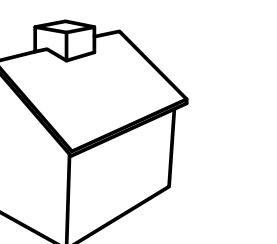


ABBREVIATIONS

AFF.	ABOVE FINISH FLOOR	EXG.	EXISTING	PKG.	PARKING
AP.	ACCESSORY PANEL	EXT.	EXTERIOR	PTN.	PARTITION
ADO.	ADDENDUM	FB.	FACE BRICK	PV.	PAVED(XING)
ADH.	ADHESIVE	F.O.	FACE OF	PMT.	PAVEMENT
ADJ.	ADJUSTABLE	FAS.	FASTENER	PED.	PEDESTAL
AGG.	AGGREGATE	FN.	FENCE	PER.	PERIMETER
A/C	AIR CONDITIONING	FGL.	FIBERGLASS	PLAS.	PLASTER
ALT.	ALTERNATE	FIN.	FINISH	PLAM. OR PL.	PLASTIC LAMINATE
AB.	ANCHOR BOLT	FFL.	FINISH FLOOR LINE	PLT.	PLATE
APPX.	APPROXIMATE	FE.	FIRE EXTINGUISHER	PVC.	POLYVINYL CHLORIDE
ARCH.	ARCHITECT	FP.	FIREPLACE	PE.	PORCELAIN ENAMEL
AD.	AREA DRAIN	FLG.	FLASHING	PSF.	POUNDS PER SQUARE FOOT
ASP.	ASPHALT	FLR.	FLOORING	PSI.	POUNDS PER SQUARE INCH
AT.	ASPHALT TILE	FD.	FLOOR DRAIN	P.C. OR P.C.CONC.	PRECAST CONCRETE
AUTO.	AUTOMATIC	FLR.	FLUORESCENT	PPB. OR PREFAB.	PREFABRICATED
AUN.	AUNING	FG.	FOOTING	QT.	QUARRY TILE
BSMT.	BASEMENT	FDN.	FOUNDATION	RAD.	RADIUS
BM.	BEAM	FR.	FRAME(XING)	RLG.	RAILING
BRG.	BEARING	FS.	FULL SIZE	REF.	REFERENCE
BM.	BENCH MARK	FBO.	FURNISHED BY OTHERS	REFR.	REFRIGERATOR
BVL.	BEVELED	FUR.	FURRED XING/	RE. OR REINF.	REINFORCED XING/
BIT.	BITUMINOUS	GA.	GAGE	RES.	RESILIENT
BLK.	BLOCK	GI.	GALVANIZED IRON	RA.	RETURN AIR
BLKG.	BLOCKING	GC.	GENERAL CONTRACTOR	RVS.	REVERSE SIDE
BD.	BOARD	GL.	GLASS GLAZING	REV.	REVISION(S), REVISED
B.S.	BOTH SIDES	GLB.	GLASS BLOCK	ROW.	RIGHT OF WAY
B.W.	BOTH WAYS	GD.	GRADE, GRADING	R.	RISER
BOT.	BOTTOM	GB. OR GYPBD.	GYPSUM BOARD	RD.	ROOF DRAIN
BR.	BRICK	HD.	HARDWARE	RFG.	ROOFING
BLDG.	BUILDING	HDL.	HEADER	RM.	ROOM
CAB.	CABINET	HGS.	HEATING	RO.	ROUGH OPENING
CPT. OR C.	CARPET	HVAC.	HEATING/VENTILATING/AIR CONDITIONING	RBL.	RUBBLE
CSTM.	CASEMENT	HD.	HEAVY DUTY	SCH.	SCHEDULE
C.I.	CAST IRON	HGT. OR HT.	HEIGHT	SNT.	SEALANT
CIP. CONC.	CAST-IN-PLACE CONCRETE	H.C.	HOLLOW CORE	STG.	SEATING
C.B.	CATCH BASIN	H.M.	HOLLOW METAL	SEC.	SECTION
CK.	CAULKING (CALKING)	HORZ.	HORIZONTAL	SHTG.	SHADING
CLG.	CEILING	HB.	HOSE BIBB	SHT.	SHED
CEM.	CEMENT	ID.	INSIDE DIAMETER	SH.	SHELF, SHELVING
CM.	CENTIMETER(S)	INS.	INSULATED(XON)	SIM.	SIMILAR
CER.	CERAMIC	INT.	INTERIOR	SKL.	SKYLIGHT
CT.	CERAMIC TILE	JT.	JOINT	SL.	SLEEVE
CHAM.	CHAMFER	JST.	JOIST	SC.	SOLID CORE
CIR.	CIRCLE	KIT.	KITCHEN	SPC.	SPACER
CLR.	CIRCUMFERENCE	KO.	KNOCKOUT	SPKR.	SPEAKER
CLS.	CLEARANCE	LAM.	LAMINATED	SPEC.	SPECIFICATIONS
COL.	CLOSURE	LP.	LAMINATED PLASTIC	SQ.	SQUARE
COMB.	COLLAR	LAV.	LAVATORY	SS.	STAINLESS STEEL
CONC.	COMBINATION	LT.	LIGHT	STD.	STANDARD
CMU.	CONCRETE MASONRY UNIT	LTL.	LINTEL	STL.	STEEL
CX.	CONNECTION	LL.	LIVE LOAD	STO.	STORAGE
CONSTR.	CONSTRUCTION	LIV.	LIVING	STR.	STRUCTURAL
CONT.	CONTINUOUS	LVR.	LOUVER	SUSPENDED	SUSPENDED
CONTR.	CONTRACTOR	MH.	MANHOLE	TEL.	TELEPHONE
C.J.	CONTROL OR CONSTRUCTION JOINT	MFR.	MANUFACTURE(R)	TV.	TELEVISION
CORR.	CORRUGATED	MAS.	MASONRY	THK.	THICKNESS
CTR.	COUNTER	MO.	MASONRY OPENING	THR. OR THLD.	THRESHOLD
CRS.	COURSES(S)	MATL.	MATERIAL	TIG.	TONGUE AND GROOVED
CF.	CUBIC FOOT	MAX.	MAXIMUM	T.O.C.	TOP OF CONCRETE
C.Y.	CUBIC YARD	MECH.	MECHANICAL	T.O.F.	TOP OF FOUNDATION
DP.	DAMP-PROOFING	MC. OR MED.CAB.	MEDICINE CABINET	TR.	TREAD
D.L.	DEAD LOAD	MMB.	MEMBRANE	TP.	TYPICAL
DEP.	DEPRESSED	MET. OR MTL.	METAL	UC.	UNDERCUT
DET. OR DTL.	DETAIL	M.	METER	UF.	UNFINISHED
DIA. OR ?	DIA METER	M.	MILLIMETER	V.B.	VAPOR BARRIER
DIM.	DI MENSION	MIN.	MINIMUM	VERT.	VERTICAL
DW.	DISH WASHER	MIR.	MIRROR	VIN. OR V.	VINYL
DR.	DOOR	MIS.	MISCELLANEOUS	VT.	VINY TILE
D.H.	DOUBLE HUNG	MOD.	MODULAR	W>	WAINGR
ELEC.	ELECTRICAL	MLD.	MOLDING, MOULDING	WTW.	WALL TO WALL
D.S.	DOWNSPOUT	OC.	ON CENTER	WH.	WALL HUNG
EP.	ELECTRICAL PANEL	MT.	MONTEDED(XING)	WF.	WIDE FLANGE
D.	DRAIN	OA.	OVERALL	WC.	WATER CLOSET
EL.	ELEVATION	MILL.	MILLION	WO.	WITHOUT
DT.	DRAIN TILE	OH. OR O'HEAD.	OVERHEAD	WP.	WATER PROOFING
EQ.	EQUAL	NL.	NAILABLE	WD.	WOOD
DUR.	DRAILER	PNT.	PAINTED	WR.	WATER RESISTANT
EST.	ESTIMATE	NOM.	NOMINAL	WI.	WROUGHT IRON
DUG.	DRAUNG	PNL.	PANEL	WWM.	WELDED WIRE MESH
EXH.	EXHAUST	N.I.C.	NOT IN CONTRACT	W.	WIDTH, WIDE
EF. OR EAF.	EACH FACE	PAR.	PARALLEL	WN.	WINDOW
		NTS.	NOT TO SCALE		

REVISION LOG		
6/10/22	1.0	CREATED LOT SPECIFIC PLAN ELEVATION DT GARAGE LEFT

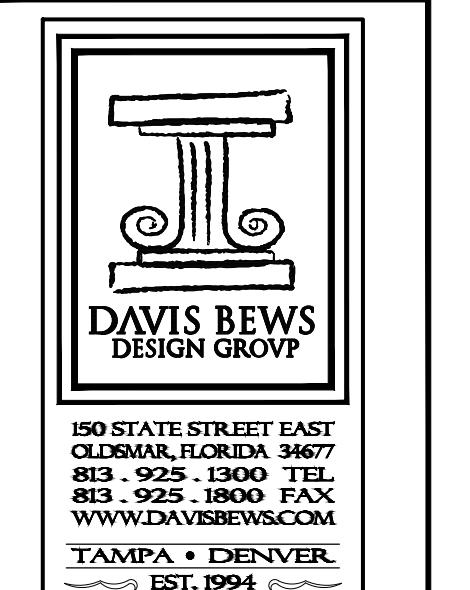
LOT 5221 TWIN RIVERS 50
14310 17TH CT E
PARRISH, FL 34219



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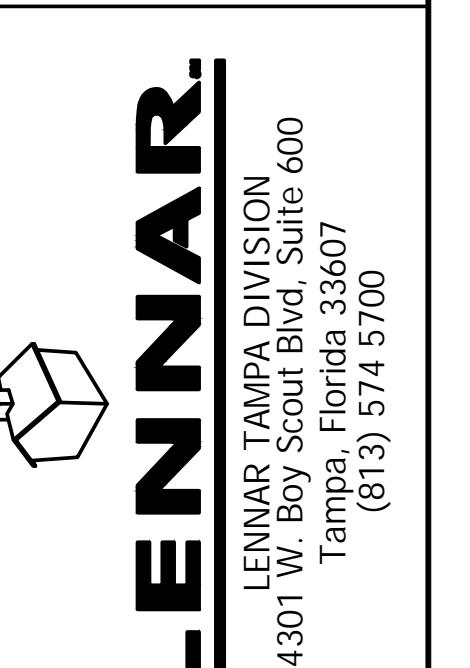
2125 - LEFT

INDEX OF DRAWINGS	
SHT. NO.	DESCRIPTION
CS	COVER SHEET
1	FLOOR PLANS
2	INTERIOR ELEVATIONS
3	EXTERIOR ELEVATIONS
4	ELECTRICAL PLANS
5	ROOF PLANS
6	FOUNDATION PLANS
7	ROOF FRAMING PLANS
8	LINTEL PLAN AND DETAILS
SN	STRUCTURAL NOTES
SN1	DETAILS
S3	DETAILS
S4	DETAILS
S5	DETAILS
SS	RETROFIT DETAILS
WP	WATERPROOFING DETAILS
PA1.0	PRODUCT APPROVAL NUMBERS
PA1.1	PRODUCT APPROVAL NUMBERS
PA1.2	PRODUCT APPROVAL NUMBERS
PA1.3	PRODUCT APPROVAL NUMBERS
PA1.4	PRODUCT APPROVAL NUMBERS
SH 1.0-1.5	HURRICANE SHUTTERS

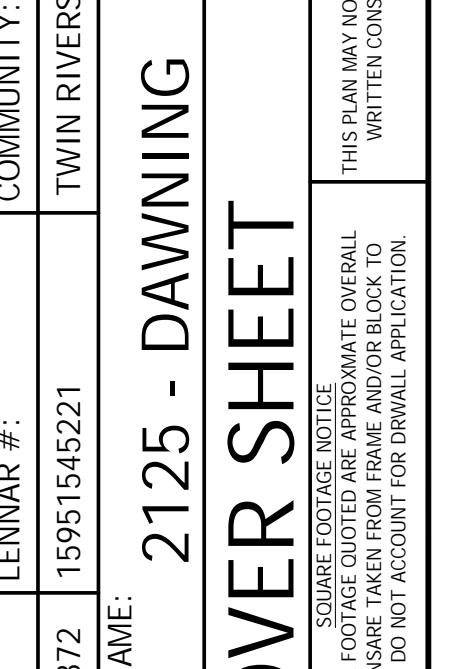


DAVIS BEWS
DESIGN GROUP
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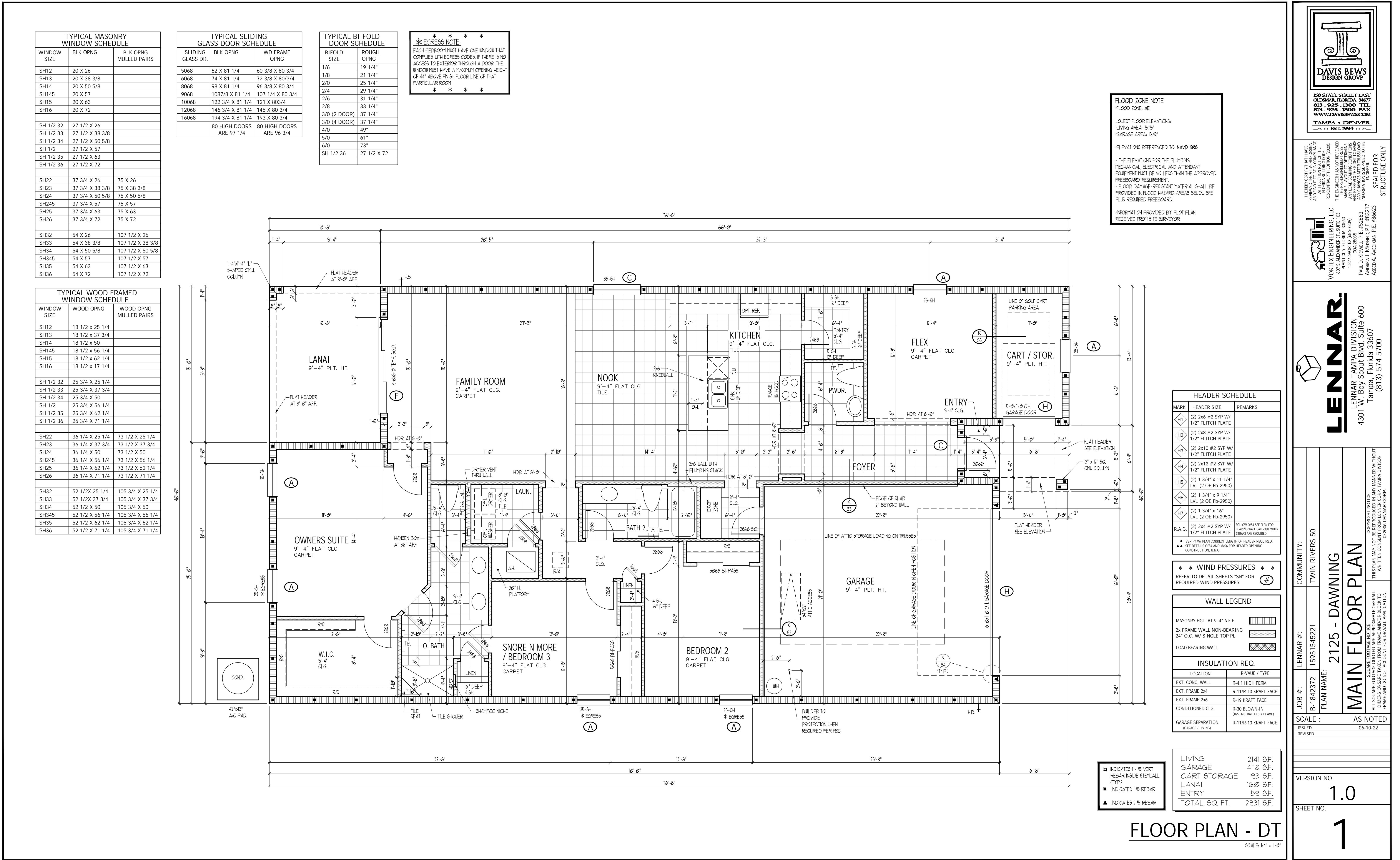
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LENNAAR DIVISION
4301 W. Boy Scout Blvd, Suite 600
Tampa, Florida 33267
(813) 574-5700



COVER SHEET

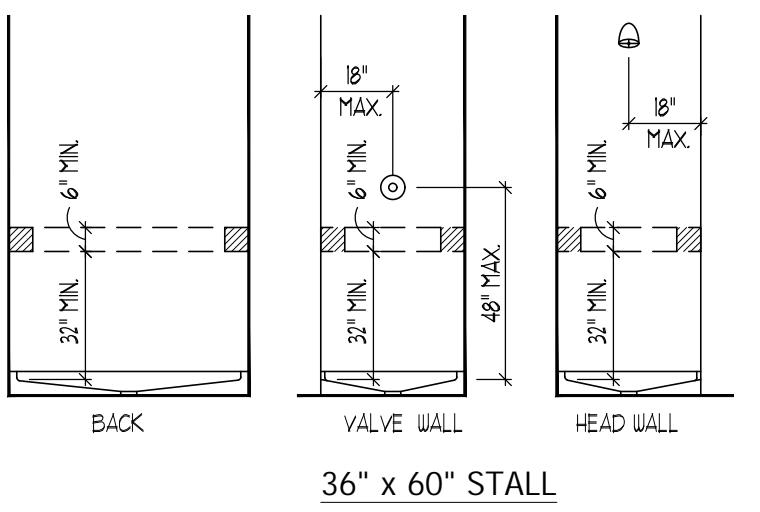
SQUARE FOOTAGE ARE NOT APPROPRIATE FOR DRAWING APPLICATION
ALL SIZES AND AREAS ARE APPROXIMATE OVERALL
FRAME AND DO NOT ACCOUNT FOR DRAWAL APPLICATION

VERSION NO.
1.0
SHEET NO.
CS



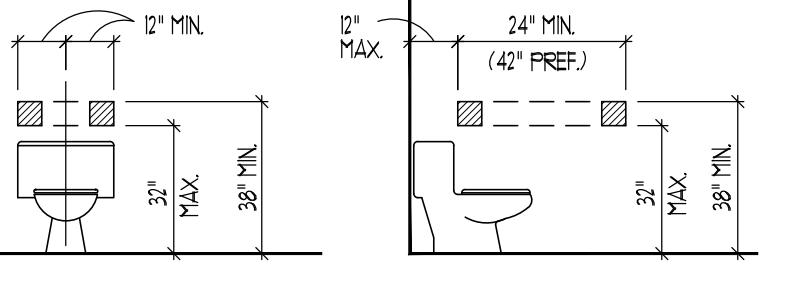


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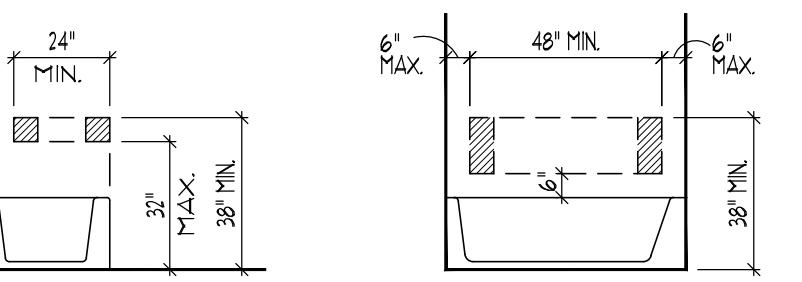


36" x 60" STALL

FOR ADAPTABLE SHOWERS



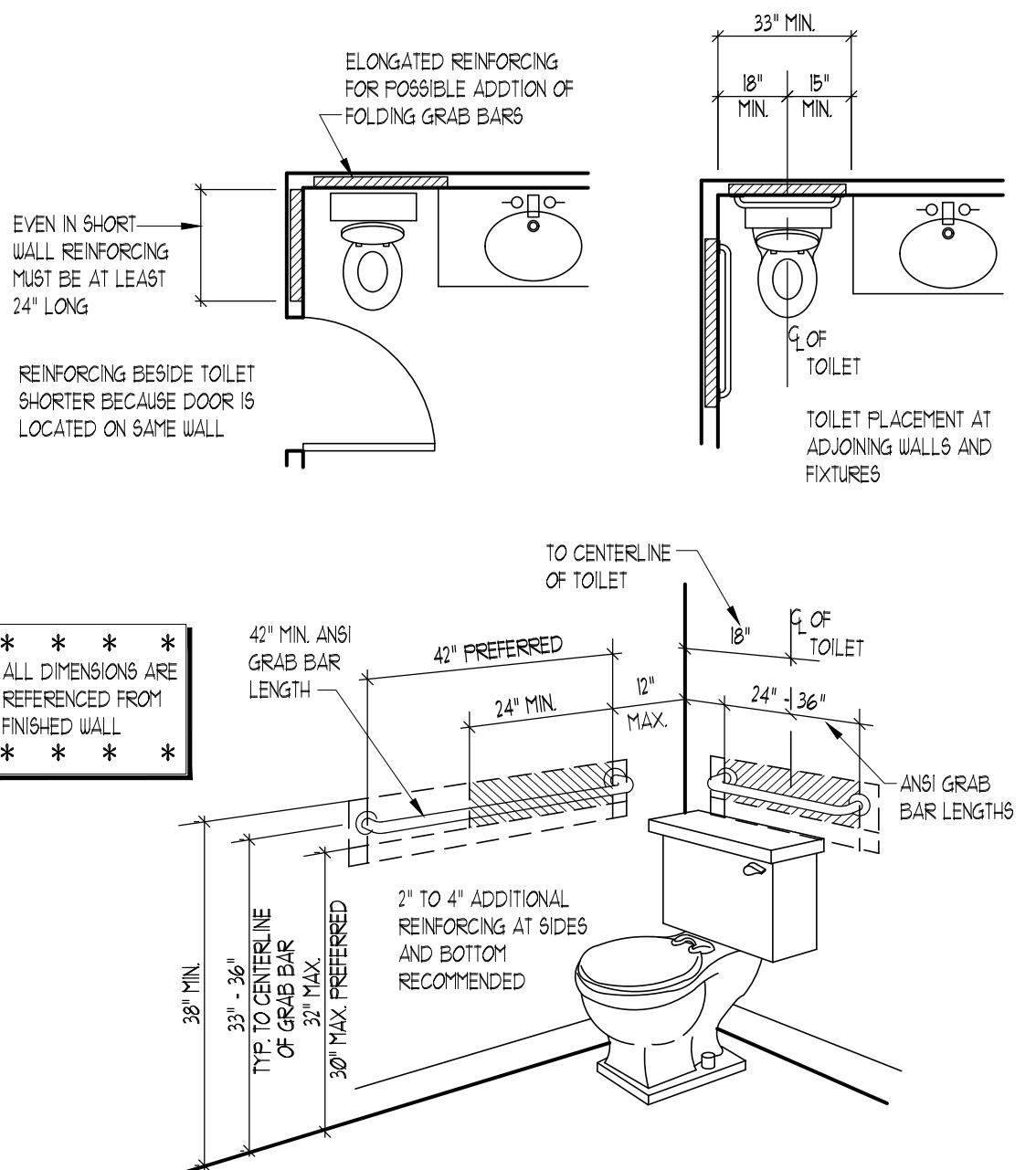
FOR WATER CLOSETS IN
ADAPTABLE BATHROOMS



FOR ADAPTABLE BATHTUBS

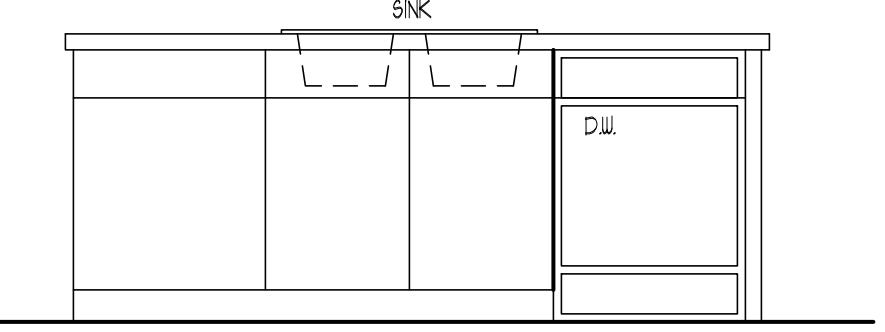
LOCATION OF GRAB BAR
REINFORCEMENTS

NOTE: THE AREAS OUTLINED IN DASHED LINES REPRESENTS LOCATIONS FOR FUTURE INSTALLATION OF GRAB BARS: REINFORCING IS NEEDED AT SHADDED ENDS OF EACH AREA TO MOUNT GRAB BARS.

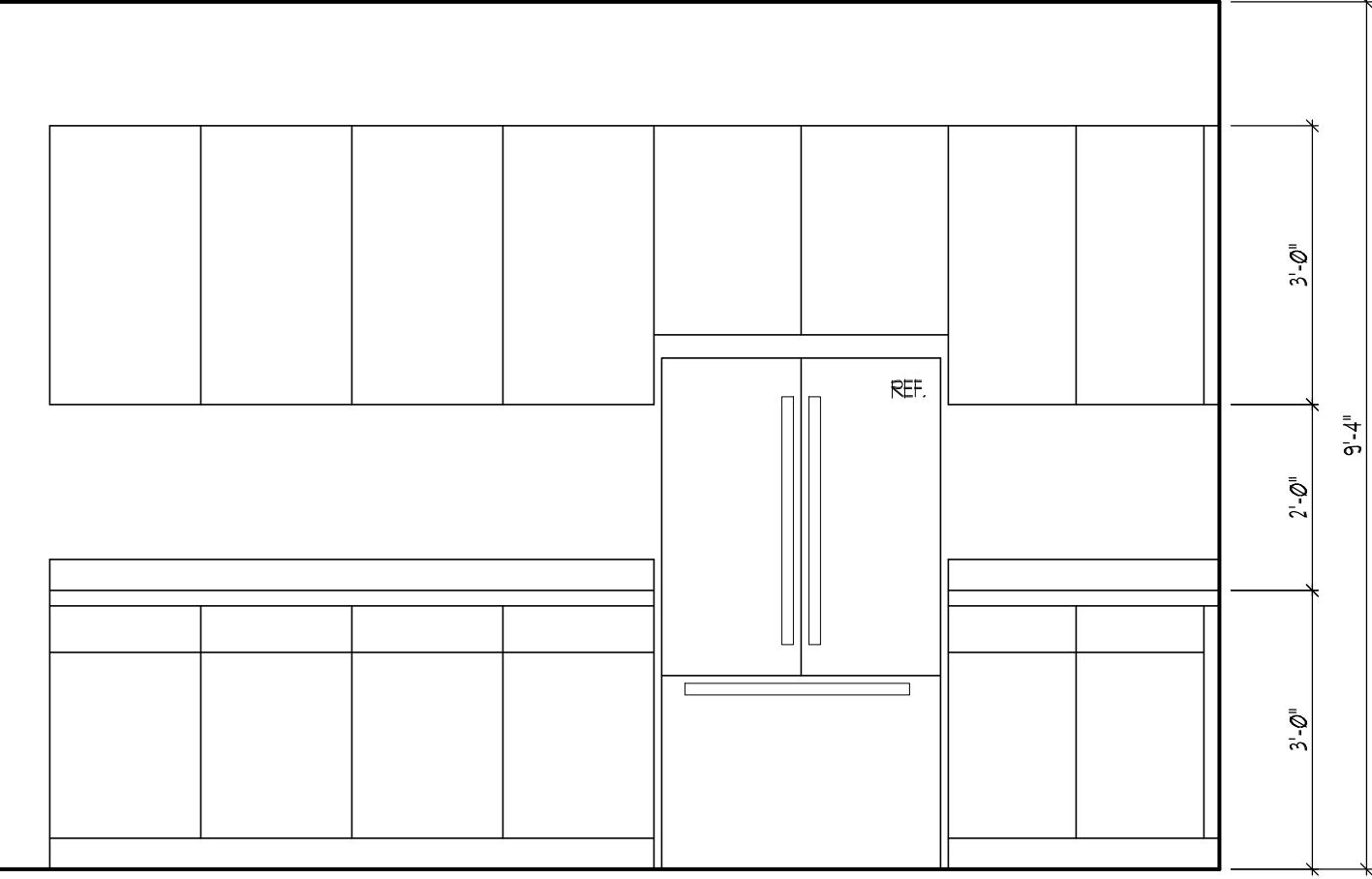


REINFORCING AT TOILETS WITH
ADJACENT WALLS

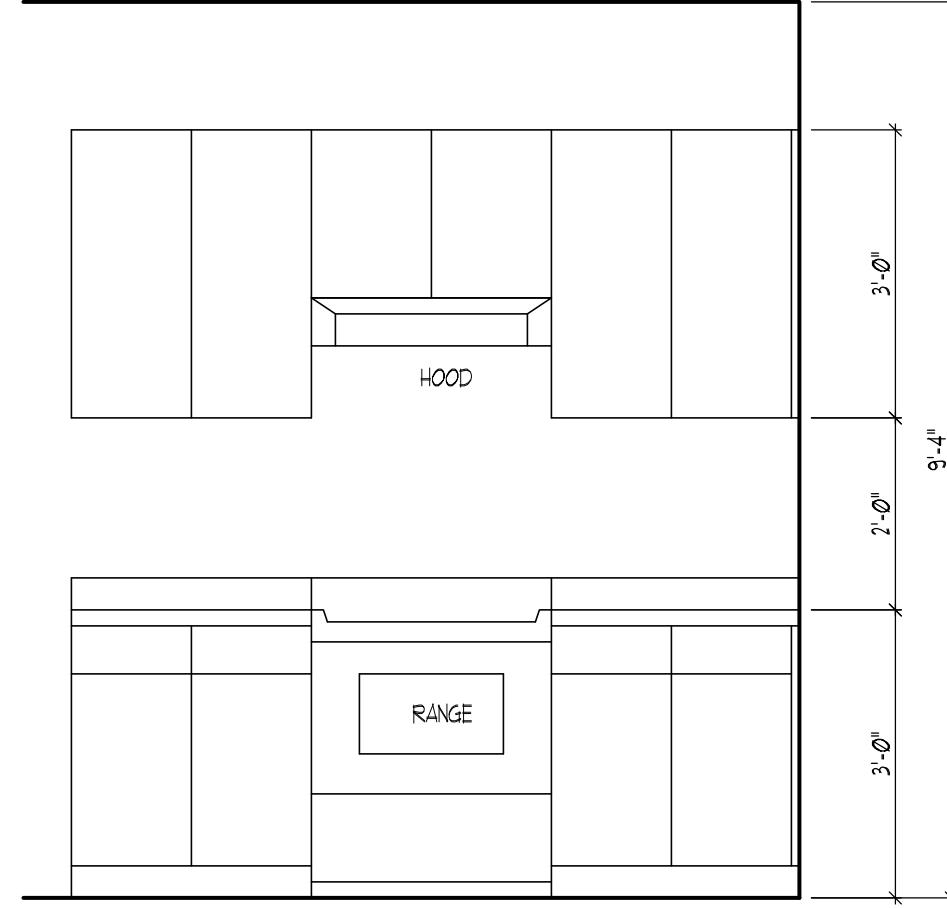
ANSI GRAB BAR LENGTHS SHOWN FOR REFERENCE ONLY



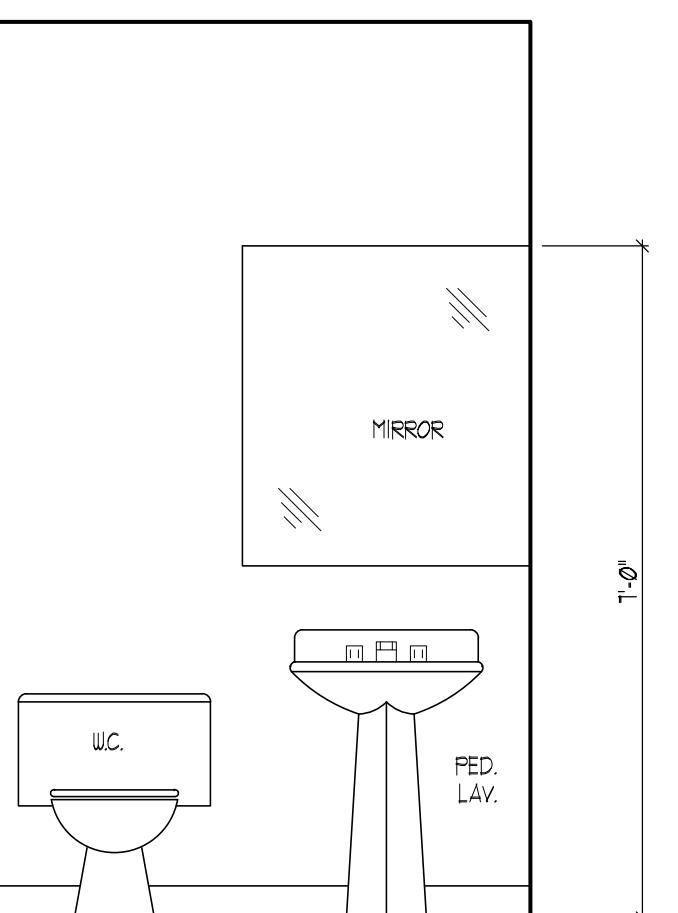
KITCHEN ISLAND



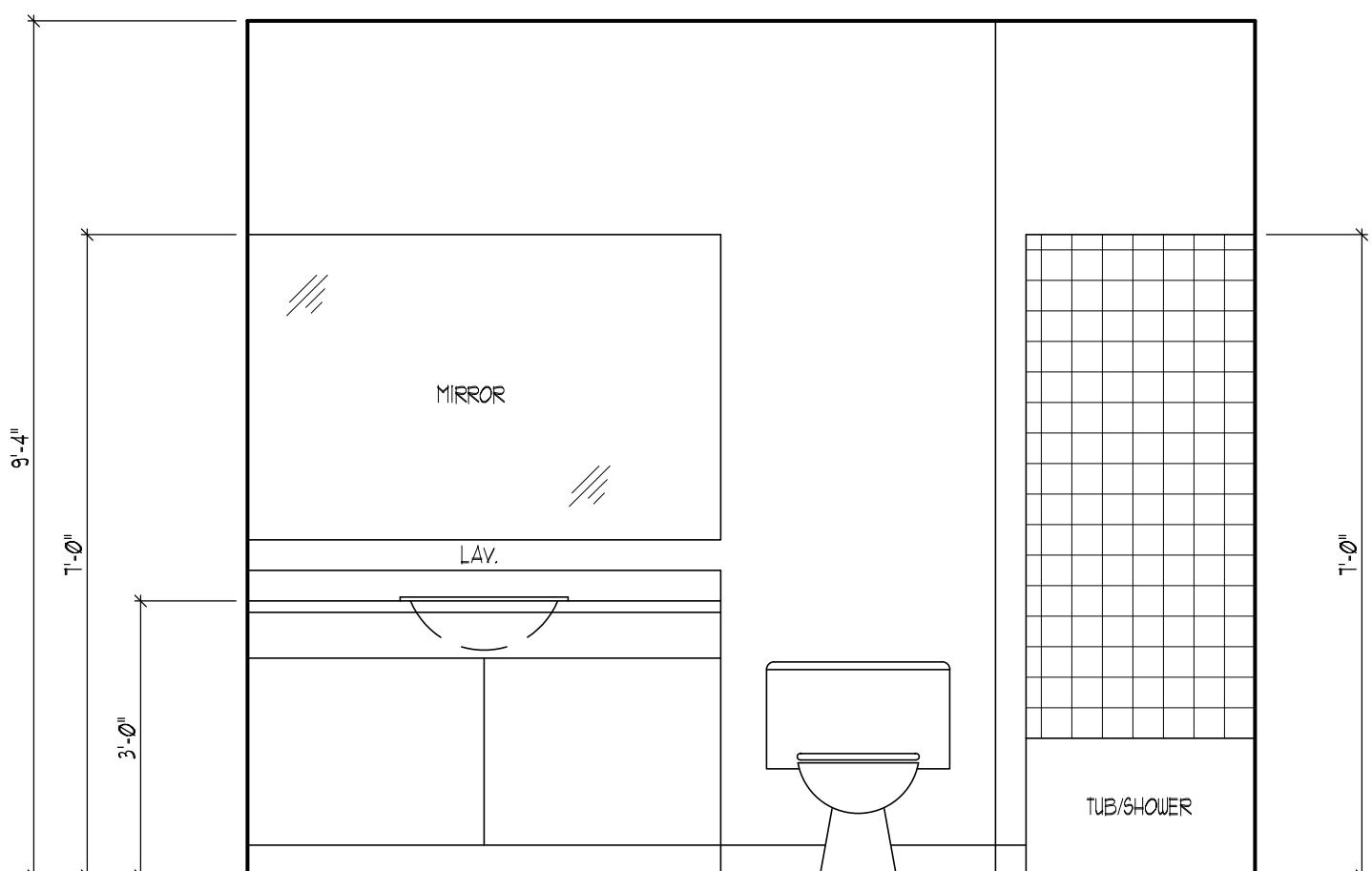
KITCHEN



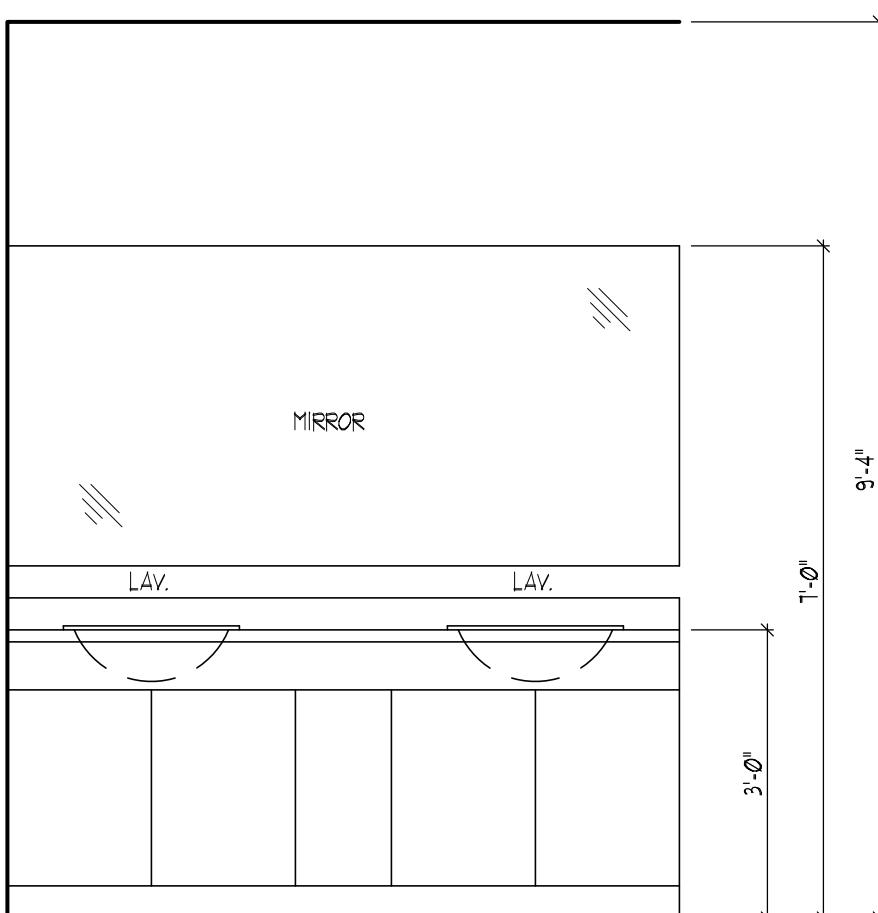
KITCHEN



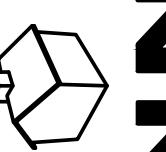
POWDER BATH



BATH 2



OWNERS BATH



LENNAR

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Tampa, Florida 33260
(813) 574-5700

INTERIOR ELEVATIONS		COMMUNITY:
JOB #:	LENNAR #:	TWIN RIVERS 50
PLAN NAME:		
SCALE :	AS NOTED	
ISSUED	06-10-22	
REVISED		
VERSION NO.	1.0	
SHEET NO.	2	

SQUARE FOOTAGE NOTICE
ALL SQUARE FOOTAGE QUOTED ARE APPROXIMATE OVERALL
AREA AND DO NOT ACCOUNT FOR DRAWN APPLICATION
FRAME OR ANY OTHER AREA WHICH MAY BE CUT OUT.
THIS PLAN MAY NOT BE REPRODUCED BY ANY MANUFACTURER WITHOUT
WRITTEN CONSENT © 2008 LENNAR CORP.

INTERIOR ELEVATIONS

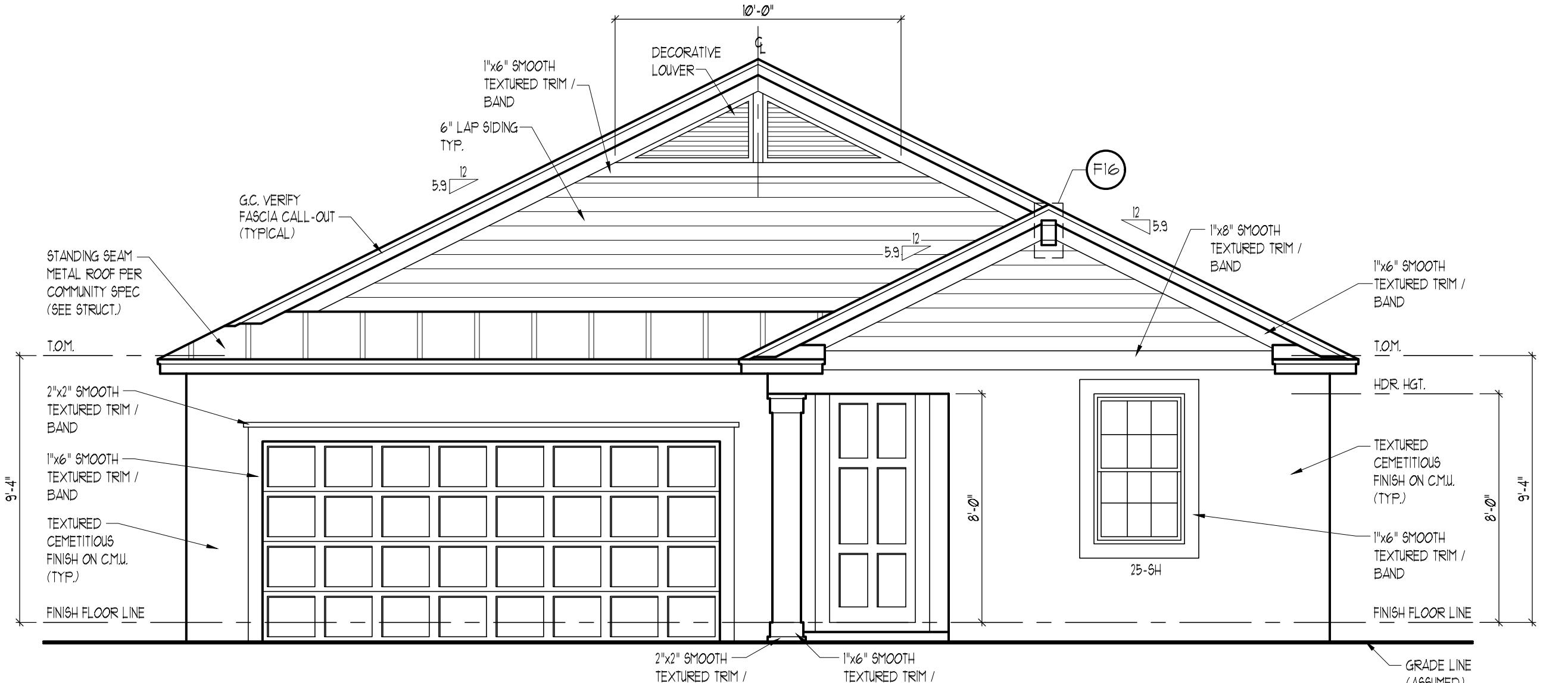
SCALE: 1/2" = 1'-0"



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I HEREBY CERTIFY THAT I HAVE
REVIEWED THE DRAWINGS AND SPECIFICATIONS
AS INDICATED TO BE INCORPORATED
WITH SECTION 10 OF THE
RESIDENTIAL EDITION (2000)
THE ENGINEER HAS NOT BEEN TRUSTED
TO MAKE BEARING CERTAIN THAT THE
DRAWINGS ARE IN ACCORDANCE WITH
THE PLANS AND DATA BEARING THEREON.
AND TO SERVE THE BEST TO THE
ENGINEER'S KNOWLEDGE, CONVENTION,
AND PRACTICE.
INFORMATION IS SUPPLIED BY THE
ENGINEER.

SEALED FOR
STRUCTURE ONLY

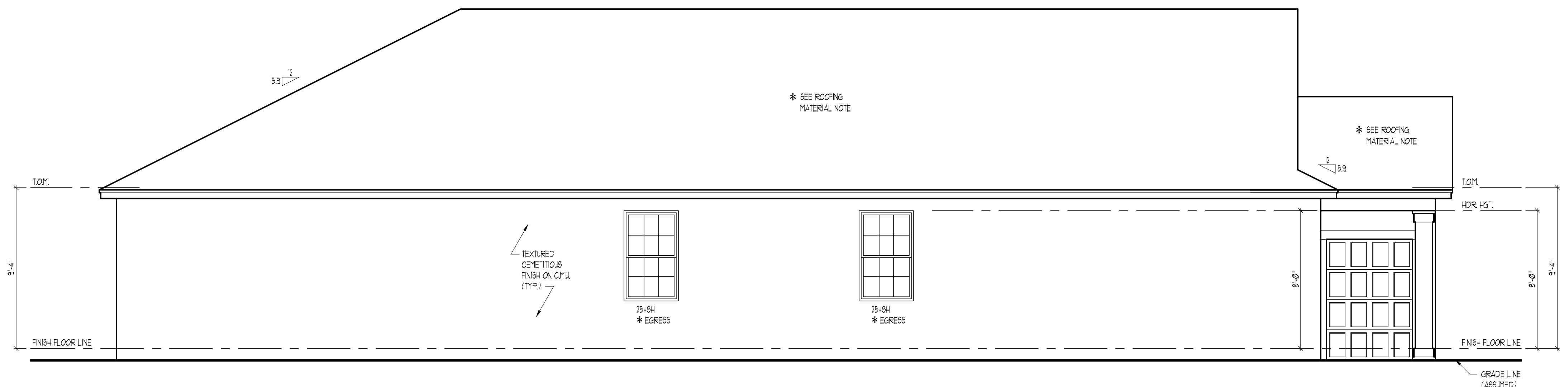


FLOOD ZONE NOTE
FLOOD ZONE: AE
LOWEST FLOOR ELEVATIONS:
LIVING AREA: 15'-11"
GARAGE AREA: 15'-4"
ELEVATIONS REFERENCED TO NAVD 1988
- THE ELEVATIONS FOR THE PLUMBING,
MECHANICAL, ELECTRICAL AND ATTENDANT
EQUIPMENT MUST BE NO LESS THAN THE APPROVED
FREEBOARD REQUIREMENT.
- FLOOD DAMAGE-RESISTANT MATERIAL SHALL BE
PROVIDED IN FLOOD HAZARD AREAS BELOW EFE
PLUS REQUIRED FREEBOARD.
INFORMATION PROVIDED BY FLOT PLAN
RECEIVED FROM SITE SURVEYOR

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LEFT ELEVATION - DT

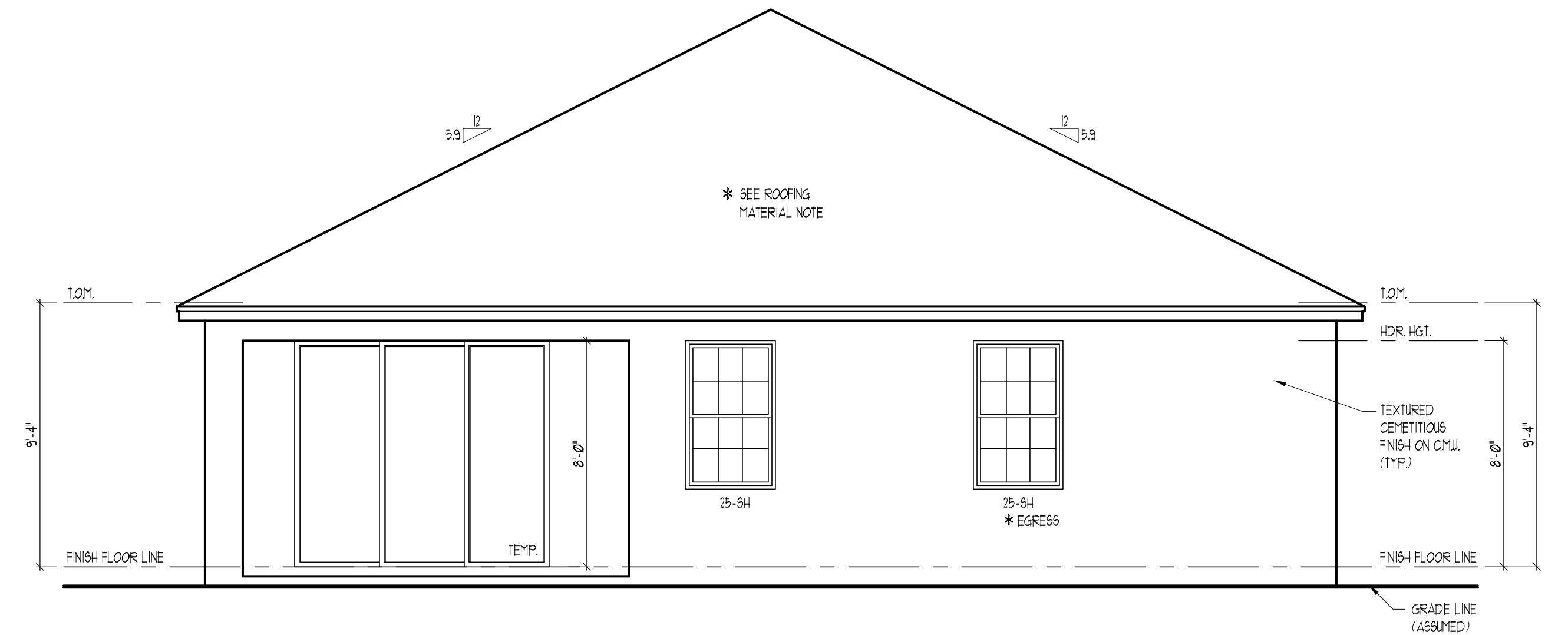
SCALE: 1/4" : 1'-0"



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REVIEWED THE DRAWINGS AND SPECIFICATIONS
AS INDICATED TO BE INCORPORATED
WITH SECTION 10 OF THE
RESIDENTIAL EDITION (2000)
THE ENGINEER HAS NOT REVISED
THE PRE-ENGINEERED TRUSS
AND CANTILEVER SYSTEMS
AND CAN BEARING CONSTRUCTION
AND SERVES THE RIGHT TO MAKE
ANY CHANGES IN THE DESIGN
IN ACCORDANCE WITH THE
INFORMATION PROVIDED BY THE
ENGINEER.

