

NEW CONSTRUCTION
Cornielle Real State Enterprises
1050 Route 9W
Nyack, N.Y. 10960

8" HB&G STRUCTURAL EXTERIOR
WOOD COLUMN (TYP.)

NATURAL STONE SEE ELEVATIONS
FOR SPECIFICATIONS



PROPOSED WEATHERED WOOD
COLOR ; TIMBERLINE UltraHD

STO STUCCO FINISHING; COLOR 1015
310-FINE SAND

ALUMINUM FLASHING ON ALL
INTERSECTIONS

INVICTA FOAM PRODUCTS TIN-121-6"
COLOR WHITE.

FRONT ELEVATION

DRAWING LISTS

COVER SHEET & DRAWING LIST

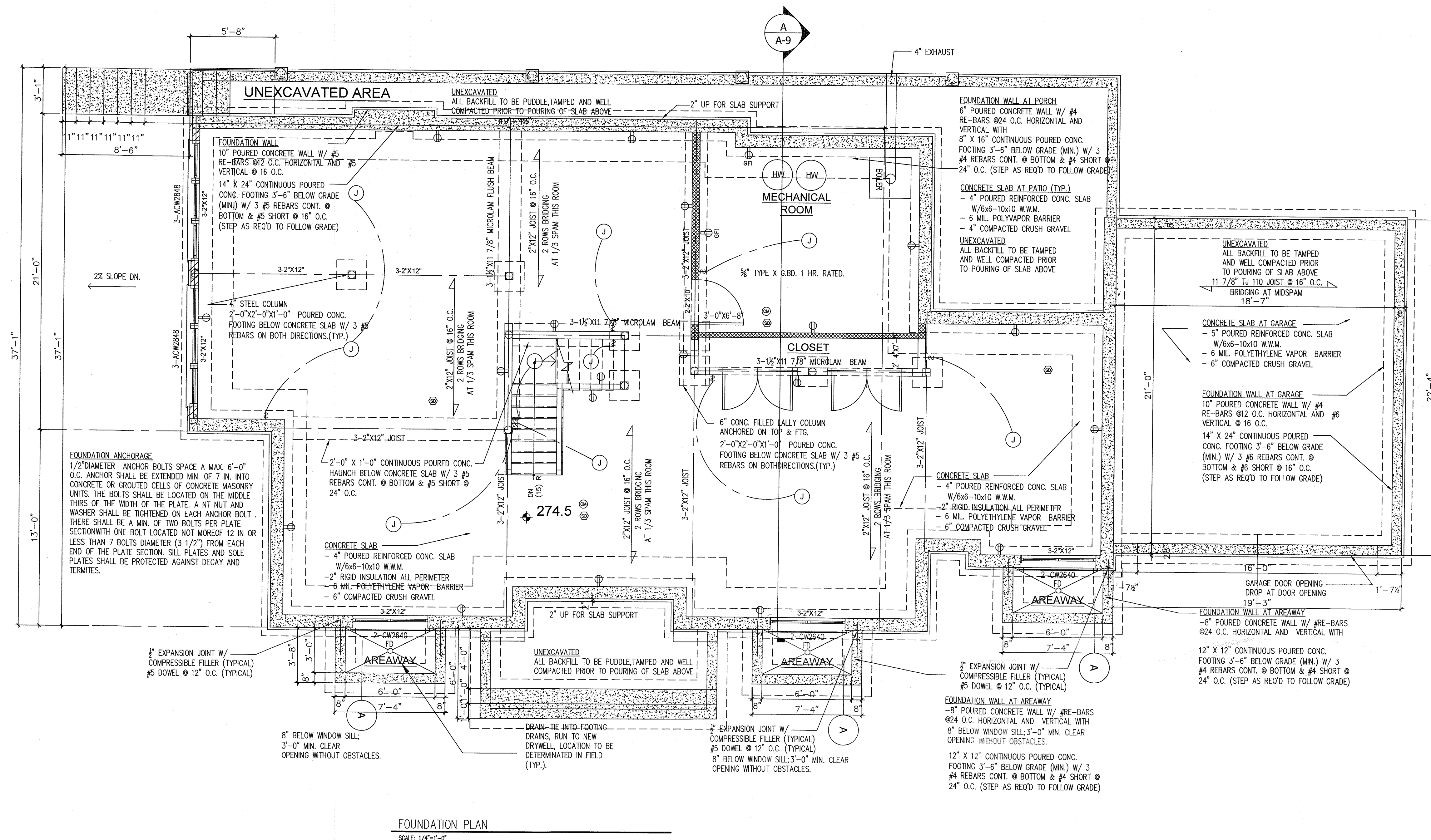
1. GENERAL NOTES; CODE ANALYSIS
2. FOUNDATION PLAN
3. FIRST FLOOR PLAN
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6. FRONT ELEVATION AND ROUTE 9W ELEVATION
7. REAR ELEVATION AND SIDE RIGHT ELEVATION
8. WINDOW AND DOOR ELEVATIONS
9. CROSS SECTION
10. CROSS SECTION & CONSTRUCTION DETAILS
11. CONSTRUCTION DETAILS

Jenny R. Zuniga-Casal
ARCHITECT

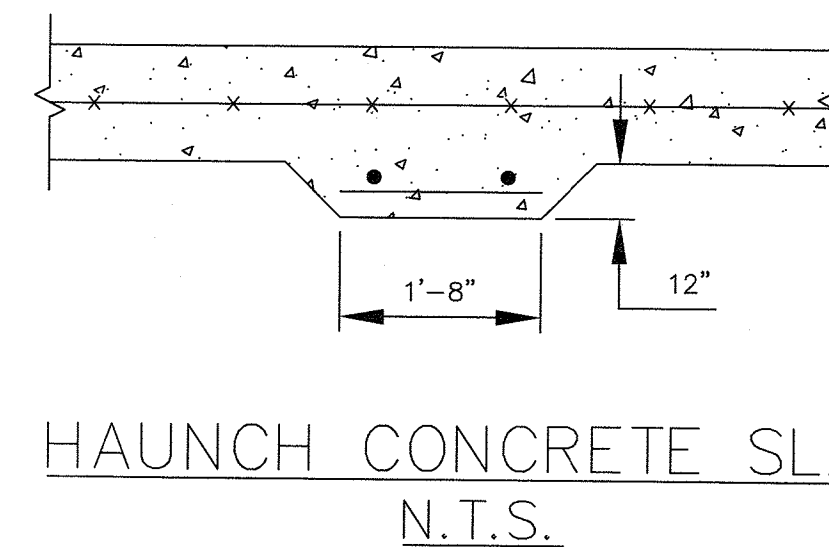
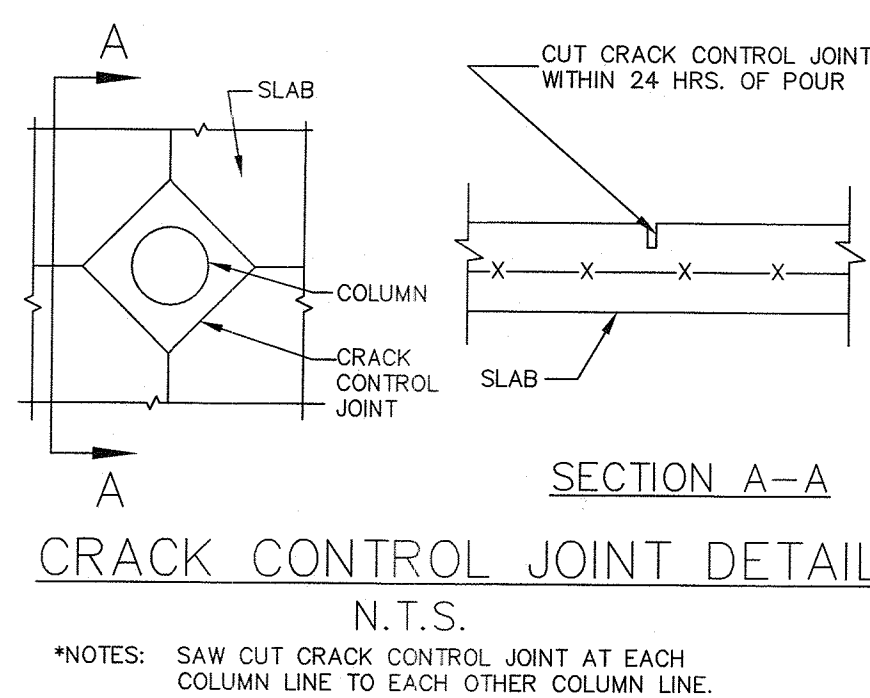
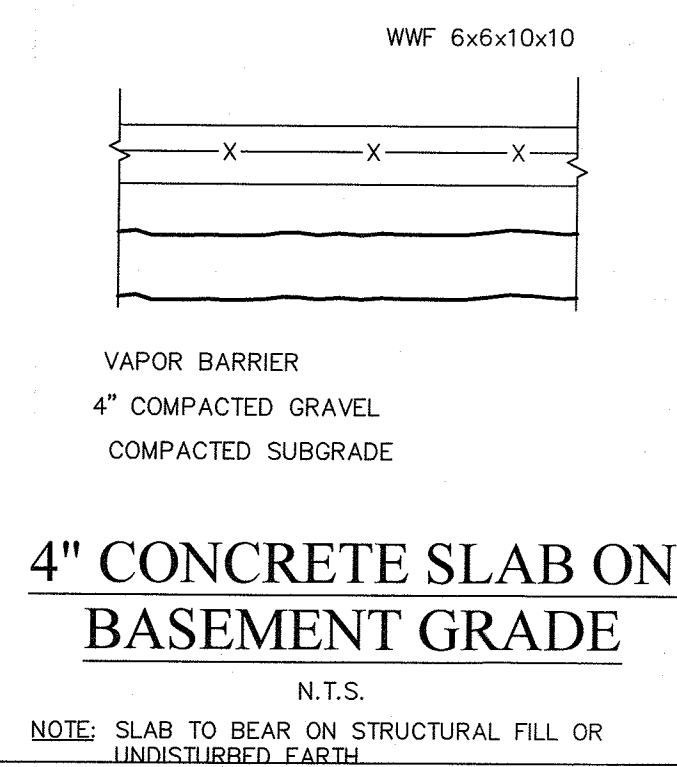
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File Copy



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

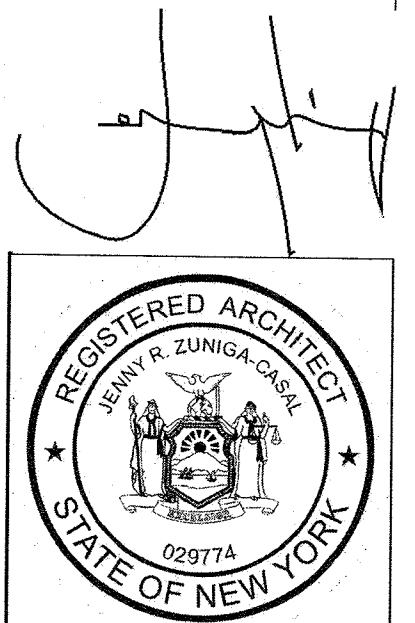


JOB NO:	221-105
DATE:	01/01/21
SCALE:	AS NOTED
DRN. BY:	EAA

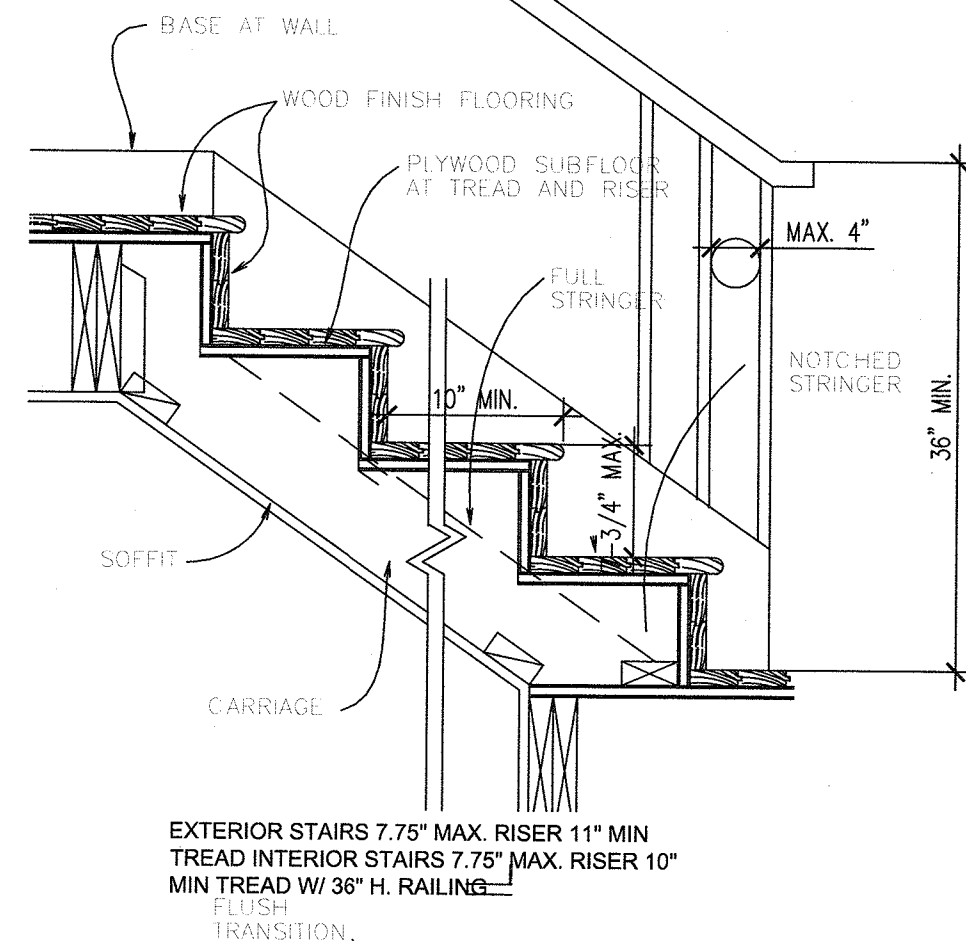
ISSUED:	02-07-20: ACASOR MEETING APPROVED
02-16-21: AMENDMENT AS NOTED	
05-16-21: AMENDMENT AS PER OWNER	
02-27-23: FOR BUILDING PERMIT	
04-08-23: FOR RBA	

