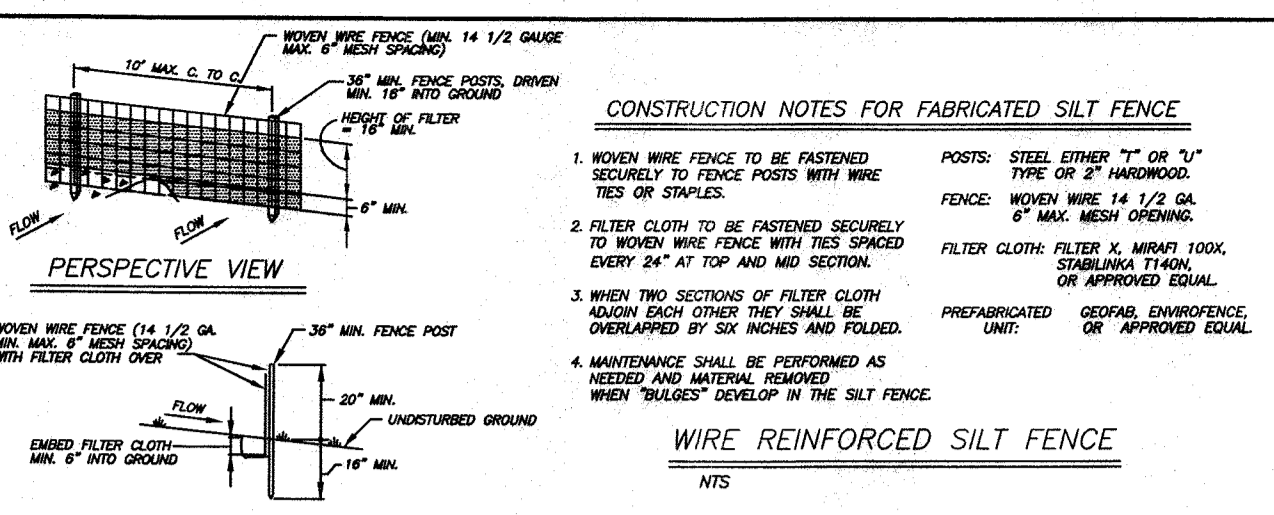
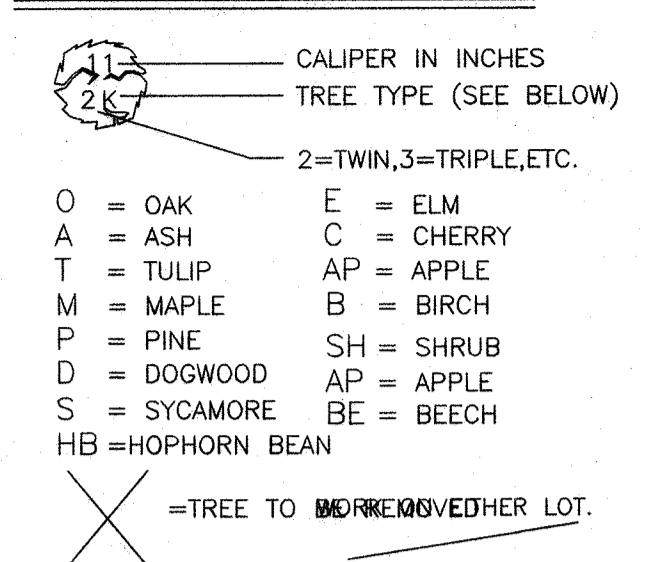


REFERENCES:

ALL BOUNDARY INFORMATION IS REFERENCED FROM A SURVEY PREPARED BY JAY A. GREENWELL PLS DATED MARCH 2, 2005, PROVIDED BY THE HOMEOWNER.



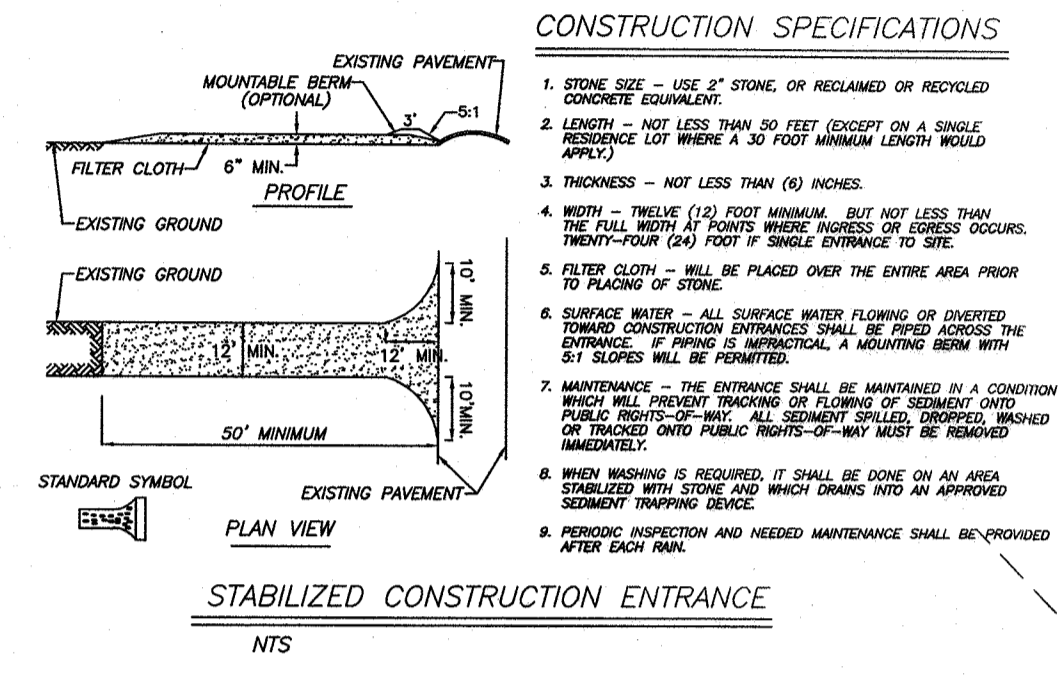
TREE LEGEND



NOTES:

- RECORD OWNERS: JUNIOR CASTRO
153 SAMSONDALE PLAZA
HAVERSTRAW, NY 10927
- THIS PLAN IS SUBJECT TO DETAILS OF GRADING, ROADS AND UTILITIES AS SHOWN ON CONSTRUCTION PLANS APPROVED BY THE PLANNING BOARD AND FILED WITH THE TOWN CLERK. LOT DRAINAGE SHOWN ON SUCH PLANS SHALL CONSTITUTE EASEMENTS RUNNING WITH THE LAND AND SHALL NOT BE DISTURBED.
- THE CONTRACTOR'S TRAILER, IF ANY IS PROPOSED, SHALL BE LOCATED AS APPROVED BY THE PLANNING BOARD.
- IF THE APPLICANT, DURING THE COURSE OF CONSTRUCTION, ENCOUNTERS SUCH CONDITIONS AS FLOOD AREAS, UNDERGROUND WATER, SOFT OR SILTY AREAS, IMPROPER DRAINAGE OR ANY OTHER UNUSUAL CIRCUMSTANCES OR CONDITIONS THAT WERE NOT FORESEEN IN THE ORIGINAL PLANNING, SUCH CONDITIONS SHALL BE REPORTED IMMEDIATELY TO DEME. THE APPLICANT SHALL SUBMIT THEIR RECOMMENDATIONS AS TO THE SPECIAL TREATMENT TO BE GIVEN SUCH AREAS TO SECURE ADEQUATE, PERMANENT AND SATISFACTORY CONSTRUCTION. DEME SHALL INVESTIGATE THE CONDITION(S), AND SHALL EITHER APPROVE THE APPLICANT'S RECOMMENDATIONS TO CORRECT THE CONDITION(S), OR ORDER A MODIFICATION THEREOF. IN THE EVENT OF A SIGNIFICANT CHANGE RESULTING TO THE SUBDIVISION PLAN OR SITE PLAN OR ANY CHANGE THAT INVOLVES A WETLAND REGULATED AREA, THE MATTER SHALL BE DECIDED BY THE AGENCY WITH JURISDICTION IN THAT AREA (I.E. WETLANDS-US ARMY CORPS OF ENGINEERS).
- PERMANENT VEGETATION COVER OF DISTURBED AREAS SHALL BE ESTABLISHED ON THE SITE WITHIN THIRTY (30) DAYS OF THE COMPLETION OF CONSTRUCTION.
- PRIOR (AT LEAST 14 DAYS) TO THE PLACING OF ANY ROAD SUB-BASE, THE APPLICANT SHALL PROVIDE THE TOWN OF ORANGETOWN SUPT. OF HIGHWAYS & DEME WITH A PLAN & PROFILE OF THE GRADED ROAD TO BE PAVED IN ORDER THAT THESE DEPARTMENTS MAY REVIEW THE DRAWINGS CONFORMANCE TO APPROVED CONSTRUCTION PLANS & TOWN STREET SPECIFICATIONS.
- THE PLANNING BOARD SHALL RETAIN JURISDICTION OVER LIGHTING, LANDSCAPING, SIGNS AND REFUSE CONTROL.
- NO BUILDING PERMIT WILL BE ISSUED UNTIL SEWAGE DISPOSAL ARRANGEMENTS HAVE BEEN APPROVED BY THE ROCKLAND COUNTY DEPT. OF HEALTH, AND/OR THE TOWN OF ORANGETOWN.
- CERTIFICATE OF OCCUPANCY SHALL NOT BE REQUESTED FROM THE TOWN OF ORANGETOWN BUILDING DEPARTMENT UNTIL RESULTS OF INFILTRATION AND INFILTRATION TESTS FOR SANITARY SEWERS ARE CERTIFIED BY A NY STATE LICENSED PROF. ENGINEER & APPROVED BY THE DIRECTOR, DIVISION OF SEWERS.
- RC HEALTH DEPT. APPROVAL REQUIRED FOR SEPTIC WELL.
- EXISTING DRIVEWAY FOR LOT #1 SHALL BE PAVED.
- A TREE PROTECTION PROGRAM WILL BE IMPLEMENTED IN ORDER TO PROTECT AND PRESERVE BOTH INDIVIDUAL SPECIMEN TREES AND BUFFER AREAS WITH MANY TREES. STEPS THAT WILL BE TAKEN TO PRESERVE AND PROTECT EXISTING TREES TO REMAIN ARE AS FOLLOWS:
 - NO CONSTRUCTION EQUIPMENT SHALL BE PARKED UNDER THE TREE CANOPY.
 - THERE WILL BE NO EXCAVATION OR STOCKPILING OF EARTH UNDERNEATH TREES.
 - TREES DESIGNATED TO BE PRESERVED SHALL BE MARKED CONSPICUOUSLY ON ALL SIDES AT A 5 TO 10 FOOT HEIGHT.
 - THE TREE PROTECTION ZONE FOR TREES DESIGNATED TO BE PRESERVED WILL BE ESTABLISHED BY ONE OF THE FOLLOWING METHODS:
 - ONE (1) FOOT RADIUS FROM TRUNK PER INCH DBH
 - DRIP LINE OF THE TREE CANOPY
 THE METHOD CHOSEN SHOULD BE BASED ON PROVIDING THE MAXIMUM PROTECTION ZONE POSSIBLE. A BARRIER OF SNOW FENCE OR EQUAL IS TO BE PLACED AND MAINTAINED ONE YARD BEYOND THE ESTABLISHED TREE PROTECTION ZONE. IF IT IS AGREED THAT THE TREE PROTECTION ZONE OF A SELECTED TREE MUST BE VIOLATED, ONE OF THE FOLLOWING METHODS MUST BE EMPLOYED TO MITIGATE THE IMPACT:
 - LIGHT TO HEAVY IMPACTS—MINIMUM OF EIGHT INCHES OF WOOD CHIPS INSTALLED IN THE AREA TO BE PROTECTED. CHIPS SHALL BE REMOVED UPON COMPLETION OF WORK.
 - LIGHT IMPACTS ONLY—INSTALLATION OF 3/4" INCH OF PLYWOOD OR BOARDS, OR EQUAL OVER THE AREA TO BE PROTECTED.
 THE BUILDER OR ITS AGENT MAY NOT CHANGE GRADE WITHIN THE TREE PROTECTION ZONE OF A PRESERVED TREE UNLESS SUCH GRADE CHANGE HAS RECEIVED FINAL APPROVAL FROM THE PLANNING BOARD. IF THE GRADE LEVEL IS TO BE CHANGED MORE THAN SIX (6) INCHES TREES DESIGNATED TO BE PRESERVED SHALL BE WELLED AND/OR PRESERVED IN A RAISED BED, WITH THE TREE WELL RADIUS OF THREE (3) FEET LARGER THAN THE TREE CANOPY.
- ROCKLAND COUNTY HIGHWAY PERMIT REQUIRED PRIOR TO ANY CONSTRUCTION
- PROJECT AND PLANS ARE IN COMPLIANCE WITH STORMWATER MANAGEMENT PHASE II REGULATIONS (LESS THAN ONE ACRE DISTURBANCE FOR SINGLE FAMILY RESIDENTIAL)
- AT LEAST ONE WEEK PRIOR TO THE COMMENCEMENT OF ANY WORK, INCLUDING THE INSTALLATION OF EROSION CONTROL DEVICES OR THE REMOVAL OF TREES & VEGETATION, A PRE-CONSTRUCTION MEETING MUST BE HELD WITH THE TOWN OF ORANGETOWN DEME, SUPT. OF HIGHWAYS AND THE OFFICE OF BUILDING, ZONING & PLANNING ADMINISTRATION AND ENFORCEMENT. IT IS THE RESPONSIBILITY AND OBLIGATION OF THE PROPERTY OWNER TO ARRANGE SUCH A MEETING.
- RETAINING WALLS, IF ANY, SHALL BE DESIGNED BY A NYS LICENSED PROF. ENGINEER & ALL DETAILS & CALCULATIONS PROVIDED TO THE PLANNING BOARD & THE D.E.M.E. FOR REVIEW & APPROVAL. PRIOR TO THE SIGNING OF THE SUBDIVISION PLAN.
- ALL LANDSCAPING SHOWN ON THE SUBDIVISION PLANS SHALL BE MAINTAINED IN A VIGOROUS GROWING CONDITION THROUGHOUT THE DURATION OF THE USE OF THIS SITE. ANY PLANTS NOT SO MAINTAINED SHALL BE REPLACED WITH NEW PLANTS AT THE BEGINNING OF THE NEXT IMMEDIATELY FOLLOWING GROWING SEASON.
- PRIOR TO THE COMMENCEMENT OF ANY SITE WORK, INCLUDING THE REMOVAL OF TREES, THE APPLICANT SHALL INSTALL THE SOIL EROSION & SEDIMENTATION CONTROL AS REQUIRED BY THE PLANNING BOARD. PRIOR TO THE AUTHORIZATION TO PROCEED WITH ANY PHASE OF THE SITE WORK, THE TOWN D.E.M.E. SHALL INSPECT THE INSTALLATION OF ALL REQUIRED SOIL EROSION & SEDIMENTATION CONTROL MEASURES THE APPLICANT SHALL CONTACT DEME AT LEAST 48 HOURS IN ADVANCE FOR AN INSPECTION.

NOTE: REFER TO APPROVED SUBDIVISION PLANS FOR DETAILS OF SEPTIC SYSTEM SHOWN HEREON AND FOR REQUIRED DETAILS OF DRYWELLS, CURBING, CATCH BASINS, ETC.



BULK TABLE • ZONE R-40

ITEM	REQUIRED	PROPOSED
MIN AREA	40,000 SF	45,806 SF
MIN LOT WIDTH	150'	150'±
MIN ST. FRONT.	100'	100.00'
MIN FRONT YARD	50'	180.8'
MIN SIDE YARD	30'	40.0'
TOTAL SIDE YARD	80'	82.6'
MIN REAR YARD	50'	66.5'
MAX. FAR	0.15	0.12

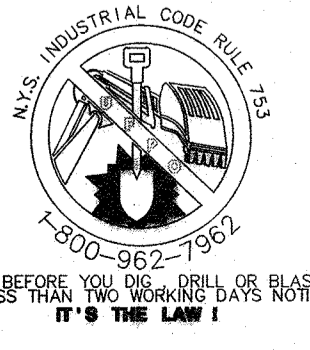
FAR PER ARCHITECT:
5.519 SF/45,806±012

SQUARE FOOTAGE:

FIRST FLOOR:	1,944 S.F.
SECOND FLOOR:	1,631 S.F.
SUBTOTAL:	3,575 S.F.
CELLAR:	1,363 S.F.
GARAGE:	581 S.F.
TOTAL:	5,519 S.F.