SEALED FOR
STRUCTURE ONLY



REAR ELEVATION - DT

SCALE: 1/4" = 1'-0"

FLOOD ZONE NOTE

FLOOD ZONE: AE
LOWEST FLOOR ELEVATIONS:
• LIVING AREA: 15'10"
• GARAGE AREA: 15'4"

ELEVATIONS REFERENCED TO NAVD 1988

- THE ELEVATIONS FOR THE PLUMBING, MECHANICAL, ELECTRICAL AND ATTENDANT EQUIPMENT MAY BE NO LESS THAN THE APPROVED FREEBOARD REQUIREMENT.
- FLOOD DAMAGE RESISTANT MATERIAL SHALL BE PROVIDED IN FLOOD HAZARD AREAS BELOW ELEVATION PLUS REQUIRED FREEBOARD.

INFORMATION PROVIDED BY PLOT PLAN
RECEIVED FROM SITE SURVEYOR.

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Tampa, Florida 33607
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REAR AND SIDE ELEVATIONS

SQUARE FOOTAGE NOTICE
ALL SQUARE FOOTAGE QUOTED ARE APPROXIMATE OVERALL
AREA AND DO NOT ACCOUNT FOR DRAWDOWNS, PORCHES,
WALKWAYS, ETC.

PLAN NAME:

2125 - DAWNING

COMMUNITY:

TWIN RIVERS 50

JOB #:

LENNAR #:

15951545221

PLAN NAME:

B-1842372

SCALE :

AS NOTED

ISSUED

06-10-22

REVISED

06-10-22

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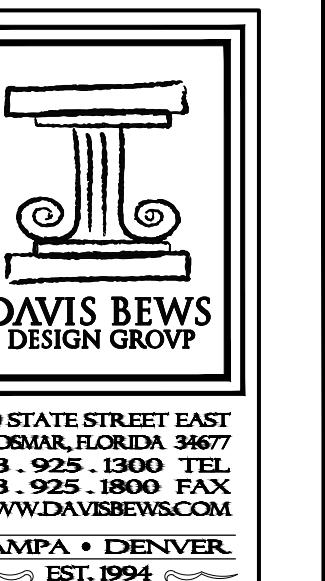
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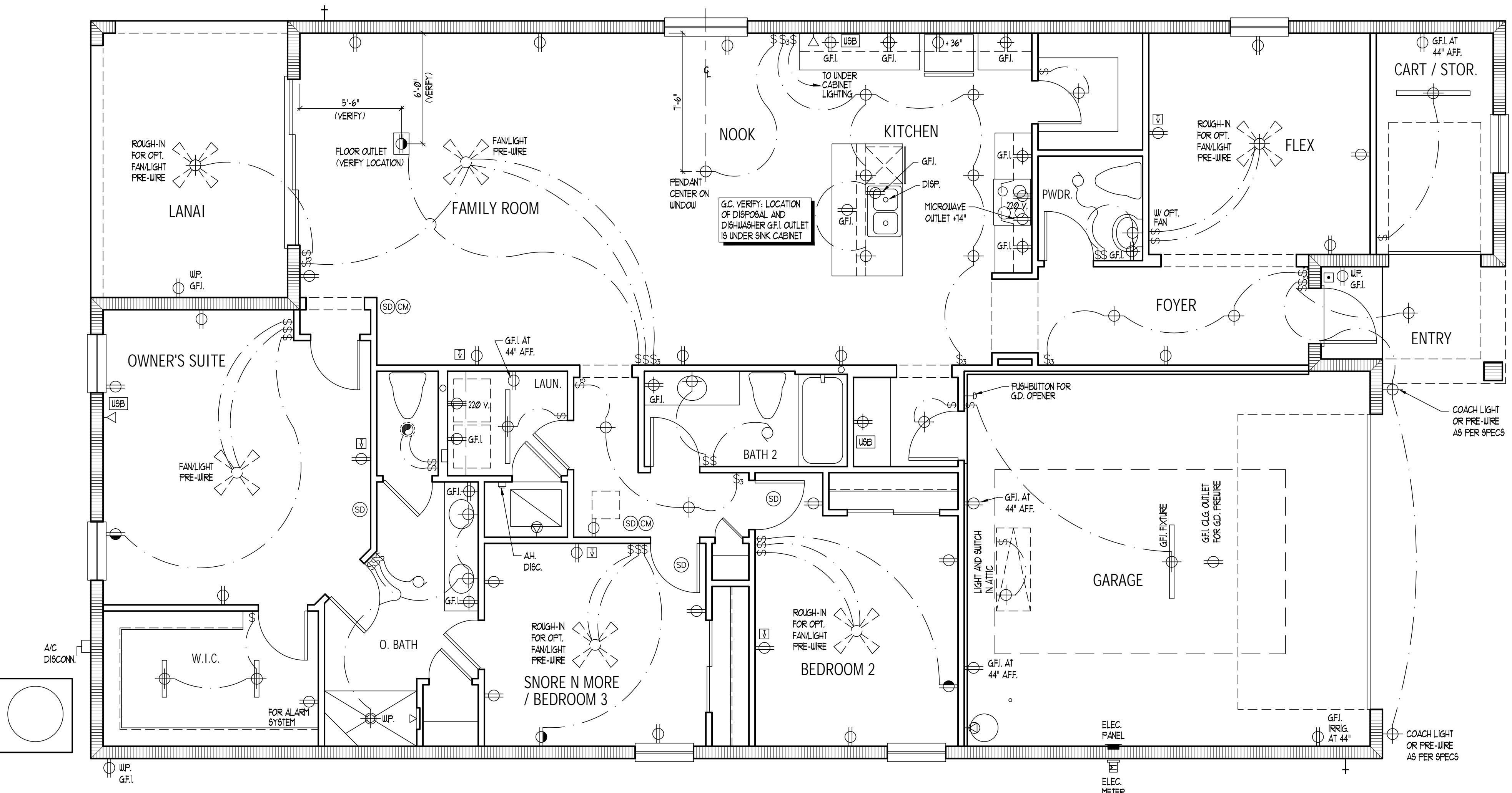
ELECTRICAL KEY

	DUPLEX CONVENIENCE OUTLET
	DUPLEX OUTLET ABOVE COUNTER
	WEATHERPROOF DUPLEX OUTLET
	GROUND FAULT INTERRUPTER DUPLEX OUTLET
	FLAT COUNTERTOP "POP-UP" GROUND FAULT INTERRUPTER DUPLEX OUTLET
	HALF-SWITCHED DUPLEX OUTLET
	SPECIAL PURPOSE OUTLET
	DUPLEX OUTLET IN FLOOR
	220 VOLT OUTLET
	WALL SWITCH
	THREE-WAY SWITCH
	FOUR-WAY SWITCH
	DIMMER SWITCH
	CEILING MOUNTED LIGHT FIXTURE
	WALL MOUNTED LIGHT FIXTURE
	RECESSED LIGHT FIXTURE
	LIGHT FIXTURE WITH PULL CHAIN
	TRACK LIGHT
	FLUORESCENT LIGHT FIXTURE
	JUNCTION BOX (CAPPED)
	CENTRAL VACUUM PORT
	CENTRAL VACUUM MOTOR
	CAMERA
	ALARM PANEL
	SECURITY KEYPAD
	MOTION DETECTOR
	EXHAUST FAN
	EXHAUST FANLIGHT COMBINATION
	ELECTRIC DOOR OPERATOR
	CHIMES
	PUSHBUTTON SWITCH
	CARBON MONOXIDE DETECTOR
	SMOKE DETECTOR (ARC-FAULT)
	SMOKE / CARBON MONO. COMBO DETECTOR (ARC-FAULT)
	TELEPHONE
	TELEVISION
	THERMOSTAT
	ELECTRIC METER
	ELECTRIC PANEL
	DISCONNECT SWITCH
	SPEAKER
	ROUGH-IN FOR OPT. CEILING FAN
	CEILING MOUNTED LIGHT FIXTURE W/ ROUGH-IN FOR OPT. CEILING FAN

NOTES

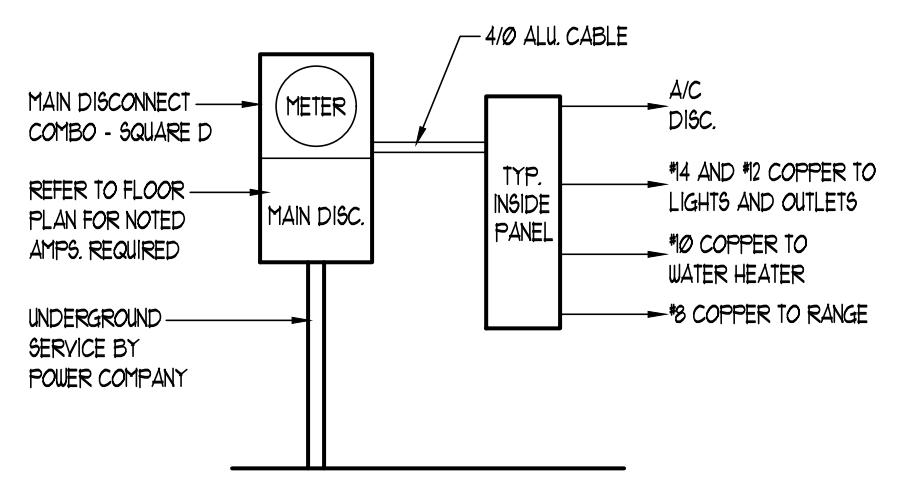
- NOTE:**

 - I. PROVIDE AND INSTALL GROUND FAULT CIRCUIT-INTERRUPTERS (G.F.I.) AS INDICATED ON PLANS OR AS ITEM NO. 4 AND 5 BELOW INDICATES.
 2. UNLESS OTHERWISE INDICATED, INSTALL SWITCHES AND RECEPTACLES AT THE FOLLOWING HEIGHTS ABOVE FINISHED FLOOR:
SWITCHES. . . . 42"
OUTLETS. . . . 14"
TELEPHONE. . . 14" (UNLESS ABV COUNTERTOP)
TELEVISION. . . 14"
 3. ALL SMOKE DETECTORS SHALL BE HARDWIRED INTO AN ELECTRICAL POWER SOURCE AND SHALL BE EQUIPPED WITH A MONITORED BATTERY BACKUP. PROVIDE AND INSTALL LOCALLY CERTIFIED SMOKE DETECTORS.
 4. ALL 15A AND 20A RECEPTACLES IN KITCHENS, SLEEPING ROOMS, FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DENS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS, UTILITY ROOMS AND SIMILAR AREAS WILL REQUIRE A COMBINATION TYPE AFCI DEVICE AND TAMPER-PROOF RECEPTACLES PER N.E.C. 2017 406.12 AND 406.13
 5. ALL 15A AND 20A 125V RECEPTACLES LOCATED IN THE GARAGE AND UTILITY ROOMS SHALL BE G.F.C.I. PROTECTED (G.F.I.).
 6. IT IS THE RESPONSIBILITY OF THE LICENSED ELECTRICIAN TO ENSURE THAT ALL ELECTRICAL WORK IS IN FULL COMPLIANCE WITH N.F.P.A. 70, N.E.C. 2017, F.B.C.R - 11TH EDITION (2020), AND ALL APPLICABLE LOCAL STANDARDS, CODES, AND ORDINANCES.
 7. EVERY BUILDING HAVING A FOSSIL-FUEL-BURNING HEATER OR APPLIANCE, FIREPLACE, OR AN ATTACHED GARAGE SHALL HAVE AN OPERATIONAL CARBON MONOXIDE DETECTOR INSTALLED WITHIN 10 FEET OF EACH ROOM USED FOR SLEEPING PURPOSES.
 8. ALARMS SHALL RECEIVE THEIR PRIMARY POWER FROM THE BUILDING WIRING WHEN SUCH WIRING IS SERVED FROM THE LOCAL POWER UTILITY. SUCH ALARMS SHALL HAVE BATTERY BACKUP. COMBINATION SMOKE/CARBON MONOXIDE ALARMS SHALL BE LISTED OR LABELED BY A NATIONALLY RECOGNIZED TESTING LABORATORY.



ELECTRICAL RISER DIAGRAM

NOTE:
ELECTRICAL MATERIALS AND INSTALLATIONS SHALL
COMPLY W/ APPLICABLE PROVISIONS OF THE NATIONAL
ELEC. CODE, LOCAL CODES, AND THE LOCAL POWER COMPANY.



FLOOD ZONE NOTE
FLOOD ZONE AF

*FLOOD ZONE: AE
LOWEST FLOOR ELEVATIONS:
*LIVING AREA: 15.75'

GARAGE AREA: 15.42'

- THE ELEVATIONS FOR THE PLUMBING, MECHANICAL, ELECTRICAL AND ATTENDANT EQUIPMENT MUST BE NO LESS THAN THE APPROVED FREEBOARD REQUIREMENT.
- FLOOD DAMAGE-RESISTANT MATERIAL SHALL BE PROVIDED IN FLOOD HAZARD AREAS BELOW BFE PLUS REQUIRED FREEBOARD.

• INFORMATION PROVIDED BY PLOT PLAN RECEIVED FROM SITE SURVEYOR

JOB #:	LENNAR #:	COMMUNITY:
B-1842372	15951545221	TWIN RIVERS 50
PLAN NAME:	2125 - DAWNING	
SCALE :	AS NOTED	
ISSUED	06-10-22	
REVISED		
VERSION NO.		
1.0		
SHEET NO.		
4		
SQUARE FOOTAGE NOTICE ALL SQUARE FOOTAGE QUOTED ARE APPROXIMATE OVERALL DIMENSIONS ARE TAKEN FROM FRAME AND/OR BLOCK TO FRAME AND DO NOT ACCOUNT FOR DRWALL APPLICATION.	COPYRIGHT NOTICE THIS PLAN MAY NOT BE REPRODUCED IN ANY MANNER WITHOUT WRITTEN CONSENT FROM LENNER CORP. TAMPA DIVISION © 2005 LENNAR CORP.	

ELECTRICAL PLAN - DT

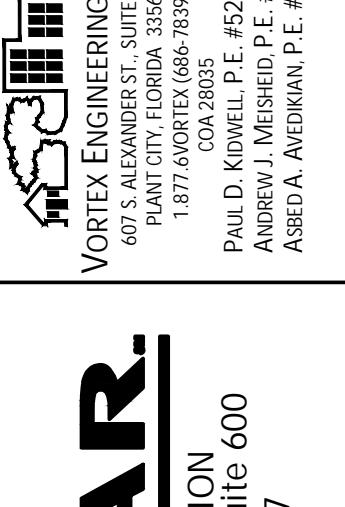
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REVIEWED THE ROOFING SECTION OF THE
DRAWINGS AND SPECIFICATIONS
AS SHOWN ON THIS SHEET.
I AGREE TO BE IN COMPLIANCE
WITH THE REQUIREMENTS OF THE
RESIDENTIAL EDITION (2000)
THE PRE-ENGINEERED TRUSS
MANUFACTURER'S DRAWINGS
AND DATA BEARING CONCERNING
THE DESIGN AND CONSTRUCTION
AND SERVE THE BRIGHT TO DARK
INFORMATION IS SUPPLIED TO THE
ENGINEER.

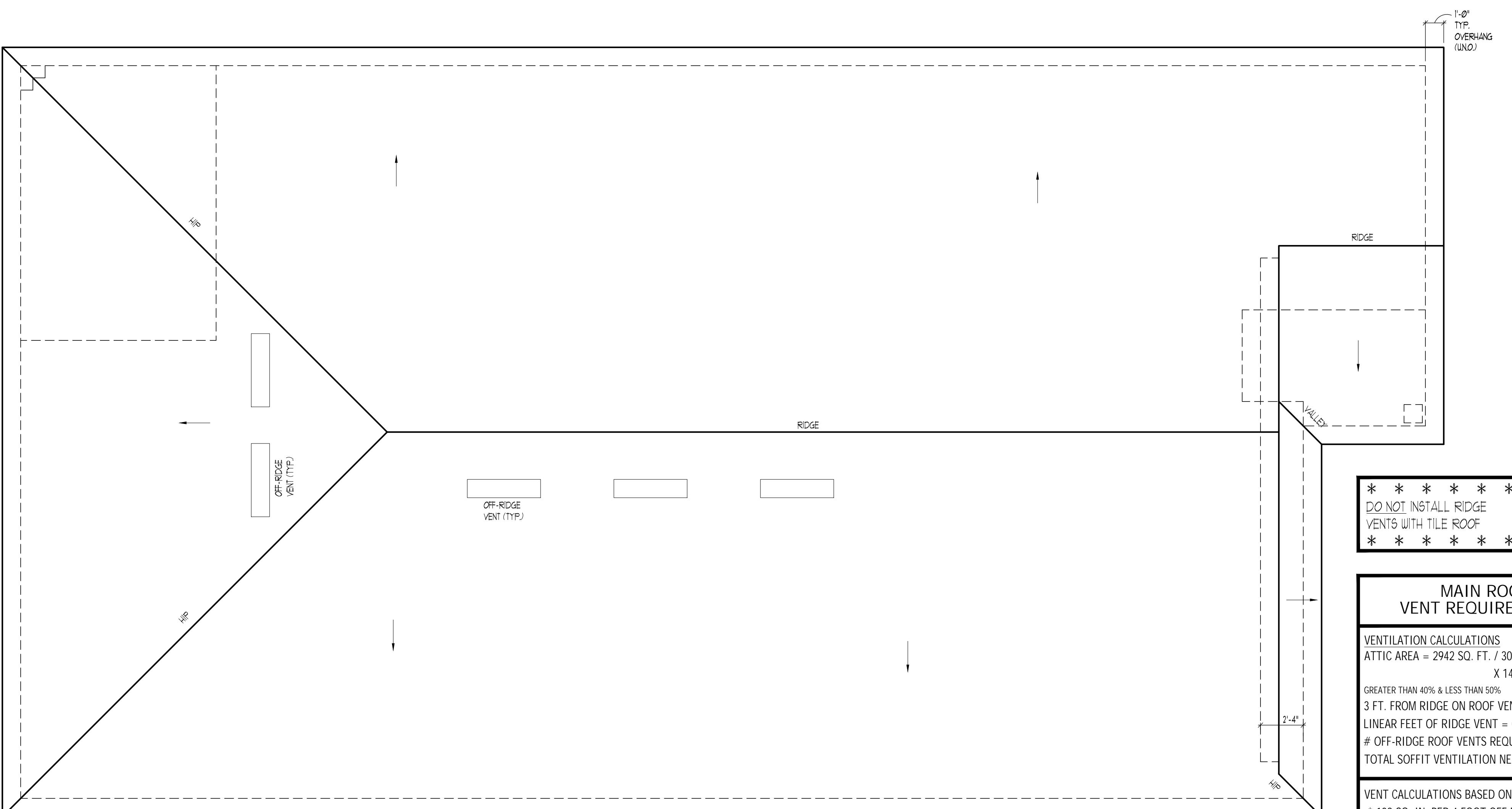
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VORTEX ENGINEERING, LLC
403 S. ALAMEDA ST., SUITE 600
PANAMA CITY, FLORIDA 32401
1.877.VORTEX (647-8739)
COA#28035
PAUL D. KOWELL, P.E. #522683
ANDREW J. MUSHLER, P.E. #632173
ASRD A. WERKMAN, P.E. #66623

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REVIEWED THE ROOFING SECTION OF THE
DRAWINGS AND SPECIFICATIONS
AS SHOWN ON THIS SHEET.
I AGREE TO BE IN COMPLIANCE
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MAIN ROOF VENT REQUIREMENTS

* * * * *

DO NOT INSTALL RIDGE VENTS WITH TILE ROOF

* * * * *

VENTILATION CALCULATIONS

ATTIC AREA = 2942 SQ. FT. / 300 = 9.81 SQ. FT.
X 144 = 1412 SQ. IN.
GREATER THAN 40% & LESS THAN 50%
3 FT. FROM RIDGE ON ROOF VENTS = 564.86 SQ. IN.
LINEAR FEET OF RIDGE VENT = 0 LINEAR FT.
OFF-RIDGE ROOF VENTS REQUIRED = 5
TOTAL SOFFIT VENTILATION NEEDED 101 SQ. FT.

VENT CALCULATIONS BASED ON THE FOLLOWING

* 138 SQ. IN. PER 4 FOOT OFF RIDGE VENT
* 16 SQ. IN. PER LINEAR FT. OF RIDGE VENT
* 7 SQ. IN. PER SQUARE FOOT OF SOFFIT VENT

* * * * *

ATTENTION GENERAL CONTRACTOR / BUILDER: IT IS THE RESPONSIBILITY OF THE BUILDER TO VERIFY THE QUANTITY OF ROOF / SOFFIT VENTILATION REQUIRED, AS WELL AS THE NET FREE AREA (NFA) PER VENT UTILIZED ABOVE BASED ON A STANDARDIZED MANUFACTURER'S SPECIFICATIONS.

* * * * *

JOB #:	LENNAR #:	COMMUNITY:
B-1842372	15951545221	TWIN RIVERS 50
2125 - DAWNING		
ROOF PLAN		

ALL SQUARE FOOTAGE ARE APPROXIMATE OVERALL
FRAME AND DO NOT ACCOUNT FOR DRAWDOWNS OR OVERHANGS.

ISSUED 06-10-22

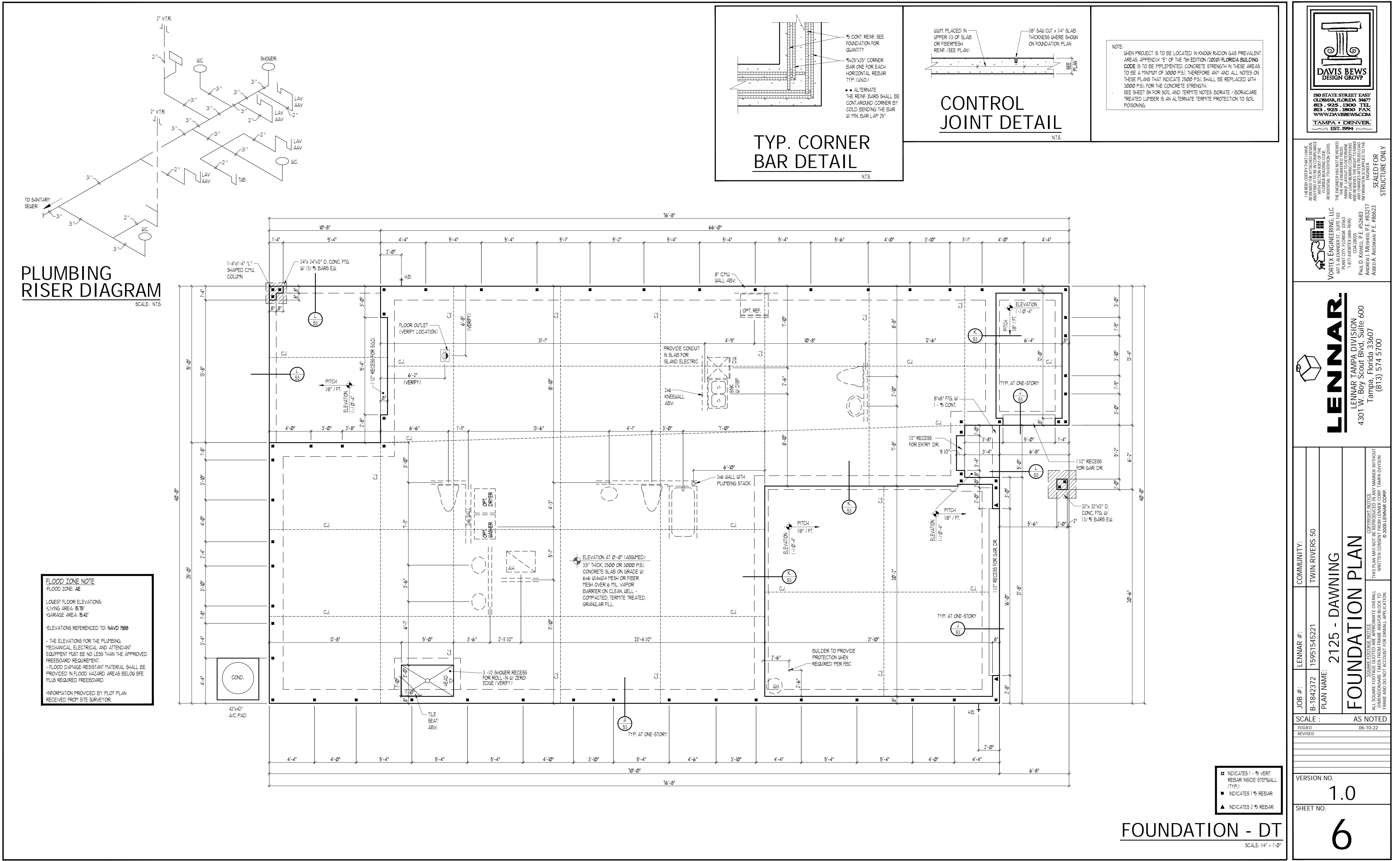
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SHEET NO.

5



SPECIFICATION FOR LEDGERS
(THE FOLLOWING SHALL APPLY UNO)

LEDGER A (LA) - 2 SYP 2x4 PT W 1/4" DIA x 3" TAPCONS AT 12" O.C. SET AT SHEATHING LEVEL FOR DIAPHRAGM EDGE NAILING (TYP. UNO AT LOWER ROOF TO UPPER WALL AT PARALLEL TRusses).
NOTE: THIS IS A REQUIRED TERMINATION FOR THE SHEATHING DIAPHRAGM, AND PROVIDES LATERAL DIAPHRAGM SUPPORT TO THE MASONRY WALL. A TRUSS SISTERED TO THE WALL IS NOT AN ACCEPTABLE SUBSTITUTE, UNLESS THAT TRUSS IS ATTACHED TO THE WALL IN LIKE MANNER TO THAT INDICATED FOR THE LEDGER (MIN).

LEDGER B (LB) - 2 SYP 2x4 W (3) Ø10" x 3-1/2" R.S. NAILS AT EA. STUD (16" O.C. MAX) SET AT SHEATHING LEVEL FOR DIAPHRAGM EDGE NAILING (TYP. UNO). NOTE: THIS IS A REQUIRED TERMINATION FOR THE SHEATHING DIAPHRAGM, AND PROVIDES LATERAL DIAPHRAGM SUPPORT TO THE MASONRY WALL. A TRUSS SISTERED TO THE WALL IS NOT AN ACCEPTABLE SUBSTITUTE, UNLESS THAT TRUSS IS ATTACHED TO THE WALL IN LIKE MANNER TO THAT INDICATED FOR THE LEDGER (MIN).

LEDGER C (LC) - 2 SYP (2) 2x8 PT W 5/8" DIA x 8" AB. AT 12" O.C. STAGGERED SET AT SHEATHING LEVEL FOR SIMPSON HU/HUC18 AT FACE ATTACHMENT OR HTS16 AT TOP CHORD BEARING AT EA. TRUSS (TYP. UNO). ALTERNATE EQUAL OR BETTER CONNECTORS ARE ACCEPTABLE.

LEDGER D (LD) - 2 SYP (2) 2x8 PT W (4) SIMPSON SDS15600 SCREWS AT EA. STUD (16" O.C. MAX) W SIMPSON HU/HUC18 AT FACE ATTACHMENT OR HTS16 AT TOP CHORD BEARING AT EA. TRUSS (TYP. UNO). ALTERNATE EQUAL OR BETTER CONNECTORS ARE ACCEPTABLE.

LEDGER E (LE) - 2 SYP (2) 2x8 PT W 5/8" DIA x 8" AB. AT 12" O.C. STAGGERED W RT4 MIN OR EQUAL AT TOP CHORD BEARING OR EQUAL AT FACE BEARING AT EA. TRUSS (TYP. UNO AT PERPENDICULAR FLOOR TRUSS SUPPORT ALONG MASONRY WALL).

LEDGER F (LF) - 2 SYP 2x8 PT W 5/8" DIA x 8" AB. AT 24" O.C. STAGGERED SET AT SHEATHING LEVEL FOR DIAPHRAGM EDGE NAILING (TYP. UNO AT FLOOR SHEATHING SUPPORT AT MASONRY OR PARALLEL FLOOR TRusses). NOTE: THIS IS A REQUIRED TERMINATION FOR THE FLOOR DIAPHRAGM, AND PROVIDES LATERAL DIAPHRAGM SUPPORT TO THE MASONRY WALL. A TRUSS SISTERED TO THE WALL IS NOT AN ACCEPTABLE SUBSTITUTE, UNLESS THAT TRUSS IS ATTACHED TO THE WALL IN LIKE MANNER TO THAT INDICATED FOR THE LEDGER (MIN).

LEDGER G (LG) - 2 SYP (1) 2x8 W (4) SIMPSON SDS15600 SCREWS AT EA. STUD (16" O.C. MAX) W SIMPSON HU/HUC18 AT FACE ATTACHMENT OR HTS16 AT TOP CHORD BEARING AT EA. TRUSS (TYP. UNO). THE SHEATHING DIAPHRAGM, AND PROVIDES LATERAL DIAPHRAGM SUPPORT TO THE FRAME WALL. A TRUSS SISTERED TO THE WALL IS NOT AN ACCEPTABLE SUBSTITUTE, UNLESS THAT TRUSS IS ATTACHED TO THE WALL IN LIKE MANNER TO THAT INDICATED FOR THE LEDGER (MIN).

LEDGER H (LH) - 2 SYP (1) 2x8 PT W 1/4" DIA x 3" TAPCONS AT 16" O.C. STAGGERED W SIMPSON HU/HUC18 AT FACE ATTACHMENT OR HTS16 AT TOP CHORD BEARING AT EA. TRUSS (TYP. UNO). ALTERNATE EQUAL OR BETTER CONNECTORS ARE ACCEPTABLE.

LEDGER I (LI) - 2 SYP 2x4 PT W 1/4" DIA x 3" TAPCONS AT 6" STAGGERED W (1) SIMPSON LUS24 AT FACE ATTACHMENT AT EACH TRUSS BOTTOM CHORD AND (1) SIMPSON H3 AT TOP CHORD ORIENTED HORIZONTALLY. ALT. EQUAL OR BETTER CONNECTORS ARE ACCEPTABLE AT TOP AND BOTTOM LEDGER NAIL SHEATHING TO LEDGER W TYPICAL EDGE NAILING PATTERN.

LEDGER J (LJ) - 2 SYP 2x4 PT W 1/4" DIA x 3" TAPCONS AT 8" O.C. STAGGERED W (1) SIMPSON LUS24 AT FACE ATTACHMENT AT EACH TRUSS BOTTOM CHORD AND (1) SIMPSON H3 AT TOP CHORD ORIENTED HORIZONTALLY. ALT. EQUAL OR BETTER CONNECTORS ARE ACCEPTABLE AT TOP AND BOTTOM LEDGER NAIL SHEATHING TO LEDGER W Ø10" DIA R.S. NAILS AT 3" O.C.

LEDGER M (LM) - 2 SYP 2x4 W (3) Ø10" DIA R.S. NAILS AT EA. STUD (16" O.C. MAX) W (1) SIMPSON LUS24 AT FACE ATTACHMENT AT EACH TRUSS BOTTOM CHORD AND (1) SIMPSON H3 AT TOP CHORD ORIENTED HORIZONTALLY. ALT. EQUAL OR BETTER CONNECTORS ARE ACCEPTABLE AT TOP AND BOTTOM LEDGER NAIL SHEATHING TO LEDGER W TYPICAL EDGE NAILING PATTERN.

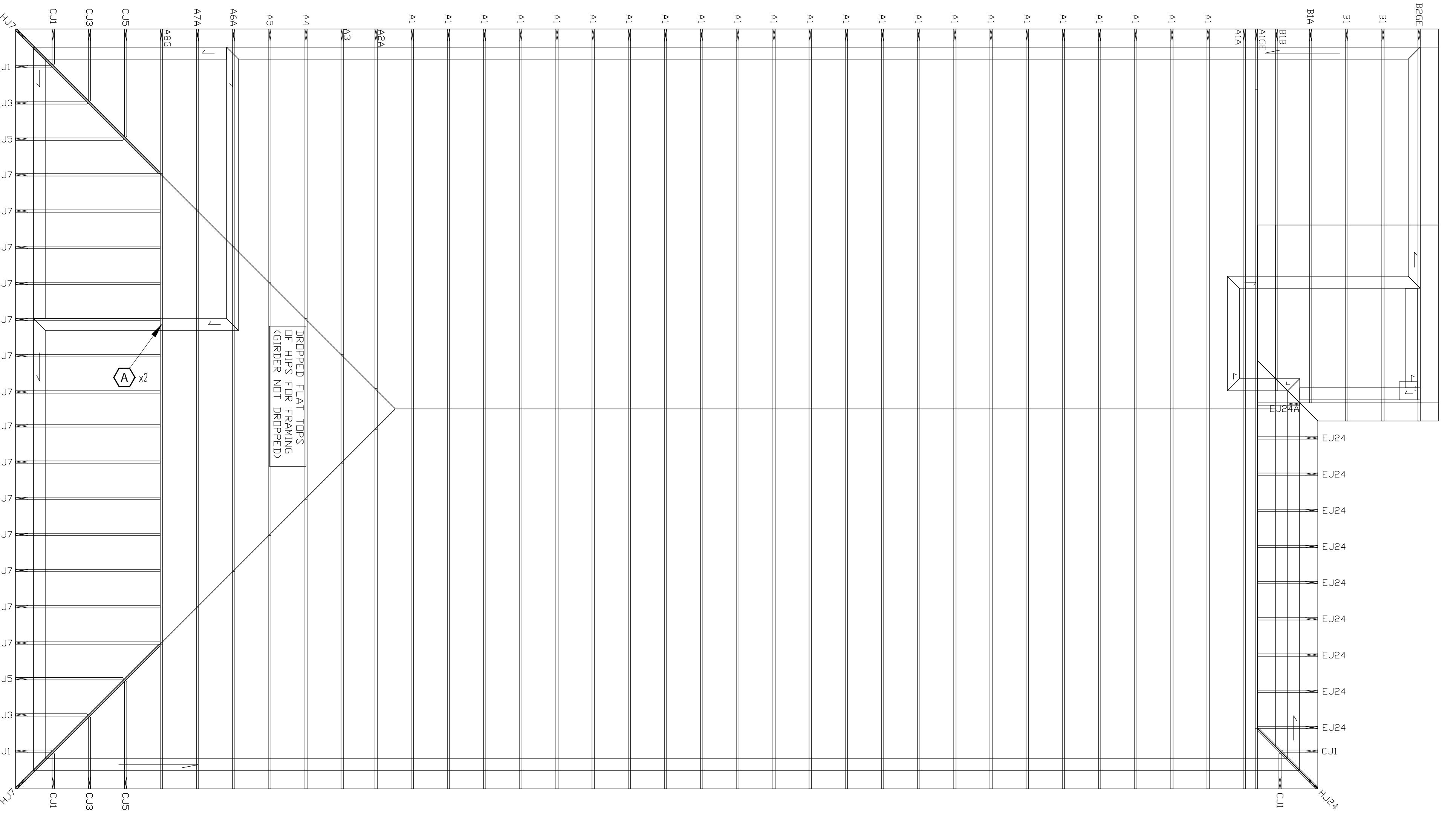
NOTE: AT LEDGERS C, D OR H, SIMPSON HU/HUC18-2 OR HU/HUC18-3 MAY BE USED FOR 2 FLY OR 3 FLY HANGERED TRUSS ATTACHMENT, RESPECTIVELY UNO

UPLIFT CONNECTION CROSS-REFERENCE

MARK	SIMPSON STRONG TIE		USP MANUFACTURING, INC.					
	CONNECTOR	CAPACITY	CONNECTOR	CAPACITY				
	SYP	SPF	SYP	SPF				
A	HETA20	1810	-	9 - 0.148" x 1 1/2"	HTA20	1615	1585	10 - 10d x 1 1/2"
B	HETA16	1810	-	9 - 0.148" x 1 1/2"	HTA16	1615	1585	10 - 10d x 1 1/2"
C	H2.5A	565	535	10 - 0.131" x 2 1/2"	RT7A	670	565	10 - 8d x 1 1/2"
D	H3	400	365	8 - 0.131" x 2 1/2"	RT3	610	525	8 - 8d x 1 1/2"
E	META20	1450	-	8 - 0.148" x 1 1/2"	HTA20-18	1400	1400	10 - 10d x 1 1/2"
F	IHETA20	2120	-	10 - 0.148" x 1 1/2"	-	-	-	-
G	H10A	1340	1015	18 - 0.148" x 1 1/2"	RT16A	1380	1160	9 - 10d x 1 1/2" & 8 - 10d
H	HTT4	3610	3105	5/8" ANCH. / (18) 0.148" x 1 1/2"	HTT4	2715	-	5/8" ANCH. / (10) 1 1/2"
J	HTTS	4350	3740	5/8" ANCH. / (26) 0.148" x 1 1/2"	HTTS	3225	-	5/8" ANCH. / (28) 10d x 1 1/2"
K	HD3B *	3130	3050	5/8" DIA. BOLTS	TDX2-TZ	2345	-	2 - 5/8" DIA. BOLTS
L	HD6B *	4505	3785	5/8" ANCH. 3/4" STUD BOLTS	TDX6	5320	-	2 - 7/8" DIA. BOLTS
M	HD7B *	6645	5650	7/8" ANCH. 3/4" STUD BOLTS	TDX10	7845	-	4 - 7/8" DIA BOLTS
N	LUS26	1165/1060 **	1000/910 **	8 - 0.148" x 3"	JUS26	1115/1060 **	-	8 - 10d
P	HUS26	1320/2845 **	1135/2445 **	20 - 0.162" x 3 1/2"	HUS26	1925/3395	-	20 - 16d x 3 1/2"
Q	HUS28	1760/4095 **	1515/3520 **	30 - 0.162" x 3 1/2"	HUS28	2570/4345	-	30 - 16d x 3 1/2"
R	MTS12	990	850	14 - 0.148" x 1 1/2"	MTW12	1195	1005	14 - 10d x 1 1/2"
S	MTS16	990	850	14 - 0.148" x 1 1/2"	MTW16	1195	1005	14 - 10d x 1 1/2"
T	MTS20	990	850	14 - 0.148" x 1 1/2"	MTW20	1195	1005	14 - 10d x 1 1/2"
U	MGTUGUT	3965	3330	Z2 - 0.148" x (1) 5/8" ATR W/ 12" EMBED W SIMPSON "SET" EPOXY	-	-	-	-
V	LGT2	2030	1750	(16) 0.148" x 3 1/4" & (7) 1/4" x 2 1/4" TITEN 2	LGT2	1850	1810	(16) 10d NAILS & (5) 1/4" x 3" WEDGE BOLTS
"X"	HTS20	1310	1125	24 - 0.148" x 1 1/2"	HTW20	1530	1285	24 - 10d x 1 1/2"
SP1	555	535	10 - 0.148" x 3"	SPT22	685	-	8 - 10d	
SP2	1010	605	12 - 0.148" x 3"	SPT24	1030	-	12 - 10d	
HCP2	590	510	12 - 0.148" x 1 1/2"	-	-	-	-	

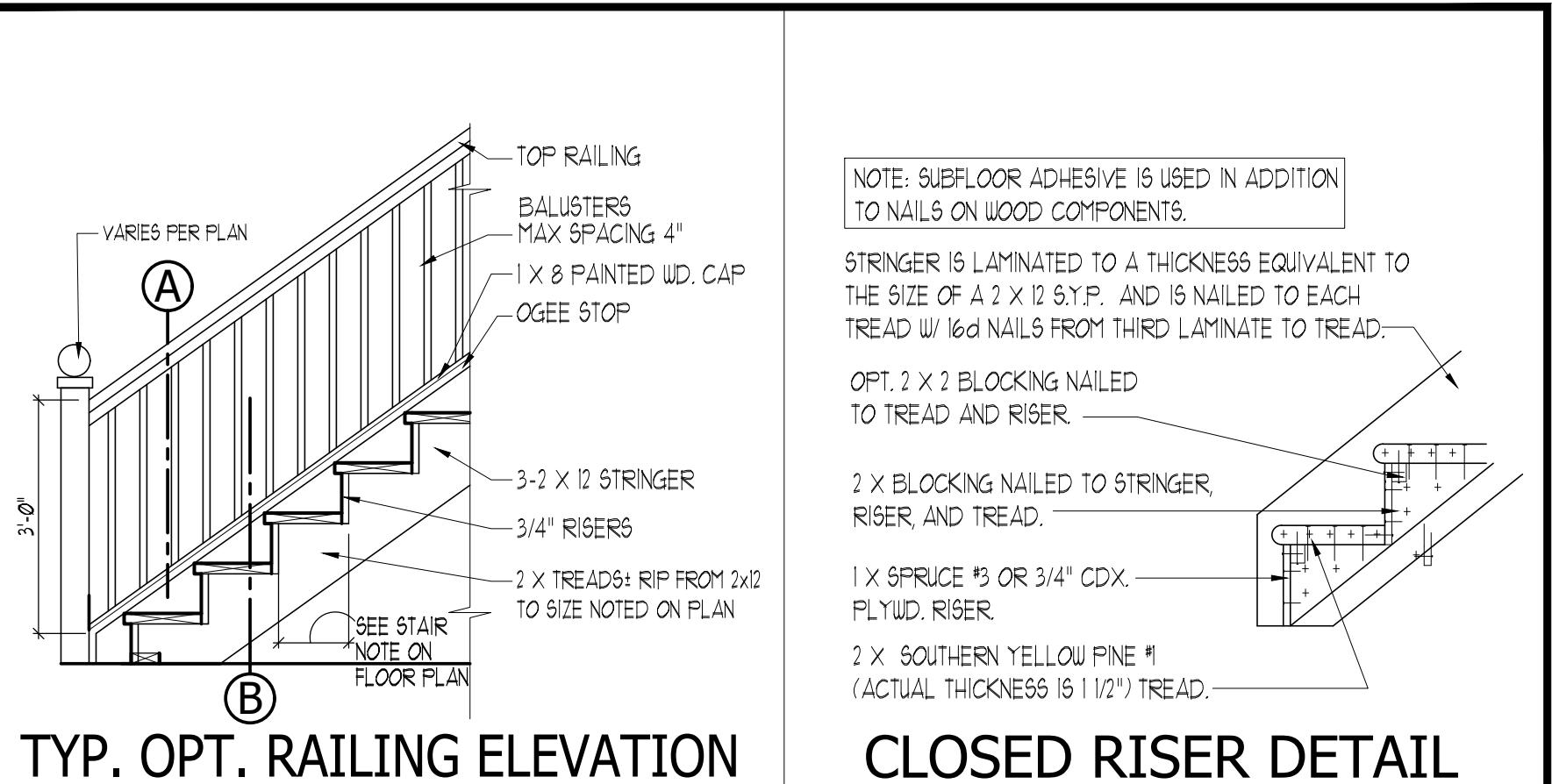
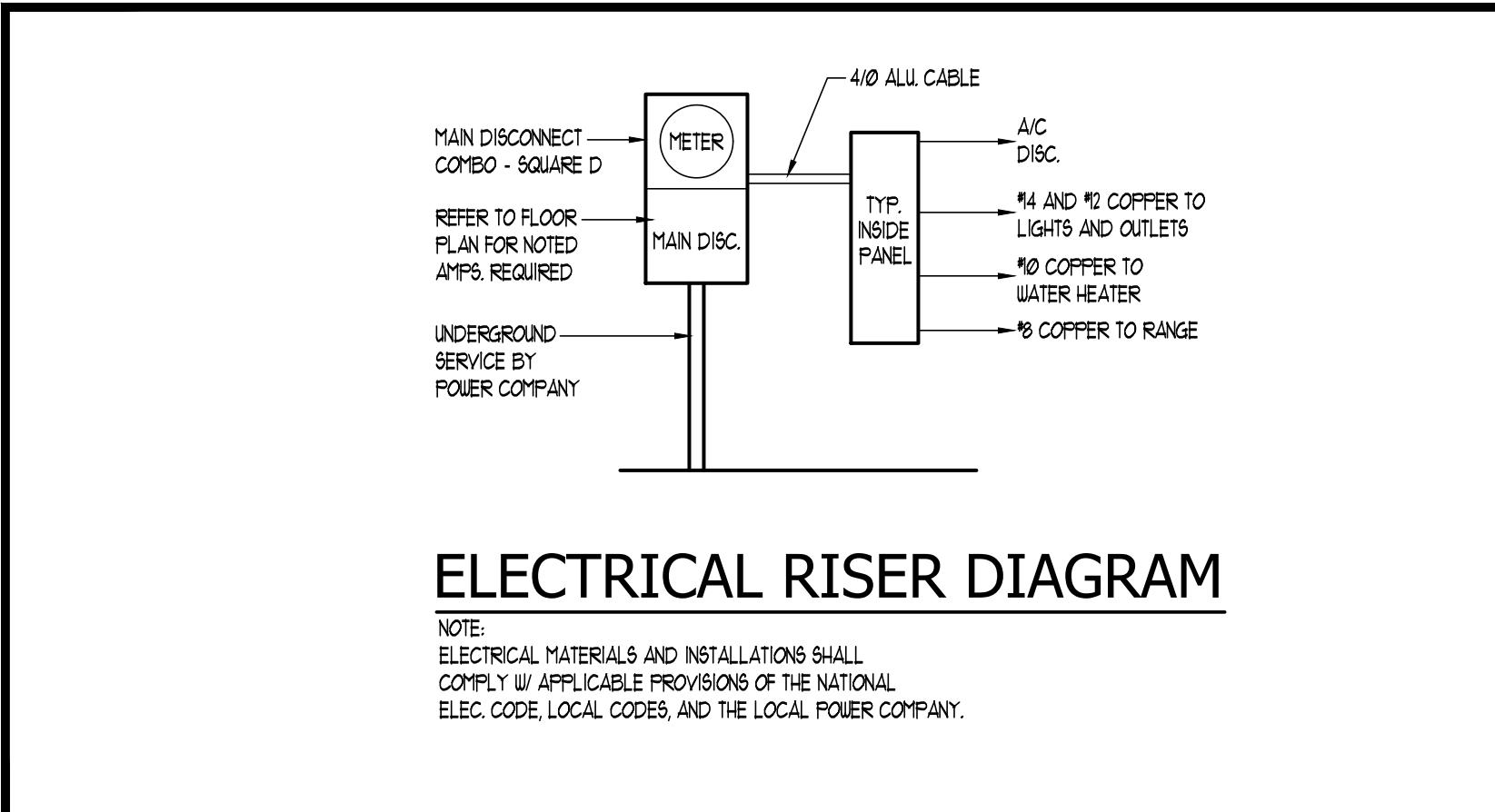
* MINIMUM 3" MEMBER REACTIONS FOR ROOF LOADS ONLY
** DO NOT DRIVE NAILS THROUGH THE TRUSS PLATE ON THE OPPOSITE SIDE OF THE TRUSS, WHICH COULD FORCE THE PLATE OFF OF THE TRUSS.
ALL EPOXY NAILS USE 1/4" THICK

NOTE: DOUBLE FELT RECOV ON ROOF PITCHES 3/12 & LOWER.
LOADS:
ROOF = L360
FLOOR = L480 W/ 3/8" MAX DEFLECTION
FLOOR JOIST SPACING SHALL BE MAX OF 19.2" O.C. FOR HARDWOOD & TILE AREAS & 24" O.C. FOR CARPET AREAS.





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ROUGH-IN INSPECTION REQUEST NOTE

ALL PLUMBING, ELECTRICAL AND MECHANICAL ROUGH-INS MUST BE COMPLETE, INSPECTED AND APPROVED BEFORE REQUESTING THE FRAMING INSPECTION.

