GENERAL REQUIREMENTS

- THE REQUIREMENTS OF THE GENERAL CONDITIONS OF THE AGREEMENT AND THIS GENERAL REQUIREMENT APPLY TO THE SEVERAL TRADE SECTIONS WITH THE SAME FORCE AS THOUGH FULLY REPEATED IN EACH TRADE SECTION.
- NAME BRANDS ARE INDICATED TO ESTABLISH A STANDARD OF QUALITY. ITEMS OF EQUAL OR BETTER QUALITY MAY BE SUBSTITUTED FOR THE LISTED BRAND NAMED PRODUCTS WITH THE WRITTEN APPROVAL OF D.S.A. AND THE ARCHITECT.
- C. ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF TITLES 19 AND 24 CALIFORNIA CODE OF REGULATIONS, 2016 C.B.C. NO CHANGES SHALL BE MADE FROM D.S.A. APPROVED DRAWINGS OR SPECIFICATIONS WITHOUT PRIOR WRITTEN APPROVAL OF D.S.A. AND THE RDPRC. SCOPE OF WORK
- A. THE WORK CONSISTS OF MANUFACTURING OFF-SITE IN A PLANT AND INSTALLING ON-SITE, MODULAR RELOCATABLE BUILDINGS AS DEFINED
- HEREIN AND SHOWN AND DETAILED ON DRAWINGS. ALL REQUIREMENTS OF TITLE 24 OF THE STATE OF CALIFORNIA, CODE OF REGULATIONS. RELATING TO INSPECTIONS AND VERIFIED REPORTS SHALL BE COMPLIED WITH AND SHALL INCLUDE:
- GENERAL RESPONSIBLE CHARGE OF FIELD ADMINISTRATION TO BE
- PROVIDED BY THE RDPRC. INSPECTION IN-PLANT DURING THE COURSE OF CONSTRUCTION BY AN INSPECTOR APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND THE DISTRICT ARCHITECT. THE INSPECTOR SHALL BE RESPONSIBLE FOR AND APPROVED TO INSPECT THE GENERAL CONSTRUCTION WELDING, MECHANICAL, AND ELECTRICAL WORK. COST OF THESE INSPECTIONS SHALL BE BORNE BY THE SCHOOL
- ON-SITE INSPECTION OF THE BUILDING INSTALLATION ELECTRICAL AND UTILITY INSTALLATION OR CONNECTIONS BY AN INSPECTOR APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND THE DISTRICT ARCHITECT AND RETAINED BY THE SCHOOL DISTRICT. OTHER SPECIAL TESTS OR INSPECTIONS AS MAY BE REQUIRED BY
- THE DIVISION OF THE STATE ARCHITECT. 5. ADDENDUMS SHALL BE SIGNED BY THE RDPRC & APPROVED BY
- 6. CHANGES TO CONSTRUCTION DOCUMENT AFFECTING ACS, FLS & SSS SHALL BE SIGNED BY THE OWNER & THE RDPRC & APPROVED BY D.S.A. PRIOR TO COMMENCING WORK. CHANGES TO THE CONSTRUCTION COST ARE REPORTED TO D.S.A. USING FORM DSA-168 AT THE CONCLUSION OF THE PROJECT.
- 7. THE TESTING LAB SHALL BE IN THE EMPLOY OF THE OWNER. 8. ALL CONTRACTORS SHALL VERIFY ALL WORK CONDITIONS, DIMENSIONS AND DETAILS AND REPORT ANY OR ALL OMISSIONS AND DISCREPANCIES TO THE DESIGNER/OWNER IMMEDIATELY BEFORE COMMENCING WORK.
- 9. EACH CONTRACTOR TO BE RESPONSIBLE TO SEE THAT THEIR WORK CONFORMS TO ALL GOVERNMENTAL CODES WHETHER OR NOT SO
- 10. ALL MATERIALS AND WORKMANSHIP TO CONFORM TO THE LATEST REQUIREMENTS OF THE GOVERNING BUILDING CODES IN EFFECT AT
- 11. ALL MANUFACTURED ARTICLES, MATERIALS AND EQUIPMENT SHALL BE APPLIED, INSTALLED, CONNECTED AND ERECTED PER MANUFACTURER'S DIRECTIONS AND INSTRUCTIONS.
- 12. SHOP DRAWINGS MAY BE REQUIRED. IF SO, THEY WILL BE ACCURATELY DRAWN TO A LARGE ENOUGH SCALE TO SHOW ALL PERTINENT FEATURES OF THE ITEM AND ITS CONNECTION TO RELATED WORK
- 13. THE MANUFACTURER OF BUILDING IS TO PLACE TWO PERMANENT METAL IDENTIFICATION LABEL ON EACH MODULE, MECHANICALLY FASTENED TO THE FRAME SEE "GENERAL DESIGN REQUIREMENTS" SHEET N2.0. FOR PROJECTS MANUFACTURED OFF-SITE, THE PLANT INSPECTOR IS TO INDICATE THE MANUFACTURER'S NAME AND SERIAL NUMBER OF EACH MODULE ON THE VERIFIED REPORT AND
- 14. ALL TESTS AND INSPECTIONS REQUIRED BY DSA SHALL BE COMPLIED WITH. ALL TESTS REQUIRED BY FIRE AND LIFE SAFETY REGULATIONS SHALL BE BY A NATIONALLY RECOGNIZED TESTING

SECTION 2 FOUNDATION

ASSUMED ALLOWABLE SOIL BEARING:

- 1500 P.S.F. FOR CONCRETE FOUNDATIONS EMBEDDED 12" MINIMUM BELOW GRADE. (1/3 INCREASE IN SOIL BEARING CAPACITY NOT PERMITTED UNLESS USING ALTERNATIVE BASIC LOAD COMBINATIONS PER CBC SECTION 1605A.3.2)
- FOOTINGS SHALL BE LOCATED ON UNDISTURBED, FIRM, NATURAL SOIL OR APPROVED COMPACTED FILL.
- NOTE: THE FOUNDATION SYSTEM PRESENTED HEREIN COMPLIES WITH INTERPRETATION OF REGULATIONS, IR 16-1, ISSUED BY DIVISION OF THE STATE ARCHITECT. FOR TEMPORARY BUILDINGS. THIS FOUNDATION SYSTEM IS NON-CONVENTIONAL AND THE STRUCTURAL ENGINEER TAKES NO RESPONSIBILITY FOR ITS CONSTRUCTION OR LONGEVITY.