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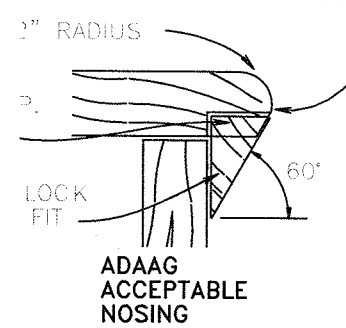
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DRAWING NO.:
A-2



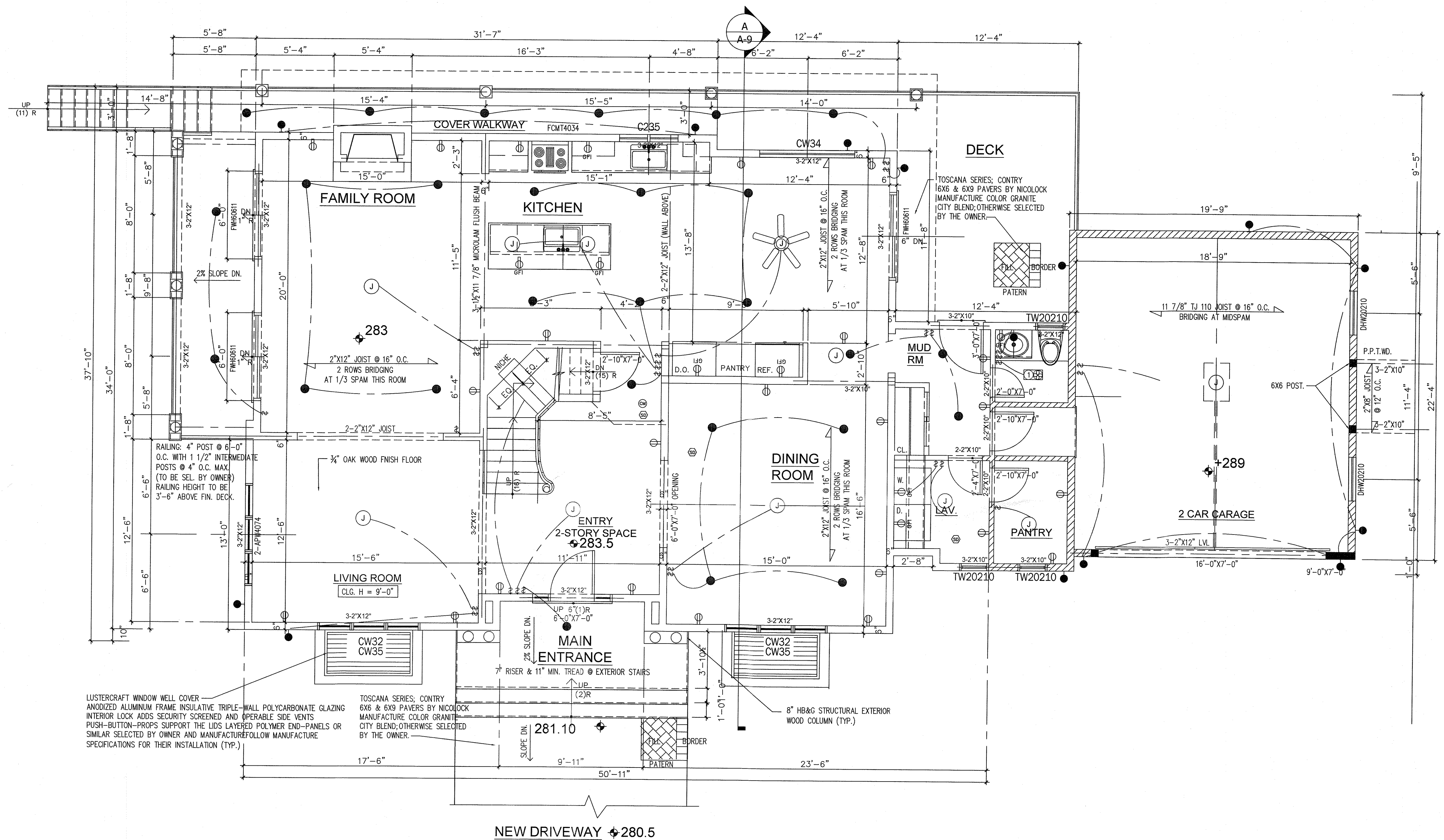
EXTERIOR STAIRS 7.75" MAX. RISER 11" MIN.
TREAD INTERIOR STAIRS 7.75" MAX. RISER 10"
MIN TREAD W/ 36" H. RAILING



INTERIOR & EXTERIOR STAIR DETAIL TYP.
SCALE: 1/2" = 1'-0"

LEGEND

	FLOOR RECEPTACLE
	DUPLEX RECEPTACLE
	DUPLEX RECEPTACLE
	GFI
	QUADRUPLEX RECEPTACLE
	DEDICATED APPLIANCE CIRCUIT
	CATV
	TELEPHONE
	SWITCH
	SWITCH (3 WAY)
	DIMMER
	SPRINKLERS
	LOUDSPEAKER
	CARBON MONOXIDE
	SMOKE DETECTOR
	FIRE EXTINGUISH
	STROBE
	PULL STATION
	THERMOSTAT
	CEILING VENTILATION
	SUPPLY AIR DIFFUSER A.C.
	RETURN AIR GRILLE A.C.
	2'X2' CEILING TILE
	2'X4' CEILING TILE
	WALL MOUNTED EXIT SIGN
	CEILING MOUNTED EXIT SIGN
	EMERGENCY LIGHT
	BATHROOM EXHAUST
	HEAT DETECTOR
	RECESSED DOWN LIGHT
	CEILING MOUNTED FIXTURE
	WALL MOUNTED FIXTURE
	EXTERIOR WALL MOUNTED FIXTURE
	UNDER CABINET

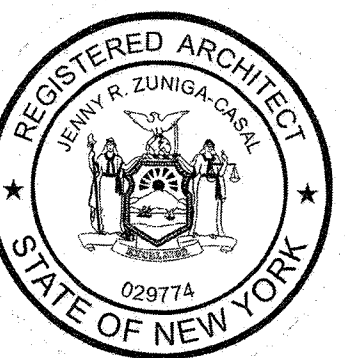


FIRST FLOOR PLAN
SCALE: 1/4" = 1'-0"

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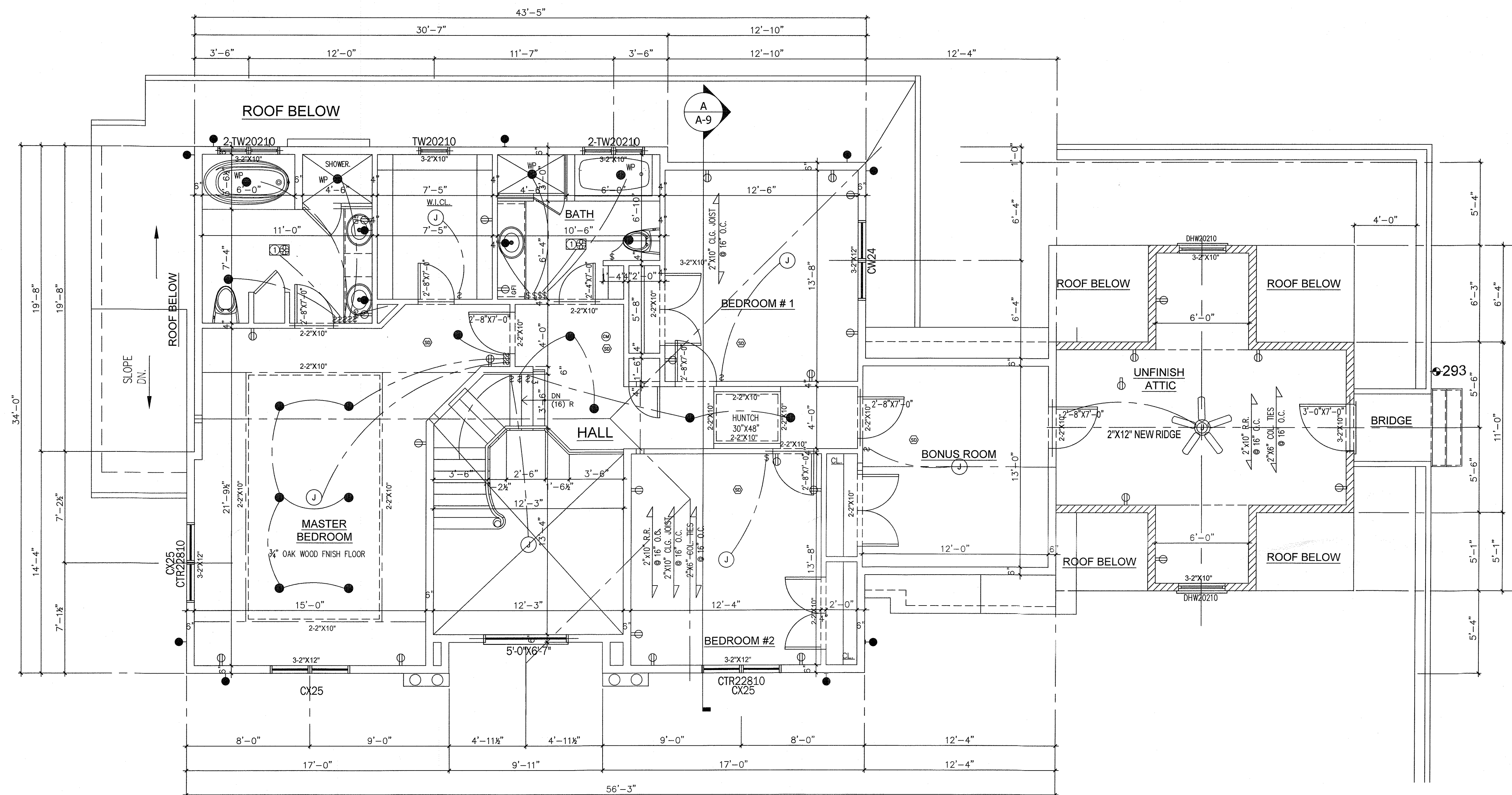
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ISSUED
04-07-20 ACABOR MEETING APPROVED
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Jenny R. Zuniga-Casal
 ARCHITECT

