



Table with 2 columns: Description, Date. Includes submission, owner's review, bid set, permit set.

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D. WATER: POTABLE, CLEAN, AND FREE FROM DELETERIOUS AMOUNTS OF ACIDS, ALKALIES OR ORGANIC MATERIALS
E. ADMIXTURES
1. AIR ENTRAINING ADMIXTURE: ASTM C260
2. WATER REDUCING ADMIXTURE: ASTM C494, TYPE A AND FREE FROM CHLORIDES AND ADDED LIGNIN
3. HIGH-RANGE WATER-REDUCING ADMIXTURE (SUPERPLASTICIZER): ASTM C494, TYPE F OR G, FREE FROM CHLORIDES AND ADDED LIGNIN
4. PROHIBITED ADMIXTURES: CALCIUM CHLORIDE, THIOCYANATES OR ADMIXTURES CONTAINING MORE THAN .05% CHLORIDE IONS

2.2 ACCESSORIES:
A. UNDER SLAB VAPOR BARRIER: PROVIDE UNDER SLAB VAPOR RETARDER AS SHOW ON CONSTRUCTION DRAWINGS PER SECTION 07 91 - UNDER SLAB VAPOR RETARDERS
B. EXPANSION JOINT AND ISOLATION JOINT FILLER: PREFORMED, RESILIENT, NON-EXTRUDING ASPHALT IMPREGNATED CANE FIBER, ASTM D151
C. REINFORCING STEEL: ASTM A615 OR ASTM A995
D. WELDED WIRE FABRIC: ASTM A185
E. SHEET MATERIALS FOR CURING CONCRETE: ASTM C171
F. SPLASH BLOCKS: POURED-IN-PLACE, FACTORY PRECAST, OR JOB SITE CAST

2.3 MIXES
A. SUBMIT CONCRETE MIX DESIGN FOR EACH TYPE OF CONCRETE AT LEAST 14 DAYS PRIOR TO THE PROPOSED START OF PLACEMENT. MIX DESIGNS MUST BE REVIEWED PRIOR TO POURING CONCRETE. REVIEW IS FOR CONFORMANCE WITH SPECIFICATION REQUIREMENTS ONLY. CONTRACTOR IS RESPONSIBLE FOR PERFORMANCE.
B. CONCRETE SHALL CONFORM TO THE REQUIREMENTS OF ASTM C34 (OPTION A) UNLESS OTHER REQUIREMENTS OF THIS PROJECT SPECIFICATION ARE MORE STRINGENT. ESTABLISH MIX PROPORTIONS ACCORDING TO THE PROCEDURE IN ACI 301.
C. CONCRETE MATERIALS AND MIXING FOR FIBER-REINFORCED CONCRETE: ASTM C1115 ALTERNATE NUMBER 2, PERFORMANCE LEVEL 1, AND TOLERANCES INDEX B
D. PROVIDE CONCRETE WITH WORKABILITY SUCH THAT IT WILL FILL THE FORMS, WITHOUT VOIDS OR HONEYCOMBS, WHEN PROPERLY VIBRATED, WITHOUT PERMITTING MATERIALS TO SEPARATE OR EXCESS WATER TO COLLECT ON THE SURFACE
E. PROVIDE MIXES MEETING THE FOLLOWING MINIMUM REQUIREMENTS
1. EXTERIOR CONCRETE
A. MINIMUM 28 DAY COMPRESSIVE STRENGTH: 4,000 PSI
B. MAXIMUM WATER TO CEMENT RATIO: 0.45
C. MINIMUM CEMENT CONTENT: 564 lb/cu. yd.
D. AIR-ENTRAINMENT BY VOLUME: 6%-8% DEPENDING UPON SIZE OF AGGREGATE USED
E. EXTERIOR CONCRETE INCLUDES: EXTERIOR SIDEWALKS, APRONS AND SLABS, SEMI-EXTERIOR SLABS AT OVERHEAD DOORS, LOADING DOCKS, ETC., EXTERIOR WALLS, PIERS, COLUMNS, ETC.
2. EXTERIOR CONCRETE FLAT WORK
A. MINIMUM 28 DAY COMPRESSIVE STRENGTH: 4,000 PSI
B. MAXIMUM WATER TO CEMENT RATIO: 0.45
C. MINIMUM CEMENT CONTENT: 564 lb/cu. yd.
D. AIR-ENTRAINMENT BY VOLUME: 6%-8% DEPENDING UPON SIZE OF AGGREGATE USED
3. INTERIOR CONCRETE SLAB ON GROUND:
A. MINIMUM 28 DAY COMPRESSIVE STRENGTH: 3,500 PSI
B. MAXIMUM WATER TO CEMENT RATIO: 0.48
C. MINIMUM CEMENT CONTENT: 564 lb/cu. yd.
D. AIR-ENTRAINMENT BY VOLUME: 5%-7% DEPENDING UPON SIZE OF AGGREGATE USED
E. SUBSTITUTION OF FLY ASH FOR PORTLAND CEMENT SHALL NOT EXCEED 30% BY WEIGHT OF CEMENT FOR FOOTINGS AND 15% BY WEIGHT OF CEMENT FOR OTHER CONCRETE
F. STRUCTURAL LIGHTWEIGHT CONCRETE SHALL HAVE AN AIR-DRY UNIT WEIGHT, PER ASTM C687, OF 119-120 PCF +/- 3 PCF
G. LIGHTWEIGHT NON-STRUCTURAL CONCRETE TOPPING SHALL HAVE A FRESHLY MIXED WEIGHT OF 80 PCF +/- 3 PCF +/- AIR-DRY DENSITY TO BE 76 PCF, DETERMINE WEIGHTS PER ASTM C687