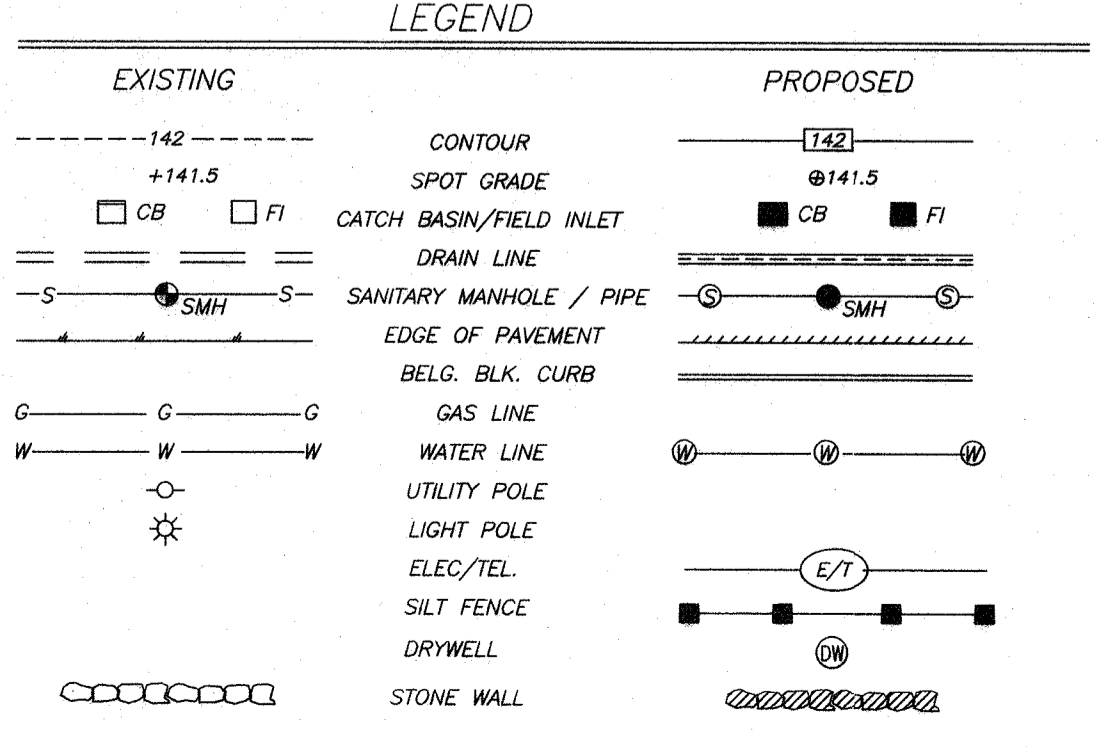
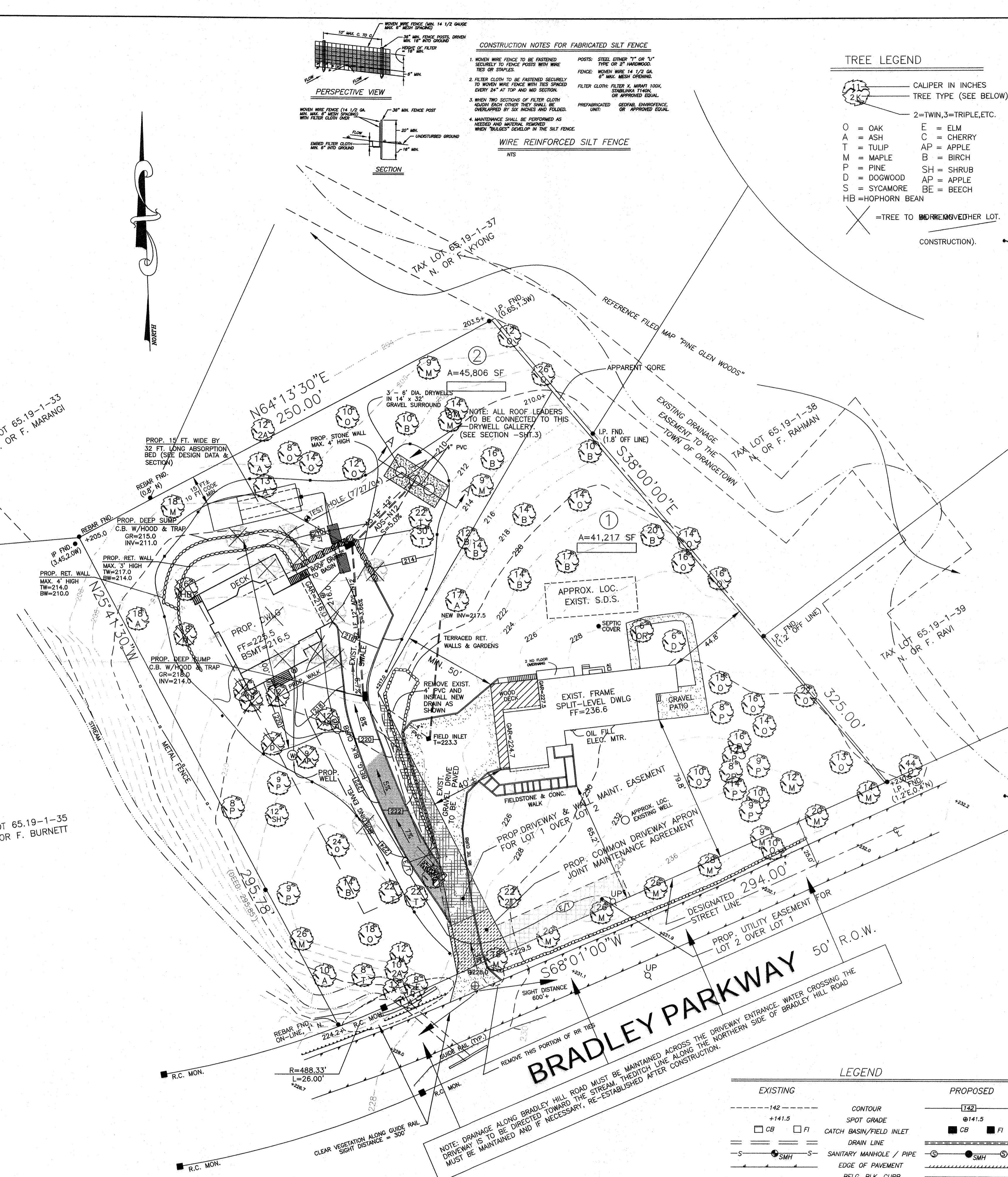
UNAUTHORIZED ALTERATION OR ADDITION TO THIS PLAN IS A VIOLATION OF SECTION 7209(2) OF THE NEW YORK STATE EDUCATION LAW. COPIES OF THIS MAP NOT HAVING THE SEAL OF THE SURVEYOR OR ENGINEER SHALL NOT BE VALID.

CERTIFICATIONS ARE NOT TRANSFERABLE TO ADDITIONAL INSTITUTIONS OR SUBSEQUENT OWNERS. USE OF UNSEALED COPIES OF THIS DOCUMENT IN ANY COURT, FINANCIAL OR LAND TRANSACTION OR FILING WITH ANY PUBLIC AGENCY OR OFFICE IS AN UNAUTHORIZED USE AND A VIOLATION OF FEDERAL COPYRIGHT LAWS.

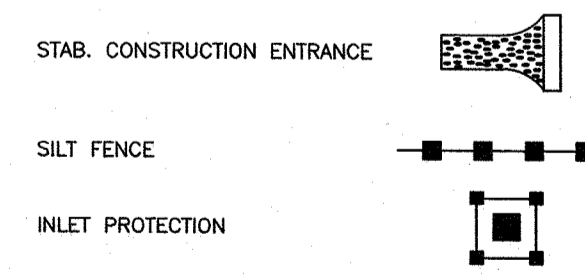


Paul Gdanski, P.E.
•075890 •

- REFERENCES:
- FILED MAP ENTITLED "PINE GLEN WOODS" FILED IN THE ROCKLAND COUNTY CLERK'S OFFICE AS MAP #6018.
 - FILED MAP ENTITLED "GIANNELLA" FILED IN THE ROCKLAND COUNTY CLERK'S OFFICE AS MAP #6757.
 - MAP OF SURVEY FOR STAROPOLI BY McDOUGALL & DRUMM DATED MARCH 2, 1993.
 - ROCKLAND COUNTY HIGHWAY MAP #M11, BRADLEY HILL ROAD.
 - "SUBDIVISION OF PROPERTY FOR LEWY" FILED 4/14/05 AS MAP # 7748.



LEGEND FOR EROSION CONTROL DURING CONSTRUCTION



CASTRO
TOWN OF ORANGETOWN
ROCKLAND COUNTY, NEW YORK

PAUL GDANSKI, P.E., PLLC
633 WOODMONT LANE
SLOATSBURG, NEW YORK 10974
(917) 418-0999
EMAIL: PGSKI@EARTH-LINK.NET

BRADLEY
5/24/21
1"=30'

PROPOSED SINGLE FAMILY FOR: JUNIOR CASTRO

854 BRADLEY HILL ROAD, BLAUVELT
TOWN OF ORANGETOWN

ROCKLAND COUNTY
NEW YORK

2020 Residential Code of New York State (First Printing: Nov 2019)

GENERAL NOTES & CODE DATA:

CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA TABLE R301.2									
CLIMATE ZONE	GROUND SNOW LOAD	WIND SPEED (MPH)	SEISMIC DESIGN CATEGORY	SUBJECT TO DAMAGE FROM			WINTER DESIGN TEMP	ICE SHIELD UNDERLAYMENT REQUIRED	FLOOD HAZARDS
				WEATHERING	FROST LINE DEPTH	TERMITE			
5a	30	115	B	SEVERE	42"	MODERATE TO HEAVY	6	YES	

ALL HABITABLE ROOMS MEET THE NATURAL LIGHT REQUIREMENT.

2020 Energy Conservation Construction Code of New York State (First Printing: Nov 2019)

INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT

TABLE R402.1.2											
	CLIMATE ZONE	FENESTRATION U-FACTOR	SKYLIGHT U-FACTOR	GLAZED FENESTRATION SHGC	CEILING R-VALUE	HOOD FRAME WALL R-VALUE	MASS WALL	FLOOR R-VALUE	BASEMENT WALL R-VALUE	SLAB R-VALUE	CRAWL SPACE WALL R-VALUE
REQUIRED	5a	0.30	0.55	NR	44	20 OR 13+5	13/11	30	15/14	10, 2 FT	15/14
PROVIDED		0.30	N/A		44	21	N/A	30	N/A	N/A	N/A

BLOWER DOOR TEST REQUIRED AS PER NYS ENERGY CODE

INDEX OF DRAWINGS

- COVER SHEET
- A-1 BASEMENT & FOUNDATION PLAN
- A-2 FIRST FLOOR PLAN
- A-3 SECOND FLOOR PLAN
- A-4 ROOF PLAN
- A-5 FRONT ELEVATIONS
- A-6 RIGHT SIDE ELEVATIONS
- A-7 REAR ELEVATIONS
- A-8 LEFT SIDE ELEVATIONS
- SP-1 CODE SPECIFICATION DETAILS
- SP-2 CODE SPECIFICATION NOTES

RELEASE DATES:

- DECEMBER 6, 2021 BUILDING DEPARTMENT SUBMISSION
- APRIL 6, 2022 GRADING REVISIONS



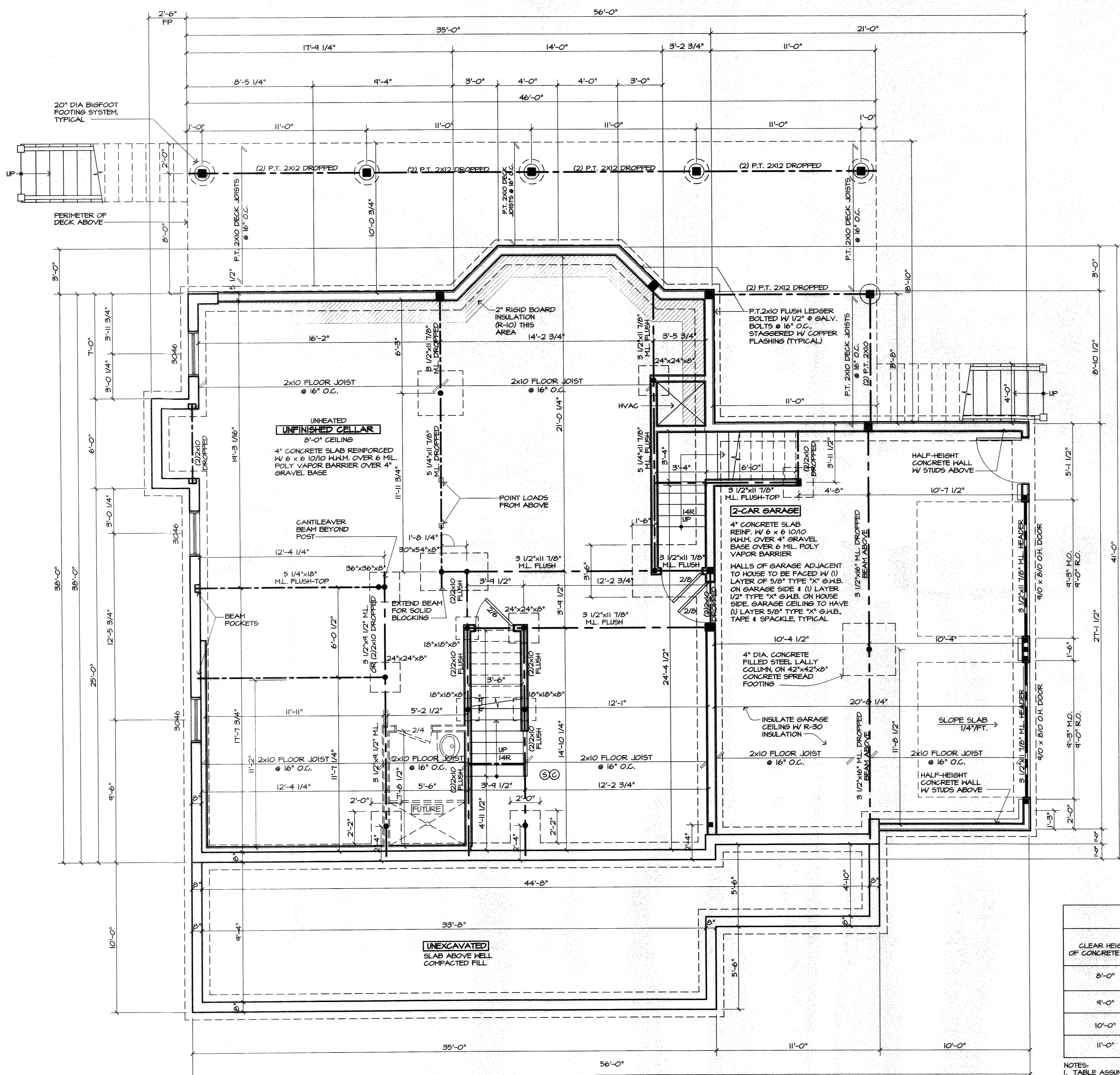
■ BARRY TERACH ■



■ ARCHITECT ■

8 Turner Road
Central Valley, New York 10917
ph. 845-928-3988 fax 845-928-3599

CAS 2162

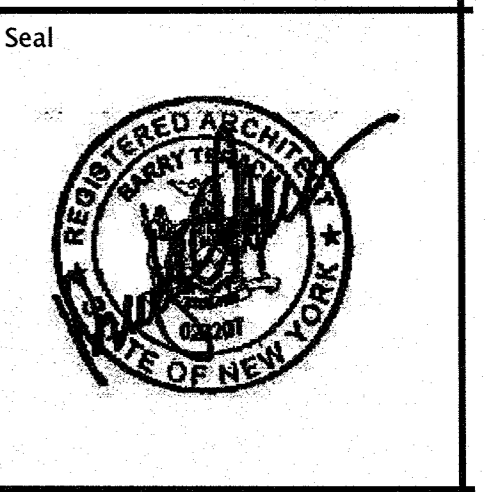


CELLAR & FOUNDATION PLAN
 A-1 SCALE: 1/4" = 1'-0"