CEILING AT ENTRY NOTE

ALL ENTRY CLGS. TO BE 15/32 OSB, CEMENTITOUS FINISH (UNO).

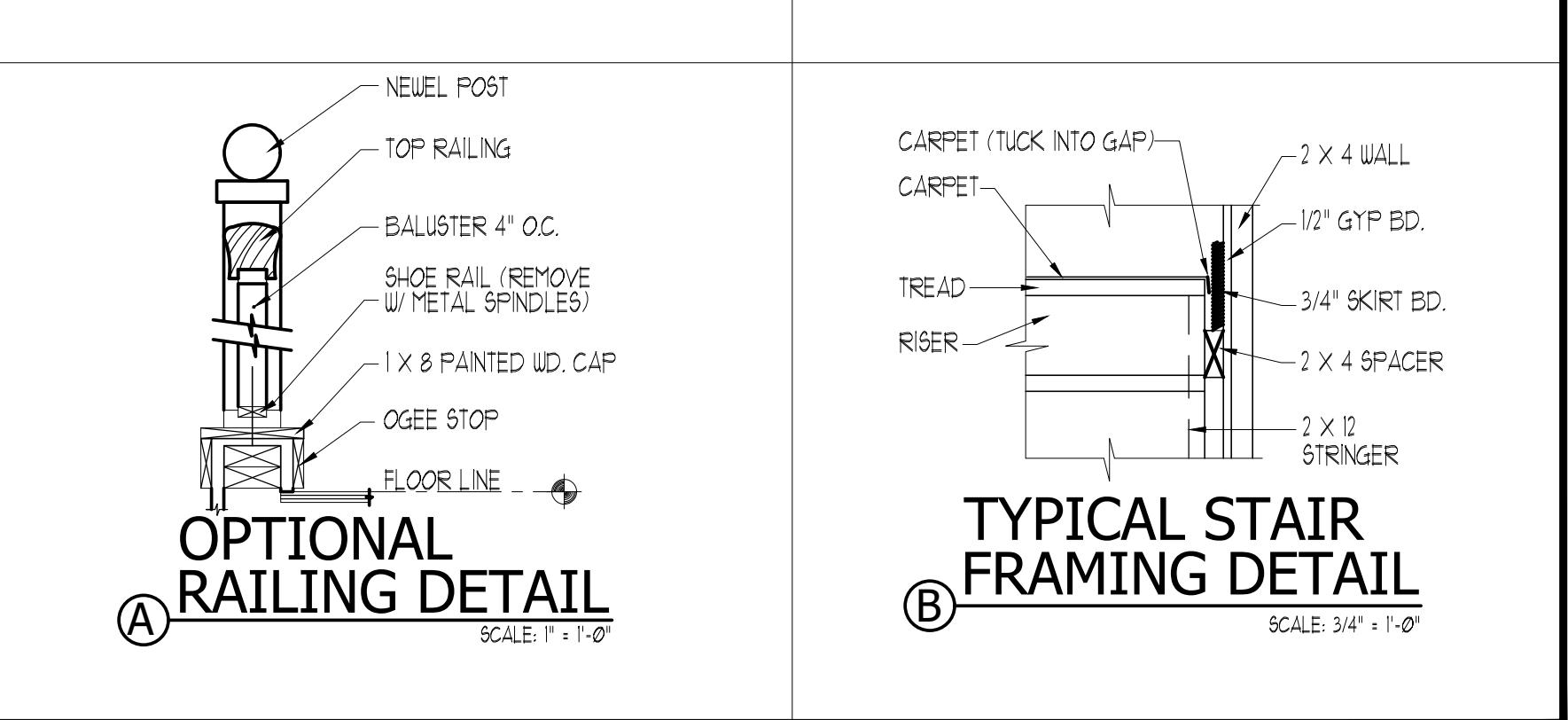
GAS APPLIANCE PROTECTION IN GARAGE NOTE

PROTECTION OF GAS APPLIANCES IN RESIDENTIAL GARAGES: MINIMUM 3" DIAMETER SCH 40 STEEL PIPE, 2 FT. BELOW CONCRETE SLAB AND 3 FT. ABOVE FINISHED FLOOR.

GENERAL NOTES

- DUE TO VARIATIONS IN CITY REQUIREMENTS, SUBDIVISION SPECIFICATIONS, CONSTRUCTION TECHNIQUES, DIVERSITY IN MATERIALS, AND PLAN REVISIONS, ALL DIMENSIONS AND ELEVATIONS MAY VARY PER INDIVIDUAL PLAN. ACTUAL FIELD CONDITIONS MAY VARY AND MUST BE VERIFIED BEFORE PROCEEDING WITH CONSTRUCTION.
- ELECTRICAL LOCATIONS SHOWN ON DRAWINGS MAY BE CHANGED AT THE SOLE DISCRETION OF LENNAR HOMES OR ITS LICENSED ELECTRICIAN IN ORDER TO COMPLY W/ NATIONAL AND MUNICIPAL BUILDING AND ELECTRICAL CODES. LENNAR HOMES WILL NOT GUARANTEE LOCATION OR QUANTITY OF OUTLETS AND/OR SWITCHES SHOWN.
- ALL PLUMBING DIMENSIONS ARE APPROXIMATE FROM THE CENTER LINE OF THE FIXTURE TO THE EXTERIOR SLAB EDGE. IT IS THE RESPONSIBILITY OF THE PLUMBER TO VERIFY THE ACCURACY OF ALL PLUMBING DIMENSIONS.

STAIR NOTES	
RAILING	BALUSTERS SHALL BE SPACED SO THAT A 4" SPHERE CANNOT PASS THROUGH.
HANDRAILS	HANDRAILS FOR STAIRWAY SHALL BE CONTINUOUS FOR THE FULL LENGTH OF THE FLIGHT, FROM A POINT DIRECTLY ABOVE THE TOP RISER OF THE FLIGHT TO A POINT DIRECTLY ABOVE THE LOWEST RISER. HANDRAIL ENDS SHALL BE RETURNED OR SHALL TERMINATE IN NEWEL POSTS OR SAFETY TERMINALS. HANDRAILS ADJACENT TO A WALL SHALL HAVE A SPACE OF NOT LESS THAN 1-1/2 INCH BETWEEN THE WALL AND HANDRAILS.
CONTINUOUS GRASPABLE HANDRAIL	MUST MEET TYPE ONE OR TYPE TWO CRITERIA
UNDER-STAIR PROTECTION	ENCLOSED ACCESSIBLE SPACE UNDER STAIRS SHALL HAVE WALLS UNDER-STAIR SURFACE AND ANY SOFFIT PROTECTED ON THE ENCLOSED SIDE W/ 1/2 INCH GYPSUM BOARD PER 1TH EDITION (2020) FLORIDA BUILDING CODE - R302.1 AND R302.11
STAIRWELL FRAME NOTE	ALL STAIRWELL SURROUNDING WALLS AND KNEE WALLS ARE TO BE FRAMED AT 16" O.C. TO PROTECT FROM FALLING HAZARD



WINDOW FALL PROTECTION

IN DWELLING UNITS, WHERE THE OPENING OF AN OPERABLE WINDOW IS LOCATED MORE THAN 12 INCHES ABOVE THE FINISHED GRADE OR SURFACE BELOW THE LOWEST PART OF THE CLEAR OPENING OF THE WINDOW SHALL BE A MINIMUM OF 24 INCHES ABOVE THE FINISHED FLOOR OF THE ROOM IN WHICH THE WINDOW IS LOCATED. OPERABLE SECTIONS OF WINDOWS SHALL NOT PERMIT OPENINGS THAT ALLOW PASSAGE OF A 4 INCH DIAMETER SPHERE WHERE SUCH OPENINGS ARE LOCATED WITHIN 24 INCHES OF THE FINISHED FLOOR PER F.B.C. RESIDENTIAL 1TH EDITION (2020) - SECTION R312.

WINDOW FALL PREVENTION DEVICES AND WINDOW GUARDS, WHERE PROVIDED, SHALL COMPLY WITH THE REQUIREMENTS OF ASTM F 2020 PER F.B.C. RESIDENTIAL 1TH EDITION (2020) - SECTION R312.

CLOSED RISER DETAIL

SCALE: 1/2" = 1'-0"

INSULATION NOTES

- CMU WALLS:----- R-FOIL 41
- FRAME WALLS:----- R-13
- KNEE WALLS THAT BACK UP TO CEILING AREA ONLY:----- R-19
- CEILING:----- R-30

ONSITE FOUNDATION SURVEY NOTE

A FOUNDATION SURVEY SHALL BE PERFORMED AND A COPY OF THE SURVEY SHALL BE ON THE SITE FOR THE BUILDING INSPECTOR'S USE, OR ALL PROPERTY MARKERS SHALL BE EXPOSED AND A STRING STRETCHED FROM MARKER TO MARKER TO VERIFY REQUIRED SETBACKS.

NOTE: ANY DIMENSIONS AND/OR CALLOUTS WITHIN THIS SET OF DRAWINGS REFERENCING LUMBER SIZES OR WALL THICKNESSES ARE TO BE CONSIDERED 'NOMINAL DIMENSIONS'

GENERAL CONSTRUCTION NOTES

CHAPTERS AND SECTIONS REFER TO F.B.C. RESIDENTIAL 1TH EDITION (2020)

OCCUPANCY AND CONSTRUCTION TYPE:
THIS UNIT HAS AN R3 OCCUPANCY AND BUILDING TYPE V-B CLASSIFICATION.

CEILING CONSTRUCTION:
1. THE GARAGE SHALL BE SEPARATED FROM THE RESIDENCE AND ITS ATTIC AREA BY NOT LESS THAN 1/2 INCH (12.7 mm) GYPSUM BOARD APPLIED TO THE GARAGE SIDE. GARAGES BEING beneath HABITABLE ROOMS SHALL BE SEPARATED FROM ALL HABITABLE ROOMS ABOVE BY NOT LESS THAN 5/8 INCH (15.9 mm) TYPE "X" GYPSUM BOARD OR EQUIVALENT, WHERE THE SEPARATION IS A FLOOR-CEILING ASSEMBLY. THE STRUCTURE SUPPORTING THE SEPARATION SHALL ALSO BE PROTECTED BY NOT LESS THAN 1/2 INCH (12.7 mm) GYPSUM BOARD OR EQUIVALENT.

DWELLING / GARAGE OPENINGS:
1. THE OPENING BETWEEN THE GARAGE AND LIVING AREA SHALL BE EQUIPPED WITH SOLID WOOD DOORS NOT LESS THAN 1 3/8" IN THICKNESS, SOLID CORE (SC) OR HONEYCOMB CORE STEEL DOORS NOT LESS THAN 1 3/8" THICK, OR 20 MINUTE FIRE RATED DOORS.
2. ALL DOORS FROM GARAGE ADJACENT TO LIVING SPACE MUST BE EITHER A SOLID CORE DOOR OR HAVE A MIN. FIRE RATING OF 20 MINUTES.

EGRESS:
EACH BEDROOM MUST HAVE ONE WINDOW THAT COMPLIES WITH EGRESS CODES. IF THERE IS NO ACCESS TO EXTERIOR THROUGH A DOOR THE WINDOW MUST HAVE A MAXIMUM OPENING HEIGHT OF 44" ABOVE FINISH FLOOR LINE OF THAT PARTICULAR ROOM.

WINDOW INSTALLATION:
WINDOWS SHALL BE INSTALLED AND FLASHED IN ACCORDANCE WITH THE MANUFACTURERS WRITTEN INSTALLATION INSTRUCTIONS. WRITTEN INSTALLATION INSTRUCTIONS SHALL BE PROVIDED BY THE MANUFACTURER FOR EACH WINDOW.

TERMITICIDE PROTECTION:
1. PENETRATION PROTECTIVE SLEEVES AROUND PIPING PENETRATING CONCRETE SLAB-ON-GRADE FLOORS SHALL NOT BE OF CELLULOSE CONTAINING MATERIALS. IF SOIL TREATMENT IS USED FOR SUBTERRANEAN TERMITE PROTECTION, THE SLEEVE SHALL HAVE A MAXIMUM WALL THICKNESS OF 0.010 INCH, AND BE SEALED WITHIN THE SLAB USING A NON-CORROSIVE CLAMPING DEVICE TO ELIMINATE THE ANNUAL SPACE BETWEEN THE PIPE AND THE SLEEVE. NO TERMITICIDES SHALL BE APPLIED INSIDE THE SLEEVE.
2. PROTECTION AGAINST DECAY AND TERMITES - CONDENSATE LINES, IRRIGATION / SPRINKLER SYSTEM RISERS FOR SPRAY HEADS, AND ROOF DOWNSPOUTS SHALL DISCHARGE AT LEAST 1 FOOT (305 mm) AWAY FROM THE STRUCTURE SIDEWALL, WHETHER BY UNDERGROUND PIPING, TAIL EXTENSIONS OR SPLASH BLOCKS. GUTTERS WITH DOWNSPOUTS ARE REQUIRED ON ALL BUILDINGS WITH EAVES OF LESS THAN 6 INCHES (152 mm) HORIZONTAL PROJECTION EXCEPT FOR GABLE END RAKES OR ON A ROOF ABOVE ANOTHER ROOF.

MECHANICAL AND HVAC:

- ENERGY CALCULATIONS FOR HEATING AND COOLING CAPACITIES SHALL BE FURNISHED BY THE GENERAL CONTRACTOR AS AN ATTACHMENT TO THE PLAN SET AT THE TIME OF APPLICATION FOR PERMIT.
- MECHANICAL APPLIANCES SHALL BE ACCESSIBLE FOR INSPECTION, SERVICE, REPAIR, AND REPLACEMENT WITHOUT REMOVING PERMANENT CONSTRUCTION, OTHER APPLIANCES, OR ANY OTHER PIPING OR DUCTS NOT CONNECTED TO THE APPLIANCE BEING INSPECTED, SERVICED, REPAIRED, OR REPLACED. A LEVEL WORKING SPACE AT LEAST 30 INCHES (762 mm) DEEP AND 30 INCHES (762 mm) WIDE SHALL BE PROVIDED IN FRONT OF THE CONTROL SIDE TO SERVICE AN APPLIANCE.
- DUCTS IN THE GARAGE AND DUCTS PENETRATING THE WALLS OR CEILINGS SEPARATING THE DWELLING FROM THE GARAGE SHALL BE CONSTRUCTED OF A MIN. #26 GAUGE (0.48 mm) SHEET STEEL OR OTHER APPROVED MATERIAL AND SHALL HAVE NO OPENINGS INTO THE GARAGE.
- FOUNDATIONS AND SUPPORTS FOR OUTDOOR MECHANICAL SYSTEMS SHALL BE RAISED AT LEAST 3 INCHES (76 mm) ABOVE THE FINISHED GRADE AND SHALL ALSO CONFORM TO THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- AUXILIARY DRAIN PAN: CATEGORY IV CONDENSING APPLIANCES SHALL BE PROVIDED WITH AN AUXILIARY DRAIN PAN WHERE DAMAGE TO ANY BUILDING COMPONENT WILL OCCUR AS A RESULT OF STOPPAGE IN THE CONDENSATE DRAIN PIPING SYSTEM. THESE PANS SHALL BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF SECTION M1411.

EXHAUST FANS AND VENTING:

- OUTDOOR DISCHARGE: THE AIR REMOVED BY EVERY MECHANICAL EXHAUST SYSTEM SHALL BE DISCHARGED TO THE OUTDOORS. AIR SHALL NOT BE EXHAUSTED INTO AN ATTIC, SOFFIT, RIDGE VENT OR CRAWL SPACE.
- EXHAUST AIR FROM BATH ROOMS AND TOILET ROOMS SHALL NOT BE RECIRCULATED WITHIN A RESIDENCE OR TO ANOTHER DWELLING UNIT AND SHALL BE EXHAUSTED DIRECTLY TO THE OUTDOORS. EXHAUST AIR FROM BATHROOMS AND TOILET ROOMS SHALL NOT DISCHARGE INTO AN ATTIC, CRAWL SPACE, OR OTHER AREAS INSIDE THE BUILDING.
- DUCT LENGTH: THE MAXIMUM LENGTH OF A CLOTHES DRYER EXHAUST DUCT SHALL NOT EXCEED 25 FEET FROM THE DRYER LOCATION TO THE WALL OR ROOF TERMINATION. THE MAXIMUM LENGTH OF THE DUCT SHALL BE REDUCED 2.5 FEET (762 mm) FOR EACH 45 DEGREE (0.79 RAD) BEND AND 5 FEET (1524 mm) FOR EACH 90 DEGREE (1.57 RAD) BEND. THE MAXIMUM LENGTH OF THE EXHAUST DUCT DOES NOT INCLUDE THE TRANSITION DUCT.
- EXCEPTION: WHERE A CLOTHES DRYER BOOSTER FAN IS INSTALLED AND LISTED AND LABELED FOR THE APPLICATION, THE MAXIMUM LENGTH OF THE EXHAUST DUCT, INCLUDING ANY TRANSITION DUCT, SHALL BE PERMITTED TO BE IN ACCORDANCE WITH THE BOOSTER FAN MANUFACTURER'S INSTALLATION INSTRUCTIONS. WHERE A CLOTHES DRYER BOOSTER FAN IS INSTALLED AND NOT READILY ACCESSIBLE FROM THE ROOM IN WHICH THE DRYER IS LOCATED, A PERMANENT IDENTIFYING LABEL SHALL BE PLACED ADJACENT TO WHERE THE EXHAUST DUCT ENTERS THE WALL. THE LABEL SHALL BEAR THE WORDS "THIS DRYER EXHAUST SYSTEM IS EQUIPPED WITH A REMOTELY LOCATED BOOSTER FAN."
- PROVIDE LOUVER DEVICES AT INTAKE AND EXHAUST LOCATIONS IN ACCORDANCE WITH AMCA STANDARD 550 IN FBC.

CHIMNEY HEIGHT REQUIREMENTS:
WHEN STANDARD OR OPTIONAL FIREPLACE IS TO BE INSTALLED THE CHIMNEY MUST EXTEND 3'-0" PAST THE HIGHER POINT WHERE IT EXTENDS THROUGH THE ROOF AND MUST BE 2'-0" HIGHER THAN THE ROOF OR RIDGE THAT IS 10'-0" AWAY OR CLOSER.

TUB AND SHOWER AREAS:
CEMENT, FIBER-CEMENT, OR GLASS MAT GYPSUM BOARD (NO GREEN BOARD ALLOWED) IN COMPLIANCE WITH ASTM C1288, C1325, OR C178 AND INSTALLED IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS SHALL BE USED AS BACKERS FOR WALL TILE IN TUB AND SHOWER AREAS, AND WALL PANELS IN SHOWER AREAS.

FLOOD ZONE REQUIREMENTS:
PLAN MEETS OR EXCEEDS FEMA FLOOD FINISHED GARAGE FLOOR ELEVATION.

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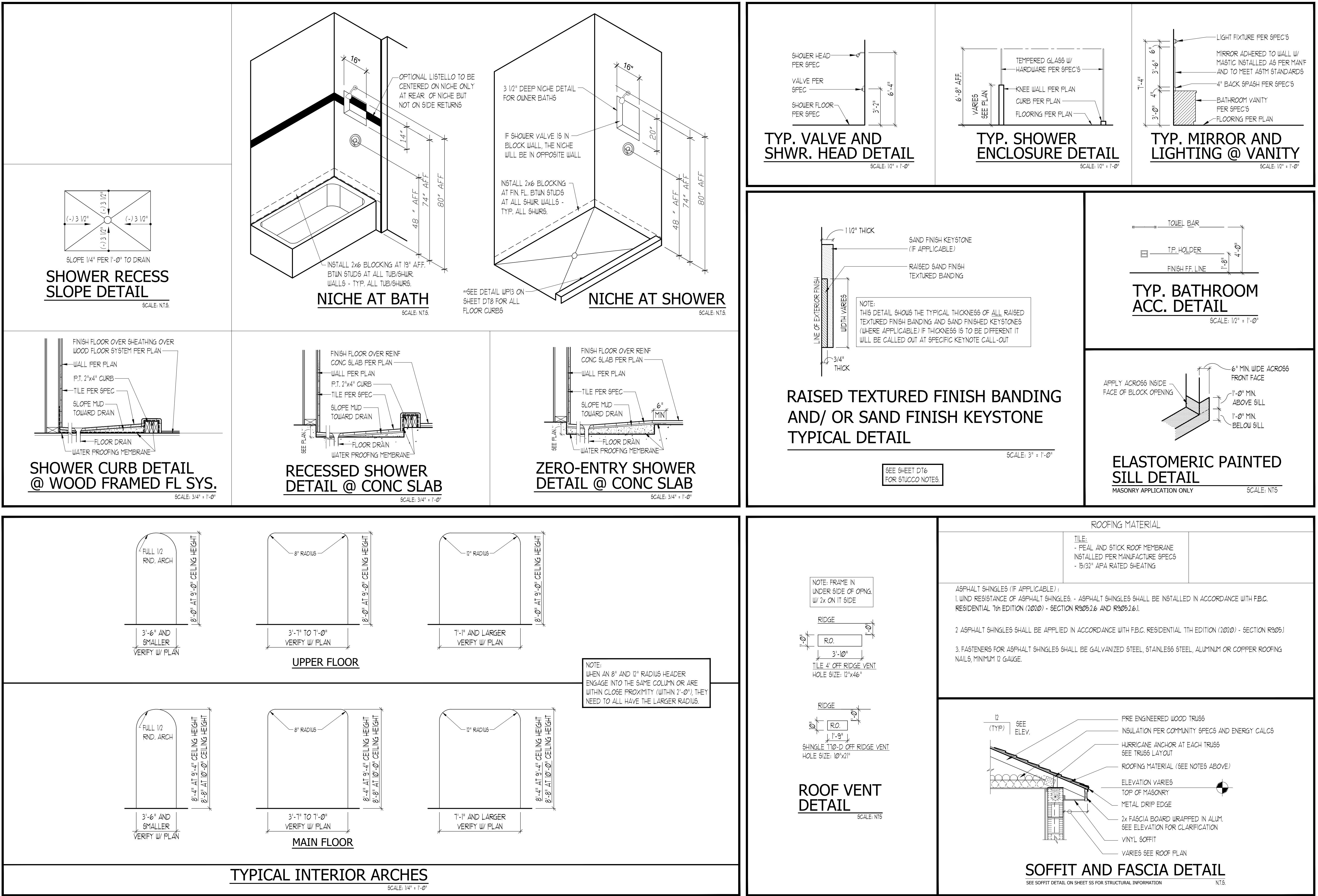
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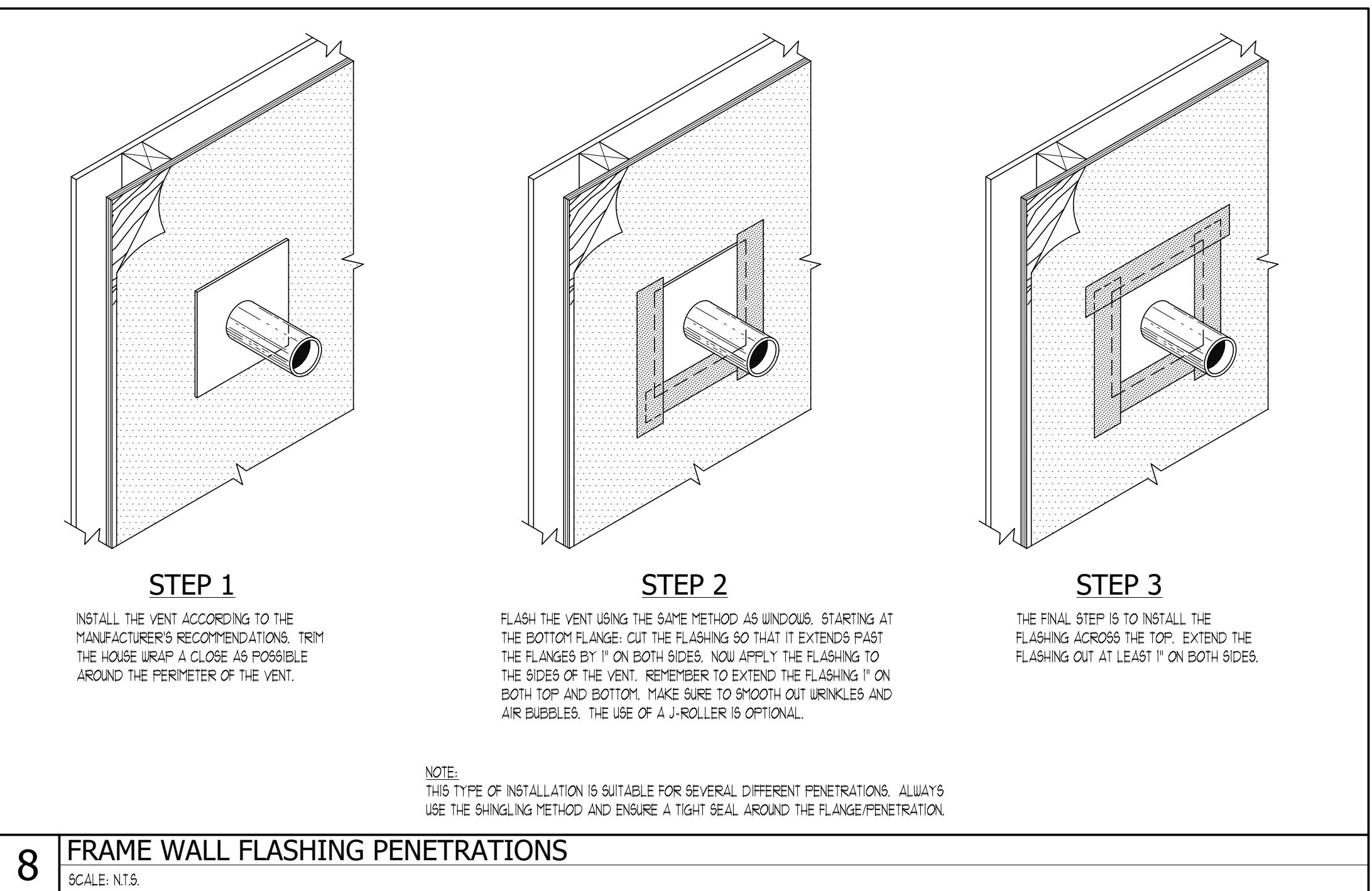
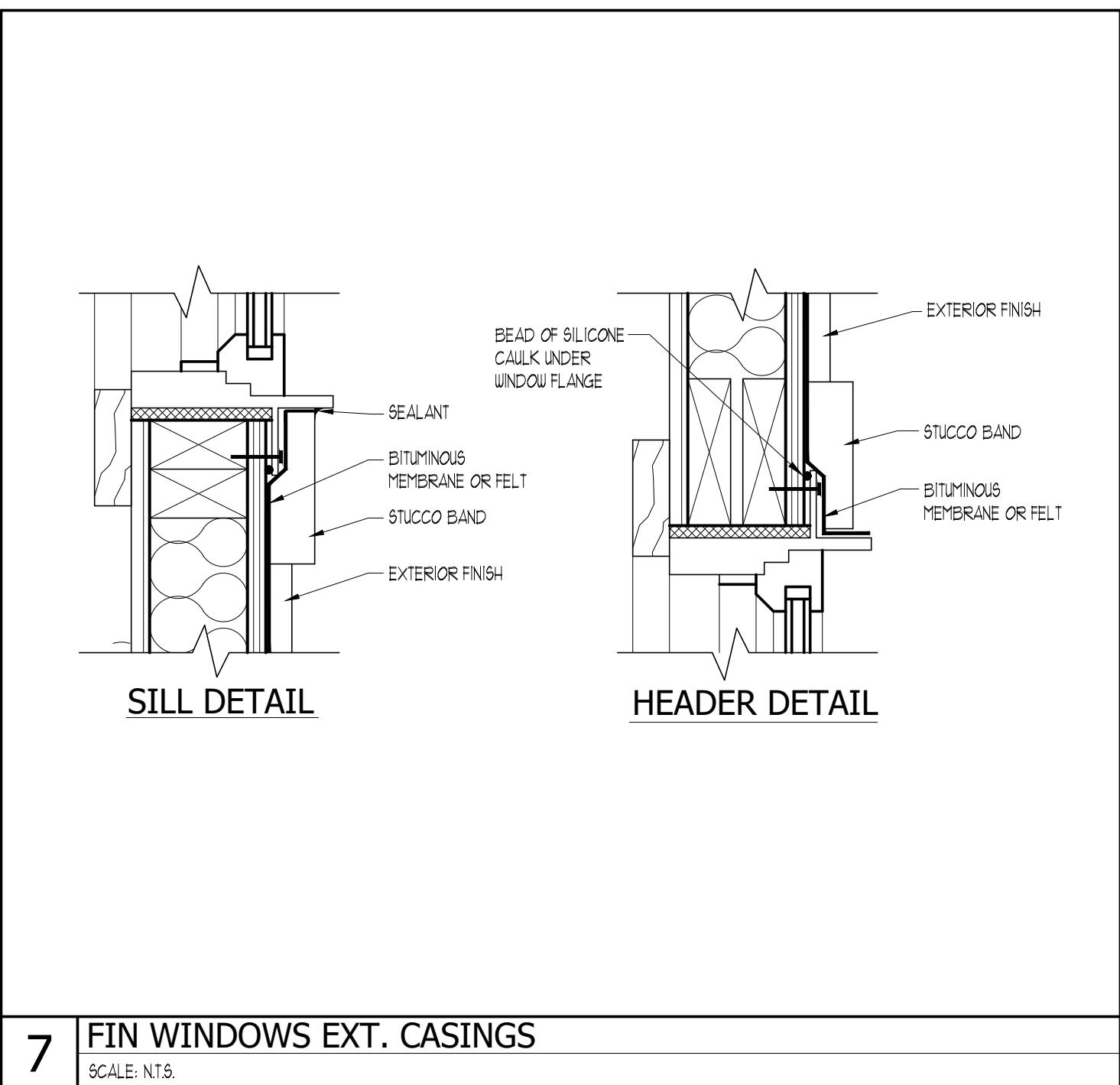
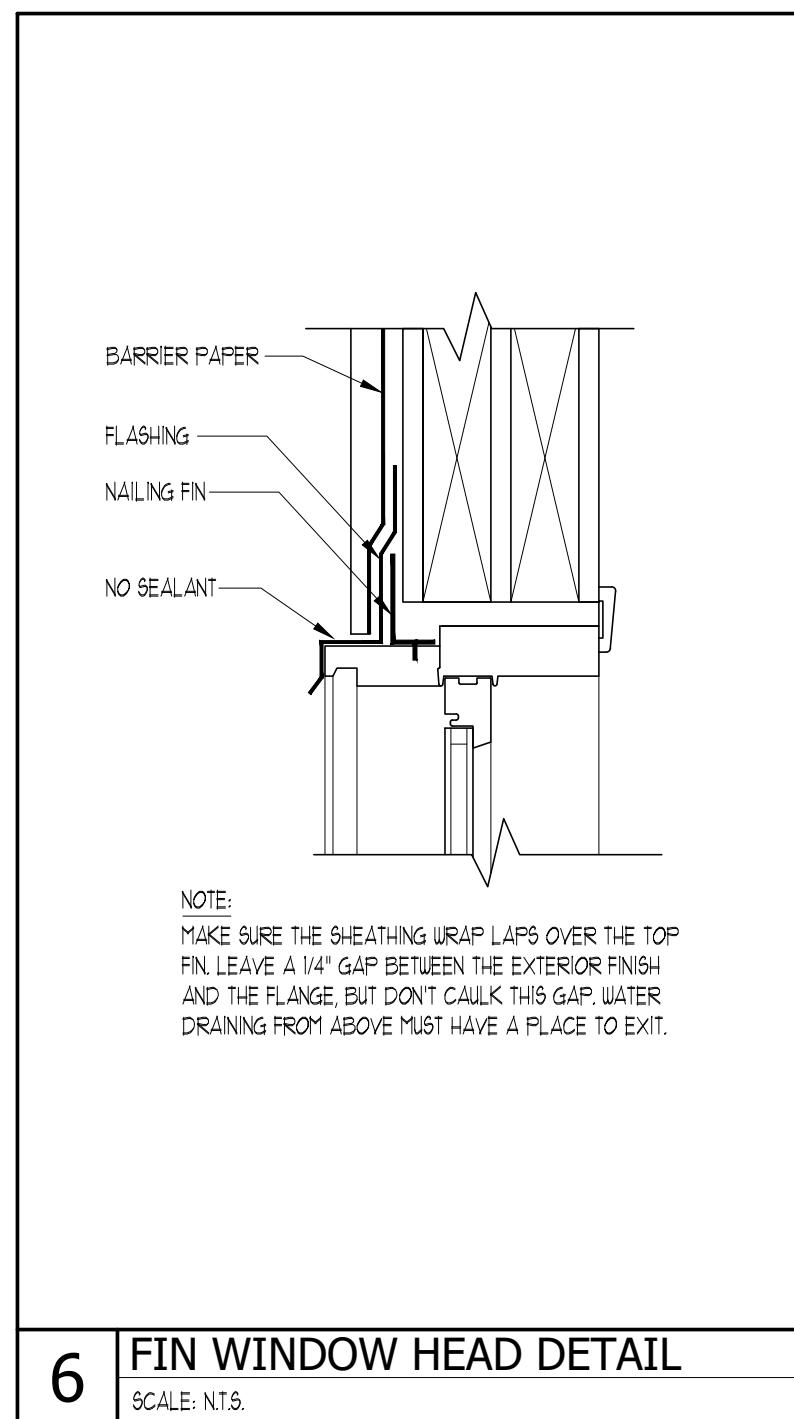
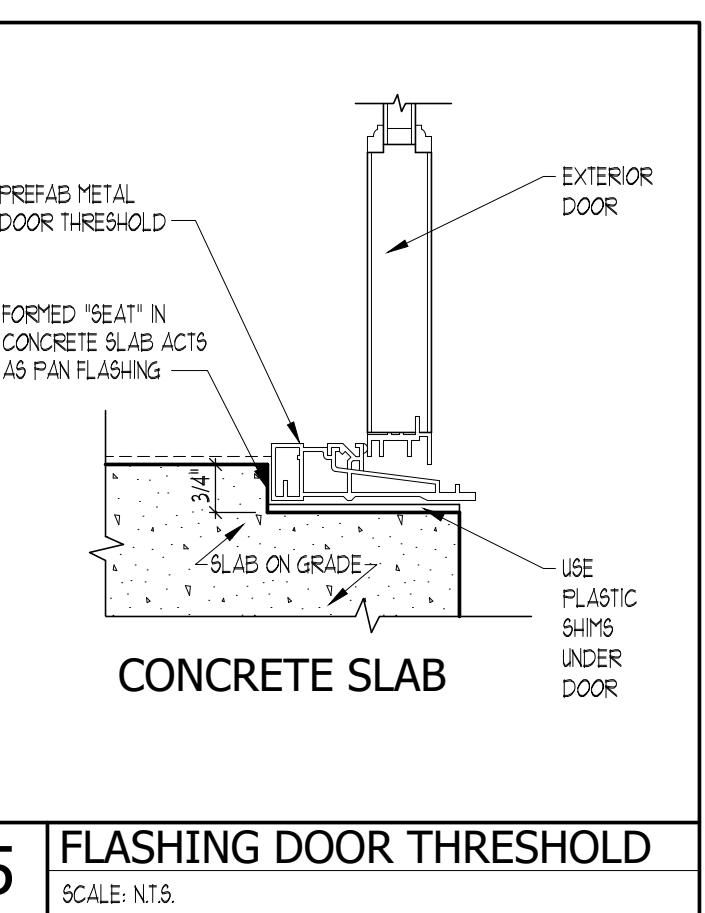
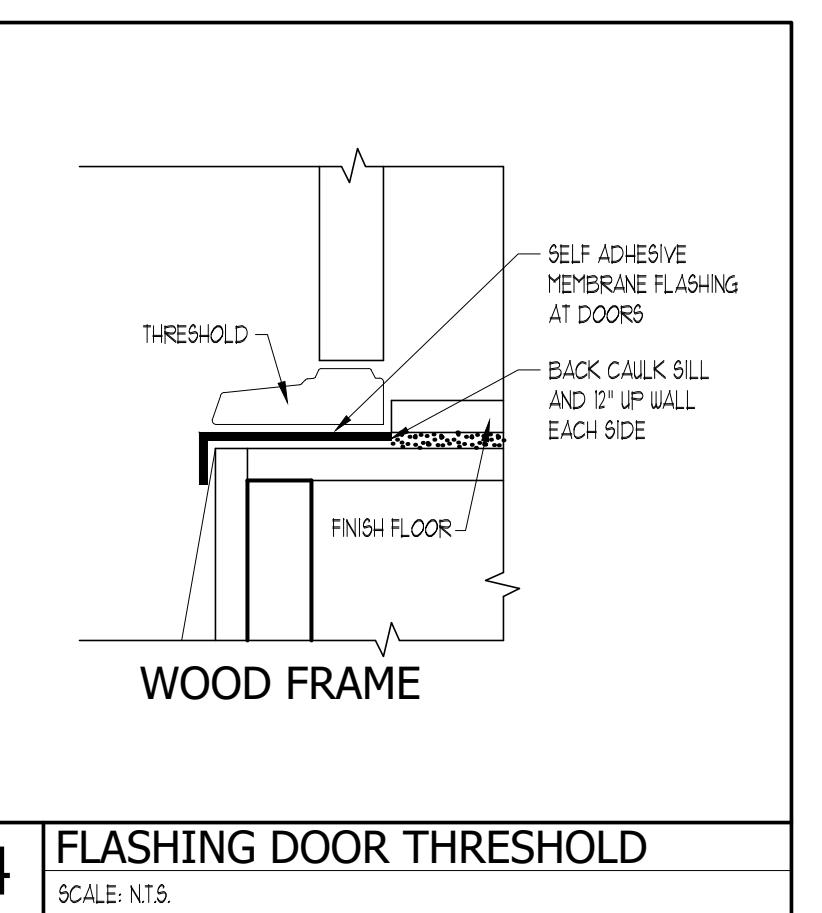
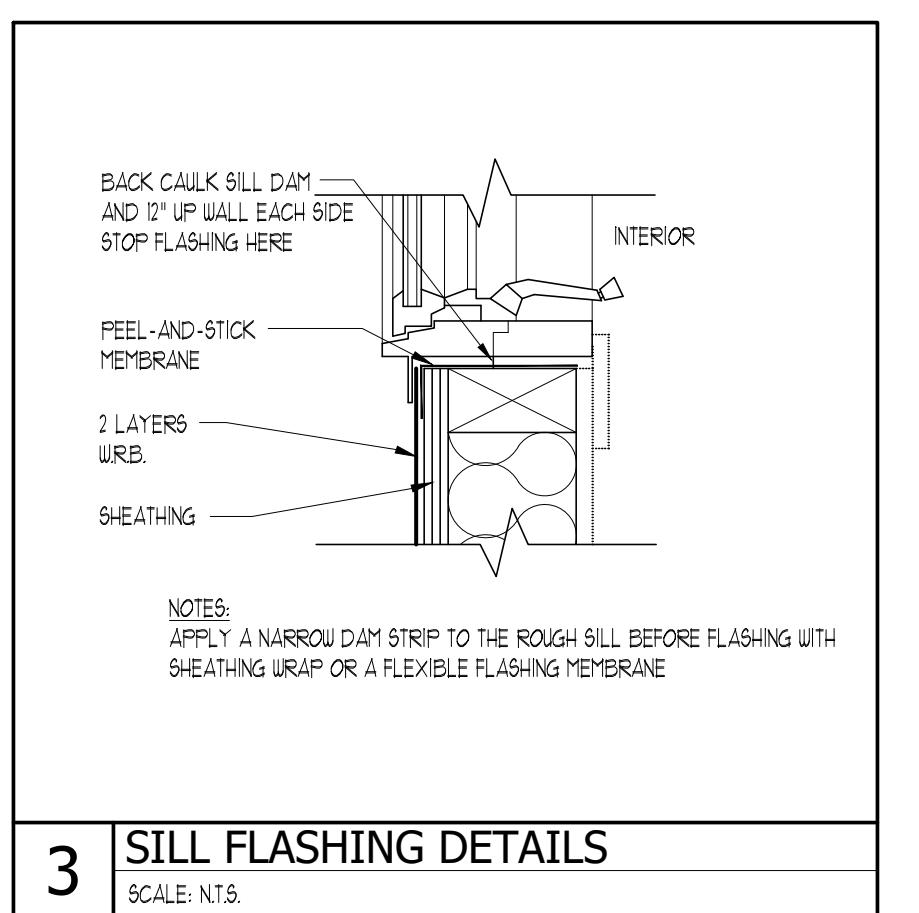
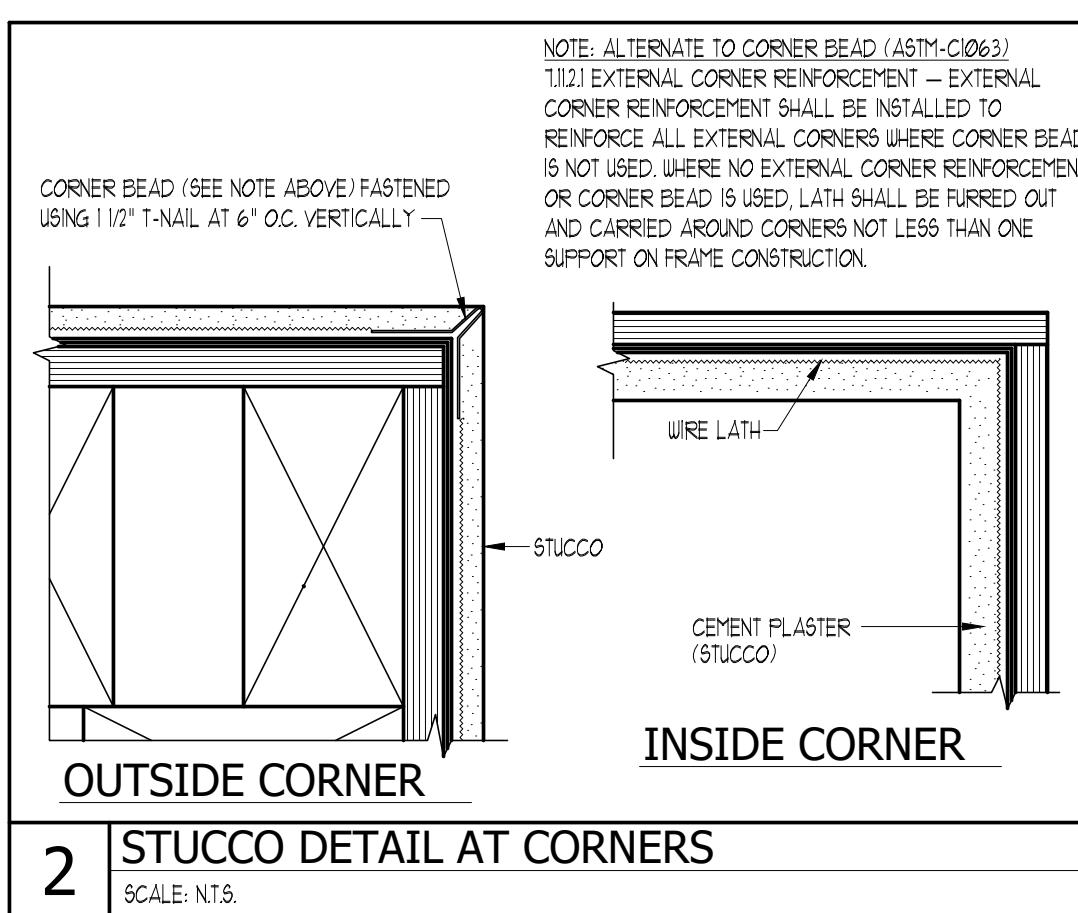
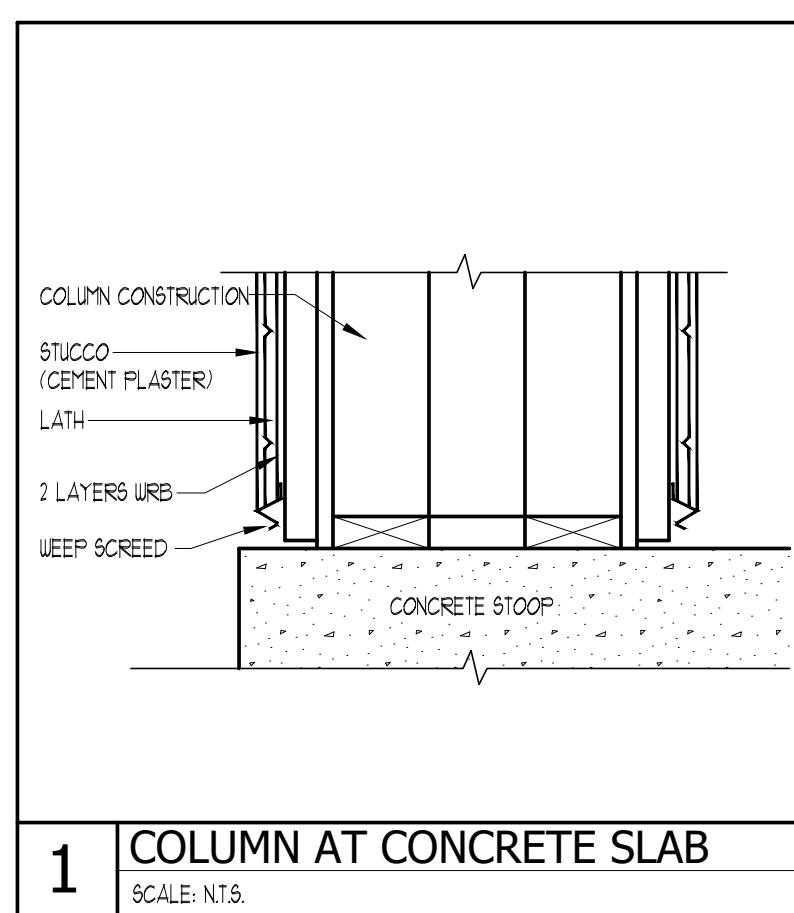
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FLASHING REQUIREMENTS

R703.2 WATER-RESISTIVE BARRIER. ONE LAYER OF NO. 15 ASPHALT FELT, FREE FROM HOLES AND BREAKS, COMPLYING WITH ASTM D236 FOR TYPE I FELT OR OTHER APPROVED WATER-RESISTIVE BARRIER SHALL BE APPLIED OVER STUDS OR SHEATHING OF ALL EXTERIOR WALLS. NO. 15 ASPHALT FELT SHALL BE APPLIED HORIZONTALLY, WITH THE UPPER LAYER LAPPED OVER THE LOWER LAYER NOT LESS THAN 2 INCHES (51 MM), WHERE JOINTS OCCUR, FELT SHALL BE LAPPED NOT LESS THAN 6 INCHES (152 MM). OTHER APPROVED MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH THE WATER-RESISTIVE BARRIER MANUFACTURER'S INSTRUCTIONS. NO. 15 ASPHALT FELT, FREE FROM HOLES AND BREAKS, COMPLYING WITH ASTM D236 FOR TYPE I FELT OR OTHER APPROVED WATER-RESISTIVE BARRIER SHALL BE CONTINUED TO THE TOP OF WALLS AND TERMINATED AT PENETRATIONS AND BUILDING APPENDAGES IN A MANNER TO MEET THE REQUIREMENTS OF THE EXTERIOR WALL ENVELOPE AS DESCRIBED IN SECTION R703.1. THE WATER-RESISTIVE BARRIER IS NOT REQUIRED FOR DETACHED ACCESSORY BUILDINGS.