3. EXECUTION
3.1 INSTALLATION
A. FORMWORK: DESIGN, CONSTRUCT, ERECT, SHORE, BRACE, AND MAINTAIN FORMWORK ACCORDING TO ACI 301
B. GRADED AGGREGATE FILL: INSTALL MINIMUM 4" THICK LAYER OF NUMBER 57 STONE, CLEAN AND WASHED SAND OR CLEAN RIVER ROCK UNDER SLAB UNLESS NOTED OTHERWISE IN THESE SPECIFICATIONS OR THE CONTRACT DRAWINGS. COMPACT AGGREGATE FILL LATER TO 100% STANDARD PROCTOR.
C. VAPOR RETARDER: INSTALL, PROTECT, AND REPAIR UNDER SLAB VAPOR RETARDER SHEETS ACCORDING TO ASTM E1645. PLACE SHEETS IN POSITION WITH THE LONGEST DIMENSION PARALLEL WITH DIRECTION OF POUR
1. DO NOT CUT OR PUNCTURE VAPOR RETARDER. REPAIR DAMAGE AND RESEAL VAPOR RETARDER BEFORE PLACING CONCRETE.
D. STEEL REINFORCEMENT: COMPLY WITH CRSI'S "MANUAL OF STANDARD PRACTICE" FOR FABRICATING, PLACING, AND SUPPORTING REINFORCEMENT
E. JOINTS: INSTALL EXPANSION AND CONTROL JOINTS AS INDICATED ON DRAWINGS AND AS REQUIRED TO CONTROL CRACKING AND ALLOW FOR NORMAL THERMAL EXPANSION AND CONTRACTION
F. CONCRETE PLACEMENT: COMPLY WITH RECOMMENDATIONS IN ACI 308R FOR MEASURING, MIXING, TRANSPORTING, AND PLACING CONCRETE
1. DO NOT ADD WATER TO CONCRETE DURING DELIVERY, AT PROJECT SITE, OR DURING PLACEMENT
2. CONSOLIDATE CONCRETE WITH MECHANICAL VIBRATING EQUIPMENT
G. TOLERANCES: COMPLY WITH ACI 117, "SPECIFICATIONS FOR TOLERANCES FOR CONCRETE CONSTRUCTION AND MATERIALS"
H. GENERAL: PROTECT FRESHLY PLACED CONCRETE FROM PREMATURE DRYING AND EXCESSIVE COLD OR HOT TEMPERATURES. COMPLY WITH ACI 308.1 FOR COLD-WEATHER PROTECTION AND FOLLOW RECOMMENDATIONS IN ACI 308R FOR HOT-WEATHER PROTECTION DURING CURING.
I. CURING METHODS: CURE FORMED AND UNFORMED CONCRETE FOR AT LEAST SEVEN DAYS BY MOISTURE CURING, MOISTURE-RETAINING-COVER CURING, CURING COMPOUND, OR A COMBINATION OF THESE

DIVISION 05 - METALS REFER TO 5 SHEETS

SECTION 05 12 00 - STRUCTURAL STEEL FRAMING 1. REFER TO 5 SHEETS

SECTION 05 40 00 - COLD-FORMED METAL FRAMING

1. GENERAL
1.1 SUMMARY
A. SECTION INCLUDES:
1. EXTERIOR STEEL-STUD WALL FRAMING FOR CLADDING SYSTEM PER DRAWINGS
2. INTERIOR STEEL STUD PARTITION FRAMING GYPSUM WALLBOARD ASSEMBLIES
1.2 SYSTEM DESCRIPTION
A. AISI "SPECIFICATIONS": CALCULATE STRUCTURAL CHARACTERISTICS OF COLD-FORMED METAL FRAMING MEMBERS ACCORDING TO AISI "LOAD AND RESISTANCE FACTOR DESIGN SPECIFICATION FOR COLD-FORMED METAL DECKING"
B. STRUCTURAL PERFORMANCE: ENGINEER, FABRICATE AND ERECT COLD-FORMED METAL FRAMING TO WITHSTAND DESIGN LOADS WITHIN LIMITS AND UNDER CONDITIONS REQUIRED
1. DESIGN FRAMING SYSTEMS TO WITHSTAND DESIGN LOADS WITHOUT LATERAL DEFLECTION GREATER THAN 1/160 OF THE WALL HEIGHT
2. EXTERIOR FRAMING: WIND LOADS: UNIFORM PRESSURE (VELOCITY PRESSURE Q) PER SQ. FT. WITHIN 20 FEET EACH BUILDING CORNER; ACTING INWARDS OR OUTWARDS
3. INTERIOR FRAMING: DESIGN LOADS FOR INTERIOR FRAMING SHALL BE 5 PSF PER SQ.
C. DESIGN FRAMING SYSTEMS TO PROVIDE FOR MOVEMENT OF FRAMING MEMBERS WITHOUT DAMAGE OR OVERSTRESSING. EXTERIOR INSULATION AND FINISHING COMPONENT FAILURE, CONNECTION FAILURE, UNDUCE STRAIN ON FASTENERS AND ANCHORS, OR OTHER DETRIMENTAL EFFECTS WHEN SUBJECT TO A MAXIMUM AMBIENT TEMPERATURE CHANGE (RANGE) OF 50 F (15 C)
D. DESIGN FRAMING SYSTEMS TO ACCOMMODATE DEFLECTION OF PRIMARY BUILDING STRUCTURE AND CONSTRUCTION TOLERANCES, AND TO MAINTAIN CLEARANCES AT OPENING
E. DESIGN EXTERIOR NON-LOAD BEARING FRAMING TO ACCOMMODATE LATERAL DEFLECTION WITHOUT REGARD TO CONTRIBUTION OF EXTERIOR FINISHING SYSTEMS
D. ENGINEER'S RESPONSIBILITY: ENGINEER A FABRICATOR WHO ASSUMES UNDIVIDED RESPONSIBILITY FOR ENGINEERING COLD-FORMED METAL FRAMING BY EMPLOYING A REGISTERED STRUCTURAL ENGINEER IN THE STATE WHERE THE PROJECT OCCURS TO PROVIDE DESIGN CALCULATIONS, SHOP DRAWINGS, AND OTHER STRUCTURAL DATA
1.3 QUALITY ASSURANCE
A. WELDING STANDARDS: COMPLY WITH APPLICABLE PROVISIONS OF AWS D1.1 "STRUCTURAL WELDING CODES" AND AWS D1.3 "STRUCTURAL WELDING CODESHEET STEEL"
B. FIRE RESISTANCE RATINGS: AS INDICATED BY DESIGN DESIGNATIONS LISTED IN UL "FIRE RESISTANCE RATING" BY WARROCK HERSEY INTERTEST OR ANOTHER TESTING AND INSPECTING AGENCY ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION
C. STRUCTURAL ENGINEER QUALIFICATIONS: A STRUCTURAL ENGINEER LEGALLY AUTHORIZED TO PRACTICE IN THE STATE WHERE THE PROJECT OCCURS AND EXPERIENCED IN PROVIDING ENGINEERING SERVICES OF THE KIND INDICATED THAT HAVE RESULTED IN THE INSTALLATION OF COLD-FORMED METAL FRAMING SIMILAR TO THIS PROJECT IN MATERIAL, DESIGN, AND EXTENT AND THAT HAVE A RECORD OF SUCCESSFUL IN-SERVICE PERFORMANCE

