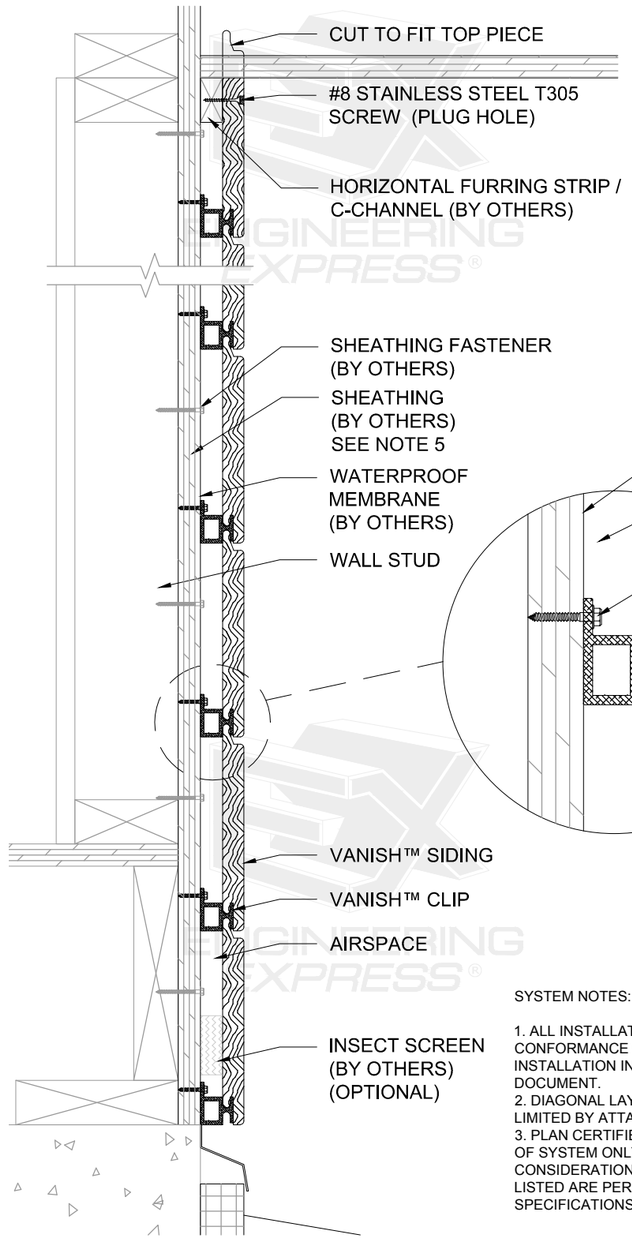
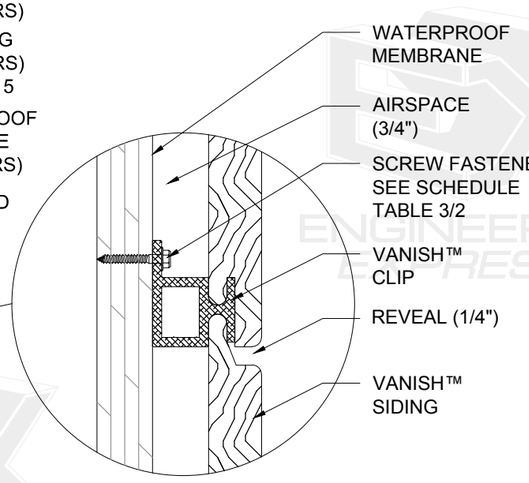
VANISH RAIN SCREEN AND SOFFIT SYSTEM

