Concrete

END OF SECTION 03350

ECTI	ON 03300 SUMM/ A.) - CAST ARY Cast-in- placem 1.	-IN-PLACE CONCRETE ·place concrete, including formwork, reinforcement, concrete materials, mixture design, ent procedures, and finishes, for the following: Footings.	SECTIC PART 1 1. (SPIB).
		2.	Foundation walls.	Wood F
	SUBMI	3. TTALS	Slabs-on-grade.	accorda 2
	A. B	Product Shop D	Data: For each type of product indicated.	securel
	Б.	1.	Reinforcing: a. Detail reinforcing in accordance with ACI 315. Indicate reinforcement sizes, spacings, locations and quantities of reinforcing, bending and cutting schedules,	PART 2 1.
		0	splicing, and supporting and spacing devices. b. Indicate embedded items. Slab Lavouts: Dimension locations of control, expansion, and construction joints. Relate to	a. to a mo
	C	2. Desian	building grid lines. Mixtures: For each concrete mixture. Submit alternate design mixtures when characteristics	506190. Fb=2,60
	о. Б	of mate	rials, Project conditions, weather, test results, or other circumstances warrant adjustments. Indicate amounts of mixing water to be withheld for later addition at Project site.	c. partitior
	D. MATER		aions. Submit mini certificates for cement, aggregates, and reinforcing.	(19) per center,
	A.	1.	Reinforcement. Reinforcing Bars: Deformed.	d. Í PS-1-80
		2	 b. Minimum recycled content: 60% Plain-Steel Welded Wire Reinforcement: ASTM A 185, plain, fabricated from as-drawn 	inspecti
1	В.	Concre	steel wire into flat sheets. te Materials:	Nailing
. 1		1. 2.	Portland Cement: ASTM C 150, Type I, gray, supplemented with 50% [fly ash] [ground granulated blast-furnace slag]. Aggregate: Normal weight.	sheathi inches. f
		3. 4.	Admixtures: Provide admixtures certified by manufacturer to be compatible with other admixtures and that will not contribute water-soluble chloride ions exceeding those	panel (2 dimens
.2			permitted in hardened concrete. Do not use calcium chloride or admixtures containing calcium chloride.	g. l
			a. Air-Entrainment: ASTM C 260. b. Water-Reducing Admixture: ASTM C 494/C 494M, Type A.	EPA.
			 c. High-Range, Water-Reducing Admixture: ASTM C 494/C 494M, Type F. d. High-Range, Water-Reducing and Retarding Admixture: ASTM C 494/C 494M, Type C 	the Sim
	0	Fiber R	e. Accelerator ASTM C 494, Type C or E, non-corrosive, non-chloride.	based o
	C.	1.	Fibrillated polypropylene micro-fibers engineered and designed for use in concrete, complying with ASTM C 1116/C 1116M Type III	b
	D.	Waters	cons: Flexible rubber. Vapor Retarder: ASTM E 1745, Class A. Include manufacturer's recommended adhesive or	d.
3	L. F	pressur	e-sensitive joint tape. Materials: Waterborne, monomolecular film forming, manufactured for application to fresh	3. Unless
	G.	concret Related	e. Materials:	as hold
	0.	1.	Expansion- and isolation-joint-filler strips ASTM D 1751, asphalt-saturated cellulosic fiber or ASTM D 1752, cork or self-expanding cork.	PART 3
		2.	Bonding Agent: ASTM C 1059/C 1059M, Type II, non-redispersible, acrylic emulsion or styrene butadiene.	1. plate ar
		3.	Non-Shrink Grouts: ASTM C 1107, Grade B; non-shrink non-catalyzed natural aggregate grout; minimum compressive strength of 7000 PSI at 28 days; 25 to 30 second flow when	additior wall hei
		4.	tested in accordance with ASTM C 939 at 45 to 90 degrees F; cement gray in color Form Release Coating: Water based type; VOC <150g/l; Nox-Crete "Utility Release.	interval