2. PRODUCTS
2.1 MATERIALS
A. FOR EXTERIOR FRAMING: GALVANIZED-STEEL SHEET: ASTM A446, ZINC COATED ACCORDING TO ASTM A952 AND AS FOLLOWS:
1. COATING DESIGNATION: G 90
2. GRADE: AS REQUIRED BY STRUCTURAL PERFORMANCE
B. GALVANIZED STEEL STUDS ASTM A446; MANUFACTURER'S STANDARD C-SHAPED STEEL STUDS OF WEB DEPTHS INDICATED, WITH LIPPED FLANGES, AND COMPLYING WITH THE FOLLOWING:
1. DESIGN UNCOATED-STEEL THICKNESS:
A. 0.0258 INCH (20-GAUGE)
B. 0.0474 INCH (18-GAUGE)
C. 0.0698 INCH (16-GAUGE)
2. WEB PUNCHED
C. FOR INTERIOR WALL FRAMING: PRIME-PAINTED STEEL SHEET: ASTM A570 OR ASTM A571, CLEANED, PRETREATED, AND PRIMED WITH MANUFACTURER'S BAKED-ON, LEAD-AND CHROMATE-FREE, RUST-INHIBITIVE PRIMER CONFORMING TO THE PERFORMANCE REQUIREMENTS OF FS TT-P-864
1. GRADE: AS REQUIRED BY STRUCTURAL PERFORMANCE
D. STEEL STUDS: MANUFACTURER'S STANDARD C-SHAPED STEEL STUDS OF WEB DEPTHS INDICATED, WITH LIPPED FLANGES, AND COMPLYING WITH THE FOLLOWING:
1. DESIGN UNCOATED-STEEL THICKNESS:
A. 0.0358 INCH (20-GAUGE)
B. 0.0474 INCH (18-GAUGE)
C. 0.0698 INCH (16-GAUGE)
2. WEB PUNCHED
E. GALVANIZED STEEL TRACK: MANUFACTURER'S STANDARD U-SHAPED STEEL TRACK, UNPUNCHED, OF WEB DEPTHS INDICATED, WITH STRAIGHT FLANGES, AND COMPLYING WITH THE FOLLOWING:
1. DESIGN UNCOATED-STEEL THICKNESS: MATCHING STEEL STUDS
2. FLANGE WIDTH: MANUFACTURER'S STANDARD DEEP FLANGE DEFLECTION TRACK WHERE INDICATED, STANDARD FLANGE ELSEWHERE
F. FRAMING ACCESSORIES, INCLUDING BRACING, BRIDGING, SOLID BLOCKING, PLATES, HANGERS, CLOSERS, REINFORCEMENT PLATES, ANCHORS CLIPS, FASTENERS

3. EXECUTION
3.1 INSTALLATION
A. COLD-FORMED METAL FRAMING MAY BE SHOP OR FIELD FABRICATED FOR INSTALLATION, OR IT MAY BE FIELD ASSEMBLED
B. INSTALL COLD-FORMED METAL FRAMING AND ACCESSORIES PLUMB, SQUARE, TRUE TO LINE, AND WITH CONNECTIONS SECURELY FASTENED, ACCORDING TO MANUFACTURER'S RECOMMENDATIONS AND THE REQUIREMENTS OF THIS SECTION
1. CUT FRAMING MEMBERS BY SAWING OR SHEARING, DO NOT TORCH CUT
2. FASTEN COLD-FORMED METAL FRAMING MEMBERS BY WELDING OR SCREW FASTENING, AS STANDARD WITH FABRICATOR, WIRE TYING OF FRAMING MEMBERS IS NOT PERMITTED
A. COMPLY WITH AISI REQUIREMENTS AND PROCEDURES FOR WELDING, APPEARANCE AND QUALITY OF WELDS, AND METHODS USED IN CORRECTING WELDING WORK
B. LOCATE MECHANICAL FASTENERS AND INSTALL ACCORDING TO COLD-FRAMED METAL FRAMING MANUFACTURER'S INSTRUCTIONS WITH SCREW PENETRATION JOINED MEMBERS BY NOT LESS THAN 3 EXPOSED SCREW THREADS
C. INSTALL FRAMING MEMBERS IN ONE-PIECE LENGTHS, UNLESS SPLICE CONNECTIONS ARE INDICATED FOR TRACK OR TENSION MEMBERS
D. PROVIDE TEMPORARY BRACING AND LEAVE IN PLACE UNTIL FRAMING IS PERMANENTLY STABILIZED
E. FASTEN REINFORCEMENT PLATE OVER WEB PENETRATIONS THAT EXCEED SIZE OF MANUFACTURER'S STANDARD PUNCHED OPENINGS
F. ERECTION TOLERANCES: INSTALL COLD-FORMED METAL FRAMING TO A MAXIMUM ALLOWABLE TOLERANCE VARIATION FROM PLUMB, LEVEL, AND TRUE TO LINE OF 1/8 INCH IN 10 FEET AND AS FOLLOWS:
1. SPACE INDIVIDUAL FRAMING MEMBERS NO MORE THAN PLUS OR MINUS 1/8 INCH FROM PLAN LOCATION
2. CUMULATIVE ERROR SHALL NOT EXCEED MINIMUM FASTENING REQUIREMENTS OF SHEATHING OR OTHER FINISHING MATERIALS