. Work not included:

A. ALL ON-SITE OR OFF-SITE UTILITIES AND THE CONNECTION OF THEM TO THE BUILDING UNLESS INDICATED ON THE DRAWINGS. B. ALL LEVELING, GRADING OR OTHER SITE PREPARATION EXCEPT

CONCRETE OR WOOD LEVELING STRIPS WHERE REQUIRED, UNLESS

- OTHERWISE INDICATED ON THE DRAWINGS. C. FIRE ALARM SYSTEM, PROGRAM BELL, PUBLIC ADDRESS SYSTEM, INTERCOM SYSTEM, TV, TELEPHONE SYSTEM, UNLESS OTHERWISE INDICATED ON THE DRAWINGS, OR MODIFIED BY CHANGE ORDER. WHEELS AND HITCH SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.
- ACCESSIBILITY OF SITE: THE SCHOOL DISTRICT SHALL PROVIDE ACCESS TO THE SITE FOR THE INSTALLATION OF BUILDINGS. REMOVAL OF TREES, SHRUBS, FENCING, SPRINKLERS ETC. NECESSARY FOR THE MOVE-IN OF BUILDINGS SHALL BE THE RESPONSIBILITY OF THE SCHOOL DISTRICT.

SECTION 3 CONCRETE

SLABS-ON-GRADE...

CONCRETE OVER METAL DECK

- CONCRETE CONSTRUCTION SHALL CONFORM TO ACI 318-14.
- THE MINIMUM 28 DAY STRENGTH AND TYPE OF CONCRETE SHALL BE AS FOLLOWS: .3500 PSI (150 PCF) FOUNDATIONS. ..3000 PSI (150 PCF) FOUNDATION VENTS & ACCESS WELLS.... ..3000 PSI (150 PCF)
- THE MAXIMUM WATER TO CEMENT (W/C) RATIO SHALL BE 0.55 FOR FOUNDATIONS AND 0.40-0.45 FOR CONCRETE OVER METAL DECK SLABS.

...3000 PSI (110 PCF)

- . CONCRETE SLUMP SHALL BE 4" ± 1".
- CEMENT SHALL CONFORM TO ASTM C150, TYPE I OR II.
- A. FLY ASH SHALL CONFORM TO ASTM C618 CLASS 'F' OR 'N' AND SHALL NOT EXCEED 25% CEMENT REPLACEMENT BY WEIGHT. B. SLAG CEMENT SHALL CONFORM TO ASTM C989, GRADE 100 OR 120
- AND SHALL NOT EXCEED 50% CEMENT REPLACEMENT BY WEIGHT. C. COMBINATION OF FLY ASH & SLAG CEMENT SHALL NOT EXCEED 50% CEMENT REPLACEMENT BY WEIGHT. CONCRETE AGGREGATES:
- A. NATURAL SAND AND ROCK AGGREGATES SHALL CONFORM TO ASTM C33. B. LIGHTWEIGHT AGGREGATE SHALL CONFORM TO ASTM C330. C. MAX AGGREGATE SIZE SHALL BE 1"±1/4" FOR NORMAL WT. CONCRETE.
- REINFORCING SHALL CONFORM TO ASTM A615-GRADE 60, UNLESS OTHERWISE NOTED.

