ADMINISTRATION OF THE CONTRACT WILL BE BY THE OWNER

1.02 CONTRACT DOCUMENT AND FIELD CONDITION REVIEW: THE GENERAL CONTRACTOR SHALL COMPARE THE CONTRACT DOCUMENTS WITH EACH OTHER CON TRACTOR STRACT, COMPARE THE ATTAIN TO THE AT THE THE THE TO THE ATAIN THE FIELD CONDITIONS, AND REPORT ANY INCONSISTENT WIFE, ERRORS, OR OMISSIONS TO THE ACHITECT BEFORS BEGINNING THE WORK, VERTY DISCREPANCIES BEGINNING THE WORK, VERTY DISCREPANCIES BEGINNING THE WORK. WHERE DETAILED INFORMATIO IS LACENARICES REQUEST RESIDENCE DESCRIPTIONS FROM THE ACRITECT.

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.

BNTALL AN ITEM, COMPLETE AND READY FOR INTENDED USE.

SUBMITTIALS, THE CONTRACTOR SHALL REVIEW EACH SUBMITTAL FOR
CONFORMANCE WITH THE CONTRACT DOCUMENTS AND COORDINATION WITH THE
WORK, AND APPLY THE CONTRACT ONE SIGNED REVIEW STAMP TO THE SUBMITTAL
WITHOUT THE CONTRACTOR'S REVIEW STAMP WILL BE RETURNED WITHOUT
REVIEW. TRANSMIT ALL SUBMITTALS TO THE ARCHITECT, REVIES AND RESUBMIT
SUBMITTALS AS REQUIRED. SCHEDULE SUBMITTALS TO AVOID DELAY IN THE
PROCRESS OF THE WORK, ALLOWING IN WORKING DAYS FROM ARCHITECTS.
RESUBMITTAL REVIEWS. SUBMIT RELATED ITEMS AS A SINGLE PACKAGE.

PRODUCT DATA SUBMIT DEN AMERICA TO CLERK! IN NOICE APPLICABLE.

PRODUCT DATA: SUBMIT PDFs MARKED TO CLEARLY INDICATE APPLICABLE PRODUCTS, MODELS, OPTIONS, AND ANY DEVIATIONS FROM THE CONTRACT

ASAMPLES: SUBMIT 2 SAMPLES PLUS THE NUMBER REQUIRED BY THE CONTRACTOR, UNLESS OTHER WISE INDICATED. SUBMIT ADDITIONAL SAMPLES AS NECESSARY TO INDICATE THE RANGE OF COLOR, FINISH AND TEXTURE TO BE PROVIDED.

1.05 CUTING AND PATCHING: CONTRACTOR IS RESPONSIBLE FOR CUTTING, HITING, AND PATCHING REQUIRED TO COMPLETE THE WORK OR TO MAKE ITS PARTS FIT TOGGTHER PROPREL TO BOYN COLT AND ACT HIS TRUCTERAL ELEMENTS IN ACTION OF THE PROPERTY OF THE PRO

DESCRIPTIVE SPECIFICATION: WHERE EXACT CHARACTERISTICS ARE INDICATED, PROVIDE A PRODUCT THAT COMPLIES.

DELIVER, STORE, AND HANDLE PRODUCTS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS INSTALL PRODUCTS IN ACCORDANCE.

1.07 QUALITY CONTROL: THE OWNER WILL PROVIDE AN INDEPENDENT AGENCY TO FERFORM TESTING AND INSPECTIONS INDICATED, OR REQUIRED BY THE AUTHORITIES BALVING RISSISSICTION. THE CONTRACTOR IS RESPONDIEL FOR THE PROPERTY OF THE CONTRACTOR IS RESPONDIEL. FOR THE FERFORMED INDICATE NON-COMPLIANCE WITH REQUIREMENTS. COOPERATE WITH TISTING AND INSPECTION AGENCIES, INCLUDING SCHEIDUING TISTS AND INSPECTION, PROVIDING ACCESS TO THE WORK, FURNISHING INCIDENTIAL LABOR, AND FROVUDING SECURITY AND PROTECTION OF SAMPLES, PROTECT CONSTRUCTION EXPOSED BY CR. FOR TISTING AND INSPECTION, AND REPAIR CONSTRUCTION EXPOSED BY CR. FOR TISTING AND INSPECTION, AND REPAIR CONSTRUCTION DEPOSED BY CR. FOR TISTING AND INSPECTION.

2 SITEWORK

2.01 EARTHWORK

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

TERMITE TREATMENT: INGAGE A LICENSEP PROFESSIONAL FEST CONTROL OFFERATOR TO APPLY A SOLI TREATMENT TERMITICED BEARING A FEDERAL REGISTRATION NUMBER OF THE FEA AND REGISTERED WITH THE LOCAL AUTHORITIES HAVEN GUILBLOST. CONTROL OF THE MANUFACTURERS INSTRUCTIONS. TREAT LINDER ALL BUILDING SLABS, ALONG BOIT SIDES OF POUNDATION WALLS, AT ALL PERETATIONS, AND IN ALL HOLLOW DISTRIBUTIONS OF THE MANUFACTURERS INSTRUCTIONS. TREAT LINDER ALL BUILDING SLABS, ALONG BOIT SIDES OF POUNDATION WALLS, AT ALL PERETATIONS, AND IN ALL HOLLOW DISTRIBUTION OF THE MANUFACTURE OF SUBSCIPINT CONSTRUCTION OR LANDSCAPING PROVIDE A FIVE YEAR WRITTEN WARRANTY, AGENTS OF THE PROVIDER OF THE

3 CONCRETE

3.01 CAST-IN-PLACE CONCRETE:

GENERAL: SEE STRUCTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS TH APPLY TO THIS SECTION.

SUBMITTALS: SUBMIT PRODUCT DATA FOR REVIEW.