STEEL REINFORCEMENT FOR CONCRETE BASEMENT WALLS

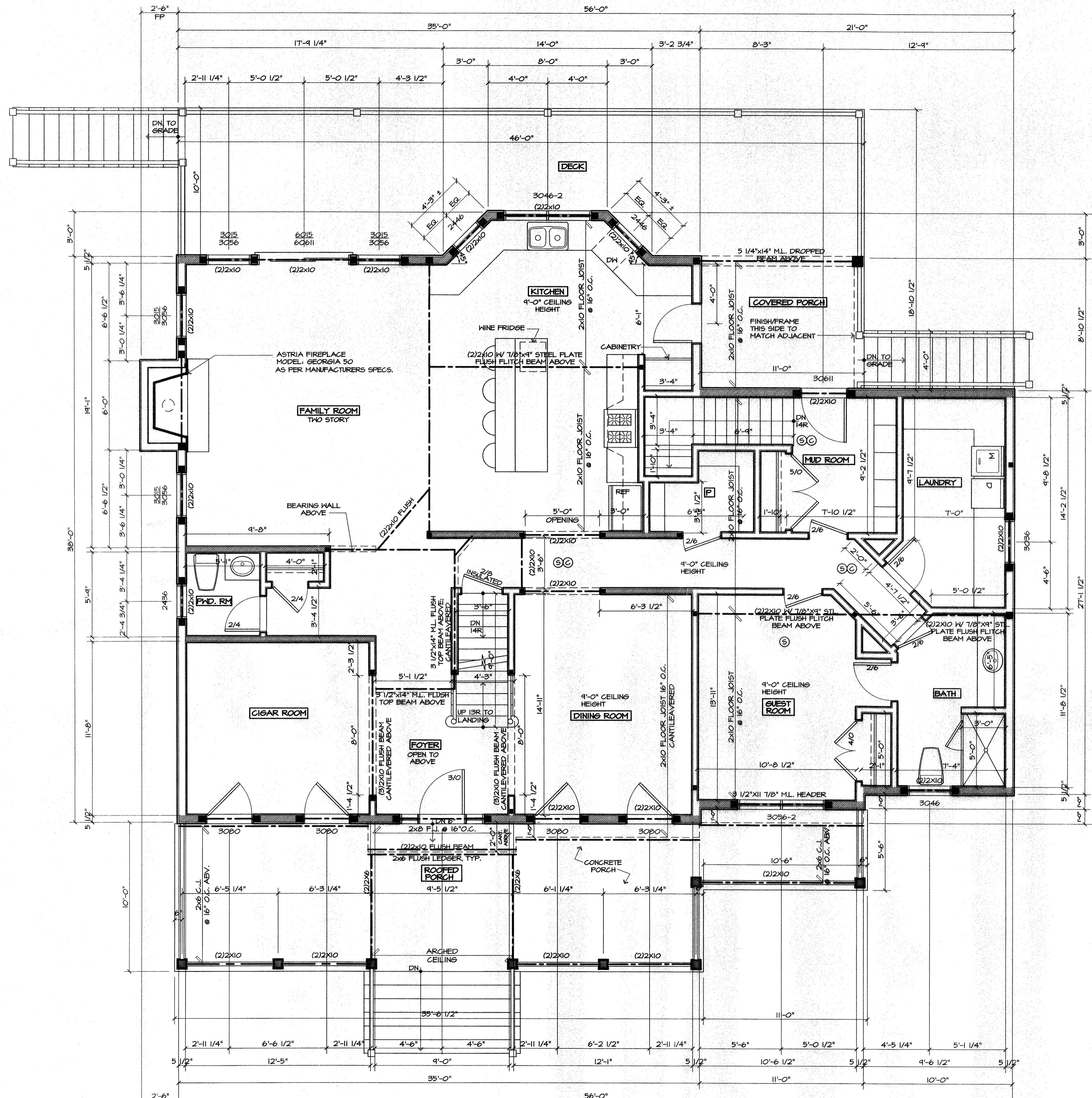
CLEAR HEIGHT OF CONCRETE WALL	8" THICK		10" THICK		12" THICK	
	VERT.	HORIZ.	VERT.	HORIZ.	VERT.	HORIZ.
8'-0"	#4@24" O.C.	#4@24" O.C.	#4@24" O.C.	#4@24" O.C.	#4@14" O.C.	#5@24" O.C.
9'-0"	#4@18" O.C.	#4@24" O.C.	#4@18" O.C.	#5@24" O.C.	#4@12" O.C.	#5@16" O.C.
10'-0"	#5@18" O.C.	#4@16" O.C.	#4@12" O.C.	#5@18" O.C.	#4@10" O.C. OR #5@18" O.C.	#5@12" O.C.
11'-0"	#5@12" O.C.	#4@10" O.C.	#5@12" O.C.	#5@12" O.C.	#5@12" O.C.	#5@10" O.C.

NOTES:
 1. TABLE ASSUMES A 300 PSF SURCHARGE OF A DEPTH OF ONE FOOT LESS THAN THE WALL HEIGHT APPLIED TO EXTERIOR FACE OF WALL.



PROPOSED SINGLE FAMILY FOR:
JUNIOR CASTRO
 854 BRADLEY HILL ROAD, BLAUVELT
 TOWN OF ORANGETOWN, NEW YORK
 ROCKLAND COUNTY

Revisions:
 Project No. CAS 2162
 Date: 11/12/21
 Drawn By: DS
 Reviewed By: BT



1 FIRST FLOOR PLAN
 A-2 SCALE: 1/4" = 1'-0"

LEGEND

- BEARING WALL
- HARD WIRED SMOKE DETECTOR
- HARD WIRED CARBON MONOXIDE DETECTOR

FIREPLACE NOTES:
 PROVIDE 1" CLEARANCE TO FRAMING & COMBUSTIBLE MATERIALS ON SIDES AND BACK OF FIREPLACE
 PROVIDE A MINIMUM OF 8" OF NON COMBUSTIBLE WALL FINISH SURFACE ON BOTH SIDES OF DOOR OPENING
 MAINTAIN A MINIMUM OF 2" OF AIR SPACE BETWEEN CHIMNEY PIPE AND FRAMING

FRAMING NOTE:
 TYPICAL EXTERIOR & INTERIOR BEARING HEADER TO BE (2) 2"x10'S U.O.M.

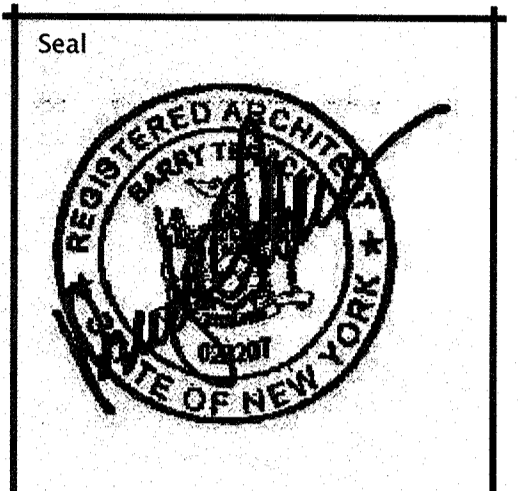
SQUARE FOOTAGE:

FIRST FLOOR:	1,444 S.F.
SECOND FLOOR:	1,631 S.F.
SUBTOTAL:	3,075 S.F.
CELLAR:	1,363 S.F.
GARAGE:	501 S.F.
TOTAL:	5,514 S.F.

SQUARE FOOTAGE CALCULATIONS ARE MADE FROM OUTSIDE OF EXTERIOR FRAME WALLS EXCLUDING DECKS, PORCHES, ATTICS & FIREPLACES. TWO STORY SPACES AND STAIRS ARE COUNTED ONCE.

FLOOR AREA RATIO CALCULATIONS:

FIRST FLOOR:	1,444 S.F.
SECOND FLOOR:	1,631 S.F.
FRONT PORCH:	216 S.F.
35% BASEMENT:	682 S.F.
TOTAL:	4,531 S.F./23,226 S.F. = 19.5%

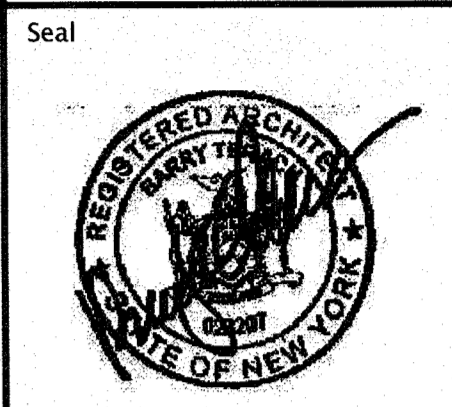


PROPOSED SINGLE FAMILY FOR:
JUNIOR CASTRO
 854 BRADLEY HILL ROAD, BLAUVELT
 TOWN OF ORANGETOWN, NEW YORK
 ROCKLAND COUNTY

Revisions:

Project No. CAS 2162
 Date: 11/12/21
 Drawn By: DS
 Reviewed By: BT

Sheet Number:
A-2



PROPOSED SINGLE FAMILY FOR:
JUNIOR CASTRO
 854 BRADLEY HILL ROAD, BLAUVELT
 TOWN OF ORANGETOWN, NEW YORK
 ROCKLAND COUNTY

WINDOW & EXTERIOR DOOR SCHEDULE											
WINDOWS											
(NO.)	MANUFACTURER	TYPE	SERIES	CATALOG NO.	ROUGH OPENING WIDTH	ROUGH OPENING HEIGHT	CLEAR OPENING WIDTH	CLEAR OPENING HEIGHT	SQ. FT. GLASS	SQ. FT. VENT	REMARKS
A	ANDERSEN	DOUBLE HUNG	400	TH8056-2	6'-4 3/8"	5'-8 7/8"	33 7/8"	30 1/4"	25.78	14.28	
B	ANDERSEN	DOUBLE HUNG	400	TH8046-2	6'-4 3/8"	4'-8 7/8"	33 7/8"	24 1/4"	20.62	11.46	
C	ANDERSEN	DOUBLE HUNG	400	TH8046	3'-2 1/8"	4'-8 7/8"	33 7/8"	24 1/4"	10.31	5.73	
D	ANDERSEN	DOUBLE HUNG	400	TH28310	2'-10 1/8"	4'-0 7/8"	24 1/8"	20 1/4"	7.48	4.22	
E	ANDERSEN	DOUBLE HUNG	400	TH80310-2	6'-4 3/8"	4'-0 7/8"	33 7/8"	20 1/4"	17.18	9.58	
F	ANDERSEN	DOUBLE HUNG	400	TH8036	3'-2 1/8"	3'-8 7/8"	33 7/8"	18 1/4"	1.73	4.32	
H	ANDERSEN	DOUBLE HUNG	400	TH8052-2	6'-4 3/8"	5'-4 7/8"	33 7/8"	28 1/4"	24.06	13.34	
J	ANDERSEN	DOUBLE HUNG	400	TH2452	2'-6 1/8"	5'-4 7/8"	25 7/8"	28 1/4"	8.42	5.10	
K	ANDERSEN	DOUBLE HUNG	400	TH2446	2'-6 1/8"	4'-8 7/8"	25 7/8"	24 1/4"	7.65	4.38	
L	ANDERSEN	TRANSOM DOUBLE HUNG	400	TH23025 TH8056	3'-2 1/8"	7'-4 7/8"	30 1/8"	30 1/4"	15.61	7.14	
M	ANDERSEN	PICTURE	400	DHP3062-2	6'-4 3/8"	6'-4 7/8"	-	-	31.46	-	
N	ANDERSEN	PICTURE	400	DHP3062	3'-2 3/8"	6'-4 7/8"	-	-	15.73	-	
O	ANDERSEN	DOUBLE HUNG	400	TH2436	2'-6 1/8"	3'-8 7/8"	25 7/8"	18 1/4"	5.73	3.30	
P	ANDERSEN	CASEMENT	400	CX125	2'-8"	2'-4 7/8"	25 11/16"	23 7/16"	4.2	4.1	
Q	ANDERSEN	PICTURE	400	DHP3046	3'-2 1/8"	4'-8 7/8"	-	-	11.91	-	
R	ANDERSEN	PICTURE	400	DHP1046	1'-0 1/2"	4'-8 7/8"	-	-	2.42	-	
S	ANDERSEN	TRANSOM	400	FHT6016	72"	1'-6 1/2"	-	-	3.2	8.8	
EXTERIOR DOORS											
(NO.)	TYPE	MANUFACTURER	SERIES	CATALOG NO.	ROUGH OPENING WIDTH	ROUGH OPENING HEIGHT	CLEAR OPENING WIDTH	CLEAR OPENING HEIGHT	SQ. FT. GLASS	SQ. FT. VENT	REMARKS
1	ENTRY	-	-	-	-	-	-	-	-	-	OWNER SELECTED
2	FRENCH HINGED	ANDERSEN	400	FH81810	3'-1"	8'-0"	30 13/16"	91 1/4"	13.72	14.34	
3	FRENCH HINGED	ANDERSEN	400	FH81811	3'-1"	6'-11"	30 13/16"	78 1/8"	11.45	16.72	
4	TRANSOM FRENCH GLIDING	ANDERSEN	400	FHT 6016 FH860611	6'-0"	8'-5 1/2"	28 1/8"	78 3/16"	23.24	15.31	
4	FRENCH GLIDING	ANDERSEN	400	FH86068	6'-0"	6'-8"	28 1/8"	75 3/8"	23.73	14.72	

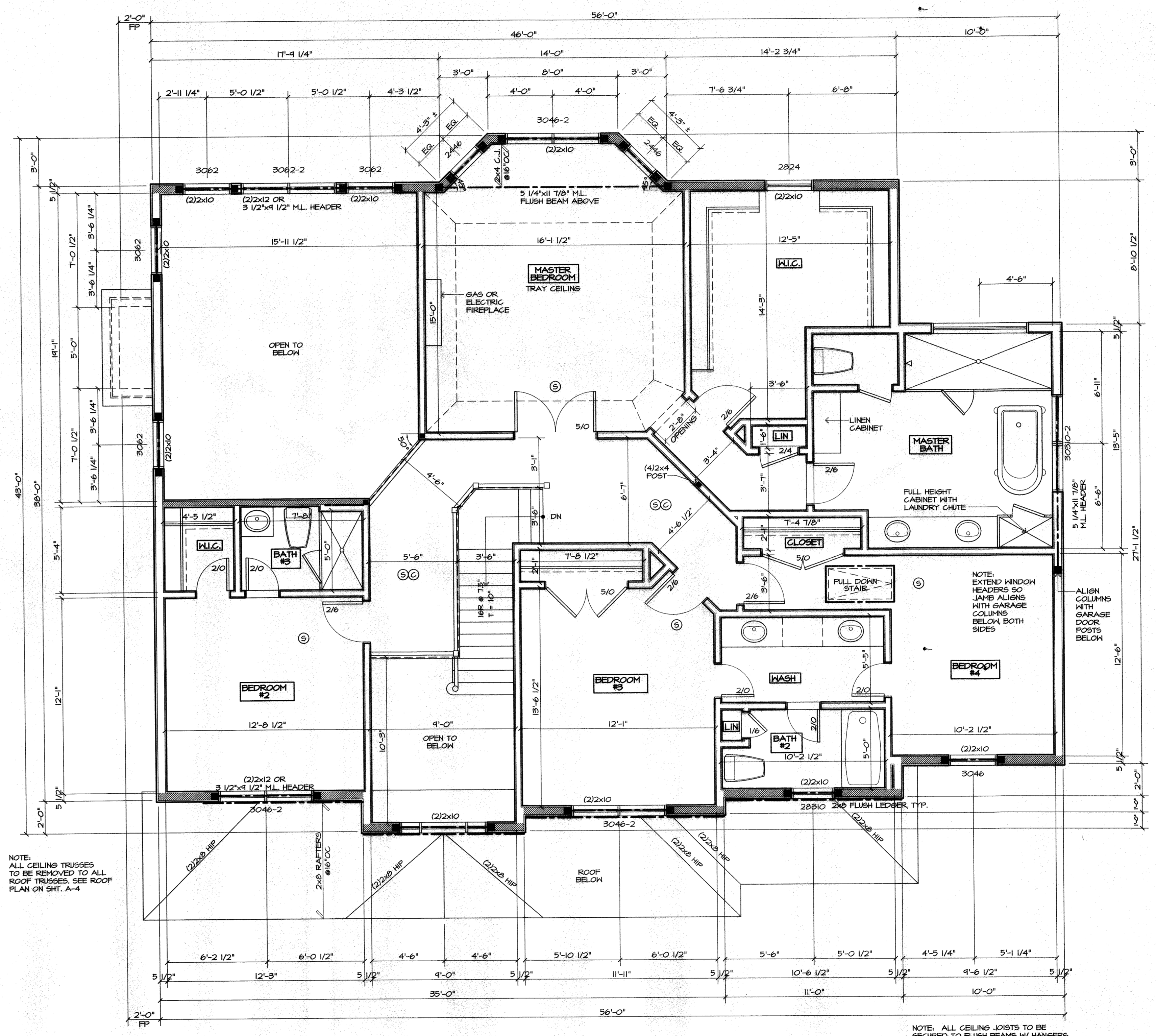
WINDOWS TO HAVE DOUBLE PANE INSULATING GLASS, LOW E, 6 9/16" EXTENSION JAMBS, AND ALUMINUM SCREENS.