D. MAX AGGREGATE SIZE SHALL BE 1/2" FOR LIGHT WT. CONCRETE.

- CONCRETE continued
- CONCRETE COVERAGE SHALL BE AS FOLLOWS, UNLESS OTHERWISE NOTED
- ON DRAWINGS: CONCRETE DIRECTLY AGAINST GROUND (EXCEPT SLABS) CONCRETE EXPOSED TO GROUND BUT PLACED IN FORMS.POSITION IN CENTER OF SLAB SLABS (ON GROUND)
- . ALL BARS SHALL HAVE A CLASS B MINIMUM LAP SPLICE PER DETAILS 6 & 9/S1.4 AND SPLICES IN ADJACENT BARS SHALL BE STAGGERED, U.N.O. 10. RFINFORCING BARS SHALL NOT BE WELDED UNLESS SPECIFICALLY DETAILED IN THE APPROVED DRAWINGS. BARS DETAILED TO BE WELDED SHALL BE ASTM A706 BARS AND WELDING ELECTRODES SHALL BE E80XX. WELDING
- SHALL CONFORM WITH AWS D1.4-11 AND SHALL BE CONTINUOUSLY . WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185 AND SHALL BE LAP SPLICED TWO SQUARES MINIMUM EACH DIRECTION.
- 12. NOTIFY THE RDPRC PRIOR TO PLACING CONCRETE. 13. CHEMICAL ADMIXTURES SHALL CONFORM TO ASTM C494. 14. AIR-ENTRAINING ADMIXTURE SHALL CONFORM TO ASTM C260. 15. NON-SHRINK GROUT: ASTM C1107, 5000 PSI MIN AT 7 DAYS.
- GENERAL ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF AISC 360-10, TITLE 24 OF CALIFORNIA CODE OF REGULATIONS SECTION 2212A.1.2. AND THE AMERICAN IRON AND STEEL INSTITUTE SPECIFICATIONS FOR DESIGN OF STEEL STRUCTURAL MEMBERS. A COPY OF TITLE 24
- SHALL BE KEPT AT THE JOBSITE AT ALL TIMES. A. FABRICATION AND ERECTION SHALL COMPLY WITH AISC 360-10 CHAPTER 'M' AND AISC 341-10 CHAPTER 'I'.
- WELDING ALL WELDING DONE BY SHIELDED ELECTRIC-ARC OR FLUX CORED-ARC PROCESS COMPLYING WITH REQUIREMENTS OF THE "STRUCTURAL WELDING CODE" OF THE AMERICAN WELDING SOCIETY. WELDING DONE BY OPERATORS QUALIFIED BY TESTS ACCEPTABLE TO THE DIVISION OF THE STATE ARCHITECT. WELDING INSPECTION PER TITLE 24, PART 2, CCR, SECTIONS 1705A.2.5 WELDING ELECTRODE SHALL BE E70XX. ALL WELDS USED IN PRIMARY MEMBERS AND CONNECTIONS IN THE ATERAL FORCE-RESISTING SYSTEMS SHALL BE MADE WITH A FILLER METAL THAT HAS A MINIMUM CHARPY V-NOTCH TOUGHNESS OF 20FT-LBS
- AT ZERO DEGREES F AND COMPLYING WITH AWS D1.8-09. SECTION 6.3. STRUCTURAL STEEL SHAPES SHALL CONFORM TO THE FOLLOWING: A. WIDE FLANGE BEAMS SHALL CONFORM TO ASTM A992, GRADE 50, TYP.
- B. STRUCTURAL STEEL CHANNELS SHALL CONFORM TO ASTM A36 (36 KSI) TYP. U.N.O. NOTE: ASTM A572 (50 KSI) MAY BE SUBSTITUTED FOR A36 (36 KSI). WHERE DRAWINGS SPECIFY 36 KSI MIN., CHANNELS MAY CONFORM TO EITHER ASTM A36 (36KSI) OR ASTM A572 (50 KSI). C. PIPE COLUMNS SHALL CONFORM TO ASTM A-53 WITH SULFUR
- CONTENT NOT EXCEEDING 0.05% TYP. U.N,O. D. STRUCTURAL STEEL TUBING (HSS) SHALL CONFORM TO ASTM A-500
- GRADE B OR C OR ASTM A1085, TYP. U.N.O. E. STEEL PLATES, ANGLES, BARS AND MISC. SHAPES SHALL CONFORM TO ASTM A36 (36 KSI) TYP. U.N.O. NOTE: ASTM A572 (50 KSI) MAY BE
- SUBSTITUTED FOR A36 (36 KSI). F. STRUCTURAL WELDS ARE DESIGNED FOR FULL ALLOWABLE STRESS UNLESS OTHERWISE NOTED. ERECTION - STRUCTURAL STEEL ERECTED TRUE, STRAIGHT, PLUMB AND TO
- ITS DESIGNATED LOCATIONS. FIELD CONNECTIONS BOLTED OR WELDED AS INDICATED ON THE DRAWINGS. NAILS, BOLTS, SCREWS AND NUTS, ETC. - FOR EXTERIOR WORK SHALL BE CADMIUM PLATED OR GALVANIZED A. BOLTS FOR STRUCTURAL STEEL CONNECTIONS SHALL CONFORM TO ASTM A-307 UNLESS OTHERWISE NOTED. ALL HOLES FOR BOLTS THRU STEEL TO BE DRILLED, OR TORCHED PILOT HOLE AND REAMED TO DIAMETER IF BOLT +1/16" UNLESS OTHERWISE NOTED. NELSON STUDS
- (WELDED TO STEEL) MAY BE SUBSTITUTED FOR BOLTS SAME LENGTH AND DIAMETER. SEE "FASTENERS FOR ATTACHMENT TO STEEL" ON SHEET N2.0 FOR SHOT PINS & SCREWS.
- HANDRAILS FABRICATED, AS DETAILED, NON-FILLET WELDS GROUND
- A. EXPOSED STEEL COATED WITH ONE SHOP COAT OF RED OXIDE PRIMER. B. ALL SURFACES THOROUGHLY CLEANED BY EFFECTIVE MEANS PRIOR TO APPLICATION OF SHOP COATS.
- A. PROVIDE MILL CERTIFICATES OR TEST ALL STEEL MEMBERS PER TITLE-24 PART 2, CCR SECTION 1705A.2 & 2203A.
- **SECTION 6** CARPENTRY
- CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL CARPENTRY. LUMBER GRADE MARKED IN ACCORDANCE WITH "STANDARD GRADING AND
- DRESSING RULES NO. 17" OF WEST COAST LUMBER INSPECTION BUREAU, OR "WESTERN LUMBER GRADING RULES", LATEST EDITION OF WESTERN WOOD PRODUCTS ASSOCIATION. OSB OR PLYWOOD GRADE MARKED IN ACCORDANCE WITH PRODUCT STANDARD PS 1-09 FOR SOFTWOOD OSB OR PLYWOOD, OF AMERICAN PLYWOOD ASSOCIATION. EACH SHEET SHALL BEAR THE STAMP OF APA, PITTSBURGH TESTING, OR TECO. MOISTURE CONTENT SHALL NOT EXCEED 19%.
- A. JOISTS, HEADERS, PLATES STUDS: DOUGLAS FIR S4S #2 OR HEM FIR S4S #2 MIN. U.N.O. NOTE: MSR 1650 E1.5 MAY BE SUBSTITUTED FOR #2 GRADE IF IT MEETS THE STRUCTURAL REQUIREMENTS FOR FLOOR
- B. PSL HEADERS: TRUS JOIST PARALLAM PSL BY WEYERHAEUSER (ICC ESR-1387) OR EQUIV. MEETING THE FOLLOWING STRUCTURAL

