SURFACES BY DESCALING OR GLAZING CHANNELS: PROVIDE MINIMUM CLEARANCES FOR THICKNESS AND TYPE OF GLASS INDICATED ACCORDING TO METAL PROTECTION: WHERE ALUMINUM WILL CONTACT DISSIMILAR METALS. PROTECT AGAINST GALVANIC ACTION BY PAINTING CONTACT SURFACES WITH PRIMER OR BY APPLYING SEALANT OR TAPE RECOMMENDED BY MANUFACTURER FOR THIS PURPOSE. WHERE ALUMINUM WILL CONTACT CONCRETE OR MASONRY, PROTECT AGAINST CORROSION BY PAINTING FABRICATE FRAMING IN PROFILES INDICATED. FACTORY-ASSEMBLE COMPONENTS TO GREATEST EXTENT POSSIBLE. FIT FRAME JOINTS TO PRODUCE HAIRLINE JOINTS FREE OF BURRS AND DISTORTION. RIGIDLY SECURE NON-MOVEMENT METAL PROTECTION: WHERE ALUMINUM WILL CONTACT DISSIMILAR METALS, PROTECT AGAINST GALVANIC ACTION BY PAINTING CONTACT SURFACES WITH PRIMER OR BY APPLYING SEALANT OR TAPE RECOMMENDED BY MANUFACTURER FOR THIS PURPOSE. WHERE ALUMINUM WILL CONTACT CONCRETE OR MASONRY, PROTECT AGAINST CORROSION BY PAINTING INSTALL COMPONENTS TO DRAIN WATER PASSING JOINTS AND CONDENSATION AND MOISTURE OCCURRING OR MIGRATING SET CONTINUOUS SILL MEMBERS AND FLASHING IN A FULL SEALANT BED TO PROVIDE WEATHERTIGHT CONSTRUCTION. INSTALL PERIMETER SEALANT TO COMPLY WITH STOREFRONT MANUFACTURER'S INSTRUCTIONS, AND AS INDICATED. CHEROKEE NATION. **CNE INTERCHANGE** PARK TENANT **IMPROVEMENT** MARSHALL STREET TULSA, OKLAHOMA 74116

**ARCHITECTURAL** SPECIFICATIONS

ISSUE DATE 11.05.10

PROJECT NO.

R10.053

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