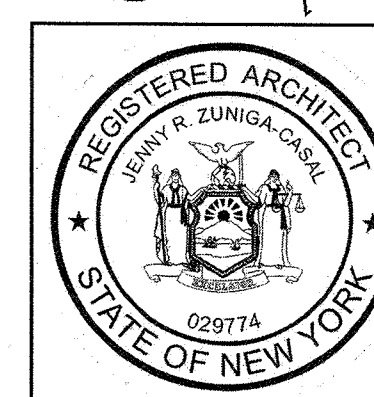
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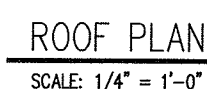
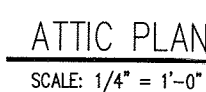
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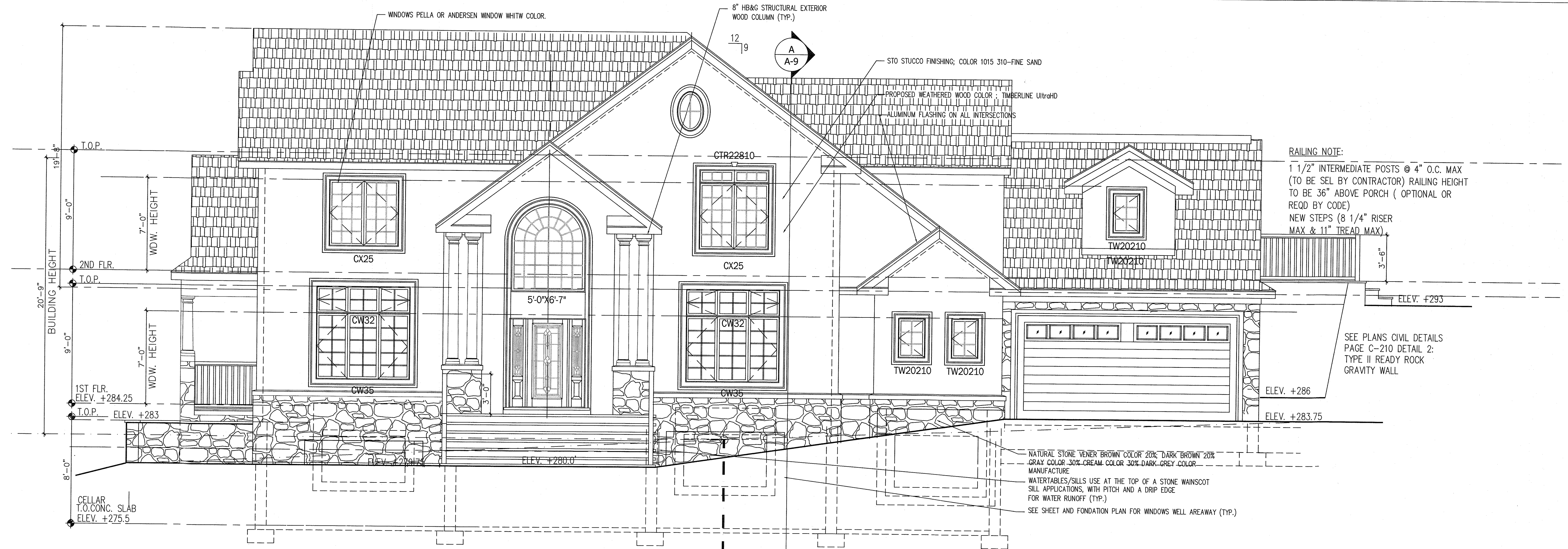
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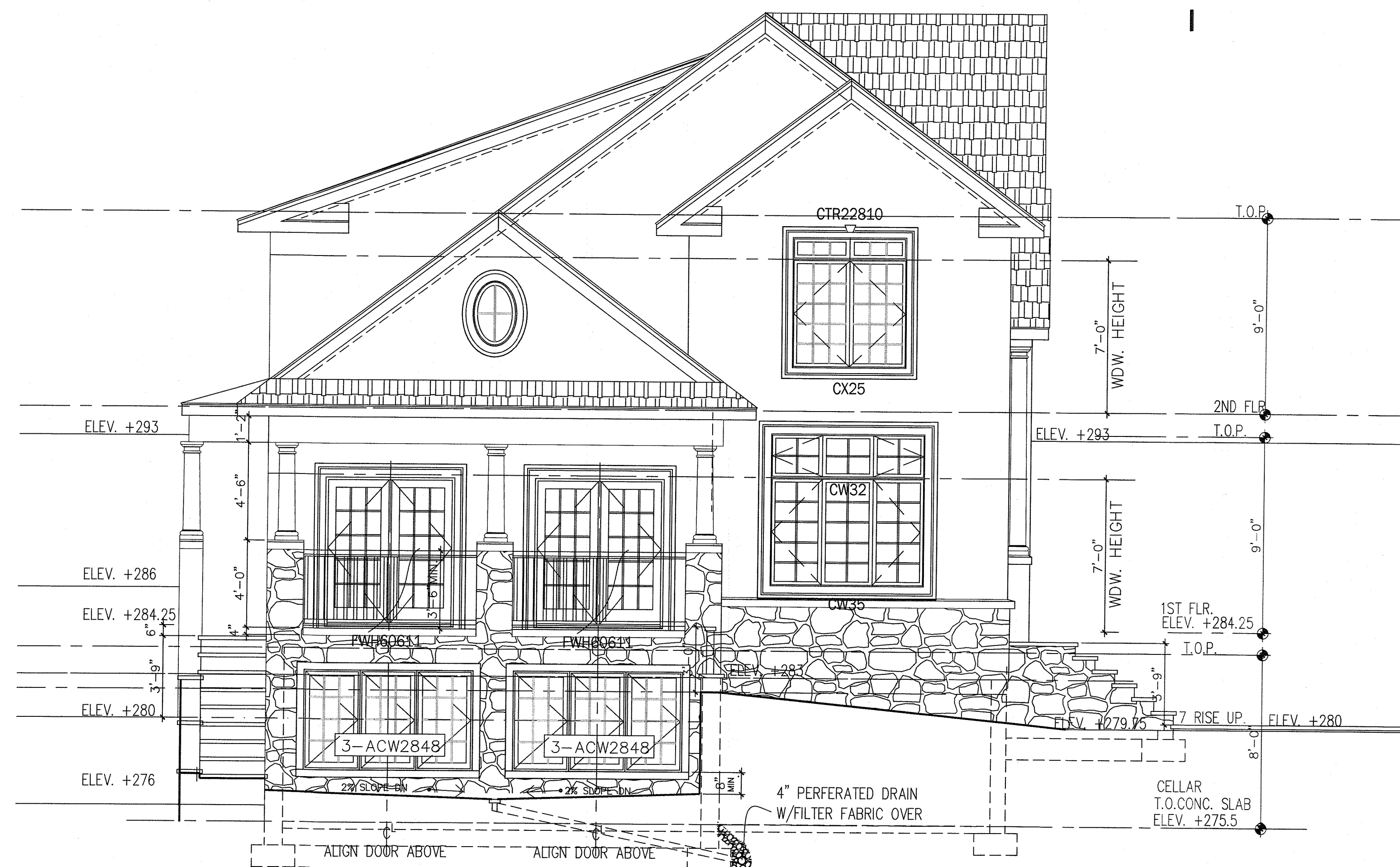
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A-5



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



ROUTE 9W ELEVATION
SCALE: 1/4" = 1'-0"

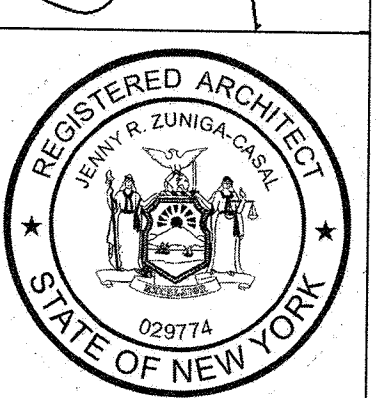
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DRAWING NO.:
A-6

RAILING NOTE:

1 1/2" INTERMEDIATE POSTS @ 4" O.C. MAX
(TO BE SEL BY CONTRACTOR) RAILING HEIGHT
TO BE 36" ABOVE PORCH (OPTIONAL OR
REQD BY CODE)

NEW STEPS (8 1/4" RISER
MAX & 11" TREAD MAX)

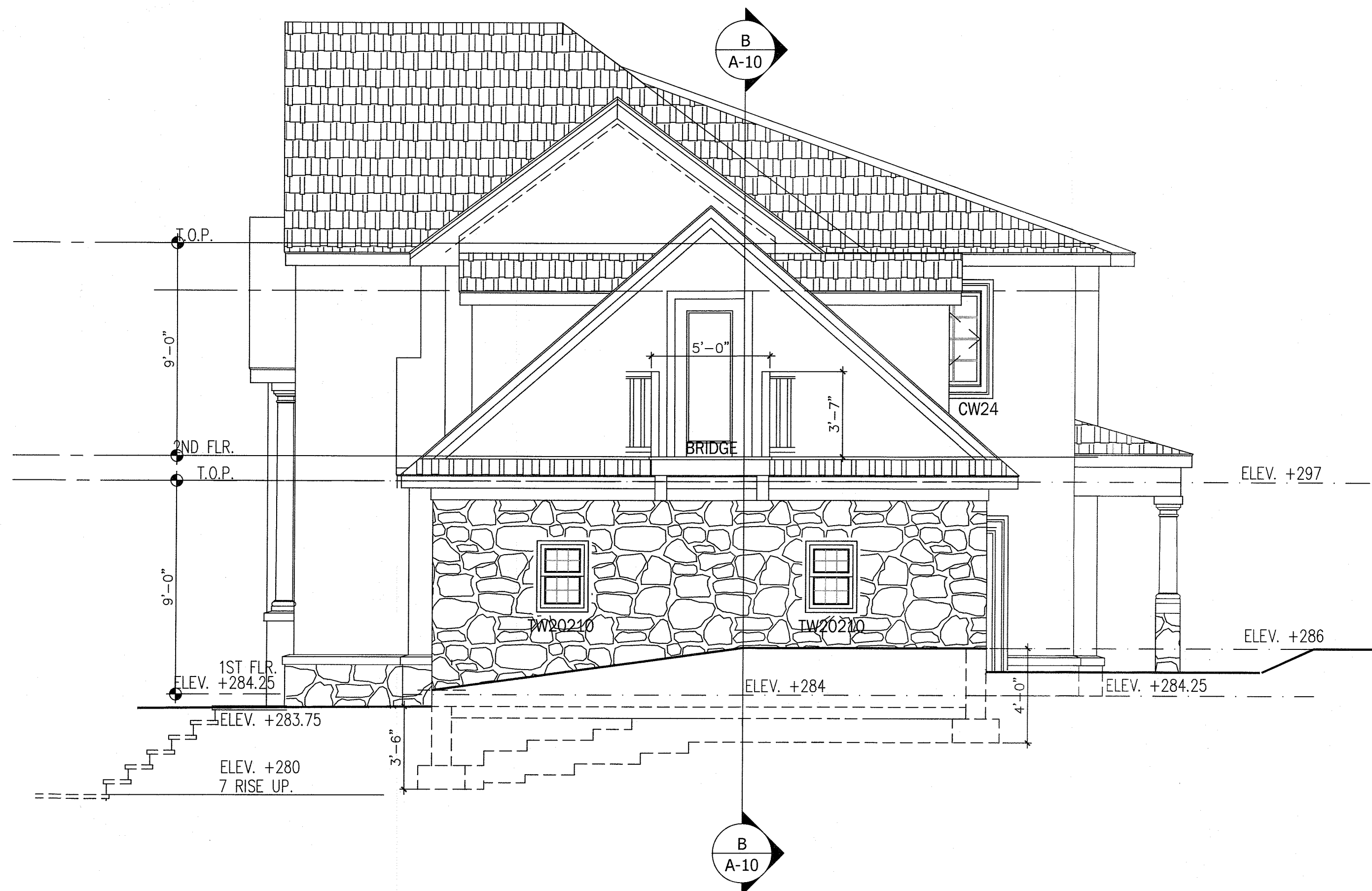
SEE PLANS CIVIL DETAILS
PAGE C-210 DETAIL 2:
TYPE II READY ROCK
GRAVITY WALL
ELEV. +286

CONC. SLAB
ELEV. +284

NATURAL STONE VENER BROWN COLOR 20% DARK BROWN 20%
GRAY COLOR 30% CREAM COLOR 30% DARK GREY COLOR
MANUFACTURE

WATERTABLES/SILLS USE AT THE TOP OF A STONE WAINSCOT
SILL APPLICATIONS, WITH PITCH AND A DRIP EDGE
FOR WATER RUNOFF (TYP.)
SEE SHEET AND FOUNDATION PLAN FOR WINDOWS WELL
AREAWAY (TYP.)

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



SIDE RIGHT ELEVATION
SCALE: 1/4" = 1'-0"

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02-16-21 AMENDMENT 02 ARCH. LAY-OUT
02-27-21 AMENDMENT 03 ARCH. LAY-OUT
04-08-23 FOR RBA

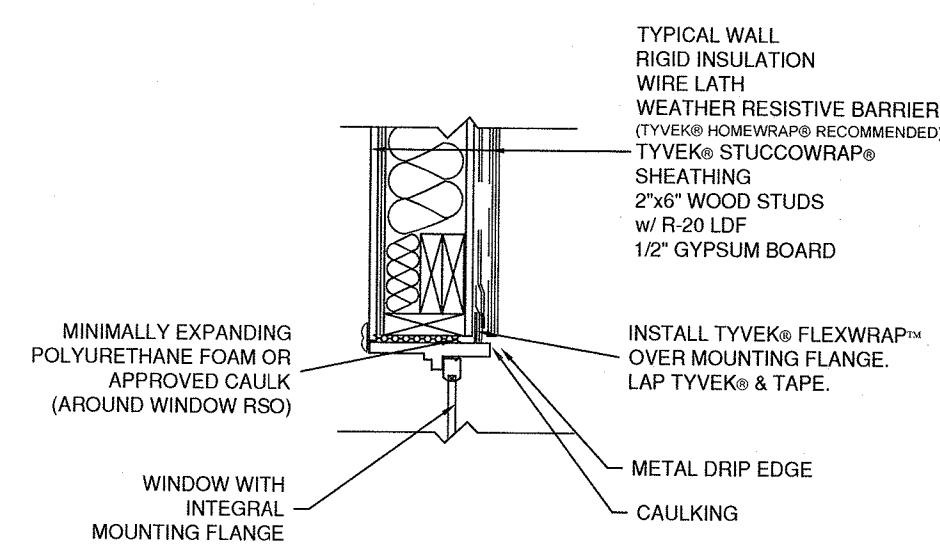
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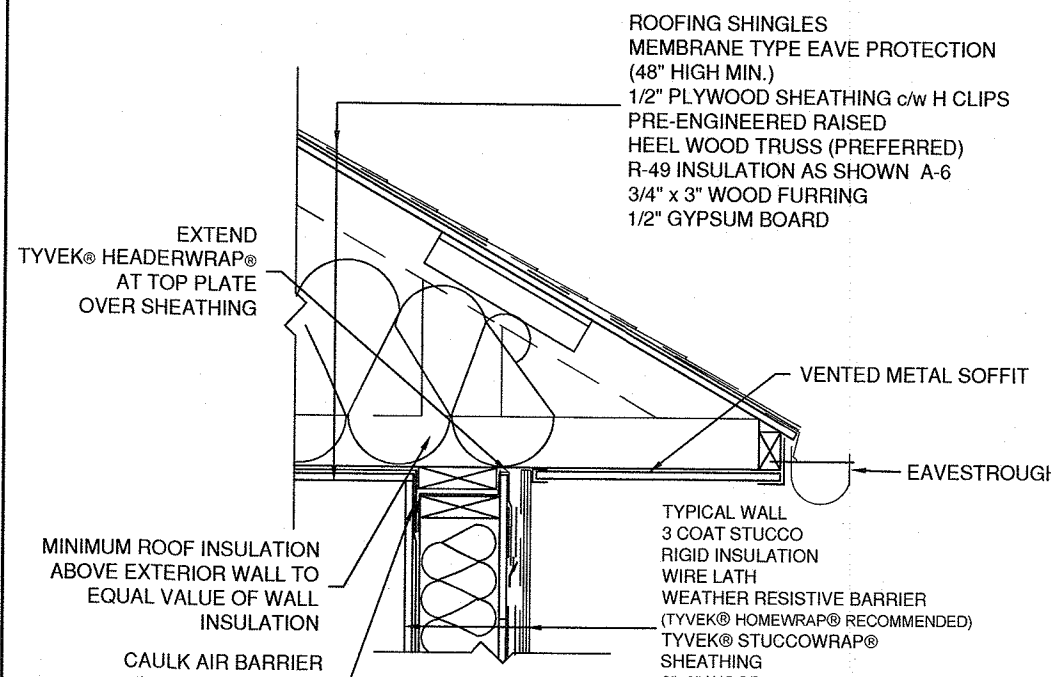
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A-7