PROPERTIES:	
BEAMS ≤ 7" DEEP & COLUMNS	BEAMS ≥ 94° DEEP
F _b = 2400 PSI MIN.	F _b = 2900 PSI MIN.
Fv = 190 PSI MIN.	$F_v = 290 \text{ PSI MIN.}$
E = 1.8E6 PSI MIN.	E = 2.0E6 PSI MIN.
C POSTS AND TIMBERS DOLIGIAS	FIR S4S #1 OR HEM FIR S4S #1

- C. PUSIS AND HIMBERS: DUUGLAS FIR 345 #1 OR HEM FIR 345 #1 D. BLOCKING: DOUG FIR #3, OR HEM FIR #3, OR STD. & BET. E. SILLS AND LUMBER & SHIM PLATES IN CONTACT WITH CONCRETE, MASONRY OR EARTH: DOUG FIR #2 OR HEM FIR #2 MIN. PRESSURE TREATED IN ACCORDANCE WITH CBC 2304.12.1. EACH PIECE SHALL
- F. MOISTURE BARRIER: KRAFT WATERPROOF BUILDING PAPER, OR 15 LB. FELT, CBC SECTION 1404.2. & ASTM D226, TYPE I. G. STUDS - S4S DOUG FIR #2 OR #2 HEM FIR. MAXIMUM MOISTURE CONTENT OF 19% AT TIME OF INSTALLATION.

(OR H.F.) #2 ABOVE GROUND.

BEAR AWPA STAMP. AWPA STANDARD U1 & T1 GROUND CONTACT, D.F.

- H. FASTENERS FASTENERS SHALL BE CORROSION RESISTANT PER C.B.C. 2304.10.1.1 COMMON NAILS PER ASTM F1667 FOR EXTERIOR SIDING & FOUNDATION ONLY. 1. BUILDING TRIM - 2x RESAWN SELECT D.F., H.F., OR CEDAR.
- J. DOOR/WINDOW TRIM 1x4 RESAWN D.F., H.F., OR CEDAR. K. FRAMING CONNECTORS SHALL BE FROM SIMPSON CATALOG LATEST ED. L. FIRE BLOCKS SHALL CONFORM TO CBC SECTION 718.2
- M. ALL NAILS SHALL BE COMMON NAILS PER ASTM F1667 UNLESS OTHERWISE NOTED. N. ALL CUT ENDS & HOLES IN PRESSURE TREATED LUMBER SHALL BE
- TREATED WITH "CUPRINOL". O. ALL BOLTS & LAG SCREWS SHALL COMPLY WITH THE 2015 NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (ANSI\AWC NDS-2015).

CARPENTRY continued

- P. HOLES FOR BOLTS IN WOOD SHALL BE BORED WITH A BIT OF THE SAME NOMINAL DIAMETER AS THE BOLT + 1/16".
- Q. HOLES FOR LAG SCREWS SHALL BE FIRST BORED TO THE SAME NOMINAL DIAMETER AND DEPTH AS THE SHANK. THE REMAINDER OF THE HOLE SHALL BE NO LARGER THAN THE ROOT OF THE THREAD.
- R. ALL BOLTS AND LAG SCREWS SHALL BE PROVIDED WITH METAL WASHERS UNDER HEADS AND NUTS WHICH BEAR ON WOOD. <u>WORKMANSHIP</u>
- A. FRAMING SECURELY NAILED, BRIDGED AND BLOCKED TO FORM RIGID STRUCTURE. WORK CUT, FITTED AND ASSEMBLED LEVEL PLUMB AND TRUE TO LINE. TRIM IN AS LONG LENGTHS AS POSSIBLE WITH ALL STANDING TRIM IN ONE PIECE. TRIM SEALED AT ALL EDGES.
- B. NAILING IN ACCORDANCE WITH TITLE 24, CALIFORNIA BUILDING CODE, TABLE 2304.10.1. C. EXTERIOR WALLS - FACTORY FABRICATED. CAULKING PROVIDED BETWEEN PERIMETER OF WALL AND STRUCTURAL MEMBERS PROVIDING WEATHER-PROOF AND WATER-TIGHT SEAL. NECESSARY CLOSERS,
- SEALS, AND FLASHINGS PLACED AT TOP AND BASE SUPPORT OF PANELS AND AROUND OPENINGS. D. NAILS INTO P.T. LUMBER TO BE HOT DIPPED GALVANIZED. E. MACHINE APPLIED NAILING: USE OF MACHINE NAILING IS SUBJECT TO A SATISFACTORY JOBSITE DEMONSTRATION FOR EACH PROJECT AND THE APPROVAL BY THE RDPRC AND THE DIVISION OF THE STATE ARCHITECT. THE APPROVAL IS SUBJECT TO CONTINUED SATISFACTORY PERFORMANCE. MACHINE NAILING WILL NOT BE APPROVED IN 5/16" OSB. IF NAILHEADS PENETRATE THE OUTER PLY MORE THAN WOULD
- DISTANCES ARE NOT MAINTAINED THE PERFORMANCE WILL BE DEEMED UNSATISFACTORY. MOISTURE BARRIER - APPLIED TO STUDS WEATHER-BOARD FASHION. HORIZONTAL JOINTS LAPPED MIN 6" INCLUDING BUILDING CORNERS. SHEATHING APPLIED OVER MOISTURE BARRIER.

BE NORMAL FOR A HAND HAMMER OR IF MINIMUM ALLOWABLE EDGE

G. TRIM SEALED AT ALL EDGES. SEALANT PAINTED TO MATCH TRIM OR SIDING UNLESS TRANSPARENT TYPE.

SECTION 7A SHEET METAL (NON-STRUCTURAL SCOPE OF WORK

CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL INDICATED SHEET METAL.