TOLERANCES: PLACE CONCRETE AT INDICATED LOCATIO TRUE TO LINE, PLUMB, AND LEVEL (1/8" IN 10', 1/4" IN TOT.

COS - SET EURING COMPOUND. ASTM C309 TYPE 1-D, DISSIPATING
HER BASED LIQUID MEMBRANE-FORMING CONCRETE CURING COMPOUNI
WITH FUGITIVE DYE: "119-CLEAR" BY W. M. BAGOWS, INC., OR APPROVED
SUBSTITUTE. PREPARE SURFACES AND SPRAY APPLY TO NEW CONCRETE IN
ACCORDANCE WITH THE MANUEACTURERS INSTRUCTIONS.

ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS.

INTERIOR CONCEPTE SLAB CONTROL AND CONSTRUCTION JOINT FILLER.

TWO-COMPONENT, SHAM-BIGID FROM Y JOINT FILLER, 1994; SOLIDS, MIDIMUM 90

SHORE A HARMINSS ALSHID 2426, MINIMUM LAJO 91 TENERS, IERROHTI (ASTM

D683), MINIMUM 45% ELONGATION (ASTM D683), CUSTOM COLOR, "MM 469" BY

METZGERMCGUIRE, OR APPROVED SUBSTITUTE, ALLOW CONCERTE SLABS TO

CUER ANY LIVEL BEFORE INSTALLATION SPEARS SUBSTRATS AND INSTALL

CONCERTE SLAB CONTROL AND CONSTRUCTION JOINTS, PRIME SUBSTRATES AS

CONCERTES SLAB CONTROL AND CONSTRUCTION JOINTS, PRIME SUBSTRATES AS

RECOMMENDED, INSTALL FULL DEFITH AT CONTROL JOINTS AND MINIMUM 2°

DEPTH AT CONSTRUCTION JOINTS, AND TEMP JUST HUSH HUSH CONCRETE SLAB

SUBFACE.

4 MASONRY

MASONRY

GENERAL: SEE STRUCTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS THAT APPLY TO THIS SECTION. COMPLY WITH RECOMMENDATIONS OF BIA AND NOMA SUBMITTALS: SUBMIT PRODUCT DATA FOR REVIEW.

PROBLET CONDITIONS. DO NOT INSTALL WHEN THEREFIELDES ARE BELOW 40 DEGREES FOR DO NOT SET THE PROBLET OF THE PRO

WATERFROUGH SHEETING AT END OF BACH DAY.

CONCRETE MASONY UNITS (CMU), ASTAI CO9, HOLLOW LOAD BEARING BLOCK
UNLESS OTHERWISE INDICATED, NOMINAL FACE DIMENSIONS OF 8° HIGHS 16°
LONG (7-5%+15-58° -ACTUAL). I THEICKNESS INDICATED, PROVIDE SPECIAL SHAPES
WHERE REQUIRED FOR LINTELS, BOND BEAMS, CONNERS, JAMBS, SASH, CONTROL
JONES, AND OTHER SPECIAL COMPITIONS.

SMOOTH FACE CMU: MANUFACTURER'S STANDARD TEXTURE AND COLOR.

GROUND FACE CMU: GROUND FACE TEXTURE ON SIDES EXPOSED TO VIEW, INTEGRAL WATER REPELLENT, MANUFACTURER AND COLOR AS SCHEDULED INTEGRAL WATER REPELLENT, MANUFACTURER AND COLOR AS SCHEDULED.
SLOPED SILL CMU: 100% SOLID BLOCK, INTEGRAL WATER REPELLENT, SPECIA
SHAPE AS INDICATED, GROUND FACE TEXTURE ON SIDES EXPOSED TO VIEW,
MANUFACTURER AND COLOR AS SCHEDULED.

MANUFACTURER AND COLOR AS SCHEDULED.

MORTAR FOR ABOVE GRADE NON-LOAD BEARING MASONRY VENEERS: ASTM C270,
TYPE N. COLOR AS SCHEDULED.

MASORY CEMENT ASTM C91.
AMAZORY COLOR COL

CALCIUM CHLORDE: NOT FERMITTED.

ROBLEDTAIL ONTH EREFORCEMENT: ASTM A951, LADDER TYPE WELDED WIRE INNITE ABRICATED WITH DEFORMED CONTINUOUS 9 CHAOLS SIDE RODS AND PLAIN COVERAGE OF \$5.00 ENTERIOR FACE, AND LEY ON NITERIOR FACE, BOTH DY OR GALVANIZED (ASTM A153, CLASS B-2), PROVIDE PREFABBLICATED TI-SECTIONS AT CORNESS, AND TI-SECTIONS AT INTERSECTIONS INSTALL LODIN EREPORCEMENT AT I 60 C. VERITICALLY UNLESS OTHERWISE INDICATE, WITH ENDS LAPPED MINIMAN ID. DO NOT ESTED ONLY RESPONSE THE HONO CAPPED MINIMAN IN A DON'T RESPONSE AND THE THEORY OF CONTROL LORIS. MASONRY TIES AND ANCHORS: HOT-DIP GALVANIZED (ASTM A153). UNLESS OTHERWISE NOTED, ANCHOR SIDES AND TOPS OF MASONRY WALL PANELS TO THE STRUCTURE AT MAXIMUM 24° O.C.

VENERE AN HORS 2-PIECE ADJUSTABLE VENERE ANCHORS FABRICATED FROM 5-1/2* LONG 14 GAJUGE ARCHOR PLATE WITH 19/6* DIAMETER WIRE TRIANGULAR TE, HOT DIP GALVANEDE AFTER FABRICATION ASTM ALS CLASS BY 20-9016/S* BY HOHMANN & BARNARD, INC., OR APPROVED SUBSTITUTE, PROVIDE MANUFACTURES RECOMMENDED SCREW FASTENERS FOR METAL STUD, CMU, OR CONCRETE SUBSTRATE AS REQUIRED. SPACE ANCHORS MAXIMUM 24* O.C. HORIZONTAL AND 16* O.C. VERIFICAL, UNLESS OTHERWISE DIGITALD AT OPENING, PLACE ADDITIONAL TIES WITHIN 12* OF THE OPENING AND SPACED MAXIMUM 24* O.C.

