

OUTLINE SPECIFICATIONS

1 GENERAL

1.01 FORM OF AGREEMENT: AIA DOCUMENT A101:2007, "STANDARD FORM OF AGREEMENT BETWEEN OWNER AND CONTRACTOR WHERE THE BASIS OF PAYMENT IS A STIPULATED SUM", WITH AIA DOCUMENT A201-2007 "GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION".
ADMINISTRATION OF THE CONTRACT WILL BE BY THE OWNER.

1.02 CONTRACT DOCUMENT AND FIELD CONDITION REVIEW: THE GENERAL CONTRACTOR SHALL COMPLY WITH THE CONTRACT DOCUMENTS WITH EACH OTHER AND THE FIELD CONDITIONS, AND REPORT ANY INCONSISTENCIES, ERRORS, OR OMISSIONS TO THE ARCHITECT BEFORE BEGINNING THE WORK. VERIFY DIMENSIONS AND FIELD CONDITIONS AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BEFORE BEGINNING THE WORK. WHERE DETAILED INFORMATION IS LACKING, REQUEST INSTRUCTIONS FROM THE ARCHITECT.

1.03 DEFINITIONS:
FURNISH: UNLESS OTHERWISE DEFINED IN GREATER DETAIL, SUPPLY AND DELIVER AN ITEM TO THE PROJECT SITE, READY FOR INSTALLATION.
INSTALL: UNLESS OTHERWISE DEFINED IN GREATER DETAIL, PLACE AN ITEM IN THE PROJECT SO THAT IT IS READY FOR SERVICE OR USE.
PROVIDE: UNLESS OTHERWISE DEFINED IN GREATER DETAIL, FURNISH AND INSTALL AN ITEM, COMPLETE AND READY FOR INTENDED USE.

1.04 SUBMITTALS: THE CONTRACTOR SHALL REVIEW EACH SUBMITTAL FOR CONFORMANCE WITH THE CONTRACT DOCUMENTS AND COORDINATION WITH THE WORK, AND APPLY THE CONTRACTOR'S SIGNED REVIEW STAMP TO THE SUBMITTAL, CERTIFYING COMPLIANCE WITH THE CONTRACT DOCUMENTS. SUBMITTALS WITHOUT THE CONTRACTOR'S REVIEW STAMP WILL BE RETURNED WITHOUT REVIEW. TRANSMIT ALL SUBMITTALS TO THE ARCHITECT AND SUBMIT SUBMITTALS AS REQUIRED. SCHEDULE SUBMITTALS TO AVOID DELAY IN THE PROGRESS OF THE WORK, ALLOWING 10 WORKING DAYS FROM ARCHITECTS RECEIPT FOR INITIAL REVIEW, AND 5 WORKING DAYS FOR SUBSEQUENT RESUBMITTALS. SUBMIT RELATED ITEMS AS A SINGLE PACKAGE.
PRODUCT DATA: SUBMIT PDFs MARKED TO CLEARLY INDICATE APPLICABLE PRODUCTS, MODELS, OPTIONS, AND ANY DEVIATIONS FROM THE CONTRACT DOCUMENTS.
SHOP DRAWINGS: SUBMIT PDFs UNLESS OTHERWISE INDICATED OR REQUIRED. PROVIDE DIMENSIONED DRAWINGS AND DETAILS, INCLUDING ADJACENT CONSTRUCTION AND THE WORK, AND CLEARLY INDICATE ANY DEVIATIONS FROM THE CONTRACT DOCUMENTS. WHERE INDICATED, SUBMIT SHOP DRAWINGS AND ENGINEERING CALCULATIONS SEALED BY A DESIGN PROFESSIONAL IN THE STATE OF ALABAMA IN THE DISCRESSION WHERE THE PROJECT IS LOCATED. CLOUD AND IDENTIFY ALL REVISIONS ON EACH RESUBMITTAL.
SAMPLES: SUBMIT 2 SAMPLES PLUS THE NUMBER REQUIRED BY THE CONTRACTOR. UNLESS OTHERWISE INDICATED, SUBMIT ADDITIONAL SAMPLES AS NECESSARY TO INDICATE THE RANGE OF COLOR, FINISH AND TEXTURE TO BE PROVIDED.

1.05 CUTTING AND PATCHING: CONTRACTOR IS RESPONSIBLE FOR CUTTING, FITTING, AND PATCHING REQUIRED TO COMPLETE THE WORK OR TO MAKE THE WORK FIT TOGETHER PROPERLY. DO NOT CUT AND PATCH STRUCTURAL ELEMENTS IN A MANNER THAT WILL REDUCE THEIR LOAD CARRYING CAPACITY. PROTECT EXISTING CONSTRUCTION DURING CUTTING AND PATCHING TO PREVENT DAMAGE. PATCH WITH DURABLE SEAMS THAT ARE AS INVISIBLE AS POSSIBLE. RESTORE EXPOSED FINISHES OF PATCHED AREAS AND EXTEND FINISH RESTORATION INTO ADJACENT CONSTRUCTION IN A MANNER THAT WILL ELIMINATE EVIDENCE OF PATCHING.

1.06 PRODUCTS: PRODUCTS ARE ITEMS PURCHASED BY THE CONTRACTOR FOR INCORPORATION INTO THE WORK. SELECT PRODUCTS THAT COMPLY WITH THE CONTRACT DOCUMENTS AND GOVERNING REGULATIONS ACCORDING TO THE FOLLOWING:
SEMI-PROPRIETARY SPECIFICATION: WHERE PRODUCTS OR MANUFACTURERS ARE NAMED FOLLOWED BY THE TERM "OR APPROVED SUBSTITUTE", THE CONTRACTOR MAY SUBMIT UNNAMED PRODUCTS TO THE ARCHITECT FOR APPROVAL.
COMPLIANCE SPECIFICATION: WHERE ONLY COMPLIANCE WITH A CODE, STANDARD, OR REGULATION IS INDICATED, PROVIDE A PRODUCT THAT COMPLIES.
DISCRIPTIVE SPECIFICATION: WHERE EXACT CHARACTERISTICS ARE INDICATED, PROVIDE A PRODUCT THAT COMPLETES.

DELIVER, STORE, AND HANDLE PRODUCTS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. INSTALL PRODUCTS IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. WHERE MANUFACTURER'S INSTRUCTIONS CONFLICT WITH THE CONTRACT DOCUMENTS, REQUEST DIRECTION FROM THE ARCHITECT.

1.07 QUALITY CONTROL: THE OWNER WILL PROVIDE AN INDEPENDENT AGENCY TO PERFORM TESTING AND INSPECTIONS INDICATED, OR REQUIRED BY THE AUTHORITIES HAVING JURISDICTION. THE CONTRACTOR IS RESPONSIBLE FOR THE COSTS OF RETESTING, WHERE THE RESULTS OF TESTS AND INSPECTIONS PERFORMED INDICATE NONCOMPLIANCE WITH REQUIREMENTS. COOPERATE WITH TESTING AND INSPECTION AGENCIES, INCLUDING SCHEDULING TESTS AND INSPECTIONS, PROVIDING ACCESS TO THE WORK, FURNISHING INCIDENTAL LABOR, AND PROVIDING SECURITY AND PROTECTION OF SAMPLES. PROTECT CONSTRUCTION EXPOSED BY OR FOR TESTING AND INSPECTION. AS REPAIR CONSTRUCTION DAMAGED BY TESTING OR INSPECTION.