- A. SHEET METAL STEEL SHEETS HOT DIP GALVANIZED WITH 1.25 OZ. PFR SQUARE FOOT ZINC COATING CONFORMING TO ASTM A653
- MINIMUM 26 GA. UNLESS OTHERWISE NOTED ON THE DRAWINGS. SOLDER - OF STAND, GRADE "A" OF EQUAL PARTS, ARD BRAND, LEAD AND TIN ASTM B32.
- . FLUX ZINC SATURATED MURIATIC ACID.
- GA. G-90 GALV. STEEL 2"x3" CONVOLUTED 30 GA. G-90 GALV. STEEL DOWNSPOUTS: GUTTER ENDCAPS: 26 GA. G-90 GALV. STEEL GUTTER CLIPS: 18 GA. G-90 GALV. STEEL
- SELF-DRILLING OR SELF-TAPPING SHEET METAL SCREWS. LENGTH TO HAVE (3) EXPOSED THREADS MIN.
- SHEET METAL ACCURATELY FORMED TO DIMENSIONS AND SHAPES DETAILED WITH TRUE STRAIGHT LINES, CORNERS AND ANGLES. FLASHING INSTALLED IN LONGEST LENGTHS POSSIBLE. EXTERIOR WORK FORMED, FABRICATED AND INSTALLED SO THAT IT ADEQUATELY PROVIDES FOR EXPANSION AND CONTRACTION IN THE COMPLETED WORK AND FINISHES WATER AND WEATHER TIGHT. ALUMINUM SHALL BE SEPARATED FROM FERROUS METAL BY POLYETHYLENE TAPE OR FLOOD COAT OF ASPHALTIC PAINT.

METAL ROOFING

- CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL METAL ROOFING.
- A. ROOF: 3 INCH STANDING SEAM, MINIMUM 20-GAUGE G-90 GALV. INTERLOCKING (UN-PENETRATED) SHEET STEEL PANELS (G90). ALTERNATE: 26 GAUGE WHEN INSTALLED OVER PLYWOOD SHEATHING.
- B. CLASS B FIRE RATING.

SUBSTRATE.

COAL TAR ROOFS.

TESTING:

C. FASTENERS SHALL BE HOT-DIPPED GALVANIZED.

SECTION 7C

- CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL AND SERVICES TO SEAL BUILDINGS.
- VULKEM SEALANT, POLYURETHANE, MANUFACTURED BY MAMECO INTERNATIONAL FOR ROOFS. "GEOCEL" SILICONIZED CAULK, GE, DUPONT, EAGLESEAL OR DAP FOR ALL OTHER APPLICATIONS, OR EQUAL. A. SEALANT V.O.C. LIMITS PER SCAQMD RULE 1168 (AS SHOWN IN TITLE 24, PART 11, TABLE 5.504.4.1 AND TABLE 5.504.4.2)
- SEALANT APPLIED TO DRY CLEAN SURFACES, WHEREVER INDICATED ON DETAILS AND AS NEEDED TO MAKE BUILDING WATERTIGHT IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

SINGLE-PLY / BUILT-UP ROOFING SECTION 7D

- SCOPE OF WORK CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL AND SERVICES TO INSTALL SINGLY-PLY OR BUILT-UP ROOFING. THE ROOFING SYSTEM SHALL WITHSTAND THE UPLIFT OF 110 MPH ULTIMATE WIND SPEED.
- MEMBRANE: PVC FILM LAMINATED TO BOTH SIDES OF A REINFORCEMENT FABRIC, OR EQUIV. - PROPRIETARY THERMOPLASTIC PVC FORMULATION OF RESINS, PLASTICIZERS, STABILIZERS, BIOCIDES, FLAME RETARDANTS, AND U.V. ABSORBENTS. CLASS B FIRE RATING. . WOOD NAILERS MUST BE A #2 GRADE LUMBER, OR EQUIVALENT, TO
- **WORKMANSHIP** MEMBRANE APPLIED ON SUBSTRATES THAT ARE DRY, CLEAN, AND FREE OF FINS, SHARP EDGES AND LOOSE, FOREIGN MATERIALS, WHEREVER INDICATED ON DETAILS. AN INSULATION OR SLIP SHEET HAVING AN APPROVED FACER MUST BE USED WHEN ROOFING OVER ASPHALT OR
- A. MEMBRANE SHALL BE DESIGNED TO PERFORM IN ALL TYPES OF WEATHER AND SHALL COMPLY TO ASTM D-2136 TESTING METHODS.
- B. MEMBRANE SHALL BE DESIGNED IN ACCORDANCE TO ASTM D-4434 "STANDARD SPECIFICATIONS FOR POLY (VINYL CHLORIDE) SHEET ROOFING" AND BE CLASSIFIED AS A TYPE IV, INTERNALLY REINFORCED

SECTION 8 HOLLOW METAL DOORS AND FRAMES

INSTALL HOLLOW METAL DOORS AND FRAMES.

- CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO

AND GIVEN PRIME COAT.

