

03300 CAST-IN-PLACE CONCRETE SHALL BE PERFORMED IN COMPLIANCE WITH A.C.I. 301 STANDARDS. SUBMIT DATA ON ADMIXTURES AND CONCRETE DESIGN MIXES FOR EACH CONCRETE PORTLAND AND TYPE REQUIRED. CEMENT SHALL BE ASTM C150 TYPE 1 NORMAL, PORTLAND CEMENT; GRAY IN COLOR. AGGREGATE SHALL CONFORM WITH ASTM C33 AND WATER SHALL BE CLEAN AND FREE FROM OILS, ACIDS, SALTS, ORGANIC MATERIAL AND OTHER DELETERIOUS SUBSTANCES. BONDING AGENTS, VAOR BARRIER, GROUT, AND JOINT FILLERS SHALL COMPLY WITH ASTM STANDARDS. CONCRETE AT STAIRS SHALL BE 4000 PSI DESIGN PER ASTM C34. CONCRETE SHALL BE PLACED WITHIN 1 HOUR OF ADDING WATER TO THE MIX. ADDITION OF WATER AT SITE SHALL BE LIMITED TO ONE GALLON PER CUBIC YARD AND SHALL ONLY BE AS AUTHORIZED BY MATERIAL PRODUCER SO AS TO NOT REDUCE CONCRETE STRENGTH. PLACE CONCRETE IN ACCORDANCE WITH A.C.I. 301. ANCHOR, STAYS, PLATES REINFORCEMENT AND OTHER ITEMS CAST INTO THE CONCRETE SHALL COMPLY WITH C.R.S.I. MANUAL OF STANDARD PRACTICE. FINISH SURFACES OF FORMED CONCRETE TO A SMOOTH TROWEL FINISH FREE FROM IMPERFECT JOINTS, FINS, HONEYCOMBING, AIR POCKETS, OR OTHER IMPERFECTIONS COMPLYING WITH ASTM AND ACI STANDARDS. FLOOR FINISH SHALL BE IN ACCORDANCE WITH ACI 301. CONCRETE SHALL BE CURED WITH MEMBRANE CURING COMPOUND; ASTM C309, TYPE 1-D, CLASS B. CLEAR RESIN TYPE KUREZ DR MANUFACTURED BE EUCILD CHEMICAL CO. OR APPROVED EQUAL.

04810 PROVIDE SPLIT-FACE AND STANDARD DIMENSIONAL UNIT MASONRY AS INDICATED. SUBMIT SAMPLES, PRODUCT DATA, AND TEST REPORTS FOR APPROVAL. COMPLY WITH GOVERNING CODES AND REGULATIONS. PROVIDE PRODUCTS OF ACCEPTABLE MANUFACTURERS WHICH HAVE BEEN IN SATISFACTORY USE IN SIMILAR SERVICE FOR THREE YEARS. USE EXPERIENCED INSTALLERS. DELIVER, HANDLE, AND STORE MATERIALS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. STANDARD DIMENSIONAL CONCRETE BLOCK SHALL BE NORMALWEIGHT, ASTM C AND C 90 TYPE II, GRADE M, 7.5/8" BY 15-5/8" FACE SIZE WITH SPECIAL SHAPES AS REQUIRED. SPLIT-FACE CONCRETE BLOCK SHALL BE HIGH-DENSITY, LOW-ABSORPTION CONCRETE BLOCK; FOSTER MASONRY PRODUCTS OR APPROVED EQUAL WITH FULL STYLE. COLOR, AND SURFACE TEXTURE AS SELECTED BY ARCHITECT FROM FULL RANGE. MORTAR SHALL BE ASTM C 270 PORTLAND CEMENT-LIME MORTAR, TYPE M ABOVE GRADE; TYPE M BELOW GRADE; OTHER TYPES AS REQUIRED BY APPLICATION. INORGANIC OXIDE MORTAR PRESENTS. COLOR AS SELECTED; DAVIS, SOLOMON GRIND-CHEM OR APPROVED EQUAL. HORIZONTAL REINFORCING SHALL BE WELDED LADDER TYPE, 9 GAGE WIRE WITH DEFORMED SIDE KNOTS. REINFORCING BARS SHALL BE DEFORMED BARS, ASTM A 615, GRADE 60. COMPLY WITH PCA "RECOMMENDED PRACTICES FOR LAYING CONCRETE BLOCK". DURING HOT WEATHER, USE MORTAR WITHIN 1-1/2" HOURS AFTER MIXING FOR ANCHOR 90 DEGREES F OR ABOVE. FROM DIMENSIONS AND LOCATIONS IN CONTRACT DOCUMENTS FOR PLUMB, LEVEL AND ALIGNMENT, PLUS OR MINUS 1/8 IN 20". LAY EXPOSED FACE BRICK IN RUNNING BOND EXCEPT AT AREAS OF SPECIAL COURSING, PATTERNS AND BONDING AS INDICATED ON DRAWINGS. MAINTAIN UNIFORM 3/8" WIDTH; TOOL CONCAVE. PROVIDE FULL BEG, HEAD AND COLLAR JOINTS EXCEPT AT WEEDHOLES. KEEP CAVITY CLEAN AT CAVITY WALLS. COMPLY WITH CODES FOR TIES AND HORIZONTAL REINFORCING. SPACE TIES NOT MORE THAN 24" O.C. VERTICALLY AND HORIZONTALLY.