2 SITEWORK

2.01 EARTHWORK

GENERAL: SEE CIVIL DRAWINGS, STRUCTURAL DRAWINGS, AND GEOTECHNICAL REPORT FOR ADDITIONAL REQUIREMENTS THAT APPLY TO THIS SECTION.
GEOTECHNICAL ENGINEERING: PERFORM SITE PREPARATION, FILL, BACKFILL, COMPACTION AND OPERATIONS UNDER A QUALITY CONTROL PROGRAM MONITORED BY THE OWNER'S GEOTECHNICAL ENGINEER.

2.02 TERMITES TREATMENT

GENERAL: ENGAGE A LICENSED PROFESSIONAL PEST CONTROL OPERATOR TO APPLY A SOIL TREATMENT TERMITICIDE BEARING A FEDERAL REGISTERED EPA AND STATE REGISTERED WITH THE ARCHITECT AND THE AUTHORITIES HAVING JURISDICTION. APPLY IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. TREAT UNDER ALL BUILDING SLABS, ALONG BOTH SIDES OF FOUNDATION WALLS, AT ALL PENETRATIONS, AND IN ALL HOLLOW VOIDS OF FOUNDATION CONSTRUCTION. REAPPLY TREATMENT TO AREAS DISTURBED BY SUBSEQUENT CONSTRUCTION OR LANDSCAPING. PROVIDE A FIVE YEAR WRITTEN WARRANTY AGAINST TERMITES INFESTATION, AGREEING TO RETREAT AND REPAIR DAMAGE.

3 CONCRETE

3.01 CAST-IN-PLACE CONCRETE

GENERAL: SEE STRUCTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS THAT APPLY TO THIS SECTION.
SUBMITTALS: SUBMIT PRODUCT DATA FOR REVIEW.
TOLERANCES: PLACE CONCRETE AT INDICATED LOCATIONS AND ELEVATIONS, TRUE TO LINE, PLUMB, AND LEVEL (1/8" IN 10', 1/4" IN TOTAL).

DRAINAGE FILL: WASHED CRUSHED STONE, ASTM C33 NO. 57. PLACE IN COMPACT DRAINAGE FILL MATERIAL TO REQUIRED ELEVATIONS, WITH A TOLERANCE OF 1/2" IN 10'.
VAPOR RETARDER: MINIMUM 10 MIL PLASTIC SHEET COMPLYING WITH ASTM D1963, CLASS A. INSTALL IN ACCORDANCE WITH ASTM E 1709. LAP JOINTS MINIMUM 6" AND SEAL JOINTS, PERIMETER AND PENETRATIONS WITH MANUFACTURER'S RECOMMENDED Mastic OR TAPE.
WATERSHOTS: FLEXIBLE COMPOUND CRACK FILLER AND SODIUM BENTONITE CLAY. "CCW" MARIKAST. "CAW" MARICREST. "C" NEW CONCRETE AND APPROVED SUBSTITUTE.

EXPANSION JOINT FILLER: FIBERGLASS OR CELLULOSE FIBER STRIPS (ASTM D1753). FINISH: SMOOTH TO MATCH ADJACENT SURFACES.
FORMWORK: CONCRETE FORM SLABS AND APPLY TROWEL FINISH TO TOP SURFACE OF FORMS.
EXTERIOR FORM SLABS: FEELER EXTERIOR SLABS AND NON-SLIP BROOM FINISH PER SPECULAR TO TRAFFIC DIRECTION.

FORMER SURFACES: PROVIDE FORM MATERIALS TO PRODUCE A SMOOTH, UNIFORM SURFACE FOR CONCRETE EXPOSED TO VIEW, WITH REGULAR SEAM AND THE PATTERNS, FILL VOIDS AND REMOVE PROJECTIONS TO MATCH FORMED CONCRETE COLOR AND TEXTURE.
CURING: COMPLY WITH ACT 306. PROTECT CONCRETE FROM PREMATURE DRYING AND EXCESSIVE HOT OR COLD TEMPERATURES IN ACCORDANCE WITH ACT 306 AND ACT 306. BEGIN CURING AS SOON AS FREE WATER HAS DISAPPEARED FROM CONCRETE SURFACES AFTER FINISHING.

CONCRETE CURING COMPOUND: ASTM C109 TYPE I, DISSIPATING WATER-BASIS LIQUID MEMBRANE-FORMING CONCRETE CURING COMPOUND WITH FLUORIDE DYE. "1150-CLEAR" BY W.R. MEADOWS, INC. OR APPROVED SUBSTITUTE. PREPARE SURFACES AND APPLY TO NEW CONCRETE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

INTERIOR CONCRETE SLAB CONTROL AND CONSTRUCTION JOINT FILLER: TWO-COMPONENT, SEMI-RIGID JOINT FILLER, 100% SOLIDS, MINIMUM 90 SHORE A HARDNESS (ASTM D 240), MINIMUM 1300 PSI COMPRESSIVE STRENGTH (ASTM D638), MINIMUM 45% ELONGATION (ASTM D638), CUSTOM COLOR, "6M-90" BY METZGER/MCKEON, OR APPROVED SUBSTITUTE. ALLOW CONCRETE SLABS TO CURE MINIMUM 90 DAYS AND STABILIZE INTERIOR TEMPERATURE AT FINISH OCCUPANCY LEVEL BEFORE INSTALLATION. PREPARE SUBSTRATES AND INSTALL IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AT INTERIOR CONCRETE SLAB CONTROL AND CONSTRUCTION JOINTS. PRIME SUBSTRATES AS RECOMMENDED. INSTALL FULL DEPTH AT CONTROL JOINTS AND MINIMUM 2" DEPTH AT CONSTRUCTION JOINTS, AND TRIM FLUSH WITH CONCRETE SLAB SURFACE.

4 MASONRY

4.01 MASONRY:
GENERAL: SEE STRUCTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS THAT APPLY TO THIS SECTION. COMPLY WITH RECOMMENDATIONS OF BIA AND NCMA. SUBMITTALS: SUBMIT PRODUCT DATA FOR REVIEW.
PROJECT CONDITIONS: DO NOT INSTALL WHEN TEMPERATURES ARE BELOW 40 DEGREES F. DO NOT USE FROZEN MATERIALS, OR BUILD ON FROZEN CONCRETE. PRETECT COMPLETED WORK FROM FREEZING FOR MINIMUM 48 HOURS BY USE OF INSULATING BLANKETS OR BY PROVIDING ENCLOSURE AND HEAT. COMPLY WITH ACT 339.1. COVER TOPS OF WALLS AND PROJECTIONS WITH WATERPROOF MEMBRANE. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BEFORE BEGINNING THE WORK. WHERE DETAILED INFORMATION IS LACKING, REQUEST INSTRUCTIONS FROM THE ARCHITECT.