EXTERIOR CLADDING SYSTEM

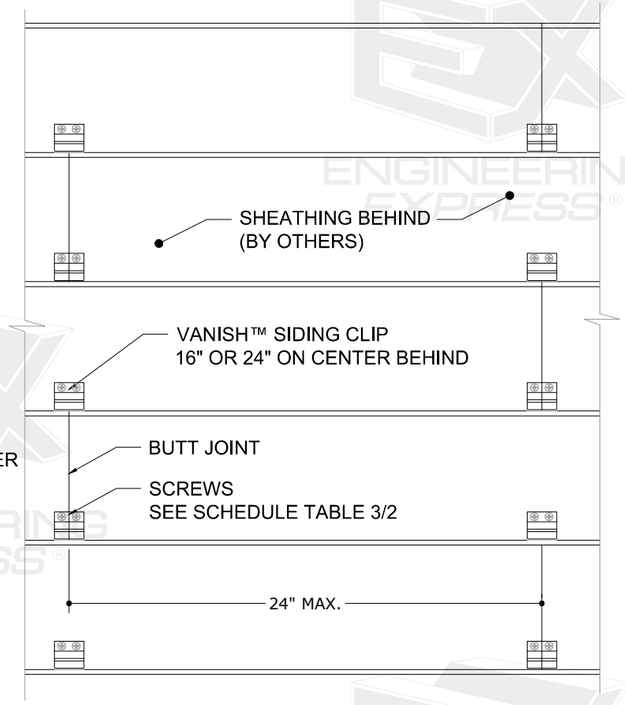




SYSTEM NOTES:

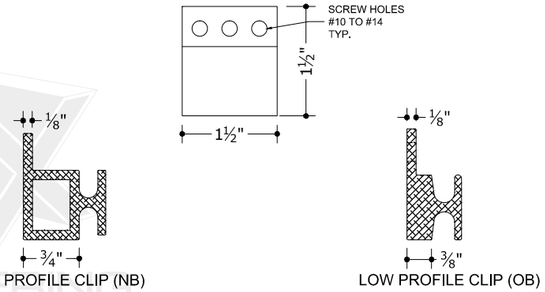
1. ALL INSTALLATION SHALL BE DONE IN CONFORMANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS AND THIS DOCUMENT.
2. DIAGONAL LAYOUT IS PERMITTED AND LIMITED BY ATTACHMENT SCHEDULE.
3. PLAN CERTIFIES STRUCTURAL ADEQUECY OF SYSTEM ONLY. ALL WATERPROOFING CONSIDERATIONS AND METHODS NOT LISTED ARE PER MANUFACTURER SPECIFICATIONS.

1/1 RAIN SCREEN ATTACHED TO SHEATHING
N.T.S SECTION VIEW



2/1 HORIZONTAL RAIN SCREEN ATTACHED TO SHEATHING
N.T.S ELEVATION VIEW

HIGH PROFILE CLIP (NB)
LOW PROFILE CLIP (OB)
(NYLON GLASS FILLED OR ALUMINUM)



HIGH PROFILE CLIP (NB)

LOW PROFILE CLIP (OB)

3/1 VANISH CLIPS
N.T.S VIEW

SCOPE OF WORK:

PROVIDE STRUCTURAL DETAILS FOR THE CONNECTION OF THE RAIN SCREEN SYSTEM TO STRUCTURAL SHEATHING, AND WOOD OR METAL FURRING.

GENERAL NOTES:

1. ALL WORK SPECIFIED HEREIN HAS BEEN DESIGNED AND SHALL BE FABRICATED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE FIFTH EDITION (2014).
2. THE HOST STRUCTURE IS ASSUMED TO BE ADEQUATE TO WITHSTAND THE LOADS IMPOSED BY THIS DESIGN. THE CONTRACTOR/BUILDING OFFICIAL SHALL VERIFY THAT THE SUBSTRATE IS SOUND FOR INSTALLATION OF THIS SYSTEM.
3. ALL MATERIALS USED & FABRICATION METHODS SHALL CONFORM TO THE MANUFACTURER'S PUBLISHED AND APPROVED REQUIREMENTS.
4. ALL FASTENERS TO BE ASTM F593 COLD WORKED 316 STAINLESS STEEL (FY=100KSI) OR BETTER, SAE GRADE 5, OR CADMIUM PLATED OR OTHERWISE CORROSION RESISTANT MATERIAL UNLESS NOTED OTHERWISE AND SHALL COMPLY WITH 5.1.1C, SPECIFICATIONS FOR ALUM. STRUCTURES - SECTION 1, THE ALUMINUM ASSOCIATION, INC. & APPLICABLE FEDERAL, STATE, AND LOCAL CODES.
5. STRUCTURAL SHEATHING SHALL BE APA RATED PLYWOOD, 1/2" OR BETTER THICKNESS (PLAYWOOD PER F.B.C 2308.9.3(2)) & CONTINUOUS OVER TWO OR MORE SPANS, WITH FACE GRAIN PERPENDICULAR TO THE SUPPORTS. OTHER STRUCTURAL SHEATHING MATERIALS PERMITTED AS LOCAL CODE REGULATIONS ALLOW, WITH DENSITY 0.45 MINIMUM & ½" THICKNESS MINIMUM.
6. WOOD FURRING SHALL HAVE A MINIMUM SPECIFIC GRAVITY OF 0.5 AND MIN THICKNESS OF ¾" (U.O.N); STEEL FURRING SHALL BE A MINIMUM OF 20ga THICKNESS, STRENGTH OF 45 KSI ULTIMATE & 33 KSI YIELDING.
7. ALL EXTRUDED MEMBERS SHALL BE ALUMINUM ALLOY TYPE 6063-T6 U.N.O; ALL NYLON SHALL BE 30% GLASS REINFORCED WITH A LONG TERM SERVICE TEMPERATURE IN AIR OF 248 °F MIN, & TENSILE STRENGTH 19 KSI MIN IN A 50% RELATIVE HUMIDITY ENVIRONMENT.
8. THE CONTRACTOR IS RESPONSIBLE TO INSULATE DISSIMILAR METALS TO PREVENT ELECTROLYSIS.ENGINEER SEAL AFFIXED HERETO VALIDATES STRUCTURAL DESIGN AS SHOWN ONLY. USE OF THIS SPECIFICATION BY THE PERMIT HOLDER/CONTRACTOR, et. al. INDEMNIFIES, DEFENDS, & SAVES HARMLESS THIS ENGINEER FOR ALL COST & DAMAGES INCLUDING LEGAL FEES & APPELLATE FEES RESULTING FROM MATERIAL FABRICATION, SYSTEM ERECTION, & CONSTRUCTION PRACTICES BEYOND THAT WHICH IS CALLED FOR BY LOCAL, STATE, & FEDERAL CODES & FROM DEVIATIONS OF THIS PLAN.
9. THIS DOCUMENT IS GENERIC AND DOES NOT PERTAIN TO ANY SPECIFIC PROJECT SITE. INFORMATION CONTAINED HEREIN IS BASED ON CONTRACTOR-SUPPLIED DATA AND MEASUREMENTS. ENGINEERING EXPRESS SHALL NOT BE HELD RESPONSIBLE OR LIABLE IN ANY WAY FOR ERRONEOUS OR INACCURATE DATA OR MEASUREMENTS. DIMENSIONS ARE SHOWN TO ILLUSTRATE DESIGN FORCES AND OTHER DESIGN CRITERIA. THEY MAY VARY SLIGHTLY, BUT MUST REMAIN WITHIN THE LIMITATIONS SPECIFIED HEREIN. WORK SHALL BE FIELD VERIFIED BY OTHERS PRIOR TO CONSTRUCTION. ENGINEERING EXPRESS SHALL BE NOTIFIED AND GIVEN AN OPPORTUNITY TO REEVALUATE OUR WORK UPON DISCOVERY OF ANY INACCURATE INFORMATION PRIOR TO MODIFICATION OF EXISTING FIELD CONDITIONS AND FABRICATION AND INSTALLATION OF MATERIALS. ALTERATIONS OR ADDITIONS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE OUR CERTIFICATION.
10. EXCEPT AS EXPRESSLY PROVIDED IN HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.

FRANK L. BENNARDO, P.E.
PE# 0046549
02/09/2017
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VALID FOR 1 PERMIT ONLY U.N.O.
VALID ONLY WITH ORIGINAL ENGINEER SEAL

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RAIN SCREEN SYSTEM
MASTER PLAN SHEET VANISH RAIN SCREEN SYSTEM
FLORIDA BUILDING CODE FIFTH EDITION (2014)