	Н.	Repair	Cresset Chemical Company Crete 20_VOC," or approved; non staining. Materials:	self fitti
		1.	applied in thicknesses from 1/8 inch(3.2 mm) and that can be feathered at edges to match	3.
			a. Cement Binder: ASTM C 150, portland cement or hydraulic or blended hydraulic	to fit the
			b. Primer: Product of underlayment manufacturer recommended for substrate,	approva
			C. Aggregate: Well-graded, washed gravel, 1/8 to 1/4 inch(3.2 to 6 mm) or coarse sand as recommended by underlayment manufacturer	shall be 20d and
			d. Compressive Strength: Not less than 4100 psi(29 MPa) at 28 days when tested according to ASTM C 109/C 109M.	plates, stud wie
		2.	Repair Overlayment: Cement-based, polymer-modified, self-leveling product that can be applied in thicknesses from 1/8 inch(3.2 mm) and that can be feathered at edges to match	4. I mirrors,
			a. Cement Binder: ASTM C 150, portland cement or hydraulic or blended hydraulic	at 10-0
			b. Primer: Product of topping manufacturer recommended for substrate, conditions, and application.	Woo
			c. Aggregate: Well-graded, washed gravel, 1/8 to 1/4 inch(3.2 to 6 mm) or coarse sand as recommended by topping manufacturer.	
			d. Compressive Strength: Not less than 5000 psi(34.5 MPa) at 28 days when tested according to ASTM C 109/C 109M.	SECTION PART
.4	INSTAL A.	LATION. Floor ar	nd Slab Finishes:	1. the fab
		1. 2.	Float: Surfaces to receive trowel finish. Trowel: Surfaces exposed to view, and surfaces to be covered with resilient flooring,	drawing
			carpet, ceramic or quarry tile set over a cleavage membrane, paint, or another thin-film- finish coating system.	review
		3.	either thickset or thin-set method.	require
5	FIELD (4. QUALITY	CONTROL	2. shall co
	A. B.	Inspect	ons: By Owner-engaged special inspector.	4". All of the v
	r Seuth	011 0330	0	3. a.
SF		3350 - C		to L/24 b.
1.1	SU A.	MMARY Sec	ction Includes:	such tru minimu
		1. 2.	Concrete Sealer Colored Concrete Sealer.	C. design
1.2	SU A.	BMITTAI Qui	_S alification Data: For qualified Applicator.	drawing
	В. С.	Ma Wa	ntenance Data: For SealSource to include in maintenance manuals. rranty: Special warranties specified in this Section	4.
1.3	WA A.	RRANT Spe rep	Υ ecial Warranty: Manufacturer's standard form in which manufacturer agrees to repair or lace color sealant that fail(s) in materials or workmanship within specified warranty iod.	state co design membe
1.4	MA	1. NUFACI	Warranty Period: Five years from date of Substantial Completion.	and we
-	Α.	Ma follo	nufacturers: Subject to compliance with requirements, provide products by one of the pwing:	drawing review
<u>م</u> -	~~	1. 2.	SealSource, LC. Ameripolish	PART 2
1.5	CO A.	VO VO	C Content: Liquid floor treatments shall have a VOC content of 200 g/L or less when culated according to 40 CFR 59. Subpart D (FPA Method 24)	of the a
	B.	Sea	alSource Harden X Salt Guard eripolish Proquard Stain Shield	Sizea (0 2.
1.6	CO A	LORED VO	CONCRETE SEALER C Content: Liquid floor treatments shall have a VOC content of 200 α/L or less when	require "C" spe
	B.	cal Se	culated according to 40 CFR 59, Subpart D (EPA Method 24).	3. if the tr
1.7	C. PRI	Am EPARAT	eripolish Solvent Based Dye ION	PARTS
	A.	Insp and	pect existing slab for excessive cracking, spalling, or rock pockets. Clean deficient areas patch with an all-purpose, non-shrink, cementitios grout.	1. workme
	B	Add	aressivery grind condrete to expose large aggregate.	2