3.2 INSTALLATION (EXTERIOR WALL)
A. INSTALL CONTINUOUS TRACKS SIZED TO MATCH STUDS, ALIGN TRACKS ACCURATELY AND SECURELY ANCHOR TO SUPPORTING STRUCTURE AS INDICATED
B. SQUARELY SEAT STUDS AGAINST WEBS OF TOP AND BOTTOM TRACKS. FASTEN BOTH FLANGES OF STUDS TO TOP AND BOTTOM TRACK UNLESS OTHERWISE INDICATED. SPACE STUDS AS FOLLOWS:
1. STUD SPACING: SEE DRAWINGS
C. SET STUDS PLUMB EXCEPT AS NEEDED FOR DIAGONAL BRACING OR REQUIRED FOR NONPLUMB WALLS OR WARPED SURFACES AND SIMILAR REQUIREMENTS
D. ISOLATE STEEL FRAMING FROM BUILDING STRUCTURE AT LOCATIONS INDICATED TO PREVENT TRANSFER OF VERTICAL LOADS WHILE PROVIDING LATERAL SUPPORT
1. CONNECT STUDS WITH VERTICAL SLIDE CLIPS TO CONTINUOUS ANGLES OR SUPPLEMENTARY FRAMING ANCHORED TO BUILDING STRUCTURE
E. INSTALL HORIZONTAL BRIDGING IN CURTAINWALL STUDS, SPACED IN ROWS NOT MORE THAN 48 INCH APART, FASTEN AT EACH STUD INTERSECTION
1. BRIDGING: COMBINATION OF FLAT, STEEL-SHEET STRIPS OF WIDTH AND THICKNESS INDICATED AND STUD-TRACK BLOCKING OF WIDTH AND THICKNESS MATCHING STUDS, FASTEN FLAT STRIPS TO STUD FLANGES AND SECURELY SOLID BLOCKING TO STUD WEBS OR PLAINS
F. INSTALL MISCELLANEOUS FRAMING AND CONNECTIONS, INCLUDING STUD KICKERS, WEB STIFFENERS, CLIP ANGLES, CONTINUOUS ANGLES, ANCHORS, FASTENERS, AND GRID TO PROVIDE A COMPLETE AND STABLE CURTAINWALL-FRAMING SYSTEM
G. ERECTION TOLERANCES: BOLT OR WEB FRAMING AT HORIZONTAL AND VERTICAL JUNCTURES TO PRODUCE FLUSH, EVEN, TRUE-TO-LINE JOINTS
1. MAXIMUM VARIATION IN PLANE AND TRUE POSITION BETWEEN PREFABRICATED ASSEMBLIES SHOULD NOT EXCEED 1/16"

3.3 INSTALLATION (INTERIOR WALL)
A. INSTALL CONTINUOUS TOP AND BOTTOM TRACKS SIZED TO MATCH STUDS, ALIGN TRACKS ACCURATELY AND FASTEN AT EACH STUD INTERSECTION AND AT SPACING RECOMMENDED BY THE MANUFACTURER, BUT NOT GREATER THAN 24 INCHES FOR PNEUMATICALLY DRIVEN ANCHORS
B. SQUARELY SEAT STUDS AGAINST WEBS OF TOP AND BOTTOM TRACKS. FASTEN BOTH FLANGES OF STUDS TO TOP AND BOTTOM TRACK UNLESS OTHERWISE INDICATED ON DRAWINGS
C. SET STUDS PLUMB EXCEPT AS NEEDED FOR DIAGONAL BRACING OR REQUIRED FOR NONPLUMB WALLS OR WARPED SURFACES AND SIMILAR REQUIREMENTS
D. ISOLATE STEEL FRAMING FROM BUILDING STRUCTURE AT LOCATIONS INDICATED TO PREVENT TRANSFER OF VERTICAL LOADS WHILE PROVIDING LATERAL SUPPORT
E. INSTALL SUPPLEMENTARY FRAMING, BLOCKING, AND BRACING IN STUD FRAMING INDICATED TO SUPPORT FIXTURES, EQUIPMENT, SERVICES, CASEWORK, HEAVY TRIM, FURNISHINGS, AND SIMILAR WORK REQUIRING ATTACHMENT TO FRAMING
F. INSTALL MISCELLANEOUS FRAMING AND CONNECTIONS, INCLUDING SUPPLEMENTARY FRAMING, WEB STIFFENERS, CLIP ANGLES, CONTINUOUS ANGLES, ANCHORS, AND FASTENERS, TO PROVIDE A COMPLETE AND STABLE WALL-FRAMING SYSTEM
3.4 REPAIRS
A. GALVANIZING REPAIRS: PREPARE AND REPAIR DAMAGED GALVANIZED COATINGS ON FABRICATED AND INSTALLED COLD-FORMED METAL FRAMING WITH GALVANIZING REPAIR PAINT ACCORDING TO ASTM A780 AND THE MANUFACTURER'S INSTRUCTIONS
B. TOUCHUP PAINTING: WIRE BRUSH, CLEAN, AND PAINT SCARRED AREAS, WELDS, AND RUST SPOTS ON FABRICATED AND INSTALLED PRIME-PAINTED, COLD-FORMED METAL FRAMING
1. TOUCHUP PAINTED SURFACES WITH SAME TYPE OF SHOP PAINT USED ON ADJACENT SURFACES
3.5 FIELD QUALITY CONTROL
A. TESTING AND INSPECTION LABORATORY: A QUALIFIED INDEPENDENT TESTING AND INSPECTION LABORATORY EMPLOYED AND PAID BY OWNER WILL PERFORM FIELD QUALITY-CONTROL TESTING
B. FIELD AND SHOP WELDS WILL BE SUBJECT TO INSPECTION AND TESTING
C. TESTING LABORATORY WILL REPORT TEST RESULTS PROMPTLY AND IN WRITING TO CONTRACTOR AND ARCHITECT
D. REMOVE AND REPLACE WORK THAT DOES NOT COMPLY WITH SPECIFIED REQUIREMENTS
E. ADDITIONAL TESTING WILL BE PERFORMED TO DETERMINE COMPLIANCE OF CORRECTED WORK WITH SPECIFIED REQUIREMENTS
3.6 PROTECTION
A. PROVIDE FINAL PROTECTION AND MAINTAIN CONDITIONS IN A MANNER ACCEPTABLE TO MANUFACTURER AND INSTALLER TO ENSURE THAT COLD-FORMED METAL FRAMING IS WITHOUT DAMAGE OR DETERIORATION AT THE TIME OF SUBSTANTIAL COMPLETION