REMARKS	DRWN	CHKD	DATE
INIT ISSUE	LAO	FLB	01/10/17
ADDED SCREW	LAO	FLB	02/08/17
-	-	-	-
-	-	-	-
-	-	-	-

16-3877

SCALE: NTS UNLESS NOTED

OF 2

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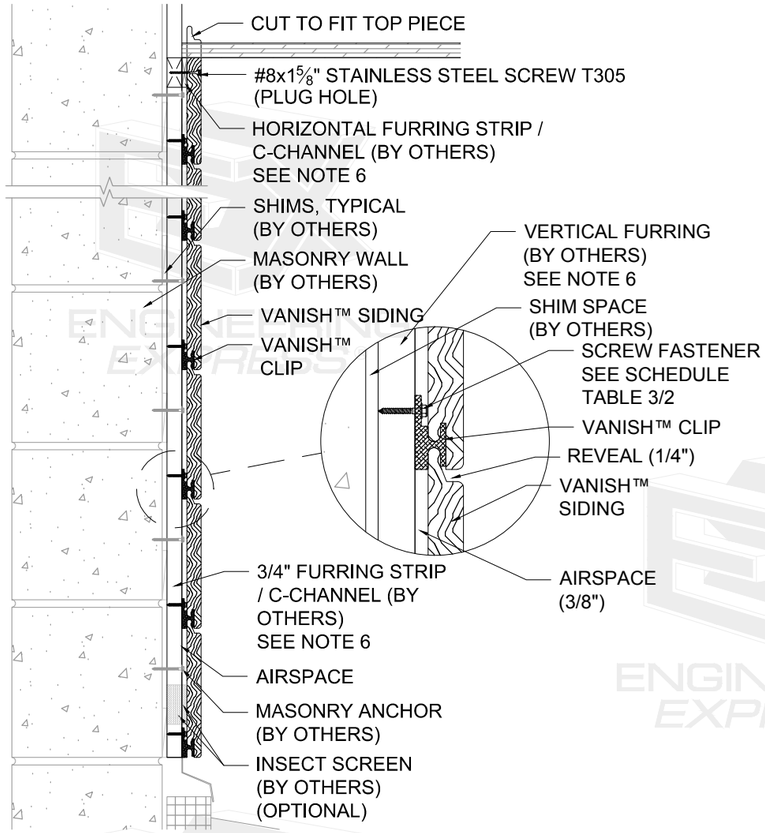
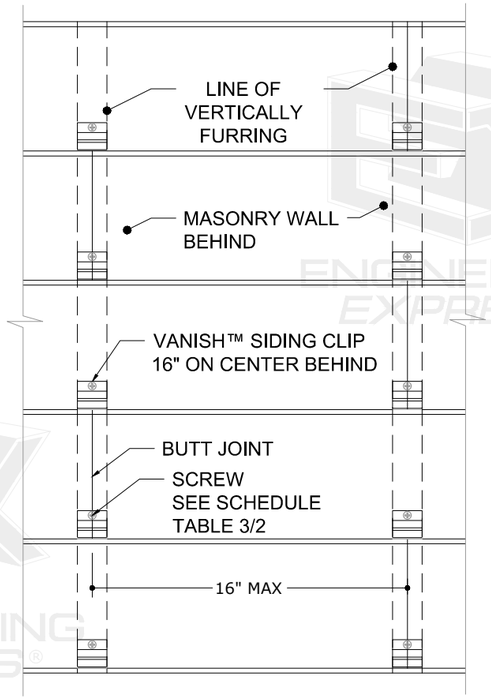
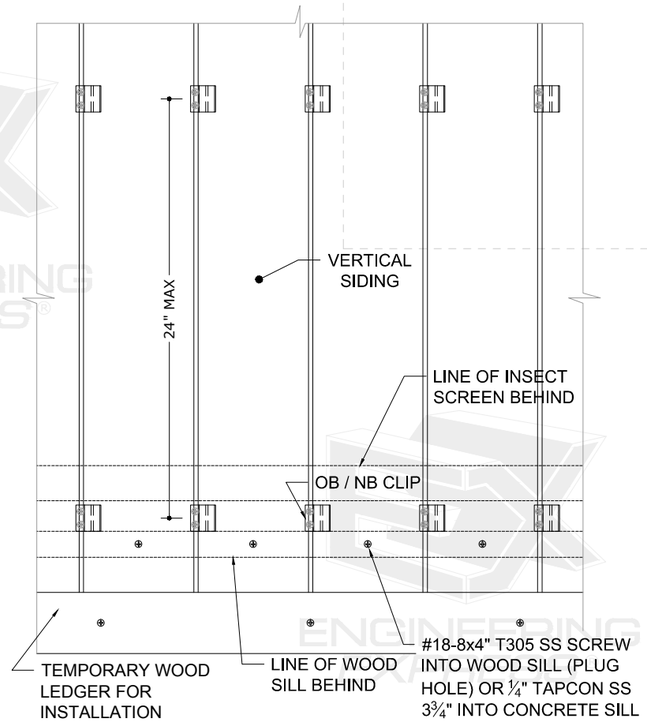