SUBSTITUTE.

CONCEALED FLASHING: 40 MIL COMPOSITE MEMBRANE WITH ADHESIVE;

TEXTROPLASH: BY HORIMANN & BARNARD, INC., OR APPROVED SUBSTITUTE.

BUILD 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 WYTHE, TURN UP MINIMIUM S', AND

MECHANICALLY FASTEN TOP EDOE TO SUBSTRATE WITH TERMINATION BAR. LAP

JOINTS IN FLASHING MINIMIM S' AND SEAL.

WEEP HOLES: PROVIDE 14" DIAMETER COTTON CORD WEEP HOLES IN HEAD JOINTS ABOVE FLASHING AT MAXIMUM 24" O.C., EXTENDED FROM 1/2" BEYOND EXTERIOR FACE OF MASONRY TO CAVITY, AND LAID HORIZONTALLY ON TOP OF FLASHING MINIMUM 24".

AYING MASONRY: BUILD WALLS TRUE TO LINE PLUMB AND LEVEL (1/4" IN 10' 1/2" LAYING MASONRY: BUILD WALLS TRUE TO LINE, PLUMB AND LEVEL (14°F IN 19, 17' IN TOTAL) BUILD INTEMS AND PROVIDE OPENINGS AND RECESSES FOR OTHER WORK AS REQUIRED. CUT MASONRY UNITS WITH MOTOR DRIVIN SAWS TO FIT WORK AS REQUIRED. CUT MASONRY UNITS WITH MOTOR DRIVIN SAWS TO FIT SAWS TO THE TOWN OF THE SAWS TO THE SAWS THE SA

5 METALS

GENERAL: SES STRUCTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS THAT APPLY TO THIS SECTION.

SUBMITTALS: SUMMIT SHOP DRAWINGS FOR INDICATED PRODUCTS SEALED BY A PROFESSIONAL. ENGINEER REGISTERED TO PRACTICE IN THE JURISDICTION WHERE THE PROPECT IS LOCATED, SHOWNED, COMPLIANCE WITH THE INDICATED STRUCTURAL REQUIREMENTS WITHOUT EXCEEDING ALLOWABLE WORKING STRESS OF MATERIALS, INCLUDING ANCHORS AND CONNECTIONS.

QUALITY ASSURANCE: FIELD VERIFY DIMENSIONS PRIOR TO FABRICATION, QUALIFY WELDING PROCESSES AND OPERATURE ACCORDANCE WITH AWS DI. JAND DI. J. COMPLY WITH REAL NAAMM AMF 510-92 METAL STAIRS MANUAL AND NAAM AR FALING MANUAL.

METALS:

METALS:
STEEL WIDE FLANGE SHAPES: ASTM A 992.
STEEL CHANNELS, ANGLES, AND PLATES: ASTM A 36
STEEL PIPE: ASTM A 50, GRADE B.
HOLLOW STEEL SECTIONS (1885): ASTM A 50, GRADE B.
STEEL FLOOR FLATE: ASTM A 700. D. PATTERN.
STEEL SHEET, ASTM A 101.
ALDMINIM DIAMOND PLATE: AST THE SHEET, ASTM A 101.
ALDMINIM DIAMOND PLATE: AST THE SHEET, ASSMONSHIME WORK (TR.) ALDMINIM THE HOLLOW STEEL SHEET, ASSMONSHIME WORK (TR.) AND ASSMO

ICATE TO INDICATED SIZES, DIMENSIONS AND

ADS AND PLATFORMS: UNIFORM LOAD OF 100 PSF, AND CONCENTRATED
DO T-900 EB APPLED TO AREA OF 4 SQ IN.
FRAMING: RESULTING LOADS, INCLUDING RALING SYSTEM.
HANDRAIL OR TOP RAIL OF GUARDRAIL: CONCENTRATED LOAD OF 200 LB
APPLED IN ANY DIRECTION, AND UNIFORM LOAD OF 90 PLF APPLED IN

APPLIED IN ANY DIRECTION, AND UNIFORM LOAD OF 30 PLF APPLIED IN ANY DIRECTION.
INTERMEDIATE GUARDRAIL COMPONENTS: HORIZONTAL LOAD OF 50 LB APPLIED TO AN AREA OF 1 SQ FT.
MAXIMUM DEFLECTION: L/240.

FINISH INTERIOR FABRICATIONS WITH SHOP PRIMER, HOT-DIP GALVANIZE EXTERIOR STAIRS AND RAILING FABRICATIONS TO COMPLY WITH A STM A 123 (FR ADE 85

ORAGIE 63.

AND HEADED INTO AND WELDED TO RAILS. SUMBIT SEALED SHEP RAWINGS SHOULDERED AND HEADED INTO AND WELDED TO RAILS. SUMBIT SEALED SHEP DRAWINGS INDICATING COMPLIANCE WITH CONCENTRATED LOAD DE 250 POUNDS AT ANY POINT WITHOUT EXCERDING ALLOWABLE WORKNOS STRESS OF MATERIALS, INCLUDING ANCHORS AND CONNECTIONS. FINISH INTERIOR FABRICATIONS WITH SHEP PRABME.

SHOP PRIMER.

STEEL BOLLARDS: FABRICATE FROM SCHEDULE 40 STEEL JPFE. PROVIDE CUTOUTS FOR FIXTURES AND HOLES FOR WIRNO, EINSH WITH SHOP FRIMER.