CONCRETE MASONRY UNITS (CMU): ASTM C90, HOLLOW LOAD BEARING BLOCK UNLESS OTHERWISE INDICATED. NOMINAL FACE DIMENSIONS OF 8" HIGH x 16" LONG (7.58"x15.58" ACTUAL). A THICKNESS INDICATED PROVIDE SPECIAL SHAPES WHERE REQUIRED FOR LINTELS, BOND BEAMS, CORNERS, JAMBS, SASH, CONTROL JOINTS, AND OTHER SPECIAL CONDITIONS.
SMOOTH FACE CMU: MANUFACTURER'S STANDARD TEXTURE AND COLOR.
GROUND FACE CMU: GROUND FACE TEXTURE ON SIDES EXPOSED TO VIEW, INTEGRAL WATER REPELLENT, MANUFACTURER'S COLOR AS SCHEDULED.
SLOPED SILL CMU: 100% SOLID BLOCK, INTEGRAL WATER REPELLENT, SPECIAL SHAPE AS INDICATED FOR LINTELS AND TOPS OF MASONRY WALL PANELS TO VIEW, MANUFACTURER'S COLOR AS SCHEDULED.

MORTAR FOR ABOVE GRADE NON-LOAD BEARING MASONRY VENEERS: ASTM C270, TYPE N, COLOR AS SCHEDULED.
WATER: POTABLE.
AGGREGATE: ASTM C144.
WATER: POTABLE.
MORTAR: PERMITS NOT PERMITTED.
HORIZONTAL JOINT REINFORCEMENT: ASTM A991, LADDER TYPE WELDED WIRE UNITS FABRICATED WITH DEFORMED CONTINUOUS 9 GAUGE SIDE RODS AND PLAIN 9 GAUGE CROSS RODS SPACED @ 18" O.C. WIDTH TO PROVIDE MINIMUM MORTAR COVERAGE OF 5/8" ON EXTERIOR FACE AND 1/2" ON INTERIOR FACE. HOT-DIP GALVANIZED (ASTM A113, CLASS B-2). PROVIDE PREFABRICATED "T" SECTIONS AT CORNERS AND INTERSECTIONS. INSTALL JOINT REINFORCEMENT AT 16" O.C. VERTICALLY UNLESS OTHERWISE INDICATED, WITH ENDS LAPPED MINIMUM 12". DO NOT EXTEND JOINT REINFORCEMENT THROUGH CONTROL JOINTS.

VEENER ANCHORS: 2 PIECE ADJUSTABLE VEENER ANCHORS FABRICATED FROM 5/16" LONG 1/4 GAUGE ANCHOR PLATE WITH 3/16" DIAMETER WIRE TRIANGULAR TIE. HOT-DIP GALVANIZED AFINO 1400 (ASTM A113 CLASS B), 10W-10H59 BY HOHMANN & BARNARD, INC. OR APPROVED SUBSTITUTE. PROVIDE MANUFACTURER'S RECOMMENDED SCREW FASTENERS FOR METAL STUD, CMU, OR CONCRETE SUBSTRATE. AS REQUIRED, SPACE ANCHORS MAXIMUM 4' O.C. HORIZONTAL AND 16" O.C. VERTICAL, UNLESS OTHERWISE INDICATED. AT OPENINGS, PLACE ADDITIONAL TIES WITHIN 12" OF THE OPENING AND SPACED MAXIMUM 24" O.C.

AT INSULATING SHEATHING, HORN ANCHOR PLATES WITH PRONGED LEGS TO ABUT SUBSTRATE, "S-SEAL" BY HOHMANN & BARNARD, INC. OR APPROVED SUBSTITUTE.
CONCEALED FLASHING: 40 MIL COMPOSITE MEMBRANE WITH ADHESIVE, "STRECHLAST" BY HORN, INC. OR APPROVED SUBSTITUTE. APPLY TO FLASHING BUILT-IN CONCEALED FLASHING AT LINTELS, SILLS, AND AT BASE OF ALL WALLS TO DIVERT WATER TO THE EXTERIOR. EXTEND FLASHING FROM THE EXTERIOR FACE OF MASONRY THROUGH THE WALL, TURN UP MINIMUM 4" AND MECHANICALLY FASTEN TOP EDGE TO SUBSTRATE WITH TERMINATION BAR. LAP JOINTS IN FLASHING MINIMUM 6" AND SEAL.

WEEP HOLES: PROVIDE 1/4" DIAMETER COTTON CORD WEEP HOLES IN HEAD JOINTS ABOVE FLASHING AND IN HEAD JOINTS, EXTENDED FROM 12" BEYOND EXTERIOR FACE OF MASONRY TO CAVITY, AND LAID HORIZONTAL ON TOP OF FLASHING MINIMUM 24".
LAYING MASONRY: BUILD WALLS TRUE TO LINE, PLUMB AND LEVEL (1/8" IN 10', 1/2" IN TOTAL). BUILD UP TO OPENING SPACES AND RECESSES FOR OTHER WORK AS REQUIRED. CUT MASONRY UNITS WITH MOTOR DRIVEN SAWS TO FIT ADJOINING WORK AND MAINTAIN PATTERN, WITH STRAIGHT UN-CHEFFED EDGES. LAY UNITS IN RUNNING BOND PATTERN UNLESS OTHERWISE INDICATED, WITH NOMINAL 3/8" JOINTS, PLUS OR MINUS 1/8" FOR BED, AND PLUS 1/4" OR MINUS 1/8" FOR HEAD. DO NOT TOOTH UNITS. LAY SOLID UNITS WITH COMPLETELY FILLED BEDS AND HEAD JOINTS. USE BLOW COMPACT MASONRY UNITS WITH MORTAR COVERAGE ON HORIZONTAL AND VERTICAL FACE SHEETS AND WEBS. FILL COLLAR JOINTS BETWEEN WEBS, EXCEPT AT REQUIRED VENTILATION. KEEP WEBS AND HEAD JOINTS CLEAR OF MORTAR. ANCHOR JOINTS SMOOTHLY CONCEALED UNLESS OTHERWISE INDICATED, AND STRIKE JOINTS PLUSH WHEN INDICATED TO MATCH WITH ANOTHER MATERIAL. CLEAN MASONRY WITH WATER AND A SOFT BRISTLE BRUSH.