05120 PROVIDE STRUCTURAL STEEL FOR BUILDING CONSTRUCTION INCLUDING SUB-FRAMING UNITS WHICH ARE PART OF THE GENERAL FRAMING SYSTEM. INCLUDE ANCHORS, BASES, BEARING PLATES, BRACING, LINTELS WHEN PART OF STRUCTURAL FRAMING, AND DETAIL FITTINGS. SUBMIT FOR APPROVAL SHOP DRAWINGS, PRODUCT DATA, TEST REPORTS. STEEL SHAPES, PLATES AND BARS SHALL COMPLY WITH ASTM A 36, OR ASTM A 572, GRADE 50, STEEL PIPE PER ASTM A 53, ANCHOR BOLTS PER ASTM A 307, HIGH STRENGTH THREADED FASTENERS PER ASTM A 325, NON-METALLIC SHRINKAGE RESISTANT GROUT SHALL BE EUCILD EUCO NS., L&M CRYSLEX, SONNEBORN SONNEGROUT OR APPROVED EQUAL. COMPRESSIVE STRENGTH SUITED FOR PROJECT REQUIREMENTS. SHOP FINISH FOR INTERIOR EXPOSED STRUCTURAL STEEL PER SSPC-SP-6 CLEANING; THEMPEC SERIES 37 CHEM-PRIME, UNIVERSAL RUST INHIBITIVE PRIMER, COMPATIBLE WITH EPOXY & URETHANE TOP COATS OR APPROVED EQUAL. GALVANIZED FINISHES SHALL BE HOT-DIPPED GALVANIZED ASTM A 123. WELDING SHALL COMPLY WITH AWS D1.1. EMPLOY A REGISTERED ENGINEER TO CHECK ELEVATIONS AND PLUMB AND LEVEL. TOLERANCES, CERTIFY THAT INSTALLED WORK IS WITHIN AISC STANDARDS. OWNER MAY ENGAGE TESTING/INSPECTION AGENCY TO INSPECT WELDED AND BOLTED CONNECTIONS. FABRICATE ARCHITECTUALLY EXPOSED STEEL WITH SPECIAL CARE USING MATERIALS CAREFULLY SELECTED FOR BEST APPEARANCE. STORE MATERIALS OFF GROUND AND KEEP CLEAN, CUT, FIT AND ASSEMBLE WORK WITH SURFACES SMOOTH, SQUARE AND WITH COMPLETE CONTACT AT JOINTS. SET ALL CAMBERS UP, WELD ALL WORK CONTINUOUSLY; GRIND SMOOTH AND FLUSH TO MAKE SEAMS INVISIBLE AFTER PRIMING. PREPARE SURFACES TO COMPLY WITH SSPC-SP-6; APPLY PRIME COAT WITHIN 24 HOURS AFTER CLEANING. TOUCH-UP FIELD WELDS AND ABRADED AREAS WITH SHOP PRIMER.

05400 PROVIDE COLD-FORMED METAL FRAMING INCLUDING LOADBEARING METAL STUDS AND C-SHAPED JOISTS WHERE INDICATED ON THE DRAWINGS. COLD-FORMED METAL FRAMING SHALL BE USED WHERE INDICATED ON THE DRAWINGS AT: AXIAL LOADBEARING WALLS OR PARTITIONS, EXTERIOR WALL PANELS, INTERIOR WALL PANELS AND FLOOR SUPPORT. SUBMIT FOR APPROVAL SHOP DRAWINGS ENGINEERED BY A LICENSED STRUCTURAL SPECIALTY ENGINEER, PRODUCT DATA, DEFLECTION CRITERIA. COMPLY WITH GOVERNING CODES AND REGULATIONS. PROVIDE PRODUCTS OF ACCEPTABLE MANUFACTURERS WHICH HAVE BEEN IN SATISFACTORY USE IN SIMILAR SERVICE FOR THREE YEARS. USE EXPERIENCED INSTALLERS, DELIVER, HANDLE, AND STORE MATERIALS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. STEEL SHALL BE: ASTM A 446, A 570, OR A 611 - 16 GAGE AND HEAVIER; 40,000 PSI YIELD STRENGTH - 18 GAGE AND LIGHTER - 33,000 PSI YIELD STRENGTH - GALVANIZED LIGHTGAGE FRAMING COMPONENTS; ASTM A 525, G90. ALLOWABLE COMPONENTS INCLUDE: C-SHAPED STUDS, PUNCHED CHANNEL TYPE STUDS, STEEL JOISTS, C-SHAPED TYPE AND STUD MANUFACTURER'S STANDARD RUNNERS, CLIP ANGLES, SHOS, REINFORCEMENTS, FASTENERS, BLOCKING, LINTELS. INSTALL MATERIALS AND SYSTEMS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND APPROVED SUBMITTALS. INSTALL MATERIALS AND SYSTEMS IN PROPER RELATION WITH ADJACENT CONSTRUCTION. COORDINATE WITH WORK OF OTHER SECTIONS. COMPLY WITH REQUIREMENTS OF ASTM C1007 FOR INSTALLATION OF STEEL STUDS AND ACCESSORIES AND METAL LATH/STEEL FRAMING ASSOCIATION LIGHTWEIGHT STEEL FRAMING SYSTEMS MANUAL. RESTORE DAMAGED COMPONENTS. PROTECT WORK FROM DAMAGE.