Rough Carpentry

ION 06010 - ROUGH CARPENTRY - GENERAL Grading Rules: Southern Pine - latest edition of Standard Grading Rules, Southern Pine Inspection Bureau Douglas Fir, Western Larch, Western Hemlock- latest edition of Standard Grading Rules published by Western Products Association (WWPA) or West Coast Lumber Inspection Bureau (WCLIB). All material manufactured in ance with U.S. Product Standard and shall carry grade trademarks on each piece. Workmanship: Employ only skilled carpenters. All carpentry shall be accurately set, plumb, true, even and ly fastened in accordance with referenced standard or manufacturer's recommendations.

2 - PRODUCTS Materials:

600 psi, Fv=285 psi, E=2,000,000 psi

, unless local code requires closer spacing.

tion if local code requires

on the following criteria:

d down anchors.

- EXECUTION

als of 8 feet.

and live load are superimposed. idth. Center all bored holes in wall framing.

od Trusses

ION 06190 - WOOD TRUSSES - GENERAL

, including fabrication and erection.

web members bearing a grade stamp.

um of 2000 pounds unless noted otherwise on the framing plans. ted to be in place.

by the Architect. - PRODUCTS

ecifications

3 - EXECUTION

adversely affect the installation or structural capacity of the trusses. SECTION 06200 - FINISH CARPENTRY