4.02 INSULATING SHEATHING:
GENERAL: PROTECT PRODUCTS FROM EXPOSURE TO WEATHER AND CONTACT WITH WET SURFACES.
SUBMITTALS: SUBMIT PRODUCT DATA FOR REVIEW.
MINERAL WOOL BOARD INSULATION: ASTM C613, TYPE IV, THICKNESS INDICATED, MINIMUM R-VALUE OF 4.0 PER INCH AT 75°F (ASTM C518), MAXIMUM FLAME SPREAD INDEX OF 0 AND MAXIMUM SMOKE DEVELOPED INDEX OF 0 (ASTM E84), MINIMUM DENSITY OF 11 PCF (ASTM C593); "COMFOKBOARD 110" BY ROCKWOOL, INC. OR APPROVED SUBSTITUTE.

4.03 GYPSUM SHEATHING:
GENERAL: PROTECT PRODUCTS FROM EXPOSURE TO WEATHER AND CONTACT WITH WET SURFACES.
SUBMITTALS: SUBMIT PRODUCT DATA FOR REVIEW.
GYPSUM SHEATHING: ASTM C1177, WATER-RESISTANT GYPSUM CORE PANELS WITH FIBERGLASS MAT FACINGS, MAXIMUM FLAME SPREAD INDEX OF 0 AND MAXIMUM SMOKE DEVELOPED INDEX OF 0 (ASTM E84), THICKNESS AS INDICATED; "SECURLOCK" BY UNITED STATES GYPSUM COMPANY, "DENSO" BY GEORGIA-PACIFIC BUILDING PRODUCTS, OR APPROVED SUBSTITUTE.
PROVIDE SHEATHING PRODUCT ACCEPTANCE TESTS TO VERIFY COMPLIANCE WITH MANUFACTURER'S RECOMMENDATIONS AND TESTING PROCEDURES. FLASHING, "DENSO" BY GEORGIA-PACIFIC GYPSUM, OR APPROVED SUBSTITUTE.

4.04 STRUCTURE: WOODWORK:
GENERAL: COMPLY WITH AIA QUALITY STANDARDS. COMPLY WITH CARB COMPLIANCE AND FORMALDEHYDE EMISSION LEVELS. SUBMIT SHOP DRAWINGS OF ALL WOODWORK FOR REVIEW. PROTECT WOOD PRODUCTS FROM EXPOSURE TO WEATHER AND CONTACT WITH WET SURFACES. DO NOT DELIVER WOODWORK FOR INTERIOR USE UNTIL TEMPERATURE AND HUMIDITY CONDITIONS HAVE BEEN STABILIZED AT FINAL OCCUPANCY LEVELS, AND CONDITION MINIMUM 3 DAYS IN STABILIZED SPACE BEFORE INSTALLATION.
PLASTER, AMINATE CABINETS: A W/ CUSTOM GRADE, FLUSH OVERLAY CONSTRUCTION. NEMA GRADE HDH PLASTIC LAMINATE UNLESS OTHERWISE INDICATED IN COLOR AND FINISH AS SCHEDULED, PROVIDE WHITE MELAMINE FINISH AT ALL INTERIOR AND NON-EXPOSED SURFACES, INCLUDING SHELVES. CABINET HARDWARE: ANSHUBAMA A156-9.

DOOR AND DRAWER PULLS: STEEL WIRE FULL WITH POLISHED CHROME FINISH. CENTER: 10-CENTER SPACING, ITEM #116-07-238 BY HAFELE AMERICA CO. OR APPROVED SUBSTITUTE.
DOOR HINGES: 32mm SYSTEM CONCEALED HINGES WITH 110° OPENING ANGLE, "CLIP TOP" BY HILTI, INC. OR APPROVED SUBSTITUTE.
FILE DRAWER SLIDES: SIDE MOUNTED FULL EXTENSION HEAVY DUTY BALL BEARING SLIDES, "MODEL 390E" BY ACCURIDE INTERNATIONAL, INC. OR APPROVED SUBSTITUTE.

4.05 METALS:
STEEL: WIDE FLANGE SHAPES: ASTM A992.
STEEL CHANNELS, ANGLES, AND PLATES: ASTM A36.
STEEL PIPE: ASTM A53, GRADE B.
HOLLOW STEEL SECTIONS (SHEETS, ASTM A500, GRADE B).
STEEL FLOOR PLATE: ASTM A770, DIAMOND PATTERN.
STEEL SHEET: ASTM A101.
ALUMINUM DIAMOND PLATE: ASTM B221, 3003-H14 ALLOY.

FABRICATION: REFER TO INDICATED SIZES, DIMENSIONS AND DETAILS. MEMBERS TO BE WELDED SHALL BE CLOSE FITTING JOINTS. BEYOND EXPOSED, AND GRIND ALL WELDS SMOOTH. PROVIDE CORNERMENTS AS REQUIRED FOR PROPER ANCHORAGE.
FLOOR FINISH: PER THE SHEET GRATING DESIGNED IN ACCORDANCE WITH 24" HOLLOW CHANNELS TO COMPLY WITH ASTM A113 GRADE 65.
STEEL STAIRS AND RAILINGS: FABRICATE TO INDICATED SIZES, DIMENSIONS AND DETAILS. SUBMIT SHOP DRAWINGS INDICATING COMPLIANCE WITH THE APPLICABLE STRUCTURAL REQUIREMENTS WITHOUT EXCEEDING ALLOWABLE WORKING STRESS OF MATERIALS, INCLUDING ANCHORS AND CONNECTIONS.

1. TREADS AND PLATFORMS: UNIFORM LOAD OF 100 PSF, AND CONCENTRATED LOAD OF 300 LB APPLIED TO AREA OF 4 SQ IN.
2. FRAMING: RESULTING LOADS, INCLUDING RAILING SYSTEM.
3. HANDRAIL, OR TOP RAIL OF GUARDRAIL: CONCENTRATED LOAD OF 200 LB APPLIED IN ANY DIRECTION, AND UNIFORM LOAD OF 50 PLF APPLIED IN ANY DIRECTION.
4. INTERMEDIATE GUARDRAIL COMPONENTS: HORIZONTAL LOAD OF 50 LB APPLIED TO AN AREA OF 1 SQ FT.
5. MAXIMUM DEFLECTION: L/240.

FINISH INTERIOR FABRICATIONS WITH SHOP PRIMER, HOT-DIP GALVANIZE EXTERIOR STAIRS AND RAILING FABRICATIONS TO COMPLY WITH ASTM A113 GRADE 65.
STEEL LADDERS: FIXED-RAIL TYPE WITH KNURLED STEEL RUNGS SHOULDERED AND HEADED INTO AND WELDED TO RAILS. SUBMIT SEALED SHOP DRAWINGS INDICATING COMPLIANCE WITH CONCENTRATED LOAD OF 250 POUNDS AT ANY POINT WITHOUT EXCEEDING WORKING STRESS OF MATERIALS, INCLUDING ANCHORS AND CONNECTIONS. FINISH INTERIOR FABRICATIONS WITH SHOP PRIMER.

STEEL BOLLARDS: FABRICATE FROM SCHEDULE 40 STEEL PIPE. PROVIDE CUTOUTS FOR FIXTURES AND HOLES FOR UNDERLAMP APPLICATION. PLACE OVER LEVEL AND COMPACT GRADE WITH NON-WOVEN SLIP UP OVERLAP EDGES 4" MINIMUM AND STAPLE JOINTS. EXTEND MINIMUM 12" UP TO PERIMETER FORMS. PROVIDE RECOMMENDED TREATMENT AT ALL PENETRATIONS.