A. DOORS - INSULATED TYPE L FULL FLUSH, MANUFACTURED BY AMWELD MANUFACTURING COMPANY, 18 GA. 1-3/4" THICK PER CS242 MIN, REINFORCE FOR HARDWARE-BOTH FACES FOR CLOSER, SOUND DEADEN

B. FRAMES - 16 GA COLD ROLLED, 2" FACES, CS242 MIN. 3 ANCHORS

PER JAMB + ADJUSTABLE FLOOR ANCHOR, EACH JAMB REINFORCE

FOR HARDWARE. PROVIDE STRIKE BOX, PROVIDE SOUND DEADENING:

1/8" UNDERCOATING OR INSULATING FILL. ALL WORK FABRICATED IN SHOP TO REQUIRED PROFILES BY FORMING AND WELDING, WITH ARISES AND EDGES STRAIGHT, SHARP FIT FABRICATED ACCURATELY WITH SQUARE CORNERS, HAIRLINE JOINTS AND SURFACES FREE FROM WARP. WAVE, BUCKLE OR OTHER DEFECTS AFTER FABRICATION,

(EXTERIOR PORTLAND

SECTION 9A STUCCO CEMENT PLASTER) LATHING AND PLASTERING MATERIALS AND ACCESSORIES SHALL BE MARKED BY THE MANUFACTURER'S DESIGNATION TO INDICATE COMPLIANCE WITH THE APPROPRIATE STANDARDS REFERENCED IN THIS SECTION AND STORED IN SUCH A MANNER TO PROTECT THEM FROM THE WEATHER, PER C.B.C 2507.1.

LATHING AND PLASTERING MATERIALS SHALL CONFORM TO THE STANDARDS LISTED IN C.B.C. TABLE 2507.2 AND CHAPTER 35, AND, WHERE REQUIRED FOR FIRE PROTECTION, SHALL ALSO CONFORM TO THE PROVISIONS OF

GYPSUM BOARD AND GYPSUM PLASTER CONSTRUCTION SHALL BE OF THE MATERIALS LISTED IN C.B.C. TABLES 2506.2 AND 2507.2. THESE MATERIALS SHALL BE ASSEMBLED AND INSTALLED IN COMPLIANCE WITH THE APPROPRIATE STANDARDS LISTED IN TABLES 2508.1 AND 2511.1, AND CHAPTER 35 (PER

2510.6 WATER-RESISTIVE BARRIERS. WATER-RESISTIVE BARRIERS SHALL BE INSTALLED AS REQUIRED IN SECTION 1404.2, AND WHERE APPLIED OVER WOOD-BASED SHEATHING, SHALL INCLUDE A WATER-RESISTIVE VAPOR-PERMEABLE BARRIER WITH A PERFORMANCE AT LEAST EQUIVALENT TO TWO LAYERS OF GRADE D PAPER.

EXCEPTION: WHERE THE WATER-RESISTIVE BARRIER THAT IS APPLIED OVER WOOD-BASED SHEATHING HAS A WATER RESISTANCE EQUAL TO OR GREATER THAN THAT 60-MINUTE GRADE D PAPER COMPLYING WITH ASTM E 2556, TYPE II AND IS SEPARATED FROM THE STUCCO BY AN INTERVENING, SUBSTANTIALLY NONWATER-ABSORBING LAYER OR DRAINAGE SPACE.

- PLASTER NOTES: PLASTERING WITH CEMENT PLASTER SHALL NOT BE LESS THAN THREE COATS WHEN APPLIED OVER METAL LATH OR WIRE FABRIC LATH AND SHALL NOT BE LESS THAN TWO COATS WHEN APPLIED OVER MASONRY CONCRETE OR GYPSUM BACKING AS SPECIFIED IN SECTION
- A. THE FIRST COAT SHALL BE MIN. 3/8" THICK & APPLIED WITH SUFFICIENT MATERIAL AND PRESSURE TO FILL SOLIDLY ALL OPENINGS IN THE LATH. THE SURFACE SHALL BE SCORED HORIZONTALLY SUFFICIENTLY ROUGH TO PROVIDE ADEQUATE BOND TO RECEIVE THE
- SECOND COAT. 3. THE SECOND COAT SHALL BEBE BROUGHT OUT TO MIN. 3/8"THICKNESS, RODDED AND FLOATED SUFFICIENTLY ROUGH TO PROVIDE ADEQUATE BOND FOR THE FINISH COAT. THE SECOND COAT SHALL HAVE NO VARIATION GREATER TO THAN 1/4 INCH (6.4 mm) IN ANY
- DIRECTION UNDER 5-FOOT STRAIGHT EDGE. THE FINISH COATS SHALL BE MIN. 1/8" THICK & APPLIED OVER BASE COATS THAT HAVE BEEN IN PLACE FOR THE TIME PERIODS SET FORTH IN ASTM C 926. THE THIRD OR FINISH COAT SHALL BE APPLIED WITH SUFFICIENT MATERIAL AND PRESSURE TO BOND TO AND TO COVER THE BROWN COAT AND SHALL BE OF SUFFICIENT THICKNESS TO

PAINTS & COATINGS SECTION 9B

EDWARDS

CONCEAL THE BROWN COAT.

- SCOPE OF WORK. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO PAINT BUILDING. ALL EXPOSED SURFACES OF BUILDING AND RAMPS SHALL BE PAINTED EXCEPT ALUMINUM WINDOW FRAMES, THRESHOLDS, AND ROOFING.
- A. FOR EXTERIOR WOOD: SHERWIN SINCLAIR MOORE WILLIAMS 42-9M 1240 Y24W20 GE2-NXX QD-60-XX 1240-XXX B54WZ102 B. FOR INTERIOR TRIM: SINCLAIR SHERWIN REF.BRAND
- 40XX 1650-XXX A26W11 W450-XX C. FOR METAL KELLY SHERWIN **SINCLAIR** REF.BRAND EDWARDS MOORE WILLIAMS 1710 B50NZ6 GE2-NXX 1700-XXX B54WZ102 10-XX