GENERAL NOTES
 *SEAL ALL TYVEK® JOINTS AND PENETRATIONS WITH APPROVED TAPE. (EX. DUPONT CONTRACTOR TAPE)
 *FASTEN TYVEK® TO SHEATHING WITH LARGE HEAD NAILS OR USE NAILS WITH LARGE PLASTIC WASHER HEADS. (EX. DUPONT WRAPCAPS)
 *LOCAL LAWS, ZONING, AND BUILDING CODES VARY AND THEREFORE GOVERNS OVER MATERIAL SELECTION AND DETAILING SHOWN BELOW.
 *INSTALL STUCCO ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS



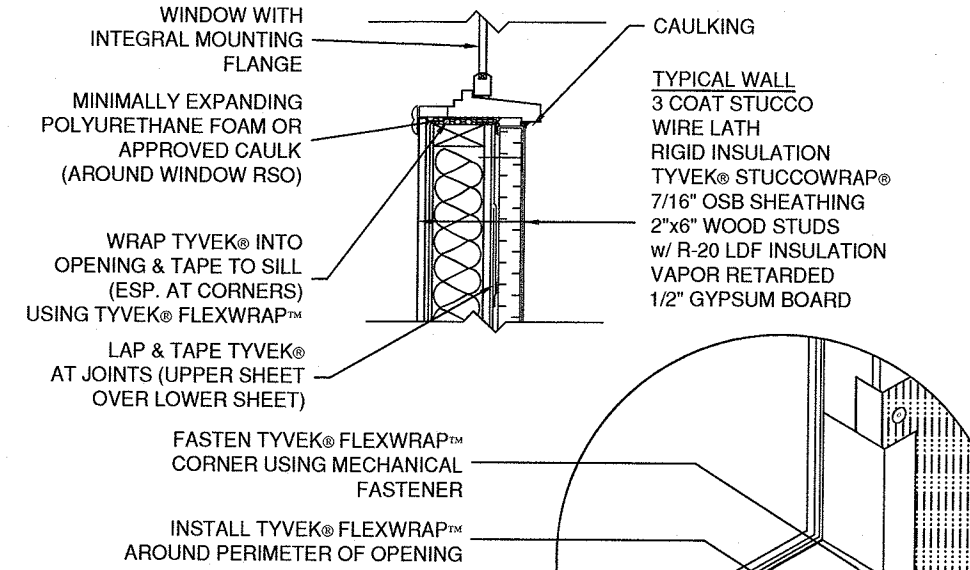
WINDOW HEAD DETAIL
 RESIDENTIAL WOOD FRAME STRUCTURE w/ STUCCO

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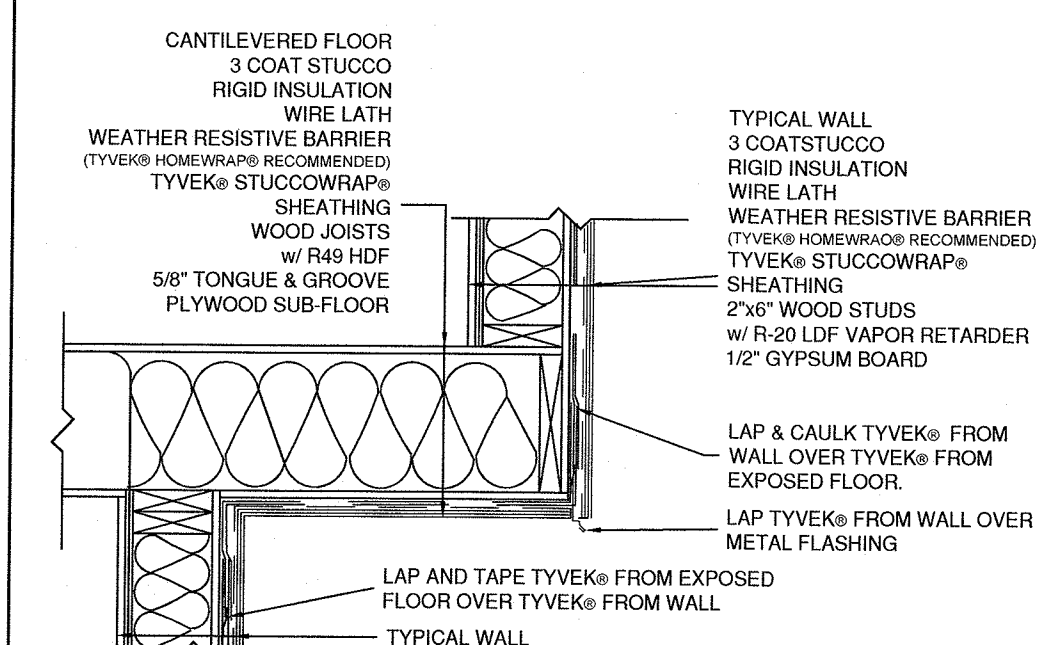
ROOF/WALL INTERFACE DETAIL
 RESIDENTIAL WOOD FRAME STRUCTURE w/ STUCCO

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 *INSTALL EIFS ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS

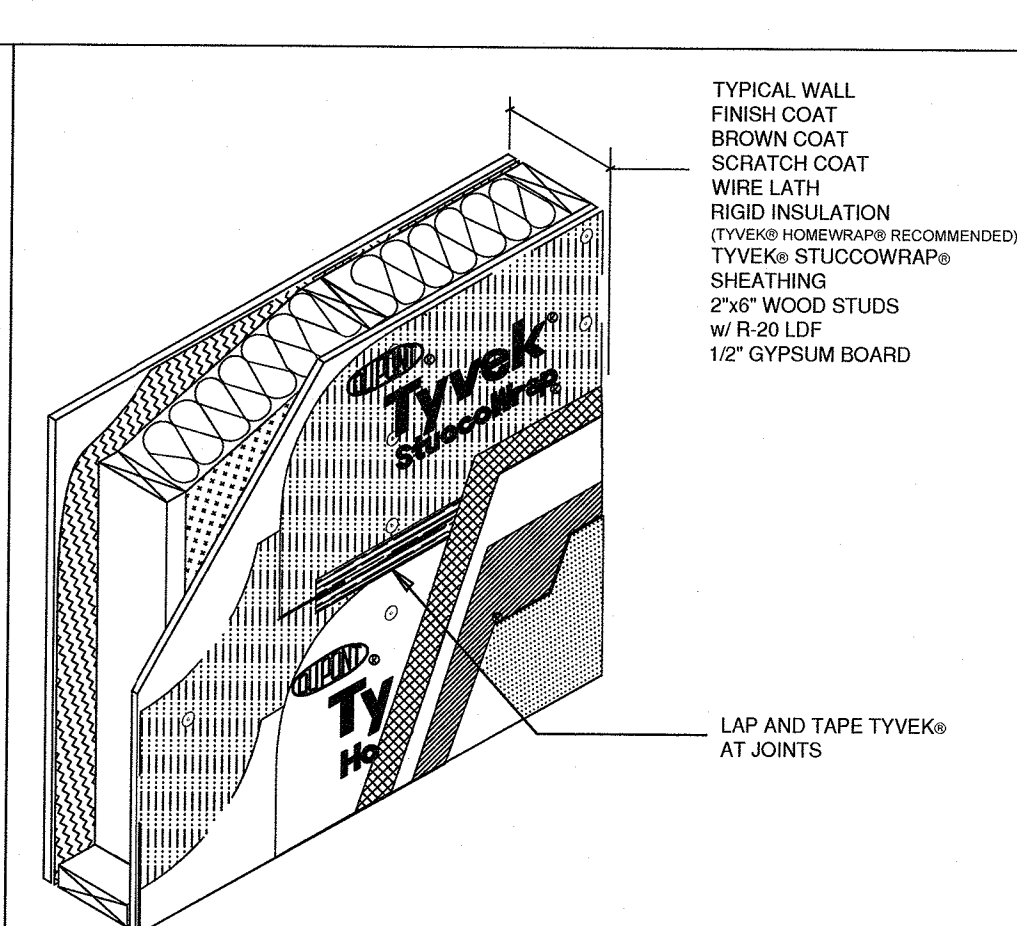


WINDOW SILL DETAIL
 RESIDENTIAL WOOD FRAME STRUCTURE w/ EIFS CLADDING

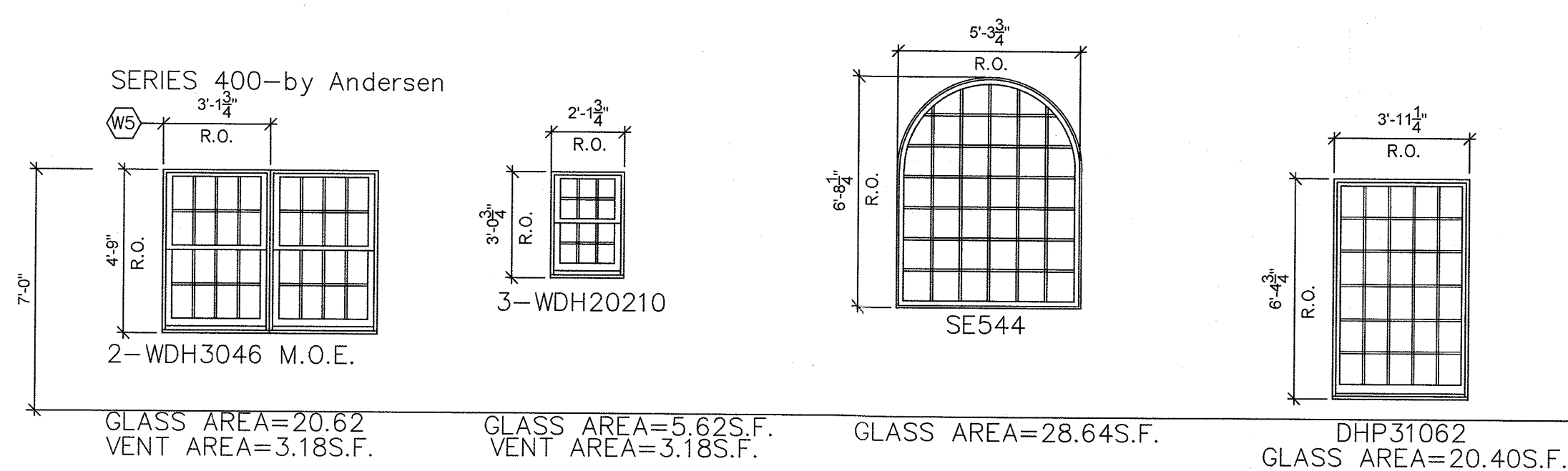
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 *LOCAL LAWS, ZONING, AND BUILDING CODES VARY AND THEREFORE GOVERNS OVER MATERIAL SELECTION AND DETAILING SHOWN BELOW.
 *INSTALL STUCCO ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS



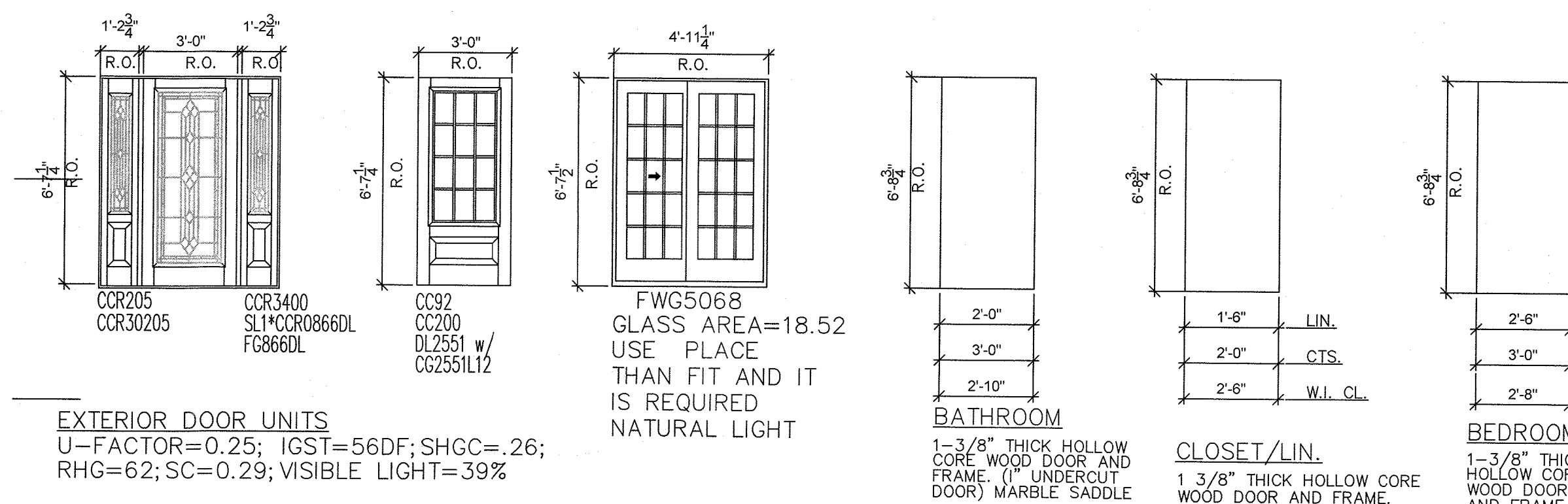
CANTILEVERED FLOOR DETAIL
 RESIDENTIAL WOOD FRAME STRUCTURE w/ STUCCO



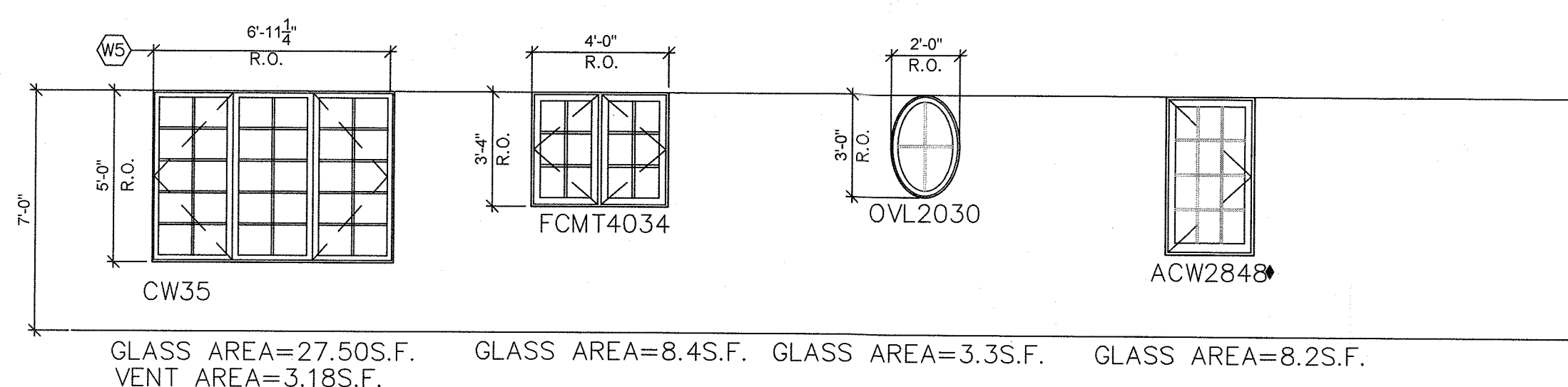
TYPICAL WALL ISOMETRIC
 RESIDENTIAL WOOD FRAME STRUCTURE w/ STUCCO



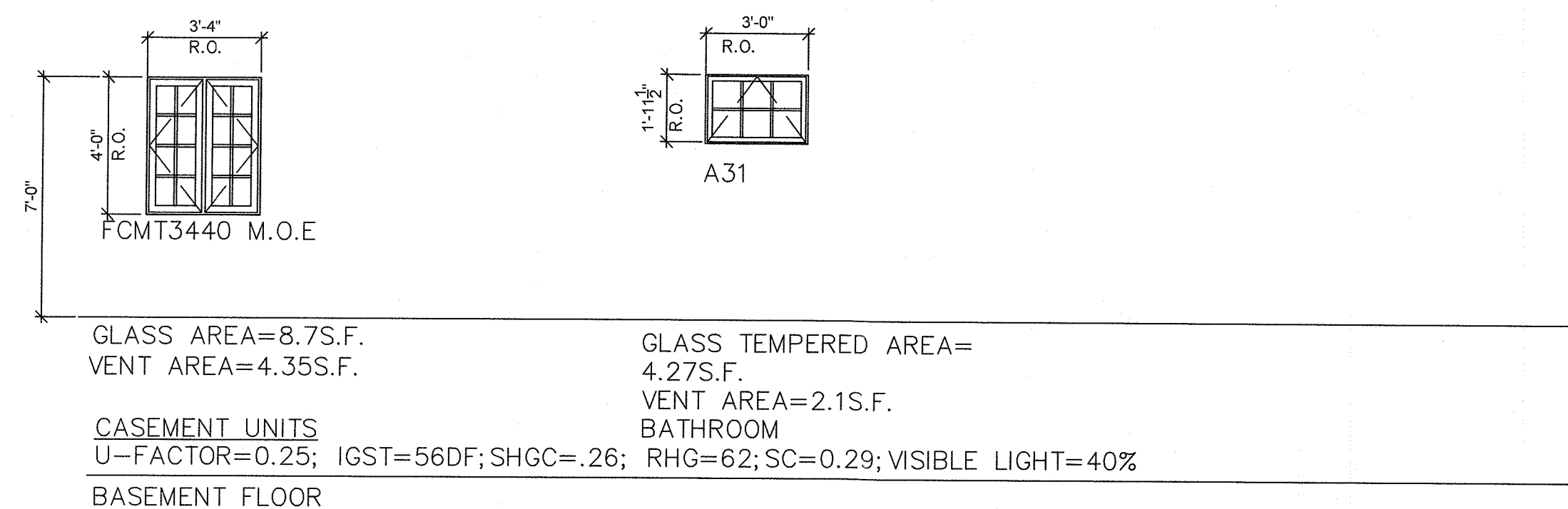
DOUBLE HUNG UNITS
 U-FACTOR=0.25; IGST=56DF; SHGC=.26; RHG=62; SC=0.29; VISIBLE LIGHT=40%



EXTERIOR DOOR UNITS
 U-FACTOR=0.25; IGST=56DF; SHGC=.26;
 RHG=62; SC=0.29; VISIBLE LIGHT=39%



DOUBLE HUNG UNITS
 U-FACTOR=0.25; IGST=56DF; SHGC=.26; RHG=62; SC=0.29; VISIBLE LIGHT=40%



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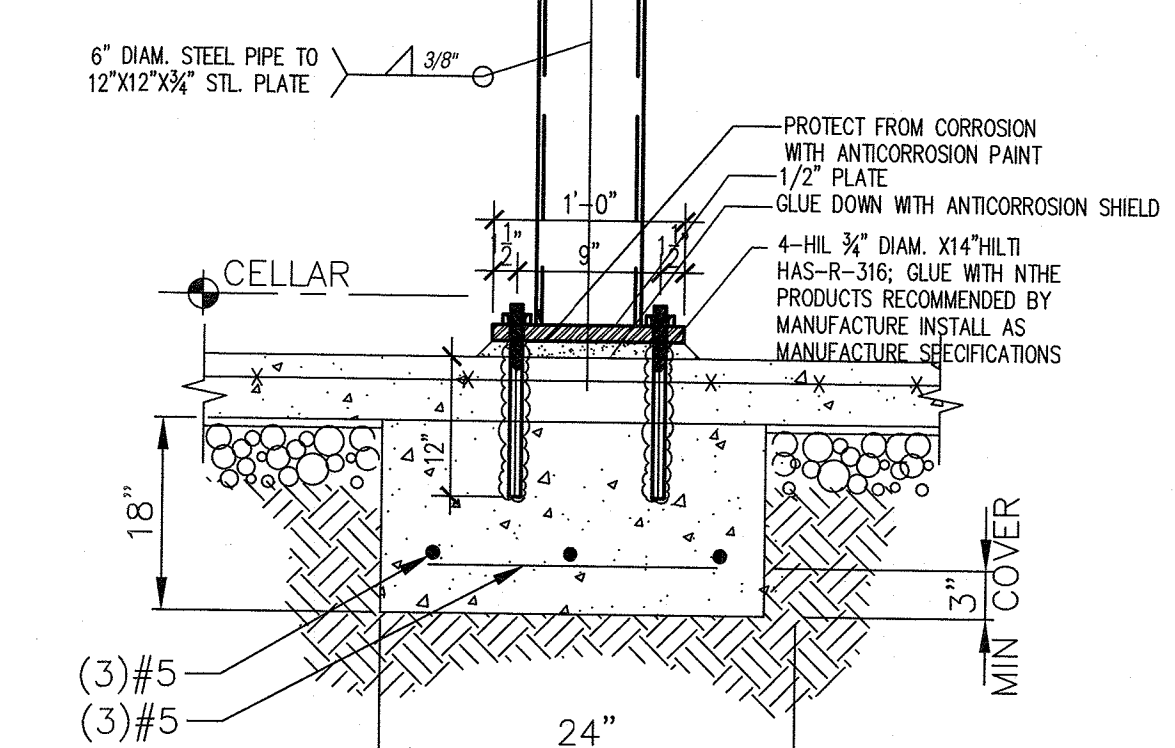
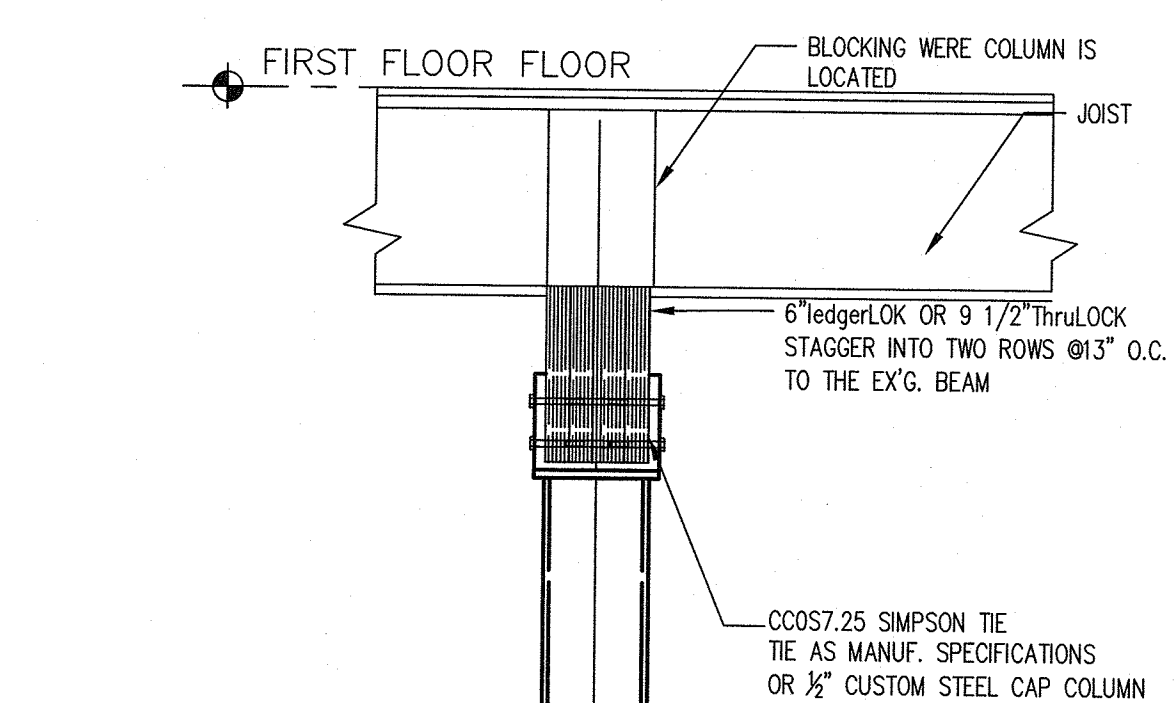
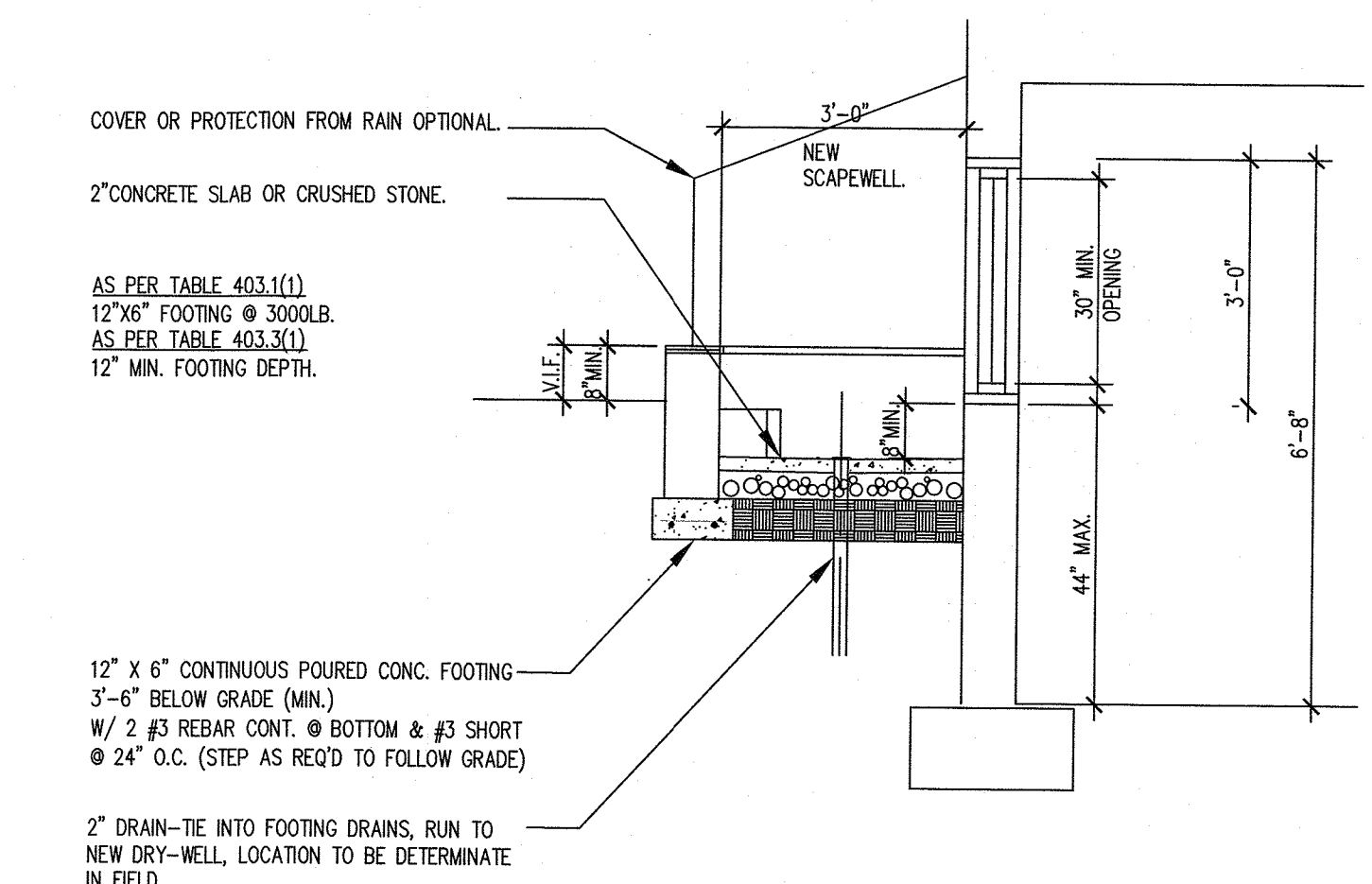
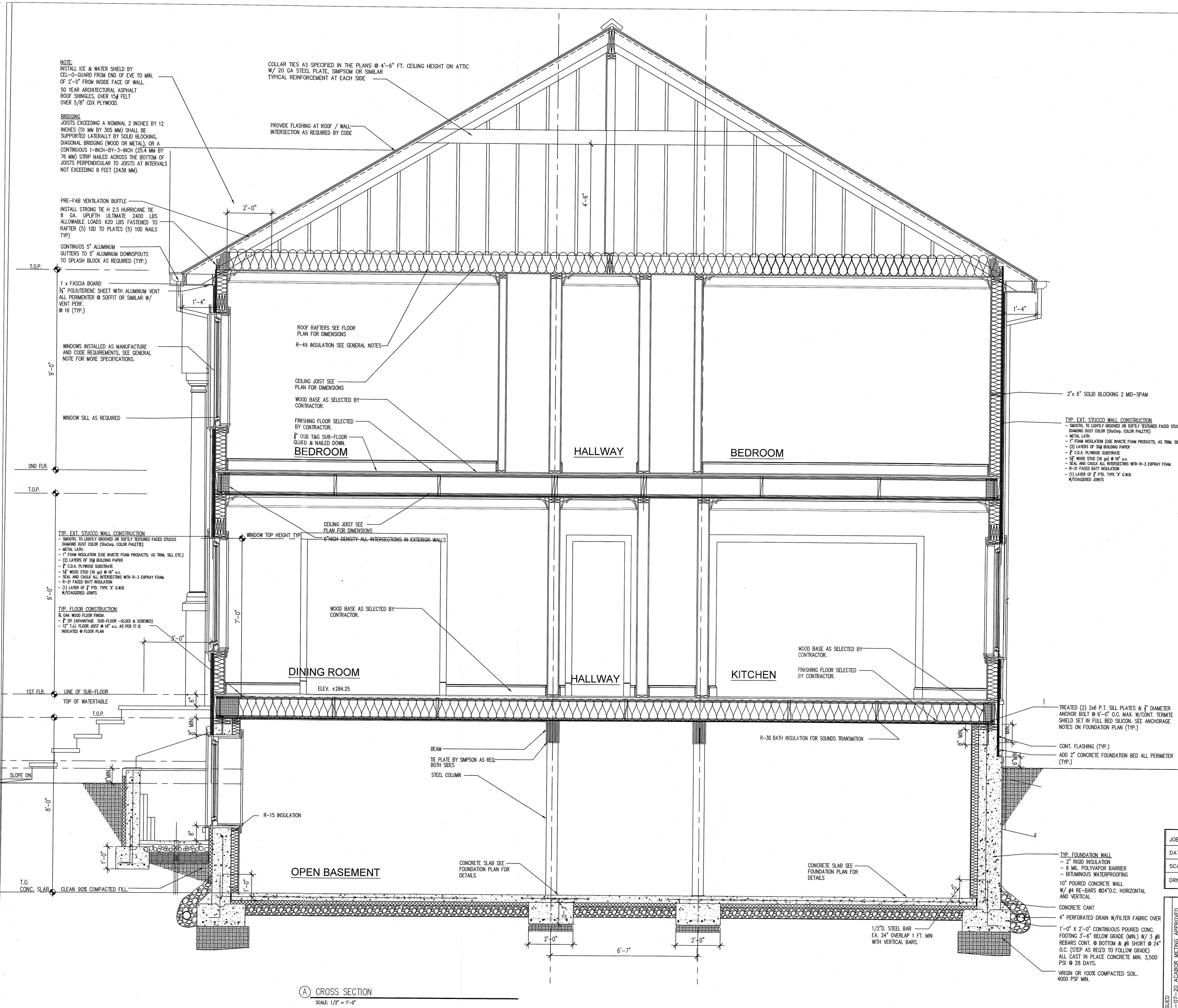
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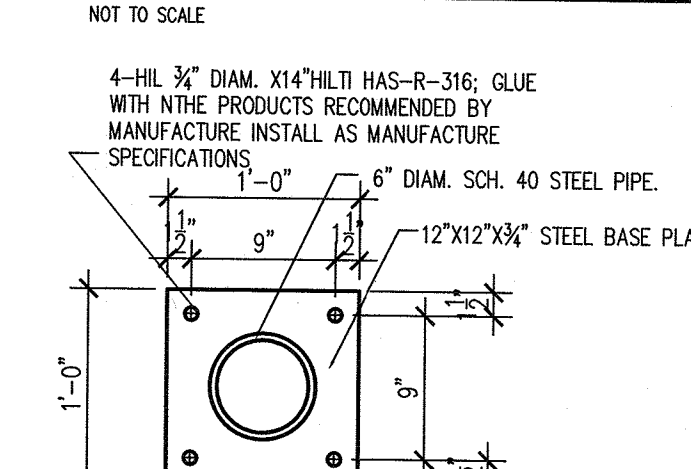
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A-8