05500 PROVIDE MISCELLANEOUS METAL ITEMS INCLUDING MISCELLANEOUS FRAMING AND SUPPORTS FABRICATED FROM HEAVY GAGE FERROUS METALS AND NOT PROVIDED WITH STRUCTURAL STEEL SYSTEM. SUBMIT FOR APPROVAL SAMPLES FOR ITEMS EXPOSED TO VIEW, SHOP DRAWINGS, PRODUCT DATA, TEST REPORTS. STEEL PLATES, SHAPES, AND BARS SHALL COMPLY WITH ASTM A 36, STEEL PIPE WITH ASTM A 53, SCHEDULE 40, BOLTS WITH ASTM A 325, FASTENERS SHALL BE ZINC COATED, DESIGNED FOR LOADING AND USE. PROVIDE NON-SHRINK NON-METALLIC GROUT, EUCO NS BY EUCILD CHEMICAL CO. OR APPROVED EQUAL. CONCRETE INSERTS SHALL BE GALVANIZED FERROUS CASTINGS. GALVANIZED FERROUS METAL ITEMS AT EXTERIOR WALL AND WHERE EXPOSED TO WEATHER SHALL RECEIVE GALVANIZING PER ASTM A 525, 1 COAT PRIMER (SHOP-APPLIED) ELSEWHERE, AND PRIMER SUCH AS THEMPEC 10-99, PPG INHIBITIVE METAL PRIMER, RUSTOLEUM RUSTY METAL PRIMER, OR APPROVED EQUAL GALVANIZING REPAIR PAINT, ZINC RICH PRIMER SHALL BE THEMPEC, PPG, ZINC CHEMICAL PRODUCTS OR APPROVED EQUAL. TAKE FIELD MEASUREMENTS PRIOR TO PREPARATION OF SHOP DRAWINGS AND FABRICATION. DO NOT DELAY JOB; ALLOW FOR CUTTING AND FITTING IF FIELD MEASUREMENT NOT PRACTICAL. FORM WORK TRUE TO LINE WITH SHARP ANGLES AND EDGES. WELD CONTINUOUSLY, GRIND FLUSH AND MAKE SMOOTH ON EXPOSED SURFACES. INSTALL WORK PLUMB AND LEVEL WITH HARLINE JOINTS AND GROUND FLUSH WELDS. TOUCH-UP DAMAGED COATINGS WITH SHOP PRIMER AND GALVANIZE REPAIR PAINT.

05511 PROVIDE PREFABRICATED METAL STAIRS, PLATFORMS, AND RAILINGS AS INDICATED ON THE DRAWINGS CAPABLE OF WITHSTANDING THE FOLLOWING STRUCTURAL LOADS: TREADS AND PLATFORMS OF METAL STAIRS; UNIFORM LOAD OF 100 LB/FSQ. FT. OR A CONCENTRATED LOAD OF 300 LB/ ON AN AREA OF 4 SQ. IN., WHICHEVER PRODUCES THE GREATER STRESS; STAIR FRAMING; STRESSES RESULTING FROM TREAD AND RAILING SYSTEM LOADS; TOP RAIL OF GUARDS: CONCENTRATED LOAD OF 200 LB APPLIED AT ANY POINT AND IN ANY DIRECTION, AND A UNIFORM LOAD OF 50 LB/FT. APPLIED HORIZONTALLY AND CONCURRENTLY WITH UNIFORM LOAD OF 100 LB/FT. APPLIED VERTICALLY DOWNWARD; HANDRAILS NOT SERVING AS TOP RAILS. CONCENTRATED LOAD OF 200 LB APPLIED AT ANY POINT AND IN ANY DIRECTION, AND A UNIFORM LOAD OF 50 LB/FT. APPLIED IN ANY DIRECTION. INFLIT AREA OF GUARDS: HORIZONTAL CONCENTRATED LOAD OF 200 LB APPLIED TO 1 SQ. FT. AT ANY POINT IN SYSTEM INCLUDING PANELS, INTERMEDIATE RAILS, BALUSTERS, OR OTHER ELEMENTS COMPOSING INFLIT AREA. LINTH DEFLECTION OF TREADS, PLATFORMS, AND FRAMING MEMBERS TO 1/360 OR 1/4 INCH, WHICHEVER IS LESS. SUBMIT FOR APPROVAL SHOP DRAWINGS, PRODUCT DATA, COMPLY WITH GOVERNING CODES AND REGULATIONS. PROVIDE PRODUCTS OF ACCEPTABLE MANUFACTURERS WHICH HAVE BEEN IN SATISFACTORY USE IN SIMILAR SERVICE FOR THREE YEARS. USE EXPERIENCED INSTALLERS. DELIVER, HANDLE, AND STORE MATERIALS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. METAL STAIRS SHALL BE PRE-ENGINEERED STAIR SYSTEMS BY THE SHARON COMPANIES LTD., OR APPROVED EQUAL. TAKE FIELD MEASUREMENTS PRIOR TO FABRICATION, WHERE POSSIBLE. FORM TO REQUIRED SHAPES AND SIZED WITH TRUE, STRAIGHT EDGES, LINES AND ANGLES. PROVIDE LIGHT-TIGHT, HARLINE JOINTS. INSTALL MATERIALS AND SYSTEMS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND APPROVED SUBMITTALS. COORDINATE WITH WORK OF OTHER SECTIONS. PROVIDE INSERTS AND TEMPLATES. INSTALL WORK PLUMB AND LEVEL WITH UNIFORM APPEARANCE. RESTORE DAMAGED FINISHES AND PROTECT WORK.