FINISH REMOVE SCALE, RIST AND OTHER DELETEROUS MATERIALS FROM FERROLS MEAL IN ACCORDANCE WITH SINE OF 37-90WER TOOL CLEANING.

UNLESS INDICATED TO BE GALVANIZED OF POWDER COATED, SHOP FRIME IN ACCORDANCE WITH SINE OF STOWNER TOOL CLEANING.

IN ACCORDANCE WITH THE MANUFACTURES INSTRUCTIONS TO PROVIDE A PILLED IN ACCORDANCE WITH THE MANUFACTURES INSTRUCTIONS TO PROVIDE A MINIMUM DRY FILM THICKNESS OF 2.5 MILS.

UNLESS OTHER WISE INFORCATED, HOT, DIE GALVANIZE EXPOSED EXTERIOR ITEMS NOT INDICATED TO BE POWDER COATED. AND ITEMS BMBEDOED IN CONCERT. COMPLY WITH A STATAL ALSO FOR PERSONS METAL ALSO FOR PROVIDED A STATAL ALSO FOR PERSONS METAL ALSO FOR PERSONS METAL ALSO AND BARS.

NATAL ALTON ENEXAL IN ONE PILLE COLDRE LEIGH BAND ENDE ACCITE ATEN.

INSTALLATION STALL WORK PER FERROUS ME HAL SHAFES, IT-ALIS AND BRASS.
INSTALLATION STALL WORK TRUE TO-LINE, FLUNDB AND LEVEL, ACCURATELY
FITTED AND FREE OF DISTORTION AND DEFECTS, ANCHOR FABRICATIONS
SECURELY IN 14 LOCAE WHITE COMPATIBLE FASTENERS, STOUGH-UP FARNINO WHI
SAME MATERIAL USED FOR SHOP PAINTING IMMEDIATELY AFTER ERECTION.
REPAIR CALVANIZED OF COORPY WITH ASTIM AND

FOR EXTERIOR APPLICATIONS AND WHERE BUILT INTO EXTERIOR WALLS, USE

6 WOOD

6.01 ROUGH CARPENTRY:

GENERAL: STORE WOOD PRODUCTS OFF GROUND TO PREVENT TWISTING OF WARPING, WITH PROTECTION FROM WEATHER. REPLACE DAMAGED OR DETERIOR ATER MATERIALS

SUBMITTALS: SUBMIT PRODUCT DATA FOR REVIEW. LUMBER - BLOCKING: SOUTHERN YELLOW PINE, SPIB NO. 2, S4S AND GRADESTAMPED, 19% MAXIMUM MOISTURE CONTENT.

PLYWOOD: COMPLY WITH PS-1. PROVIDE APA RATED SHEATHING, EXPOSURE 1, GRADE C-D OR BETTER, THICKNESS AS INDICATED.

ORADIC CO OR BETTER, HICKORDS AS INDICATED SHEAT HIRKO, EXPOSURE 1, ORADIC CO OR BETTER, HICKORDS AS INDICATED AT THE PROPERTY OF RESUME THAT THE PROPERTY OF THE PROPERTY OF

FASTENERS: PROVIDE FASTENERS AS REQUIRED, CORROSION RESISTANT WHERE EXPOSED TO THE EXTERIOR OR IN CONTACT WITH PRESERVATIVE PRESSURE TREATED OF FIRE RETARDANT TREATED WOOD.

INSTALLATION: DISCARD MATERIAL THAT IS TOO SHORT FOR OPTIMUM JOINT ARRANGEMENT, SPLIT, WARPED, BOWED, TWISTED, OR OTHERWISE DEFECTIVE, SET

INSULATING SHEATHING:

GENERAL: PROTECT PRODUCTS FROM EXPOSURE TO WEATHER AND CONTACT WITH WET SURFACES

MINERAL WOOL BOARD INSULATION: ASTM C612 TYPE IVB, THICKNESS INDICATED, MINIMUM R-VALUE OF 4.0 PER INCH AT 7.5 DEG F (ASTM C518), MAXIMUM FLAME SPREAD INDEX OF 5 AND MAXIMUM SMOKE DEVELOPED INDEX OF 0, ASTM BR34, MINIMUM DENSITY OF 11 FCF (ASTM C303), "COMFORTBOARD 110" BY ROCKWOOL, INC., OR APPROVED SUBSTITUTE.

INSTALLATION: INSTALL IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS. ATTACH TO METAL FRAMING WITH MANUFACTURERS RECOMMENDED CORROSION RESISTANT SCREWS AND WASHERS COMLYING WITH ASTM C1002 OR ASTM 0594.

GYPSUM SHEATHING:

GENERAL: PROTECT PRODUCTS FROM EXPOSURE TO WEATHER AND CONTACT WITH WET SURFACES. SUBMITTALS: SUBMIT PRODUCT DATA FOR REVIEW.

GYPSUM SHEATHING: ASTM C117*, WATER-RESISTANT GYPSUM CORE PANELS WITH FIBERGIASS MAT FACTNOSS, MAXIMUM BLAME SPREAD INDEX OF 0 AND MAXIMUM SNOKE DEVELOPED INDEX OF 0 (ASTM BB4). HITENNESS AND TYPE AS ROBICATED, "SECUROCK" BY UNITED STATES GYPSUM COMPANY, "DENSIGLAS GOLD" BY GREGGIA FACIE BUILDING PRODUCTS, OR A PROFES DESERTION."

PROVIDE SHEATHING PRODUCT ACCEPTABLE TO SINGLE-PLY ROOFING MANUFACTURER AT PARAPET SURFACES INDICATED TO RECEIVE SUFFLASHING, "DENSDECK" BY GEORGIA-PACIFIC GYPSUM LLC, OR SUBSTITUTE. INSTALLATION: INSTALL IN ACCORDANCE WIT

ABINET HARK ARE: ANSI/BHMA A156.9.