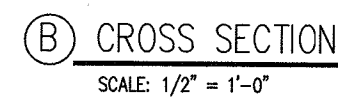


STEEL COLUMN DETAIL
NOT TO SCALE



STEEL COLUMN BASE DETAIL
NOT TO SCALE

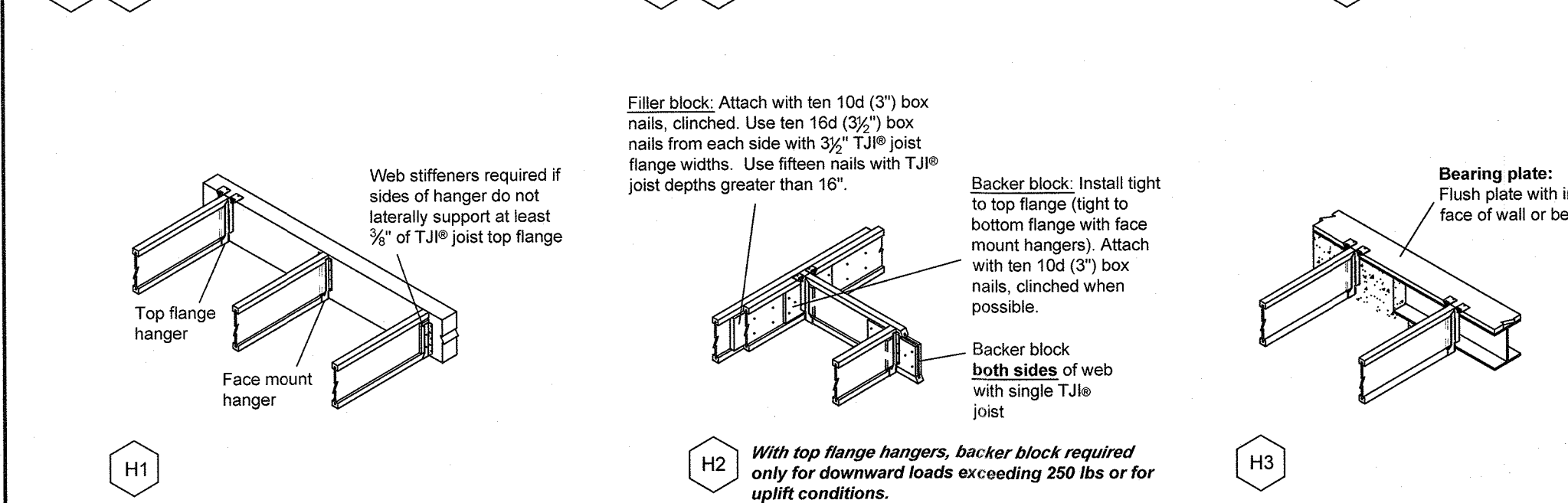
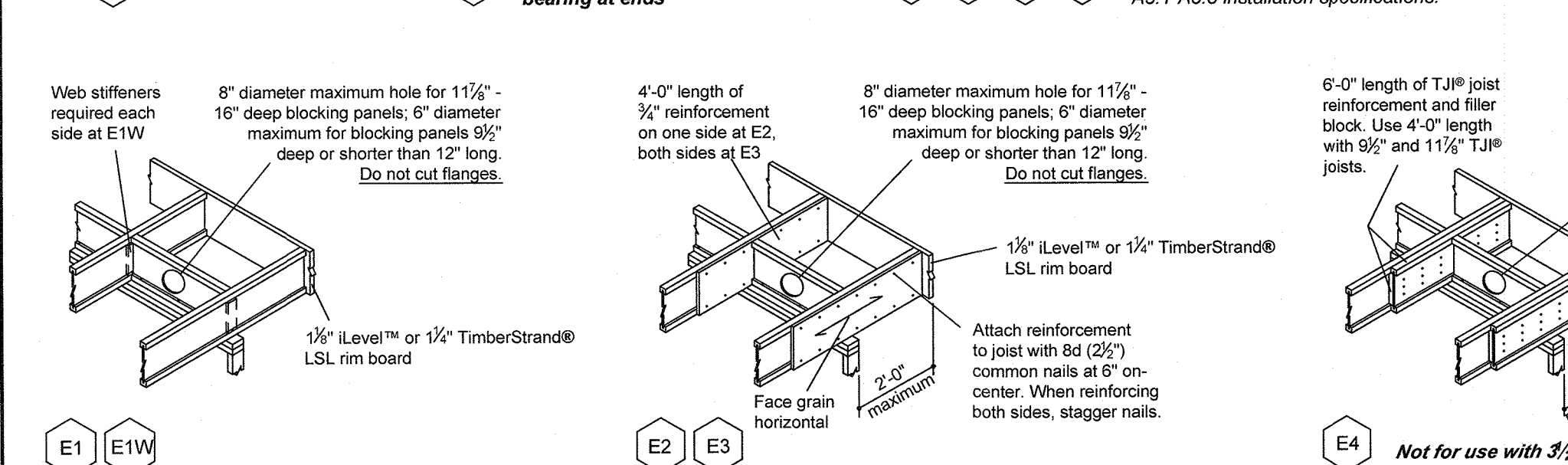
<p>JOB NO: 221-105 DATE 01/01/21 SCALE AS NOTED DRN. BY: EAA</p>		<p>Jenny R. Zuniga-Casal ARCHITECT Jenny R. Zuniga-Casal Architecture LLC 77 Sierra Vista Lane, Valley Cottage, NY, 10989 Tel: 845.598.1613 Fax: 845.512.8290 Email: jzuniga000@msn.com</p>		
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A-10



BEARING AT WALL
 1/4" iLevel™ or 1/4" TimberStrand® LSL rim board or blocking for lateral support

BEARING FOR DOOR OR WINDOW HEADER
 Strap per code if top plate is not continuous over header

BEAM TO BEAM
 Top flange hanger
 Face mount hanger

BEARING AT CONCRETE WALL
 Protect untreated wood from direct contact with concrete

BEARING AT COLUMN
 Verify column capacity and beam bearing length. See current iLevel literature.

CONNECTION OF MULTIPLE PIECES OF TOP-LOADED BEAMS (1)
1 1/2" Width Pieces:
 • Minimum of 3 rows 10d (3" x 0.128") nails at 12" o.c.
 • Minimum of 4 rows 10d (3" x 0.128") nails at 12" o.c. for 14" and deeper beams.
 • If using 12d (3 3/4") or larger nails, the number of nailing rows may be reduced by one.

BEAM ON COLUMN CAP
 3 1/2" Width Pieces:
 • Minimum of 2 rows 1/2" bolts at 24" o.c. staggered

COLUMN BASE
 ELEVATED COLUMN BASE
 Optional non-shrink grout

BEARING AT CONCRETE WALL
 (1) Load must be applied evenly across entire beam width. Otherwise, use connections for side-loaded beams.

BEARING AT COLUMN
 (1) Load must be applied evenly across entire beam width. Otherwise, use connections for side-loaded beams.

TJ® Joist to Bearing Plate

1/4" iLevel™ or 1" TimberStrand® LSL rim board

One 8d (2 1/2") box nail each side. Drive nails at an angle at least 1 1/2" from end.

1 1/2" minimum bearing at end support. 3/4" minimum at intermediate support

Shear transfer: Connections equivalent to floor panel nailing schedule

Squash Blocks to TJ® Joist (Load bearing wall above)

One 10d (3") box nail into each flange

Also see detail B2

Rim to TJ® Joist

1 1/2" iLevel™ or 1" TimberStrand® LSL rim board or 1 1/4" wide TJ® rim joist. One 10d (3") box nail into each flange

2 1/2" wide TJ® rim joist. One 16d (3 1/2") box nail into each flange

1 1/2" minimum bearing

3 1/2" wide TJ® rim joist. Toe nail with 10d (3") box nails, one each side of TJ® floor joist

3 1/4" wide TJ® rim joist

Top View

Locate rim board joint between joists.