05521 PROVIDE ALUMINUM PIPE HANDRAILS AND RAILINGS AND PRE-ENGINEERED ORNAMENTAL ALUMINUM HANDRAILS AND RAILINGS AS INDICATED ON THE DRAWINGS. PROVIDE HANDRAILS AND RAILINGS AT STAIRS, PERIMETER OF OPEN AREAS, LEVEL CHANGES, AND AS REQUIRED FOR SAFETY. SUBMIT FOR APPROVAL SAMPLES, SHOP DRAWINGS, PRODUCT DATA, TEST REPORTS. COMPLY WITH GOVERNING CODES AND REGULATIONS. PROVIDE PRODUCTS OF ACCEPTABLE MANUFACTURERS WHICH HAVE BEEN IN SATISFACTORY USE IN SIMILAR SERVICE FOR THREE YEARS. USE EXPERIENCED INSTALLERS. DELIVER, HANDLE, AND STORE MATERIALS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. ALUMINUM SHALL HAVE ALLOY, TEMPER, AND THICKNESS SUITABLE FOR SERVICE AND AESTHETIC REQUIREMENTS WITH CLEAR ANODIZED FINISH, CLASS 1. FASTENERS AND ANCHORS SHALL BE NON-CORROSIVE CONCEALED FASTENERS AND ANCHORS. TAKE FIELD MEASUREMENTS PRIOR TO FABRICATION, WHERE POSSIBLE. FORM TO REQUIRED SHAPES AND SIZED WITH TRUE, STRAIGHT EDGES, LINES AND ANGLES. PROVIDE LIGHT-TIGHT, HARLINE JOINTS. INSTALL MATERIALS AND SYSTEMS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND APPROVED SUBMITTALS. INSTALL MATERIALS AND SYSTEMS IN PROPER RELATION WITH ADJACENT CONSTRUCTION. COORDINATE WITH WORK OF OTHER SECTIONS. COORDINATE WITH WORK OF OTHER SECTIONS. PROVIDE INSERTS AND TEMPLATES AS NEEDED. INSTALL WORK PLUMB AND LEVEL WITH UNIFORM APPEARANCE. RESTORE DAMAGED FINISHED AND PROTECT WORK.