DOOR AND DRAWER PULLS: STEEL WIRE PULL WITH POLISHED CHROME FINISH,
4° CENTER-TO-CENTER SPACING; ITEM # 116.07.238 BY HAFELE AMERICA CO., OR

FILE DRAWER SLIDES: SIDE MOUNTED FULL EXTENSION HEAVY DUTY BALL BEARING SLIDES: "MODEL 9301E" BY ACCURIDE INTERNATIONAL INC., OR APPROVED SUBSTITUTE.

DRAWER SLIDES: SIDE MOUNTED FULL EXTENSION LIGHT DUTY BALL BEARING SLIDES: "MODEL 3832" BY ACCURIDE INTERNATIONAL INC., OR APPROVED GROMMETS: 2-1/2" DIAMETER METAL GROMMET, BRUSHED NICKEL FINISH; ITEM # 429.94.658 BY HAFELE AMERICA CO., OR APPROVED SUBSTITUTE.

442,7440.6B IAFELE ANEBICA CO., OR ATTROVED SOBTITUTE.
PLASTIC LAMINATE COUNTERTOPS: AWI CUSTOM GRADE, WITH 4" BACKSPLASHES
AND SIDESPLASHES, NEMA GRADE HGS PLASTIC LAMINATE UNLESS OTHERWISE
INDICATED IN COLOR AND FINISH AS SCHEDULED.

REVIALLATION COMPTY WITH AWT SECTION 1990, CUSTOM GRADE, SET UNITS LEVEL, STRAIGHT, AND TRUE, WITH NO DISTORTIONS, SIMM AS REQUIRED WITH CONCEALED SIMM STOLERAND TO SERVING STREET, WITH NO DISTORTIONS, SIRVAND AS REQUIRED WITH CONCEALED SIMM STREET, STRAIGHT, AND TRUE MEMORY STREET, ST

7 THERMAL AND MOISTURE PROTECTION

BENTONITE WATERPROOFING

GENERAL: SUBMIT PRODUCT DATA AND INSTALLATION INSTRUCTIONS FOR REVIEW. BENTONITE WATERPROOFING: SODIUM BENTONITE CLAY BETWEEN TWO LAYERS OF NEEDLE-PRINCHED WOVEN AND NONWOYEN FOLFROYTIENE FABRIC, "CCW MIRACLAY" BY CARRILLS CONTINGS & WATERPROOFING, INC. OR APPROVED SUBSTITUTE. PROVIDE MANUFACTURER'S RECOMMENDED FASTENERS AND ACESSORIES.

ALESSOCIES.

INSTRUCTION: INSTALL IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS. PROTECT PANELS FROM HYDRATING BEFORE BEING COVERED INSTRUCTIONS. PROTECT PANELS FROM HYDRATING BEFORE BEING COVERED COMPACTED BOARD WITH INON MOVENS DIED IT OVERLAFE BORDS. FINISMUM AND STAPES IGNITS. EXTEND MINIMUM 12" UP OR BEYOND PERMETER FORMS. PROVIDE RECOMMENDED TEREATIENT AT ALL PENETRATION.

7.02 INSULATION

GENERAL: PROTECT INSULATION PRODUCTS FROM EXPOSURE TO WEATHER AND CONTACT WITH WET SURFACES.

CONTACT WITH WET SUFFACES.
SUBMITTALS: SUBMIT PRODUCT DATA FOR REVIEW.

BATT INSULATION: ASTM C665, TYPE I, UNFACED GLASS FIBER THERMAL BATT INSULATION, MAXIMUM HEAME SYREAD INDEX OF 25 AND MAXIMUM SMOKE DEVELOPED INDEX OF 96 (ASTM E48).

DEVELOPED INDEX OF 30 (ASIM RES).

INSTRUCTIONS, INSTALL IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS, PROVIDE THICKNESS OF INSULATION INDICATED OR REQUIRED TO ACHIEVE R-VAIULE INDICATED. SET VAPOR REFAIREDER IMMERSAN FOR CONDITIONED SIDE OF CONSTRUCTION. CUT AND FIT TIGHTLY AROUND OBSTRUCTIONS AND FILL VOIDS TO PROVIDE CONTINUOUS FULL DEPTHILAYER OF INSULATION. SEAL ALL PREVERATIONS THROUGH EXTERIOR WALLS AND UTPERMOST CHLIGROFOR WITH SEALANT.

7 THERMAL AND MOISTURE PROTECTION (CONTINUED)

7.03 WATER RESISTIVE BARRIER (WRB)

GENERAL: SUBMIT PRODUCT DATA AND INSTALLATION INSTRUCTIONS FOR REVIEW.

WATER RESISTIVE BARRIER (WRB): NON-PERFORATED, NON-WOVEN, SPUNBONDED POLYOLEFIN, "TYVEK COMMERCIAL WRAP" BY DUPONT, OR APPROVED SUBSTITUTE: PROVIDE MANUFACTURER'S RECOMMENDED FASTENERS AND SEAM

SELF-ADHERED FLASHING (SAF): BUTYL RUBBER ON POLYETHYLENE LAMINATE CARRIER SHEET, 30 MIL MINUMUM TOTAL THICKNESS, COMPLYING WITH AAMA 711-07, CLASS, A LEVEL 3. "STRAGHTH LASH" BY UPLOYN, OR, A PROVED SUBSTITUTE, PROVIDE "FLEXWRAP NF" AT SILLS AND WHERE FLEXIBLE SAF IS REQUIRED.

REQUIRED.