D. INTERIOR PAINT & COATINGS SHALL COMPLY WITH TITLE 24, PART 11

"CAL-GREEN" SECTION 5.504.4.3, AND V.O.C. LIMITS PER TABLE

MOORE

WILLIAMS

- ALL EXPOSED SURFACES SHALL BE PAINTED EXCEPT ALUMINUM WINDOW FRAMES, THRESHOLDS AND METAL ROOFING. MATERIAL SHALL BE OF THE
- GRADE SPECIFIED OR EQUAL. A. EXTERIOR WOOD SIDING, TRIM AND SKIRTING - FLAT OR SEMI-GLOSS LATEX. APPLY ONE COAT OF PRIME AND AT LEAST ONE FINISH COAT. PRIME COAT SHALL BE BRUSHED ON OR SPRAYED AND BACK BRUSHED INTO ALL GROOVES IN THE SIDING. IF NECESSARY, IN THE OPINION OF THE INSPECTOR, AN EXTRA COAT SHALL BE APPLIED TO ALL GROOVES SO THAT THE FINISH COAT WILL HAVE A UNIFORM APPEARANCE. ALLOW PRIME COAT TO DRY ACCORDING TO MANUFACTURER'S RECOMMENDATION. PRIME AND FINISH COATS SHALL
- B. INTERIOR TRIM TRIM NOT PRE-COATED SHALL BE PAINTED WITH TWO COATS OF SEMI-GLOSS LATEX OVER PRIMER.

BE COMPATIBLE AND MANUFACTURED BY THE SAME COMPANY.

- INTERIOR HARDWOOD CABINETS TWO COATS LOW LUSTER POLYURETHANE FINISH. APPLY FIRST COAT THINNED WITH ONE QUART MINERAL SPIRITS PER GALLON. APPLY SECOND COAT AS RECOMMENDED BY MANUFACTURER.
- D. METAL ALL METAL SURFACES SHALL BE PAINTED WITH TWO COATS OF ALKYD FINISH COAT OVER ZINC CHROMATE OR EQUAL RUST INHIBITING PRIMER.
- E. RAMP ONE COAT OF FERROX NON-SLIP (0.8 MIN. C.O.F.) SURFACING AS MANUFACTURED BY AMERICAN ABRASIVE METALS OR COMPARABLE. ALL PAINTS OF THE TYPE INDICATED SHALL BE LISTED ON THE STATE OF CALIFORNIA QUALIFIED PRODUCTS LIST, OR EQUAL.

PRODUCT TO ASSIST IN SELECTION.

F. SUBMIT ONE SET OF COLOR SAMPLES TO THE RDPRC FOR EACH

4. CARPET SYSTEMS

SECTION 9C INTERIOR AIR QUALITY CONTROL THE INTERIOR ENVIRONMENT SHALL BE ASSEMBLED WITH PRODUCTS THAT CONTRIBUTE TO A HEALTHY INDOOR AIR QUALITY (IAQ). THE FOLLOWING SHALL COMPLY TITLE 24, PART 11 ("CAL-GREEN"):

SECTION 5.504.4.4

- 1. ADHESIVES, SEALANTS, CAULKS SECTION 5.504.4.1 SECTION 5.504.4.3 2. PAINTS, COATINGS SECTION 5.504.4.3.1 AEROSOL PAINTS & COATINGS
- A. CARPET SHALL MEET CRI'S "GREEN LABEL PLUS" PROGRAM, NSF/ANSI '140 GOLD' LEVEL, OR OTHER APPROVED TESTING PER 5.504.4.4. CARPET CUSHION OR PAD SECTION 5.504.4.4.1
- A. CUSHION/PAD SHALL MEET THE CRI'S "GREEN LABEL" PROGRAM. S. CARPET ADHESIVE SECTION 5.504.4.4.2 A. ADHESIVES SHALL MEET THE REQUIREMENTS OF TABLE 5.504.4.1. COMPOSITE WOOD PRODUCTS SECTION 5.504.4.5
- AS SPECIFIED IN ARB'S "AIR TOXICS CONTROL MEASURE" (17 CCR 93120), OR NON-EXEMPT MATERIALS PER TABLE 5.504.4.5. RESILIENT FLOORING SYSTEMS SECTION 5.504.4.6
- RESILIENT FLOORING SHALL BE CERTIFIED UNDER THE "FLOORSCORE" DOORS AND FRAMES CLEANED THOROUGHLY, ALL WELDS GROUND SMOOTH PROGRAM BY RFCI, COMPLY WITH CA-CHPS, OR OTHER APPROVED

9. HVAC FILTER (MERV RATING OF 8+) SECTION 5.504.5.3.1

A. SEE SHEET M1.7 FOR HVAC FILTER REQUIREMENTS SECTION 13 SITE ASSEMBLY

- CONTRACTOR SHALL PROVIDE ALL LABOR MATERIALS AND SERVICES TO PREPARE THE BUILDING ELEMENTS. TRANSPORT THEM FROM THE PLANT TO THE SITE AND TO COMPLETE THE ASSEMBLY AT THE SITE. THE CONDITION OF THE SITE, SUCH AS DRAINAGE AND SOIL BEARING CAPACITY, SHALL BE THE RESPONSIBILITY OF THE SCHOOL DISTRICT. UNLESS SPECIFICALLY CALLED FOR IN THE CONTRACT, STEPS, RAMPS, OR HANDRAILS SHALL BE
- THE RESPONSIBILITY OF THE CONTRACTOR.
- ASSEMBLY OF ELEMENTS A. IN A LOCATION ON THE SITE AS DETERMINED BY THE SCHOOL DISTRICT, (APPROVED BY DSA) THE CONTRACTOR SHALL PLACE WOOD LEVELING STRIPS OR OTHER SUITABLE SUPPORTS AS DETAILED ON THE
- THE ELEMENTS SHALL BE BROUGHT TO THE SITE ON WHEEL ASSEMBL' AND TRANSFERRED TO THE PREPARED SITE. GREAT CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE ELEMENTS BY RACKING OR BUMPING
- CONNECTION OF THE ELEMENTS TOGETHER SHALL BE DONE ACCORDING O INSTRUCTION ON THE DRAWINGS. FLASHINGS, TRIM AND OTHER LOOSE ITEMS SHALL BE INSTALLED PER DETAILS ON THE DRAWINGS.