SECTION 05 80 00 - ORNAMENTAL METALS
1. GENERAL
1.1 SUMMARY
A. METAL FABRICATIONS INCLUDES ITEMS MADE FROM IRON AND STEEL SHAPES, PLATES, BARS, STRIPS, TUBES, PIPES AND CASTINGS WHICH ARE NOT A PART OF STRUCTURAL STEEL OR METAL SYSTEMS SPECIFIED ELSEWHERE
1.2 SUBMITTALS
A. SUBMIT SHOP DRAWINGS FOR EACH FABRICATION AND PRODUCT DATA FOR EACH MATERIAL
1.3 QUALITY ASSURANCE
A. WELDING STANDARDS: COMPLY WITH APPLICABLE PROVISIONS OF AWS D1.1 "STRUCTURAL WELDING CODE SHEET" AND AWS D1.3 "STRUCTURAL WELDING CODE SHEET"
2. PRODUCTS
2.1 MATERIALS
A. STEEL SHAPES, PLATES AND BARS: ASTM A36
B. STRUCTURAL STEEL SHEET: HOT ROLLED, ASTM A570; OR COLD ROLLED, ASTM A611, CLASS 1, OF GRADE REQUIRED FOR DESIGN LOADING
C. STEEL PIPE: ASTM A53, TYPE S SEAMLESS, GRADE AS SELECTED BY FABRICATOR AND AS REQUIRED FOR DESIGN LOADING; MINIMUM STANDARD WEIGHTS, STD OR SCHEDULE 40
D. STEEL TUBING: COLD FORMED ASTM A500, OR HOT ROLLED, ASTM A501; MINIMUM GRADE B; SEAMLESS WHERE EXPOSED
E. FASTENERS AND ROUGH HARDWARE: TYPE REQUIRED FOR SPECIFIC USAGE, PROVIDE ZINC-COATED FASTENERS FOR EXTERIOR USE OR WHERE BUILT INTO EXTERIOR WALLS
F. GRIND EXPOSED WELDS CONTINUOUS, SMOOTH AND FLUSH WITH ADJACENT FINISHED SURFACES, AND EASE EXPOSED EDGES TO APPROXIMATE 1/32" UNIFORM RADIUS
G. EXPOSED MECHANICAL FASTENERS: FLUSH COUNTERSINK; FASTENERS UNOBTRUSIVELY LOCATED, CONSISTENT WITH DESIGN OF STRUCTURE
H. LADDERS: COMPLY WITH ANSI A14.3 AND OSHA. FINISHES AS SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE OF AVAILABLE FINISHES
1. ROOF LADDER: RETRACTABLE ALUMINUM ACCESS LADDER WITH ROOF HATCH, ALACO LADDER COMPANY OR EQUAL (MIL FINISH) CONTRACTOR RESPONSIBLE TO DETERMINE CORRECT LENGTH, PLATFORM RETURN CONFIGURATION, AND ATTACHMENT DETAIL. ALL LADDERS TO COMPLY WITH ALACO SPECIFICATION #660 OR EQUAL
I. FINISHES: UNLESS OTHERWISE SCHEDULED, GALVANIZE AND PRIME PAINT EXTERIOR STEEL WORK AND PRIME PAINT INTERIOR WORK
1. PROVIDE MINIMUM ASTM A123 OR A646 AND A663 G90 GALVANIZED COATING; IRON AND STEEL HARDWARE GALVANIZED CONFORMING WITH ASTM A153
J. MISCELLANEOUS FRAMING & SUPPORTS, INCLUDING UNISTRUT
3. EXECUTION
3.1 INSTALLATION
A. FIELD BOLT AND WELD TO MATCH STANDARD OF SHOP BOLTING AND WELDING, HIDE BOLTS AND SCREWS WHENEVER POSSIBLE, WHERE NOT HIDDEN, USE FLUSH COUNTERSINK FASTENINGS
B. PERFORM FIELD WELDING IN ACCORDANCE WITH AWS D1.1

DIVISION 06 - WOOD, PLASTICS, AND COMPOSITES
SECTION 06 10 00 - ROUGH CARPENTRY
1. GENERAL
1.1 SUMMARY
A. THIS SECTION INCLUDES MINOR GRADING AND FINISHING STANDARDS FOR ROUGH CARPENTRY. REVIEW LOCAL CODES FOR ADDITIONAL REQUIREMENTS.
WOOD GROUPINGS, NAILERS AND BLOCKS
1.2 QUALITY ASSURANCE
A. WOOD AND FINISH MUST BE GRADE MARKED BY ONE OF THE FOLLOWING ASSOCIATIONS OR STANDARDS
B. WPA - WOOD PRODUCTS ASSOCIATION
C. WCLB - WEST COAST LUMBER INSPECTION BUREAU STANDARD GRADING RULES NO. 17
D. WOOD STANDARD: COMPLY WITH PS-1 (ANSI A199.1) AND GRADE MARKED BY THE ENGINEERED WOOD ASSOCIATION (EWA)
2. PRODUCTS
2.1 MATERIALS
A. PROVIDE ROUGH DIMENSIONAL THAT IS SEASONED TO HAVE A MOISTURE CONTENT OF NO MORE THAN 19% AND IS MARKED EITHER "S-DRY" PER THE WCLB OR "10" OR "8" DRY" PER THE WPA
B. PROVIDE DIMENSIONAL LUMBER PER THE NATIONAL GRADING RULE FOR DIMENSIONAL LUMBER AND PS 20.
1. STRUCTURAL LIGHT FRAMING: DOUGLAS FIR - HEMLOCK, NO. 1 GRADE PER THE WPA AND WCLB NOT TO EXCEED DESIGN VALUES DESCRIBED IN THE WPA PRODUCT USE MANUAL
2. LIGHT FRAMING: DOUGLAS FIR - HEMLOCK, STANDARD & BETTER (STANDARD & BTR) AND STUD GRADE, PER THE WPA OR CONSTRUCTION OR STANDARD GRADES FOR THE WCLB
3. SILL ON CONCRETE OR BLOCKING IN EXTERIOR ASSEMBLIES: PRESSURE TREATED DOUGLAS FIR - HEMLOCK, NO. 2 GRADE OR BETTER PER THE WPA THAT COMPLIES WITH WPA PRESSURE IMPREGNATION CONTAINING NO UREA-FORMALDEHYDE, TYP.
4. FIRE RETARDANT TREATMENT (F.T.): COMPLY WITH WPA STANDARDS FOR PRESSURE IMPREGNATION CONTAINING NO UREA-FORMALDEHYDE TO ACHIEVE FLAME SPREAD RATINGS OF NOT MORE THAN 25 IN ACCORDANCE WITH ASTM E84 OR UL723
C. PROVIDE PSI APA RATED PLYWOOD IN THE THICKNESS DESCRIBED ON THE CONTRACT DRAWINGS AND AS REQUIRED BY CODE. GRADES AND LOCATIONS WILL BE AS FOLLOWS UNLESS NOTED OTHERWISE:
1. EXTERIOR WALLS, ROOFS, AND SUBFLOORING: APA STRUCTURAL I RATED SHEATHING, EXP. 1, C-D
2. MARINE GRADE PLYWOOD: APA MARINE EXT. A-B
3. PLYWOOD BACKING PANELS: APA CD PLYUSED EXPOSURE 1 FRT.
D. NAILS, SPIKES, AND STAPLES: GALVANIZED AND CONFORMING TO REQUIREMENTS OF ASTM F1667 AND ARTICLE 2303.6 - IBC 2009. PROVIDE SIZE AND TYPE TO SUITE APPLICATION
1. INSTALL CONTINUOUS SILL SEALER GASKET AT TOP OF FOUNDATION WALL (UNDER SILL FRAMING) AND AT TOP OF WALL PENETRATIONS (UNDER WINDOW SILL AND LOUVER BLOCKING.
E. FRAMING, ANCHORS, AND FASTENERS, INCLUDING BOLTS, NUTS, WASHERS, LAGS, PINS, AND SCREWS - MEDIUM CARBON STEELS, GALVANIZED, SIZE AND TYPE TO SUITE APPLICATION
F. SILL SEALER GASKETS
3. EXECUTION
3.1 INSTALLATION
A. PROVIDE WOOD NAILERS OF SIZE, SHAPE WHERE INDICATED, REQUIRED
B. FASTEN SECURELY TO SUBSTRATE WITH APPROPRIATE FASTENERS. USE EXPANSION-TYPE ANCHORS AT MASONRY OR CONCRETE. SELF-TAPPING SCREWS AT STEEL. USE CORROSION-RESISTANT FASTENERS FOR ROOFING APPLICATIONS OR WHERE OTHERWISE EXPOSED TO MOISTURE.
C. INSTALL WORK THAT IS COMPONENT OF THE ROOFING SYSTEM ACCORDING TO ROOFING MATERIAL MANUFACTURER'S CURRENT PRINTED INSTRUCTIONS
D. INSTALL BLOCKING FOR WINDOWS, STOREFRONT AND ENTRANCES ACCORDING TO APPROVED SHOP DRAWINGS. BLOCKING SHALL BE CONTINUOUS THE WIDTH OR HEIGHT OF ROUGH OPENINGS, UNLESS OTHERWISE SHOWN ON DRAWINGS. INSTALL SILL SEALER UNDER WINDOW SILL BLOCKING AS DETAILED
E. INSTALL BLOCKING FOR FINISH MATERIALS, SUCH AS WINDOWS AND SHEET METAL FASCAS, WITH MINIMUM NUMBER OF JOINTS, PLUMB AND LEVEL, TRUE AND STRAIGHT WITH NO DISTORTIONS. DISCARD MATERIALS WHICH ARE UNSOUND, WARPED, BOWED, TWISTED, IMPROPERLY TREATED, AND NOT ADEQUATELY SEASONED.