4.06 INSULATION:
GENERAL: PROTECT INSULATION PRODUCTS FROM EXPOSURE TO WEATHER AND CONTACT WITH WET SURFACES.
SUBMITTALS: SUBMIT PRODUCT DATA FOR REVIEW.
BATT INSULATION: ASTM C665, TYPE I, UNFACED GLASS FIBER THERMAL BATT INSULATION, MAXIMUM FLAME SPREAD INDEX OF 25 AND MAXIMUM SMOKE DEVELOPED INDEX OF 0 (ASTM E84).

4.07 METAL WALL PANELS:
GENERAL: PROVIDE STRUCTURAL METAL WALL PANEL SYSTEMS MEETING INDICATED REQUIREMENTS AS DETERMINED BY QUALIFIED TESTING AGENCY.
STRUCTURAL PERFORMANCE: WITHSTAND DESIGN WIND LOADS INDICATED, WITH MAXIMUM DEFLECTION OF 1/120 OF THE SPAN.
THERMAL MOVEMENT: ALLOW FOR THERMAL MOVEMENT AND DEFLECTION FROM AMBIENT AND INTERNAL TEMPERATURE VARIATIONS.
SUBMITTALS: SUBMIT SHOP DRAWINGS INDICATING PANEL LAYOUT AND DETAILS OF EACH CONDITION OF INSTALLATION, INCLUDING EDGE CONDITIONS, JOINTS, OPENINGS, PENETRATIONS, FLASHINGS, TRIM, AND FASTENERS AND SEALANT PLACEMENT. INCLUDE PRODUCT DATA AND TEST REPORTS INDICATING COMPLIANCE WITH REQUIREMENTS.

4.08 INSULATED METAL WALL PANELS:
GENERAL: PROVIDE STRUCTURAL INSULATED METAL WALL PANEL SYSTEMS MEETING INDICATED REQUIREMENTS AS DETERMINED BY QUALIFIED TESTING AGENCY.
STRUCTURAL PERFORMANCE: WITHSTAND DESIGN WIND LOADS INDICATED, WITH MAXIMUM DEFLECTION OF 1/120 OF THE SPAN.
THERMAL MOVEMENT: ALLOW FOR THERMAL MOVEMENT AND DEFLECTION FROM AMBIENT AND INTERNAL TEMPERATURE VARIATIONS.
FIRE PERFORMANCE:
FIRE-RESISTANCE RATED CONSTRUCTION: ASTM E119 OR UL 263, CLASSIFIED AS A COMPONENT OF THE FIRE RESISTANCE RATED WALL ASSEMBLY INDICATED.
THERMAL BARRIER: FM 489 CLASS 1, APPROVED FOR USE WITHOUT A THERMAL BARRIER. NEMA GRADE HDH PLASTIC LAMINATE UNLESS OTHERWISE INDICATED.
POTENTIAL HEAT: NFPA 280, TEST TO EXCEED POTENTIAL HEAT OF FOAM PLASTIC INSULATION IN INTERMEDIATE SCALE MULTI-STORY FIRE TEST.
SURFACE BURNING CHARACTERISTICS: ASTM E84 OR UL 723, ALL COMPONENTS COMPLY WITH SURFACE BURNING CHARACTERISTICS, ADHESIVES AND FACINGS TO HAVE MAXIMUM FLAME SPREAD INDEX OF 25 AND MAXIMUM SMOKE DEVELOPED INDEX OF 450.
INTERMEDIATE SCALE MULTI-STORY FIRE TEST: NFPA 288 (UBC STD 26-9), SEE PASS ACCEPTANCE CRITERIA.
IGNITION: NFPA 288, PASS ACCEPTANCE CRITERIA.

4.09 INSULATED METAL WALL PANELS:
GENERAL: PROVIDE STRUCTURAL INSULATED METAL WALL PANEL SYSTEMS MEETING INDICATED REQUIREMENTS AS DETERMINED BY QUALIFIED TESTING AGENCY.
STRUCTURAL PERFORMANCE: WITHSTAND DESIGN WIND LOADS INDICATED, WITH MAXIMUM DEFLECTION OF 1/120 OF THE SPAN.
THERMAL MOVEMENT: ALLOW FOR THERMAL MOVEMENT AND DEFLECTION FROM AMBIENT AND INTERNAL TEMPERATURE VARIATIONS.
FIRE PERFORMANCE:
FIRE-RESISTANCE RATED CONSTRUCTION: ASTM E119 OR UL 263, CLASSIFIED AS A COMPONENT OF THE FIRE RESISTANCE RATED WALL ASSEMBLY INDICATED.
THERMAL BARRIER: FM 489 CLASS 1, APPROVED FOR USE WITHOUT A THERMAL BARRIER. NEMA GRADE HDH PLASTIC LAMINATE UNLESS OTHERWISE INDICATED.
POTENTIAL HEAT: NFPA 280, TEST TO EXCEED POTENTIAL HEAT OF FOAM PLASTIC INSULATION IN INTERMEDIATE SCALE MULTI-STORY FIRE TEST.
SURFACE BURNING CHARACTERISTICS: ASTM E84 OR UL 723, ALL COMPONENTS COMPLY WITH SURFACE BURNING CHARACTERISTICS, ADHESIVES AND FACINGS TO HAVE MAXIMUM FLAME SPREAD INDEX OF 25 AND MAXIMUM SMOKE DEVELOPED INDEX OF 450.
INTERMEDIATE SCALE MULTI-STORY FIRE TEST: NFPA 288 (UBC STD 26-9), SEE PASS ACCEPTANCE CRITERIA.
IGNITION: NFPA 288, PASS ACCEPTANCE CRITERIA.

4.10 INSULATED METAL WALL PANELS:
GENERAL: PROVIDE STRUCTURAL INSULATED METAL WALL PANEL SYSTEMS MEETING INDICATED REQUIREMENTS AS DETERMINED BY QUALIFIED TESTING AGENCY.
STRUCTURAL PERFORMANCE: WITHSTAND DESIGN WIND LOADS INDICATED, WITH MAXIMUM DEFLECTION OF 1/120 OF THE SPAN.
THERMAL MOVEMENT: ALLOW FOR THERMAL MOVEMENT AND DEFLECTION FROM AMBIENT AND INTERNAL TEMPERATURE VARIATIONS.
FIRE PERFORMANCE:
FIRE-RESISTANCE RATED CONSTRUCTION: ASTM E119 OR UL 263, CLASSIFIED AS A COMPONENT OF THE FIRE RESISTANCE RATED WALL ASSEMBLY INDICATED.
THERMAL BARRIER: FM 489 CLASS 1, APPROVED FOR USE WITHOUT A THERMAL BARRIER. NEMA GRADE HDH PLASTIC LAMINATE UNLESS OTHERWISE INDICATED.
POTENTIAL HEAT: NFPA 280, TEST TO EXCEED POTENTIAL HEAT OF FOAM PLASTIC INSULATION IN INTERMEDIATE SCALE MULTI-STORY FIRE TEST.
SURFACE BURNING CHARACTERISTICS: ASTM E84 OR UL 723, ALL COMPONENTS COMPLY WITH SURFACE BURNING CHARACTERISTICS, ADHESIVES AND FACINGS TO HAVE MAXIMUM FLAME SPREAD INDEX OF 25 AND MAXIMUM SMOKE DEVELOPED INDEX OF 450.
INTERMEDIATE SCALE MULTI-STORY FIRE TEST: NFPA 288 (UBC STD 26-9), SEE PASS ACCEPTANCE CRITERIA.
IGNITION: NFPA 288, PASS ACCEPTANCE CRITERIA.