NATURAL LIGHT REQUIREMENTS					
ROOM	SQ. FT. PER ROOM	GLASS AREA (S.F.)	NAT. LT. PERCENT	VENT AREA (S.F.)	VENT PERCENT
FIRST FLOOR					
KITCHEN/DINETTE	296	41.9	14.1	23.54	7.9
DINING	180	21.44	12.2	34.0	21.7
LIVING	145	21.44	16.9	34.0	26.8
FAMILY	293	180.11	61.4	43.87	14.9
GUEST ROOM	148	25.78	17.4	14.28	9.6

NATURAL LIGHT REQUIREMENTS					
ROOM	SQ. FT. PER ROOM	GLASS AREA (S.F.)	NAT. LT. PERCENT	VENT AREA (S.F.)	VENT PERCENT
SECOND FLOOR					
MASTER BEDROOM	271	35.92	13.2	20.22	7.4
BEDROOM #2	150	20.62	13.7	11.46	7.6
BEDROOM #3	164	20.62	12.5	11.46	6.9
BEDROOM #4	154	10.31	6.4	5.73	3.6

* PROVIDE ARTIFICIAL LIGHTING THAT IS CAPABLE OF PRODUCING AN AVERAGE ILLUMINATION OF 6 FOOT-CANDLES OVER THE AREA OF THE ROOM AT A HEIGHT OF 30 INCHES ABOVE THE FLOOR LEVEL.

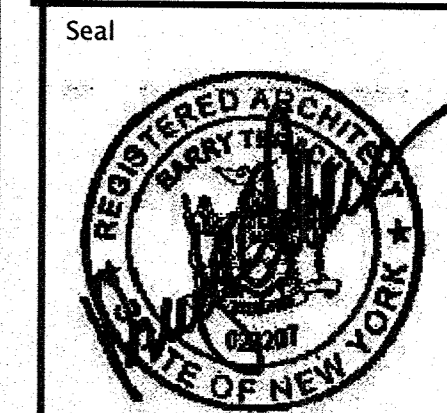
** PROVIDE MECHANICAL VENTILATION CAPABLE OF PRODUCING 0.35 AIR CHANGE PER HOUR IN ROOM OR A WHOLE-HOUSE VENTILATION SYSTEM CAPABLE OF SUPPLYING OUTDOOR VENTILATION AIR OF 15 CUBIC FEET PER MIN. PER OCCUPANT COMPUTED ON THE BASIS OF TWO OCCUPANTS FOR THE FIRST BEDROOM AND ONE OCCUPANT FOR EACH ADDITIONAL BEDROOM.



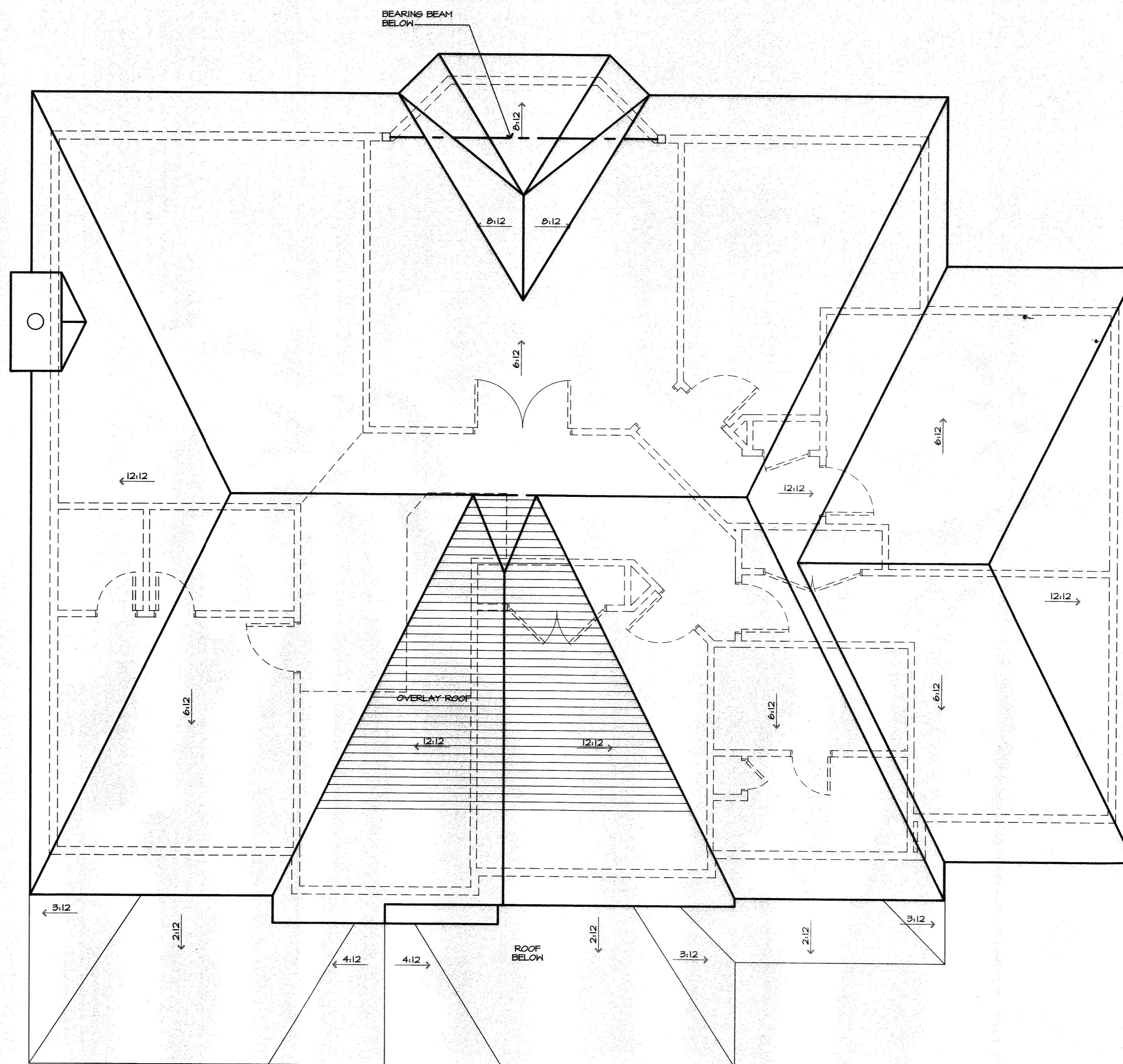
1 SECOND FLOOR PLAN
 A-3 SCALE: 1/4" = 1'-0"

Revisions:
Project No. CAS 2162
Date: 11/12/21
Drawn By: DS
Reviewed By: BT

Sheet Number:
A-3



PROPOSED SINGLE FAMILY FOR:
JUNIOR CASTRO
 854 BRADLEY HILL ROAD, BLAUVELT
 TOWN OF ORANGETOWN, NEW YORK
 ROCKLAND COUNTY



1 ROOF PLAN
 A-4 SCALE: 1/4" = 1'-0"

NOTE:
 ROOF FRAMING WITH WOODEN ROOF TRUSSES
 AS DESIGNED BY CERTIFIED NYS LICENSED ENGINEER

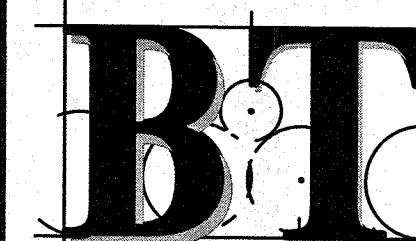
Revisions:

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Date:	11/12/21
Drawn By:	DS
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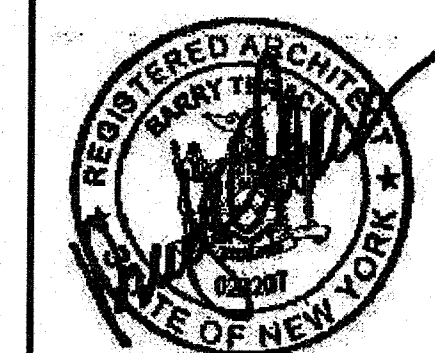
Sheet Number:
A-4

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Seal



PROPOSED SINGLE FAMILY FOR:
JUNIOR CASTRO
854 BRADLEY HILL ROAD, BLAUVELT
TOWN OF ORANGETOWN, NEW YORK
ROCKLAND COUNTY

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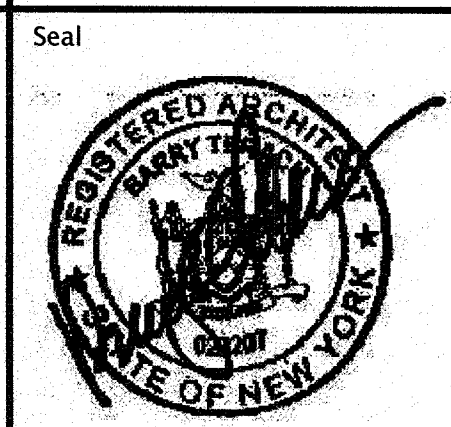
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A-5



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



1 RIGHT SIDE ELEVATION
 A-6 SCALE: 1/4" = 1'-0"

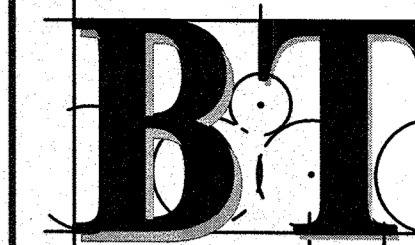
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A-6

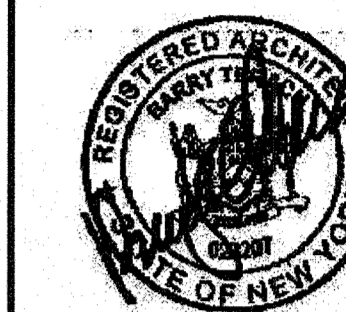
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1 REAR ELEVATION
A-7 SCALE: 1/4" = 1'-0"

PROPOSED SINGLE FAMILY FOR:

JUNIOR CASTRO

854 BRADLEY HILL ROAD, BLAUVELT

TOWN OF ORANGETOWN, NEW YORK

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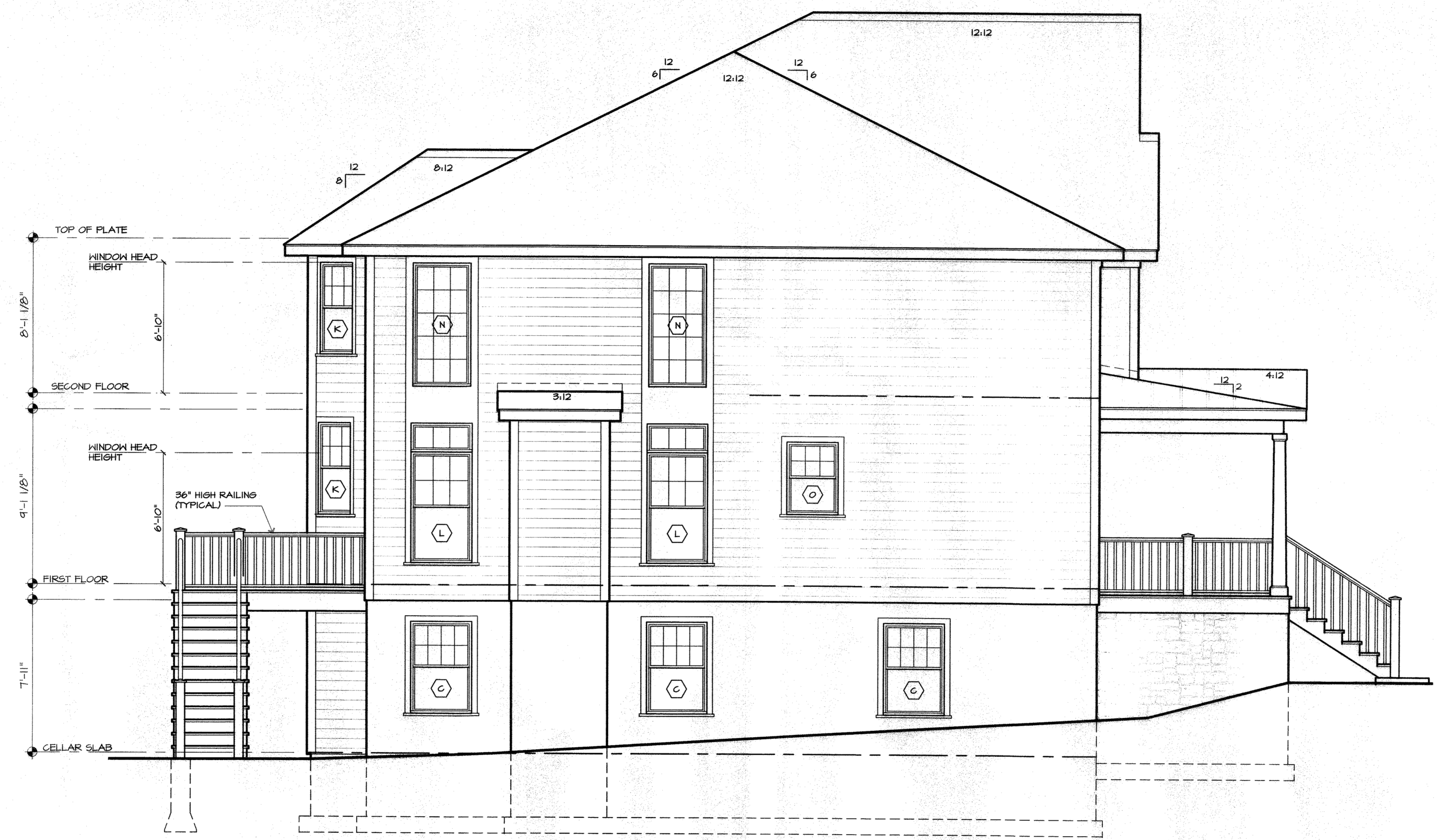
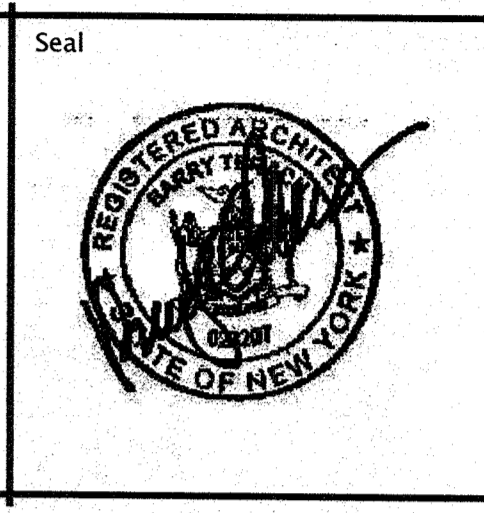
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A-7