- Joists, beams, planks, rafters, headers, exterior wall top plates: S4S, #1 SP (Southern Pine) or #1 DF-L, air-dried oisture content of nineteen (19) percent or less. Truss lumber to be per design Engineer's specifications and Structural Composite Lumber to be laminated veneer lumber with the following minimum design values:
- Plates, blocking, furring, and bracing: S4S, #2SP (Southern Pine) or #2 DF-L or better.
- Studs: Bearing walls, posts and partitions to be # 2 S-P (Southern Pine) or #2 DF-L. Non-bearing walls or ons to be No. 2, Construction Grade or better. All studs shall be air-dried to a maximum moisture content nineteen ercent. Bearing wall studs at sixteen (16) inches on center. Non-bearing wall studs at sixteen (16) inches on
- Roof Sheathing: 19/32" CDX exterior grade plywood APA rated 24/0, and conforming with Product Standard 30. Provide spacer clips. Install with face grain perpendicular to supports. Nailing to remain exposed for
- Exterior Wall Sheathing: 15/32" CDX exterior grade plywood APA rated 16/0. All exterior walls are shear walls. to remain exposed for inspection. Install full depth 2x blocking at all panel edges (except where 3x framing is ed by shear wall schedule). Provide additional framing at wall ends and breaks for Simpson Anchors. Cover all ning with building wrap (Tyvek) installed starting from the bottom, with 6 inch overlaying laps. Lap vertical joints 12
- Mechanical Platform Floor Sheathing: 23/32" tongue and groove plywood APA rated sturd-i-floor wood structural (24 span rating), fasten to supports with 10d at 6" o.c. at panel edges and 12" o.c. in field. Install panels with long sion perpendicular to supports. Install full depth 2x blocking at all panel edges.
- Preservative treatment: All lumber in contact with concrete or exposed to weather shall be pressure treated in iance with AWPA Standards C1 & C2, 15% maximum moisture content equal to MCQ or ACQ as approved by the
- Simpson Connectors: Metal ties, connections, tie-downs, hold-downs, straps, and related items shall be those of mpson "Strong-Tie" Connectors, without substitution and based on their latest catalog. All holes shall be filled with per nail or bolt as specified by manufacturer. Reference drawings for metal connections and include connectors
- All exterior walls shall be tied to the top and bottom of studs, columns, posts, and related elements.
- All interior bearing shall be tied to the top and bottom of studs, columns, posts, and related elements. All roof trusses shall have ties connecting them to the bearing plates, beams, and related items.
- All conventional roof members shall have ties connecting them to plates, beams, and other structural elements. Fasteners: All rough hardware and fasteners used on the exterior shall be corrosion resistant and non-staining. s called out otherwise, they shall be galvanized or stainless steel. 2"x2"x3/16" plate washers shall be used under eads and nuts against wood. Use heavy plate or mallable iron washers for all bolts designed to act in tension, such
- All wall penetrations shall have a minimum of double studs each side of the opening, one full height to the top and one becoming a cripple stud supporting a header. If the opening width exceeds five (5') feet, provide an onal stud extending to the top plate. If the opening exceeds seven feet (7) provide an additional cripple stud. If a eight exceeds ten (10) feet, provide 2x bridging, same width as wall, preferably at mid-height, but not to exceed
- All dimensions and measurements shall be field verified to produce proper fit and function. All members shall be ting without fillers. Fasteners and anchorages shall bring the members into a tight fit without movement when a
- All framing lumber, blocking, studs, joists and related members shall be closely fitted with square or shaped ends, ately set to required lines and level, plumb and true in all dimensions. Members on a slope shall be accurately cut
- e angles. All wood members shall be nailed or bolted to the abutting material to hold them firmly in place. No g member shall be diminished in cross sectional area to accommodate pipes, wires, or conduits without the val of the Architect. Studs are sized to accommodate a 3/4" hole when drilled in the middle of the width. Bolt holes e the same size as the nominal size of the bolt used. Retighten all nuts prior to closing in. Pre-drill all holes for d larger nails and all lag bolts. DO NOT bore or notch joists, rafters, headers, or beams. Holes through sills,
- , studs, and double plates in interior/exterior bearing walls and shear wall framing shall not exceed 1/3 the plate or Provide wood blocking to support wire shelves, casework, paper towel dispensers, toilet paper holders, grab bars,
- , and electrical/plumbing/HVAC items as required. Provide solid blocking for all rafters more than 10 inches deep 0" o.c., and for all floor joists 8 inches or more in depth at 8'-0" o.c. maximum.
- Pre-engineered wood trusses shall be used for roof framing. Sizing of members and design of system to be by bricator. Fabricator to supply necessary engineering certification to comply with Local Building Codes. Truss shop ngs shall be stamped by a Professional Engineer registered in the state of the project construction. Copies will be tted to the Architect for approval. The Contractor shall submit copies of design shop drawings to local design
- v departments, if required. The truss configurations indicated on the drawings are schematic in nature to show ed spans and roof slopes. The truss manufacturer shall be solely responsible for the structural design of the Trusses shall be fabricated by a certified member of the Truss Plate Institute. Design, fabrication and erection
- conform to Truss Plate Institute Standards. Connector plates shall be ICBO approved with a minimum size of 2" x I chord members shall have lumber grade stamps; all web members from the same lumber grade with at least 50% Design Truss Loadings: See Plans and/or structural calculations.
- Verify Design Loads meet or exceed ASCE 7-10 for live and snow loading. Total load deflection shall be limited
- The truss manufacturer shall be responsible for the design of all trusses used as drag struts and shall ensure russes are placed as shown on the plans. The amount of load transmitted laterally by the member shall be a
- The truss manufacturer shall select and supply all truss hold down plates/connectors necessary to resist the net n uplift forces determined based on the building code prescribed combinations of the design loads shown on the ngs. The maximum design dead load considered to resist wind uplift in such combinations shall be the minimum
- Truss manufacturer to submit erection plan and show drawings, bearing the seal of an Engineer registered in the conforming to the design criteria specified herein for approval and prior to fabrication. Submitted data to contain n loadings, allowable stress increases employed, calculated truss member stresses, rated load capacity of the truss er connection size, species, and stress-grade of lumber employed, fabrication details indicating location of ectors, handling and erection instructions, truss to truss connection details, and all bracing requirements of chords
- Failure to furnish any of the above required data will be regarded as ample reason for the rejection of the shop ngs. The Contractor shall approve fabrication drawings indicating size, shape, and layout prior to submittal for
- All lumber shall conform to the stress ratings of for the species and grades as set out in the official grading rules appropriate lumber association or as listed in referenced design standards. All top and bottom chords shall be o support overhangs and interior attachments. All overhangs greater than 3'-0" shall have 2x6 top chords Connector plates shall be a minimum of 0.036" in thickness and shall be manufactured from material meeting the ements of ASTM A446 Grade A steel. Plates to be galvanized in accordance with ASTM A525 G60 Coating Class
- The truss manufacturer shall be responsible for all truss to truss connections, all truss to girder connections, and russ is made up of more than one truss, the truss to truss connections.
- Fabricate all trusses and components in a properly equipped permanent manufacturing facility, by experienced nen using precision cutting and fabrication equipment under the direct supervision of a qualified foreman. Carefully inspect locations where trusses are to be installed. Notify the Architect of any conditions that would
- 3. Install trusses true and plumb and securely anchored to the top plate with hurricane ties at each end. Erection and installation shall be in accordance with written instructions from the manufacturer.
- 3. The truss manufacturer shall be responsible for all truss to truss connections, all truss to girder connections, and if the truss is made up of more than one truss, the truss to truss connections.