R703.4 FLASHING. APPROVED METAL FLASHING, VINYL FLASHING, SELF-ADHERED MEMBRANES AND MECHANICALLY ATTACHED FLEXIBLE FLASHING SHALL BE APPLIED SHINGLE-FASHION OR IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. METAL FLASHING SHALL BE CORROSION RESISTANT. FLUID-APPLIED MEMBRANES USED AS FLASHING SHALL BE APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. ALL FLASHING SHALL BE APPLIED IN A MANNER TO PREVENT THE ENTRY OF WATER INTO THE WALL CAVITY OR PENETRATION OF WATER TO THE BUILDING STRUCTURE. FRAMING COMPONENTS, SELF-ADHERED MEMBRANES USED AS FLASHING SHALL COMPLY WITH AAMA 711. ALL EXTERIOR FENESTRATION PRODUCTS SHALL BE SECURED WITH APPROVED SEALANT. APPROVED SEALANT COMPLYING WITH AAMA 800 OR ASTM C920 CLASS 25 GRADE NS OR GREATER FOR PROPER JOINT EXPANSION AND CONTRACTION, ASTM C1281, AAMA 812, OR OTHER APPROVED STANDARD AS APPROPRIATE FOR THE TYPE OF SEALANT. FLUID-APPLIED MEMBRANES USED AS FLASHING IN EXTERIOR WALLS SHALL COMPLY WITH AAMA 714. THE FLASHING SHALL EXTEND TO THE SURFACE OF THE EXTERIOR WALL FINISH. APPROVED FLASHINGS SHALL BE INSTALLED AT THE FOLLOWING LOCATIONS:

1. EXTERIOR WINDOW AND DOOR OPENINGS. FLASHING AT EXTERIOR WINDOW AND DOOR OPENINGS SHALL EXTEND TO THE SURFACE OF THE EXTERIOR WALL FINISH AND BE SECURED TO THE WATER-RESISTIVE BARRIER WITH SEALANT. FOR SUBSEQUENT DRAINAGE, MECHANICALLY ATTACHED FLEXIBLE FLASHINGS SHALL COMPLY WITH AAMA 712. FLASHING AT EXTERIOR WINDOW AND DOOR OPENINGS SHALL BE INSTALLED IN ACCORDANCE WITH ONE OR MORE OF THE FOLLOWING.
- 1.1. THE FENESTRATION MANUFACTURER'S INSTALLATION AND FLASHING INSTRUCTIONS, OR FOR APPLICATIONS NOT ADDRESSED IN THE FENESTRATION MANUFACTURER'S INSTRUCTIONS, IN ACCORDANCE WITH THE FLASHING MANUFACTURER'S INSTRUCTIONS. WHERE FLASHING INSTRUCTIONS DETAILS ARE NOT PROVIDED, PAN FLASHING SHALL BE INSTALLED AT THE SILL OF EXTERIOR WINDOW AND DOOR OPENINGS. PAN FLASHING SHALL BE SEALED ON THE INSIDE SURFACE AS TO DIRECT WATER TO THE SURFACE OF THE EXTERIOR WALL FINISH OR TO THE WATER-RESISTIVE BARRIER. FOR SUBSEQUENT DRAINAGE, OPENINGS USING PAN FLASHING SHALL INCORPORATE FLASHING OR PROTECTION AT THE HEAD AND SIDES.
- 1.2. IN ACCORDANCE WITH THE FLASHING DESIGN OR METHOD OF A REGISTERED DESIGN PROFESSIONAL.
- 1.3. IN ACCORDANCE WITH OTHER APPROVED METHODS.
4. IN ACCORDANCE WITH FMA/AAMA 100, FMA/AAMA 200, FMA/WDMA 250, FMA/AAMA/WDMA 300 OR FMA/AAMA/WDMA 400.
2. AT THE INTERSECTION OF CHIMNEYS OR OTHER MASONRY CONSTRUCTION WITH FRAME OR STUCCO WALLS, WITH PROJECTING LIPS ON BOTH SIDES UNDER STUCCO COPINGS.
3. UNDER AND AT THE ENDS OF MASONRY, WOOD OR METAL COPINGS AND SILLS.
4. CONTINUOUSLY ABOVE ALL PROJECTING WOOD TRIM.
5. WHERE EXTERIOR PORCHES, DECKS OR STAIRS ATTACH TO A WALL OR FLOOR ASSEMBLY OF WOOD-FRAME CONSTRUCTION.
6. AT WALL AND ROOF INTERSECTIONS.
7. AT BUILT-IN GUTTERS.

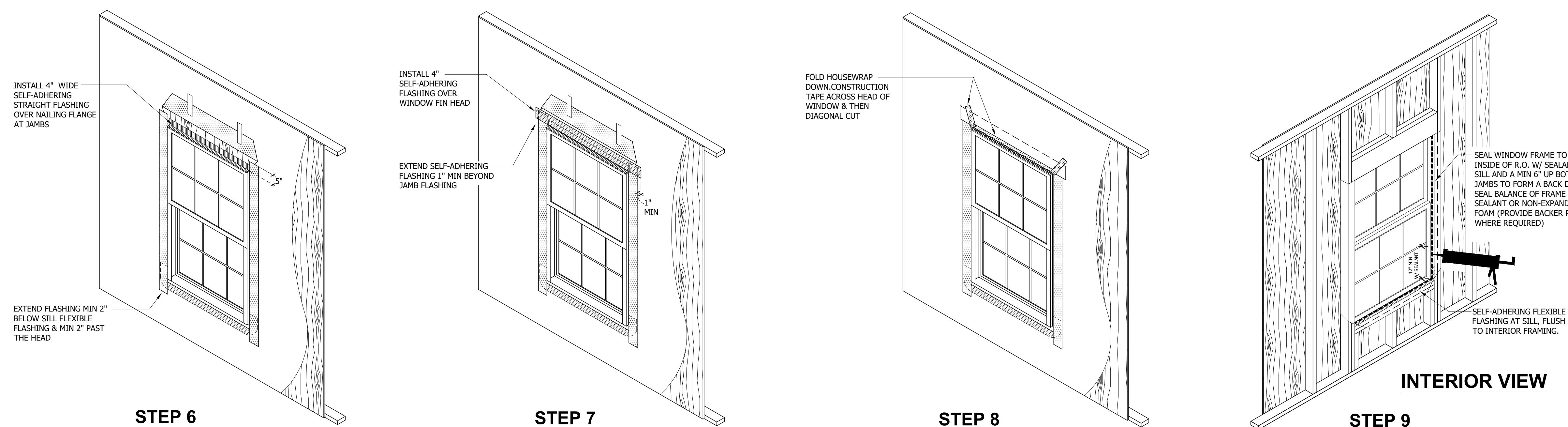
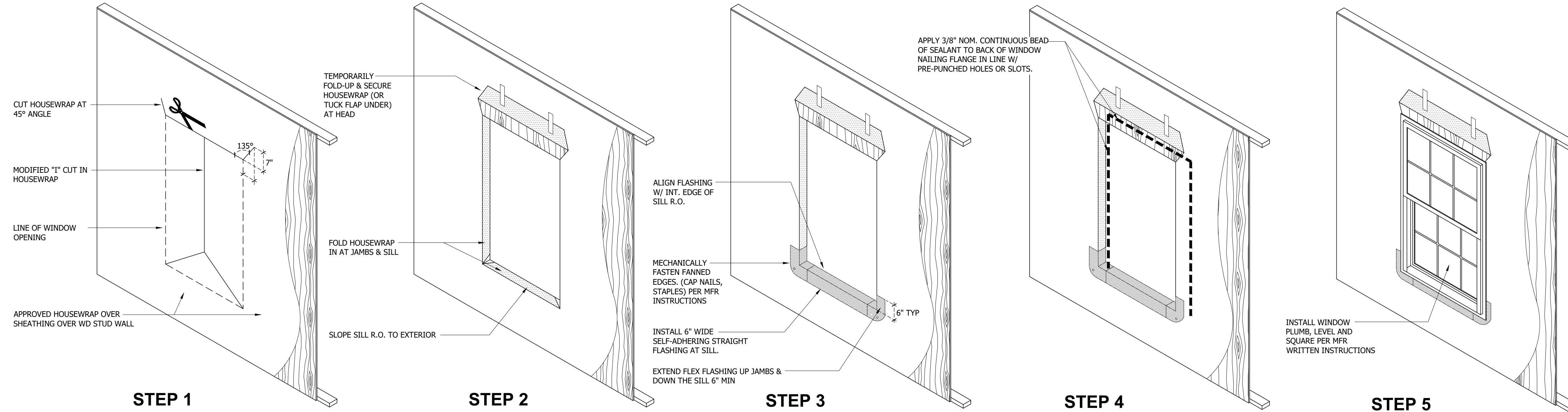
NOTE:
1. WINDOW INSTALLATION AND FLASHING DETAILS ARE CONSISTENT WITH ASTM E 2112 METHOD A-1 EXCEPT SELF-ADHERING FLASHINGS ARE USED

2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE COMPATIBILITY OF ALL PRODUCTS INCLUDING HOUSEWRAP, SEALANTS & SELF-ADHERING FLASHING MATERIALS USED DURING CONSTRUCTION.

3. INSTALL ALL MATERIALS PER MANUFACTURER'S WRITTEN SPECIFICATIONS

WARNING: SEALANTS/FLASHINGS MAY REACT ADVERSELY IF NOT COMPATIBLE.

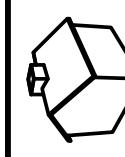
NOTE:
TYPICAL WINDOW & DOOR FLASHING
INSTALLATION DETAILS PREPARED IN
ACCORDANCE WITH FBC APPROVED
SPECIFICATIONS.



TYPICAL WINDOW FLASHING INSTALLATION DETAILS

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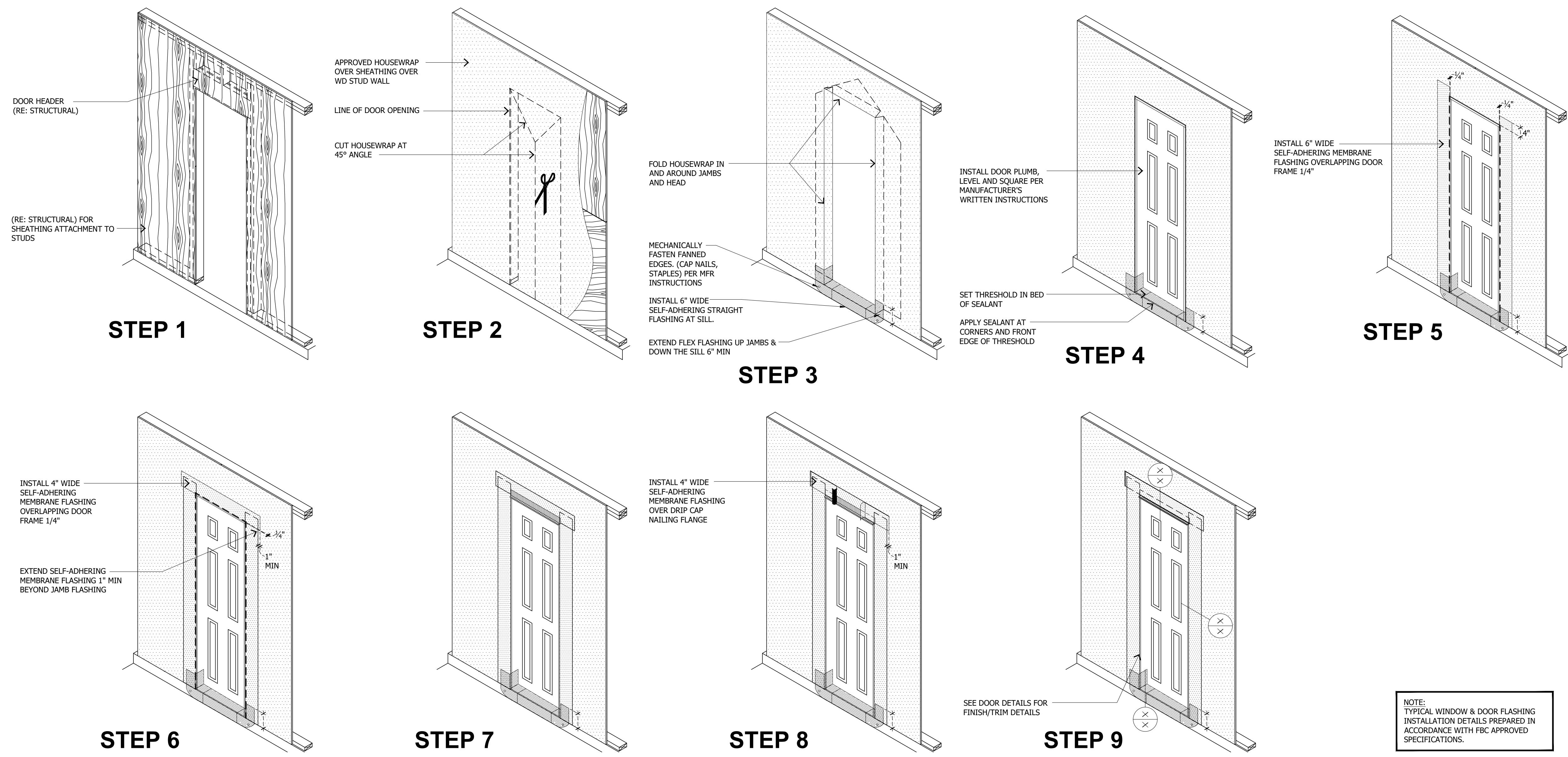
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TYPICAL EXTERIOR DOOR TAPING/FLASHING INSTALLATION DETAILS - OUTSWING & FIXED FRENCH DOORS

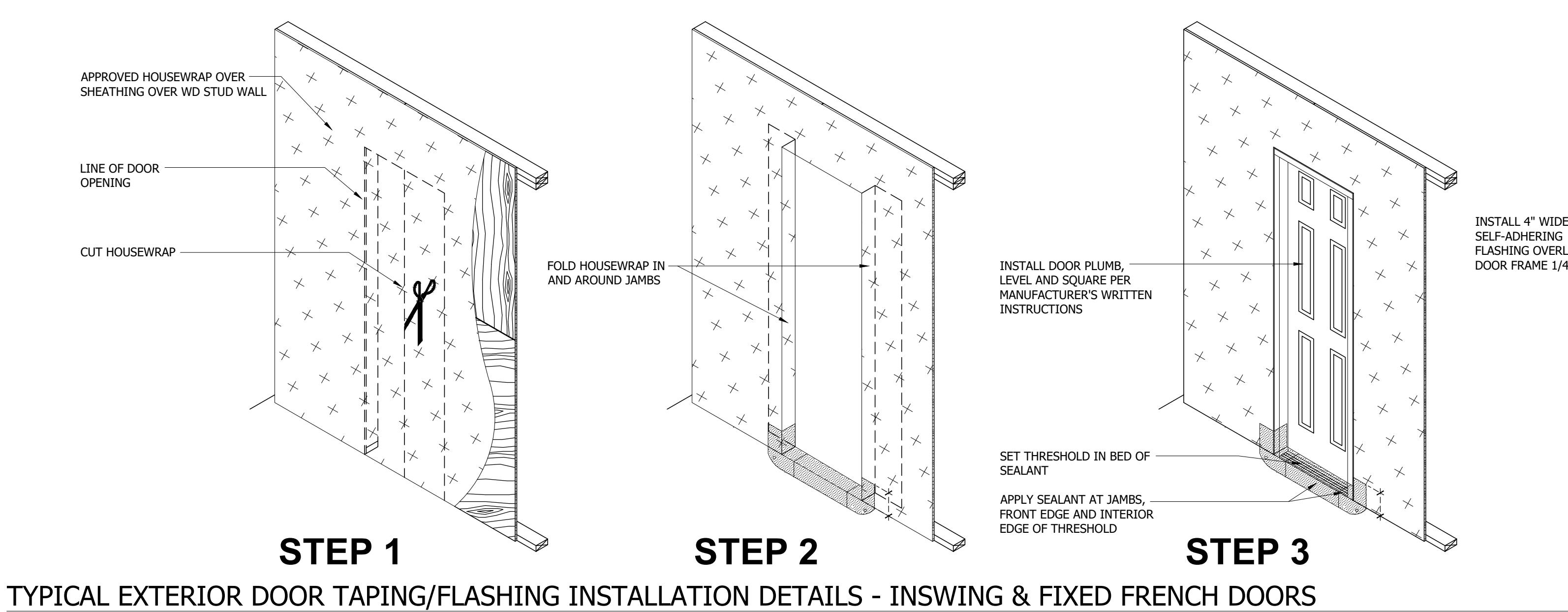
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TYPICAL EXTERIOR DOOR TAPING/FLASHING INSTALLATION DETAILS - INSWING & FIXED FRENCH DOORS



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SHEATHING WRAP AND FLASHING: THESE SPECIFICATIONS MEET OR EXCEED THE REQUIREMENTS OF: SECTION R103.13 WATER-RESISTIVE BARRIERS AND SECTION R303.2 FLASHING		DRAINAGE PLANE: ALL STUCCO SYSTEMS APPLIED OVER FRAMED SUBSTRATES SHALL INCORPORATE A DRAINAGE PLANE		WEEP SCREEDS AND CONTROL JOINTS CONTINUED: OVER THE INTERSECTION BETWEEN DIFFERENT TYPES OF CONSTRUCTION, SUCH AS THE JOINT BETWEEN WOOD FRAMING AND A BLOCK WALL. ON TALL WALLS AND LONG RUNS, APPLIED VERTICALLY OR HORIZONTALLY TO BREAK UP WALL AREAS INTO SMALLER SECTIONS (LESS THAN 18 FEET).		FINISH-COAT THICKNESS: THE FINISH COAT IS ONLY ABOUT 1/8 INCH THICK. IT SHOULD BE APPLIED AS EVENLY AS POSSIBLE TO ENSURE UNIFORM DRYING.		APPLYING SEALANT: APPLY TO CLEAN DRY SURFACES. APPLICATION TEMPERATURE: 40 DEGREES TO 80 DEGREES. PREPARE THE SURFACE USING THE FOLLOWING STRATEGIES: SCRAPE, CHIP OR BRUSH WITH A STIFF-BRISTLE BRUSH, AND DUST THE INSIDE OF THE JOINT, OR BLOW IT OUT WITH COMPRESSED AIR.		FLASHING VENT PIPE PENETRATIONS: VENT PIPES ON WOOD AND ASPHALT ROOFS ARE USUALLY FLASHED USING A PRE-ASSEMBLED METAL PAN WITH A RUBBER BOOT. ORDER THE UNIT ACCORDING TO THE OUTSIDE DIAMETER OF THE VENT PIPE. FOR SLATE AND TILE ROOFS A MALLEABLE LEAD JACKET WILL LAST LONGER.		FLASHING DETAILS: 1) NEVER RELY ON THE STICKINESS OF PEEL-AND-STICK FLASHINGS FOR SHEATHING; THE BOND IS UNLIKELY TO LAST OVER THE LIFE-SPAN OF THE HOUSE.	
ALL SHEATHING WRAP MUST BE INTEGRATED WITH FLASHING MATERIALS. IT'S NOT ENOUGH TO WRAP A HOUSE, AND THEN TO SIMPLY X-CUT THE OPENINGS AND FOLD THE FLAPS INSIDE. FOLLOW THE GUIDELINES FROM THE DETAIL SHEETS WHEN INSTALLING ANY SHEATHING WRAP.		ALL STUCCO SYSTEMS REQUIRE SHEATHING WRAP - THE PREFERRED WAY IS DOUBLE LAYERS OF HOUSE WRAP UNDER SELF-FURRED LATH. PAPER BACKED LATH COULD BE USED AS THE SECOND LAYER.		SHEATHING WRAP FOR STUCCO: ALL STUCCO SYSTEMS REQUIRE SHEATHING WRAP - THE PREFERRED WAY IS DOUBLE LAYERS OF HOUSE WRAP UNDER SELF-FURRED LATH. PAPER BACKED LATH COULD BE USED AS THE SECOND LAYER.		INCONSISTENT MIXING WILL RESULT IN OBVIOUS DIFFERENCES IN COLOR, TEXTURE, AND STRENGTH WHICH CAN CAUSE THE BATCHES TO FAIL. MAKE EVERY EFFORT TO KEEP MIX PROPORTIONS AND TIMES BETWEEN COATS CONSISTENT.		MIX PROPORTIONS: INCONSISTENT MIXING WILL RESULT IN OBVIOUS DIFFERENCES IN COLOR, TEXTURE, AND STRENGTH WHICH CAN CAUSE THE BATCHES TO FAIL. MAKE EVERY EFFORT TO KEEP MIX PROPORTIONS AND TIMES BETWEEN COATS CONSISTENT.		FLASHING VENT PIPE PENETRATIONS: VENT PIPES ON WOOD AND ASPHALT ROOFS ARE USUALLY FLASHED USING A PRE-ASSEMBLED METAL PAN WITH A RUBBER BOOT. ORDER THE UNIT ACCORDING TO THE OUTSIDE DIAMETER OF THE VENT PIPE. FOR SLATE AND TILE ROOFS A MALLEABLE LEAD JACKET WILL LAST LONGER.		FLASHING DETAILS: 1) NEVER RELY ON THE STICKINESS OF PEEL-AND-STICK FLASHINGS FOR SHEATHING; THE BOND IS UNLIKELY TO LAST OVER THE LIFE-SPAN OF THE HOUSE.	
ASPHALT-SATURATED FELT:		COMMONLY AVAILABLE IN TWO WEIGHTS, ASPHALT FELT, OR "BLACK PAPER," IS MADE FROM CORRUGATED PAPER MIXED WITH GUMDUST AND AN ASPHALT RESIN.		WHEN CHOOSING NO. 15 FELT, LOOK FOR MATERIAL RATED ASTM D4869 OR ASTM D226 STANDARD, WHICHENSURES A WEIGHT OF AT LEAST 15 LB/SQ. FEET.		PLASTIC HOUSE WRAP: PLASTIC HOUSEWRAPS TYPICALLY MADE OF POLYOLEFIN FABRIC, EITHER POLYETHYLENE OR POLYPROPYLENE. THE PRIMARY DIFFERENCE IN HOUSEWRAPS IS WHETHER OR NOT THEY ARE PERFORATED.		ALL SHEATHING WRAPS ARE MADE FROM PLASTIC FIBER THAT ALLOWS VAPOR TO PASS BETWEEN THE FIBERS. THESE GENERALLY PERFORM MUCH BETTER THAN PERFORATED PRODUCTS AT RESISTING LIQUID WATER WHICH SHOULD BE CONSIDERED THEIR PRIMARY TASK.		FLASHING VENT PIPE PENETRATIONS: VENT PIPES ON WOOD AND ASPHALT ROOFS ARE USUALLY FLASHED USING A PRE-ASSEMBLED METAL PAN WITH A RUBBER BOOT. ORDER THE UNIT ACCORDING TO THE OUTSIDE DIAMETER OF THE VENT PIPE. FOR SLATE AND TILE ROOFS A MALLEABLE LEAD JACKET WILL LAST LONGER.		FLASHING DETAILS: 1) NEVER RELY ON THE STICKINESS OF PEEL-AND-STICK FLASHINGS FOR SHEATHING; THE BOND IS UNLIKELY TO LAST OVER THE LIFE-SPAN OF THE HOUSE.	
FLASHING:		ALL PERFORATED PRODUCTS ARE MADE FROM A VAPOR-TIGHT PLASTIC, AND THEN NEEDLE-PUNCHED TO ALLOW THE WRAP TO "BREATHE" ALLOW VAPOR TO PASS THROUGH. UNFORTUNATELY, THESE HOLES ALSO ALLOW LIQUID WATER TO SEEP THROUGH, PARTICULARLY WHEN THE SIDING IS FREZZED TIGHT AGAINST IT. THE HOUSEWRAP WILL SLOW THE SEEPAGE BUT WILL NOT BLOCK IT ENTIRELY.		ALL NON-PERFORATED HOUSEWRAPS ARE MADE FROM PLASTIC FIBER THAT ALLOWS VAPOR TO PASS BETWEEN THE FIBERS. THESE GENERALLY PERFORM MUCH BETTER THAN PERFORATED PRODUCTS AT RESISTING LIQUID WATER WHICH SHOULD BE CONSIDERED THEIR PRIMARY TASK.		FLASHING: FLASHING IS A CRITICAL PART OF THE SHEATHING WRAP. THESE SPECIFICATIONS MEET OR EXCEED THE REQUIREMENTS OF: SECTION R103.11 FLASHING		FLASHING: FLASHING IS A CRITICAL PART OF THE SHEATHING WRAP. THESE SPECIFICATIONS MEET OR EXCEED THE REQUIREMENTS OF: SECTION R103.11 FLASHING		FLASHING: FLASHING IS A CRITICAL PART OF THE SHEATHING WRAP. THESE SPECIFICATIONS MEET OR EXCEED THE REQUIREMENTS OF: SECTION R103.11 FLASHING		FLASHING: FLASHING IS A CRITICAL PART OF THE SHEATHING WRAP. THESE SPECIFICATIONS MEET OR EXCEED THE REQUIREMENTS OF: SECTION R103.11 FLASHING	
HOUSEWRAPS ARE SUSCEPTIBLE TO DAMAGE FROM EXTRACTIVES THAT CAN LEACH FROM WOOD SIDING MATERIALS, PARTICULARLY CEDAR AND REDWOOD. THIS CAN BE PREVENTED IN TWO WAYS:		LAP ALL SIDING ON BATTENS TO CREATE AN AIR GAP, WHICH REDUCES CONTACT BETWEEN THE SHEATHING WRAP AND SIDING.		2) SIDE LAPS OF METAL PLASTER BASES SHALL BE WIRE TIED. THEY SHALL BE ATTACHED BETWEEN SUPPORTS AT INTERVALS NOT MORE THAN 9 INCHES.		TEXTURED FINISH OVER MASONRY: (STUCCO FINISH) TEXTURED FINISH SYSTEMS APPLIED IN ACCORDANCE WITH ASTM C 926 AND C 1063.		FLASHING: FLASHING IS A CRITICAL PART OF THE SHEATHING WRAP. THESE SPECIFICATIONS MEET OR EXCEED THE REQUIREMENTS OF: SECTION R103.11 FLASHING		FLASHING: FLASHING IS A CRITICAL PART OF THE SHEATHING WRAP. THESE SPECIFICATIONS MEET OR EXCEED THE REQUIREMENTS OF: SECTION R103.11 FLASHING		FLASHING: FLASHING IS A CRITICAL PART OF THE SHEATHING WRAP. THESE SPECIFICATIONS MEET OR EXCEED THE REQUIREMENTS OF: SECTION R103.11 FLASHING	
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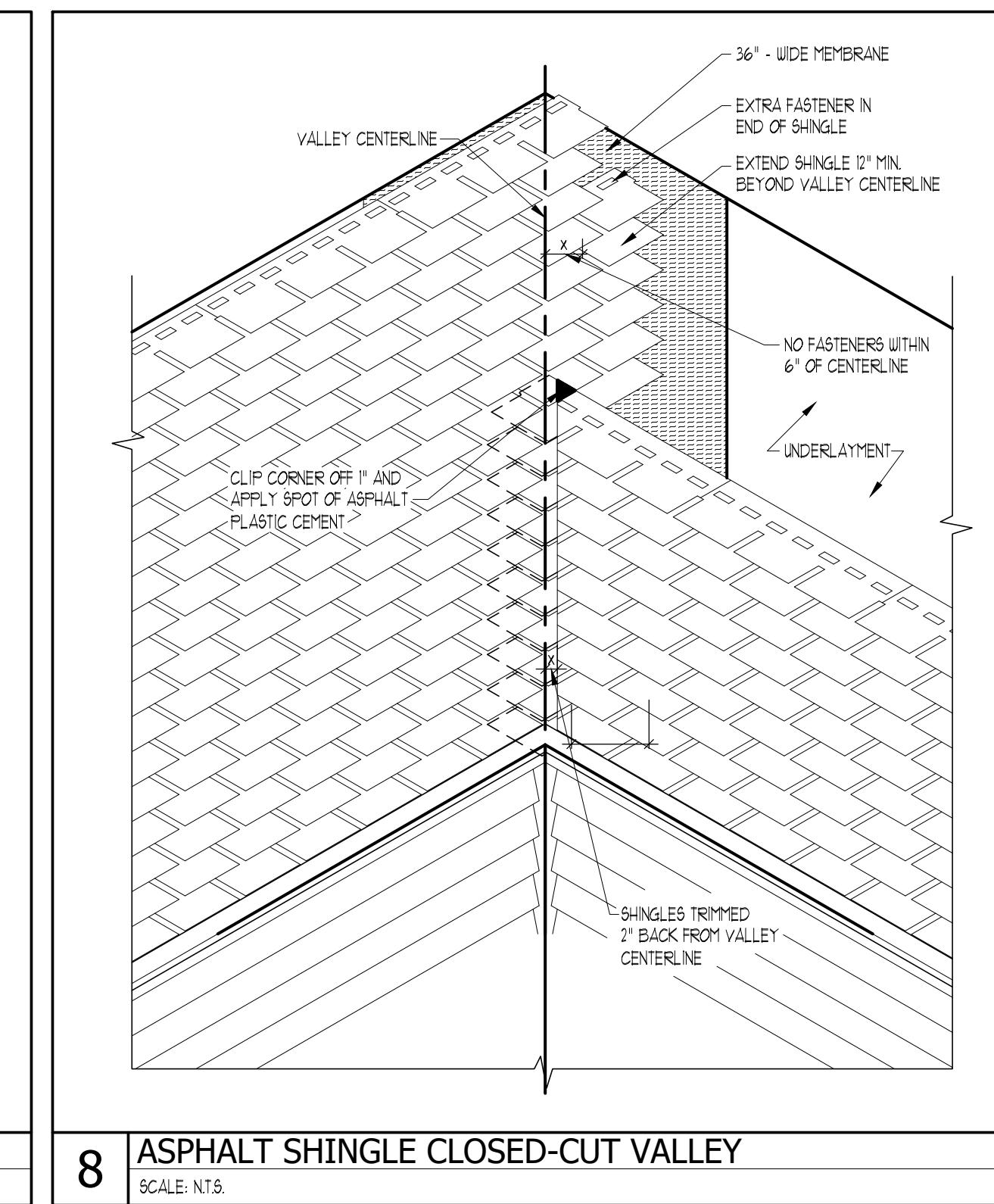
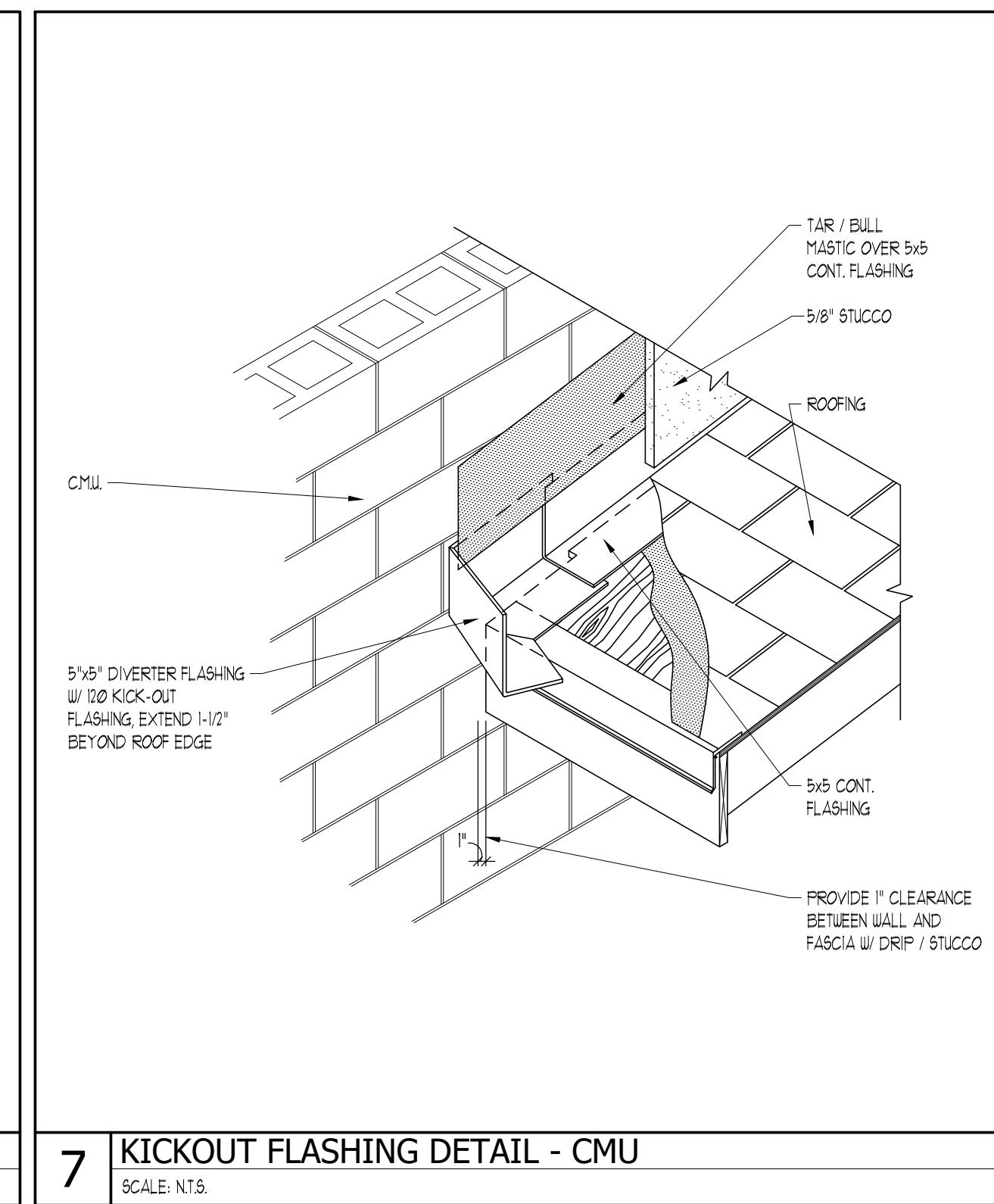
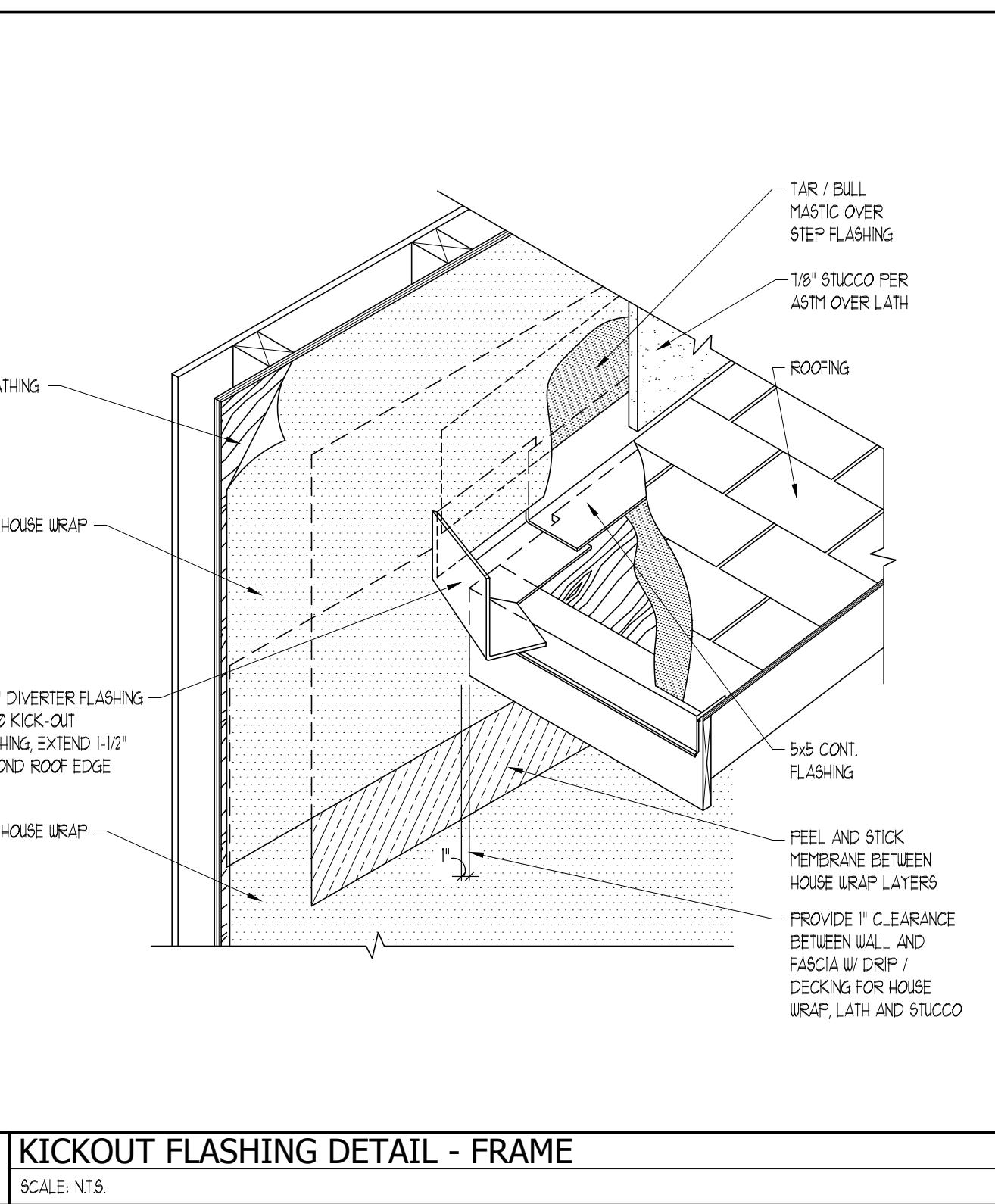
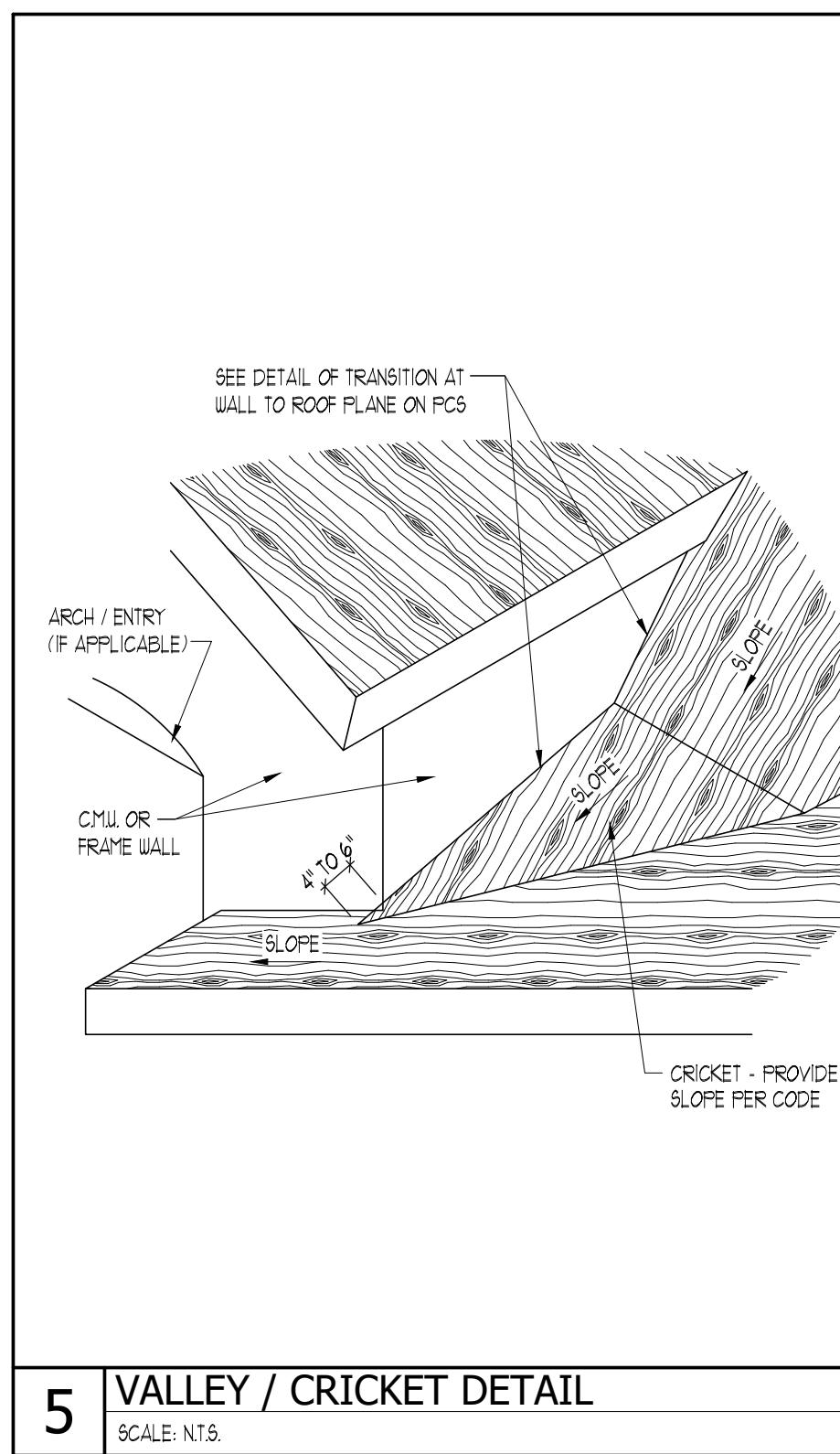
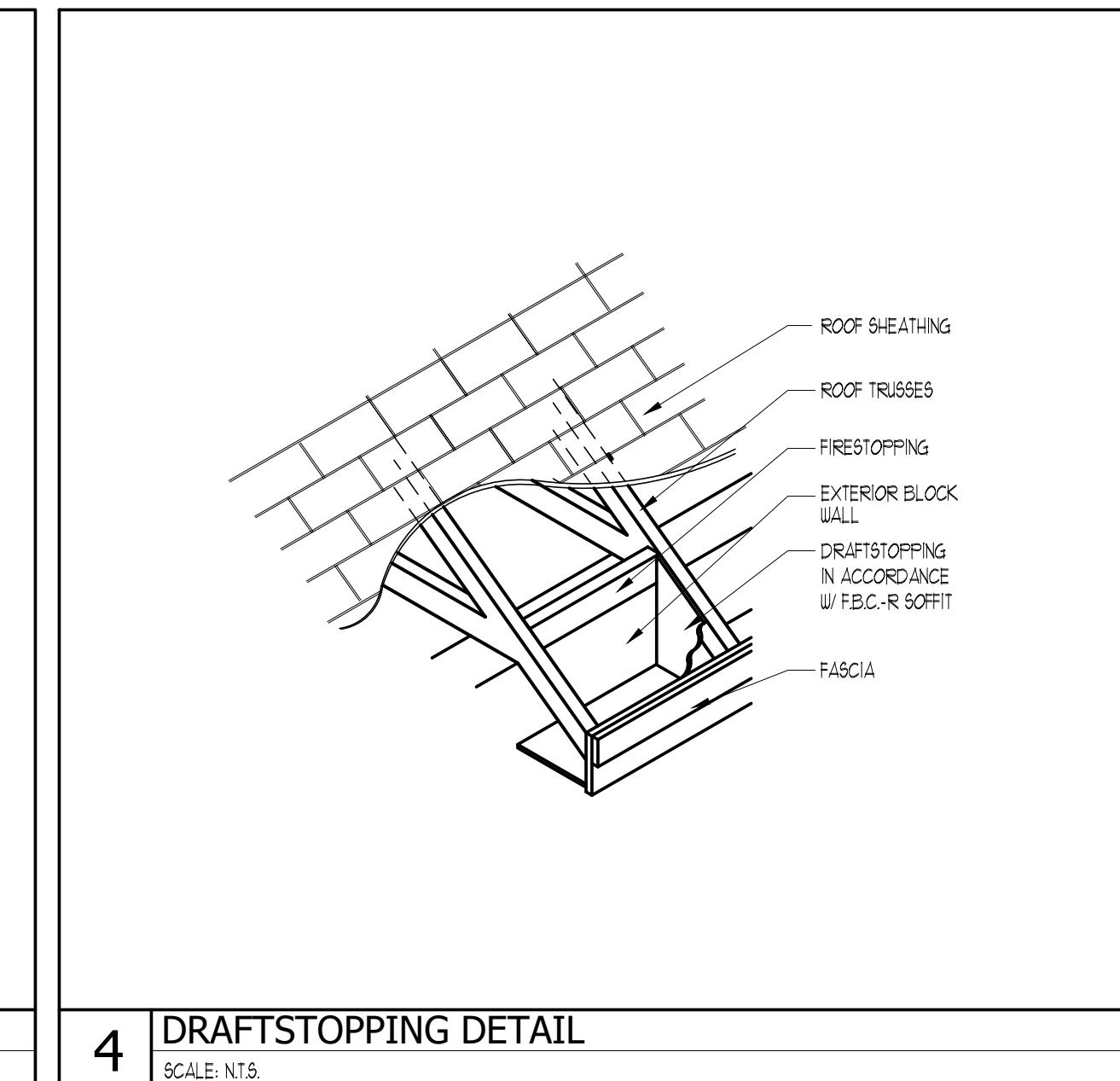
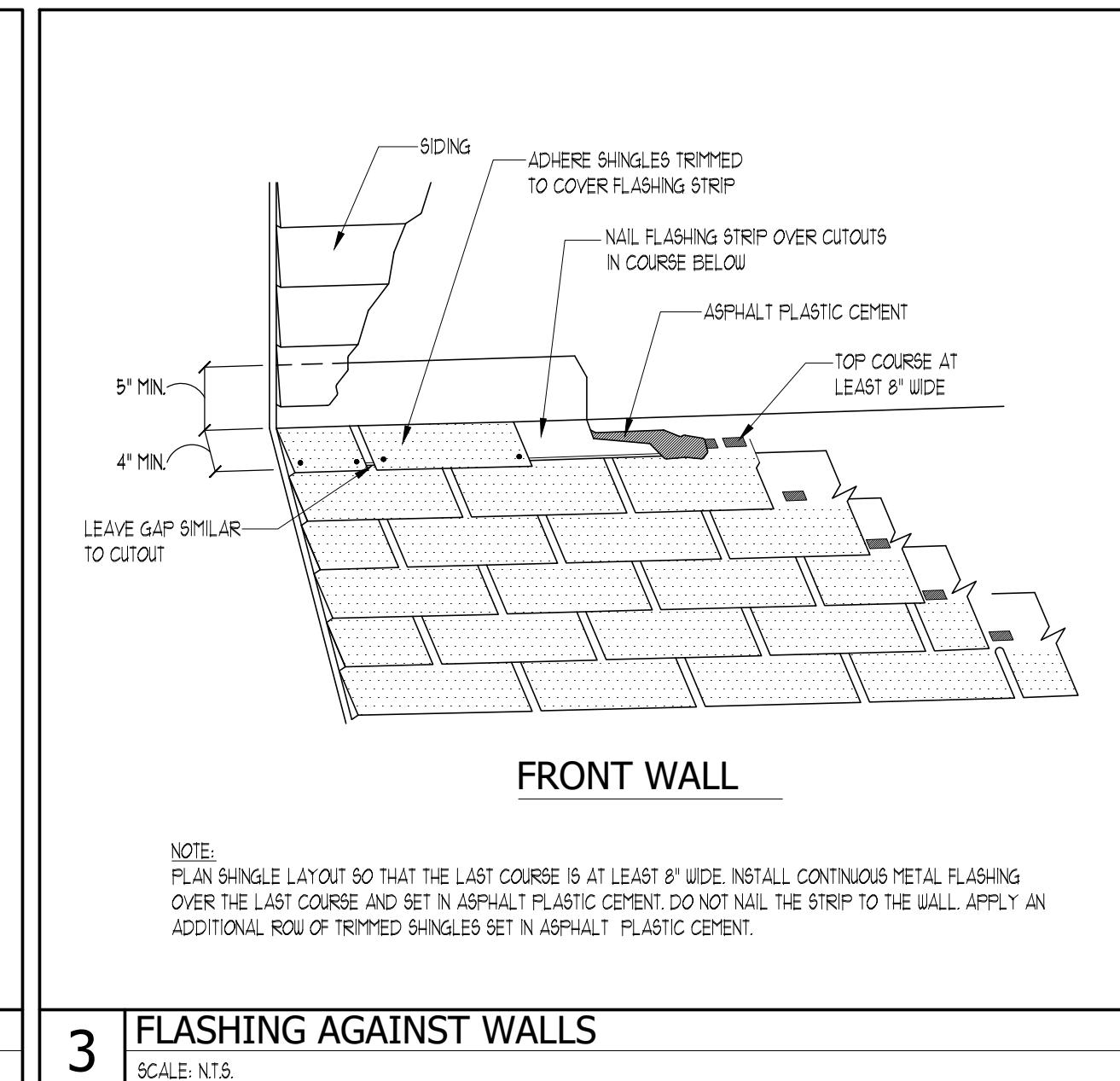
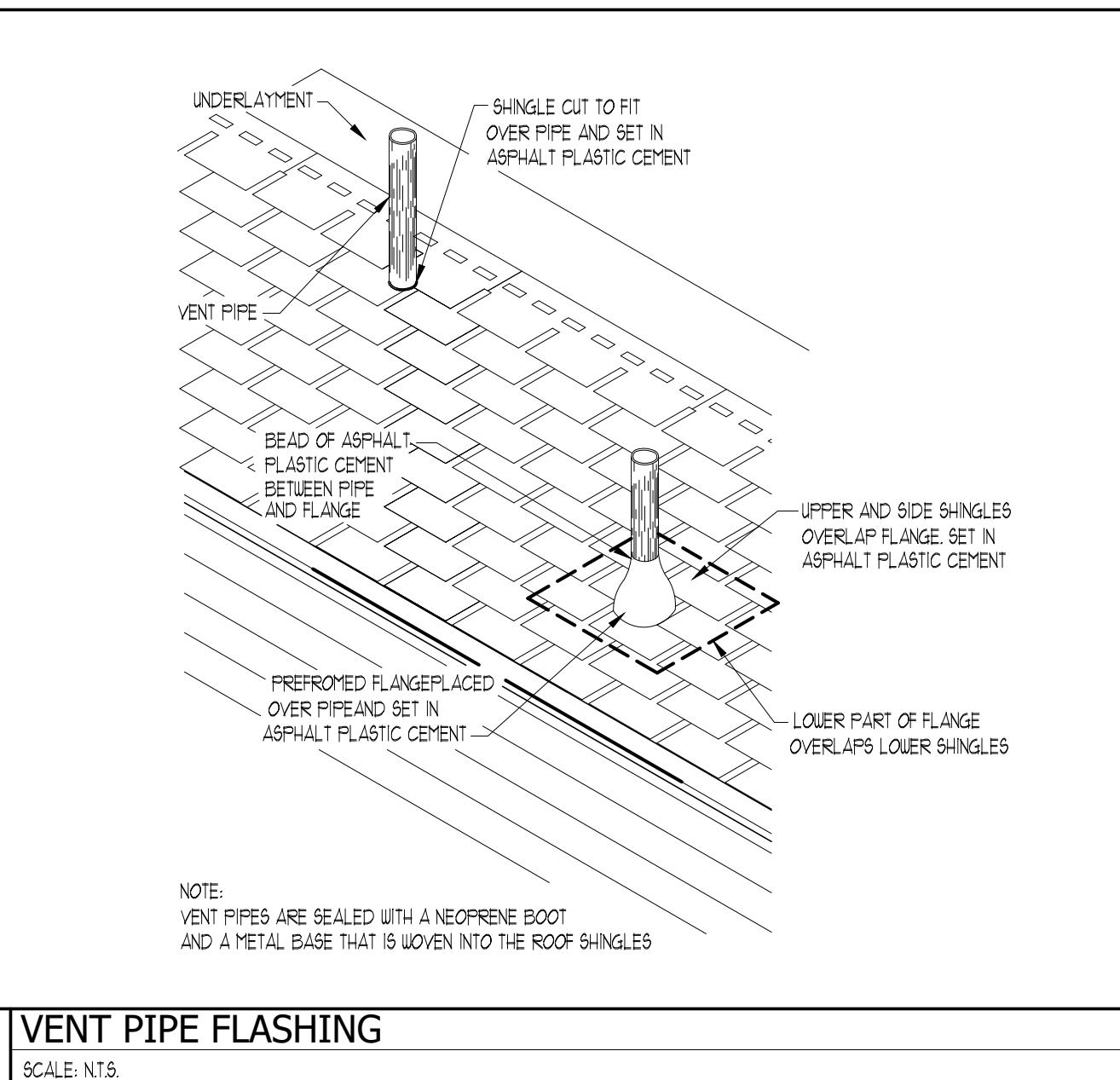
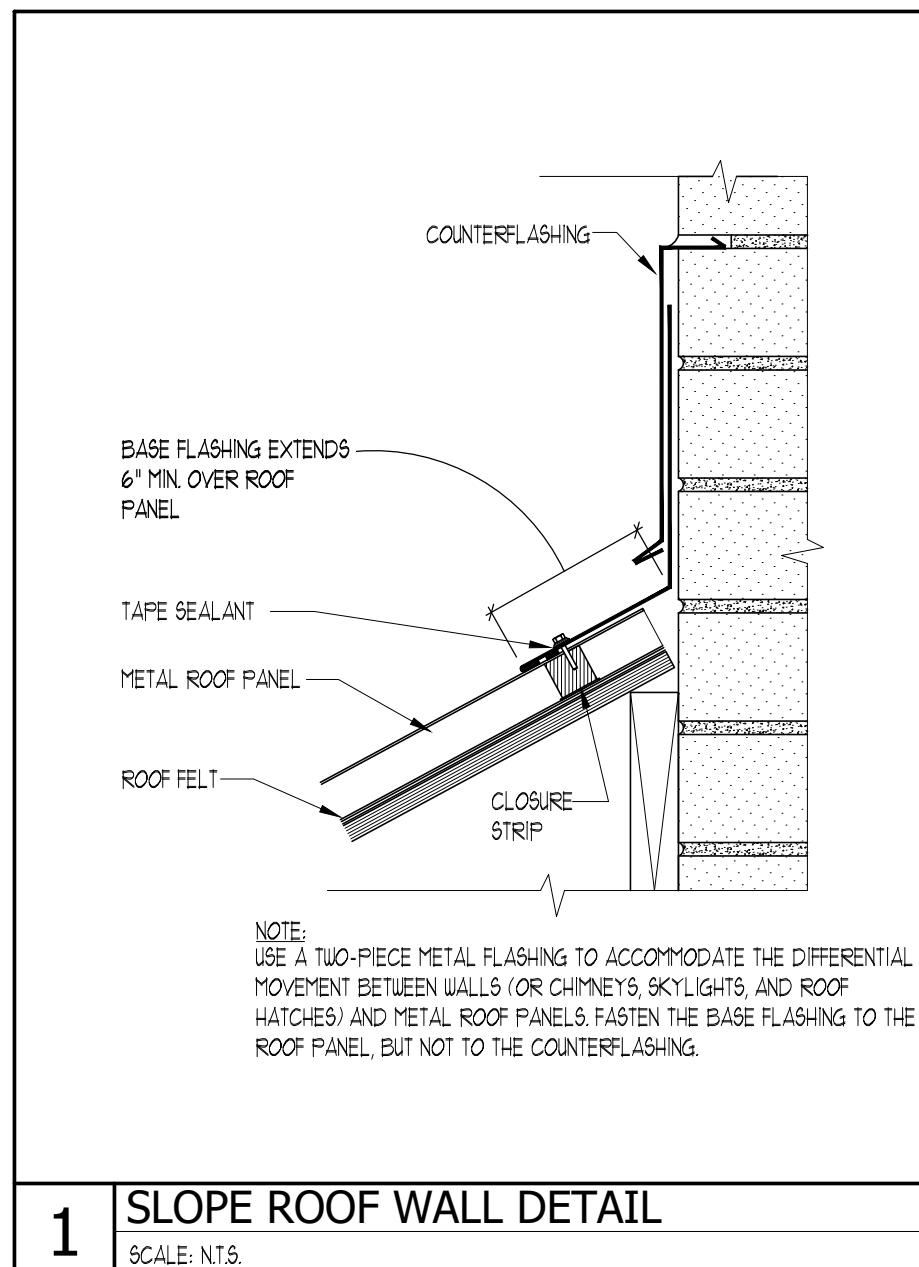
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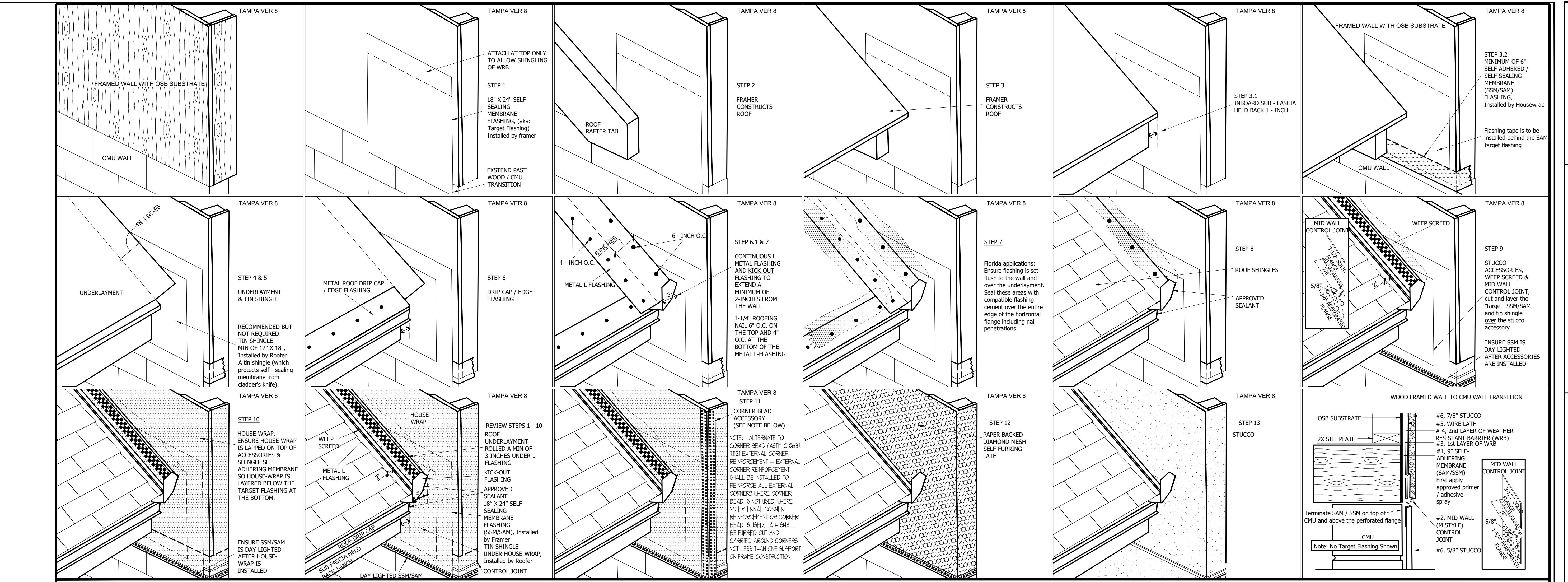
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PLAN NAME: ELEVATION: N/A
7TH EDITION (2020) FLORIDA BUILDING CODE RESIDENTIAL