06105 PROVIDE MISCELLANEOUS CARPENTRY AS INDICATED ON THE DRAWINGS. SUBMIT WOOD TREATMENT DATA, INCLUDING CHEMICAL TREATMENT MANUFACTURER'S INSTRUCTIONS FOR HANDLING, STORING, INSTALLING AND FINISHING TREATED MATERIALS. LUMBER SHALL COMPLY WITH DOC S-20 AND WITH APPLICABLE GRADING RULES OF INSPECTION AGENCIES CERTIFIED BY THE AMERICAN LUMBER STANDARDS COMMITTEE'S (ALSC) BOARD OF REVIEW. PROVIDE DRESSED LUMBER, S4S, WITH EACH PIECE FACTORY MARKED WITH GRADE STAMP OF INSPECTION AGENCY. PROVIDE DRY LUMBER WITH 19 PERCENT MAXIMUM MOISTURE CONTENT AT TIME OF DRESSING WITH 2-INCH NOMINAL THICKNESS OR LESS, UNLESS OTHERWISE SPECIFIED. PRESSURE TREATED ABOVEGROUND ITEMS WITH WATERBORNE PRESERVATIVES TO A MINIMUM RETENTION OF 0.25 LB./CU. FT.. AFTER TREATMENT, KILN-DRY LUMBER AND PLYWOOD TO A MAXIMUM MOISTURE CONTENT OF 19 PERCENT. TREAT WOOD CANTS, NAILERS, CURBS, EQUIPMENT SUPPORT BASES, AND MEMBER IN CONTACT WITH MASONRY OR CONCRETE. WOOD FRAMING MEMBERS LESS THAN 18 INCHES ABOVE GRADE, FIRE-RETARDANT-TREATED MATERIALS SHALL COMPLY WITH APPLICABLE REQUIREMENTS OF AWPA C20 (LUMBER) AND AWPA C27 (PLYWOOD). IDENTIFY FIRE-RETARDANT-TREATED WOOD WITH APPROPRIATE CLASSIFICATION MARKING OF U.L.; U.S.; TESTING; TIMBER PRODUCTS INSPECTION, INC.; OR ANOTHER TESTING AND INSPECTING AGENCY ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION. PROVIDE DIMENSION LUMBER OF GRADES INDICATED ACCORDING TO THE ALSC NATIONAL GRADING RULE (NGR) PROVISIONS OF THE INSPECTION AGENCY INDICATED. USE FASTENERS OF SIZE AND TYPE INDICATED. WHERE MISCELLANEOUS CARPENTRY IS EXPOSED TO WEATHER, IN GROUND CONTACT, OR IN AREA OF HIGH RELATIVE HUMIDITY, PROVIDE FASTENERS WITH A HOT-DIP ZINC COATING PER ASTM A 153 OR OF TYPE 304 STAINLESS STEEL. POWER-DRIVEN FASTENERS, CABO NER-272 MAY BE USED. SET CARPENTRY TO REQUIRED LEVELS AND LINES, WITH MEMBERS PLUMB, TRUE TO LINE, CUT, AND FITTED. FIT CARPENTRY TO OTHER CONSTRUCTION; SCRIBE AND GAGE AS REQUIRED FOR ACCURATE FIT. CORRELATE LOCATION OF FURNING, NAILERS, BLOCKING, GROUND, AND STRIKER SUPPORTS TO ALLOW ATTACHMENT OF OTHER CONSTRUCTION. SECURELY ATTACH CARPENTRY WORK AS INDICATED AND ACCORDING TO APPLICABLE CODES AND RECOGNIZED STANDARDS. COUNTERSINK NAIL HEADS ON EXPOSED CARPENTRY WORK AND FILL HOLES WITH WOOD FILLER. INSTALL WOOD TRIM WITH MINIMUM NUMBER OF JOINTS PRACTICAL, USING FULL-LENGTH PIECES FROM MAXIMUM LENGTHS OF LUMBER AVAILABLE. COPE AT RETURNS AND WITER AT CORNERS TO PRODUCE TIGHT-FITTING JOINTS WITH FULL-SURFACE CONTACT THROUGHOUT LENGTH OF JOINT. USE SCAR JOINTS FOR END-TO-END JOINTS. MATCH COLOR AND GRAIN PATTERN ACROSS JOINTS. INSTALL TRIM AFTER GYPSUM BOARD JOINT FINISHING OPERATIONS ARE COMPLETED. INSTALL ADJOINING TRIM WITH 1/32-INCH IN 96 INCHES FOR PLUMB AND LEVEL. INSTALL ADJOINING TRIM WITH 1/32-INCH MAXIMUM OFFSET FOR FLUSH INSTALLATION AND 1/16-INCH MAXIMUM OFFSET FOR REVEAL INSTALLATION.

06192 PROVIDE PREFABRICATED AND PRE-ENGINEERED WOOD TRUSSES AS INDICATED ON THE DRAWINGS. SUBMIT FOR APPROVAL SHOP DRAWINGS, PRODUCT DATA. COMPLY WITH GOVERNING CODES AND REGULATIONS. PROVIDE PRODUCTS OF ACCEPTABLE MANUFACTURERS WHICH HAVE BEEN IN SATISFACTORY USE IN SIMILAR SERVICE FOR THREE YEARS. USE EXPERIENCED INSTALLERS. DELIVER, HANDLE, AND STORE MATERIALS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. TRUSSES SHALL BE STANDARD DIMENSIONAL LUMBER CONNECTED BY METAL PLATES. WOOD SHALL BE SOFTWOOD MEETING STRESS RATING AND DESIGN REQUIREMENTS. METAL PLATES SHALL BE GALVANIZED SHEET STEEL, ASTM A 446, GRADE A, COATING 560. PROVIDE ADDITIONAL NECESSARY ACCESSORIES INCLUDING WIND ANCHORS AND BRACING. PRESSURE IMPREGATE WITH FIRE-RETARDANT TREATMENT TO COMPLY WITH AWPA C20 FOR LUMBER AND AWPA C27 FOR PLYWOOD. PROVIDE WHERE INDICATED AND WHERE REQUIRED BY CODE. DO NOT USE FIRE-RETARDANT TREATMENT WHICH IS CORROSIVE TO CONNECTOR PLATES OR WHICH CONTAINS AMMONIUM PHOSPHATES. COMPLY WITH RECOMMENDATIONS OF TPI DESIGN SPECIFICATIONS FOR METAL PLATE CONNECTED WOOD TRUSSES. INSTALL MATERIALS AND SYSTEMS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND APPROVED SUBMITTALS. INSTALL MATERIALS AND SYSTEMS IN PROPER RELATION WITH ADJACENT CONSTRUCTION. COORDINATE WITH WORK OF OTHER SECTIONS. RESTORE DAMAGED COMPONENTS. CLEAN AND PROTECT WORK FROM DAMAGE.