Metals

- SECTION 05500 METAL FABRICATIONS SUMMARY 1.1
 - Steel framing and supports for mechanical and electrical equipment. Steel framing and supports for applications where framing and supports are not specified in other Sections. Shelf angles.
- Metal bollards. 1.2 SUBMITTALS
 - Product Data: For the following: Paint products
 - All prefabricated products.
 - Shop Drawings: Show fabrication and installation details for metal fabrications.
 - Include plans, elevations, sections, and details of metal fabrications and their connections. Show anchorage and accessory items. Provide templates for anchors and bolts specified for installation under other
 - Sections Welding certificates.
- 1.3 PRODUCTS
 - Materials: Steel plates, shapes, and bars, steel pipe, slotted channel framing. Provide steel W-shapes, channels, angles, M-shapes, S-shapes with a minimum recycled content of 60 percent.
 - Miscellaneous Framing and Supports: Steel framing and supports for mechanical and electrical equipment, applications where framing and supports are not specified in other Sections.
 - Galvanize where indicated. Prime with zinc-rich primer where indicated.
 - Loose steel lintels, galvanized at exterior walls.
 - Shelf angles, galvanized. Steel weld plates and angles not specified in other Sections, for casting into concrete.
- Metal Bollards: Schedule 40 steel pipe. END OF SECTION 05500

Wood and Plastics

1.1

SECTION 06160 - ROUGH INTERIOR FRAMING

- SUMMARY Wood blocking and nailers. Utility shelving.
- Plywood backing panels.
- 1.2 MATERIALS Wood-Preservative-Treated Lumber: Preservative Treatment: AWPA C2 with chemicals containing no arsenic or chromium. AWPA C31 (inorganic boron) may be used in protected locations. Application: Items indicated and as follows: Items in contact with roofing or waterproofing. Items in contact with concrete or masonry. Framing less than 18 inches(460 mm) above ground in crawlspaces. Floor plates installed over concrete slabs-on-grade. Fire-Retardant-Treated Materials: Interior Type A: Treated materials shall have a moisture content of 28 percent or less when tested according to ASTM D 3201 at 92 percent relative humidity. Use where
 - exterior type is not indicated Application: Items indicated and as follows:
 - Concealed blocking.
 - Plywood backing panels.
 - Dimension Lumber Framing: For items of dimension lumber size, provide Construction or No. 2 grade lumber with 19 percent maximum moisture content of any species.
 - Plywood backing panels for telephone and electrical equipment: made with adhesives containing
 - no urea formaldehvde Fasteners: Hot-dip galvanized steel where exposed to weather, in ground contact, in contact with treated wood, or in area of high relative humidity.
 - Construction Adhesive
 - VOC Limits: 70 g/L
 - Wood Adhesive: a. VOC Limits: 30 g/L
 - Contact Adhesive: VOC Limits: 80 g/L
- END OF SECTION 06160

Thermal and Moisture Protection

SECTION 07115 - BITUMINOUS DAMPPROOFING 1.1 SUMMARY

- Cold-applied, emulsified-asphalt dampproofing applied to the following surfaces:
- Exterior, below-grade surfaces of concrete and masonry foundation walls. Back side of [concrete] [and] [masonry] retaining walls, below grade.
- Exterior face of inner wythe of exterior masonry cavity walls. Interior face of exterior [concrete] [and] [masonry] walls, above grade.
- 1.2 MATERIALS
- Cold-Applied, Emulsified-Asphalt Dampproofing:
- 1.3 INSTALLATION A Cold-Applied, Emulsified-Asphalt Dampproofing: Concrete Foundations and Parged Masonry Foundation Walls: Two brush or spray coats, one fibered brush or spray coat, or one trowel coat.
 - Unparged Masonry Foundation Walls: Primer [and two brush or spray coats, primer and one fibered brush or spray coat, or primer] and one trowel coat.
 - Unexposed Faces of Concrete Retaining Walls: One brush or spray coat.
 - Unexposed Faces of Masonry Retaining Walls: Primer and one brush or spray coat. Exterior Face of Inner Wythe of Cavity Walls: Primer and one brush or spray coat.
 - Interior Face of [Single-Wythe] Exterior Masonry Walls: Primer and one brush or spray
- END OF SECTION 07115