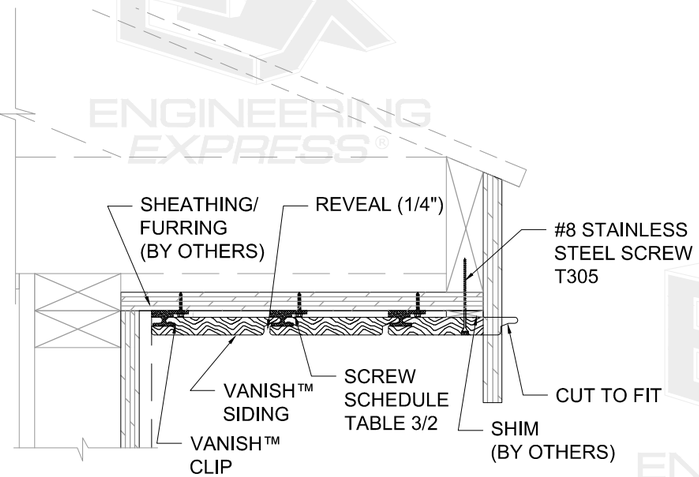
1/2 RAIN SCREEN ATTACHED TO FURRING
N.T.S — SECTION VIEW



2/2 HORIZONTAL RAIN SCREEN ATTACHED TO FURRING
N.T.S — ELEVATION VIEW



5/2 VERTICAL RAIN SCREEN ATTACHED SHEATHING
N.T.S — ELEVATION VIEW



4/2 SOFFIT ATTACHED TO SHEATHING
N.T.S — ELEVATION VIEW

SIDING SIZES Th	SIDING SIZES W	TYPE OF CONNECTION	PANEL/FURRING THICKNESS	CLIP SPACING	CLIP TYPE	SCREWS PER CLIP	SCREW DIAMETER	ALLOWABLE PRESSURE
1 "x	6 "	Clip to panel	1/2"	16 "	NB / OB	2 pcs	#12	110.0 Psf
1 "x	6 "	Clip to panel	1/2"	24 "	NB / OB	2 pcs	#12	80.6 Psf
1 "x	6 "	Clip to Wood Furring	3/4"	16 "	OB	1 pcs	#12	110.0 Psf
1 "x	6 "	Clip to Steel Furring	20 GA	16 "	OB	1 pcs	#12	110.0 Psf
1 "x	4 "	Clip to panel	1/2"	16 "	NB / OB	2 pcs	#12	110.0 Psf
1 "x	4 "	Clip to panel	1/2"	24 "	NB / OB	2 pcs	#12	110.0 Psf
1 "x	4 "	Clip to Wood Furring	3/4"	16 "	OB	1 pcs	#12	110.0 Psf
1 "x	4 "	Clip to Steel Furring	20 GA	16 "	OB	1 pcs	#12	110.0 Psf

NOTES:
1. IF WOOD FURRING STRIPS ARE USED, USE #12 x 1" STAINLESS STEEL T316 SCREW. ATTACHMENT AND INTEGRITY OF FURRING STRIP IS BY OTHERS AND SHALL MEET THE LIMITATIONS OF ALL IMPOSING LOADS. ¾" MINIMUM THICK FURRING REQUIRED.
2. IF METAL FURRING STRIPS ARE USED, USE #12 x 1" SCREW WITH 'QUICK GUARD' COATING OR MANUFATURER-RATED EQUIVALENT FOR CAPACITY AND CORROSION RESISTANCE. ATTACHMENT AND INTEGRITY OF FURRING STRIP IS BY OTHERS AND SHALL MEET ALL IMPOSING LOADS. METAL FURRING SHALL BE 18GA MINIMUM.
3. ANCHORS TO WOOD SHALL HAVE A MINIMUM OF ½" THREAD PENETRATION INTO THE MAIN MEMBER.
4. THE 'CLIP TYPE' COLUMN ABOVE ILLUSTRATES THE CLIPS PERMITTED FOR EACH TYPE OF CONSTRUCITON.
NB = HIGH PROFILE (SEE DETAIL 3 / 1) OB= LOW PROFILE (SEE DETAIL 3 / 1)
5. NOTE: IF A LESSER DIAMETER OR OTHER THAN MANUFACTURER'S SCREW TYPE IS DESIRED TO BE USED, THE RESULTING PRESSURES AND SPACING WILL CHANGE. THE PERMUTATIONS OF THESE OPTIONS IS OUTSIDE THE SCOPE OF THIS PLAN. PLEASE CONSULT WITH THIS FIRM FOR ANY SITE SPECIFIC NEEDS YOU MAY HAVE. NOTE THAT EXTRA FEES MAY APPLY TO THE END USER FOR OUR SITE-SPECIFIC ANALYSIS AS APPLICABLE.

3/2 RAIN SCREEN ATTACHMENT SCHEDULE
N.T.S — TABLE

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