1 LEFT SIDE ELEVATION
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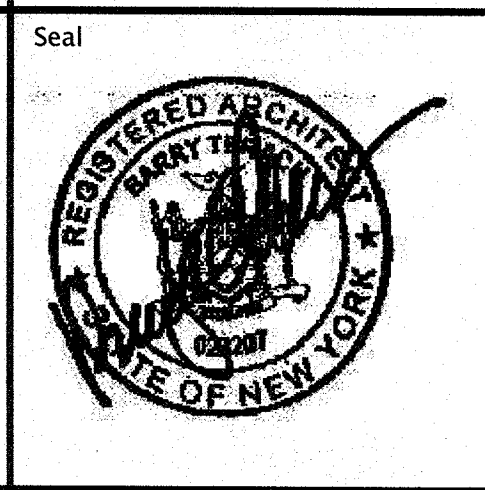
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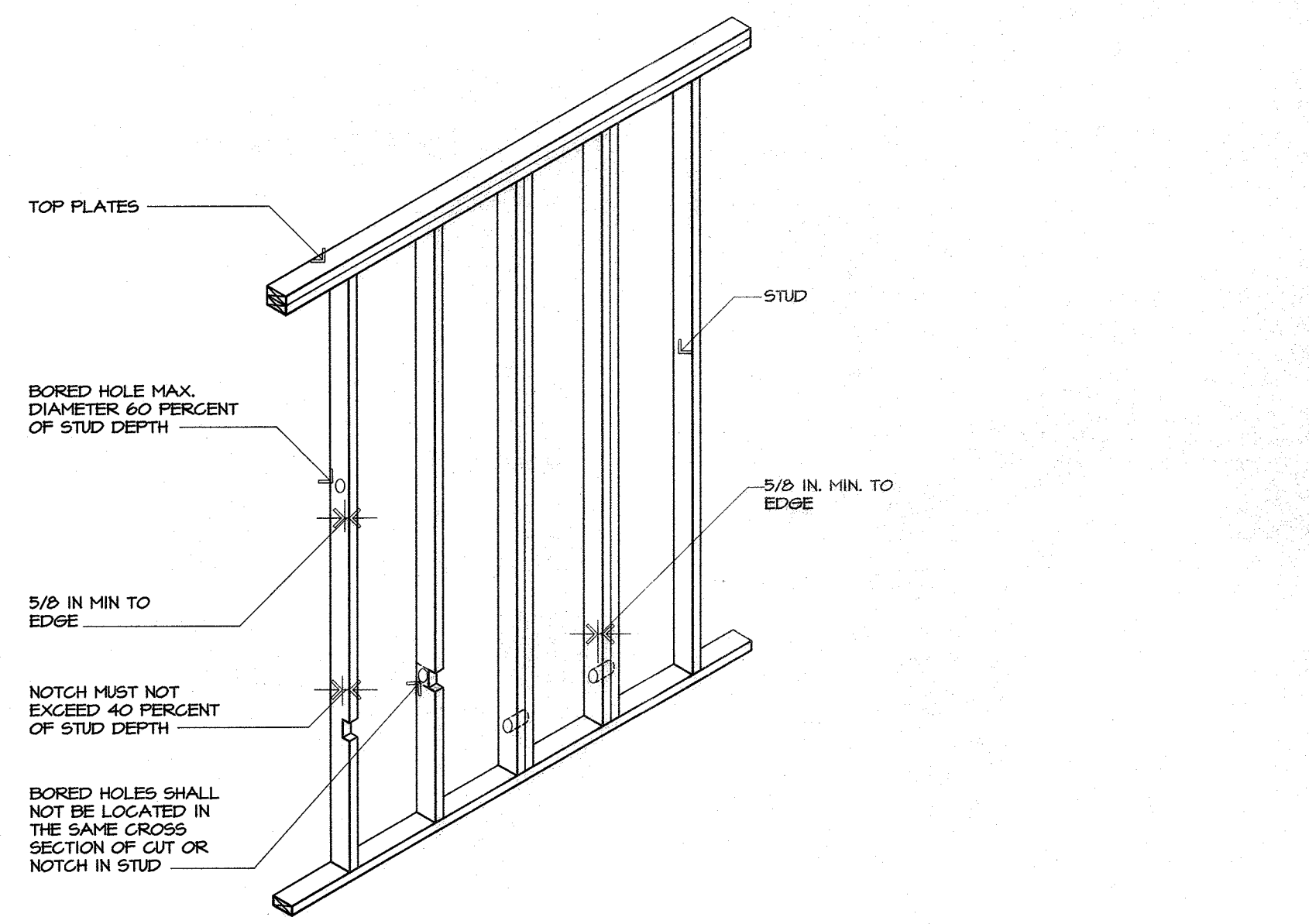
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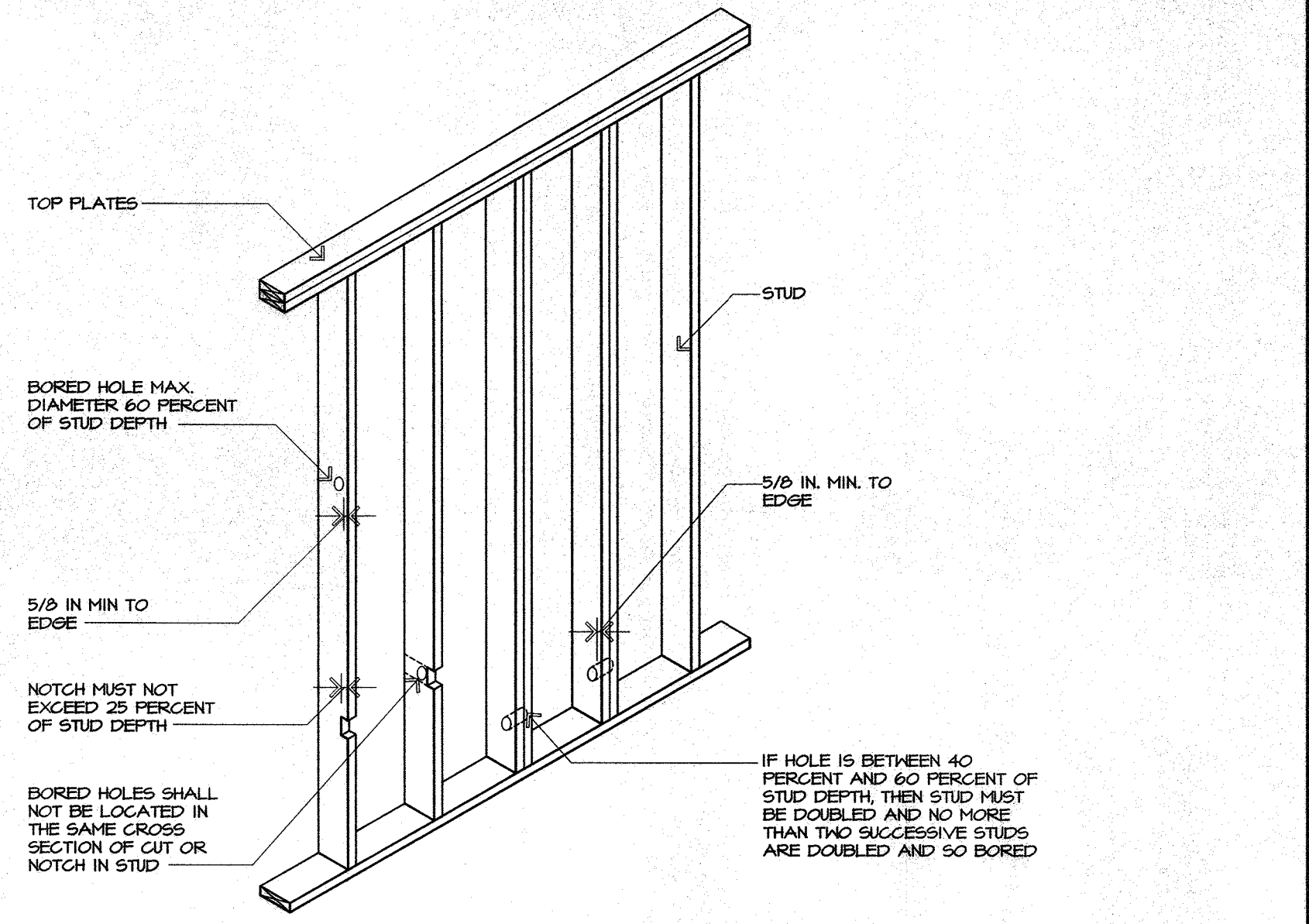
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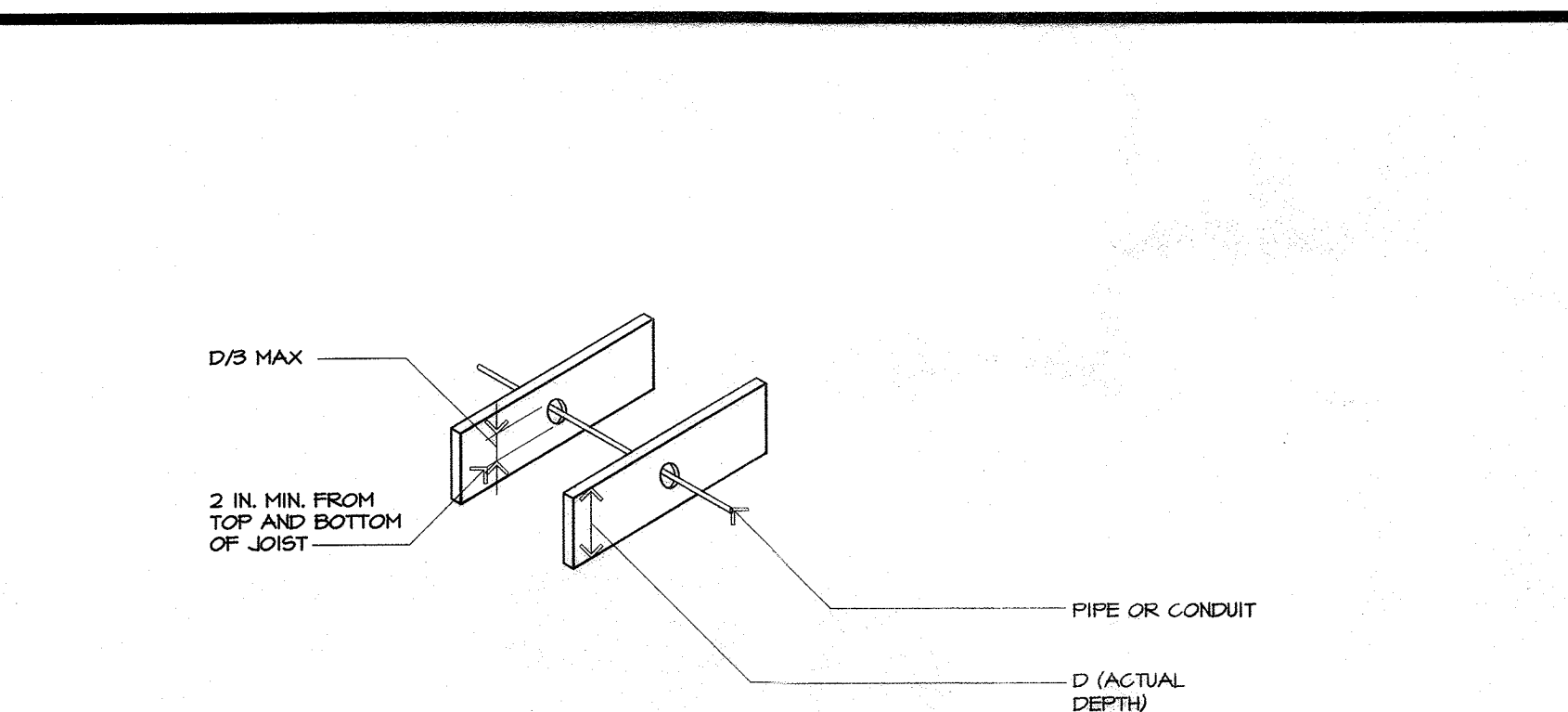
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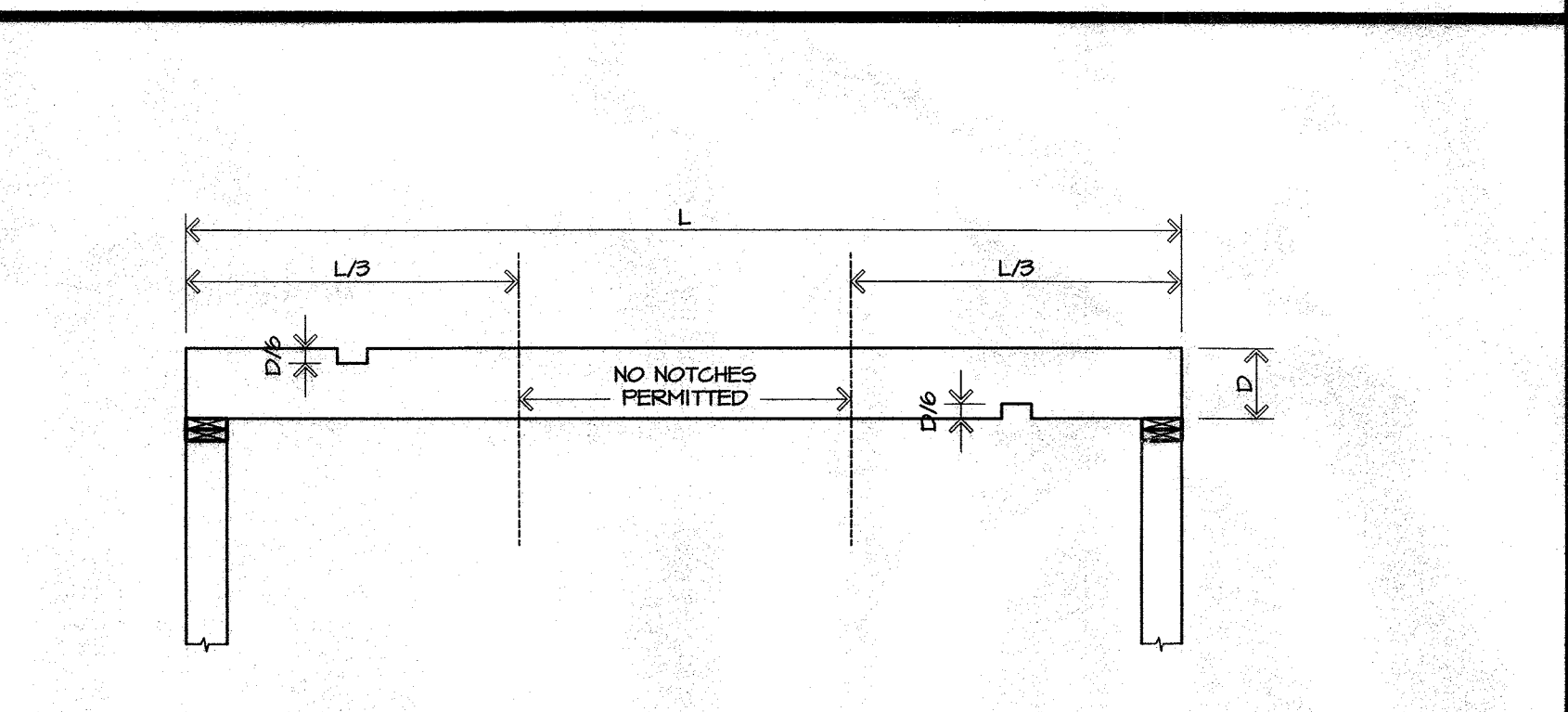
1 INTERIOR WALL PENETRATION
 SP-1 SCALE: 1/2" = 1'-0"