SCALE : AS NOTED
DATE : 01-14-2022
VERSION NO. 1.0

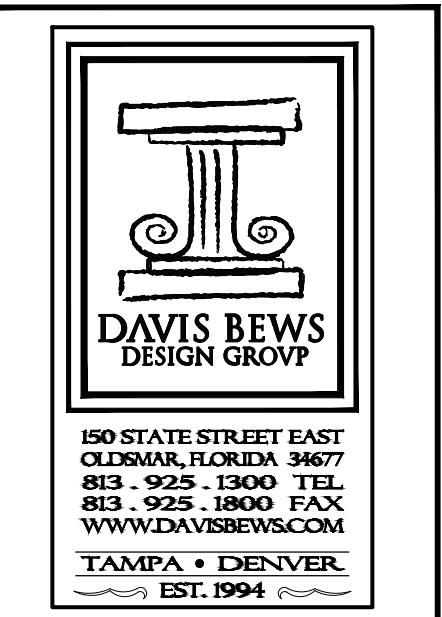
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FLASHING & WEPP SCREED DETAIL
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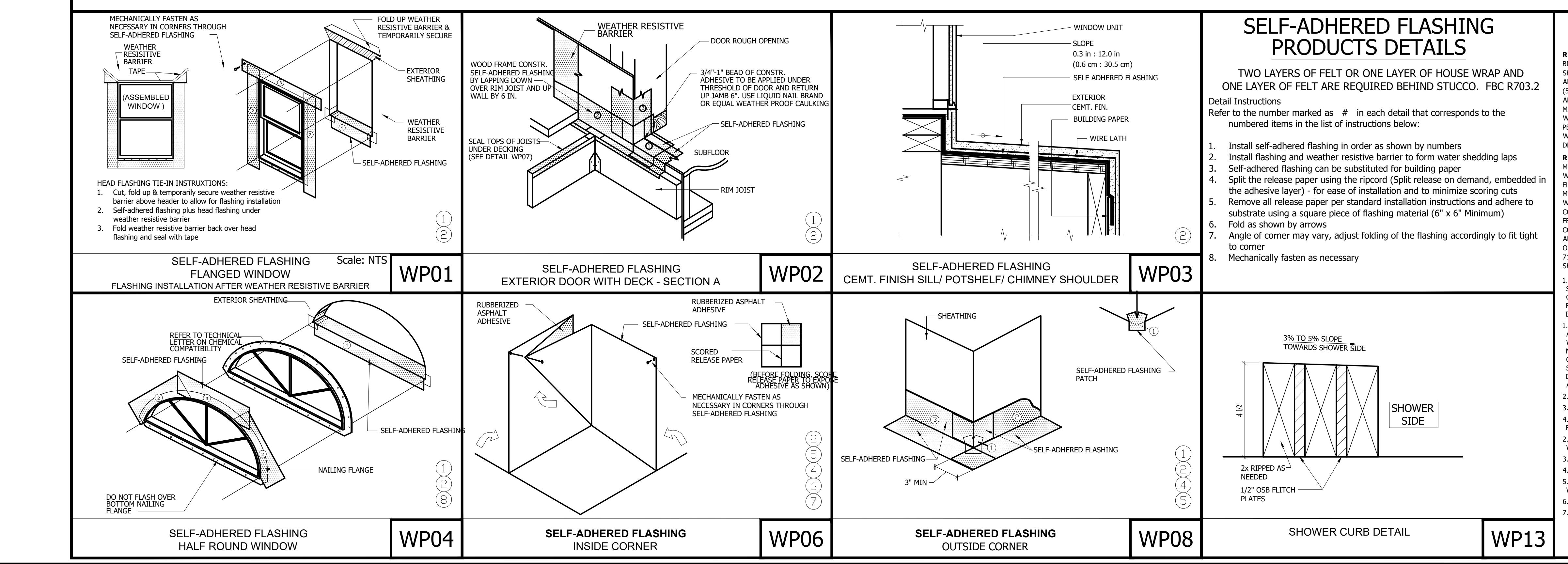


LENNAR

LENNAAR DIVISION
4301 W. Boy Scout Blvd., Suite 600
Tampa, Florida 33607
(813) 574 5700

PLAN NAME:	CONSTRUCTION DETAILS	
7TH EDITION (2020) FLORIDA BUILDING CODE RESIDENTIAL	COMMUNITY:	
JOB #:	LENNAR #:	
SCALE :	AS NOTED	
DATE :	01-14-2022	
VERSION NO.	1.0	
SHEET NO.	DT8	

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SELF-ADHERED FLASHING PRODUCTS DETAILS

TWO LAYERS OF FELT OR ONE LAYER OF HOUSE WRAP AND ONE LAYER OF FELT ARE REQUIRED BEHIND STUCCO. FBC R703.2

Detail Instructions
Refer to the number marked as # in each detail that corresponds to the numbered items in the list of instructions below:

1. Install self-adhered flashing in order as shown by numbers
2. Install flashing and weather resistive barrier to form water shedding laps
3. Self-adhered flashing plus head flashing under weather resistive barrier
4. Split the release paper using the ripcord (Split release on demand, embedded in the adhesive layer) - for ease of installation and to minimize scoring cuts
5. Remove all release paper per standard installation instructions and adhere to substrate using a square piece of flashing material (6" x 6" minimum)
6. Fold as shown by arrows
7. Angle of corner may vary, adjust folding of the flashing accordingly to fit tight to corner
8. Mechanically fasten as necessary

FLASHING REQUIREMENTS

R703.2 WATER-RESISTIVE BARRIER. ONE LAYER OF NO. 15 ASPHALT FELT, FREE FROM HOLES AND OTHER DEFECTS, SHALL BE APPLIED OVER THE EXTERIOR WALL. THE WATER-RESISTIVE BARRIER SHALL BE APPLIED OVER STUCCO OR SHEATHING OF ALL EXTERIOR WALLS. NO. 15 ASPHALT FELT SHALL BE APPLIED HORIZONTALLY, WITH THE UPPER LAYER LAPPED OVER THE LOWER LAYER NOT LESS THAN 2 INCHES (51 MM). WHERE JOINTS OCCUR, FELT SHALL BE LAPPED NOT LESS THAN 6 INCHES (152 MM). OTHER APPROVED MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH THE WATER-RESISTIVE BARRIER MANUFACTURER'S INSTALLATION INSTRUCTIONS. THE NO. 15 ASPHALT FELT OR OTHER APPROVED WATER-RESISTIVE BARRIER MATERIAL SHALL BE CONTINUOUS TO MEET THE REQUIREMENTS OF THE EXTERIOR WALL ENVELOPE AS DESCRIBED IN SECTION R703.1. THE WATER RESISTIVE BARRIER IS NOT REQUIRED FOR DETACHED ACCESSORY BUILDINGS.

R703.4 FLASHING. APPROVED FLEXIBLE FLASHING, VINYL FLASHING, SELF-ADHERED MEMBRANES AND METAL FLASHING, APPLIED AS DOUBLE FLASHING, SHALL BE APPLIED SHINGLED FASHION OR, IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS, METAL FLASHING SHALL BE CORROSION RESISTANT. FLUID-APPLIED MEMBRANES USED AS FLASHING SHALL BE APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. ALL FLASHING SHALL BE APPLIED IN A MANNER TO PREVENT THE ENTRY OF WATER INTO THE WALL CAVITY. PENETRATION OF WATER TO THE BUILDING STRUCTURAL FRAMING COMPONENTS. SELF-ADHERED MEMBRANES USED AS FLASHING SHALL COMPLY WITH ASTM A711. ALL EXTERIOR PENETRATION PRODUCTS SHALL BE SEALED AT THE JUNCTURE WITH THE BUILDING WALL WITH A SEALANT COMPLYING WITH ASTM B80 or ASTM C920 CLASS 25 GRADE 100 GREATER FOR PROPOSED JOINT EXPANSION AND CONTRACTING, ASTM C100, ASTM A812, OR OTHER APPROVED STANDARD AS APPROPRIATE FOR THE TYPE OF SEALANT. FLUID-APPLIED MEMBRANES USED AS FLASHING IN EXTERIOR WALLS SHALL COMPLY WITH ASTM 714. THE FLASHING SHALL EXTEND TO THE SURFACE OF THE EXTERIOR WALL FINISH. APPROVED FLASHINGS SHALL BE INSTALLED AT THE FOLLOWING LOCATIONS:

1. EXTERIOR WINDOW AND DOOR OPENINGS. FLASHING AT EXTERIOR WINDOW AND DOOR OPENINGS SHALL EXTEND TO THE SURFACE OF THE EXTERIOR WALL FINISH OR TO THE WATER-RESISTIVE BARRIER COMPLYING WITH SECTION 703.2. FOR SUBSEQUENT DRAINAGE, MECHANICALLY ATTACHED FLEXIBLE FLASHINGS SHALL COMPLY WITH ASTM A712. FLASHING AT EXTERIOR WINDOW AND DOOR OPENINGS SHALL BE INSTALLED IN ACCORDANCE WITH ONE OR MORE OF THE FOLLOWING.
 - 1.1. THE FENESTRATION MANUFACTURER'S INSTALLATION AND FLASHING INSTRUCTIONS, OR FOR APPLICATIONS NOT ADDRESSED IN THE FENESTRATION MANUFACTURER'S INSTRUCTIONS, IN ACCORDANCE WITH THE FLASHING DESIGN FACILITY'S INSTRUCTIONS. WHERE FLASHING OR DETAILS ARE NOT PROVIDED, PAN FLASHING SHALL BE INSTALLED AT THE JUNCTURE OF THE EXTERIOR WINDOW AND DOOR OPENINGS. PAN FLASHING SHALL BE SLOPED OR SLOPED IN SUCH A MANNER AS TO DIRECT WATER TO THE SURFACE OF THE EXTERIOR WALL FINISH OR TO THE WATER-RESISTIVE BARRIER FOR SUBSEQUENT DRAINAGE. OPENINGS USING PAN FLASHING SHALL INCORPORATE FLASHING OR PROTECTION AT THE HEAD AND SIDES.
 - 1.2. IN ACCORDANCE WITH THE FLASHING DESIGN OR METHOD OF A REGISTERED DESIGN PROFESSIONAL.
 - 1.3. IN ACCORDANCE WITH OTHER APPROVED METHODS.
2. AT THE INTERSECTION OF CHIMNEYS OR OTHER MASONRY CONSTRUCTION WITH FRAME OR STUCCO WALLS, WITH PROTECTING LIPS ON BOTH SIDES UNDER STUCCO COPINGS.
3. UNDER AND AT THE ENDS OF MASONRY, WOOD OR METAL COPINGS AND SILLS.
4. CONTINUOUSLY ABOVE ALL PROJECTING WOOD TRIM.
5. WHERE EXTERIOR PORCHES, DECKS OR STAIRS ATTACH TO A WALL OR FLOOR ASSEMBLY OF WOOD-FRAME CONSTRUCTION.
6. AT WALL AND ROOF INTERSECTIONS.
7. AT BUILT-IN GUTTERS.

THESE DETAILS ARE GENERIC AND MEANT TO SHOW GENERAL FLASHING AND WATERPROOFING METHODS TO BE USED.

HEREBY CERTIFY THAT I HAVE
REVIEWED THE ATTACHED DESIGN
AND WITH SECTION R01 OF THE
RESIDENTIAL BUILDING CODE.
THE DESIGN IS NOTIFIED
AND REQUIRES NO FURTHER LOAD
CHANGES AFTER THIS LOAD
IS APPLIED TO THE
STRUCTURE.

VORTEX ENGINEERING, LLC
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LEI#737512385
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ASED A. ANDRIANO, P.E. #185623

SEALED FOR
STRUCTURE ONLY

LENNAR

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(813) 574 5700

STRUCTURAL NOTES AND DETAILS

STRUCTURAL NOTES

NOTE: BORATE/ SENTRA CON SYSTEM APPLIED TO ALL FRAME MEMBERS WITHIN 24" A.F.F.
1) METHOD OF TREATMENT SHALL BE APPROVED BY THE GOVERNING JURISDICTION "LIQUID BORATE OR BORA-COR" PRODUCT METHODS MUST BE DETERMINED AT PERMIT STAGE.
2) PRESSURE TREATED LUMBER THAT HAS BEEN CUT OR DRILLED THAT EXPOSES UNTREATED PORTIONS OF WOOD ARE REQUIRED TO BE FIELD TREATED TO PREVENT INSECT INFESTATION.

ATTENTION: CHEMICAL CHANGES IN PRESSURE TREATED WOODS

AS OF DECEMBER 1ST, 2004, CHROMATED COPPER ARSENATE (CCA-C) WILL NO LONGER BE PRODUCED FOR RESIDENTIAL OR GENERAL CONSUMERS USE. SEVERAL NEW PRESSURE TREATED WOOD ALTERNATIVES HAVE BEEN CREATED TO REPLACE CCA-C. MANY OF THE NEW PRESSURE TREATED WOODS USE CHEMICALS THAT ARE CORROSIVE TO STEEL. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE TYPE OF WOOD TREATMENT AND TO SELECT APPROPRIATE CONNECTORS THAT RESIST CORROSION. FOR EXAMPLE, ACQ-C, ACQ-D, CBA-A, OR CA-B REQUIRE HOT-DIPPED GALVANIZED OR STAINLESS STEEL FASTENERS. DOT SODIUM BORATE (SBX) DOES NOT.

REQUIRED SAFETY GLAZING IN HAZARDOUS LOCATIONS

(PE: FBPC R208.4)

R308.3 HUMAN IMPACT LOADS: INDIVIDUAL GLAZED AREAS INCLUDING GLASS MIRRORS IN HAZARDOUS LOCATIONS SUCH AS THOSE INDICATED AS DEFINED IN SECTION R308.4 SHALL PASS THE TEST REQUIREMENTS OF CPSC 16 CFR, PART 1201 CRITERIA FOR CATEGORY I OR CATEGORY II AS INDICATED IN TABLE R308.3.1

EXCEPTION:

1. POLISHED WIRED GLASS FOR USE IN FIRE DOORS AND OTHER FIRE RESISTANT LOCATIONS SHALL COMPANY WITH ANSI Z97.1-14

2. LOUVERED WINDOWS AND JALOUSIES SHALL COMPANY WITH SECTION R308.2

R308.4 HAZARDOUS LOCATIONS.

THE FOLLOWING SHALL BE CONSIDERED SPECIFIC HAZARDOUS LOCATIONS FOR THE PURPOSE OF GLAZING:

1. GLAZING IN SWINGING DOORS EXCEPT JALOUSIES.

2. GLAZING IN FIXED AND SLIDING PANELS OF SLIDING DOOR ASSEMBLIES AND PANELS IN SLIDING AND BI-FOLD CLOSET DOOR ASSEMBLIES.

3. GLAZING IN STORM DOORS.

4. GLAZING IN ALL UNFRAMED SWINGING DOORS.

5. GLAZING IN DOORS AND ENCLOSURES FOR HOT TUBS, WHIRLPOOLS, SAUNAS, STEAM ROOMS, BATHTUBS, AND SHOWERS. GLAZING IN ANY PART OF A BUILDING WALL ENCLOSING THESE COMPARTMENTS WHERE THE BOTTOM EXPOSED EDGE OF THE GLAZING IS LESS THAN 60 INCHES (1524MM) MEASURED VERTICALLY ABOVE ANY STANDING OR WALKING SURFACE.

6. GLAZING, IN AN INDIVIDUAL FIXED OR OPERABLE PANEL ADJACENT TO A DOOR WHERE THE NEAREST VERTICAL EDGE IS WITHIN A 24-INCH(610MM) ARC OF THE DOOR IN A CLOSED POSITION AND WHOSE BOTTOM EDGE IS LESS THAN 60 INCHES (1524MM) ABOVE THE FLOOR OR WALKING SURFACE.

7. GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL, OTHER THAN THOSE LOCATIONS DESCRIBED IN ITEMS 5 AND 6 ABOVE, THAT MEETS ALL OF THE FOLLOWING CONDITIONS:

7.1 EXPOSED AREA OF AN INDIVIDUAL PANE GREATER THAN 9 SQUARE FEET (0.836 M²).

7.2 BOTTOM EDGE LESS THAN 18 INCHES (45 MM) ABOVE THE FLOOR.

7.3 TOP EDGE GREATER THAN 36 INCHES (914 MM) ABOVE THE FLOOR.

7.4 ONE OR MORE WALKING SURFACES WITHIN 36 INCHES (914 MM) HORIZONTALLY OF THE GLAZING.

8. ALL GLAZING IN RAILINGS REGARDLESS OF AN AREA OR HEIGHT ABOVE WALKING SURFACE. INCLUDED ARE STRUCTURAL BALUSTERS AND NONSTRUCTURAL IN-FILL PANELS.

9. GLAZING IN WALLS AND FENCES ENCLOSING INDOOR AND OUTDOOR SWIMMING POOLS, HOT TUBS AND SPAS WHERE THE BOTTOM EDGE OF THE GLAZING IS LESS THAN 60 INCHES (1524 MM) ABOVE A WALKING SURFACE AND WITHIN 60 INCHES (1524 MM) HORIZONTALLY OF THE WATER'S EDGE. THIS SHALL APPLY TO SINGLE GLAZING AND ALL PANES IN MULTIPLE GLAZING.

10. GLAZING ADJACENT TO STAIRWAYS, LANDINGS, AND RAMPS WITHIN 36 INCHES (914 MM) HORIZONTALLY OF A WALKING SURFACE WHEN THE EXPOSED SURFACE OF THE GLASS IS LESS THAN 60 INCHES (1524 MM) ABOVE THE PLANE OF THE ADJACENT WALKING SURFACE.

11. GLAZING ADJACENT TO STAIRWAYS WITHIN 60 INCHES (1524 MM) HORIZONTALLY OF THE BOTTOM TREAD OF A STAIRWAY IN ANY DIRECTION WHEN THE EXPOSED SURFACE OF THE GLASS IS LESS THAN 60 INCHES (1524 MM) ABOVE THE NOSE OF THE TREAD.

EXCEPTION: THE FOLLOWING PRODUCTS, MATERIALS AND USES ARE EXEMPT FROM THE ABOVE HAZARDOUS LOCATIONS:

1. OPENINGS IN DOORS THROUGH WHICH A 3-INCH(76 MM) SPHERE IS UNABLE TO PASS.

2. DECORATIVE GLASS IN ITEMS 1, 6 OR 7.

3. GLAZING IN SECTION R308.4, ITEM 6, WHEN THERE IS AN INTERVENING WALL OR OTHER PERMANENT BARRIER BETWEEN THE DOOR AND THE GLAZING.

4. GLAZING IN SECTION R308.4, ITEM 3, IN WALLS PERPENDICULAR TO THE PLANE OF THE DOOR IN A CLOSED POSITION OR WHERE ACCESS THROUGH THE DOOR IS TO A CLOSET OR STORAGE AREA 3 FEET (914 MM) OR LESS IN DEPTH. GLAZING IN THESE APPLICATIONS SHALL COMPANY WITH SECTION R308.4, ITEM 2.

5. GLAZING IN SECTION R308.4, WHEN A PROTECTIVE BAR IS INSTALLED ON THESE ACCESSIBLE SIDE(S) OF THE GLAZING 30 INCHES (762 MM) ABOVE THE FLOOR, THE BAR SHALL BE CAPABLE OF WITHSTANDING A HORIZONTAL LOAD OF 50 POUNDS PER LINEAR FOOT (KG/M) WITHOUT CONTACTING THE GLASS AND BE A MINIMUM OF 1 1/2 INCHES (38 MM) IN HEIGHT.

6. OUTBOARD PANES IN INSULATING GLASS UNITS AND OTHER MULTIPLE GLAZED PANELS IN SECTION R308.4, ITEM 7, WHEN THE BOTTOM EDGE OF THE GLASS IS 25 FEET (7620 MM) OR MORE ABOVE GRADE, A ROOF, WALKING SURFACES, OR OTHER HORIZONTAL (WITHIN 45 DEGREES (0.79 RAD) OF HORIZONTAL) SURFACE ADJACENT TO THE GLASS EXTERIOR.

7. LOUVERED WINDOWS AND JALOUSIES COMPLYING WITH THE REQUIREMENTS OF SECTION R308.2.

8. MIRRORS AND OTHER GLASS PANELS MOUNTED OR HUNG ON A SURFACE THAT PROVIDES A CONTINUOUS BACKING SUPPORT.

9. SAFETY GLAZING IN SECTION R308.4, IS NOT REQUIRED WHERE:

9.1 THE SIDE OF STAIRWAY, LANDING OR RAMP HAS A GUARDRAIL OR HANDRAIL INCLUDING BALUSTERS OR IN-FILL PANELS, COMPLYING WITH THE PREVISIONS OF SECTION 1014 OF THE FLORIDA BUILDING CODE, BUILDING, AND

9.2 THE PLANE OF THE GLASS IS GREATER THAN 18 INCHES (45 MM) FROM THE RAILING.

GENERAL STRUCTURAL NOTES:

1. CODES & REFERENCES:

- 1.1 FLORIDA BUILDING CODE, RESIDENTIAL 7th EDITION.
- 1.2 AMERICAN CONCRETE INSTITUTE OF STRUCTURAL CONCRETE (ACI 318).
- 1.3 AMERICAN CONCRETE INSTITUTE OF MASONRY STRUCTURES (TMS 402/ACI 530/ASCE 5).
- 1.3.1 THE MASONRY SOCIETY DIRECT DESIGN HANDBOOK FOR MASONRY STRUCTURES (TMS 403).
- 1.4 AMERICAN SOCIETY OF CIVIL ENGINEERS MINIMUM DESIGN LOADS FOR BUILDINGS & OTHER STRUCTURES (ASCE 7-16).
- 1.5 SPECIFICATION FOR THE DESIGN, FABRICATION & ERECTION OF STRUCTURAL STEEL FOR BUILDINGS LATEST EDITION.
- 1.6 DESIGN SPECIFICATION FOR LIGHT METAL PLATE CONNECTED WOOD TRUSSES BY THE TRUSS PLATE INSTITUTE (TPI) LATEST EDITION.
- 1.7 NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (NDS) LATEST EDITION.
- 1.8 AMERICAN WOOD ASSOCIATION DESIGN CONSTRUCTION GUIDE, (APA) LATEST EDITION.

2. DESIGN CRITERIA:

- 2.1 ROOF LOADING:

LIVE: 40 PSF

DEAD: 7 PSF FOR SHINGLE OR METAL 20 PSF FOR TILE

- 2.2 FLOOR LOADING:

LIVE: 40 PSF

DEAD: 15 PSF

- 2.4 FINISH MATERIAL DEAD LOAD NOTES:

2.4.1 FINISH FLOORING MATERIALS NOT EXCEDING 5 PSF HAVE BEEN ANTICIPATED IN THE NUMBERS ABOVE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SELECT THE TRUSS MANUFACTURER TO INCREASE THE NUMBER OF FLOORING MATERIALS WHERE ANTICIPATED THAT MATERIAL WEIGHTS WILL INCREASE.

2.4.2 IT IS THE CONTRACTOR'S RESPONSIBILITY TO INFORM THE TRUSS MANUFACTURER AND ENGINEER IF ANTICIPATED MATERIALS OR FIXTURES WILL EXCEED THE STANDARD INDUSTRY LOADS. GENERALLY STANDARD FLOORING IS AS PER 2.1. STANDARD CEILING FINISH IS 5/8" OR LESS GYPSUM MATERIAL. NON-STANDARD LOADS WOULD INCLUDE PLASTER OR TILE CEILINGS, LARGE CHANDELIER OR FAUX BEAM POINT LOADS, STONE SOAKER TUBS, MUD SET TILE FLOORING, STONE FLOORING, ETC.

- 2.5 WIND LOADING SEE TABLE FOR CRITERIA.

3. SOIL:

- 3.1 MINIMUM ALLOWABLE SOIL PRESSURE IS ASSUMED TO BE 2000 PSF AS PER TABLE R401.4.

3.2 THE FOUNDATION SYSTEM FOR THE ATTACHED PROJECT IS DESIGNED FOR A MINIMUM ALLOWABLE SOIL BEARING PRESSURE OF 2000 PSF.

- 3.3 IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SOIL CAPACITY & COMPACTION.

4. CONCRETE:

- 4.1 CONCRETE INSTALLATION & PROCEDURE TO COMPLY WITH ACI STANDARDS.

4.2 CONCRETE & MINIMUM COMPRESSIVE STRENGTH OF 2500 psi @ 28 DAYS (U.N.O.).

- 4.3 REINFORCEMENT REBARS ASTM A615 GRADE 60 (U.N.O.).

4.4 WELD WIRE FABRIC (WWF ASTM A185) OR FIBER MESH PER ASTM C1116 TYPE II 4.13. USE 0.1% BY VOLUME MINIMUM (1.5 LBS / CU YD).

- 4.5 LAP SPICES & HOOKS SEE TABLE.

5. MASONRY:

5.1 MASONRY CONSTRUCTION & MATERIALS SHALL CONFORM TO ALL REQUIREMENTS OF "SPECIFICATION FOR MASONRY STRUCTURES (ACI 530/ASCE 6/TMS 602)" PUBLISHED BY THE MASONRY SOCIETY, BOULDER, COLORADO; THE AMERICAN CONCRETE INSTITUTE, FARMINGTON HILLS, MICHIGAN & THE AMERICAN SOCIETY OF CIVIL ENGINEERS, RESTON, VIRGINIA; EXCEPT AS MODIFIED BY THE REQUIREMENTS OF THESE CONTRACT DOCUMENTS.

- 5.2 GENERAL SPECIFICATION FOR MASONRY STRUCTURES:

5.2.1 TESTING OF FIELD MATERIALS FOR QUALITY CONTROL IS NOT REQUIRED BY ENGINEER FOR THIS PROJECT.

5.2.2 COMPRESSIVE STRENGTH REQUIREMENT IS f'm=1500 PSI.

5.2.3 DETERMINATION OF COMPRESSIVE STRENGTH IS THE ALLOWABLE STRESS METHOD.

5.2.4 UNIT STRENGTH METHOD IS NOT APPLICABLE.

5.2.5 QUALITY ASSURANCE IS NOT APPLICABLE.

5.2.6 GROUT SHALL COMPLY WITH ASTM C746. GROUT SHALL BE 3000 PSI U.N.O. & HAVE A SLUMP RANGE OF 18"-22".

5.3.1 MORTAR MATERIALS SHALL BE TYPE M OR GRAY MORTAR.

5.3.2 MASONRY UNIT MATERIALS SHALL BE 1900 PSI MIN. CONCRETE MASONRY UNIT.

5.3.3 REINFORCEMENT, PRE-STRESSED TENDONS & METAL ACCESSORIES SHALL BE 60 KSI REBAR (MIN).

5.3.4 WELDED WIRE FABRIC TO BE INSTALLED AS SPECIFIED ON PLAN SET.

5.3.5 STAINLESS STEEL IS NOT APPLICABLE.

5.3.6 COATING FOR PROTECTION & PROTECTION IS NOT APPLICABLE.

5.3.7 SPRAY PROTECTION FOR FIBERGLASS, COUPERS, & END BLOCKS ARE NOT APPLICABLE.

5.3.8 PRE-STRESSING ANCHORAGE COUPLERS, & END BLOCKS ARE NOT APPLICABLE.

5.3.9 LINTELS TO BE CAST-CRETE UNLESS NOTED OTHERWISE.

5.4 EXECUTION:

5.4.1 PIPE & CONDUITS ARE NOT APPLICABLE.

5.4.2 MASONRY EXPANSION AND CONTROL JOINTS AS INDICATED IN THE PLAN SET ARE RECOMMENDATIONS ONLY, UNLESS CLEARLY DELINEATED AS "REQD".

5.4.3 WHEN USED, MASONRY CONTROL JOINTS SHOULD BE INSTALLED IN THE LOCATIONS SHOWN ON THE FLOOR PLAN AT A MINIMUM, BUT SHOULD FOLLOW THE PROVISIONS OF TMS 402/ACI 530/AISC 5.

MASONRY CONTROL JOINT TYPES INCLUDE STANDARD VERTICAL - UNKNOWN CONTROL JOINT (3/8"), AND MICHIGAN CONTROL JOINT.

6. WOOD FRAMING:

- 6.1 DIMENSIONED LUMBER SHALL BE DRESSED S4S, & SHALL BEAR THE GRADE STAMP OF THE MANUFACTURER'S ASSOCIATION.

6.2 ALL LUMBER SHALL BE SOUND, SEASONED, & FREE FROM WARP.

6.3 FRAMING WALLS & COLUMNS:

- 6.3.1 MAXIMUM OF 2 X STUD S.Y.P. COLUMNS TO BE INSTALLED @ BEAM OR GIRDER TRUSS BEARING LOCATIONS UNLESS NOTED OTHERWISE.

6.3.2 ALL TRUSS BRACING LUMBER SHALL BE S.Y.P. #2 OR BETTER.

6.3.3 INTERIOR LOAD BEARING WALL STUDS TO BE SPACED @ 16" O.C. & SHALL BE S.Y.P. #2 OR BETTER, U.N.O.

6.3.4 TYPICAL AT ALL LOAD BEARING S.P.F. COMPONENTS, #2 GRADE SHALL BE USED FOR 2x4, FOR 2x DEPTH GREATER THAN 2x4, #2 GRADE OR BETTER MAY BE USED. ALL 4x MATERIAL MAY BE #2 GRADE U.N.O.

6.3.5 INTERIOR LOAD-BEARING WALLS SHALL BE UTILITY GRADE OR BETTER, AND MAY BE SPF.

6.3.6 ENDWALLS IN ALL WALL STUDS OVER 8' @ MID-HEIGHT, & SHEATHING JOIN. BRACE CABLE ENDWALLS @ 4.0 O.C. MIN.

6.3.7 ALL LOAD BEARING WALLS SHALL HAVE S.P.F. DOUBLE TOP AND SINGLE BOTTOM PLATES & SHALL BE FASTENED PER DETAILS HEREIN. INTERIOR BEARING COLUMNS/STUD PACKS NEED NOT PENETRATE TOP AND BOTTOM PLATES AS LONG AS TOP PLATE IS OF A LUMBER GRADE EQUAL TO OR BETTER THAN THE BOTTOM CHORD OF THE TRUSS/JOIST ABOVE.

STRUCTURAL NOTES AND DETAILS

LENNAR.

LENNAAR
TAMPA DIVISION
4301 W. Boy Scout Blvd, Suite 600
Tampa, Florida 33607
(813) 574-5700

Vortex Engineering, LLC.
601 N. Belknap Street, Suite 3100
Milwaukee, WI 53202
1877 VORTEX (867-8793)
COA #2835, #2683
ANDREW J. MUSICK, P.E. #8321
ASSED A. AVEIKIAN, P.E. #86623

THE ENGINEER HAS NOT BEEN UNDERTAKEN
AND IS NOT TO BE CONSIDERED AS THE
MAINTAINING ENGINEER OF RECORD.
THE PRE-ENGINEERED FRAMES
WAS LAID OUT TO DETERMINE
AND DESERVES THE RIGHT TO NAME
AND CHANGES SHOULD BE MADE
BY THE CONTRACTOR.

SEAL FOR
STRUCTURE ONLY

NOTE:
UPLIFT VALUE
IS BASED ON
S.P.F.

LOCATION OF
SECOND H10A
(WHEN
REQUIRED)

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LENNAR TAMPA DIVISION

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Boy Scout Blvd, Suite 600
Tampa, Florida 33607
(813) 574 5700

SSTRUCTURAL NOISES AND DETAILS

AS NOTED
09-27-2021

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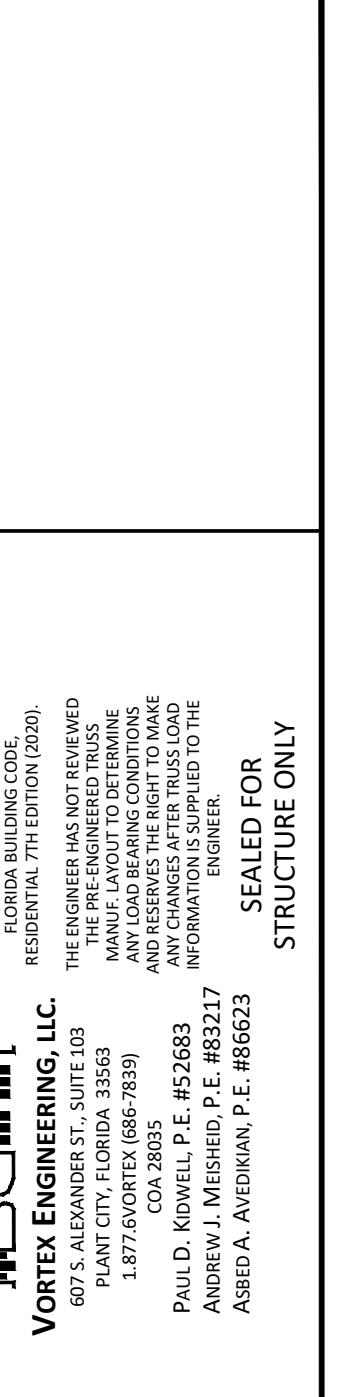
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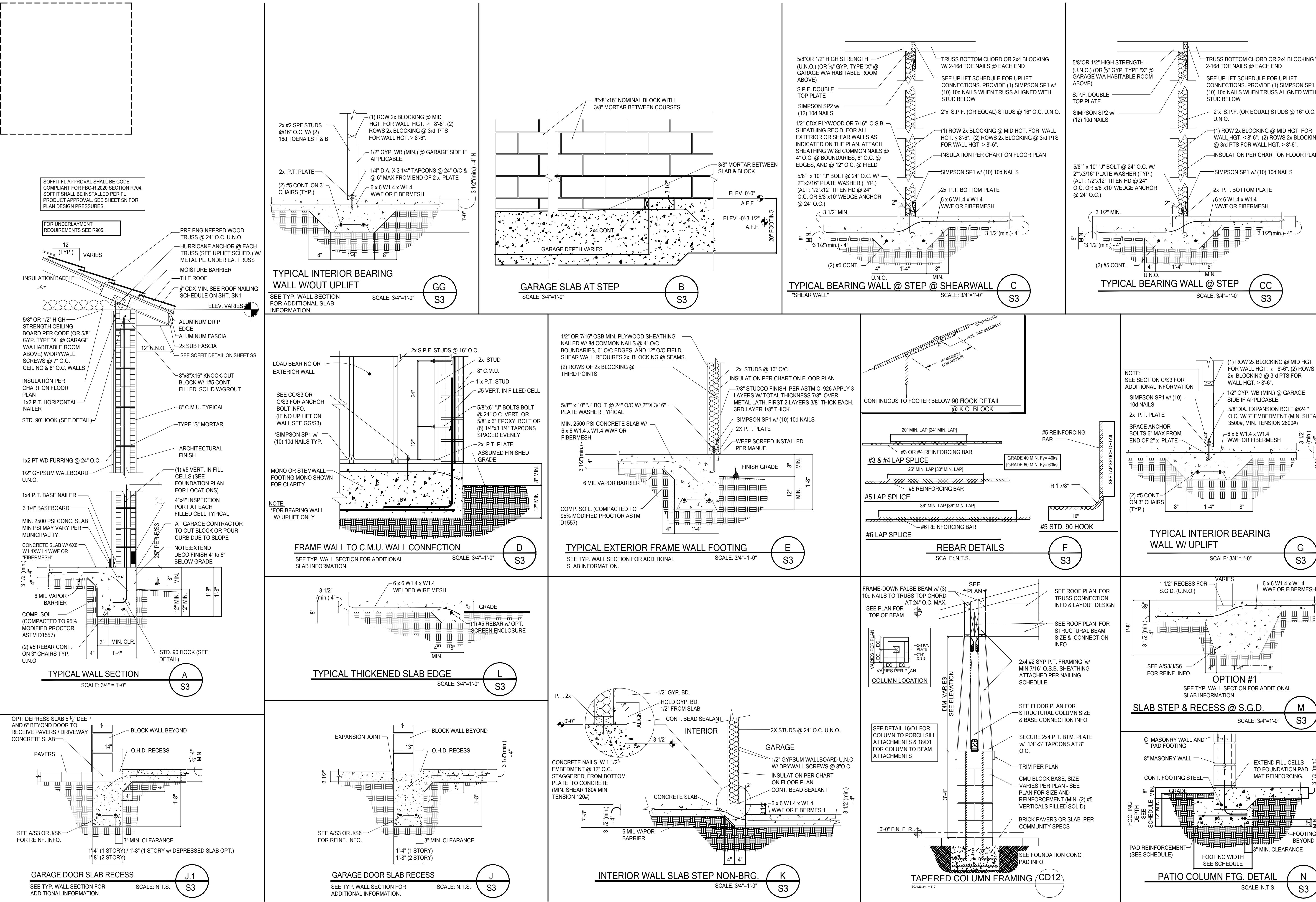
S3

S3
MONO-TILE

[View Details](#)



CLEARANCE	-4"	3 1/2" (min.)-4"
SCALE :		
DATE :		
SHEET NO.		



STRUCTURAL NOTES AND DETAILS

SCALE : AS NOTED
DATE : 09-27-2021

SHEET NO.