BEAM ATTACHMENT at BEARING

One 10d (3") box nail each

1 1/4" iLevel™ or 1" TimberStrand® LSL rim board

Drive nails at an angle to minimize

See framing plan (if applicable) or Level™ Framers' Pocket

INSTALLATION TIPS

- Subfloor adhesive will improve floor performance, but may not be required.
- When joists are doubled at non-load bearing parallel partitions, space joists apart the way the wall for plumbing or HVAC.
- Additional joist at plumbing drop (see detail B1)

Shifted joist

Plumbing drop

Additional joist

- Squash blocks and blocking panels carry stacked vertical loads (details B1 and B2). Packing out the web of a TJ® joist (with web stiffeners) is not a substitute for squash block or blocking panels.

Diagram 1: Joist and Rim Board Connection
 Labels: Plate nail - 10d (3 1/2") box at 12" on-center; Floor panel nail - 8d (2 1/2") common at 6" on-center; 1/2" TimberStrand® LSL rim board; 12" min; Toe nail - 10d (3 1/2") box at 6" on-center; Boundary nailing - 8d (2 1/2") common at 4" on-center; A3.4; *See iLevel Framers' Pocket Guide for additional installation specifications.

Diagram 2: Web Stiffeners and Blocking
 Labels: Blocking panel; 2x4 minimum squash blocks; 3/8"; Web stiffeners required each side at B1W and B2W; B1, B1W, B2, B2W.

Diagram 3: Blocking Panels
 Labels: Web stiffeners required each side at B3W; Blocking panels must have shear walls at (See detail B1); B3, B3W.

Diagram 4: Blocking Panels and Reinforcement
 Labels: 1/6" iLevel™ or 1/4" TimberStrand® LSL rim board; 1/6" iLevel™ or 1/4" TimberStrand® LSL rim board; Attach reinforcement to joist web with 3 rows 10d (3") common nails at 6" on-center, clinched. Use 2 rows with 9/16" and 1 1/8" TJI® joists; 7/8" maximum; 6" diameter maximum hole for 1 1/8" - 16" deep blocking panels; 6" diameter maximum for blocking panels 9/16" deep or shorter than 12" long. Do not cut flanges; Attach reinforcement to joist with one 8d (2 1/2") common nail at each corner; 12" length of 3/4" reinforcement on one side at E5, both sides at E6; Less than 5"; E5, E6.

Diagram 5: Blocking Panels and Reinforcement
 Labels: 1/6" iLevel™ or 1/4" TimberStrand® LSL rim board; Attach reinforcement to joist web with 3 rows 10d (3") common nails at 6" on-center, clinched. Use 2 rows with 9/16" and 1 1/8" TJI® joists; 7/8" maximum; 6" diameter maximum hole for 1 1/8" - 16" deep blocking panels; 6" diameter maximum for blocking panels 9/16" deep or shorter than 12" long. Do not cut flanges; Attach reinforcement to joist with one 8d (2 1/2") common nail at each corner; 12" length of 3/4" reinforcement on one side at E7, both sides at E8; Less than 5"; E7, E8.

Structural exterior sheathing

Apply subfloor adhesive to all contact surfaces

blocks installed at 1/2 joist-span locations using two 8d (2 1/2") box nails or 2 1/2" screws, typical

1/2 joist span
8" max.

Option #2:
2x strapping installed at 1/2 joist-span locations using two 2 1/2" screws per joist, typical

Option #3:
directly applying ceiling

Allowable Load / Factored Resistance (lbs)			
Fastener	1/4" TimberStrand® LSL rim board	1/4" level™ rim board	1/4" level™ rim board
3/8" lag bolt	400 / 630	N/A	N/A
3/8" lag bolt	475 / 750	400 / 575*	

* This factored resistance is with a 3/8" gap between the rim board and deck ledger

1 Allowable load determined in accordance with AC 129

2 Corrosion-resistant fasteners required for wet-service applications.

	Closest On-Center Spacing per Row						
Nail Size	TJ® 110 & 210	230, 360, 560	Rim Board 1½"	1½"	TimberStrand® LSL 1½" or wider	Microalams LVL	Paralams PSL
8d (2½") box	2½"	2"	6"	4"			
8d (2½") common	3½"	2"	6"	4"	3"	3"	3"
10d (3"), 12d (3¾") box	3"	2"	6"	4"			
10d (3"), 12d (3¾") common	4"	3"	6"	4"		4"	4"
16d (3¾") common	N.A.	4"	16"	16" (3¼")	6" (1½")	8"	8"

(1) Can be reduced to 4" on-center with maximum nail penetration of 70% into the narrow edge.

* Recommended nailing is 12" on center in field and 6" on center along panel edge. Nailing requirements on engineering drawings supersede recommendations listed above.

† Nailing rows must be offset at least one row.

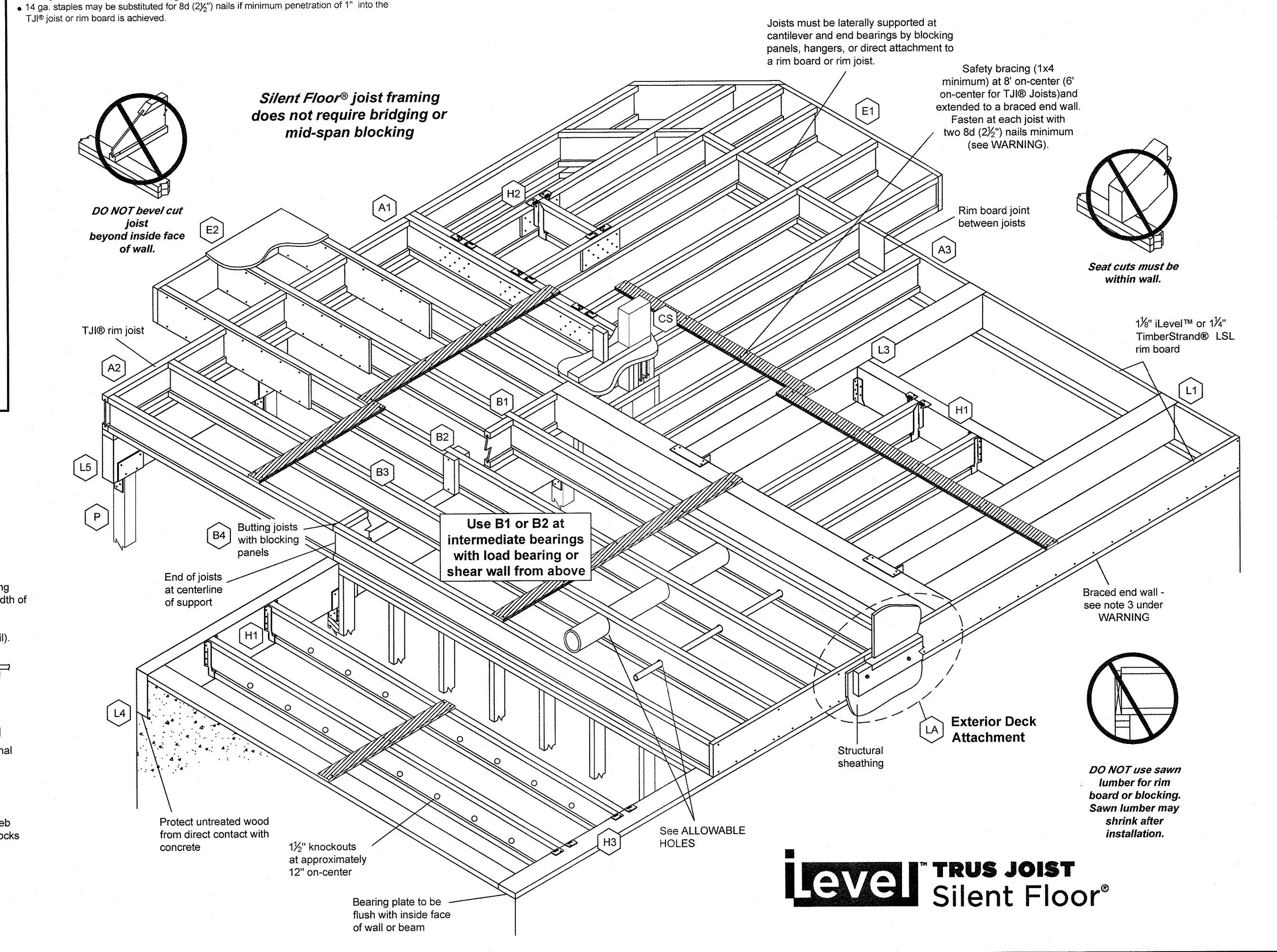
Farthest On-Center Spacing per Row

Maximum spacing of nails is:

- For post widths 12" or less: 18" on-center
- For post widths greater than 12": 24" on-center
- For post widths greater than 12": 24" on-center

Tie/Joint	110		210		238 or 360		550		650 or 300		950 or 14"	
Depth	9½" or 11½"	14"	9½" or 11½"	16"	9½" or 11½"	16"	18" or 20"	11½"	18" or 20"	24"	9½" or 11½"	14" or 16"
Filler Block* (Detail H2)	2x8	2x8	2x8	2x8	2x8	2x8	2x12 ½ sheathing	Two 2x8	Two 2x8 2x12	2x8 ½	2x8	(2)2x6 (2) 2x8
Canvasser	2x8	2x10	2x8	2x10	2x8	2x10	2x12 ½ sheathing	Two 2x8	Two 2x8 2x12	2x8 ½	2x8	2x8
Filler (Detail E4)	4'-0" 6'-0"	6'-0" 6'-0"	4'-0" 6'-0"	6'-0" 6'-0"	4'-0" 6'-0"	6'-0" 6'-0"	Not applicable	Not applicable	2x8 ½ sheathing 4'-0" long	2x10 ½ sheathing 4'-0" long	N.A.	N.A.
Backer Block* (Detail F1)	¾" or ¾"	¾" or ¾"	¾" or ¾"	¾"	1" Net	1" Net	2x8	2x8	2x12	1" Net	2x8	2x8

* ¾" minimum thickness filler and backer block height for face mount hangers. Minimum ½" gap at top of joint. See detail H4. Filler and backer block lengths should approximate required nailing without splitting (12" minimum for backer blocks and 24" minimum for filler blocks).



Min. distance from Table A

Do not cut holes larger than $\frac{1}{2}$ " in cantilever

Min. distance from Table B

$\frac{1}{2}$ " hole may be cut anywhere in web outside of hatched zone

DO NOT cut or notch flange

Labels in diagram: L_1 , L_2 , D_1 , D_2 , $2 \times D_1$, $2 \times D_2$, ϕ , $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{8}$, $\frac{1}{16}$, $\frac{1}{32}$, $\frac{1}{64}$, $\frac{1}{128}$, $\frac{1}{256}$, $\frac{1}{512}$, $\frac{1}{1024}$, $\frac{1}{2048}$, $\frac{1}{4096}$, $\frac{1}{8192}$, $\frac{1}{16384}$, $\frac{1}{32768}$, $\frac{1}{65536}$, $\frac{1}{131072}$, $\frac{1}{262144}$, $\frac{1}{524288}$, $\frac{1}{1048576}$, $\frac{1}{2097152}$, $\frac{1}{4194304}$, $\frac{1}{8388608}$, $\frac{1}{16777216}$, $\frac{1}{33554432}$, $\frac{1}{67108864}$, $\frac{1}{134217728}$, $\frac{1}{268435456}$, $\frac{1}{536870912}$, $\frac{1}{1073741824}$, $\frac{1}{2147483648}$, $\frac{1}{4294967296}$, $\frac{1}{8589934592}$, $\frac{1}{17179869184}$, $\frac{1}{34359738368}$, $\frac{1}{68719476736}$, $\frac{1}{137438953472}$, $\frac{1}{274877906944}$, $\frac{1}{549755813888}$, $\frac{1}{1099511627776}$, $\frac{1}{2199023255552}$, $\frac{1}{4398046511104}$, $\frac{1}{8796093022208}$, $\frac{1}{17592186044416}$, $\frac{1}{35184372088832}$, $\frac{1}{70368744177664}$, $\frac{1}{140737488355328}$, $\frac{1}{281474976710656}$, $\frac{1}{562949953421312}$, $\frac{1}{1125899906842624}$, $\frac{1}{2251799813685248}$, $\frac{1}{4503599627370496}$, $\frac{1}{9007199254740992}$, $\frac{1}{18014398509481984}$, $\frac{1}{36028797018963968}$, $\frac{1}{72057594037927936}$, $\frac{1}{144115188075855872}$, $\frac{1}{288230376151711744}$, $\frac{1}{576460752303423488}$, $\frac{1}{1152921504606846976}$, $\frac{1}{2305843009213693952}$, $\frac{1}{4611686018427387904}$, $\frac{1}{9223372036854775808}$, $\frac{1}{18446744073709551616}$, $\frac{1}{36893488147419103232}$, $\frac{1}{73786976294838206464}$, $\frac{1}{147573952589676412928}$, $\frac{1}{295147905179352825856}$, $\frac{1}{590295810358705651712}$, $\frac{1}{1180591620717411303424}$, $\frac{1}{2361183241434822606848}$, $\frac{1}{4722366482869645213696}$, $\frac{1}{9444732965739290427392}$, $\frac{1}{18889465931478580854784}$, $\frac{1}{37778931862957161709568}$, $\frac{1}{75557863725914323419136}$, $\frac{1}{151115727451828646838272}$, $\frac{1}{302231454903657293676544}$, $\frac{1}{604462909807314587353088}$, $\frac{1}{1208925819614629174706176}$, $\frac{1}{2417851639229258349412352}$, $\frac{1}{4835703278458516698824704}$, $\frac{1}{9671406556917033397649408}$, $\frac{1}{19342813113834066795298816}$, $\frac{1}{38685626227668133590597632}$, $\frac{1}{77371252455336267181195264}$, $\frac{1}{154742504910672534362390528}$, $\frac{1}{309485009821345068724781056}$, $\frac{1}{618970019642690137449562112}$, $\frac{1}{1237940039285380274899124224}$, $\frac{1}{2475880078570760549798248448}$, $\frac{1}{4951760157141521099596496896}$, $\frac{1}{9903520314283042199192993792}$, $\frac{1}{19807040628566084398385987584}$, $\frac{1}{39614081257132168796771975168}$, $\frac{1}{79228162514264337593543950336}$, $\frac{1}{158456325028528675187087900672}$, $\frac{1}{316912650057057350374175801344}$, $\frac{1}{633825300114114700748351602688}$, $\frac{1}{1267650600228229401496703205376}$, $\frac{1}{2535301200456458802993406410752}$, $\frac{1}{5070602400912917605986812821504}$, $\frac{1}{10141204801825835211973625643008}$, $\frac{1}{20282409603651670423947251286016}$, $\frac{1}{40564819207303340847894502572032}$, $\frac{1}{81129638414606681695789005144064}$, $\frac{1}{162259276829213363391578010288128}$, $\frac{1}{324518553658426726783156020576256}$, $\frac{1}{649037107316853453566312041152512}$, $\frac{1}{1298074214633706907132624082305024}$, $\frac{1}{2596148429267413814265248164610048}$, $\frac{1}{5192296858534827628530496329220096}$, $\frac{1}{10384593717069655257060992658440192}$, $\frac{1}{20769187434139310514121985316880384}$, $\frac{1}{41538374868278621028243970633760768}$, $\frac{1}{83076749736557242056487941267521536}$, $\frac{1}{166153499473114484112975882535043072}$, $\frac{1}{332306998946228968225951765070086144}$, $\frac{1}{664613997892457936451903530140172288}$, $\frac{1}{1329227995784915872903807060280344576}$, $\frac{1}{2658455991569831745807614120560689152}$, $\frac{1}{5316911983139663491615228241121378304}$, $\frac{1}{10633823966279326983230456482242756608}$, $\frac{1}{21267647932558653966460912964485513216}$, $\frac{1}{42535295865117307932921825928971026432}$, $\frac{1}{85070591730234615865843651857942052864}$, $\frac{1}{170141183460469231731687303715884105728}$, $\frac{1}{340282366920938463463374607431768211456$