SECTION 06 40 00 - ARCHITECTURAL WOODWORK

1. GENERAL
1.1 SUMMARY
A. SECTION INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING ITEMS OF ARCHITECTURAL WOODWORK:
1. CASEWORK
2. PRE-MANUFACTURED CASEWORK
3. SOLID SURFACE COUNTER TOPS
4. DECORATIVE LAMINATE FOR CEILING FEATURE, MISC. MILLWORK, AND CABINETS
1.2 SUBMITTALS
A. SUBMIT SHOP DRAWINGS
B. SUBMIT SAMPLES FOR EACH EXPOSED PRODUCT
C. SUBMIT PRODUCT DATA FOR EACH HARDWARE PRODUCT
1.3 QUALITY ASSURANCE
A. ALL WORK IN THIS SECTION SHALL COMPLY WITH PREMIUM GRADE QUALITY OF THE CURRENT EDITION OF THE AWI QUALITY STANDARDS ILLUSTRATED
B. MANUFACTURERS AND INSTALLERS SHALL DEMONSTRATE SUCCESSFUL EXPERIENCE WITH WORK OF COMPARABLE EXTENT, COMPLEXITY AND QUALITY TO THAT SHOWN AND SPECIFIED
C. MANUFACTURERS AND INSTALLERS ARE MEMBERS AND WHO ARE IN GOOD STANDING WITH THE ARCHITECTURAL WOODWORK INSTITUTE AND ARE FAMILIAR WITH THIS STANDARD
D. STORE MATERIALS INDOORS, IN VENTILATED AREAS WITH CONSTANT BUT MINIMUM TEMPERATURE OF 60 DEGREES F AND A MAXIMUM RELATIVE HUMIDITY OF 25% TO 55%
1.4 PROJECT CONDITIONS
A. ENVIRONMENTAL LIMITATIONS: DO NOT DELIVER OR INSTALL WOODWORK UNTIL BUILDING IS ENCLOSED, WET-WEATHER IS COMPLETE, AND HVAC SYSTEM IS OPERATIONAL AND WILL MAINTAIN TEMPERATURE AND RELATIVE HUMID AT OCCUPANCY LEVELS DURING THE REMAINDER OF THE CONSTRUCTION PERIOD
1.5 ENVIRONMENTAL REQUIREMENTS
A. COMPOSITE WOOD AND AGR-FIBER PRODUCTS MUST NOT CONTAIN ANY UREA-FORMALDEHYDE RESINS
B. ADHESIVES AND SEALANTS MUST ADHERE TO RULE 168 OF CALIFORNIA'S SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (RULE 1168) VOC REQUIREMENTS
2. PRODUCTS
2.1 MATERIALS
A. GENERAL: PROVIDE MATERIALS THAT COMPLY WITH REQUIREMENTS OF THE AWI WOODWORKING STANDARD FOR EACH TYPE OF WOODWORK AND QUALITY GRADE INDICATED AND WHERE THE FOLLOWING PRODUCTS ARE PART OF WOODWORK WITH REQUIREMENTS OF THE REFERENCED PRODUCT STANDARDS THAT APPLY TO PRODUCT CHARACTERISTICS INDICATED
B. WOOD SPECIES FOR STANDING AND RUNNING TRIM AND JAMBS AND FRAMES: ANY CLOSED-GRAIN HARDWOOD LISTED IN REFERENCED WOODWORKING STANDARD UNLESS NOTED OTHERWISE ON THE CONTRACT DRAWINGS
C. LUMBER PRODUCTS: WHERE INDICATED, USE MATERIALS PRESSURE-IMPREGNATED WITH INTERIOR TYPE A FIRE-RETARDANT CHEMICAL TO COMPLY WITH AFWA C20 KILN DRIED MATERIAL AFTER TREATMENT PER AWI SECTION 100 LUMBER GRACES TO A MOISTURE CONTENT OF 6%-10% UNLESS NOTED OTHERWISE. GRADES PER AWI 400A-1-1 STANDARDS ARE AS FOLLOWS:
1. EXPOSED SURFACES: PREMIUM
2. SEMI-EXPOSED SURFACES: PREMIUM
3. CONCEALED SURFACES: ECONOMY
D. PANEL PRODUCTS: CORE MATERIAL FOR HIGH PRESSURE DECORATIVE LAMINATE (HPDL) CABINET FROM GRADE AA VENEER PLYWOOD OR HIGH DENSITY FIBER BOARD (HDF) MOISTURE RESISTANT INDUSTRIAL GRADE PARTICLEBOARD (MDF) ANSI A208.1 PER AWI SECTION 400 STANDARDS
E. FASTENERS AND ANCHORAGES: PROVIDE NAILS, SCREWS AND OTHER ANCHORING DEVICES OF THE PROPER TYPE, SIZE, MATERIAL, AND FINISH FOR APPLICATION INDICATED TO PROVIDE SECURE ATTACHMENT, CONCEALED WHERE POSSIBLE
F. ADHESIVE FOR BONDING PLASTIC LAMINATE: CONTACT CEMENT
2.2 PLASTIC LAMINATE CLAD CABINETS AND CASEWORK
A. QUALITY STANDARD: COMPLY WITH AWI REQUIREMENTS FOR LAMINATE-CLAD CABINETS
2.3 PLASTIC LAMINATE MATERIALS
A. PLASTIC LAMINATE: COMPLY WITH NEMA LD-3; SHALL BE OF TYPES AND THICKNESS INDICATED FOR EACH APPLICATION
B. PLASTIC LAMINATE FOR BASES AND DIVIDERS SHALL BE 0.0625 INCH THICK, GENERAL PURPOSE TYPE (HIGH-PRESSURE)
C. PLASTIC LAMINATE FOR EXTERNAL VERTICAL SURFACES: 0.0625-INCH MINIMUM THICK, GENERAL PURPOSE TYPE (HIGH-PRESSURE)
D. PLASTIC LAMINATE FOR CABINET LININGS: CHEMICAL RESISTANT PLASTIC, 0.0625 INCH THICK, CABINET LINER TYPE (HIGH-PRESSURE)
E. PLASTIC LAMINATE FOR CONCEALED PANEL BACKINGS: 0.020 INCH THICK, BACKER TYPE (HIGH-PRESSURE)
F. PLASTIC LAMINATE EXTERIOR SHALL BE OF COLORS, PATTERNS AND FINISHES AS INDICATED ON THE CONTRACT DRAWINGS