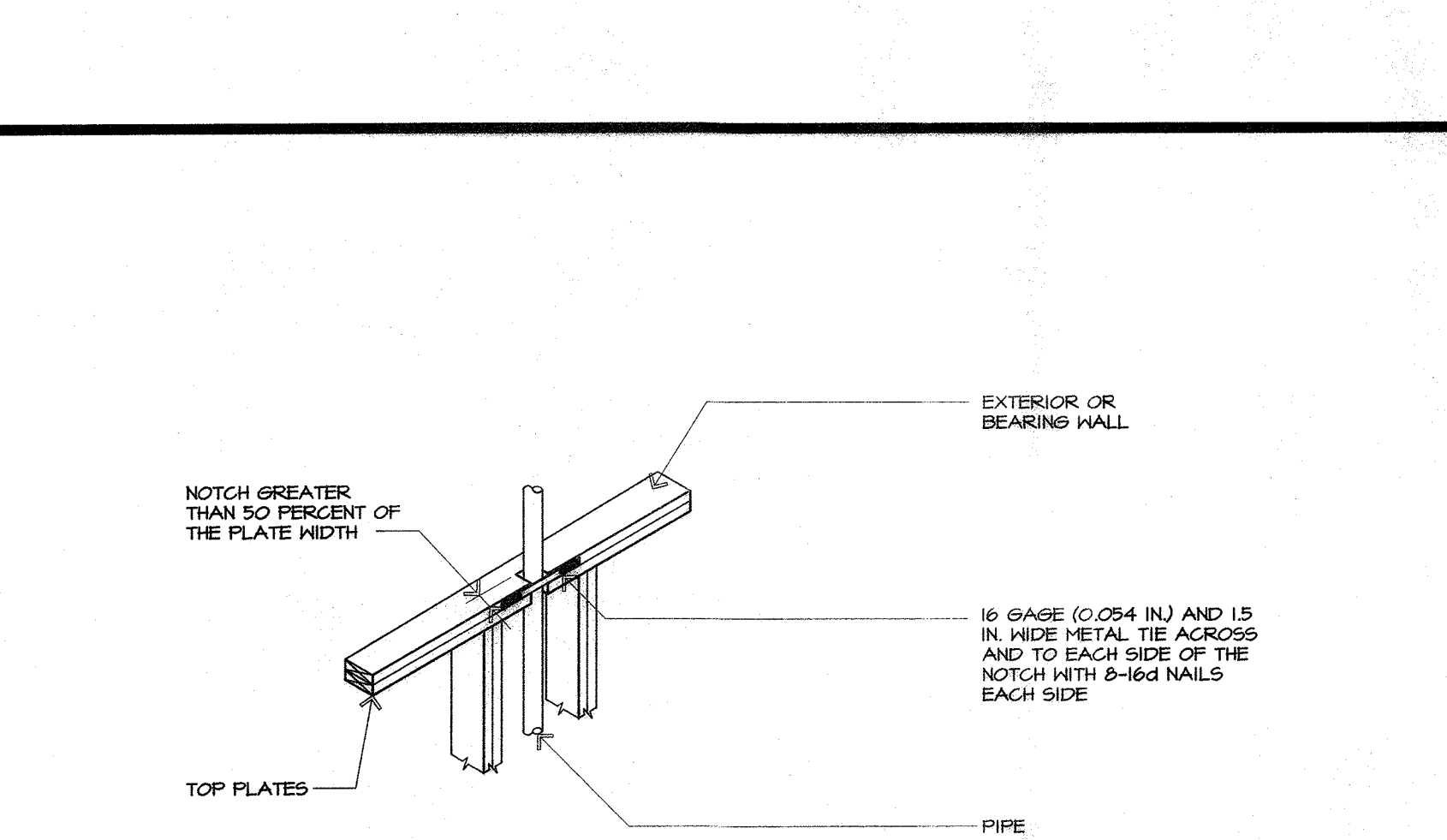
2 EXTERIOR WALL PENETRATION
 SP-1 SCALE: 1/2" = 1'-0"



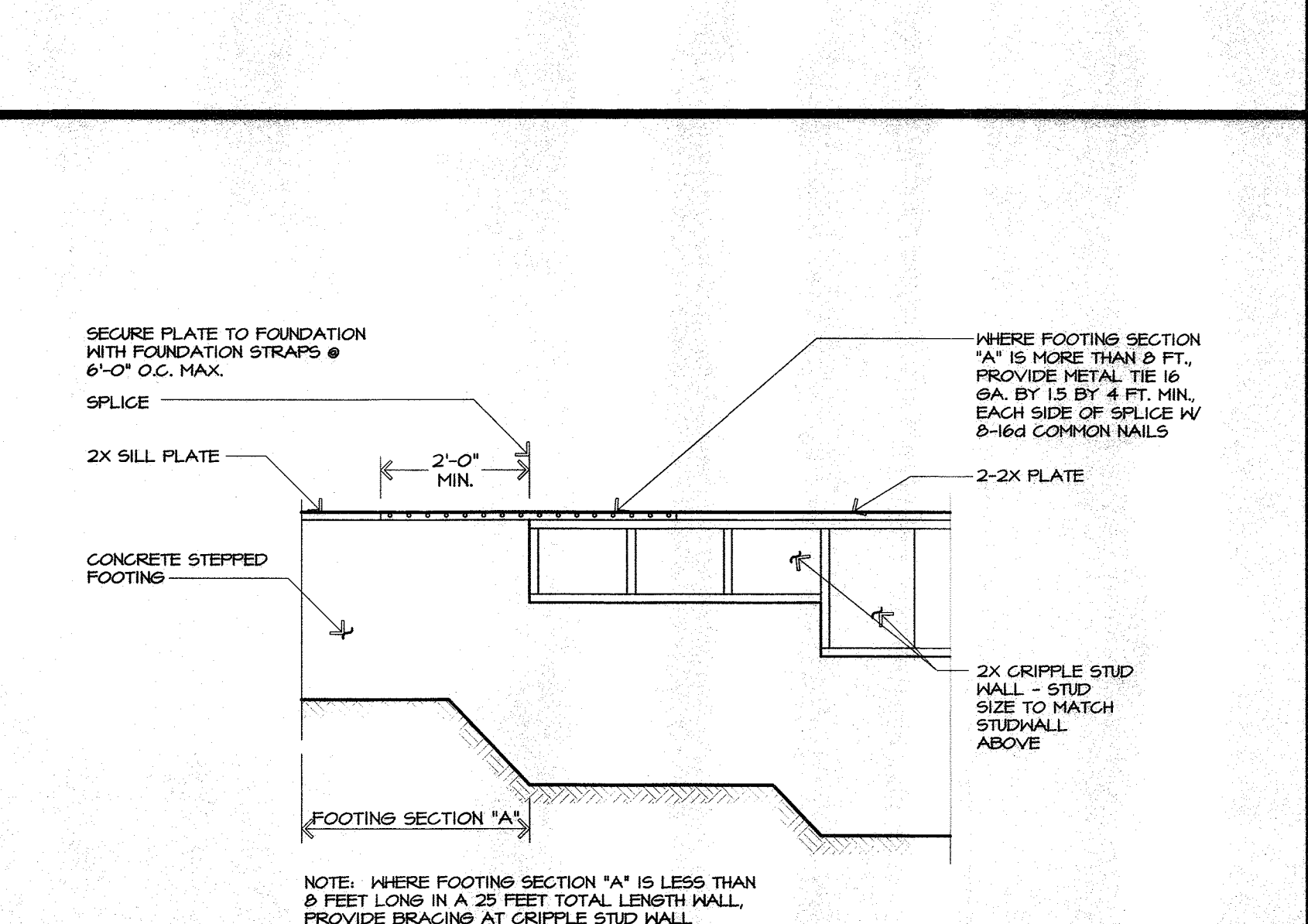
3 JOIST PENETRATION
 SP-1 SCALE: 1/2" = 1'-0"



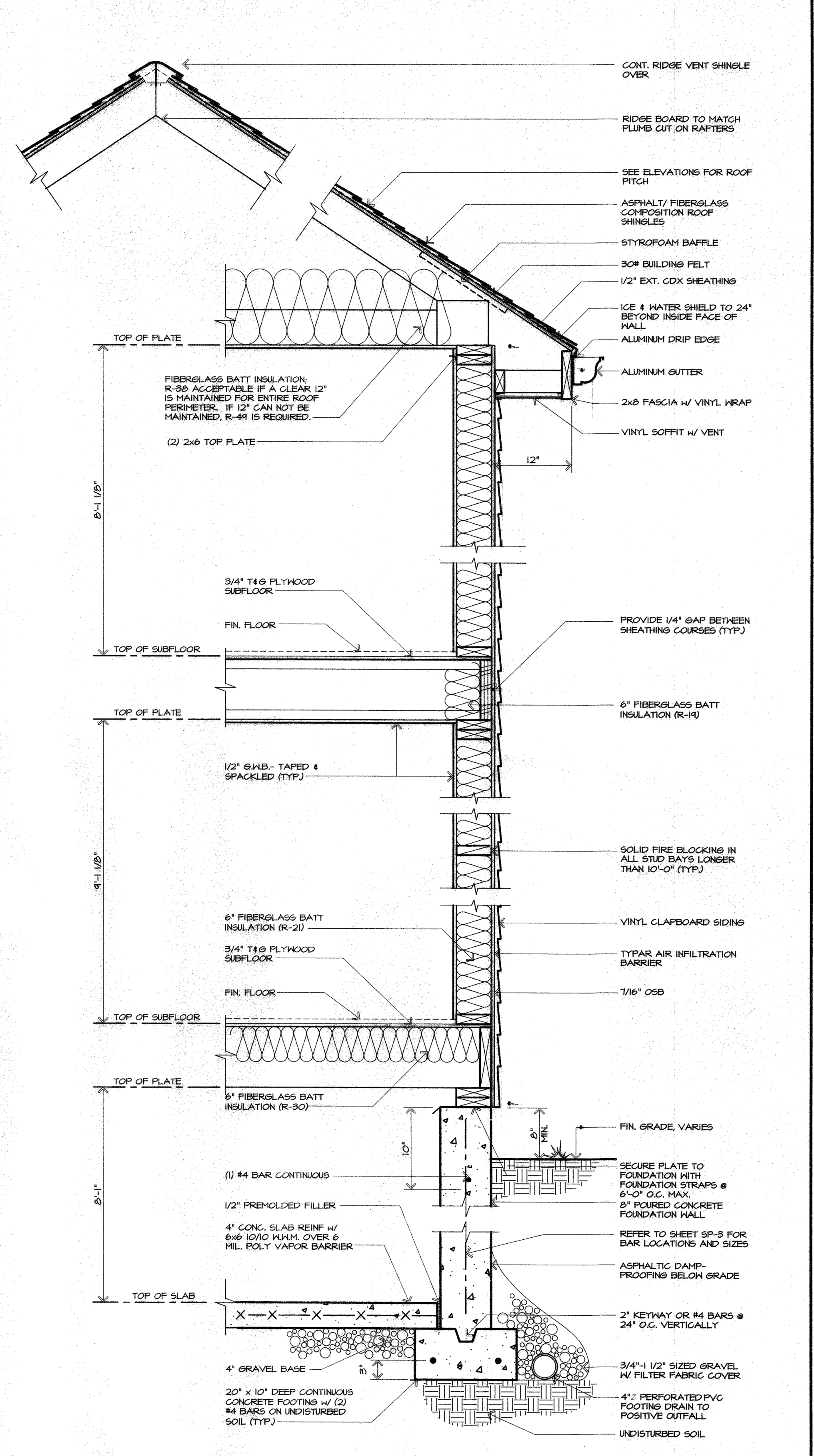
4 FLOOR JOIST NOTCHING
 SP-1 SCALE: 1/2" = 1'-0"



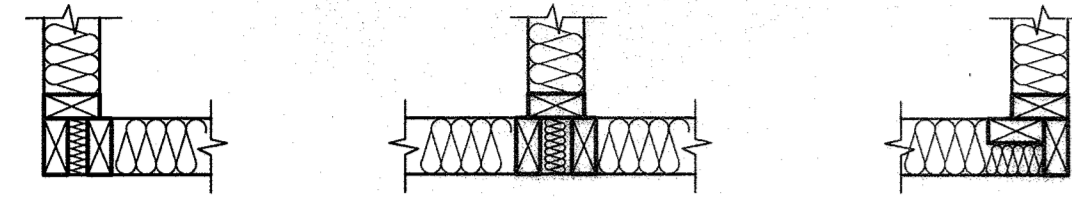
5 TOP PLATE PENETRATION
 SP-1 SCALE: 1/2" = 1'-0"



6 STEPPED FOUNDATION
 SP-1 SCALE: 1/2" = 1'-0"



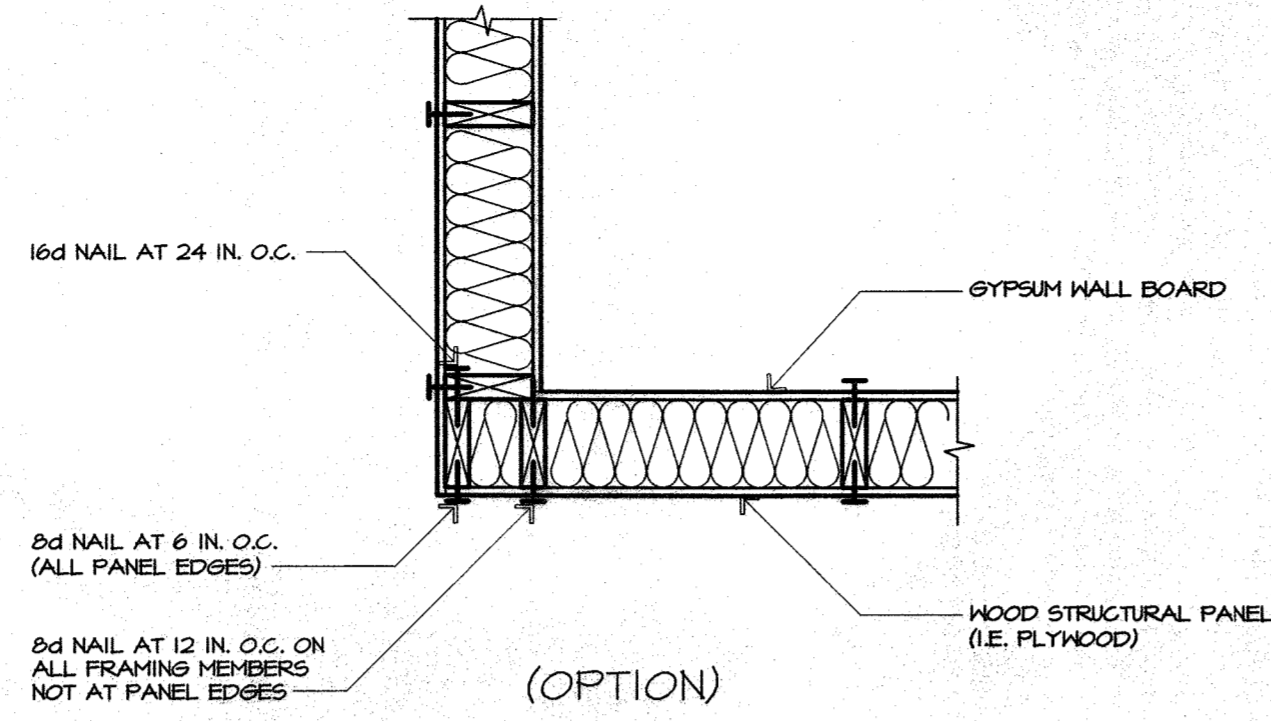
7 TYPICAL WALL SECTION
 SP-1 SCALE: 1" = 1'-0"



NOTE: A THIRD STUD AND/OR PARTITION INTERSECTION BACKING STUDS SHALL BE PERMITTED TO BE OMITTED THROUGH THE USE OF WOOD BACKUP CLEATS OR METAL DRYWALL CLIPS THAT WILL SERVE AS ADEQUATE BACKING FOR THE FACING MATERIALS.