DEPTH	T ₃₀	ROUND HOLE SIZE							SQUARE OR RECTANGULAR HOLE SIZE						
		2"	3"	4"	6"	8"	10"	12"	2"	3"	4"	6"	8"	10"	12"
0 1/2"	110	1.00	1.48	2.00	2.85	3.60	4.40	5.20	1.00	1.48	2.00	2.85	3.60	4.40	5.20
	210	1.40	1.90	2.40	3.40	4.30	5.20	6.10	1.50	2.00	2.60	4.00	5.00	6.00	7.00
	310	1.80	2.40	3.00	4.30	5.40	6.40	7.40	2.00	2.60	3.40	4.60	5.60	6.60	7.60
	360	1.80	2.40	3.00	4.00	5.00	6.00	7.00	1.80	2.40	3.00	4.00	5.00	6.00	7.00
	110	1.00	1.40	1.80	2.60	3.40	4.20	5.00	1.00	1.40	1.80	2.60	3.40	4.20	5.00
1 1/2"	110	1.00	1.40	1.80	2.60	3.40	4.20	5.00	1.00	1.40	1.80	2.60	3.40	4.20	5.00
	210	1.40	1.80	2.20	3.20	4.00	4.80	5.60	1.50	1.90	2.30	3.30	4.10	4.90	5.70
	310	1.80	2.20	2.60	3.60	4.40	5.20	6.00	2.00	2.40	2.80	3.80	4.60	5.40	6.20
	360	1.80	2.20	2.60	3.60	4.40	5.20	6.00	1.80	2.20	2.60	3.60	4.40	5.20	6.00
	110	1.00	1.40	1.80	2.60	3.40	4.20	5.00	1.00	1.40	1.80	2.60	3.40	4.20	5.00
1 3/4"	110	1.00	1.40	1.80	2.60	3.40	4.20	5.00	1.00	1.40	1.80	2.60	3.40	4.20	5.00
	210	1.40	1.80	2.20	3.20	4.00	4.80	5.60	1.50	1.90	2.30	3.30	4.10	4.90	5.70
	310	1.80	2.20	2.60	3.60	4.40	5.20	6.00	2.00	2.40	2.80	3.80	4.60	5.40	6.20
	360	1.80	2.20	2.60	3.60	4.40	5.20	6.00	1.80	2.20	2.60	3.60	4.40	5.20	6.00
	110	1.00	1.40	1.80	2.60	3.40	4.20	5.00	1.00	1.40	1.80	2.60	3.40	4.20	5.00
2"	110	1.00	1.40	1.80	2.60	3.40	4.20	5.00	1.00	1.40	1.80	2.60	3.40	4.20	5.00
	210	1.40	1.80	2.20	3.20	4.00	4.80	5.60	1.50	1.90	2.30	3.30	4.10	4.90	5.70
	310	1.80	2.20	2.60	3.60	4.40	5.20	6.00	2.00	2.40	2.80	3.80	4.60	5.40	6.20
	360	1.80	2.20	2.60	3.60	4.40	5.20	6.00	1.80	2.20	2.60	3.60	4.40	5.20	6.00
	110	1.00	1.40	1.80	2.60	3.40	4.20	5.00	1.00	1.40	1.80	2.60	3.40	4.20	5.00
2 1/2"	110	1.00	1.40	1.80	2.60	3.40	4.20	5.00	1.00	1.40	1.80	2.60	3.40	4.20	5.00
	210	1.40	1.80	2.20	3.20	4.00	4.80	5.60	1.50	1.90	2.30	3.30	4.10	4.90	5.70
	310	1.80	2.20	2.60	3.60	4.40	5.20	6.00	2.00	2.40	2.80	3.80	4.60	5.40	6.20
	360	1.80	2.20	2.60	3.60	4.40	5.20	6.00	1.80	2.20	2.60	3.60	4.40	5.20	6.00
	110	1.00	1.40	1.80	2.60	3.40	4.20	5.00	1.00	1.40	1.80	2.60	3.40	4.20	5.00
3"	110	1.00	1.40	1.80	2.60	3.40	4.20	5.00	1.00	1.40	1.80	2.60	3.40	4.20	5.00
	210	1.40	1.80	2.20	3.20	4.00	4.80	5.60	1.50	1.90	2.30	3.30	4.10	4.90	5.70
	310	1.80	2.20	2.60	3.60	4.40	5.20	6.00							

DEPTH	T _{UP}	ROUND HOLE SIZE										SQUARE OR RECTANGULAR HOLE SIZE									
		2"	3"	4"	6 $\frac{1}{2}$ "	7"	8 $\frac{1}{2}$ "	11"	13"	2"	3"	4"	6 $\frac{1}{2}$ "	7"	8 $\frac{1}{2}$ "	11"	13"				
9 $\frac{1}{2}$ "	210	1.6"	2.6"	3.6"	4.6"	7.5"				1.6"	2.6"	3.6"	5.6"	6.6"							
	210	2.6"	3.6"	5.6"	6.6"	7.5"				2.6"	3.6"	4.6"	6.6"	7.5"							
	230	2.6"	4.6"	5.6"	6.6"	7.5"				2.6"	3.6"	4.6"	6.6"	7.5"							
	360	3.6"	4.6"	5.6"	6.6"	7.5"				3.6"	4.6"	5.6"	7.5"	8.5"							
	110	1.5"	1.5"	1.5"	2.6"	4.6"	5.6"			1.5"	1.5"	2.6"	4.6"	5.6"	7.5"	8.5"					
11 $\frac{1}{2}$ "	110	1.5"	1.5"	1.5"	2.6"	4.6"	5.6"			1.5"	1.5"	2.6"	4.6"	5.6"	7.5"	8.5"					
	230	1.5"	2.6"	2.6"	4.6"	5.6"	5.6"			1.5"	2.6"	3.6"	5.6"	6.6"	8.5"	10.5"					
	360	2.6"	3.6"	4.6"	5.6"	7.5"	7.5"			2.6"	3.6"	5.6"	7.5"	8.5"	10.5"	12.5"					
	110	1.5"	1.5"	1.5"	2.6"	4.6"	5.6"			1.5"	1.5"	2.6"	4.6"	5.6"	7.5"	8.5"	10.5"				
	210	1.5"	1.5"	1.5"	2.6"	4.6"	5.6"			1.5"	1.5"	1.5"	2.6"	4.6"	5.6"	7.5"	8.5"				
14"	110	1.5"	1.5"	1.5"	2.6"	4.6"	5.6"			1.5"	1.5"	1.5"	2.6"	4.6"	5.6"	7.5"	8.5"				
	230	1.5"	2.6"	2.6"	4.6"	5.6"	5.6"			1.5"	2.6"	3.6"	5.6"	6.6"	8.5"	10.5"	12.5"				
	360	2.6"	3.6"	4.6"	5.6"	7.5"	7.5"			2.6"	3.6"	5.6"	7.5"	8.5"	10.5"	12.5"	14.5"				
	110	1.5"	1.5"	1.5"	2.6"	4.6"	5.6"			1.5"	1.5"	1.5"	2.6"	4.6"	5.6"	7.5"	8.5"				
	210	1.5"	1.5"	1.5"	2.6"	4.6"	5.6"			1.5"	1.5"	1.5"	2.6"	4.6"	5.6"	7.5"	8.5"				
16"	110	1.5"	1.5"	1.5"	2.6"	4.6"	5.6"			1.5"	1.5"	1.5"	2.6"	4.6"	5.6"	7.5"	8.5"				
	230	1.5"	2.6"	2.6"	4.6"	5.6"	5.6"			1.5"	2.6"	3.6"	5.6"	6.6"	8.5"	10.5"	12.5"				
	360	2.6"	3.6"	4.6"	5.6"	7.5"	7.5"			2.6"	3.6"	5.6"	7.5"	8.5"	10.5"	12.5"	14.5"				
	110	1.5"	1.5"	1.5"	2.6"	4.6"	5.6"			1.5"	1.5"	1.5"	2.6"	4.6"	5.6"	7.5"	8.5"				
	210	1.5"	1.5"	1.5"	2.6"	4.6"	5.6"			1.5"	1.5"	1.5"	2.6"	4.6"	5.6"	7.5"	8.5"				
18"	110	1.5"	1.5"	1.5"	2.6"	4.6"	5.6"			1.5"	1.5"	1.5"	2.6"	4.6"	5.6"	7.5"	8.5"				
	230	1.5"	2.6"	2.6"	4.6"	5.6"	5.6"			1.5"	2.6"	3.6"	5.6"	6.6"	8.5"	10.5"	12.5"				
	360	2.6"	3.6"	4.6"	5.6"	7.5"	7.5"			2.6"	3.6"	5.6"	7.5"	8.5"	10.5"	12.5"	14.5"				
	110	1.5"	1.5"	1.5"	2.6"	4.6"	5.6"			1.5"	1.5"	1.5"	2.6"	4.6"	5.6"	7.5"	8.5"				
	210	1.5"	1.5"	1.5"	2.6"	4.6"	5.6"			1.5"	1.5"	1.5"	2.6"	4.6"	5.6"	7.5"	8.5"				
20"	110	1.5"	1.5"	1.5"	2.6"	4.6"	5.6"			1.5"	1.5"	1.5"	2.6"	4.6"	5.6"	7.5"	8.5"				
	230	1.5"	2.6"	2.6"	4.6"	5.6"	5.6"			1.5"	2.6"	3.6"	5.6"	6.6"	8.5"	10.5"	12.5"				
	360	2.6"	3.6"	4.6"	5.6"	7.5"	7.5"			2.6"	3.6"	5.6"	7.5"	8.5"	10.5"	12.5"	14.5"				
	110	1.5"	1.5"	1.5"	2.6"	4.6"	5.6"			1.5"	1.5"	1.5"									

Diagram illustrating the dimensions for a header with three holes. The header has a total length of 8". The distance between the centers of the holes is 2 x diameter of the largest hole (minimum). The depth of the header is 1/2" depth. The distance from the end of the header to the center of the first hole is 8". The distance from the center of the last hole to the end of the header is 8". The distance from the center of the last hole to the end of the header is 8". The distance from the center of the last hole to the end of the header is 8".

HEADER DEPTH	HOLE SIZE	MAXIMUM ROUND
3/4" - 5/8"	3"	

1.3E TimberStrande LSL hole zone

Microlam LVL and Parallam PSL hole zone

2 x diameter of the largest hole (minimum)

$\frac{1}{2}$ depth

d

Microlam LVL and Parallam PSL allowed hole zone middle $\frac{1}{2}$ span

1.3E TimberStrande LSL allowed hole zone

d

DO NOT cut, notch or drill holes in headers except as indicated in illustrations and tables.

HEADER DEPTH	MAXIMUM ROUND HOLE SIZE
$4\frac{1}{2}"$	1"
$5\frac{1}{2}"$	$1\frac{1}{2}"$
$7\frac{1}{2}"$ to $20"$	2"

7/8" max. penetration for Allowed Hole Zone

- Allowed hole zone suitable for **uniformly loaded headers and beams only**.
- Round holes only
- No holes in cantilevers.
- No holes in headers or beams in plank orientation.

ISSUED
04-07-20 ACABOR METING APPROVED
02-16-21 AMEDMENT @ ARCH. LAY-OUT
05-16-21 AMEDMENTS AS PER OWNER.
02-27-23 FOR BUILDING PERMIT.
04-06-23 FOR RBA.

NEWCONSTRUCTION
Cornielli Real State Enterprises
1050 Route 9W
Nyack, N.Y. 10960

DRAWING NO.:
A-11