06200 PROVIDE FINISH CARPENTRY AS INDICATED ON THE DRAWINGS. SUBMIT FOR APPROVAL SAMPLES, SHOP DRAWINGS, PRODUCT DATA, MOCK-UPS OF TYPICAL TRIM AND MOLDINGS. COMPLY WITH GOVERNING CODES AND REGULATIONS. PROVIDE PRODUCTS OF ACCEPTABLE MANUFACTURERS WHICH HAVE BEEN IN SATISFACTORY USE IN SIMILAR SERVICE FOR FIVE YEARS. USE EXPERIENCED INSTALLERS. DELIVER, HANDLE, AND STORE MATERIALS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. QUALITY STANDARD FOR FABRICATION AND PRODUCTS SHALL BE ARCHITECTURAL WOODWORK INSTITUTE QUALITY STANDARDS, PREMIUM GRADE UNLESS NOTED OTHERWISE. WHERE INDICATED ON THE DRAWINGS, EXTERIOR FINISH CARPENTRY PAINTED FINISH SHALL BE CLEAR PINE OR FIR, OR OTHER SOFTWOOD SUITABLE FOR EXPOSURE AND USE. INTERIOR FINISH CARPENTRY AND MILLWORK WITH TRANSPARENT FINISH SHALL BE PLAIN SAWN RED OAK, SEQUENCE MATCHED VENEERS FOR PLYWOOD, AND WITH OPAQUE FINISH SHALL BE SOFTWOOD SUITABLE FOR EXPOSURE AND USE. MILLWORK FOR TRANSPARENT FINISH SHALL BE PLAIN-SAWN RED OAK FOR SOLID WOOD; RIFL CUT RED OAK FOR PLYWOOD. MILLWORK FOR OPAQUE FINISH SHALL BE CLOSED-GRAIN HARDWOOD SUITABLE FOR EXPOSURE AND USE. PREFINISHED HARDWOOD PANELING, BOARD TYPES SHALL BE 1/2" THICK RED OAK. SOFTWOOD PANELING, BOARD TYPE WITH CLIP MOUNTING BE 1/2" THICK REDWOOD. PLASTIC LAMINATE SHALL BE NEPA LD-3, 0.050" THICK HORIZONTAL GRADE. AT CORNERS, ADHERE TO 3/4" PLYWOOD SUBSTRATE. SYNTHETIC COUNTERTOPS SHALL BE DUPONT CORIAN OR APPROVED EQUAL. FOR SHELVING AND CLOSETS, SERVICE AND CLOSET SHELVING SHALL BE MEDIUM DENSITY PARTICLEBOARD WITH HARDWOOD EDGE BANDS. WALL BRACKETS SHALL BE KNAPE AND BOGT OR APPROVED EQUAL. CLOSET BARS SHALL BE TELESCOPING STEEL WITH CHROME FINISH. MILLWORK FINISHES SHALL BE AS FOLLOWS: WOOD FOR TRANSPARENT FINISH SHALL BE AWI PREMIUM GRADE AWI FINISH SYSTEM NO. 5, PREMIUM GRADE CATALYZED POLYURETHANE. WOOD FOR OPAQUE FINISH SHALL BE AWI CUSTOM GRADE, AWI FINISH SYSTEM NO. 11, PREMIUM GRADE OPAQUE CATALYZED POLYURETHANE. PLASTIC LAMINATE FINISH SHALL BE AWI PREMIUM GRADE. MILLWORK ON ALL