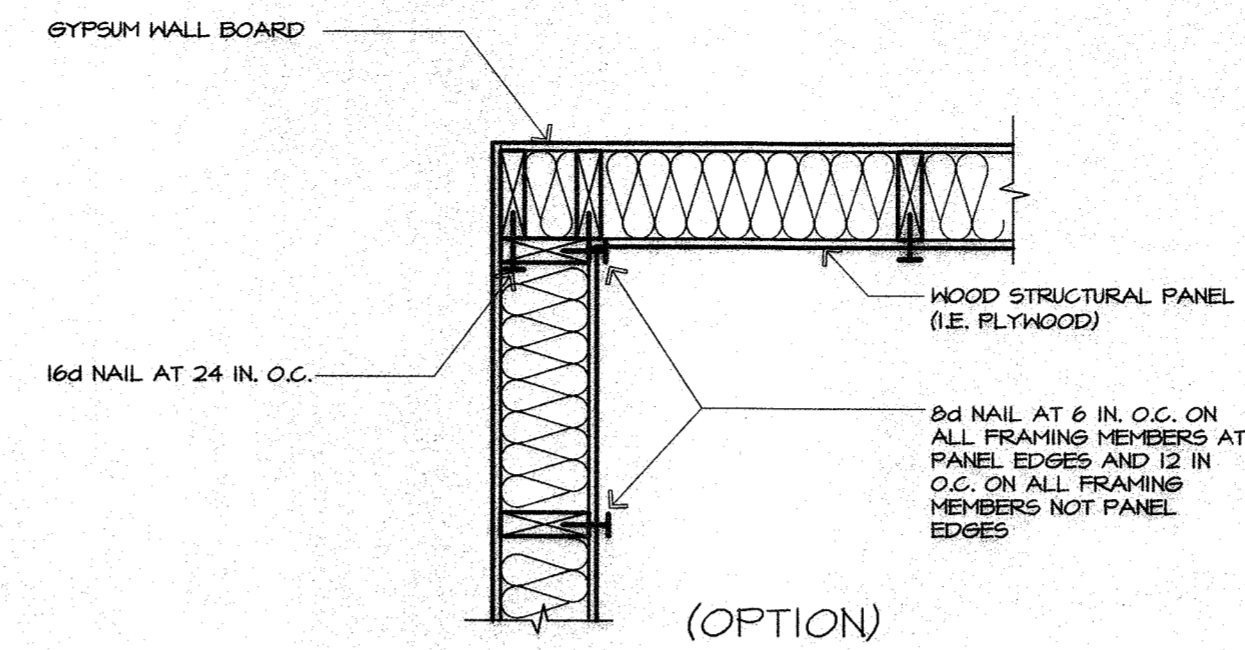
1 FRAMING DETAILS

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



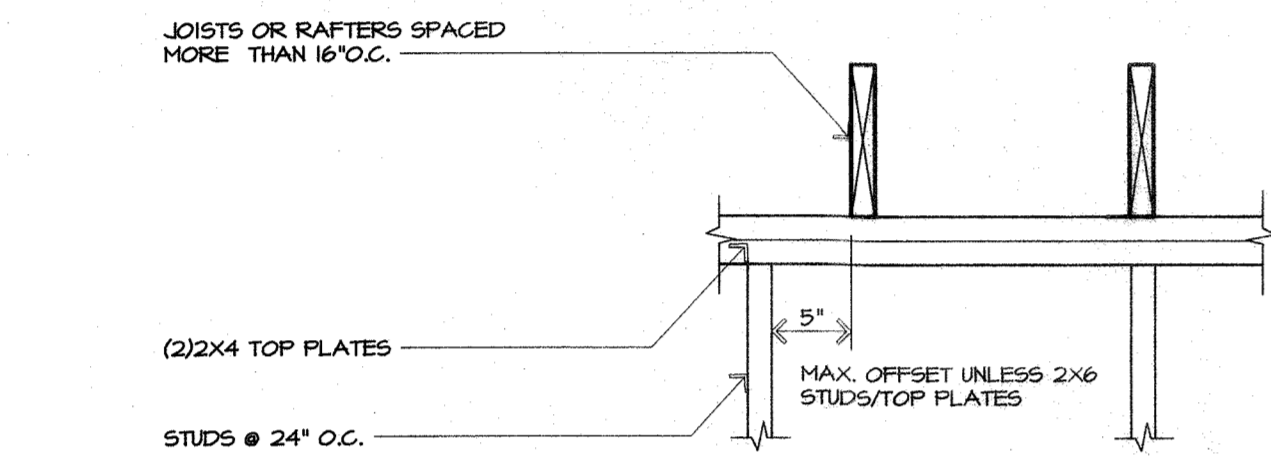
2 OUTSIDE CORNER DETAIL

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



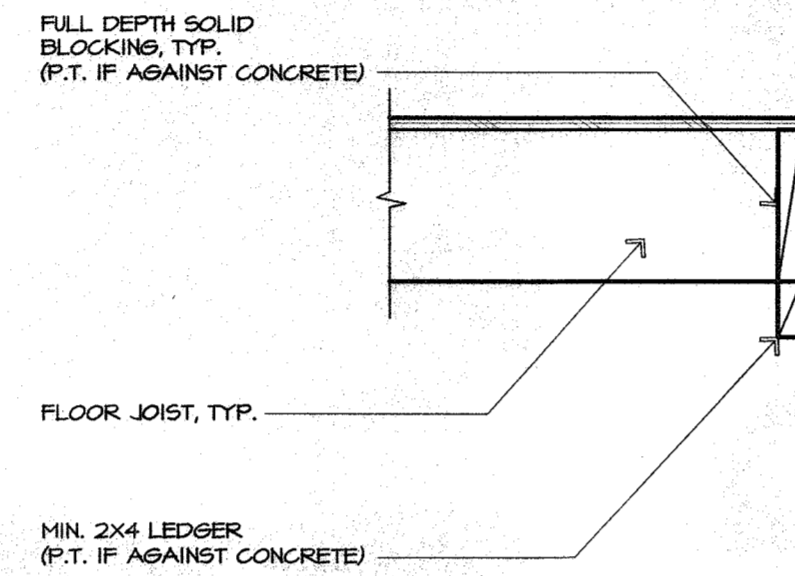
3 INSIDE CORNER DETAIL

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



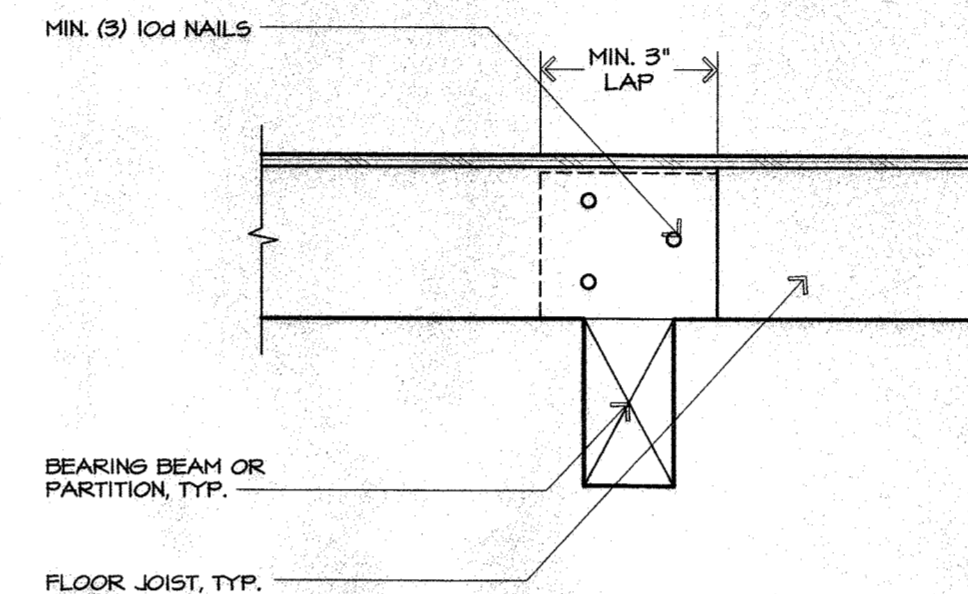
4 JOIST BEARING OFFSET

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



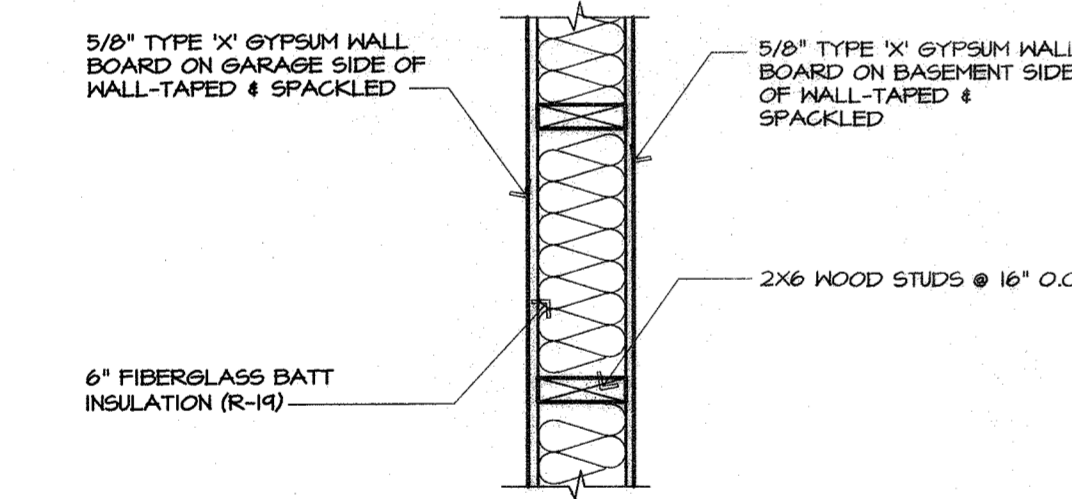
5 BEARING LEDGER

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



6 LAP @ JOIST BEARING

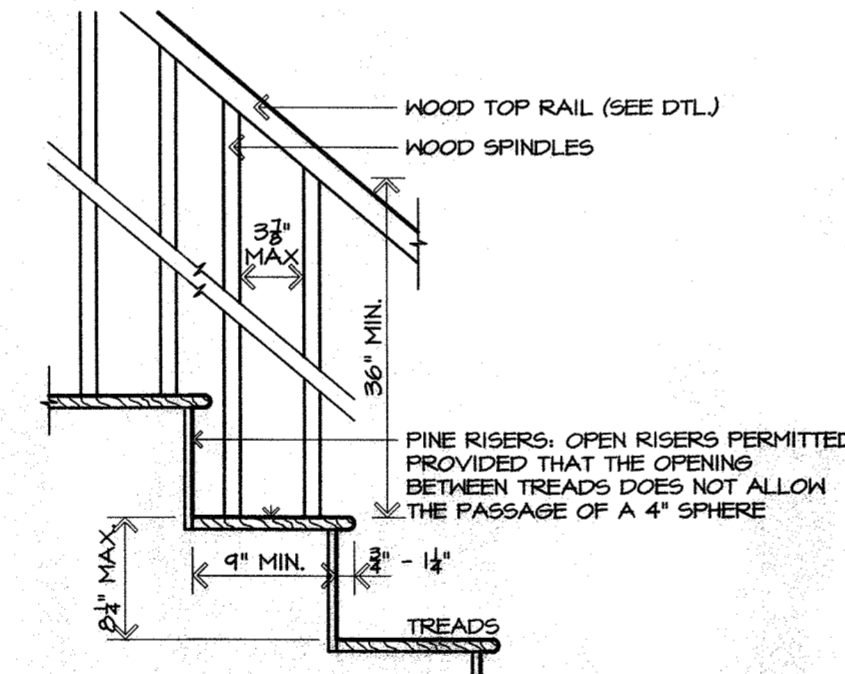
SP-2 SCALE: 1" = 1'-0"



7 SECTION @ GARAGE

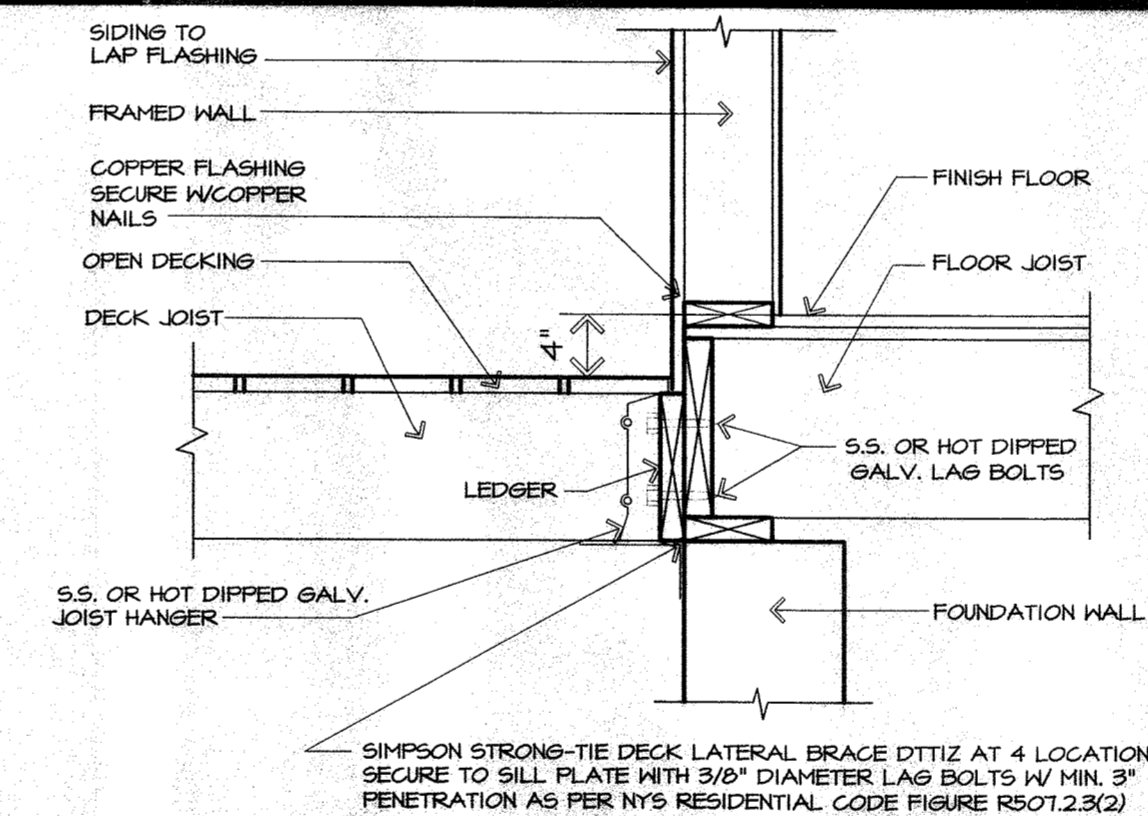
SP-2 SCALE: 1" = 1'-0"

PLAN VIEW



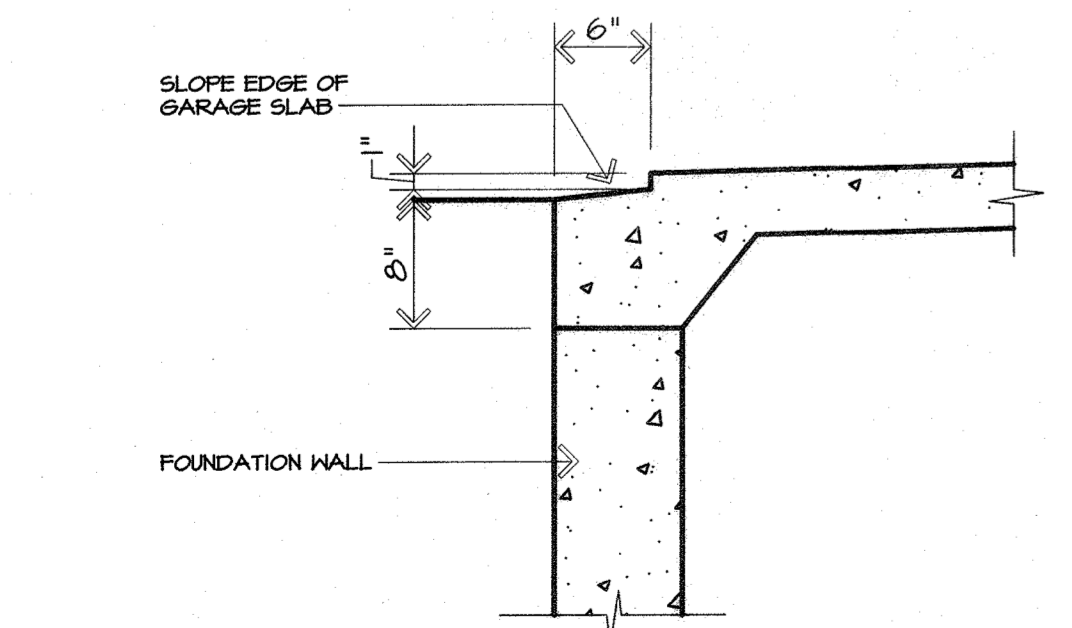
8 TYPICAL STAIR DETAIL

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



9 DECK FRAMING

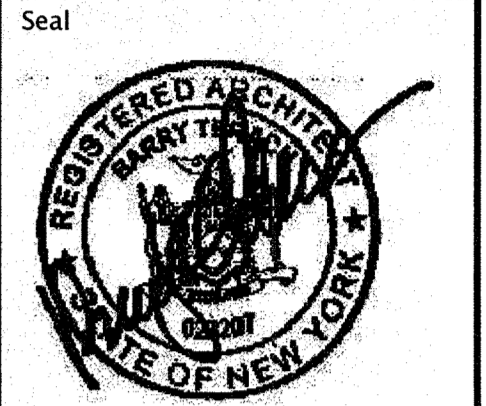
SP-2 SCALE: 1" = 1'-0"