4.11 INSULATED METAL WALL PANELS:
GENERAL: PROVIDE STRUCTURAL INSULATED METAL WALL PANEL SYSTEMS MEETING INDICATED REQUIREMENTS AS DETERMINED BY QUALIFIED TESTING AGENCY.
STRUCTURAL PERFORMANCE: WITHSTAND DESIGN WIND LOADS INDICATED, WITH MAXIMUM DEFLECTION OF 1/120 OF THE SPAN.
THERMAL MOVEMENT: ALLOW FOR THERMAL MOVEMENT AND DEFLECTION FROM AMBIENT AND INTERNAL TEMPERATURE VARIATIONS.
FIRE PERFORMANCE:
FIRE-RESISTANCE RATED CONSTRUCTION: ASTM E119 OR UL 263, CLASSIFIED AS A COMPONENT OF THE FIRE RESISTANCE RATED WALL ASSEMBLY INDICATED.
THERMAL BARRIER: FM 489 CLASS 1, APPROVED FOR USE WITHOUT A THERMAL BARRIER. NEMA GRADE HDH PLASTIC LAMINATE UNLESS OTHERWISE INDICATED.
POTENTIAL HEAT: NFPA 280, TEST TO EXCEED POTENTIAL HEAT OF FOAM PLASTIC INSULATION IN INTERMEDIATE SCALE MULTI-STORY FIRE TEST.
SURFACE BURNING CHARACTERISTICS: ASTM E84 OR UL 723, ALL COMPONENTS COMPLY WITH SURFACE BURNING CHARACTERISTICS, ADHESIVES AND FACINGS TO HAVE MAXIMUM FLAME SPREAD INDEX OF 25 AND MAXIMUM SMOKE DEVELOPED INDEX OF 450.
INTERMEDIATE SCALE MULTI-STORY FIRE TEST: NFPA 288 (UBC STD 26-9), SEE PASS ACCEPTANCE CRITERIA.
IGNITION: NFPA 288, PASS ACCEPTANCE CRITERIA.

4.12 INSULATED METAL WALL PANELS:
GENERAL: PROVIDE STRUCTURAL INSULATED METAL WALL PANEL SYSTEMS MEETING INDICATED REQUIREMENTS AS DETERMINED BY QUALIFIED TESTING AGENCY.
STRUCTURAL PERFORMANCE: WITHSTAND DESIGN WIND LOADS INDICATED, WITH MAXIMUM DEFLECTION OF 1/120 OF THE SPAN.
THERMAL MOVEMENT: ALLOW FOR THERMAL MOVEMENT AND DEFLECTION FROM AMBIENT AND INTERNAL TEMPERATURE VARIATIONS.
FIRE PERFORMANCE:
FIRE-RESISTANCE RATED CONSTRUCTION: ASTM E119 OR UL 263, CLASSIFIED AS A COMPONENT OF THE FIRE RESISTANCE RATED WALL ASSEMBLY INDICATED.
THERMAL BARRIER: FM 489 CLASS 1, APPROVED FOR USE WITHOUT A THERMAL BARRIER. NEMA GRADE HDH PLASTIC LAMINATE UNLESS OTHERWISE INDICATED.
POTENTIAL HEAT: NFPA 280, TEST TO EXCEED POTENTIAL HEAT OF FOAM PLASTIC INSULATION IN INTERMEDIATE SCALE MULTI-STORY FIRE TEST.
SURFACE BURNING CHARACTERISTICS: ASTM E84 OR UL 723, ALL COMPONENTS COMPLY WITH SURFACE BURNING CHARACTERISTICS, ADHESIVES AND FACINGS TO HAVE MAXIMUM FLAME SPREAD INDEX OF 25 AND MAXIMUM SMOKE DEVELOPED INDEX OF 450.
INTERMEDIATE SCALE MULTI-STORY FIRE TEST: NFPA 288 (UBC STD 26-9), SEE PASS ACCEPTANCE CRITERIA.
IGNITION: NFPA 288, PASS ACCEPTANCE CRITERIA.

4.13 INSULATED METAL WALL PANELS:
GENERAL: PROVIDE STRUCTURAL INSULATED METAL WALL PANEL SYSTEMS MEETING INDICATED REQUIREMENTS AS DETERMINED BY QUALIFIED TESTING AGENCY.
STRUCTURAL PERFORMANCE: WITHSTAND DESIGN WIND LOADS INDICATED, WITH MAXIMUM DEFLECTION OF 1/120 OF THE SPAN.
THERMAL MOVEMENT: ALLOW FOR THERMAL MOVEMENT AND DEFLECTION FROM AMBIENT AND INTERNAL TEMPERATURE VARIATIONS.
FIRE PERFORMANCE:
FIRE-RESISTANCE RATED CONSTRUCTION: ASTM E119 OR UL 263, CLASSIFIED AS A COMPONENT OF THE FIRE RESISTANCE RATED WALL ASSEMBLY INDICATED.
THERMAL BARRIER: FM 489 CLASS 1, APPROVED FOR USE WITHOUT A THERMAL BARRIER. NEMA GRADE HDH PLASTIC LAMINATE UNLESS OTHERWISE INDICATED.
POTENTIAL HEAT: NFPA 280, TEST TO EXCEED POTENTIAL HEAT OF FOAM PLASTIC INSULATION IN INTERMEDIATE SCALE MULTI-STORY FIRE TEST.
SURFACE BURNING CHARACTERISTICS: ASTM E84 OR UL 723, ALL COMPONENTS COMPLY WITH SURFACE BURNING CHARACTERISTICS, ADHESIVES AND FACINGS TO HAVE MAXIMUM FLAME SPREAD INDEX OF 25 AND MAXIMUM SMOKE DEVELOPED INDEX OF 450.
INTERMEDIATE SCALE MULTI-STORY FIRE TEST: NFPA 288 (UBC STD 26-9), SEE PASS ACCEPTANCE CRITERIA.
IGNITION: NFPA 288, PASS ACCEPTANCE CRITERIA.