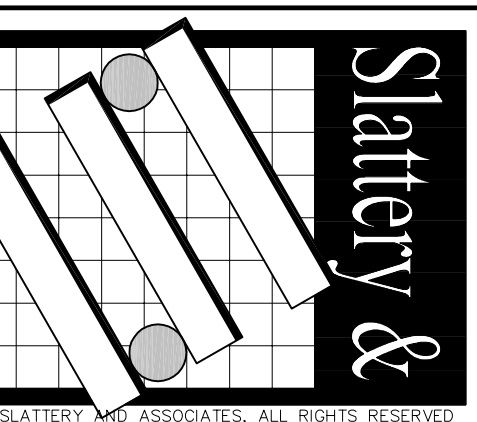
HARDWARE SHALL BE STEEL, OR BRASS WITH CHROMIUM PLATE FINISH; BALL-BEARING SIDE-MOUNT DRAWER SLIDES; SELF-CLOSING INSIDE-MOUNTED HINGES. WOOD TREATMENT SHALL BE AS FOLLOWS: PRESERVATIVE TREATMENT SHALL BE PRESSURE-TREATED WITH WATERBORNE PRESERVATIVES TO COMPLY WITH AW98 LP-2 FOR ABOVE-GROUND ITEMS; LP-22 FOR GROUND CONTACT ITEMS. KILN DRY AFTER TREATMENT TO 19% MAXIMUM MOISTURE CONTENT FOR LUMBER AND 15% FOR PLYWOOD. TREAT ABOVE-GROUND WOOD EXPOSED TO DEFORATION BY MOISTURE AND ALL WOOD IN CONTACT WITH THE GROUND OR FRESH WATER. FIRE-RETARDANT TREATMENT SHALL BE PRESSURE IMPREGNATED TO COMPLY WITH AWPA C20 FOR LUMBER AND AWPA C27 FOR PLYWOOD; PROVIDE WHERE INDICATED AND WHERE REQUIRED BY CODE. DO NOT USE FIRE-RETARDANT TREATMENT CONTAINING AMMONIUM PHOSPHATES. VEHICLE FOR PRESERVATIVE COMPATIBLE WITH FINISH. PROVIDE WORK TO SIZES, SHAPES, AND PROFILES INDICATED. INSTALL WORK TO COMPLY WITH QUALITY STANDARD REFERENCE. BACK PRIME WORK AND INSTALL PLUMB, LEVEL AND STRAIGHT WITH TIGHT JOINTS; SCRIBE WORK TO FIT. INSTALL MATERIALS AND SYSTEMS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND APPROVED SUBMITTALS. INSTALL MATERIALS AND SYSTEMS IN PROPER RELATION WITH ADJACENT CONSTRUCTION. USE NON-CORROSIVE FASTENERS FOR EXTERIOR WORK. COORDINATE WITH WORK OF OTHER SECTIONS. COMPLY WITH MANUFACTURER'S REQUIREMENTS FOR CUTTING, HANDLING, FASTENING AND WORKING TREATED MATERIALS. REPAIR MINOR DAMAGE, CLEAN AND PROTECT.

06402 CABINETWORK SHALL BE CONSTRUCTED TO THE PROFILE INDICATED ON THE DRAWINGS IN COMPLIANCE WITH THE ARCHITECTURAL WOODWORK INSTITUTE (AWI) QUALITY STANDARDS, 4TH EDITION 1985. SHOP DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT FOR REVIEW AND APPROVAL. ALL CABINET CORE BODY MEMBERS EXCEPT BACKS, DRAWER BOTTOMS, SHELVING AND TOPS IN WHICH SINKS OCCUR SHALL BE 3/4" THICK PARTICLEBOARD. ALL TOPS WITH SINK SHALL BE EXTERIOR GRADE PLYWOOD. BACKS AND DRAWER BOTTOMS SHALL BE MINIMUM 1/4" THICKNESS. SHELVES SHALL BE 3/4" THICK PLYWOOD WITH EDGE BANDING. PLASTIC LAMINATE SHALL BE NEPA LD 3, GP - 50 GENERAL PURPOSE TYPE, 0.050 INCHES THICK FOR HORIZONTAL AND VERTICAL APPLICATIONS OF COLOR AS SELECTED BY ARCHITECT. CABINET LINER SHALL BE NEPA LD 3 BK20 BANDING GRADE UNDECORATED PLASTIC LAMINATE - 0.020 THICKNESS OF COLOR AS SELECTED BY ARCHITECT. ADHESIVE SHALL BE TYPE RECOMMENDED BY LAMINATE MANUFACTURER. DRAWER SLIDES SHALL BE GRANT MODEL NO. 329 CLEAR CHROMATE FINISH OR APPROVED EQUAL. ADJUSTABLE SHELF SUPPORTS SHALL BE KNAPE & VOGT NO. 80A FOR SHELVING 10" WIDE AND LESS AND NO. 87 FOR SHELVING GREATER THAN 10" WIDE. HINGES SHALL BE STANLEY MODEL NO. 332 OR APPROVED EQUAL. DRAWER PULS SHALL BE STANLEY MODEL NO. 4483 OR APPROVED EQUAL. VERIFY ALL CRITICAL DIMENSIONS IN THE FIELD PRIOR TO FABRICATION. SET AND SECURE CABINETWORK IN PLACE PLUMB AND LEVEL, AND ANCHOR TO MAKE RIGID. CAREFULLY SCRIBE CASEWORK WHICH IS AGAINST OTHER MATERIALS LEAVING GAPS OF MAX 1/32". CAULK JOINT BETWEEN CABINET AND WALL. ADJUST DOORS DRAWERS AND HARDWARE TO FUNCTION SMOOTHLY.