SECTION 23 AIR CONDITIONING

- SCOPE OF WORK (SEE SHEET M1.7 FOR HVAC SPEC. AND NOTES) CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL THE AIR CONDITIONING SYSTEM AS SHOWN ON THE DRAWINGS AND SPECIFICATIONS, INCLUDING A/C UNITS AND ACCESSORIES, REMOTE HERMOSTAT. GRILLS AND POWER WIRING COMPLETE TO LOAD CENTER. CONTRACTOR SHALL INSTRUCT OWNER'S OPERATORS ON OPERATION AND MAINTENANCE OF A/C SYSTEM.
- SEE NOTE ON FLOOR PLAN FOR SIZE AND TYPE.
- UNITS SHALL BE INSTALLED COMPLETE AND OPERATING WITH ALL ACCESSORIES IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

SECTION 26 ELECTRICAL

SCOPE OF WORK

- CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES FOR ELECTRICAL INSTALLATION COMPLETE WITH ASSOCIATED EQUIPMENT AND FIXTURES, IN OPERATING CONDITION READY FOR USE. THE WORK INCLUDES: LIGHT AND POWER SYSTEMS, LIGHTING FIXTURES COMPLETE WITH LAMPS, CONNECTIONS AND DISCONNECTS TO A/C EQUIPMENT, EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVACS).
- . PROVIDE CONDUIT WITH PULL STRINGS AND JUNCTION BOXES FOR AUTOMATIC DETECTION FIRE ALARM SYSTEM AND NOTIFICATION PER
- ALL NEW COMPLYING WITH REQUIREMENTS OF CALIFORNIA ELECTRIC CODE
- AND NATIONAL FIRE PROTECTION ASSOCIATION. A. ELECTRIC METALLIC TUBING - COUPLING AND FLEX CONDUIT GALVANIZED OR SHERARDIZED. EXTERIOR FLEX-GALV. STEEL WITH FACTORY APPLIED P.V.C. JACKET.
- B. PANEL BOARDS FLUSH MOUNTED.
- C. CONDUCTORS COPPER, INSULATED FOR 600 VOLTS, TYPE THHN FOR SIZES #12 TO #6, TYPE THW FOR LARGER SIZES. MINIMUM SIZE-#14.
- D. RECEPTACLES AS NOTED. +18" A.F.F. MIN. TO BOTTOM OF BOX E. CLOCK RECEPTACLE - AS NOTED.
- G. LIGHTING FIXTURES AS NOTED ON THE DRAWINGS. MATERIALS AND EQUIPMENT INSTALLED IN A SECURE. NEAT. WORKMANLIKE

MANNER IN ACCORDANCE WITH CODE REQUIREMENTS. PANEL BOARD CARDS

SHALL BE FILLED OUT. CONDUIT AND CABLE INSTALLED IN WALL AND

CEILING SPACES. WORK PIERCING WATERPROOFED AREAS FLASHED AND

SEALED TO A WATERTIGHT CONDITION. BUILDING CONDUIT/WIRING FROM

F. SWITCHES - AS NOTED. +48" A.F.F. MAX. TO TOP OF BOX

FACE OF BUILDING TO SITE TERMINATION BY SITE CONTRACTOR (N.I.C.). (FLEXIBLE CONDUIT S-BEND SEALTITE).

FUNCTIONS:

INSPECTION INSPECTION OF PREFABRICATED BUILDINGS IS DIVIDED INTO TWO SEPARATE

IN-PLANT INSPECTION. ON-SITE INSPECTION.

(FORM DSA 152-IPI).

COPY IN EACH BUILDING.

THE CONTRACTOR SHALL ALLOW UP TO SEVEN (7) DAYS FROM THE DATE OF PLAN APPROVAL TO OBTAIN AN IN-PLANT INSPECTOR APPROVED BY D.S.A.

IN-PLANT INSPECTION AND MATERIAL TESTING SHALL BE ACCOMPLISHED UNDER THE SUPERVISION OF THE DISTRICT ARCHITECT. THE CONTRACTOR SHALL NOTIFY THE DISTRICT ARCHITECT, DSA, AND THE DESIGNATED INSPECTOR/INSPECTION AGENCY AT LEAST 48 HOURS PRIOR TO COMMENCING WORK. THE MANUFACTURER SHALL PROVIDE THE INSPECTOR WITH FULL ACCESS TO ALL PLANT OPERATIONS INVOLVING WORK UNDER THIS CONTRACT AND SHALL ADVISE THE INSPECTOR IN ADVANCE OF THE TIME AND PLACE OF OPERATIONS THAT THE INSPECTOR WANTS TO OBSERVE TAKE PLACE. BEFORE THE BUILDING(S) ARE REMOVED FROM THE PLANT FOR DELIVERY TO THE STORAGE FACILITY, OR FROM THE STORAGE FACILITY TO THE SITE, THE INSPECTOR SHALL DETERMINE THAT THEY ARE ACCEPTABLE AND ISSUE A

A COPY OF THE INSPECTOR'S VERIFIED REPORT SHALL ACCOMPANY EACH BUILDING TO STORAGE OR TO THE SITE. THE INSPECTOR SHALL PUT ONE

WRITTEN RELEASE WHICH SHALL BE IN THE FORM OF A VERIFIED REPORT



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SITE SPECIFIC PROJECT NAME

MANUFACTURER PROFESSIONAL OF RECORD ON PC

GENERAL NOTES

SPECIFICATIONS



DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION

UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC CON FLS HASSES

DATE AHG - 2 6/10

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DIV. OF THE STATE ARCHITECT PC 02-115726 APRISTA SSTON DATE 10-11-2018 PRE-CHECK (PC) DOCUMENT CODE 2016 CBC

A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED DRAWN BY: AS NOTED

SHEET NUMBER