SECTION 07210 - BUILDING INSULATION 1.1 SUMMARY

- Applications: Α.
 - Perimeter insulation under slabs-on-grade Perimeter wall insulation (supporting backfill).
 - Concealed building insulation.
- Vapor retarders. Sound attenuation insulation.
- 1.2 PERFORMANCE REQUIREMENTS
- Plenum Rating: Glass [Slag-wool-fiber/rock-wool]-fiber insulation rated for resistance against erosion and mold growth per UL 181.
- 1.3 MATERIALS Insulation Α.
 - All insulation materials located within the waterproof membrane must be certified as low emitting. Certification must be based upon the California Department of Health Services Standard Practice for The Testing Of Volatile Organic Emissions From Various Sources Using Small-Scale Environmental Chambers, including 2004 Addenda or a jurisdictionally
 - recognized standard using equivalent testing methodologies and VOC thresholds. Uncontained Extruded-Polystyrene Board:
 - Type IV, 1.60 lb/cu. ft.(26 kg/cu. m).
 - Minimum recycled content: 20% Unfaced Glass-Fiber Blanket:
 - Minimum recycled content: 20%
 - Kraft-Faced, Glass-Fiber Blanket Insulation: ASTM C 665, Type II (non-reflective faced), Class C (faced surface not rated for flame propagation); Category 1 (membrane is a vapor
 - barrier Vapor Retarders: Foil scrim kraft FSK 25.
- Auxiliary Insulating Materials: Eave ventilation troughs
- Insulation fasteners

END OF SECTION 07210

Drainage EIFS

SECTION 07240 - DRAINAGE EIFS with FLUID-APPLIED MEMBRANE

PART 1 GENERAL

1.01 SUMMARY: Provide an adhesively attached drainage Exterior Insulation and Finish System as specified in this Section, and as needed for a complete and proper installation.

- 1.02 RELATED WORK: Section 06200- Rough & Finish Carpentry; product specification for plywood EIFS substrate. Section 09260- Gypsum Wallboard & Partition System; product specification for EIFS substrate. Section 09860- Exterior Masonry Coatings; product specification for EIFS-based coating system on existing exterior masonry surfaces. (renovation, if applicable)
- 1.03 SUBMITTALS:
- A. Selected EIFS installer shall review the design documents thoroughly. Shop drawings shall be submitted only if exceptions or deviations are taken with design documents. Shop drawings shall specifically identify any recommendations or corrections required to maintain compliance with manufacturer's standards and warranty conditions, including but not limited to penetrations, sealants and flashings. Any exceptions or deviations to design documents shall be submitted to the selected General Contractor for review and approval by the design professional.
- B. Given the current litigation associated with this product, as an inducement to accept the EIFS product, the EIFS manufacturer and installer shall agree to indemnify, defend and hold harmless the Owner, Architect, Engineer and the Professional of Record against any and all claims, damages, suits, actions, legal costs and expenses directly and/or indirectly related to litigation associated with the EIFS system.
- C. A representative of the EIFS manufacturer shall be contacted to attend a pre-installation meeting prior to the start of the EIFS application and if deemed necessary, to provide job-site observations and documentation as noted in Part III of this section.
- D. Furnish manufacturer's most current system specification, technical data sheets and LEED compliance information sheets for each system component and most current code compliance report for the system being used.
- E. Submit 8" X 8" samples of each texture and color to be used on the project for approval.
- F. Review of submittal by Professional of Record shall be limited to verifying aesthetic compliance with design, EIFS System type and product components.
- G. Any Request for Product Substitution must be submitted per Section 01340 Submittals.
- 1.04 QUALITY ASSURANCE: General Contractor shall schedule a pre-construction meeting to include EIFS manufacturer's local representative, EIFS contractor, sealant and flashings contractor to review system components, critical details, proper sequencing and scheduling. The Drainage Exterior Insulation and Finish System manufacturer's specifications shall be followed completely and any deviations, due to job-site conditions, shall be brought to the attention of the EIFS manufacturer and General Contractor for their review and comments.

1.05 WARRANTY:

- A. Manufacturer's Warranty: The Contractor shall provide the EIFS Manufacturer's Standard 10-Year Limited Materials & Labor Warranty in the Building Maintenance Manuals submitted to the owner.
- B. Installer's Warranty: The Contractor shall include a copy of the EIFS installer's warranty for all work provided, for a term of 1 year after the Date of Substantial Completion, in the Building Maintenance Manuals submitted to the owner.