07210 PROVIDE BUILDING INSULATION OF BOARD, AND BATT AS FOLLOWS: FLAT ROOFS SHALL HAVE POLYISOCYANURATE BOARD SOFFETS AND ATTICS SHALL HAVE FIBERGLASS THERMAL BATT, AND EXTERIOR MASONRY WALLS SHALL HAVE RIGID POLYSTYRENE BOARD. PROVIDE VAPOR BARRIER AT BUILDING PERIMETER. SUBMIT FOR APPROVAL PRODUCT DATA, TEST REPORTS. COMPLY WITH GOVERNING CODES AND REGULATIONS. PROVIDE PRODUCTS OF ACCEPTABLE MANUFACTURERS WHICH HAVE BEEN IN SATISFACTORY USE IN SIMILAR SERVICE FOR THREE YEARS. USE EXPERIENCED INSTALLERS. DELIVER, HANDLE, AND STORE MATERIALS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. BLANKET/BATT TYPE INSULATION SHALL BE POLI-FACED VAPOR BARRIER GLASS FIBER BLANKET INSULATION TYPE; OWENS CORNING FIBERGLASS CORPORATION OR APPROVED EQUAL. WALL BOARD TYPE INSULATION SHALL BE EXTRUDED POLYSTYRENE BOARD; COMPRESSIVE STRENGTH 60 PSI AT DEPTH. 100 PSI LUMBER HEAVY VEHICULAR TRAFFIC; STYROFOAM BY DOW CHEMICAL OR FOAMULAR BY UC INDUSTRIES OR APPROVED EQUAL. ROOF BOARD TYPE INSULATION SHALL BE POLYISOCYANURATE FOAM CORE RIGID BOARD; Celo-THERM ROOF INSULATION BY CELOTEC OR APPROVED EQUAL. VAOR BARRIER: 6 MIL CLEAR POLYETHYLENE SHEET. INSTALL MATERIALS AND SYSTEMS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND APPROVED SUBMITTALS. INSTALL MATERIALS AND SYSTEMS IN PROPER RELATION WITH ADJACENT CONSTRUCTION. COORDINATE WITH WORK OF OTHER SECTIONS. PROVIDE FULL THICKNESS IN ONE LAYER OVER ENTIRE AREA, TIGHTLY FITTING AROUND PENETRATIONS. SEAL ALL SEAMS AND AROUND PERIMETER AND PENETRATIONS WITH DUCT TAPE TO FORM A CONTINUOUS VAPOR BARRIER FREE OF HOLES. PROTECT INSTALLED INSULATION AND VAPOR BARRIER.

07211 SOUND INSULATION SHALL BE 3" THICK UNFACED SEMI-RIGID SPUN MINERAL FIBER USE THERMABER SOUND ATTENUATION BLANKET BEARING FLAME SPREAD - 15, SMOKE DEVELOPED - 0 SURFACE BURNING CHARACTERISTICS IN ACCORD TO ASTM E84. INCOMBUSTIBLE IN ACCORD WITH ASTM E136 AND NFPA 220. AT SOUND RATED PARTITIONS, SET FLOOR TRACK IN A BED OF CAULKING. AFTER MECHANICAL AND ELECTRICAL SERVICES ARE WITHIN WALLS, INSTALL BLANKET INSULATION BETWEEN STUDS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. TRIM BLENKETS NEATLY TO FIT SPACES WITHOUT GAPS OR VOIDS. AFTER GYPSUM BOARD IS APPLIED, CAULK FINISHED PARTITION AIR TIGHT TO THE FLOOR. IF PARTITION RUNS UP TO ROOF DECK, FILL ALL GAPS AND PENETRATIONS TIGHT WITH THERMAFIBER INSULATION. IF PARTITION TERMINATES AT THE CEILING, LAY 3" THERMAFIBER INSULATION FOR A DISTANCE OF SIX FEET ON THE TOP OF THE CEILING TILES ON EITHER SIDE ON SOUND RATED PARTITIONS. SOUND RATED PARTITIONS WHICH ARE ALSO FIRE RATED MUST RUN CONTINUOUS TO THE ROOF DECK AND ALL GAPS SHALL BE SEALED WITH 3M BRAND CAULK GP-25 SINGLE COMPONENT SYNTHETIC ELASTOMERIC INTUMESCENT CAULK OR APPROVED EQUAL HAVING A DENSITY OF 12.3 LB. / CU. FT. DUROMENT OF SHORE A. 35-45. APPLY PRIMER AS RECOMMENDED BY FIRESTOP CAULKING MANUFACTURER. INSTALL FIRESTOP CAULKING IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

REVISIONS	BY



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**ACTIVITY CENTER
FOR
FLORENCE FULLER CHILD DEVELOPMENT CENTERS
WEST CAMPUS
S.W. 185TH STREET
BOCA RATON, PALM BEACH COUNTY, FLORIDA**

DATE	CR, DR, AB
CHANGED	
NO	
DATE	10-21-16
SCALE	AS NOTED
DATE	2011-64
SHEET	

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