NISTALLATION: INSTALL IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. APPLY OVER EXTESIOR WALL SUBSTRATE TO PROVIDE A COSTINUOUS BANAGE HANG. COVER EXTESIOR WALL SUBSTRATE WITH COSTINUOUS LAYER OF WISB APPLIED TO DIVERT WASTE TO THE EXTESIOR, AND FASTER TO SUBSTRATE WIS HEREARD HORIZONTAL AND PARTICLAL LAYER SHOULD AND ASSESSED AS A CONTROLLAR OF THE ASSESSED AS A POST PROFINED AS A PAIN TO THE CART. INTO WERE TO MAINTAIN DRAINAGE TO EXTERIOR. SEAL ALL JOINTS WITH SEAM TAPE.

GENERAL FROMES
GENERAL FROM STRUCTURAL METAL WALL PANEL SYSTEMS MEETING
(NDICATED REQUIREMENTS AS DETERMINED BY QUALIFIED TESTING AGENCY:
STRUCTURAL PERFORMANCE: WHITEKAND DESIGN WIND LOADS INDICATED,
WITH MAXIMUM DEFLECTION OF 1/20 OF THE SPAN.
THERMAL MOVEMENT: ALLOW FOR THERMAL MOVEMENT AND DEFLECTION
FROM ABBIENT AND INTERNAL TEMPERATURE VARIATIONS.

SUBMITTALS: SUBMITSHOP DRAWNOS INDICATING PANEL LAYOUT AND DETAILS OF EACH CONDITION OF INSTALLATION, INCLUDING EDGE CONDITIONS, JORTS, O'PENNOS, FINE TRATIONS, I-GAISINGS, TIMI, AND FASTENESS AND SEALAN PLACEMENT, INCLUDE PRODUCT DATA AND TEST REPORTS INDICATING COMPLIANCE WITH REQUIREMENT.

TAPERED RIB METAL WALL PANELS MINIMUM 24 GAUGE GALVALUME STEEL, SMOOTH SUBFACE, 3e WIDE COVERAGE 3: 1-1/2* HEIGHT, 7.2* RIS SPACING, WITH GASKETED EXPOSED FASTENING SYSTEM, "2.2 PASHE, E BY MBCL, GA PREPOVED SUBSTITUTE. PROVIDE REVERSED ROLLED PANELS AT HORIZONTAL APPLICATIONS, WITH FASTENESS INSTALLED IN LOW RIBS.

AR INFILIRATION: MAXIMUM 0.000 CFM/SQ FT AT 6.24 LBF/SQ FT STATIC AIR PRESSURE (ASTM E 283).

WATER PENETRATION: NO UNCONTROLLED WATER PENATION AT 13.24
LBF/SQ FT STATIC AIR PRESSURE (ASTM E331).

METAL WALL P

LOW FOR THERMAL MOVEMENT AND DEFLECTION RNAL TEMPERATURE VARIATIONS.

RESISTANCE RATED CONSTRUCTION: ASTM E119 OR UL 263, CLASSIFIED AS A COMPONENT OF THE FIRE RESISTANCE RATED WALL ASSEMBLY RODICATED.

THERMAL BARRIER: FM 4880 CLASS 1, APPROVED FOR USE WITHOUT A THERMAL BARRIER.

THERMAL BARRIER.
POTINITIAL HEAT. NIPA_258, NOT TO EXCEED POTENTIAL HEAT OF FOAM PLASTIC INSULATION IN INTERMEDIATE SCALE MULTI-STORY FIRE TEST. SURFACE BURNING CHEARACTERISTICS: ASTER B84 OR TU. 723, ALL RIGHTUDUAL COMPONENTS INCLUDING INSULATION, ADPENSIVES, AND FACINOS TO HAVE MAXIMUM FLAME SPREAD INDEX OF 25 AND MAXIMUM SMAKE DEVELOPED INDEX OF 450.

INTERMEDIATE SCALE MULTI-STORY FIRE TEST: NFPA 285 (UBC STD 26-9), PASS ACCEPTANCE CRITERIA. IGNITION: NFPA 268, PASS ACCEPTANCE CRITERIA.

AIR INFILTRATION: MAXIMUM 0.01 CFM/SQ FT AT 20 LBF/SQ FT STATIC AIR
PRESSIRE (ASTM F 283) WATER PENETRATION: NO UNCONTROLLED WATER PENETRATION AT 20 LBF/SQ FT STATIC AIR PRESSURE (ASTM E331).

THERMAL PERFORMANCE: POLYISOCYANURATE INSULATION: MAXIMUM k FACTOR OF 0.14 BTU/SF/HR/DEG F AT 75° F MEAN TEMPERATURE (ASTM C518).

SUBMITTALS: SUBMITSHOP BARNINGS INDICATIONS PANEL AYOUT AND DETAILS
OF BACH CONDITION OF INSTALLATION, INCLUDING BAGE CONDITIONS, JOINTS,
OFBINGS, FIRSTATIONS, HASHINGS, TRIM, AND FASTENERS AND SEALANT
PLACEMENT, INCLUDE PRODUCT DATA AND TEST REPORTS INDICATING
COMPILANCE WITH REQUIREMENT.

NOMINANCE WITH REQUIREMENTS.

ROULATED MITH WALL PARKS FOR HORIZONTAL INSTALLATION: STRUCTURAL MITHAL DANIELS FABRICATED FROM ALUMBUM ZINC ALLOY COATED STRUCTURAL STREEL SHEET FACES (ASTM A 592, MINIMUM GRAED S) WITH MINIMUM 20 PCF FOAMED IN-PLACE POLYURE HIANE CORE BY THERMALLY SEPARATED PROFILE WITH TOXICE AND GROOVE FAVEL EDGES. ATTACHED TO SUPPORTS WITH CONCEALED FASTENERS: "CF ARCHITECTURAL HORIZONTAL" BY MBCI, OR APPROVED SIDSTITUTE.