PART 2 PRODUCTS

2.01 DRAINAGE EIFS MANUFACTURER:

- A. The Contractor shall provide and install EIFS where shown on the drawings. No product/ manufacturer substitution is permitted.
- B. Acceptable Drainage EIFS: a.Provide StoTherm Essence NExT by Sto Corp., Atlanta, GA
- 1. Sheathing: Glass Mat Faced Exterior Sheathing shall be Dens-Glass Gold Sheathing by G-P Gypsum Corporation, Atlanta GA (800/ 947-4497 Northeast US), subject to acceptance by the EIFS manufacturer as part of the warranted EIFS system. Paper-faced exterior gypsum sheathing is NOT an acceptable product substitution.
- 2. Sheathing at Building Signage: Do NOT provide Glass Mat Faced Exterior Sheathing.

pressure treated or fire retardant treated wood shall be **clean** and **dry**.)

- 3. Waterproofing Air / Moisture Barrier Membrane: StoGuard (joint treatment & waterproof coating for all exterior sheathing areas and rough openings) (Note: StoGuard™ may be placed on pressure treated or fire retardant treated wood. The
- 4. Adhesive: Sto Primer/Adhesive-B one component polymer modified cement based, factory blend adhesive (for use over StoGuard™ treated exterior glass mat faced gypsum sheathing (compliant with ASTM C 1177), exterior cementitious sheathing, exterior grade plywood, Exposure I rated OSB sheathing, concrete, masonry or cement plaster surfaces.)
- 5. Exterior Insulation Board: Nominal 1.0 lb/ft3 (16 kg/m3) Expanded Polystyrene (EPS) Insulation Board in compliance with ASTM E 2430 and ASTM C 578 Type I requirements. Board thickness minimum 1-1/2" with 3/4" deep v-groove reveals where shown on the drawings, leaving a minimum 3/4" EPS material thickness. EPS Board shall be aged/ air-dried for the equivalent of six weeks prior to installation.
- 6. Basecoat: (select a1; select b1 to supplement a1 on surfaces that require waterproofing) a. Cementitious Base Coat
- 1. Sto Primer/Adhesive-B one component polymer modified cement based factory blended base coat. b. Waterproof Base Coat
- 1. Sto Flexyl two component fiber reinforced acrylic based waterproof base coat mixed with portland cement (for use as a waterproof base coat to waterproof foundations, parapets, splash areas, trim and other projecting architectural features).
- 7. Reinforcing Mesh:

a.Above 8'-0" height at adjacent finish grade: Sto Mesh 4.5 oz/ sq. yd. Standard Reinforcing b.Below 8'-0" height at adjacent finish grade: Sto Armor Mat 15 oz/ sq. yd. Reinforcing Mesh, applied as a secondary reinforcement under Standard Reinforcing Mesh at these wall areas.

- 8. Textured Finish: Sto Essence DPR Finish acrylic based textured wall coating with graded marble aggregate and dirt pick-up resistance technology
- 9. Colors/ Textures for EIFS Finish:
- a. Refer to drawings.

10. Accessories: Provide all components required to provide a complete system by a single source as furnished by Plastic Components, Inc., 9051 NW 97th Terrace, Miami, Florida 33178 (800 327-7077) or equivalent.

2.02 PRE-MANUFACTURED FOAM MOULDING:

A. Pre-manufactured Foam Mouldings shall be provided as manufactured by the following: 1. If pre-manufactured foam mouldings are to be supplied versus field applied mouldings, EIFS manufacturer shall be notified to ensure that correct EIFS components are being used and

- installed according to specifications by specialty foam shop. B. Specialty foam manufacturers shall conform with specified EIFS components as listed in section 2.01 above.
- No urethane coatings will be allowed.
- D. EIFS contractor shall provide profile as detailed on the drawings







PROFESSIONAL OF RECORD BULLOCK, KEYMA L. License NO. 2004011669 Expiration Date 12/31/20

Drawn By/Checked By:	RMT/MSD
Project Number	320488

Permit Date



SPECIFICATIONS