SECTION 06 20 00 - FINISHED CARPENTRY
1. GENERAL
1.1 SUMMARY
A. THIS SECTION INCLUDES PERFORMANCE AND INSTALLATION CRITERIA FOR FINISHED CARPENTRY ELEMENTS
1.2 SUBMITTALS
A. SUBMIT SAMPLES AND SHOP DRAWINGS
1.3 QUALITY ASSURANCE
A. ALL WORK IN THIS SECTION SHALL COMPLY WITH PREMIUM GRADE QUALITY OF THE CURRENT EDITION OF THE AWI QUALITY STANDARDS ILLUSTRATED
B. MANUFACTURERS AND INSTALLERS SHALL DEMONSTRATE SUCCESSFUL EXPERIENCE WITH WORK OF COMPARABLE EXTENT, COMPLEXITY AND QUALITY TO THAT SHOWN AND SPECIFIED
C. MANUFACTURERS AND INSTALLERS ARE MEMBERS AND WHO ARE IN GOOD STANDING WITH THE ARCHITECTURAL WOODWORK INSTITUTE AND ARE FAMILIAR WITH THIS STANDARD
D. STORE MATERIALS INDOORS, IN VENTILATED AREAS WITH CONSTANT BUT MINIMUM TEMPERATURE OF 60 DEGREES F AND A MAXIMUM RELATIVE HUMIDITY OF 25% TO 55%
2. PRODUCTS
2.1 MATERIALS
A. WOOD TRIM AND JAMBS:
1. EXTERIOR: TRANSPARENT FINISHED: FOR SEMI-TRANSPARENT STAIN
2. QUALITY: AWI PREMIUM GRADE
3. WOOD TYPE AND FINISH ON DRAWINGS
4. INTERIOR: TRANSPARENT AND STAINED FINISHED QUALITY: AWI PREMIUM GRADE
5. WOOD TYPE AND FINISH ON DRAWINGS
B. WOOD PANEL PRODUCTS
1. QUALITY: AWI PREMIUM GRADE, GRADE 1
2. WOOD TYPE AND FINISH ON DRAWINGS
C. MATCHING: BOOK MATCH UNLESS OTHERWISE NOTED ON CONTRACT DOCUMENTS
D. ANCHORS, NAILS AND SCREWS: SELECTED MATERIALS, SIZE AND FINISH REQUIRED BY EACH SUBSTRATE FOR PROPER ANCHORAGE; PROVIDE TOP OF STEEL HEAD EXPANSION BOLT SCREWS FOR DRILLED-IN-LACE ANCHORS
E. WOOD FILLER: COLOR TO MATCH WOOD BEING FILLED
F. USE EXPOSED FASTENING DEVICES: NAILS ONLY WHEN APPROVED AND UNAVOIDABLE; ARRANGE NEATLY
3. EXECUTION
3.1 INSTALLATION
A. INSTALL WORK CONSISTENT WITH SPECIFIED AWI QUALITY GRADE, PLUMB, LEVEL TRUE AND STRAIGHT WITH NO DISTORTIONS UNLESS AS REQUIRED, USING CONCEALED SHIMS
B. INSTALL TRIM IN SINGLE, UNJOINTED LENGTHS FOR OPENINGS AND FOR RUNS LESS THAN 10'-0"
C. FOR LONGER RUNS, USE ONLY ONE PIECE LESS THAN 10'-0" IN ANY STRAIGHT RUN; PROVIDE SCARP JOINTS BETWEEN MEMBERS
D. VARIATION FROM TRUE POSITION: MAXIMUM 1/16" AT ANY POSITION AND MAXIMUM 1/8" IN ANY 10'-0" LENGTH
E. APPLY WOOD FILLER IN EXPOSED NAIL AND SCREW INDENTATIONS AND LEAVE READY TO RECEIVE SITE-APPLIED FINISHES