4.14 INSULATED METAL WALL PANELS:
GENERAL: PROVIDE STRUCTURAL INSULATED METAL WALL PANEL SYSTEMS MEETING INDICATED REQUIREMENTS AS DETERMINED BY QUALIFIED TESTING AGENCY.
STRUCTURAL PERFORMANCE: WITHSTAND DESIGN WIND LOADS INDICATED, WITH MAXIMUM DEFLECTION OF 1/120 OF THE SPAN.
THERMAL MOVEMENT: ALLOW FOR THERMAL MOVEMENT AND DEFLECTION FROM AMBIENT AND INTERNAL TEMPERATURE VARIATIONS.
FIRE PERFORMANCE:
FIRE-RESISTANCE RATED CONSTRUCTION: ASTM E119 OR UL 263, CLASSIFIED AS A COMPONENT OF THE FIRE RESISTANCE RATED WALL ASSEMBLY INDICATED.
THERMAL BARRIER: FM 489 CLASS 1, APPROVED FOR USE WITHOUT A THERMAL BARRIER. NEMA GRADE HDH PLASTIC LAMINATE UNLESS OTHERWISE INDICATED.
POTENTIAL HEAT: NFPA 280, TEST TO EXCEED POTENTIAL HEAT OF FOAM PLASTIC INSULATION IN INTERMEDIATE SCALE MULTI-STORY FIRE TEST.
SURFACE BURNING CHARACTERISTICS: ASTM E84 OR UL 723, ALL COMPONENTS COMPLY WITH SURFACE BURNING CHARACTERISTICS, ADHESIVES AND FACINGS TO HAVE MAXIMUM FLAME SPREAD INDEX OF 25 AND MAXIMUM SMOKE DEVELOPED INDEX OF 450.
INTERMEDIATE SCALE MULTI-STORY FIRE TEST: NFPA 288 (UBC STD 26-9), SEE PASS ACCEPTANCE CRITERIA.
IGNITION: NFPA 288, PASS ACCEPTANCE CRITERIA.

4.15 INSULATED METAL WALL PANELS:
GENERAL: PROVIDE STRUCTURAL INSULATED METAL WALL PANEL SYSTEMS MEETING INDICATED REQUIREMENTS AS DETERMINED BY QUALIFIED TESTING AGENCY.
STRUCTURAL PERFORMANCE: WITHSTAND DESIGN WIND LOADS INDICATED, WITH MAXIMUM DEFLECTION OF 1/120 OF THE SPAN.
THERMAL MOVEMENT: ALLOW FOR THERMAL MOVEMENT AND DEFLECTION FROM AMBIENT AND INTERNAL TEMPERATURE VARIATIONS.
FIRE PERFORMANCE:
FIRE-RESISTANCE RATED CONSTRUCTION: ASTM E119 OR UL 263, CLASSIFIED AS A COMPONENT OF THE FIRE RESISTANCE RATED WALL ASSEMBLY INDICATED.
THERMAL BARRIER: FM 489 CLASS 1, APPROVED FOR USE WITHOUT A THERMAL BARRIER. NEMA GRADE HDH PLASTIC LAMINATE UNLESS OTHERWISE INDICATED.
POTENTIAL HEAT: NFPA 280, TEST TO EXCEED POTENTIAL HEAT OF FOAM PLASTIC INSULATION IN INTERMEDIATE SCALE MULTI-STORY FIRE TEST.
SURFACE BURNING CHARACTERISTICS: ASTM E84 OR UL 723, ALL COMPONENTS COMPLY WITH SURFACE BURNING CHARACTERISTICS, ADHESIVES AND FACINGS TO HAVE MAXIMUM FLAME SPREAD INDEX OF 25 AND MAXIMUM SMOKE DEVELOPED INDEX OF 450.
INTERMEDIATE SCALE MULTI-STORY FIRE TEST: NFPA 288 (UBC STD 26-9), SEE PASS ACCEPTANCE CRITERIA.
IGNITION: NFPA 288, PASS ACCEPTANCE CRITERIA.

4.16 INSULATED METAL WALL PANELS:
GENERAL: PROVIDE STRUCTURAL INSULATED METAL WALL PANEL SYSTEMS MEETING INDICATED REQUIREMENTS AS DETERMINED BY QUALIFIED TESTING AGENCY.
STRUCTURAL PERFORMANCE: WITHSTAND DESIGN WIND LOADS INDICATED, WITH MAXIMUM DEFLECTION OF 1/120 OF THE SPAN.
THERMAL MOVEMENT: ALLOW FOR THERMAL MOVEMENT AND DEFLECTION FROM AMBIENT AND INTERNAL TEMPERATURE VARIATIONS.
FIRE PERFORMANCE:
FIRE-RESISTANCE RATED CONSTRUCTION: ASTM E119 OR UL 263, CLASSIFIED AS A COMPONENT OF THE FIRE RESISTANCE RATED WALL ASSEMBLY INDICATED.
THERMAL BARRIER: FM 489 CLASS 1, APPROVED FOR USE WITHOUT A THERMAL BARRIER. NEMA GRADE HDH PLASTIC LAMINATE UNLESS OTHERWISE INDICATED.
POTENTIAL HEAT: NFPA 280, TEST TO EXCEED POTENTIAL HEAT OF FOAM PLASTIC INSULATION IN INTERMEDIATE SCALE MULTI-STORY FIRE TEST.
SURFACE BURNING CHARACTERISTICS: ASTM E84 OR UL 723, ALL COMPONENTS COMPLY WITH SURFACE BURNING CHARACTERISTICS, ADHESIVES AND FACINGS TO HAVE MAXIMUM FLAME SPREAD INDEX OF 25 AND MAXIMUM SMOKE DEVELOPED INDEX OF 450.
INTERMEDIATE SCALE MULTI-STORY FIRE TEST: NFPA 288 (UBC STD 26-9), SEE PASS ACCEPTANCE CRITERIA.
IGNITION: NFPA 288, PASS ACCEPTANCE CRITERIA.

4.17 INSULATED METAL WALL PANELS:
GENERAL: PROVIDE STRUCTURAL INSULATED METAL WALL PANEL SYSTEMS MEETING INDICATED REQUIREMENTS AS DETERMINED BY QUALIFIED TESTING AGENCY.
STRUCTURAL PERFORMANCE: WITHSTAND DESIGN WIND LOADS INDICATED, WITH MAXIMUM DEFLECTION OF 1/120 OF THE SPAN.
THERMAL MOVEMENT: ALLOW FOR THERMAL MOVEMENT AND DEFLECTION FROM AMBIENT AND INTERNAL TEMPERATURE VARIATIONS.
FIRE PERFORMANCE:
FIRE-RESISTANCE RATED CONSTRUCTION: ASTM E119 OR UL 263, CLASSIFIED AS A COMPONENT OF THE FIRE RESISTANCE RATED WALL ASSEMBLY INDICATED.
THERMAL BARRIER: FM 489 CLASS 1, APPROVED FOR USE WITHOUT A THERMAL BARRIER. NEMA GRADE HDH PLASTIC LAMINATE UNLESS OTHERWISE INDICATED.
POTENTIAL HEAT: NFPA 280, TEST TO EXCEED POTENTIAL HEAT OF FOAM PLASTIC INSULATION IN INTERMEDIATE SCALE MULTI-STORY FIRE TEST.
SURFACE BURNING CHARACTERISTICS: ASTM E84 OR UL 723, ALL COMPONENTS COMPLY WITH SURFACE BURNING CHARACTERISTICS, ADHESIVES AND FACINGS TO HAVE MAXIMUM FLAME SPREAD INDEX OF 25 AND MAXIMUM SMOKE DEVELOPED INDEX OF 450.
INTERMEDIATE SCALE MULTI-STORY FIRE TEST: NFPA 288 (UBC STD 26-9), SEE PASS ACCEPTANCE CRITERIA.
IGNITION: NFPA 288, PASS ACCEPTANCE CRITERIA.