EXTERIOR FACE SHEET: MINIMUM 22 GAUGE WITH STUCCO EMBOSSED SURFACE, 25 YEAR WARRANTY 2-COAT 70% FLUOROPOLYMER FINISH SYSTEM IN COLOR INDICATED. INTERIOR FACE SHEET: MINIMUM 26 GAUGE WITH STUCCO EMBOSSED SURFACE, 2 COAT MODIFIED SILICONE-POLYESTER FINISH SYSTEM IN "IGLOO WHITE". PANEL SIZE: 24" WIDTH x 2-1/2" THICKNESS, WITH 1/2" REVEALS.

PANEL BUTT JOINTS: GASKETED. PANEL OUTSIDE CORNERS: FACTORY FORMED CORNERS WITH GASKETED BUTT

ACCESSORIES: PROVIDE MANUFACTURER'S RECOMMENDED CORROSION RESISTANT FASTENERS, CLOSURES, SEALANTS, AND ACCESSORIES, PROVIDE FLASHING AND TRIM TO MATCH METAL PANEL EXTERIOR FACE MATERIAL, GAUGE AND FINISH. INSTALLATION: INSTALL IN ACCORDANCE WITH THE MANUFACTURER'S INSTRICTIONS. PROVIDE SUPPLEMENTAL FRAMING SUPPORTS IN ACCORD

7 THERMAL AND MOISTURE PROTECTION (CONTINUED)

TPO (THERMOPLASTIC POLYOLEFIN) MEMBRANE ROOFING SYSTEM GENERAL: PROVIDE ROOFING SYSTEM COMPLYING WITH THE FOLLOWING PERFORMANCE CRITERIA:

UL 790 CLASS A.

FM 1-60, WITH CORNER AND PERIMETER ENHANCEMENTS TO MEET FM 1-29 REQUIREMENTS AND DESIGN WIND LOADS INDICATED.

INITIAL SOLAR REFLECTANCE GREATER ITHAN 0.78 AND 3 YEAR AGED SOLAR REFLECTANCE GREATER ITHAN 0.69 (ASTM C1549); INITIAL EMITTANCE GREATER ITHAN 0.89 AND 3 YEAR AGED EMITTANCE GREATER ITHAN 0.85 (ASTM C1371).

SUBMITTALS: SUBMIT PRODUCT DATA FOR REVIEW

WARRANTY: PROVIDE MANUFACTURERS 15 YEAR TOTAL SYSTEM WARRANTY, WITH MAXIMUM WIND SPEED UP TO 90 MPH.

WITH MAXIMUM WIND SPEED UP TO 90 MPH.

TPO MEMBRANE: ASTIM D6878, WHITE, 60 MIL, SCRIM, REINFORCED TPO MEMBRANE
FOR ADHERED INSTALLATION, SURE-WELD PBY CARLISES SYNTEED
INCORPORATED, OR APPROVED SUBSTITUTE, PROVIDE RELATED MATERIALS BY
MEMBRANE MANDIACTURER, INCLUDING ADHERVISC, CLEANERS, CEMENTS,
PRIMERS, SEAM TAPES, SEALANTS, FLASHINGS, FASTENERS, PLATES, AND
WALKWAYS.

WALKWAYS.

ROOF RNILATION: POLYISOCY ANURATE BOARD INSULATION,
CLASS 2, GRADE 2 (20 PSI) OR GRADE 3 (25 PSI), UL 790/ASTM E10
ASSEMBLY; SECURSHELD POLYISO" BY CARLISE STYPICE II B
APPROVED SUBSTITUTE RROVIDE RECOMMENDED MECHANIC
ATTACH INSULATION TO SUBSTRATE FABRICATE TA
THICE THE SLOPE OF THE MAIN ROOF.

PENETRATIONS.
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GIVEN ALL CO. A WITH RESOMM MOATION OF TASHING AND SHEED ACTAL CO. A WITH RESOMM MOATION OF TASHING AND A TO SHEED ACTAL CO. AND STATE ALL ATTON, PARICAL THE AND A CHITECTURAL SHEET MET CHINAL AND A CHITECTURAL SHEET MET

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ROOF FLASHING: FABRICATE FROM MINIMUM 24 GUAGE GALVALUME STEEL
(ASTM A792, GRADE 50, COATING CLASS AZ50), WITH 2-COAT FLUGROPOLYMER
FINISH SYSTEM IN COLOR INIDICATED. LAP FLASHING JOINTS MINIMUM 4", BEI
WITH BUTYL SEALANT, AND FASTEN WITH STAINLESS STEEL FASTENERS. GUITERS AND DOWNSPOUTS: FABRICATE FROM MINIMUM 24 GAUGE
GALVALUME STEEL (ASTM A792, GRADE 50, COATING CLASS A250), WITH
2-COAT ELIOROPOLYMER FINSH SYSTEM N COLOR NDICATED. ATTACH
DOWNSPOUTS TO GUITERS AND STRAPS WITH STAINLESS STEEL RIVETS. EXPOSED METAL TRIM: FABRICATE FROM MINIMUM 26 GUAGE GALVALUME STEEL (ASTM 4792, GRADE 50, COATING CLASS AZ50), WITH 2-COAT FLUOROPOLYMER FINISH SYSTEM IN COLOR RIDICATED.

SELF-ADHERED FLASHING (SAF): BUTYL RUBBER ON POLYETHYLENE LAMINATE
CARRIER SHEET COMPLYING WITH AAMA 711-07 TYPE A LEVEL 3

METAL ROOF EDGE SPECIALTIES

GENERAL: PROVIDE ROOF EDGE SYSTEMS COMPLYING WITH THE FOLLOWING PERFORMANCE CRITERIA: METAL FASCIA SYSTEMS: ANSI/SPRI/FM 4435 STANDARD ES-1 TESTS RE-1 AND

SUBMITTALS: SUBMIT PRODUCT DATA FOR REVIEW. PREFINISHED METAL GRAVEL STOP FASCIA SYSTEM: FABRICATE FROM PREFINISHED 24 GAUGE GALVANIZED STEEL, DIMENSIONS AS INDICATED, WITH PREMINSHED 24 GAUGG GALV ANIZED STEEL, DIMENSIONS AS INDICATED, WITH CONCEALED 4" SPLICE PLATE A ID UTI FORTS AND CONTINUOUS 3 EQUID GAUGG GALVANIZED STEEL ANCIDIS CLEAT, "GRAVEL STOP FASCIA" BY OMO GEOGRSYSTEMS, OR APPROVED SUBSTITUTE, PROVIDE MATCHING CORNERS, END CAPS, AND TERMINATIONS WITH MITTERED CORNERS AND FUILLY WELDED SLAMS AND STANLESS STEEL FASTENIES.