SECTION 06 40 00 - ARCHITECTURAL WOODWORK
1. GENERAL
1.1 SUMMARY
A. SECTION INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING ITEMS OF ARCHITECTURAL WOODWORK:
1. CASEWORK
2. PRE-MANUFACTURED CASEWORK
3. SOLID SURFACE COUNTER TOPS
4. DECORATIVE LAMINATE FOR CEILING FEATURE, MISC. MILLWORK, AND CABINETS
1.2 SUBMITTALS
A. SUBMIT SHOP DRAWINGS
B. SUBMIT SAMPLES FOR EACH EXPOSED PRODUCT
C. SUBMIT PRODUCT DATA FOR EACH HARDWARE PRODUCT
1.3 QUALITY ASSURANCE
A. ALL WORK IN THIS SECTION SHALL COMPLY WITH PREMIUM GRADE QUALITY OF THE CURRENT EDITION OF THE AWI QUALITY STANDARDS ILLUSTRATED
B. MANUFACTURERS AND INSTALLERS SHALL DEMONSTRATE SUCCESSFUL EXPERIENCE WITH WORK OF COMPARABLE EXTENT, COMPLEXITY AND QUALITY TO THAT SHOWN AND SPECIFIED
C. MANUFACTURERS AND INSTALLERS ARE MEMBERS AND WHO ARE IN GOOD STANDING WITH THE ARCHITECTURAL WOODWORK INSTITUTE AND ARE FAMILIAR WITH THIS STANDARD
D. STORE MATERIALS INDOORS, IN VENTILATED AREAS WITH CONSTANT BUT MINIMUM TEMPERATURE OF 60 DEGREES F AND A MAXIMUM RELATIVE HUMIDITY OF 25% TO 55%
1.4 PROJECT CONDITIONS
A. ENVIRONMENTAL LIMITATIONS: DO NOT DELIVER OR INSTALL WOODWORK UNTIL BUILDING IS ENCLOSED, WET-WEATHER IS COMPLETE, AND HVAC SYSTEM IS OPERATIONAL AND WILL MAINTAIN TEMPERATURE AND RELATIVE HUMID AT OCCUPANCY LEVELS DURING THE REMAINDER OF THE CONSTRUCTION PERIOD
1.5 ENVIRONMENTAL REQUIREMENTS
A. COMPOSITE WOOD AND AGR-FIBER PRODUCTS MUST NOT CONTAIN ANY UREA-FORMALDEHYDE RESINS
B. ADHESIVES AND SEALANTS MUST ADHERE TO RULE 168 OF CALIFORNIA'S SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (RULE 1168) VOC REQUIREMENTS
2. PRODUCTS
2.1 MATERIALS
A. GENERAL: PROVIDE MATERIALS THAT COMPLY WITH REQUIREMENTS OF THE AWI WOODWORKING STANDARD FOR EACH TYPE OF WOODWORK AND QUALITY GRADE INDICATED AND WHERE THE FOLLOWING PRODUCTS ARE PART OF WOODWORK WITH REQUIREMENTS OF THE REFERENCED PRODUCT STANDARDS THAT APPLY TO PRODUCT CHARACTERISTICS INDICATED
B. WOOD SPECIES FOR STANDING AND RUNNING TRIM AND JAMBS AND FRAMES: ANY CLOSED-GRAIN HARDWOOD LISTED IN REFERENCED WOODWORKING STANDARD UNLESS NOTED OTHERWISE ON THE CONTRACT DRAWINGS
C. LUMBER PRODUCTS: WHERE INDICATED, USE MATERIALS PRESSURE-IMPREGNATED WITH INTERIOR TYPE A FIRE-RETARDANT CHEMICAL TO COMPLY WITH AFWA C20 KILN DRIED MATERIAL AFTER TREATMENT PER AWI SECTION 100 LUMBER GRACES TO A MOISTURE CONTENT OF 6%-10% UNLESS NOTED OTHERWISE. GRADES PER AWI 400A-1-1 STANDARDS ARE AS FOLLOWS:
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D. PANEL PRODUCTS: CORE MATERIAL FOR HIGH PRESSURE DECORATIVE LAMINATE (HPDL) CABINET FROM GRADE AA VENEER PLYWOOD OR HIGH DENSITY FIBER BOARD (HDF) MOISTURE RESISTANT INDUSTRIAL GRADE PARTICLEBOARD (MDF) ANSI A208.1 PER AWI SECTION 400 STANDARDS
E. FASTENERS AND ANCHORAGES: PROVIDE NAILS, SCREWS AND OTHER ANCHORING DEVICES OF THE PROPER TYPE, SIZE, MATERIAL, AND FINISH FOR APPLICATION INDICATED TO PROVIDE SECURE ATTACHMENT, CONCEALED WHERE POSSIBLE
F. ADHESIVE FOR BONDING PLASTIC LAMINATE: CONTACT CEMENT
2.2 PLASTIC LAMINATE CLAD CABINETS AND CASEWORK
A. QUALITY STANDARD: COMPLY WITH AWI REQUIREMENTS FOR LAMINATE-CLAD CABINETS
2.3 PLASTIC LAMINATE MATERIALS
A. PLASTIC LAMINATE: COMPLY WITH NEMA LD-3; SHALL BE OF TYPES AND THICKNESS INDICATED FOR EACH APPLICATION
B. PLASTIC LAMINATE FOR BASES AND DIVIDERS SHALL BE 0.0625 INCH THICK, GENERAL PURPOSE TYPE (HIGH-PRESSURE)
C. PLASTIC LAMINATE FOR EXTERNAL VERTICAL SURFACES: 0.0625-INCH MINIMUM THICK, GENERAL PURPOSE TYPE (HIGH-PRESSURE)
D. PLASTIC LAMINATE FOR CABINET LININGS: CHEMICAL RESISTANT PLASTIC, 0.0625 INCH THICK, CABINET LINER TYPE (HIGH-PRESSURE)
E. PLASTIC LAMINATE FOR CONCEALED PANEL BACKINGS: 0.020 INCH THICK, BACKER TYPE (HIGH-PRESSURE)
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SECTION 06 40 00 - ARCHITECTURAL WOODWORK
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F. ADHESIVE FOR BONDING PLASTIC LAMINATE: CONTACT CEMENT
2.2 PLASTIC LAMINATE CLAD CABINETS AND CASEWORK
A. QUALITY STANDARD: COMPLY WITH AWI REQUIREMENTS FOR LAMINATE-CLAD CABINETS
2.3 PLASTIC LAMINATE MATERIALS
A. PLASTIC LAMINATE: COMPLY WITH NEMA LD-3; SHALL BE OF TYPES AND THICKNESS INDICATED FOR EACH APPLICATION
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