S4

I HEREBY CERTIFY THAT I HAVE
AND INTEND TO IN COPIE
THE FRE-ENGINEERED TRUSS
AND RESERVE THE RIGHT TO MAKE
ANY CHANGES NECESSARY
INFORMATION SUPPLIED TO THE
ENGINEER.
SEALED FOR
STRUCTURE ONLY

CO. 2025

1.877.400.7553

FLORIDA (866-8389)

POLK D. KOWELL P.E. #52683

ANDREW J. MASTERS P.E. #48217

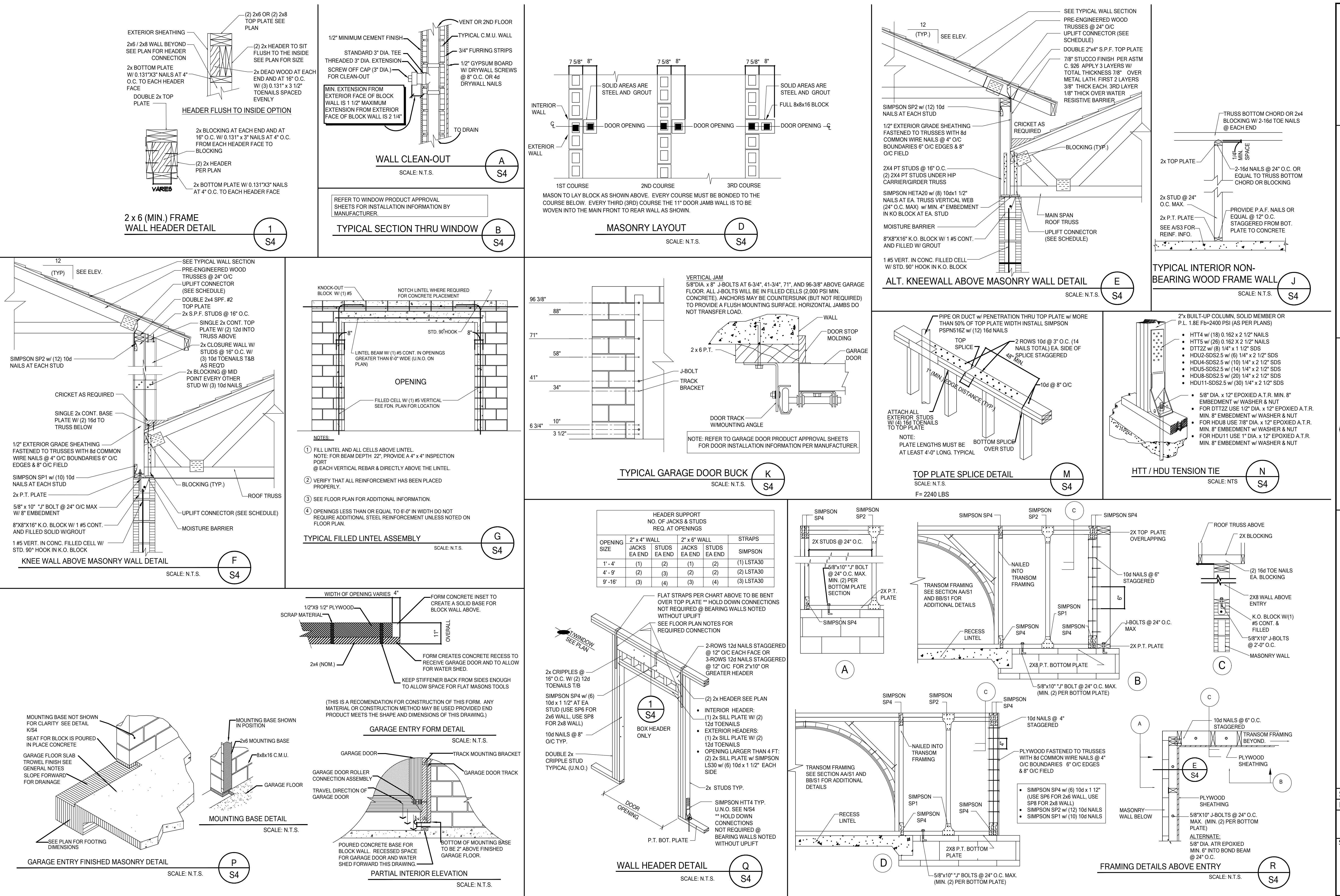
ASHLEY A. ANDRICK P.E. #86623

VORTEX ENGINEERING, LLC

1000 N. 10TH ST., SUITE 103

MELBOURNE, FL 32901

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AND RESERVE THE RIGHT TO MAKE
ANY CHANGES NECESSARY
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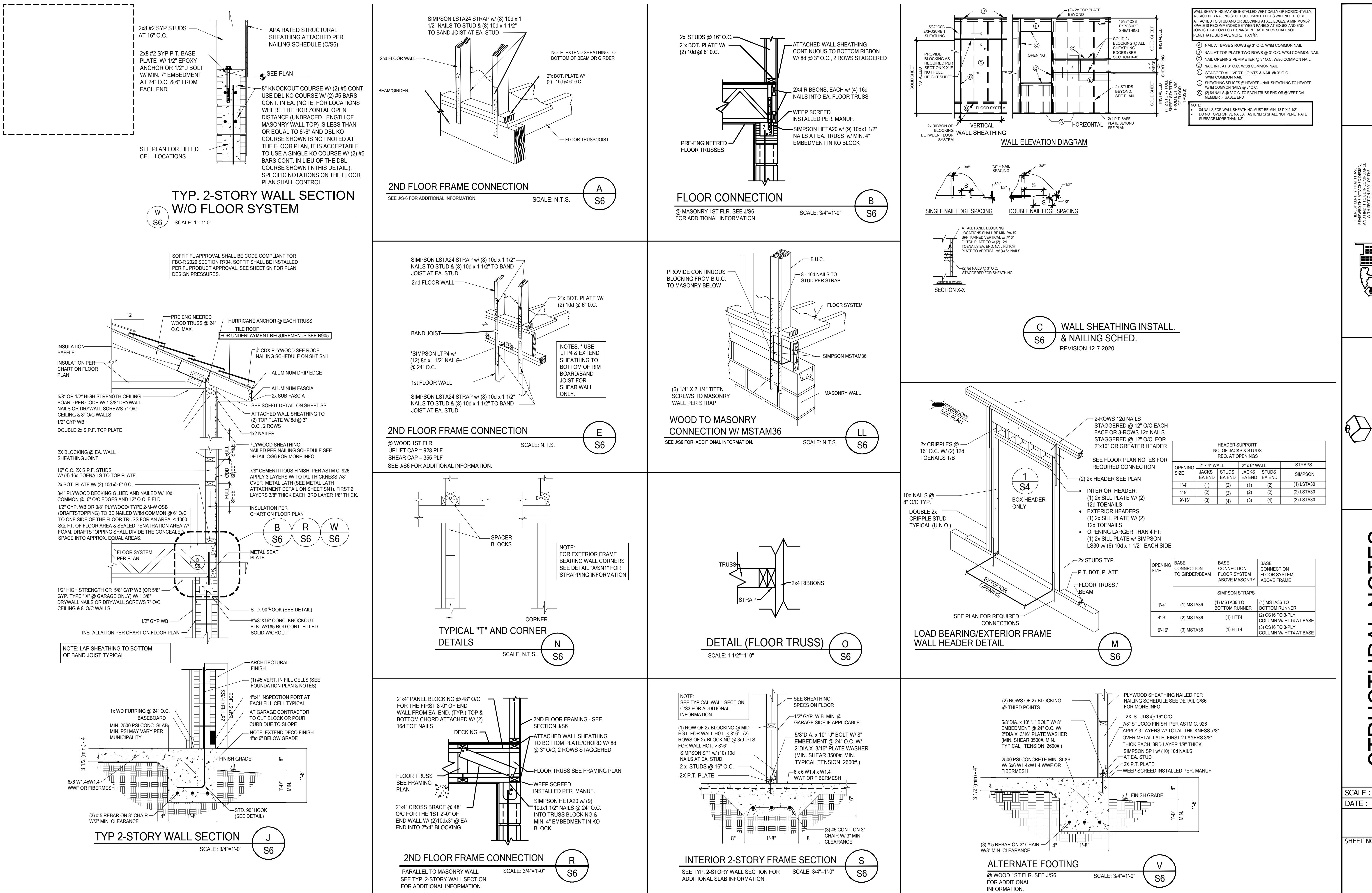
STRUCTURAL NOTES AND DETAILS

LENNAR.
LENNAR TAMPA DIVISION
4301 W Bay Scout Blvd, Suite 600
(813) 574-5700

SCALE : AS NOTED
DATE : 09-27-2021

SHEET NO. S6

MONO-TILE



I HEREBY CERTIFY THAT I HAVE
REVIEVED THE ATTACHED DESIGN,
AND THAT IT IS IN ACCORDANCE
WITH THE SET FORces AND
THE FLORIDA BUILDING CODE.
THE ENGINEER HAS NOT REVIEWED
MANUAL LAYOUT TO DETERMINE
AND LOAD BEARING CONDITIONS
AND CHANGES AFTER THIS LOAD
INFORMATION IS PROVIDED
AS SHOWN ON THIS DRAWING.
Paul D. Kuyell, P.E. #52217
Andrew A. Miesch, P.E. #86623
Asst. Eng. A. Andrianian, P.E. #86623
SEALED FOR
STRUCTURE ONLY

Vortex Engineering, LLC.
607 S. Alexander St., Suite 103
Plant City, Florida 33563
1.877.700.0043 (888-7889)
Paul D. Kuyell, P.E. #52217
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Asst. Eng. A. Andrianian, P.E. #86623

STRUCTURAL NOTES AND DETAILS

LENNAR
LENNAR TAMPA DIVISION
4301 W. Bay Scout Blvd, Suite 500
(813) 574 5700

HIERE CERTIFY THAT I HAVE READ AND UNDERSTOOD THE REQUIREMENTS OF THE CONTRACT AND THAT THE WORK PERFORMED THEREIN WAS IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
THE ENGINEER HAD BEEN ADVISED AND ADVISED THE CONTRACTOR TO TAKE ADDITIONAL MEASURES AS NECESSARY.
ANDREW J. MESSIER, P.E. #52683
ASSISTED BY ALEXANDER T. COOK, P.E. #86623
PAUL D. KIWELL, P.E. #48632
ANDREW J. MESSIER, P.E. #52683
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COA 2835
CIA 2835
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SEAL FOR STRUCTURE ONLY

STRUCTURAL NOTES AND DETAILS

DOOR JAMB DETAILS:

- 1" DETAIL:** Shows door jamb with 1x4 P.T. and 1/2" drywall, 3-1/4" long x 3-1/8" tapcon into block.
- 3" DETAIL:** Shows door jamb with 1x4 P.T. and 1/2" drywall, 3-1/8" x 3-1/2" tapcon into masonry through 1x4 P.T. & 1x8 P.T.
- 2 1/4" DETAIL:** Shows door jamb with 1x4 P.T. and 1/2" drywall, 3-1/8" x 3-1/2" tapcon into masonry through 2x8 P.T.
- 3-1/4" DETAIL:** Shows door jamb with 1x4 P.T. and 1/2" drywall, 3-1/8" x 3-1/2" tapcon into masonry through 2x8 P.T.

BUILDOUT @ OVER SIZE DOOR-WINDOW ROUGH OPENINGS: CC SS

SECTION A-A: Shows arch detail with 2x8 P.T. buck-connect to block, 1x4 furring, 1/2" drywall, 2x4 diagonal braces, and 7/16" OSB arch panel. Notes include: 1/4" max embedment, 8d nails at 8" O.C. at buck, and provide tapcon within 4" min. of brace.

SECTION B-B: Shows arch detail with 2x8 buck-connect to block, solid blkg. at top btwn. arch blkg. & buck, 2x8 vert. w/ 10d nails at ea. end, and 2x4 solid blkg. (full width of walls) btwn. osb arch faces w/ (4) 10d nails thru osb into 2x8. Notes include: 1/4" max embedment, 8d nails at 8" O.C. at buck, and provide 2 min. tapcon at ea. side buck - (1) within 4" min. of start of arch.

GLASS BLOCK INSTALLATION NOTES:

- A) COVER SILL AREA WITH A HEAVY COAT OF ASPHALT EMULSION. ALLOW EMULSION TO DRY AT LEAST 2 HOURS BEFORE PLACING MORTAR.
- B) ADHERE EXPANSION STRIPS TO JAMBS AND HEAD. MAKE CERTAIN EXPANSION STRIP EXTENDS TO SILL.
- C) SET A FULL MORTAR BED JOINT, APPLIED TO SILL.
- D) SET LOWER COURSE OF BLOCK. MAINTAIN A UNIFORM JOINT WIDTH OF 3/8" PLUS OR MINUS 1/8". ALL MORTAR JOINTS MUST BE FULL AND NOT FURROWED. ALL MORTAR SHALL BE TYPE "S" OR "N". STEEL TOOLS MUST NOT BE USED TO FAB BLOCKS INTO POSITION. (PLACE A RULER OUTSIDE OF THE MORTAR JOINT AND TAP ON THE RULER WITH A HAMMER TO REMOVE TAP OR OTHERWISE MOVE BLOCK AFTER INITIAL PLACEMENT. FOR SOLID GLASS BLOCK IT MAY BE NECESSARY TO USE WEDGES IN THE MORTAR JOINTS OF THE LOWER COURSES TO PREVENT THE MORTAR FROM BEING "SQUEEZED" OUT).
- E) INSTALL PANEL REINFORCING IN EVERY OTHER MORTAR BED HORIZONTALLY AND IN JOINTS IMMEDIATELY ABOVE AND BELOW ALL OPENINGS WITHIN PANELS. (THE SAME SPACING SHALL APPLY TO PANEL ANCHORS WHEN USED AT JAMBS AND HEADS IN LIEU OF CHANNEL OR CHASE SURROUNDS.) RUN REINFORCING CONTINUOUSLY FROM END TO END OF PANELS. LAP REINFORCING NOT LESS THAN 6 INCHES WHENEVER IT IS NECESSARY TO USE MORE THAN ONE LENGTH. DO NOT BRIDGE EXPANSION JOINTS WITH REINFORCING. INSTALL REINFORCING AS FOLLOWS:
 - PLACE LOWER HALF OF MORTAR IN BED JOINT. DO NOT FURROW.
 - PRESS PANEL REINFORCING INTO PLACE.
 - COVER PANEL REINFORCING WITH UPPER HALF OF MORTAR BED AND TROWEL SMOOTH. DO NO FURROW.
- F) PLACE FULL MORTAR BED FOR JOINTS NOT REQUIRING PANEL REINFORCING - DO NOT FURROW. MAINTAIN UNIFORM JOINT WIDTH.
- G) SET SUCCEEDING COURSE OF BLOCKS. SPACE AT HEAD OF PANEL AND JAMBS MUST REMAIN FREE OF MORTAR.
- H) STRIKE JOINTS SMOOTH WHILE MORTAR IS STILL PLASTIC AND BEFORE FINAL SET. AT THIS TIME RAKE OUT ALL SPACES REQUIRING SEALANT TO A DEPTH EQUAL TO THE WIDTH OF THE SPACES. REMOVE EXCESS MORTAR FROM FACES OF GLASS BLOCKS AND WIPE DRY. TOO MUCH SMOOTH AND COARSE AFFECTS THE STRENGTH OF THE JOINT. SEE THE WEDGES FROM LOWER COURSES OF SOLID BLOCKS AND POINT THE WEDGES WITH MORTAR.)
- I) AFTER FINAL MORTAR SET (APPROX. 24 HOURS), INSTALL PACKING TIGHTLY BETWEEN GLASS BLOCK PANEL AND JAMB AND HEAD CONSTRUCTION. LEAVE SPACE FOR SEALING.
- J) APPLY SEALANT EVENLY TO THE FULL DEPTH OF RECESSES IN ACCORDANCE WITH THE MANUFACTURER'S APPLICATION MANUAL AND INSTRUCTIONS.
- K) A MAXIMUM OF 60 SQUARE FEET OF GLASS BLOCK MAY BE INSTALLED IN ANY OPENING FOR WIND SPEEDS UP TO 110 MPH. PER PITTSBURG CORNING RECOMMENDATIONS FOR INSTALLATION OF GLASS BLOCK.

GLASS BLOCK DETAIL: Shows glass block detail with 20 ga. panel anchor, 9 ga. panel reinforcing, expansion strips, sealant, and 6" min. lap splice w/ reinforcing panel. Notes: SEE GLASS BLOCK INSTALLATION NOTES.

SECTION AT DEEP MONO FOUNDATION: SCALE: 3/4" = 1'-0"

SECTION @ ROOF EXTENSION: M SS

SECTION @ ROOF EXTENSION: Shows section at roof extension with masonry wall, truss, connector, precast lintel, and center soffit. Notes: SEE ELEVATION FOR OVERHANG (MAX. 4'-0")

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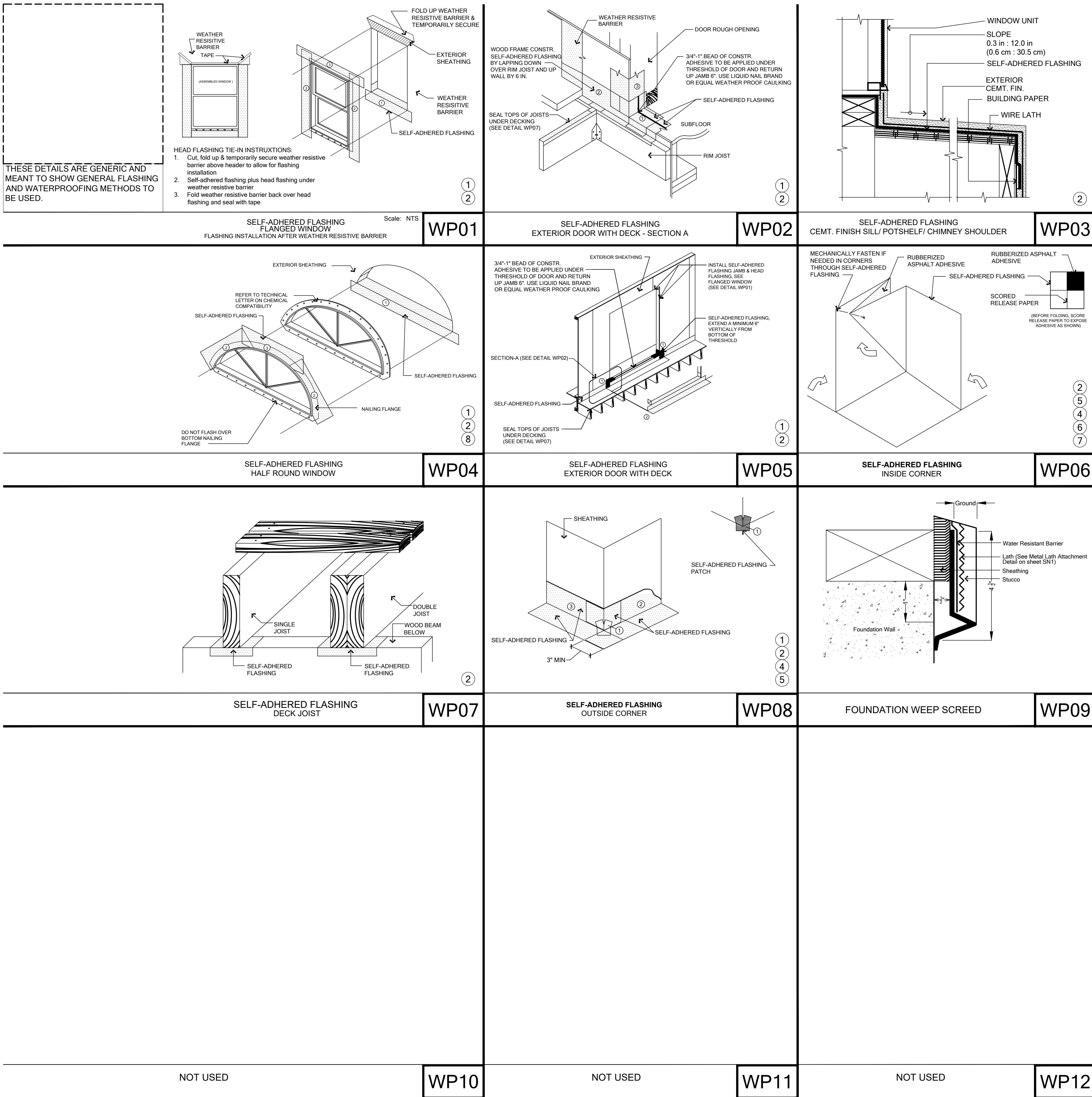
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WATERPROOFING DETAILS

LENNAR
LENNAR TAMPA DIVISION
4301 W. Boy Scout Blvd, Suite 600
Tampa, Florida 33607
(813) 574-5707



FLASHING REQUIREMENTS

R703.2 WATER-RESISTIVE BARRIER. ONE LAYER OF NO. 15 ASPHALT FELT, FREE FROM HOLES AND BREAKS, COMPLYING WITH ASTM D226 FOR TYPE 1 FELT OR OTHER APPROVED WATER-RESISTIVE BARRIER SHALL BE APPLIED OVER STUDS OR SHEATHING OF ALL EXTERIOR WALLS. NO. 15 ASPHALT FELT SHALL BE APPLIED HORIZONTALLY, WITH OTHER APPROVED LAYER LAYING OVER LOWER LAYER NOT LESS THAN 2 INCHES (51 MM). WHERE JOINTS OCCUR, FELT SHALL LAPPED NOT LESS THAN 6 INCHES (152 MM). OTHER APPROVED WATER-RESISTIVE BARRIER SHALL BE APPLIED IN ACCORDANCE WITH THE WATER-RESISTIVE BARRIER MANUFACTURER'S INSTALLATION INSTRUCTIONS. THE NO. 15 ASPHALT FELT OR OTHER APPROVED WATER-RESISTIVE BARRIER MATERIAL SHALL BE CONTINUOUS TO THE TOP OF WALL AND TERMINATED AT PENETRATIONS AND BUILDING APPENDAGES IN A MANNER TO MEET THE REQUIREMENTS OF THE EXTERIOR WALL ENVELOPE AS DESCRIBED IN SECTION R703.1. THE WATER RESISTIVE BARRIER IS NOT REQUIRED FOR DETACHED ACCESSORY BUILDINGS.

R703.4 FLASHING. APPROVED METAL FLASHING, VINYL FLASHING, SELF-ADHERED MEMBRANES AND MECHANICALLY ATTACHED FLEXIBLE FLASHING SHALL BE APPLIED SHINGLE-FASHION OR IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. METAL FLASHING SHALL BE CORROSION RESISTANT. FLUID-APPLIED MEMBRANES USED AS FLASHING SHALL BE APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. ALL FLASHING SHALL BE APPLIED IN A MANNER TO PREVENT THE ENTRY OF WATER INTO THE WALL CAVITY OR PENETRATION OF WATER TO THE BUILDING STRUCTURAL FRAMING COMPONENTS. SELF-ADHERED MEMBRANES USED AS FLASHING SHALL COMPLY WITH AAMA 711. ALL EXTERIOR FENESTRATION PRODUCTS SHALL BE SEALED AT THE JUNCTURE WITH THE BUILDING WALL WITH A SEALANT COMPLYING WITH AAMA 800 OR ASTM C920 CLASS 25 GRADE NS OR GREATER FOR PROPER JOINT EXPANSION AND CONTRACTION. ASTM C1281, AAMA 812, OR OTHER APPROVED STANDARD AS APPROPRIATE FOR THE TYPE OF SEALANT. FLUID-APPLIED MEMBRANES USED AS FLASHING IN EXTERIOR WALLS SHALL COMPLY WITH AAMA 714. THE FLASHING SHALL EXTEND TO THE SURFACE OF THE EXTERIOR WALL FINISH. APPROVED FLASHINGS SHALL BE INSTALLED AT THE FOLLOWING LOCATIONS:

1. EXTERIOR WINDOW AND DOOR OPENINGS. FLASHING AT EXTERIOR WINDOW AND DOOR OPENINGS SHALL EXTEND TO THE SURFACE OF THE EXTERIOR WALL FINISH OR TO THE WATER-RESISTIVE BARRIER COMPLYING WITH SECTION 703.2 FOR SUBSEQUENT DRAINAGE. MECHANICALLY ATTACHED FLEXIBLE FLASHINGS SHALL COMPLY WITH AAMA 712. FLASHING AT EXTERIOR WINDOW AND DOOR OPENINGS SHALL BE INSTALLED IN ACCORDANCE WITH ONE OR MORE OF THE FOLLOWING.
- 1.1. THE FENESTRATION MANUFACTURER'S INSTALLATION AND FLASHING INSTRUCTIONS, OR FOR APPLICATIONS NOT ADDRESSED IN THE FENESTRATION MANUFACTURER'S INSTRUCTIONS, THE MANUFACTURER'S APPROVED METAL FLASHING INSTRUCTIONS. IF FENESTRATION MANUFACTURER'S INSTRUCTIONS OR DETAILS ARE NOT PROVIDED, PAN FLASHING SHALL BE INSTALLED AT THE SILL OF EXTERIOR WINDOW AND DOOR OPENINGS. PAN FLASHING SHALL BE SEALED OR SLOPED IN SUCH A MANNER AS TO DIRECT WATER TO THE SURFACE OF THE EXTERIOR WALL FINISH OR TO THE WATER-RESISTIVE BARRIER FOR SUBSEQUENT DRAINAGE. OPENINGS USING PAN FLASHING SHALL INCORPORATE FLASHING OR PROTECTION AT THE HEAD AND SIDES.
2. 1.2 IN ACCORDANCE WITH THE FLASHING DESIGN OR METHOD OF A REGISTERED DESIGN PROFESSIONAL.
3. 1.3 IN ACCORDANCE WITH OTHER APPROVED METHODS.
4. 1.4 IN ACCORDANCE WITH FMA/AAMA 100, FMA/AAMA 200, FMA/WDMA 250, FMA/AAMA/WDMA 300 OR FMA/AAMA/WDMA 400.
5. 2. AT THE INTERSECTION OF CHIMNEYS OR OTHER MASONRY CONSTRUCTION WITH FRAME OR STUCCO WALLS, WITH PROJECTING LIPS ON BOTH SIDES UNDER STUCCO COPINGS.
6. 3. UNDER AND AT THE ENDS OF MASONRY, WOOD OR METAL COPINGS AND SILLS.
7. 4. CONTINUOUSLY ABOVE ALL PROJECTIONS WOOD TRIM.
8. 5. WHERE EXTERIOR PORCHES, DECKS OR STAIRS ATTACH TO A WALL OR FLOOR ASSEMBLY OF WOOD-FRAME CONSTRUCTION.
9. 6. AT WALL AND ROOF INTERSECTIONS.
10. 7. AT BUILT-IN GUTTERS.

R703.6.2.1 Weep Screeds

A Minimum 0.019-inch (No. 26 Galv. sheet gage), corrosion-resistant weep screed or plastic weep screed, with a minimum vertical attachment flange of 3 1/2" shall be provided at or below the foundation plate line on exterior stud walls in accordance with ASTM C 926.

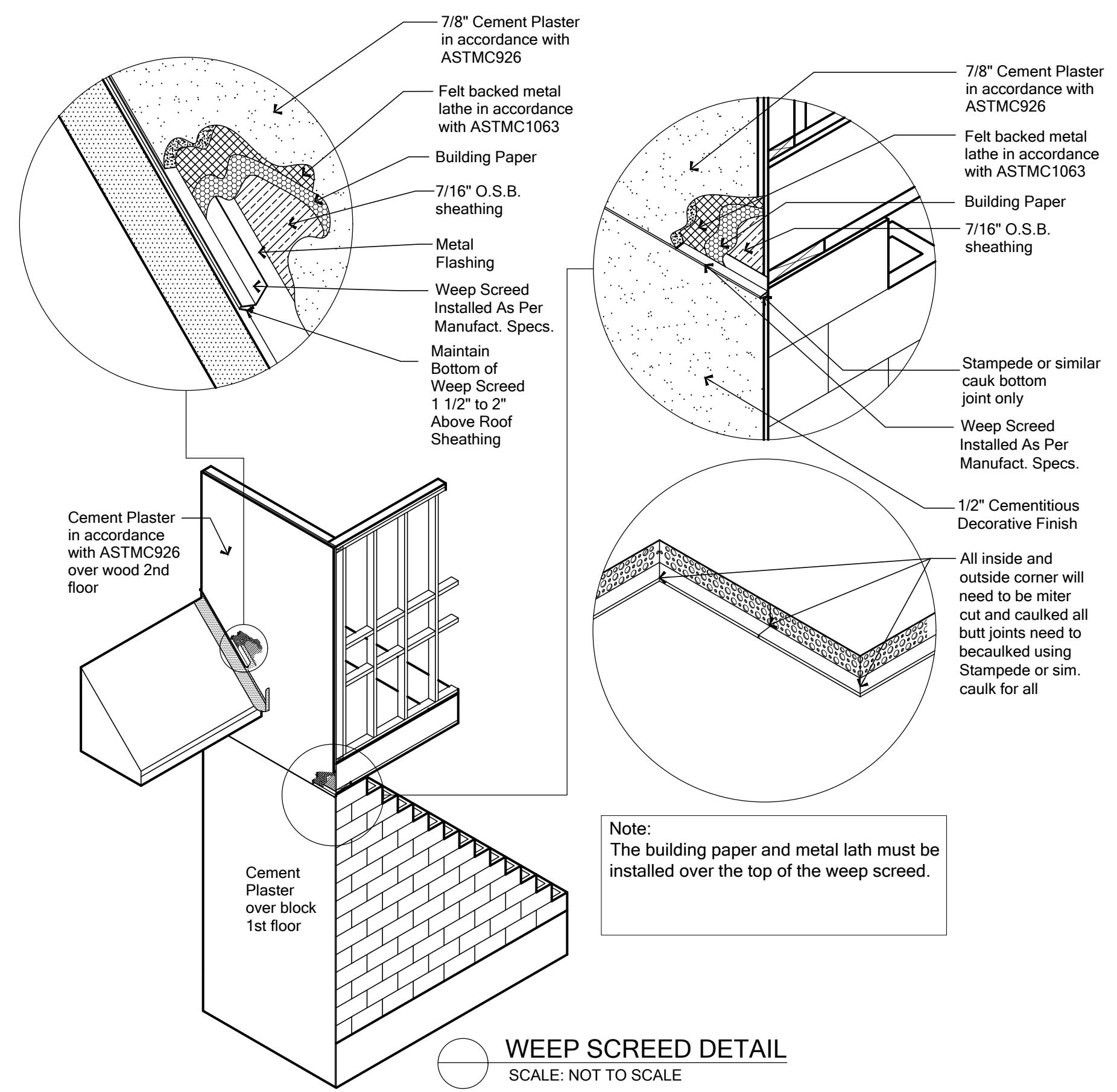
SELF-ADHERED FLASHING PRODUCTS DETAILS

TWO LAYERS OF FELT OR ONE LAYER OF HOUSE WRAP AND ONE LAYER OF FELT ARE REQUIRED BEHIND STUCCO. FBC R703.2.1

Detail Instructions

Refer to the number marked as # in each detail that corresponds to the numbered items in the list of instructions below:

1. Install self-adhered flashing in order as shown by numbers
2. Install flashing and weather resistive barrier to form water shedding laps
3. Self-adhered flashing can be substituted for building paper
4. Split the release paper using the ripcord (Split release on demand, embedded in the adhesive layer) - for ease of installation and to minimize scoring cuts
5. Remove all release paper per standard installation instructions and adhere to substrate using a square piece of flashing material (6" x 6" Minimum)
6. Fold as shown by arrows
7. Angle of corner may vary, adjust folding of the flashing accordingly to fit tight to corner
8. Mechanically fasten as necessary



SCALE : AS NOTED
DATE : 09-27-2021

SHEET NO.

WP

Product Approval Numbers

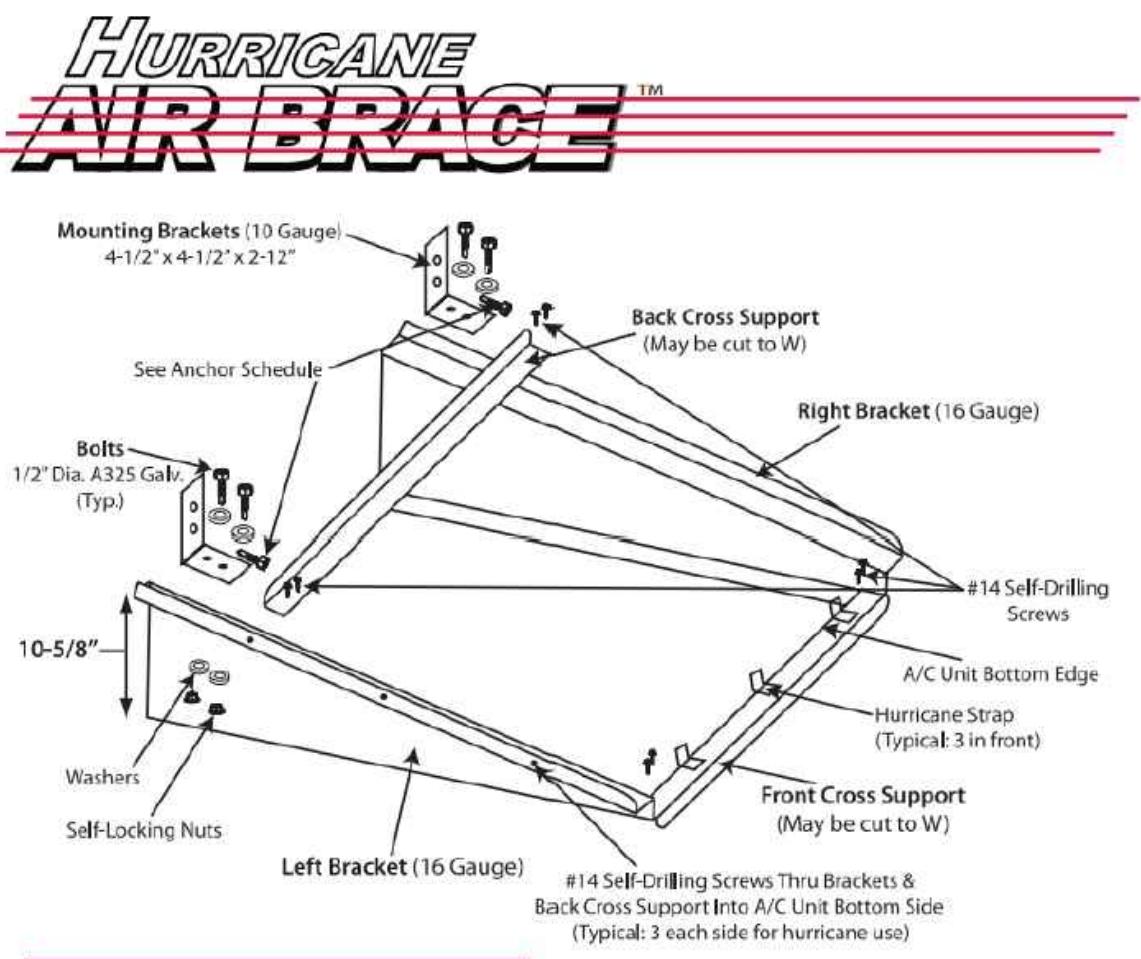
PLAN NAME
Lennar TPA Base Product Approval Sheet

LENNAR

This is a non engineered sheet based on product approval information located on the State of Florida's Product Approval web site.

PRODUCT APPROVAL SPECIFICATION SHEET (2022)

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and approval numbers on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products.



INSTALLATION INFORMATION

Specific installation instructions are provided with each Hurricane Air Brace. Engineered Raised Side Drawing available upon request (additional fee will apply).

Florida Department of Business & Professional Regulation

Building Codes and Standards

Product Approval Application Detail

Type	Code Version	Manufacturer	Contact	Entity or Organization & License	Validated By	Date Validated	Date Submitted	Date Pending	FBC Approved	Date Approved	Status
Affirmation	2020	Smart Vent Products Inc.	Michael Graham (800) 300-1880 info@smartvent.com	Hermes F. Novaro P.E. (321) 397-0854 PE-73715	Lodge Bowden P.E. (321) 397-0854 PE-73715	12/16/2020	12/16/2020			12/28/2020	Approved
SubCategory		Products Introduced as a Result of Products Required by Law									
Compliance Method:		Evaluation Report from a Professional Engineer or a Licensed Florida Professional Engineer									
FL45022-BE Products											

Seq #	Product Model Number or Name	Product Description	Quality Assurance Contract Expiration Date	Approved for Use in HDOE	Approved for Use Outside HDOE	Impact Resistant	Design Pressure
1	SmartVent Model #154-510	Dual Function Flood and Ventilation Vent	12/31/2023	Yes	Yes	N/A	100/-100
2	SmartVent Model #154-511	Dual Function Flood and Ventilation Vent	12/31/2023	Yes	Yes	N/A	100/-100
3	SmartVent Model #154-521	Insulated Flood Vent	12/31/2023	Yes	Yes	N/A	100/-100
4	SmartVent Model #154-522	Insulated Flood Vent	12/31/2023	Yes	Yes	N/A	100/-100
5	SmartVent Model #154-524	16x48" Garage Down Flood Vent	12/31/2023	Yes	Yes	N/A	100/-100
6	SmartVent Model #154-574	16x48" Garage Down Flood Vent	12/31/2023	Yes	Yes	N/A	100/-100
7	SmartVent Model #154-575	14x48" Garage Down Flood Vent	12/31/2023	Yes	Yes	N/A	100/-100

Type	Code Version	Manufacturer	Contact	Entity or Organization & License	Validated By	Date Validated	Date Submitted	Date Pending	FBC Approved	Date Approved	Status
Affirmation	2020	ThermaTru Corporation	Steve Jansson (800) 643-7628 PE-43409	Ryan J. Kellie P.E. (813) 767-6555 PE-73715	04/15/2021	12/31/2020	04/22/2021	04/08/2021		04/08/2021	Approved
SubCategory		Exterior Doors									
Compliance Method:		Evaluation Report from a Professional Engineer or a Licensed Florida Professional Engineer									
FL45049-BT Products											

Seq #	Product Model Number or Name	Product Description	Quality Assurance Contract Expiration Date	Approved for Use in HDOE	Approved for Use Outside HDOE	Impact Resistant	Design Pressure
1	a. Therma-Tru Fiber-Classic and Smooth-Star	Normal #6x9" Aquat ImpactProof® Opaque Composite Edge Fiberglass Single Door	12/31/2022	Yes	Yes	N/A	N/A
2	b. Therma-Tru Fiber-Classic and Smooth-Star	Normal #6x9" Aquat ImpactProof® Opaque Composite Edge Fiberglass Double Door (Inswing/Outswing, AD, XX or OXO configurations)	12/31/2022	No	Yes	Yes	N/A
3	c. Therma-Tru Fiber-Classic and Smooth-Star	Normal #6x9" Aquat ImpactProof® Opaque Composite Edge Fiberglass Double Door (Inswing/Outswing, XX or OXO configurations)	12/31/2022	No	Yes	Yes	N/A
4	d. Therma-Tru Fiber-Classic and Smooth-Star	Normal #6x9" Aquat ImpactProof® Opaque Composite Edge Fiberglass Single Door (Inswing/Outswing, XX or OXO configurations)	12/31/2022	No	Yes	Yes	N/A
5	e. Therma-Tru Fiber-Classic and Smooth-Star	Normal #6x9" Aquat ImpactProof® Opaque Composite Edge Fiberglass Double Door with or without sidelites (Inswing/Outswing, XX or OXO configurations)	12/31/2022	No	Yes	Yes	N/A
6	f. Therma-Tru Fiber-Classic and Smooth-Star	Normal #6x9" Aquat ImpactProof® Opaque Composite Edge Fiberglass Double Door with or without sidelites (Inswing/Outswing, XX or OXO configurations)	12/31/2022	No	Yes	Yes	N/A
7	g. Therma-Tru Fiber-Classic and Smooth-Star	Normal #6x9" Aquat ImpactProof® Opaque Composite Edge Fiberglass Double Door with or without sidelites (Inswing/Outswing, XX or OXO configurations)	12/31/2022	No	Yes	Yes	N/A
8	h. Therma-Tru Fiber-Classic and Smooth-Star	Normal #6x9" Aquat ImpactProof® Opaque Composite Edge Fiberglass Double Door with or without sidelites (Inswing/Outswing, XX or OXO configurations)	12/31/2022	No	Yes	Yes	N/A
9	i. Therma-Tru Fiber-Classic and Smooth-Star	Normal #6x9" Aquat ImpactProof® Opaque Composite Edge Fiberglass Double Door with or without sidelites (Inswing/Outswing, XX or OXO configurations)	12/31/2022	No	Yes	Yes	N/A
10	j. Therma-Tru Fiber-Classic and Smooth-Star	Normal #6x9" Aquat ImpactProof® Opaque Composite Edge Fiberglass Single Door (Inswing/Outswing, XX or OXO configurations)	12/31/2022	No	Yes	Yes	N/A
11	k. Therma-Tru Fiber-Classic and Smooth-Star	Normal #6x9" Aquat ImpactProof® Opaque Composite Edge Fiberglass Double Door with or without sidelites (Inswing/Outswing, XX or OXO configurations)	12/31/2022	No	Yes	Yes	N/A
12	l. Therma-Tru Fiber-Classic and Smooth-Star	Normal #6x9" Aquat ImpactProof® Opaque Composite Edge Fiberglass Double Door with or without sidelites (Inswing/Outswing, XX or OXO configurations)	12/31/2022	No	Yes	Yes	N/A
13	m. Therma-Tru Fiber-Classic and Smooth-Star	Normal #6x9" Aquat ImpactProof® Opaque Composite Edge Fiberglass Single Door (Inswing/Outswing, XX or OXO configurations)	12/31/2022	No	Yes	Yes	N/A
14	n. Therma-Tru Fiber-Classic and Smooth-Star	Normal #6x9" Aquat ImpactProof® Opaque Composite Edge Fiberglass Double Door with or without sidelites (Inswing/Outswing, XX or OXO configurations)	12/31/2022	No	Yes	Yes	N/A
15	o. Therma-Tru Fiber-Classic and Smooth-Star	Normal #6x9" Aquat ImpactProof® Opaque Composite Edge Fiberglass Double Door with or without sidelites (Inswing/Outswing, XX or OXO configurations)	12/31/2022	No	Yes	Yes	N/A
16	p. Therma-Tru Fiber-Classic and Smooth-Star	Normal #6x9" Aquat ImpactProof® Opaque Composite Edge Fiberglass Double Door with or without sidelites (Inswing/Outswing, XX or OXO configurations)	12/31/2022	No	Yes	Yes	N/A
17	q. Therma-Tru Fiber-Classic and Smooth-Star	Normal #6x9" Aquat ImpactProof® Opaque Composite Edge Fiberglass Double Door with or without sidelites (Inswing/Outswing, XX or OXO configurations)	12/31/2022	No	Yes	Yes	N/A

Type	Code Version	Manufacturer	Contact	Entity or Organization & License	Validated By	Date Validated	Date Submitted	Date Pending	FBC Approved	Date Approved	Status
Affirmation	2020	ThermaTru Corporation	Steve Jansson (800) 643-7628 PE-43409	Ryan J. Kellie P.E. (813) 767-6555 PE-73715	04/15/2021	12/31/2020	04/22/2021	04/08/2021		04/08/2021	Approved
SubCategory		Exterior Doors									
Compliance Method:		Evaluation Report from a Professional Engineer or a Licensed Florida Professional Engineer									
FL45049-BT Products											

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FL45049-BT Products											

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Florida Department of Business & Professional Regulation Building Codes and Standards												Florida Department of Business & Professional Regulation Building Codes and Standards												Florida Department of Business & Professional Regulation Building Codes and Standards											
Product Approval Application Detail												Product Approval Application Detail												Product Approval Application Detail											
FL412102-R3												FL412102-R1												FL412102-R5											
Type	Code Version	Manufacturer	Contact	Entity or Engineer & License	Validated By	Date Validated	Date Submitted	Date Pending	FBC Approved	Date Approved	Status	Type	Code Version	Manufacturer	Contact	Entity or Engineer & License	Validated By	Date Validated	Date Submitted	Date Pending	FBC Approved	Date Approved	Status	Type	Code Version	Manufacturer	Contact	Entity or Engineer & License	Validated By	Date Validated	Date Submitted	Date Pending	FBC Approved	Date Approved	Status
Revision	2020	TAMKO Building Products, LLC	Kent Eden	Robert Nierenberg	John W. Kneivich, PE	10/14/2020	10/12/2020	10/12/2020	12/15/2020	Approved		Revision	2020	J.W. Kneivich, Inc. aka Thompson Architectural Metals Company (TAMKO)	Tony Zimmerman	James R. Reed	Steven M. Ulrich, PE	09/17/2020	09/19/2020	09/23/2020	12/15/2020	Approved		Revision	2020	State Protection Products, LLC	Tim McRae	Water A. Tink Jr., PE	John W. Kneivich, PE	10/09/2020	10/09/2020	10/11/2020	12/15/2020	Approved	
Category: Roofing SubCategory: Underlayment Completeness Method: Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer												Category: Roofing SubCategory: Underlayment Completeness Method: Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer												Category: Structural Components SubCategory: Truss Plates Completeness Method: Evaluation Report from a Product Evaluation Entity											
FL412102-R3 Products												FL412102-R1 Products												FL412102-R5 Products											
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1	TAMKO Roof Underlayment (HVAZ)	Roof underlays for use in FBC HVAZ	05/26/2022	Yes	No	N/A	N/A	1	TAMKO Roof Underlayment (HVAZ)	Roof underlays for use in FBC non-HVAZ	05/26/2022	No	Yes	N/A	N/A	1	20 Gauge Galvanized Steel Storm Panels/HVAZ	Corrugated Galvanized Steel Storm Panels related or not by thickness to provide hurricane protection.	12/31/2022	Yes	Yes	N/A	N/A												
2	TAMKO Roof Underlayment (HVAZ)	Roof underlays for use in FBC non-HVAZ	05/26/2022	No	Yes	N/A	N/A	2	TAMKO Steeple Vent	26 ga. steel roof ventiler with baffle	09/01/2022	Yes	Yes	N/A	N/A	2	24 Gauge Galvanized Steel Storm Panels/HVAZ	Corrugated Galvanized Steel Storm Panels related or not by thickness to provide hurricane protection.	12/31/2022	No	Yes	Yes	N/A												
								3	TAMKO DR-Slope Roof Vent with Baffle	26 ga. steel roof ventiler with integrated baffle	09/01/2022	Yes	Yes	N/A	N/A	3	ITW BCG/HV Higher Strength (H-Samp. S)	ITW BCG/HV Higher Strength (H-Samp. S)	12/31/2022	Yes	Yes	N/A	N/A												
								4	TAMKO HVR-1 Top Ridge Vent with Baffle for Tie	26 ga. steel roof ventiler with baffle	09/01/2022	Yes	Yes	N/A	N/A	4	ITW BCG/HV Wave	ITW BCG/HV Wave	12/31/2022	Yes	Yes	N/A	N/A												
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Product Approval Application Detail												Product Approval Application Detail												Product Approval Application Detail											
FL412102-R3												FL412102-R1												FL412102-R5											
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Revision	2020	MTR Inc.	Ron Wilson	ICC Evaluation Service, LLC	ICC Evaluation Service,	08/11/2021	08/11/2021	08/13/2021	Approved		Revision	2020	Structural Components	Ron Wilson	ICC Evaluation Service, LLC	ICC Evaluation Service, LLC	08/02/2021	09/13/2020	09/03/2021	Approved		Revision	2020	Structural Components	Ron Wilson	ICC Evaluation Service, LLC	ICC Evaluation Service, LLC	08/02/2021	09/13/2020	09/14/2020	Approved				
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1	M14A-B	18 ga. high strength truss connector plate	12/31/2022	Yes	Yes	N/A	N/A	1	M14A-B	Modular LVL	03/31/2023	No	Yes	N/A	N/A	1	003-VS-10 Panel	003-VS-10 Panel	03/31/2023	Yes	Yes	N/A	N/A												
2	M14B-B	18 ga. high strength truss connector plate	12/31/2022	Yes	Yes	N/A	N/A	2	M14B-B	Laminated Veneer Lumber	03/31/2023	No	Yes	N/A	N/A	2	42B, 55, 55, 60SS, GDSV, GRSS, GRSV, ARSS, ARSV, EDS, EDSV	42B, 55, 55, 60SS, GDSV, GRSS, GRSV, ARSS, ARSV, EDS, EDSV	03/31/2023	Yes	Yes	N/A	N/A												
3	M14H-S	18 ga. high strength truss connector plate	12/31/2022	Yes	Yes	N/A	N/A	3	M14H-S	Laminated Strand Lumber	03/31/2023	No	Yes	N/A	N/A	3	Sheel Pan (mm: 28 ga) Double-Car (F2' to 16')	Sheel Pan (mm: 28 ga) Double-Car (F2' to 16')	12/31/2028	No	Yes	Yes	PSP												
4	M14H-S	18 ga. high strength truss connector plate	12/31/2022	Yes	Yes	N/A	N/A	4	M14H-S	Oriented Strand Lumber	03/31/2023	No	Yes	N/A	N/A	4	Weyerhaeuser Rim Board	Weyerhaeuser Rim Board	03/31/2023	No	Yes	N/A	N/A												
5	M14H-S	18 ga. high strength truss connector plate	12/31/2022	Yes	Yes	N/A	N/A	5	M14H-S	Oriented Strand Board	03/31/2023	No	Yes	N/A	N/A	5	Weyerhaeuser Rim Board	Weyerhaeuser Rim Board	03/31/2023	No	Yes	N/A	N/A												
6	MT16-M	20 ga. high strength truss connector plates	12/31/2022	Yes	Yes	N/A	N/A	6	MT16-M	T-J Rim Board	03/31/2023	No	Yes	N/A	N/A	6	Weyerhaeuser Rim Board	Weyerhaeuser Rim Board	03/31/2023	No	Yes	N/A	N/A												
7	TL16-MT16	20 ga. high strength truss connector plates	12/31/2022	Yes	Yes	N/A	N/A	7	TL16-MT16	Weyerhaeuser Rim Board	03/31/2023	No	Yes	N/A	N/A	7	Weyerhaeuser Rim Board	Weyerhaeuser Rim Board	03/31/2023	No	Yes	N/A	N/A												
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Revision	2020	Structural Components	Ron Wilson	ICC Evaluation Service, LLC	ICC Evaluation Service,	08/11/2021	08/11/2021	08/13/2021	Approved		Revision	2020	Structural Components	Ron Wilson	ICC Evaluation Service, LLC	ICC Evaluation Service, LLC	08/02/2021	09/13/2020	09/14/2020	Approved															
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2	M14B-B	18 ga. high strength truss connector plate	12/31/2022	Yes	Yes	N/A	N/A	2	M14B-B	Laminated Veneer Lumber	03/31/2023	No	Yes	N/A	N/A	2	42B, 55, 55, 60SS, GDSV, GRSS, GRSV, ARSS, ARSV, EDS, EDSV	42B, 55, 55, 60SS, GDSV, GRSS, GRSV, ARSS, ARSV, EDS, EDSV	03/31/2023	Yes	Yes	N/A	N/A												
3	M14H-S	18 ga. high strength truss connector plate	12/31/2022	Yes	Yes	N/A	N/A	3	M14H-S	Laminated Strand Lumber	03/31/2023	No	Yes	N/A	N/A	3	Sheel Pan (mm: 28 ga) Double-Car (F2' to 16')	Sheel Pan (mm: 28 ga) Double-Car (F2' to 16')	12/31/2028	No	Yes	Yes	PSP												
4	M14H-S	18 ga. high strength truss connector plate	12/31/2022	Yes	Yes	N/A	N/A	4	M14H-S	Oriented Strand Lumber	03/31/2023	No	Yes	N/A	N/A	4	Weyerhaeuser Rim Board	Weyerhaeuser Rim Board	03/31/2023	No	Yes	N/A	N/A												
5	MT16-M	20 ga. high strength truss connector plates	12/31/2022	Yes	Yes	N/A	N/A	5	MT16-M	T-J Rim Board	03/31/2023	No	Yes	N/A	N/A	5	Weyerhaeuser Rim Board	Weyerhaeuser Rim Board	03/31/2023	No	Yes	N/A	N/A												
6	TL16-MT16	20 ga. high strength truss connector plates	12/31/2022	Yes	Yes	N/A	N/A	6	TL16-MT16	Weyerhaeuser Rim Board	03/31/2023	No	Yes	N/A	N/A	6	Weyerhaeuser Rim Board	Weyerhaeuser Rim Board	03/31/2023	No	Yes	N/A	N/A												
7	TL20-MT20	20 ga. high strength truss connector plates	12/31/2022	Yes	Yes	N/A	N/A	7	TL20-MT20	Weyerhaeuser Rim Board	03/31/2023	No	Yes	N/A	N/A	7	Weyerhaeuser Rim Board	Weyerhaeuser Rim Board	03/31/2023	No	Yes	N/A	N/A												
Florida Department of Business & Professional Regulation Building Codes and Standards												Florida Department of Business & Professional Regulation Building Codes and Standards												Florida Department of Business & Professional Regulation Building Codes and Standards											
Product Approval Application Detail												Product Approval Application Detail												Product Approval Application Detail											
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Product Approval Numbers

Base Product Approval Sheet

LAN NAME

1

**R
A
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based on product approval information located on the State of Florida's Product Approval Web site.