PROVIDE TPO CLAD METAL AT TPO ROOFING.

METAL EDGE SUPPORT SYSTEM: FABRICATE FROM MINIMUM 20 GAUGE GALVANIZED STEEL, DIMENSIONS AS NDICATED, WITH METAL DECK FINISH AND CLOSURE STRIPS, END CAPS, SULINES, AND FASTENERS; "EDGEBOX-RI" BY OMG EDGESYSTEMS, OR APPROVED SUBSTITUTE.

FINISH: 70% FLUOROPOLYMER FINISH COMPLYING WITH AAMA 2665, MINIMUM 1.2 MIL DRY FILM THICKNESS, COLOR AS SCREDULED.
NSTRALLATION, INSTALL IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS TO FROVIDE A WATERTIGHT SYSTEM THAT WILL ACCOMMODATE THERMAL MOVEMENT.

PREFABRICATED ROOF SPECIALTIES

GENERAL: SUBMIT PRODUCT DATA FOR REVIEW.

ROOF HATCHES: SINGLE LEAF ROOF HATCH FABRICATED FROM 14 GAUGE GALVANIZED STEEL, 12° CURB HEIGHT, INSULATED AND WEATHERSTRIPPED, SPRING ASSITED OPENING MICRIANISM WITH AUTOMATIC LOCKING IN THE OPEN FOSITION, FINISH WITH RED OXIDE ALKYD PRIMER.

36"x30" OPENING: "BG3630 PERSONNEL II ROOF HATCH" BY BABCOCK-DAVIS, OR APPROVED SUBSTITUTE. PROVIDE "BSP" LADDER SAFETY POST FOR INSTALLATION ON FIXED LADDER BELOW ROOF HATCH.

NSTALLATION: INSTALL IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS, SET UNITS LEVEL, PLUMB, AND ALIGNED WITH ADJACENT

GENERAL: SUBMIT PRODUCT DATA FOR REVIEW. SEALANTS: PROVIDE JOINT SEALANTS, JOINT FILLERS, AND OTHER RELATED MATERIALS THAT ARE COMPATIBLE WITH ONE ANOTHER AND WITH JOINT SUBSTRATES UNDER SERVICE AND APPLICATION CONDITIONS, AS RECOMMENDED BY THE MANUFACTURER. INSTALL SEALANTS IN COMPLIANCE WITH THE MANUFACTURER INSTALL SEALANTS IN COMPLIANCE WITH THE

EXTERIOR EL ASTOMBRIC SEALANT: AT EXTERIOR FOINTS PROVIDE

RUTERIOR EL ASTOMBRIC SEALANT: AT EXTERIOR FOINTS PROVIDE

MULTI-COMPONENT CERBRICALLY-CURRON, NON-SAG POLY UDE HAM, S. C. T. AND

C. T. YAR STORMER SEALANT: AT EXTERIOR FOR THE SEALANT

CO. TYNYATROL IN PHY PECORA CORPORATION, OR A REPOYDE SITEMAT.

CUSTOM COLORS TO BE SELECTED. PRIME SUBSTRATES AS RECOMMENDED AND

INSTALL OVER PLASTIC FOAM BACKER ROO OR BOOM BREAKER FARD. INSTALL OVER FLASTIC TOWAR BALAER ROUT OR BOYD ON BOYD REARER LAFE.

INTERIOR GENERAL SEALANT. A TINTERIOR SOURT NOT SUBJECT TO MOVEMENT, PROVIDE NON SAG, MILDEW RESISTANT, PARTIABLE, ACRYLIC LAFEX SEALANT COMPLYING WITH ASTM CS8⁴, AC-20 BY PECOLOGY CORPORATION, OR APPROVED SUBSTITUTE. INSTALL OVER CLOSED-CELL POLYURETHAND FOAM BACKER ROO OR BOYD BEAKER TAPE.

THE HORE FLOOR EXPANSION DOTT SEALANTS AT INTERIOR CONCRETE SLAB EXPANSION JOINTS, PROVIDE TWO COMPONENT, NON-SAG TO FLYURETHAS LE EXPANSION JOINTS, PROVIDE TWO COMPONENT, NON-SAG TO FLYURETHAS LE AND O, WITH MINIMITY OF SHORE A HARDINES AGAIN DE 290 LITTMATE; TOYARLEX' BY PECORA CORPORATION, OR APPROVED SUBSTITUTE. PRIME SUBSTRATES AS RECOMMENDED, AND INSTALL OVER CLOSED-CELL POLYURETHANE FOAM BACKER ROD OR BOND BREAKER TAPE AT EXPANSION JOINTS.

NITROUPED SUBSTITUTE.

INTERIOR FIRE BARKIER SEALANT: AT FIRE-RATED ASSEMBLY JOINTS AND PENETRATIONS, PROVIDE NON-SLUMP, SINGLE COMPONENT, NEUTRAL CURE ELASTOMERIC FIRESTOP SEALANT, UL LISTED FOR APPLICATION PIDICATED PROVIDE MINERAL WOOL INSULATION BACKING AND INSTALL IN COMPLIAN WITH UL LISTING.

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