4.18 INSULATED METAL WALL PANELS:
GENERAL: PROVIDE STRUCTURAL INSULATED METAL WALL PANEL SYSTEMS MEETING INDICATED REQUIREMENTS AS DETERMINED BY QUALIFIED TESTING AGENCY.
STRUCTURAL PERFORMANCE: WITHSTAND DESIGN WIND LOADS INDICATED, WITH MAXIMUM DEFLECTION OF 1/120 OF THE SPAN.
THERMAL MOVEMENT: ALLOW FOR THERMAL MOVEMENT AND DEFLECTION FROM AMBIENT AND INTERNAL TEMPERATURE VARIATIONS.
FIRE PERFORMANCE:
FIRE-RESISTANCE RATED CONSTRUCTION: ASTM E119 OR UL 263, CLASSIFIED AS A COMPONENT OF THE FIRE RESISTANCE RATED WALL ASSEMBLY INDICATED.
THERMAL BARRIER: FM 489 CLASS 1, APPROVED FOR USE WITHOUT A THERMAL BARRIER. NEMA GRADE HDH PLASTIC LAMINATE UNLESS OTHERWISE INDICATED.
POTENTIAL HEAT: NFPA 280, TEST TO EXCEED POTENTIAL HEAT OF FOAM PLASTIC INSULATION IN INTERMEDIATE SCALE MULTI-STORY FIRE TEST.
SURFACE BURNING CHARACTERISTICS: ASTM E84 OR UL 723, ALL COMPONENTS COMPLY WITH SURFACE BURNING CHARACTERISTICS, ADHESIVES AND FACINGS TO HAVE MAXIMUM FLAME SPREAD INDEX OF 25 AND MAXIMUM SMOKE DEVELOPED INDEX OF 450.
INTERMEDIATE SCALE MULTI-STORY FIRE TEST: NFPA 288 (UBC STD 26-9), SEE PASS ACCEPTANCE CRITERIA.
IGNITION: NFPA 288, PASS ACCEPTANCE CRITERIA.

4.19 INSULATED METAL WALL PANELS:
GENERAL: PROVIDE STRUCTURAL INSULATED METAL WALL PANEL SYSTEMS MEETING INDICATED REQUIREMENTS AS DETERMINED BY QUALIFIED TESTING AGENCY.
STRUCTURAL PERFORMANCE: WITHSTAND DESIGN WIND LOADS INDICATED, WITH MAXIMUM DEFLECTION OF 1/120 OF THE SPAN.
THERMAL MOVEMENT: ALLOW FOR THERMAL MOVEMENT AND DEFLECTION FROM AMBIENT AND INTERNAL TEMPERATURE VARIATIONS.
FIRE PERFORMANCE:
FIRE-RESISTANCE RATED CONSTRUCTION: ASTM E119 OR UL 263, CLASSIFIED AS A COMPONENT OF THE FIRE RESISTANCE RATED WALL ASSEMBLY INDICATED.
THERMAL BARRIER: FM 489 CLASS 1, APPROVED FOR USE WITHOUT A THERMAL BARRIER. NEMA GRADE HDH PLASTIC LAMINATE UNLESS OTHERWISE INDICATED.
POTENTIAL HEAT: NFPA 280, TEST TO EXCEED POTENTIAL HEAT OF FOAM PLASTIC INSULATION IN INTERMEDIATE SCALE MULTI-STORY FIRE TEST.
SURFACE BURNING CHARACTERISTICS: ASTM E84 OR UL 723, ALL COMPONENTS COMPLY WITH SURFACE BURNING CHARACTERISTICS, ADHESIVES AND FACINGS TO HAVE MAXIMUM FLAME SPREAD INDEX OF 25 AND MAXIMUM SMOKE DEVELOPED INDEX OF 450.
INTERMEDIATE SCALE MULTI-STORY FIRE TEST: NFPA 288 (UBC STD 26-9), SEE PASS ACCEPTANCE CRITERIA.
IGNITION: NFPA 288, PASS ACCEPTANCE CRITERIA.

4.20 INSULATED METAL WALL PANELS:
GENERAL: PROVIDE STRUCTURAL INSULATED METAL WALL PANEL SYSTEMS MEETING INDICATED REQUIREMENTS AS DETERMINED BY QUALIFIED TESTING AGENCY.
STRUCTURAL PERFORMANCE: WITHSTAND DESIGN WIND LOADS INDICATED, WITH MAXIMUM DEFLECTION OF 1/120 OF THE SPAN.
THERMAL MOVEMENT: ALLOW FOR THERMAL MOVEMENT AND DEFLECTION FROM AMBIENT AND INTERNAL TEMPERATURE VARIATIONS.
FIRE PERFORMANCE:
FIRE-RESISTANCE RATED CONSTRUCTION: ASTM E119 OR UL 263, CLASSIFIED AS A COMPONENT OF THE FIRE RESISTANCE RATED WALL ASSEMBLY INDICATED.
THERMAL BARRIER: FM 489 CLASS 1, APPROVED FOR USE WITHOUT A THERMAL BARRIER. NEMA GRADE HDH PLASTIC LAMINATE UNLESS OTHERWISE INDICATED.
POTENTIAL HEAT: NFPA 280, TEST TO EXCEED POTENTIAL HEAT OF FOAM PLASTIC INSULATION IN INTERMEDIATE SCALE MULTI-STORY FIRE TEST.
SURFACE BURNING CHARACTERISTICS: ASTM E84 OR UL 723, ALL COMPONENTS COMPLY WITH SURFACE BURNING CHARACTERISTICS, ADHESIVES AND FACINGS TO HAVE MAXIMUM FLAME SPREAD INDEX OF 25 AND MAXIMUM SMOKE DEVELOPED INDEX OF 450.
INTERMEDIATE SCALE MULTI-STORY FIRE TEST: NFPA 288 (UBC STD 26-9), SEE PASS ACCEPTANCE CRITERIA.
IGNITION: NFPA 288, PASS ACCEPTANCE CRITERIA.

6 WOOD

6.01 ROUGH