This is a non engineered sheet based on product approval information located on the State of Florida's Product Approval web site.

JENNA R

Product Approval Numbers

PLAN NAME Base Product Approval Sheet

PA 1.2

This is a non engineered sheet
based on product approval
information located on the
State of Florida's Product
Approval web site.

LENNAAR

Product Approval Numbers

PLAN NAME
Base Product Approval Sheet

SHEET NO.

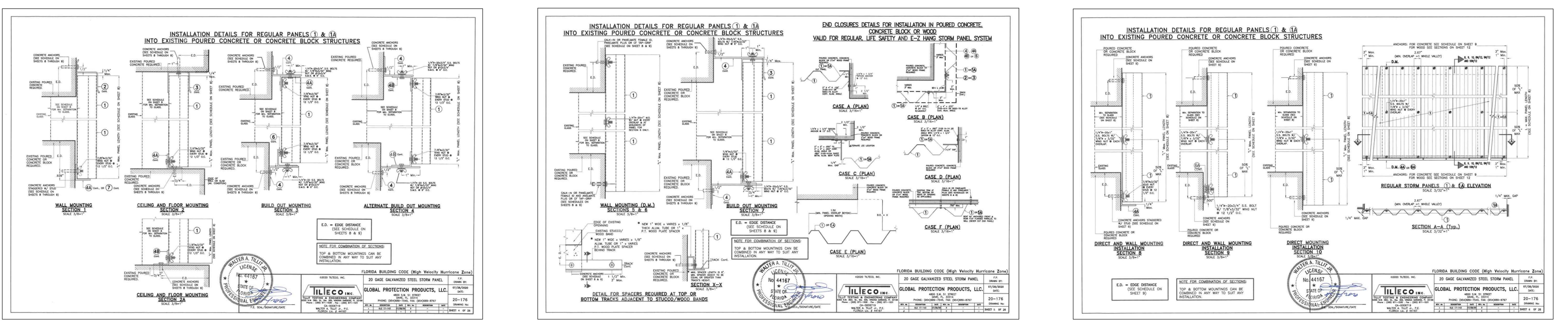
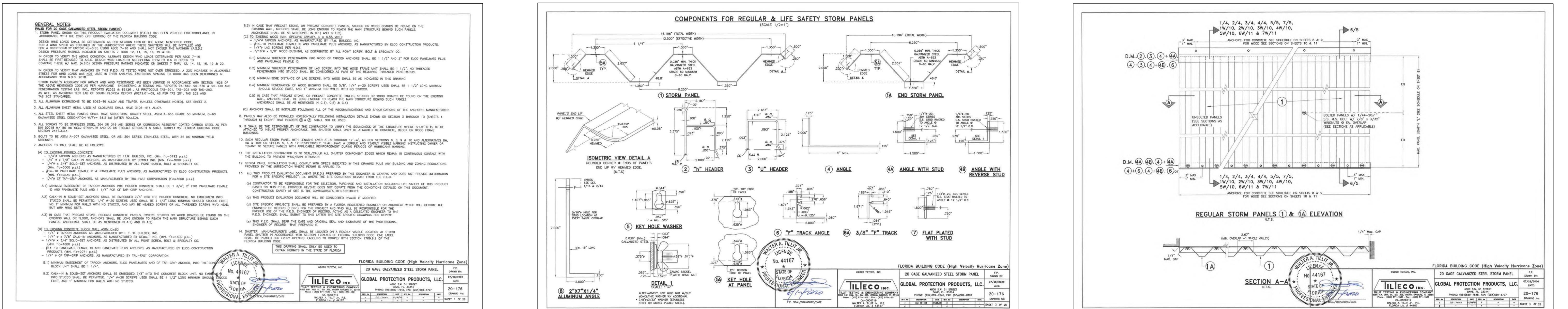
PA 1.4
May 31, 2022

<p>MIAMI-DADE COUNTY DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER) BOARD AND CODE ADMINISTRATION DIVISION</p> <p>NOTICE OF ACCEPTANCE (NOA) Cast-Crete USA, LLC 6324 County Road 579 Seffner, Florida 33584</p> <p>SCOPE: This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).</p> <p>This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.</p> <p>This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.</p> <p>DESCRIPTION: (Cast-Crete) 4", 6" & 12" High Strength Precast and Prestressed Concrete Lintels</p> <p>APPROVAL DOCUMENT: Drawing No. FD4612, titled "Precast and Prestressed Lintel Details", sheet 1 of 1, prepared by Craig Parrino, P.E., dated March 24, 2003 and Drawing No. LT4612, titled "Cast-Crete 4", 6" & 12" Lintel Safe Load Tables", sheets 1 through 3 of 3, prepared by Craig Parrino, P.E., dated March 24, 2003, last revision dated June 12, 2014, all signed and sealed by Craig Parrino, P.E., on January 22, 2019, all bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and the expiration date by the Miami-Dade County Product Control Section.</p> <p>MISSILE IMPACT RATING: Large and Small Missile Impact Resistant</p> <p>LABELING: Each lintel shall bear a permanent label with the manufacturer's name or logo and the Miami-Dade County logo.</p> <p>RENEWAL: of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.</p> <p>TERMINATION: of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use conditions or nature of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.</p> <p>ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.</p> <p>INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.</p> <p>This NOA revises NOA # 19-0130.14 and consists of this page 1, evidence submitted pages E-1, E-2, E-3, E-4 and E-5 as well as approval document mentioned above. The submitted documentation was reviewed by Helmy A. Makar, P.E., M.S.</p> <p><i>Helmy A. Makar</i> NOA No. 20-0630.15 Expiration Date: 09/11/2023 Approval Date: 08/20/2020 Page 1</p>	<p>MIAMI-DADE COUNTY PRODUCT CONTROL SECTION 11805 SW 26 Street, Room 208 Miami, Florida 33175-2474 T (786) 315-2590 F (786) 315-2599 www.miamidade.gov/economy</p> <p>NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED</p> <p>1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #03-0605.04 A. DRAWINGS 1. Drawing No. FD4612, titled "Precast and Prestressed Lintel Details", sheet 1 of 1, prepared by Craig Parrino, P.E., dated March 24, 2003 and Drawing No. LT4612, titled "Cast-Crete 4", 6" & 12" Lintel Safe Load Tables", sheets 1 through 3 of 3, prepared by Craig Parrino, P.E., dated March 24, 2003, last revision #1 dated April 28, 2003 both drawings signed and sealed by Craig Parrino, P.E.</p> <p>B. TESTS 1. Test report on flexural testing on 4", 6" & 12" Precast Concrete Lintels Filled and Unfilled Models, total of (13) concrete lintel specimens per ASTM E-529-94 prepared by Applied Research Laboratories Report No. 30404A, dated 04/10/03, signed and sealed by Christopher A. Hamon, P.E.</p> <p>C. CALCULATIONS 1. Calculations for Cast-Crete Lintels, dated 05/29/03, 207 pages, prepared by Craig Parrino, P.E., signed and sealed by Craig Parrino, P.E.</p> <p>2. Calculations for Cast-Crete Lintels, dated 05/29/03, 140 pages, prepared by Craig Parrino, P.E., signed and sealed by Craig Parrino, P.E.</p> <p>D. MATERIAL CERTIFICATION: 1. Quality System Manual for Cast-Crete Machine Made Precast Lintels revised on May 1, 2002. 2. Cast-Crete Quality System Manual for Prestressed Products dated 2002.</p> <p>2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 08-0320.09 A. DRAWINGS 1. Drawing No. FD4612, titled "Precast and Prestressed Lintel Details", sheet 1 of 1, prepared by Craig Parrino, P.E., dated March 24, 2003 and Drawing No. LT4612, titled "Cast-Crete 4", 6" & 12" Lintel Safe Load Tables", sheets 1 through 3 of 3, prepared by Craig Parrino, P.E., dated March 24, 2003, last revision dated March 11, 2008.</p> <p>B. TESTS 1. None.</p> <p>C. CALCULATIONS 1. None.</p> <p>D. QUALITY ASSURANCE 1. By Miami-Dade County Department of Permitting, Environment, and Regulatory Affairs.</p> <p>E. MATERIAL CERTIFICATIONS 1. None.</p> <p><i>Helmy A. Makar</i> Helmy A. Makar, P.E., M.S. Product Control Section Supervisor NOA No. 20-0630.15 Expiration Date: 09/11/2023 Approval Date: 08/20/2020</p>	<p>NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED</p> <p>3. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 12-0209.12 A. DRAWINGS 1. Drawing No. FD4612, titled "Precast and Prestressed Lintel Details", sheet 1 of 1, prepared by Craig Parrino, P.E., dated March 24, 2003 and Drawing No. LT4612, titled "Cast-Crete 4", 6" & 12" Lintel Safe Load Tables", sheets 1 through 3 of 3, last revision dated March 11, 2008, all signed and sealed by Craig Parrino, P.E., on March 22, 2012.</p> <p>B. TESTS 1. None.</p> <p>C. CALCULATIONS 1. None.</p> <p>D. QUALITY ASSURANCE 1. By Miami-Dade County Department of Permitting, Environment, and Regulatory Affairs.</p> <p>E. MATERIAL CERTIFICATIONS 1. None.</p> <p>F. OTHER 1. Letter from Cast-Crete Corporation, dated February 03, 2012, signed and sealed by Craig Parrino, P.E., certifying compliance with the Florida Building Code, 2014 Edition.</p> <p>4. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 13-0321.07 A. DRAWINGS 1. None.</p> <p>B. TESTS 1. None.</p> <p>C. CALCULATIONS 1. None.</p> <p>D. QUALITY ASSURANCE 1. By Miami-Dade County Department of Permitting, Environment, and Regulatory Affairs.</p> <p>E. MATERIAL CERTIFICATIONS 1. None.</p> <p><i>Helmy A. Makar</i> Helmy A. Makar, P.E., M.S. Product Control Section Supervisor NOA No. 20-0630.15 Expiration Date: 09/11/2023 Approval Date: 08/20/2020</p>	<p>NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED</p> <p>5. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 14-0903.03 A. DRAWINGS 1. Drawing No. FD4612, titled "Precast and Prestressed Lintel Details", sheet 1 of 1, dated 03/24/03 and Drawing No. LT4612, titled "Cast-Crete 4", 6" & 12" Lintel Safe Load Tables", sheets 1 through 3 of 3, last revision dated 06/12/14, all prepared, signed and sealed by Craig Parrino, P.E., on 08/19/14.</p> <p>B. TESTS 1. None.</p> <p>C. CALCULATIONS 1. Calculations for Cast-Crete Lintels, dated 08/19/2014, pages 14.201 through 14.236, prepared by Craig Parrino, P.E., signed and sealed by Craig Parrino, P.E.</p> <p>D. QUALITY ASSURANCE 1. By Miami-Dade County Department of Regulatory and Economic Resources (RER).</p> <p>E. MATERIAL CERTIFICATIONS 1. None.</p> <p>F. OTHER 1. Letter from Cast-Crete USA, Inc., dated 08/19/2014, signed and sealed by Craig Parrino, P.E., certifying compliance with the Florida Building Code, 2014 Edition.</p> <p>6. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 17-0821.18 A. DRAWINGS 1. None.</p> <p>B. TESTS 1. None.</p> <p>C. CALCULATIONS 1. None.</p> <p>D. QUALITY ASSURANCE 1. By Miami-Dade County Department of Regulatory and Economic Resources (RER).</p> <p>E. MATERIAL CERTIFICATIONS 1. None.</p> <p>F. OTHER 1. Compliance Letter with the Florida Building Code, 2017 Edition, issued by Cast-Crete USA, Inc., dated 08/08/17, signed & sealed by Craig Parrino, P.E.</p> <p><i>Helmy A. Makar</i> Helmy A. Makar, P.E., M.S. Product Control Section Supervisor NOA No. 20-0630.15 Expiration Date: 09/11/2023 Approval Date: 08/20/2020</p>
<p>Cast-Crete USA, LLC</p> <p>NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED</p> <p>7. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 18-0424.04 A. DRAWINGS 1. None.</p> <p>B. TESTS 1. None.</p> <p>C. CALCULATIONS 1. None.</p> <p>D. QUALITY ASSURANCE 1. By Miami-Dade County Department of Regulatory and Economic Resources (RER).</p> <p>E. MATERIAL CERTIFICATIONS 1. None.</p> <p>F. OTHER 1. Compliance Letter with the Florida Building Code, 2017 Edition, issued by Cast-Crete USA, Inc., dated 08/08/17, signed & sealed by Craig Parrino, P.E.</p> <p>8. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 19-0130.14 A. DRAWINGS 1. Drawing No. FD4612, titled "Precast and Prestressed Lintel Details", sheet 1 of 1, prepared by Craig Parrino, P.E., dated March 24, 2003 and Drawing No. LT4612, titled "Cast-Crete 4", 6" & 12" Lintel Safe Load Tables", sheets 1 through 3 of 3, prepared by Craig Parrino, P.E., dated March 24, 2003, last revision dated June 12, 2014, all signed and sealed by Craig Parrino, P.E., on January 22, 2019.</p> <p>B. TESTS 1. None.</p> <p>C. CALCULATIONS 1. None.</p> <p>D. QUALITY ASSURANCE 1. By Miami-Dade County Department of Regulatory and Economic Resources (RER).</p> <p>E. MATERIAL CERTIFICATIONS 1. None.</p> <p>F. OTHER 1. Article of Conversion for a name change.</p> <p><i>Helmy A. Makar</i> Helmy A. Makar, P.E., M.S. Product Control Section Supervisor NOA No. 20-0630.15 Expiration Date: 09/11/2023 Approval Date: 08/20/2020</p>	<p>Cast-Crete USA, LLC</p> <p>NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED</p> <p>9. NEW EVIDENCE SUBMITTED A. DRAWINGS 1. None.</p> <p>B. TESTS 1. None.</p> <p>C. CALCULATIONS 1. None.</p> <p>D. QUALITY ASSURANCE 1. By Miami-Dade County Department of Regulatory and Economic Resources (RER).</p> <p>E. MATERIAL CERTIFICATIONS 1. None.</p> <p>F. OTHER 1. Compliance Letter with the Florida Building Code, 2017 Edition, issued by Cast-Crete USA, Inc., dated 08/08/17, signed & sealed by Craig Parrino, P.E.</p> <p>2. Compliance Letter with the Florida Building Code, 2020 Edition, issued by Cast-Crete USA, Inc., dated 06/11/20, signed & sealed by Craig Parrino, P.E.</p> <p><i>Helmy A. Makar</i> Helmy A. Makar, P.E., M.S. Product Control Section Supervisor NOA No. 20-0630.15 Expiration Date: 09/11/2023 Approval Date: 08/20/2020</p>	<p>Cast-Crete USA, LLC</p> <p>NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED</p> <p>10. EVIDENCE SUBMITTED A. DRAWINGS 1. None.</p> <p>B. TESTS 1. None.</p> <p>C. CALCULATIONS 1. None.</p> <p>D. QUALITY ASSURANCE 1. By Miami-Dade County Department of Regulatory and Economic Resources (RER).</p> <p>E. MATERIAL CERTIFICATIONS 1. None.</p> <p>F. OTHER 1. Article of Conversion for a name change.</p> <p><i>Helmy A. Makar</i> Helmy A. Makar, P.E., M.S. Product Control Section Supervisor NOA No. 20-0630.15 Expiration Date: 09/11/2023 Approval Date: 08/20/2020</p>	
<p>E - 4</p>	<p>E - 1</p>	<p>E - 2</p>	<p>E - 3</p>
<p>E - 5</p>			



This is a non-engineered street based on product approval information located on the State of Florida's Product Approval web site.

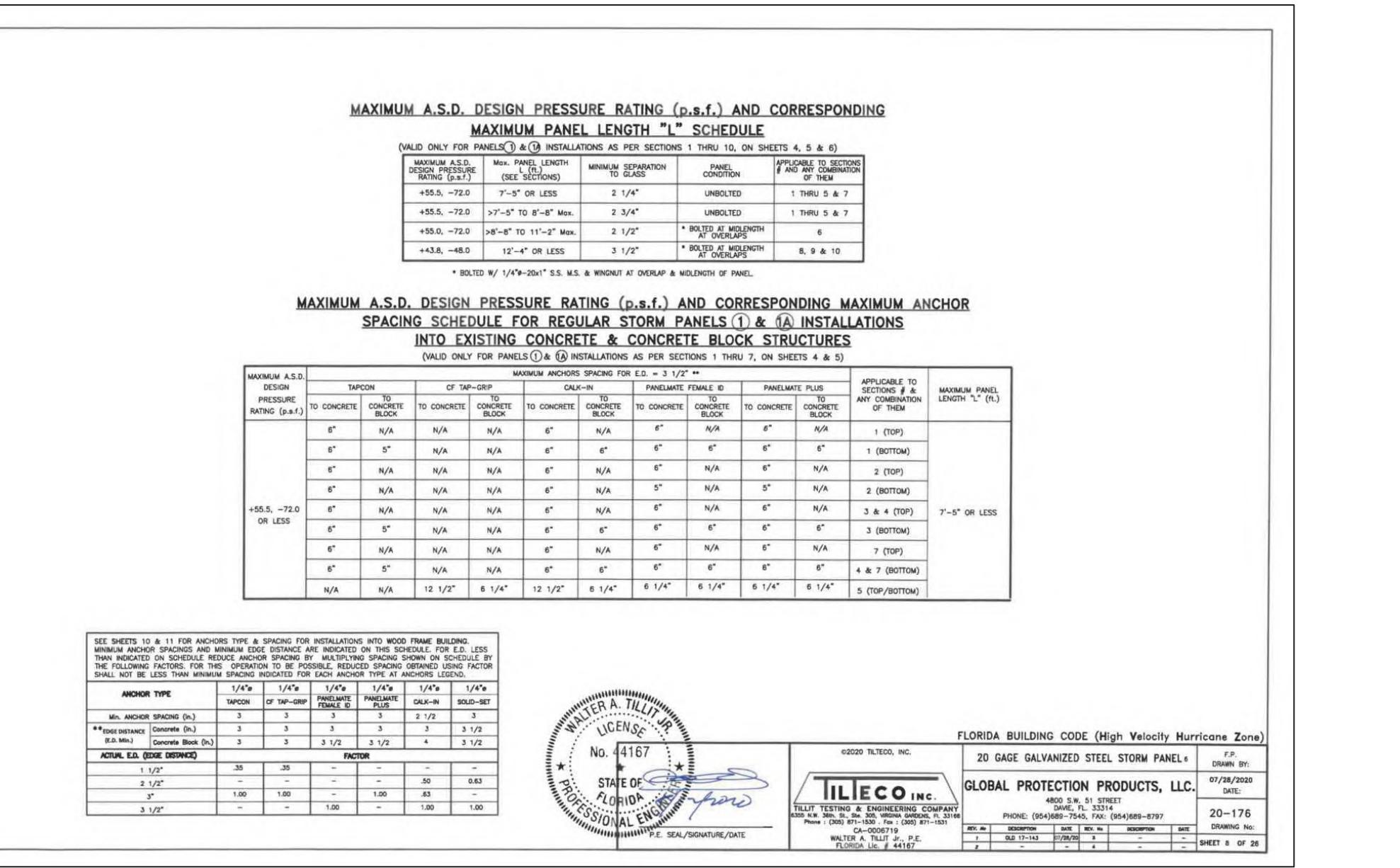
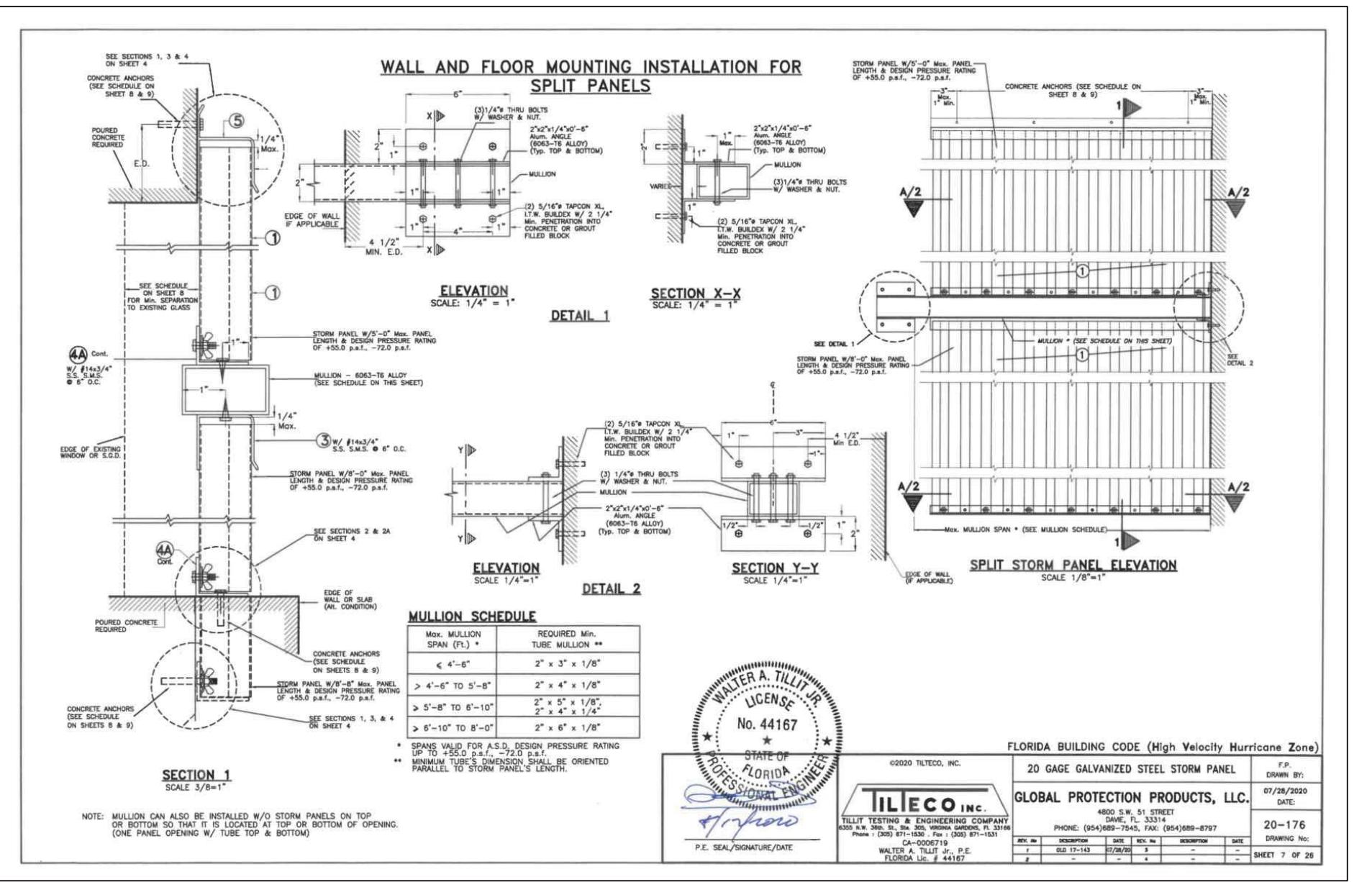
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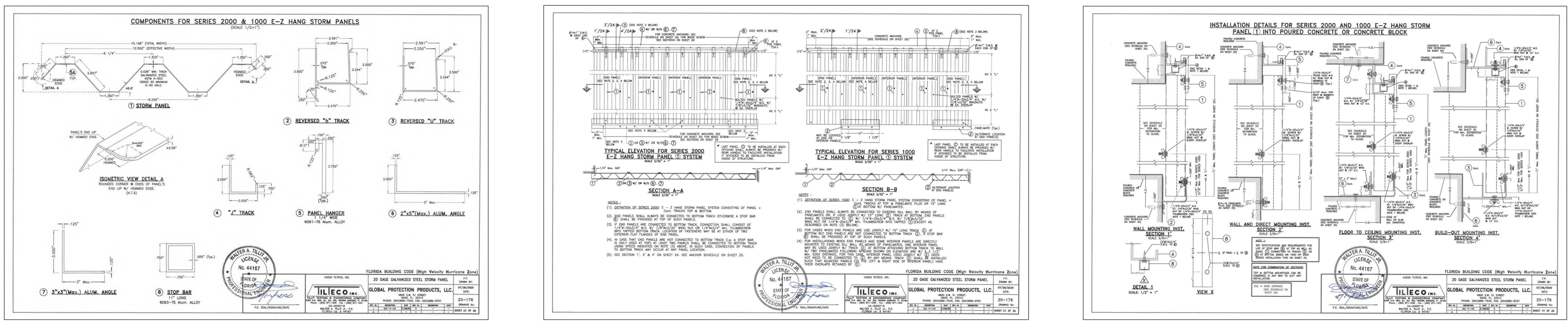
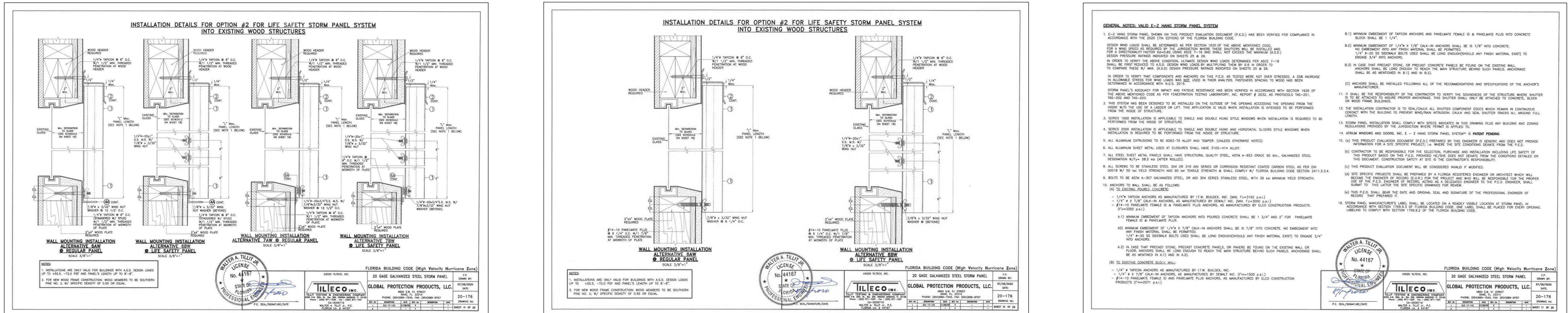
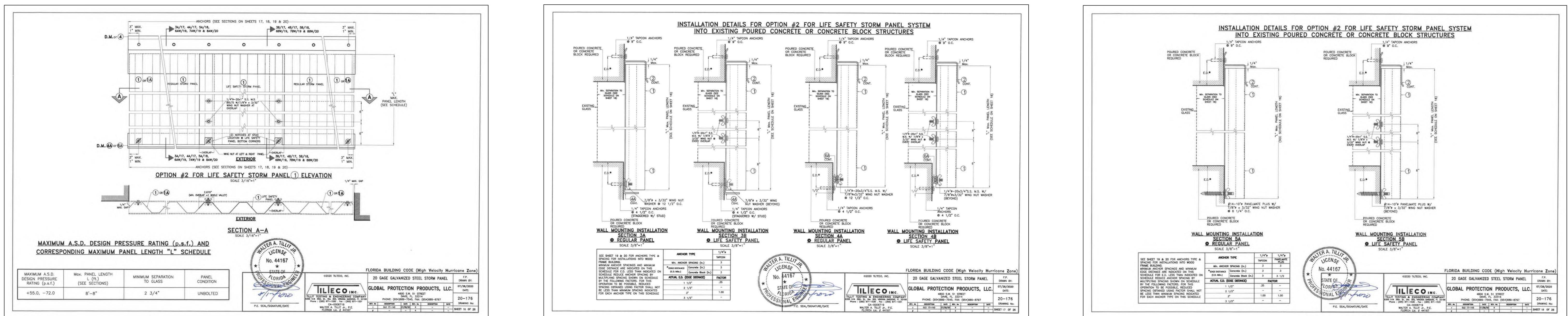
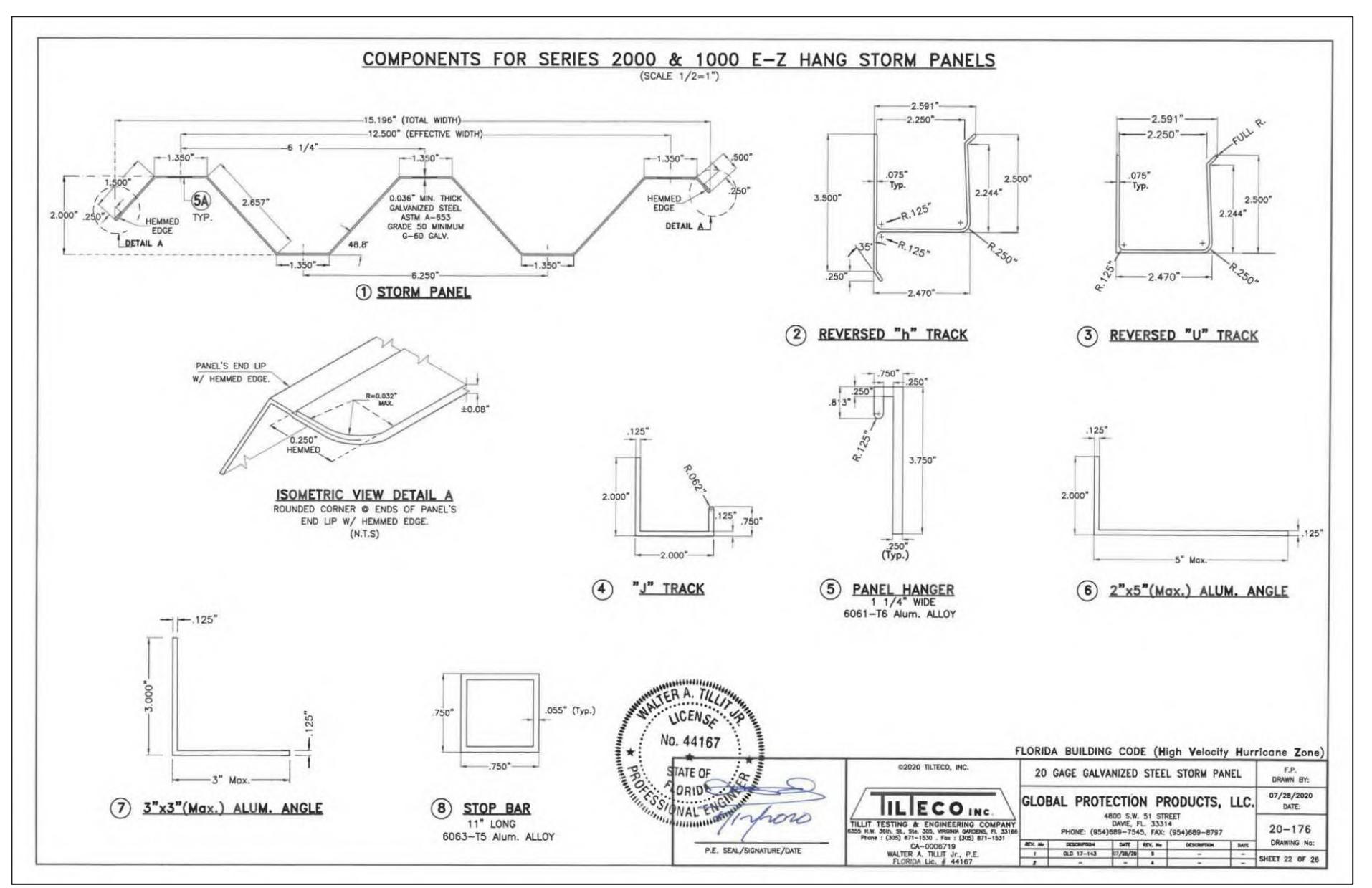
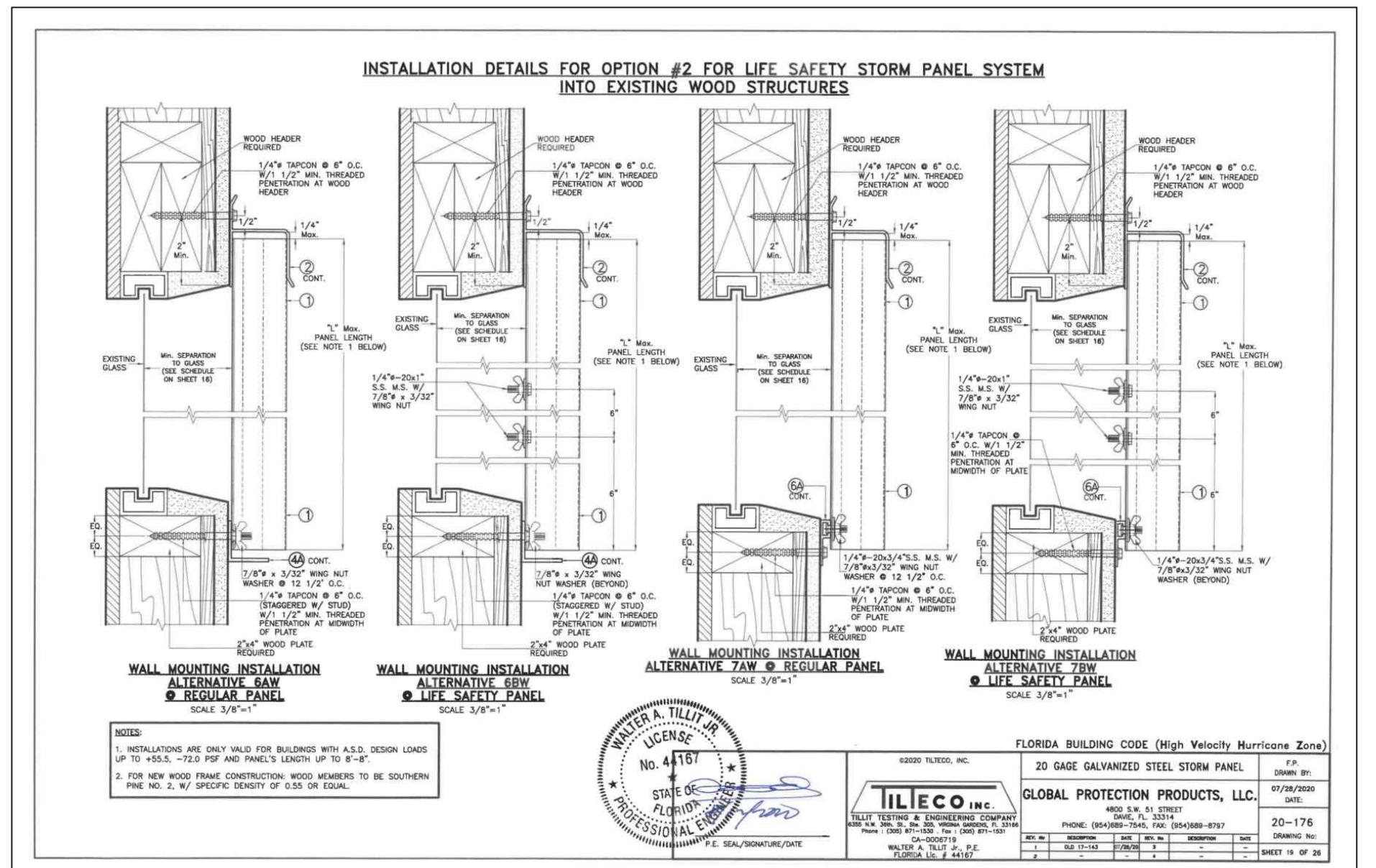
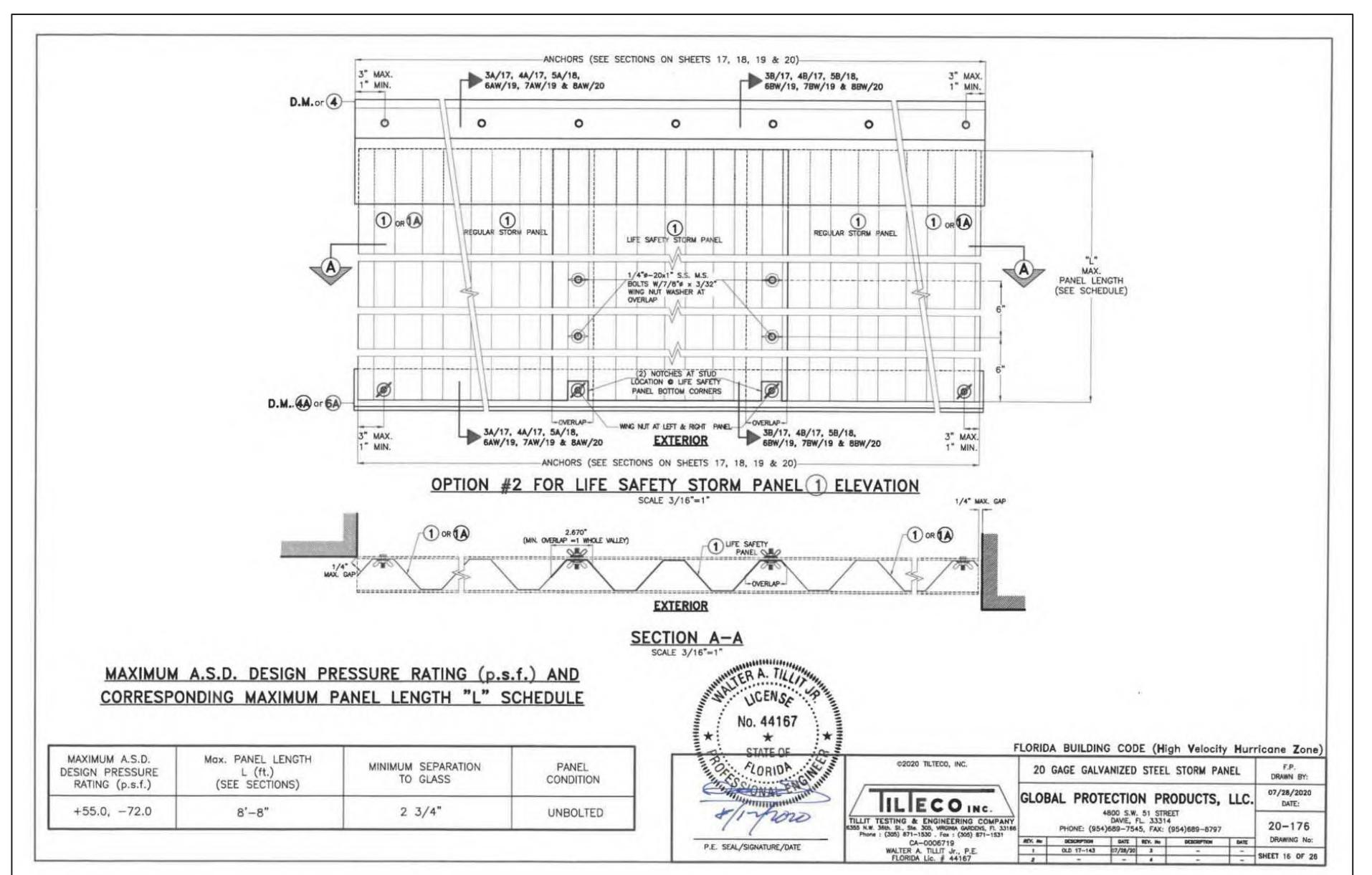


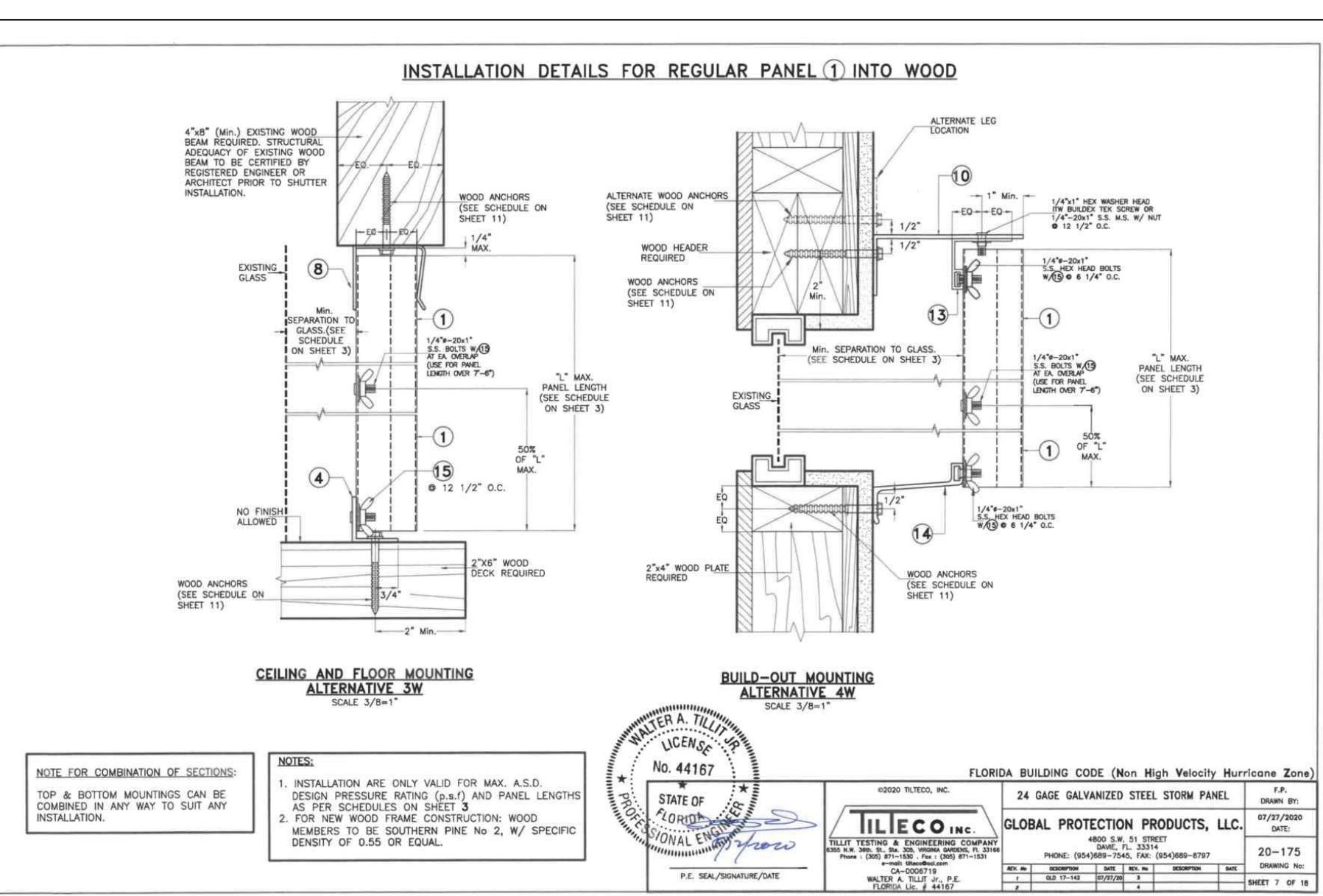
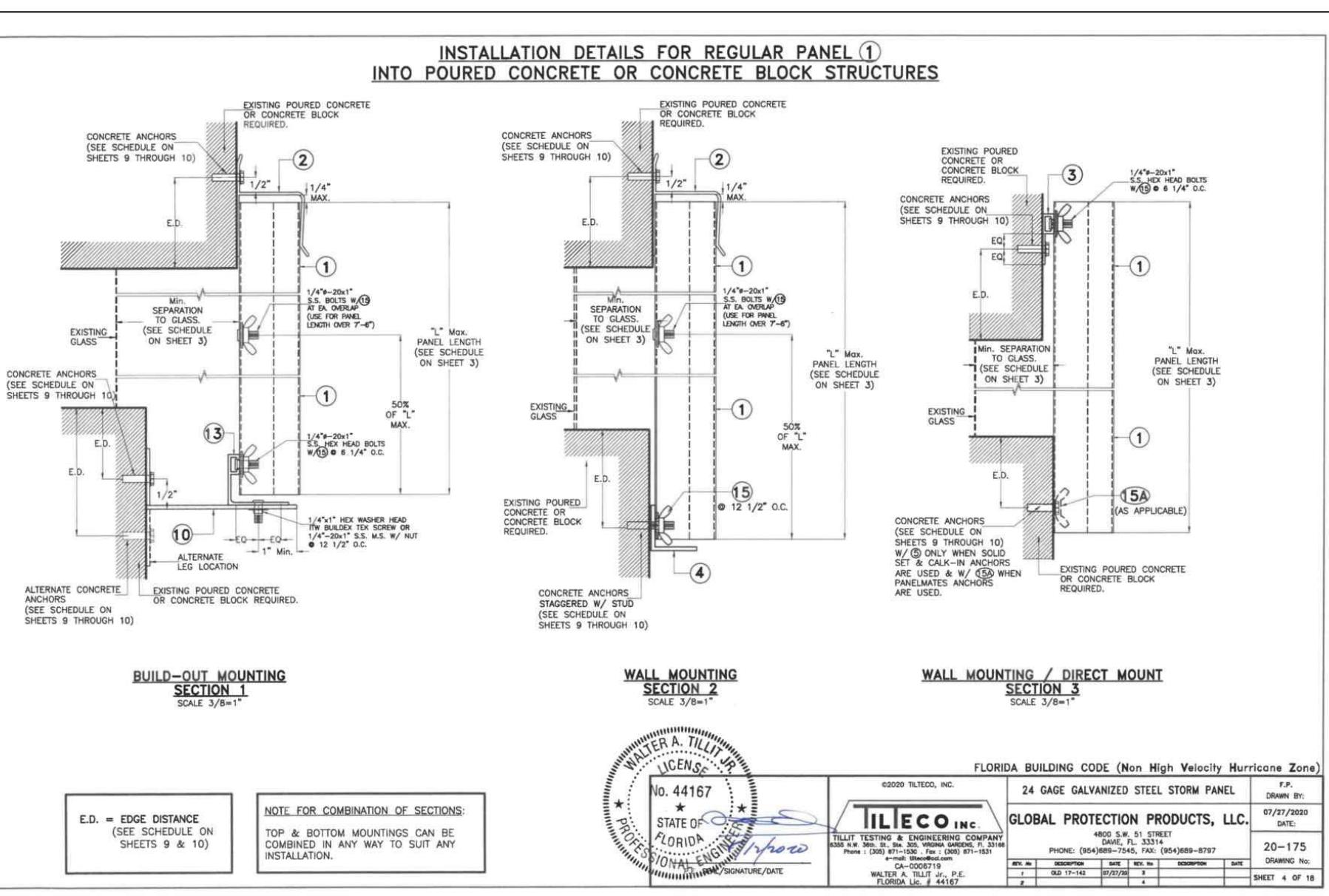
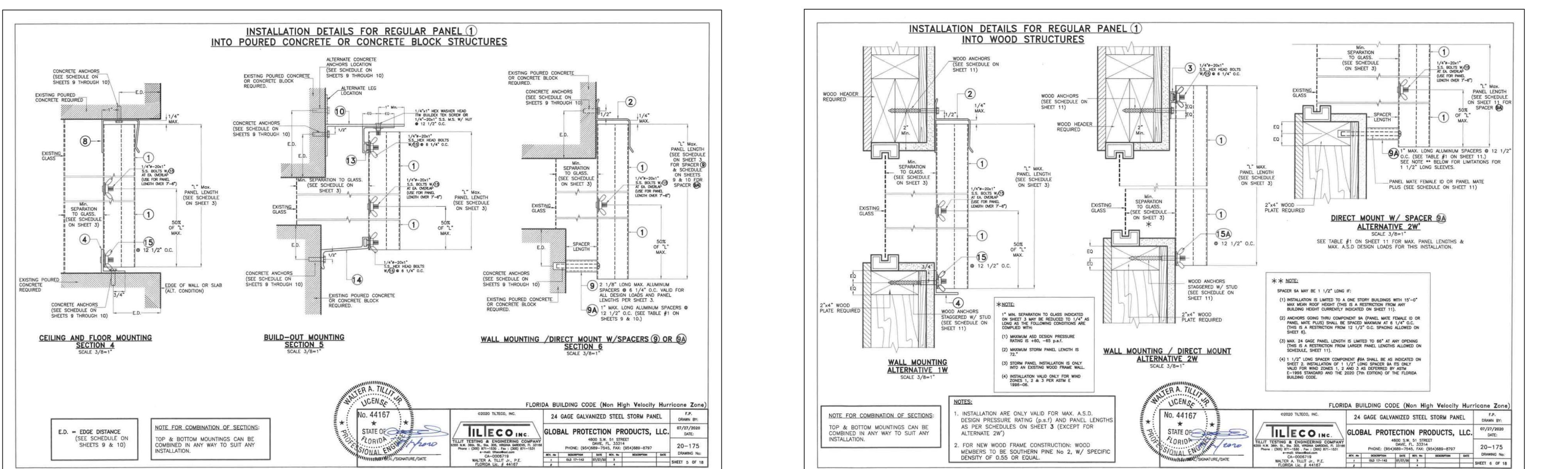
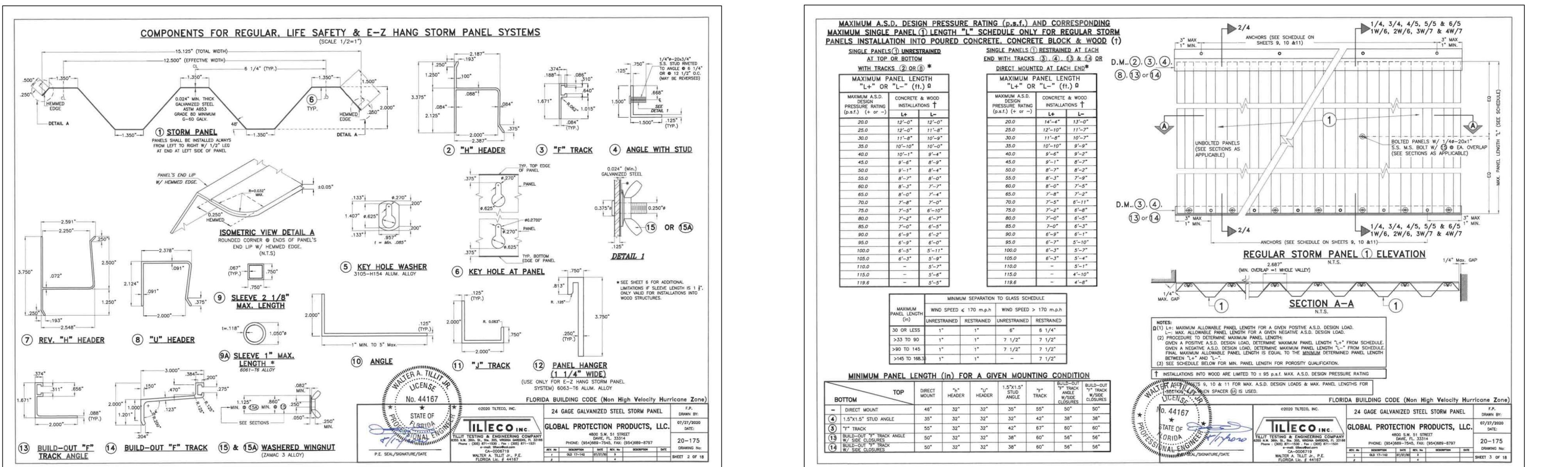
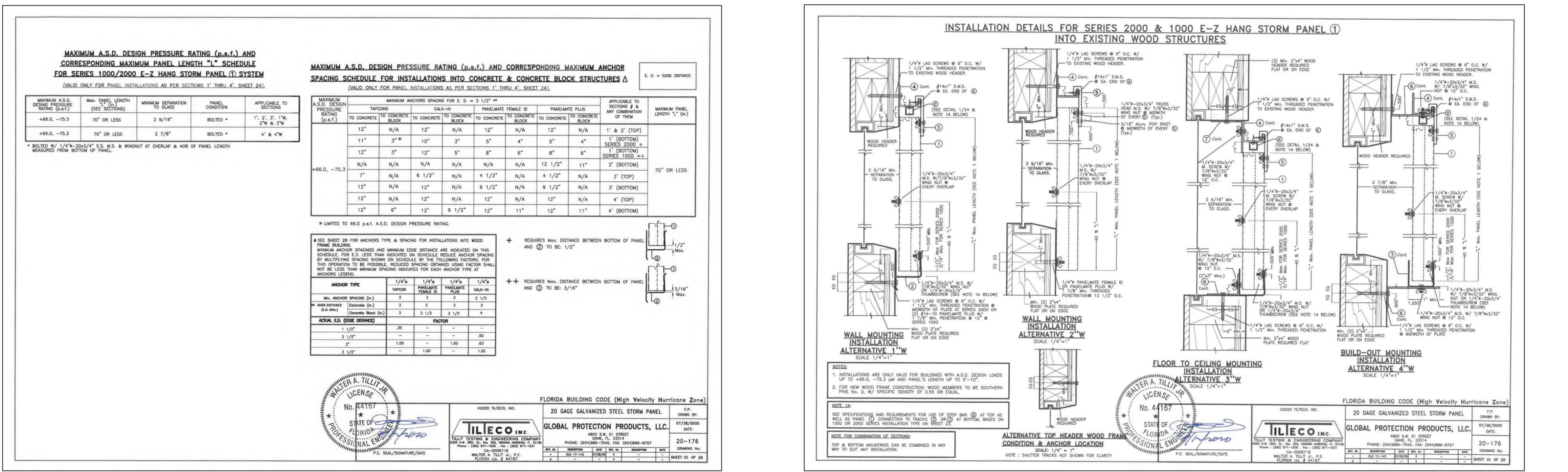
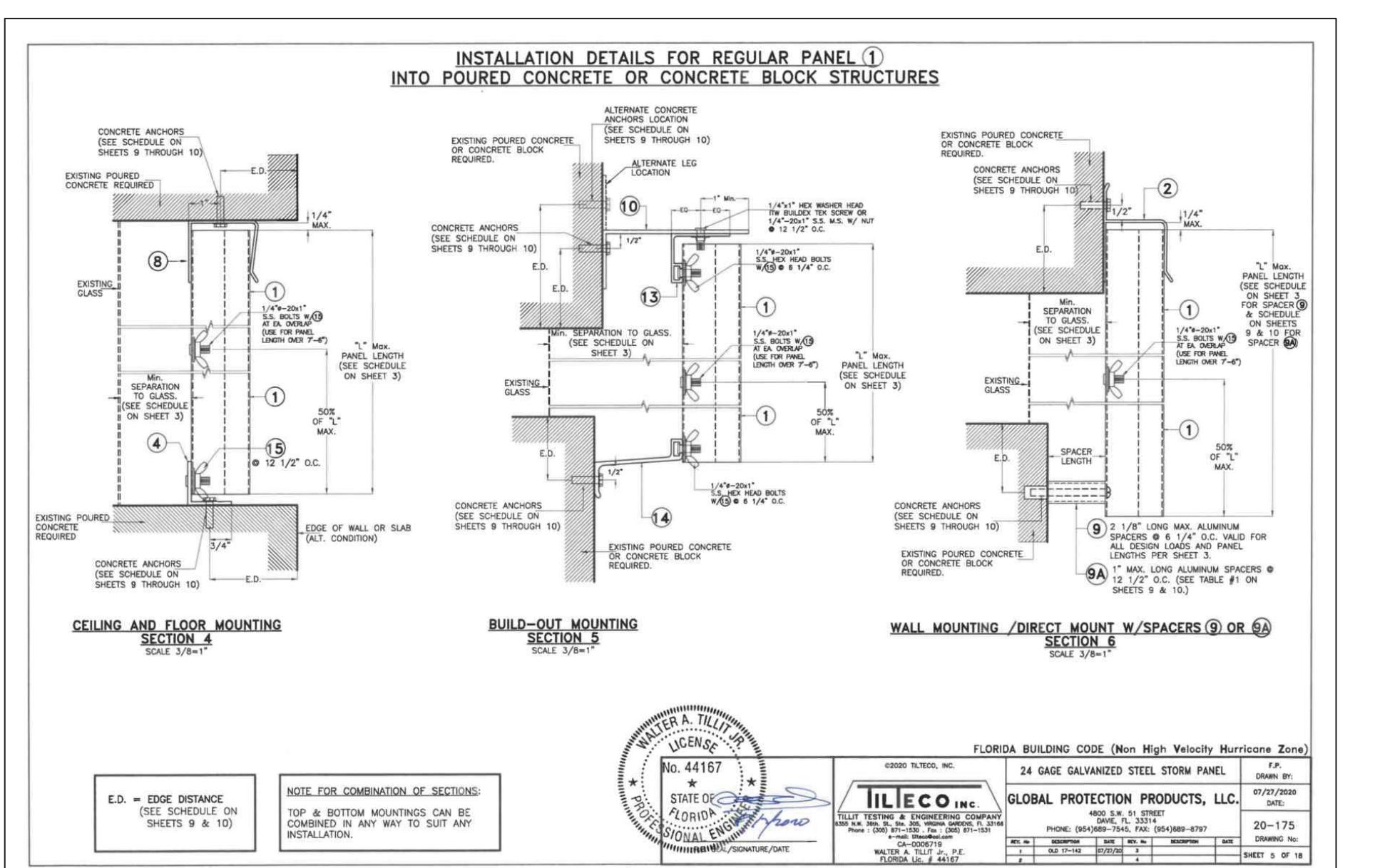
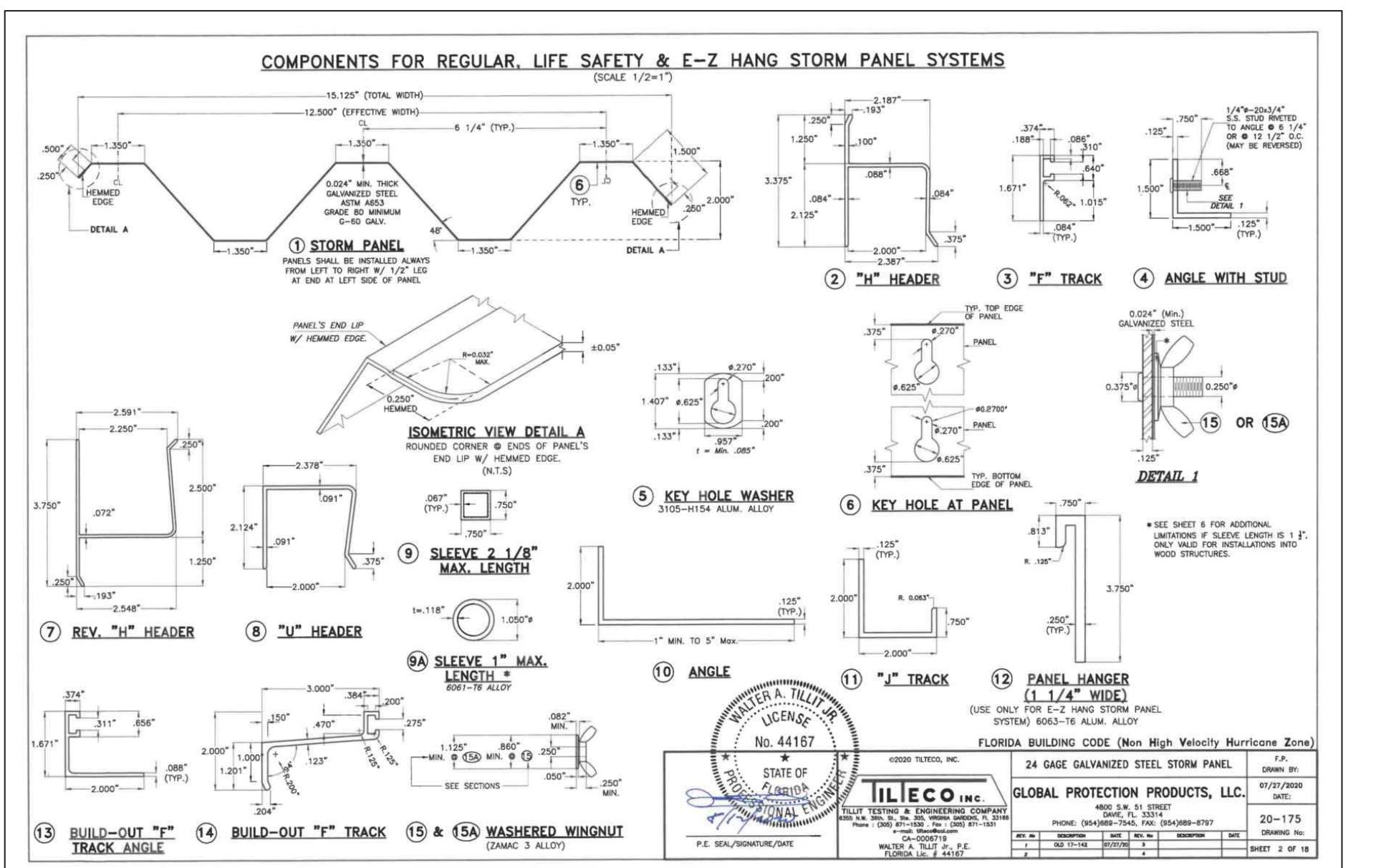
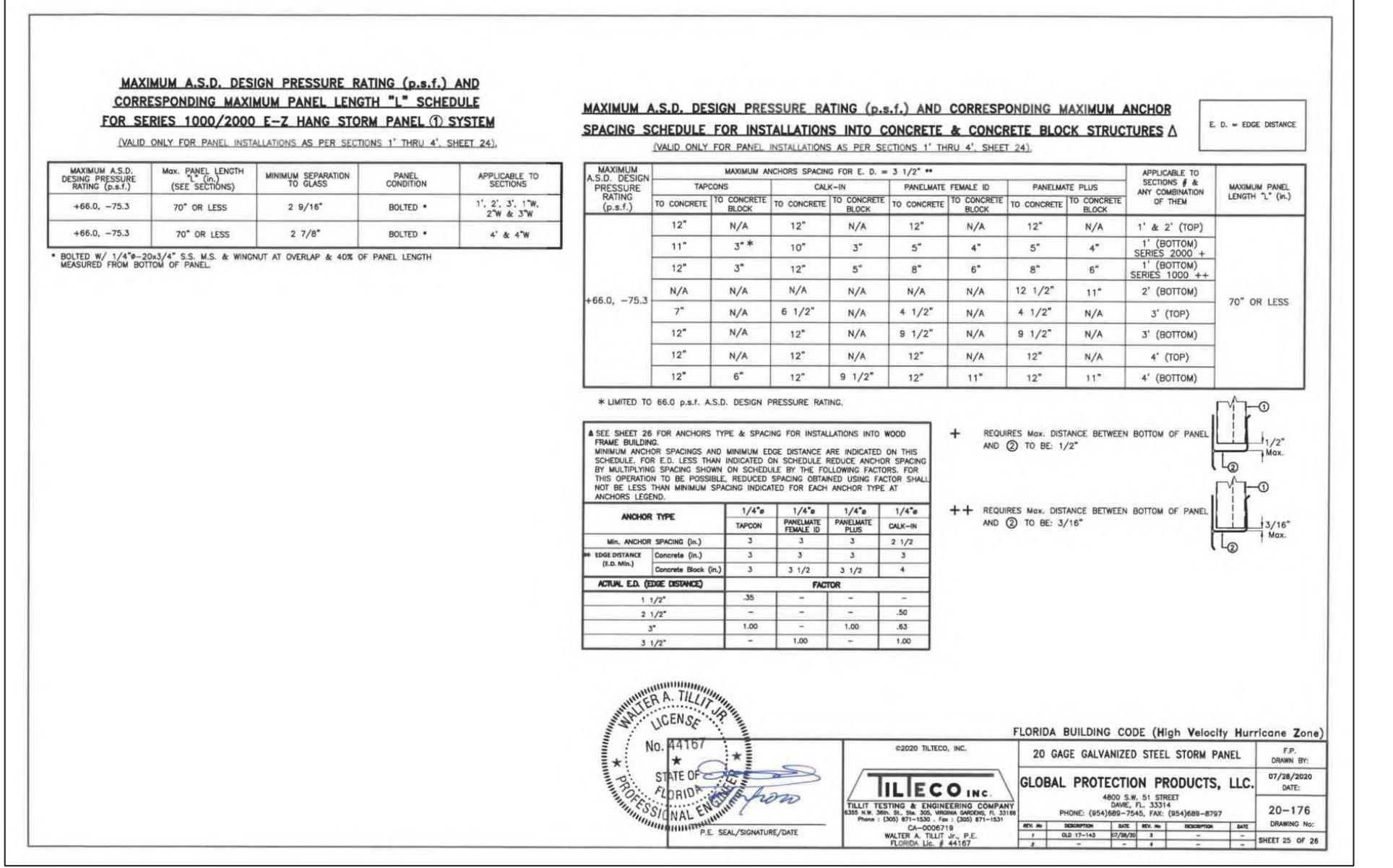
Hurricane Shutters

Base Product Approval Sheet

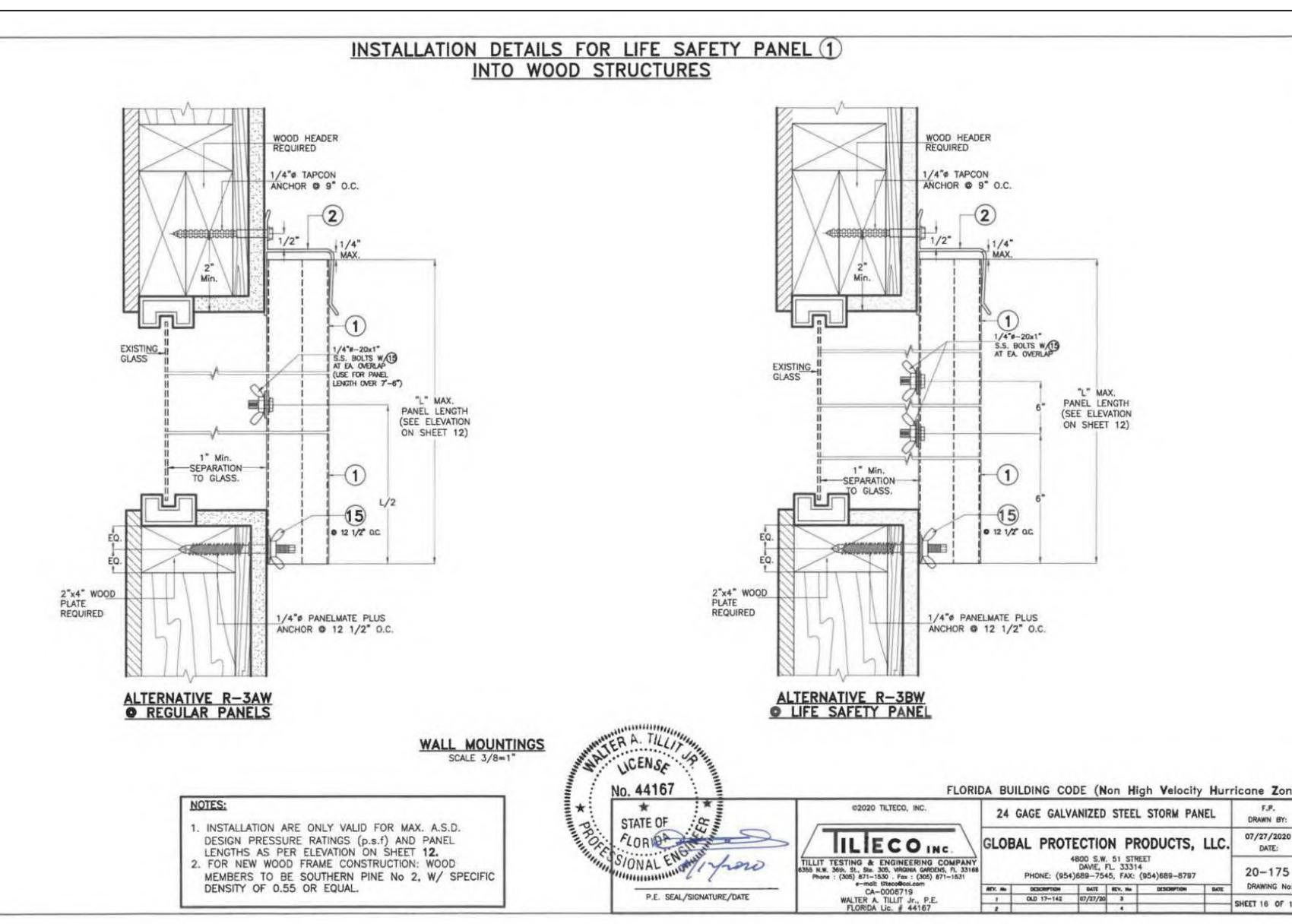
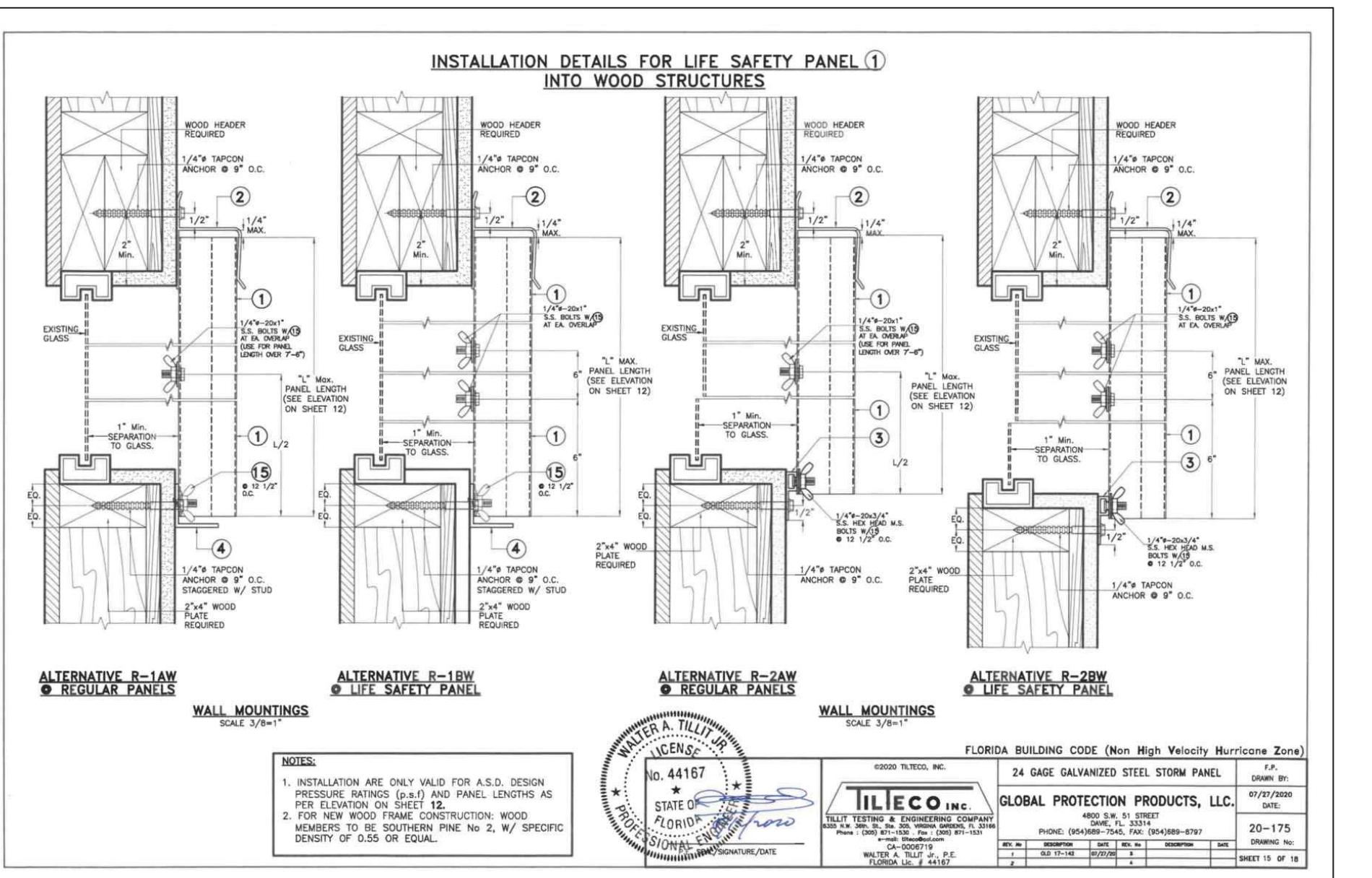
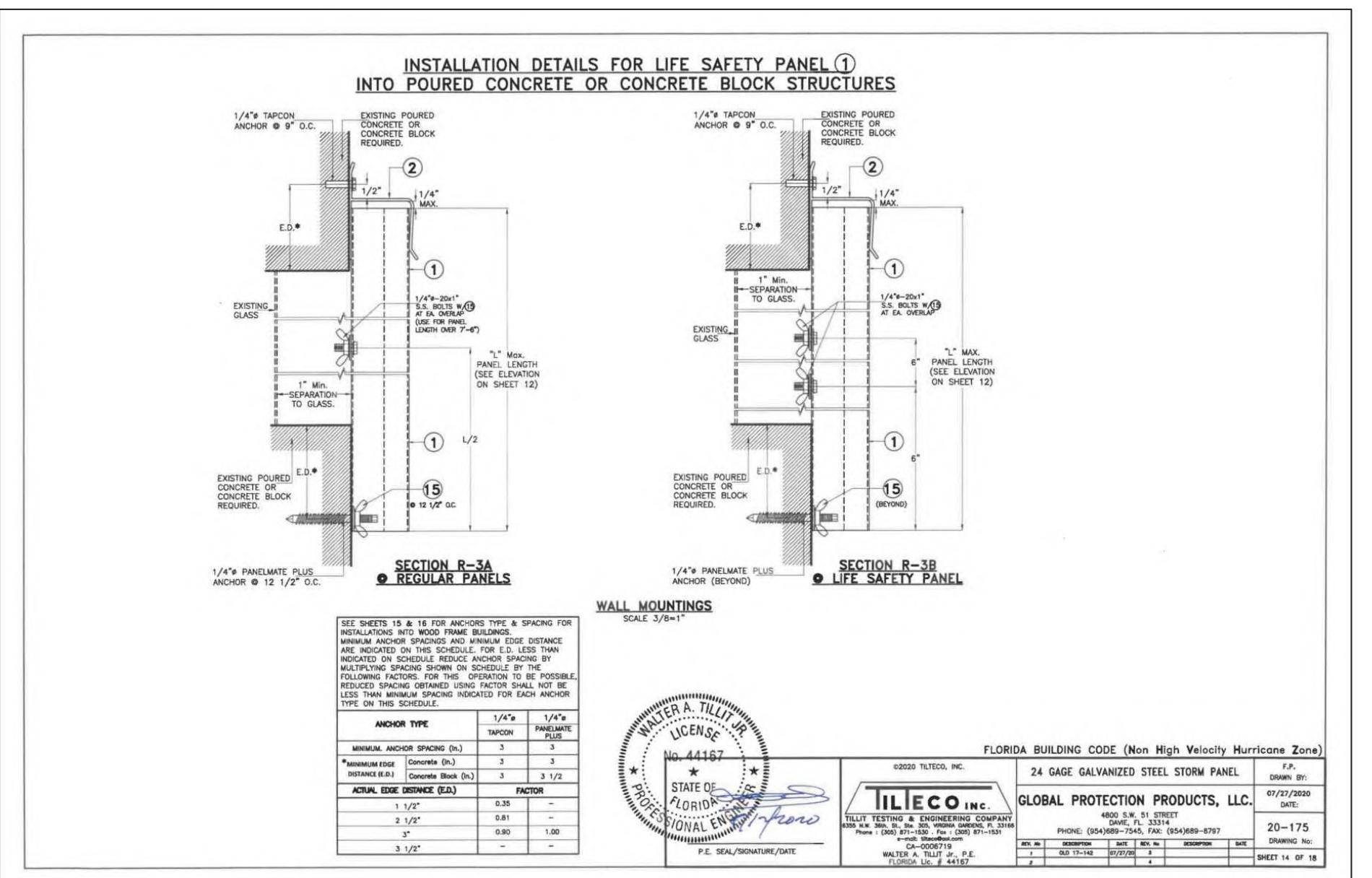
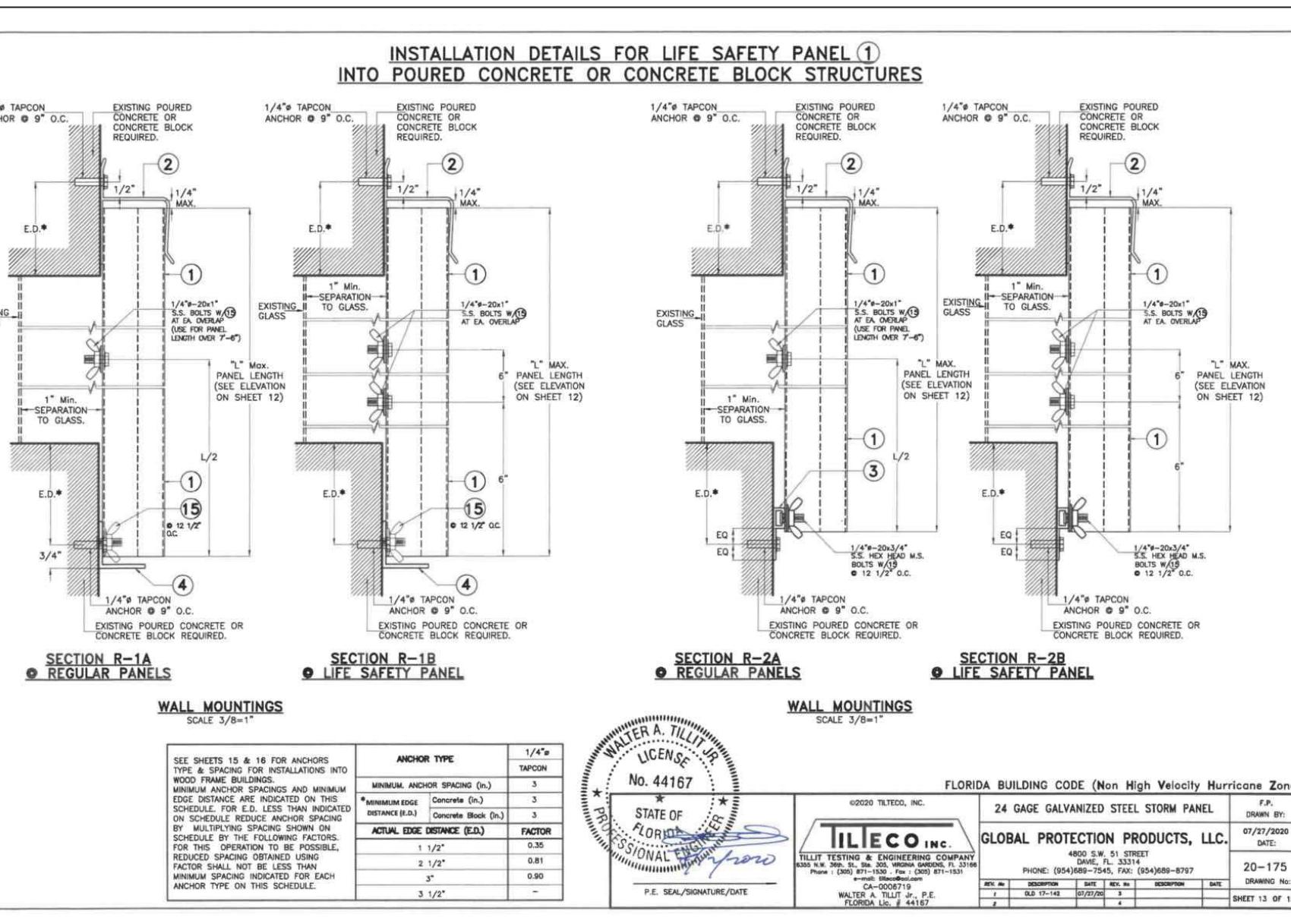
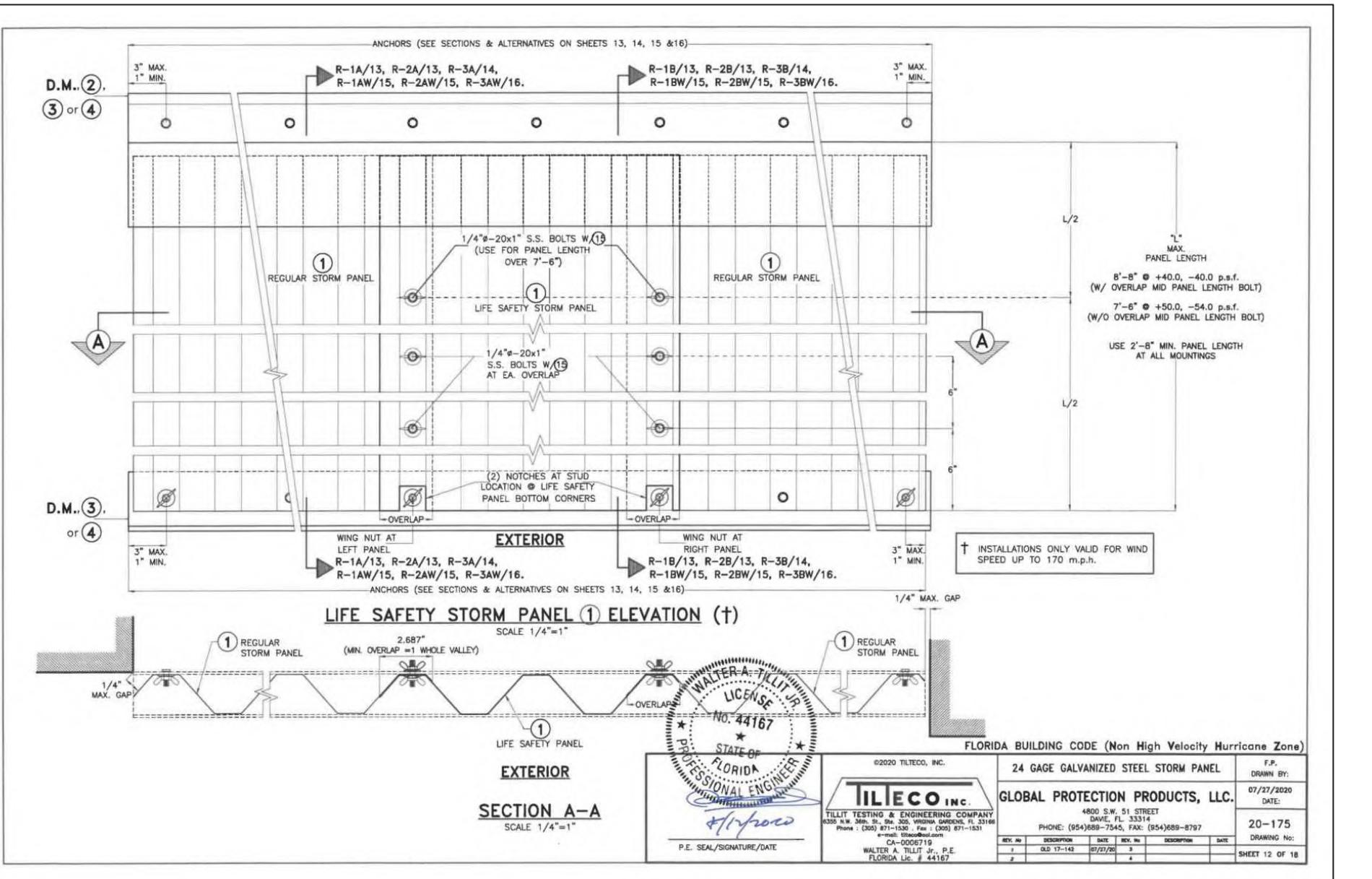
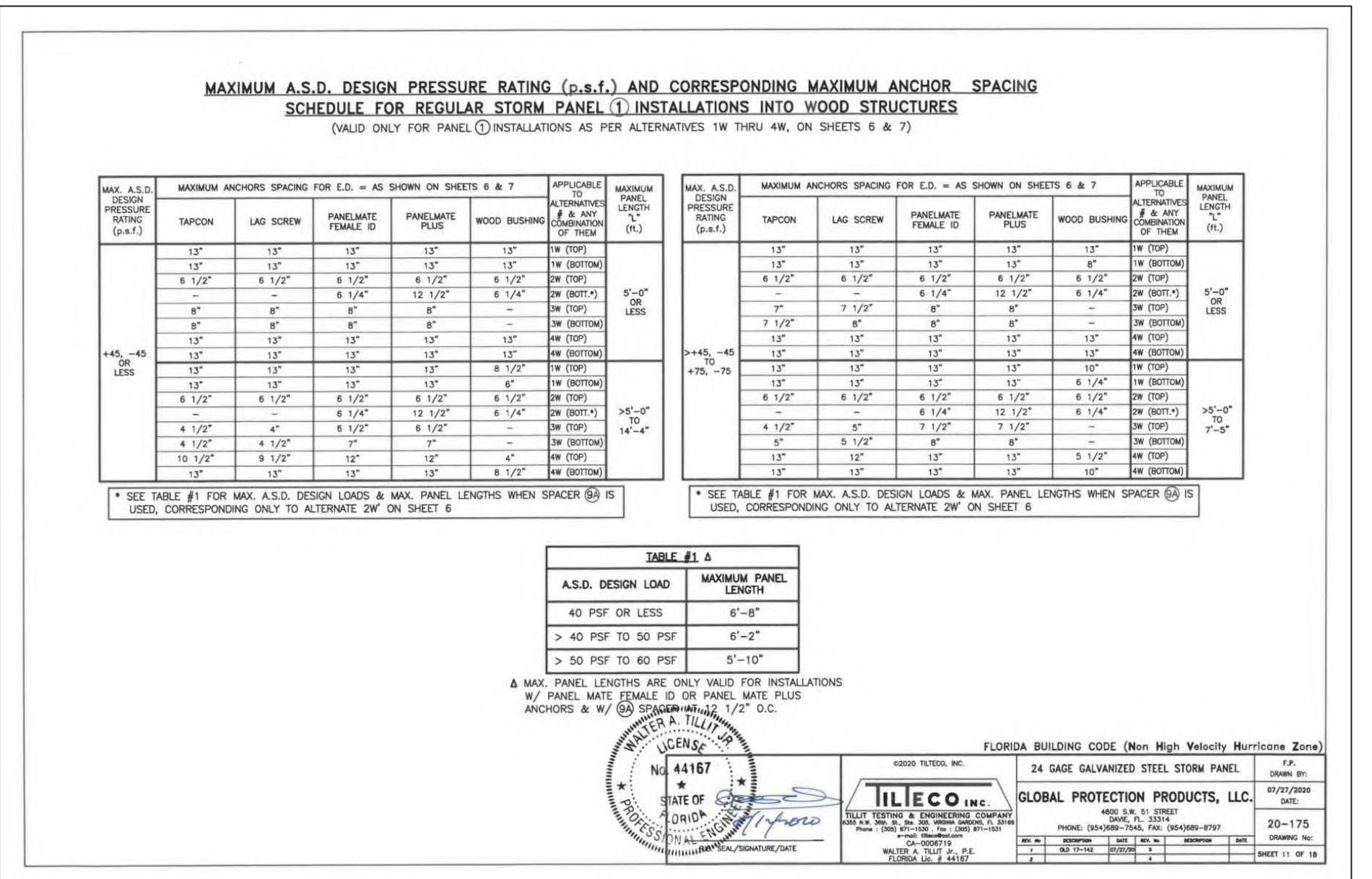
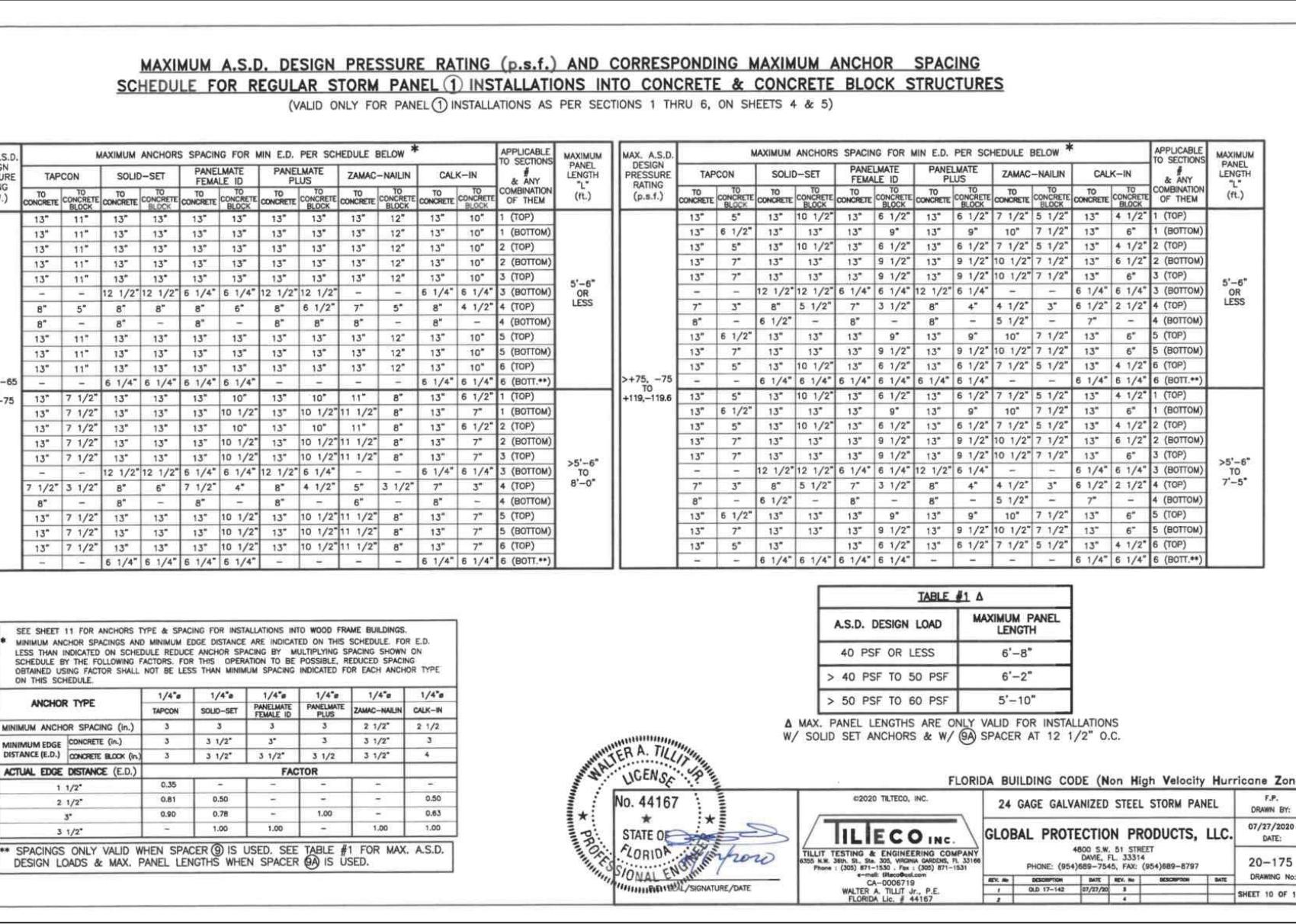
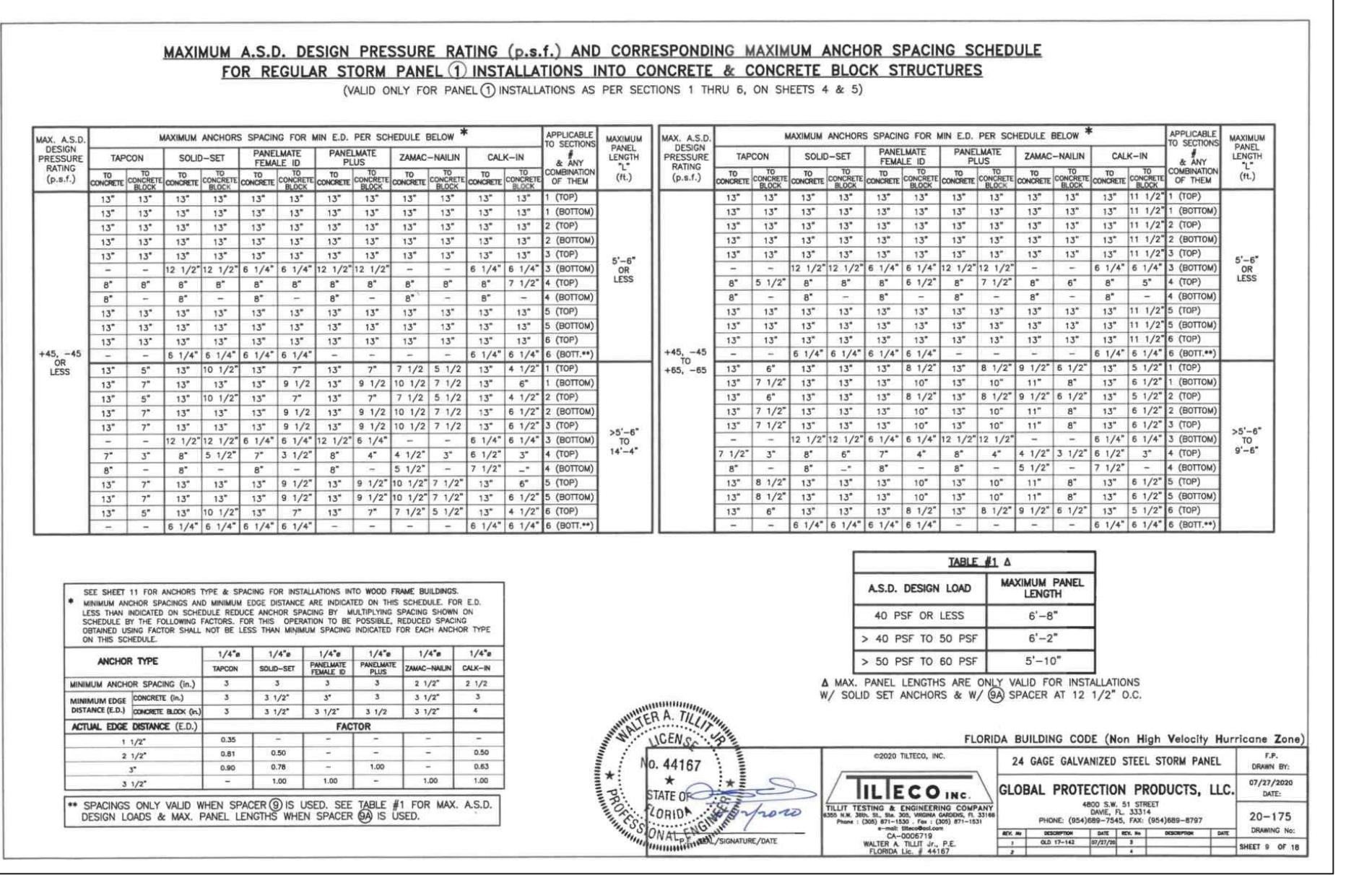
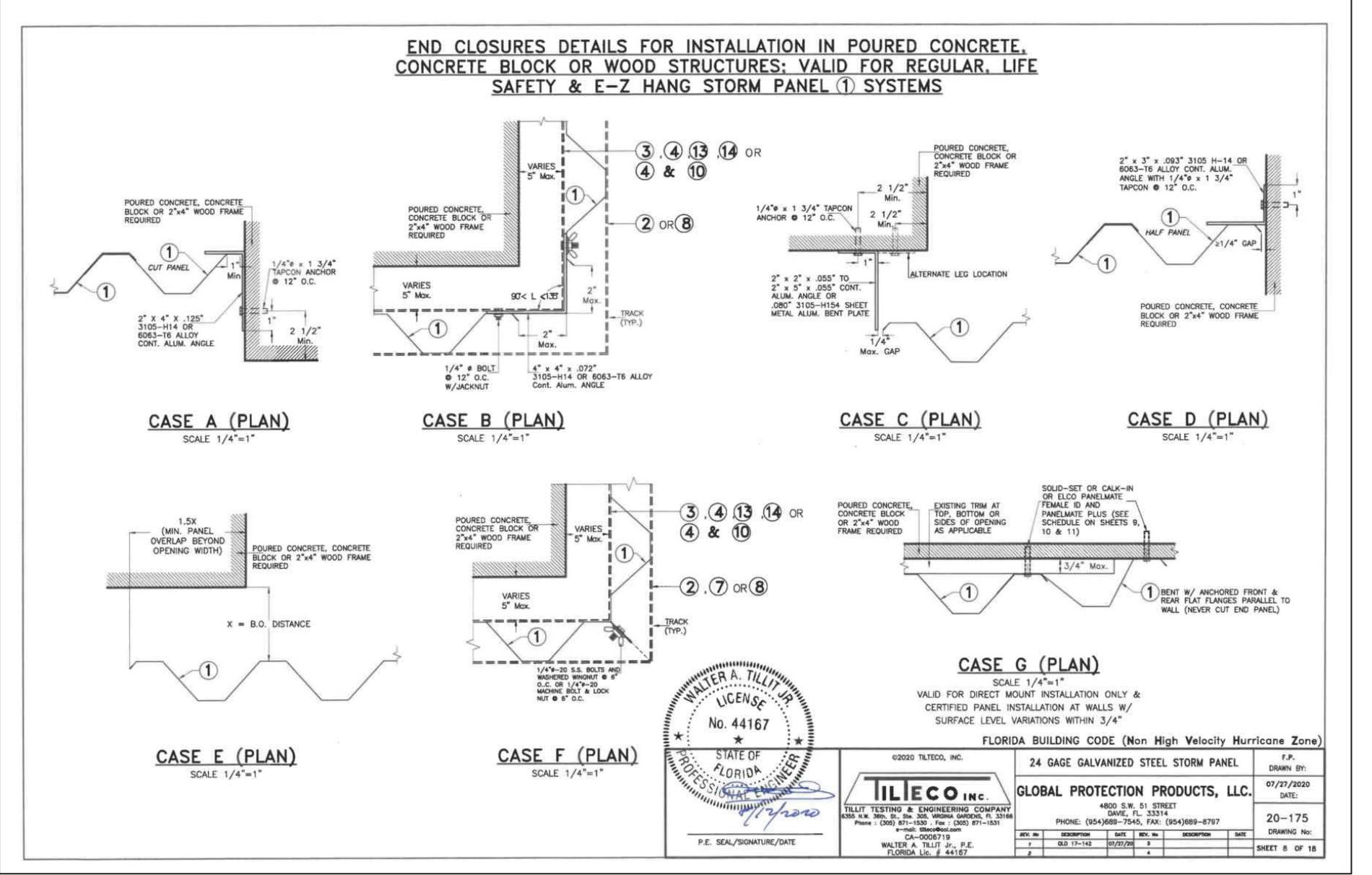
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Base Product Approval Sheet



Hurricane Shutters

Base Product Approval Sheet

PLAN NAME

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