10 SLAB @ O.H. DOOR

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

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SP-2

BUILDING PLANNING

1) ALL CONSTRUCTION MEANS AND METHODS SHALL CONFORM TO THE LATEST EDITION OF THESE BUILDING CODES:

- A) RESIDENTIAL CODE OF NYS
 B) PLUMBING CODE, MECHANICAL CODE & FUEL GAS CODE OF NYS
 C) LOCAL BUILDING ORDINANCES
- 2) ALL HORIZONTAL DIMENSIONS ARE TO FACE OF FRAMING OR FACE OF FURRING. ALL VERTICAL DIMENSIONS ARE TO TOP OF SUBFLOORING OR FACE OF CEILING FRAMING.
- 3) ALL GLAZING IN DOORS AND ENCLOSURES FOR HOT TUBS, WHIRLPOOLS, SAUNAS, STEAM SHOWERS, BATHTUBS AND SHOWERS, AND ALL FIXED OR OPERABLE GLAZING PANELS WITHIN 24" OF A DOOR SHALL BE TEMPERED.
- 4) ALL WALLS OF GARAGE ADJACENT TO HOUSE SHALL BE FACED WITH ONE LAYER OF 5/8" TYPE "X" GYPSUM BOARD ON GARAGE SIDE & ONE LAYER 1/2" TYPE "X" GYPSUM BOARD ON HOUSE SIDE. GARAGE CEILING SHALL BE CONSTRUCTED WITH 5/8" TYPE "X" GYPSUM BOARD. ALL GYPSUM JOINTS FINISHED WITH ONE COAT TAPE AND SPACKLE. MIN. GARAGE DOOR INTO HOUSE SHALL BE 'C' LABEL, 3/4" HR. FIRE RATED.
- 5) STAIRS TO HAVE MAX. 8 1/4" RISERS AND MIN. 9" TREADS + 1/8" NOSING. MINIMUM STAIR HEAD ROOM TO BE 6'-8".
- 6) ALL PLUMBING LINES IN EXTERIOR WALLS OR IN CONCEALED AREAS OR EXPOSED UNHEATED AREA TO BE INSULATED WITH R-5 BATTS MIN.
- 7) DO NOT CUT, DRILL, REMOVE OR DAMAGE STRUCTURAL MEMBERS IN ANY WAY WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT.
- 8) DRILL HOOD WHICH IS LIKELY TO SPLIT BEFORE NAILING, REPLACE ALL SPLIT PIECES.
- 9) CABINETS /CASEWORK TO BE DESIGNED BY OTHERS. CABINET DESIGNER SHALL FIELD MEASURE AREA OF WORK AFTER DRYWALL INSTALLATION FOR PROPER FITTING.

FOUNDATIONS

1) CONCRETE MATERIAL. READY MIXED CONCRETE SHALL HAVE A 28 DAY MIN. COMPRESSIVE STRENGTH (F'c) OF:

2500 psi	BASEMENT WALLS, FOUNDATIONS & OTHER CONCRETE NOT EXPOSED TO WEATHER
2500 psi	BASEMENT SLABS & INTERIOR SLABS ON GRADE, EXCEPT GARAGE SLABS
3000 psi	BASEMENT WALLS, FOUNDATION & OTHER EXTERIOR CONCRETE EXPOSED TO WEATHER
3000 psi	PORCHES, CARPORT SLABS & STEPS EXPOSED TO WEATHER, GARAGE FLOOR SLABS

- 2) CONCRETE POURED FOR BASEMENT WALLS, FOUNDATION WALLS, PORCHES, CARPORT SLABS & GARAGE SLABS, AND ANY OTHER CONCRETE EXPOSED TO THE WEATHER, SHALL BE AIR-ENTRAINED. TOTAL AIR CONTENT (PERCENTAGE) SHALL NOT BE LESS THAN 5% OR MORE THAN 7%.
- 3) FOOTINGS SHALL BE SUPPORTED ON UNDISTURBED NATURAL SOILS OR ENGINEERED FILLS.
- 4) FOOTINGS SHALL BE STEPPED WHERE THE SLOPE OF THE BOTTOM SURFACE OF THE FOOTING WOULD EXCEED 10% (1 VERTICAL, 10 HORIZONTAL).
- 5) SLAB THICKNESS TO BE MINIMUM 4".
- 6) SILL PLATES SHALL BE ANCHORED TO THE FOUNDATION WITH HOT DIPPED GALVANIZED ANCHOR BOLTS AT 6'-0" O.C. WITH A BOLT LOCATED WITHIN 12" OF THE END OF EACH PLATE SECTION. BOLTS SHALL BE A MINIMUM 1/2" DIAMETER AND SHALL EXTEND AT LEAST 10" INTO MASONRY/CONCRETE.
- 7) HOT DIPPED GALVANIZED ANCHOR STRAPS MAY BE USED IF THEY ARE SPACED APPROPRIATELY TO PROVIDE EQUIVALENT ANCHORAGE TO ANCHOR BOLTS.
- 8) BRACE FOUNDATION WALLS ADEQUATELY PRIOR TO BACKFILL.
- 9) TERMITES SHIELD TO BE COPPER WITH 1" THICK FIBERGLASS SILL SEALER GASKET ABOVE AND BELOW FASTEN WITH COPPER NAILS.
- 10) DRAINS SHALL BE PROVIDED AROUND ALL CONCRETE OR MASONRY FOUNDATIONS THAT RETAIN EARTH AND ENCLOSE HABITABLE OR USABLE SPACE LOCATED BELOW GRADE. DRAINS SHALL BE INSTALLED AT OR BELOW THE AREA TO BE PROTECTED AND SHALL DISCHARGE BY GRAVITY OR MECHANICAL MEANS INTO AN APPROVED DRAINAGE SYSTEM. GRAVEL OR CRUSHED STONE DRAINS SHALL EXTEND AT LEAST 1 FOOT BEYOND THE OUTSIDE EDGE OF THE FOOTING AND 6" ABOVE THE TOP OF THE FOOTING AND BE COVERED WITH AN APPROVED FILTER MEMBRANE MATERIAL. PERFORATED PIPES SHALL BE PLACED ON A MIN. 2" OF WASHED GRAVEL OR CRUSHED STONE AT LEAST ONE SLEEVE SIZE LARGER THAN THE PERFORATIONS AND COVERED WITH NOT LESS THAN 6" OF THE SAME MATERIAL. (DRAINAGE SYSTEM IS NOT REQUIRED WHEN FOUNDATION IS INSTALLED ON WELL-DRAINED GROUND ACCORDING TO THE UNIFIED SOIL CLASSIFICATION SYSTEM, GROUP 1 SOILS).

11) ALL FOUNDATION WALLS THAT RETAIN EARTH AND ENCLOSE HABITABLE OR USABLE SPACES LOCATED BELOW GRADE SHALL BE DAMP PROOFED FROM THE TOP OF THE FOOTING TO THE FINISHED GRADE.

12) MASONRY WALLS SHALL BE PARSED WITH AT LEAST 3/8" PORTLAND CEMENT PARINGS APPLIED TO THE EXTERIOR OF THE WALL, THEN RECEIVE A COATING OF ONE OF THE FOLLOWING:

- a) BITUMINOUS COATINGS MADE UP OF 3 LBS. PER SQUARE YARD OF ACRYLIC MODIFIED CEMENT & 1/8" COAT OF SURFACE-BONDING MORTAR.
- b) 2-PLY HOT MOFFED FELTS
- c) 55 lb. ROLL ROOFING
- d) 6 mil POLYVINYL CHLORIDE
- e) 6 mil. POLYETHYLENE
- f) 40 mil. POLYMER-MODIFIED ASPHALT

FRAMING

1) STRUCTURAL STEEL (IF APPLICABLE) TO BE A36 AND RECEIVE ONE COAT OF RUST INHIBITIVE PAINT. ALL PLATES AND CONNECTIONS TO BE DESIGNED BY FABRICATOR.

2) ALL LUMBER MATERIALS SHALL BE NEW, SOUND, DRY MATERIAL FREE FROM DEFECTS AND IMPERFECTIONS WHEREBY THE STRENGTH MAY BE IMPAIRED, AND SHALL BE OF THE SIZES INDICATED ON THE DRAWINGS.

3) ALL STUDS, SILLS AND POSTS SHALL BE SPRUCE-PINE-FIR ALLOWING 75% NO. 1 AND 25% NO. 2 GRADE.

Minimum Stress	(Fb) = 1200 psi
Fiber stress	(Fv) = 45 psi
Horizontal shear	(E) = 1,500,000 psi
Modulus of Elasticity	

4) ALL BEAMS, JOISTS, RAFTERS AND HEADERS SHALL BE KD-NO. 1 DOUGLAS-FIR. 18% MAXIMUM MOISTURE CONTENT, DENSE NO. 1 GRADE OR BETTER UNLESS DRAWINGS CALL FOR ENGINEERED LUMBER.

Minimum Stress	(Fb) = 1450 psi
Fiber stress	(Fv) = 45 psi
Horizontal shear	(E) = 1,700,000 psi
Modulus of Elasticity	

5) OTHER FRAMING LUMBER TO BE NO. 2 SPF.

6) ALL WOOD IN CONTACT WITH CONCRETE OR GROUND SHALL BE NO. 2 GRADE SOUTHERN YELLOW PINE, ACG PRESSURE PRESERVATIVE TREATED.

7) FLOOR JOISTS TO BE DOUBLED BELOW ALL INTERIOR PARTITIONS RUNNING PARALLEL TO THE JOIST FRAMING.

8) SUBFLOOR TO BE CDX PLYWOOD, TONGUE-AND-GROOVE, GLUED AND SCREWED. FLOOR AREAS SCHEDULED FOR CERAMIC TILE FINISH TO HAVE ADDITIONAL LAYER OF 1/2" CDX PLYWOOD SUBSTRATE INSTALLED, WITH 1/2" SUBSTRATE SHEETS RUNNING PERPENDICULAR TO SUBFLOOR SHEETS.

9) MINIMUM FLOOR JOIST BEARING SHALL BE AT LEAST 1/2" ON HOOD AND AT LEAST 3" ON MASONRY OR CONCRETE.

10) FLOOR JOISTS LARGER THAN 2X12 SHALL BE SUPPORTED LATERALLY BY SOLID BLOCKING OR DIAGONAL WOOD OR METAL BRIDGING AT INTERVALS NOT EXCEEDING 6 FEET.

11) THE DIAMETER OF HOLES BORED INTO JOISTS SHALL NOT EXCEED 1/3 THE DEPTH OF THE JOIST, TOP OR BOTTOM, OR TO ANY OTHER HOLE IN THE JOIST.

12) HEADER JOIST SPANS THAT EXCEED 4 FEET IN LENGTH SHALL BE CONSTRUCTED OF DOUBLE JOISTS. HEADER JOIST SPANS EXCEEDING 6 FEET SHALL BE FASTENED WITH HANGERS.

13) WOOD TRUSSES SHALL NOT BE CUT, NOTCHED, SPLICED, OR OTHERWISE ALTERED. TRUSS DESIGN DRAWINGS, PREPARED BY A LICENSED ENGINEER, SHALL BE PROVIDED TO THE CODE ENFORCEMENT OFFICER PRIOR TO INSTALLATION.

14) DRAFTSTOPPING SHALL BE INSTALLED WHEN EITHER A CEILING IS SUSPENDED UNDER THE FLOOR FRAMING OR THE FLOOR FRAMING IS CONSTRUCTED OF TRUSS-TYPE OPEN WEB OR PERFORATED MEMBERS. DRAFTSTOPPING SHALL BE 1/2" GMB, 3/8" WOOD STRUCTURAL PANELS, OR 3/8" TYPE 2-M-H PARTICLE BOARD, AND SHALL DIVIDE THE CONCEALED SPACE OF A FLOOR/CEILING ASSEMBLY SO THAT THE AREA OF THE CONCEALED SPACE DOES NOT EXCEED 1,000 SQ. FT.

15) END JOINTS IN SUBFLOORING SHALL OCCUR OVER SUPPORTS.

16) PARTICLEBOARD USED FOR FLOOR UNDERLAYMENT SHALL BE MIN. 1/4" THICK AND SHALL CONFORM TO TYPE FBV.

17) ALL ENGINEERED LUMBER TO BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS.

18) ALL SIMPSON (OR OTHER) FASTENERS TO BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS.

WALL COVERING

1) VINYL CLAFBOARD SIDING SHALL BE MIN. 0.035" THICK, WITH LAPPED HORIZONTAL JOINTS. SIDING SHALL BE SECURED WITH 1 1/2" LONG 0.120" NAILS OVER PLYWOOD SHEATHING. SHEATHING PAPER IS NOT REQUIRED.

2) CAULK AND/OR SEAL ALL EXPOSED EXTERIOR AND INTERIOR JOINTS DIRECTLY EXPOSED TO WEATHER, INFILTRATION, ADJUTING TWO MATERIALS OR SURFACES, SETTING BEDS, UNDER FLASHING, GAPS IN MATERIALS, ETC.

3) STONE VENEER TO BE CULTURED STONE SIMILATED STONE PRODUCT, MANUFACTURED BY STONE PRODUCTS CORPORATION OR EQUIVALENT. COLOR AND STYLE CHOICES AS PRESENTED BY DEVELOPER. INSTALL AS PER MANUFACTURER'S SPECIFICATIONS INCLUDING THE USE OF METAL LATH AND APPLICATION OVER WOOD STUDS/PLYWOOD, DIRECT MORTAR APPLICATION OVER CONCRETE FOUNDATION.

WALL CONSTRUCTION

1) ALL STUDS SHALL BE 16" O.C. AND SHALL BE TOENAILED UNLESS OTHERWISE NOTED.

2) DOUBLE TOP PLATES SHALL BE LAPPED AT CORNERS, WITH END JOINTS BEING OFFSET AT LEAST 24"

3) STUDS MAY BE NOTCHED MAX 25% OF ITS WIDTH IN A BEARING WALL, MAX 40% OF ITS WIDTH IN A NON-BEARING WALL.

4) ANY STUD MAY BE DRILLED/BORED TO A MAX OF 40% OF ITS WIDTH IF A MIN OF 5/8" IS MAINTAINED FROM STUD FACE, AND HOLE IS NOT LOCATED IN THE SAME SECTION AS A NOTCH/CUT.

5) FIREBLOCKING SHALL BE INSTALLED IN THE FOLLOWING LOCATIONS:

- A) IN CONCEALED SPACES OF STUD WALLS/PARTITIONS AT THE FLOOR/CEILING LEVEL (MAX. CONTINUOUS BAY).
 B) IN CONCEALED HORIZONTAL FURRED SPACES AT 10'-0" MAX. INTERVALS.
 C) AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL & HORIZONTAL SPACES SUCH AS AT SOFFITS, DROP CEILINGS & COVE CEILINGS.
 D) IN CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP & BOTTOM OF A RUN.
 E) AT OPENINGS AROUND VENTS, PIPES & DUCTS AT CEILING AND FLOOR LEVEL.

6) FIREBLOCKING SHALL CONSIST OF 2X LUMBER OR BATTS/BLANKETS OF MINERAL WOOL OR GLASS FIBER INSTALLED IN SUCH A MANNER AS TO BE SECURELY RETAINED IN PLACE. UNFACED FIBERGLASS BATT INSULATION USED AS FIREBLOCKING SHALL FILL THE ENTIRE CROSS-SECTION OF THE HOOL CAVITY TO A MIN. HEIGHT OF 16". INSULATION SHALL BE PACKED TIGHTLY AROUND CONDUIT, PIPING, ECT. WHICH PENETRATES FIREBLOCKING.

7) EXTERIOR SHEATHING ("BRACED WALL PANEL CONSTRUCTION") SHALL BE EITHER:

- A) 1/2" APA-RATED PLYWOOD SHEATHING (STRUCTURAL PANEL SHEATHING)
 B) 1/2" STRUCTURAL FIBERBOARD SHEATHING

HORIZONTAL SHEATHING JOINTS SHALL OCCUR OF MIN. 2X BLOCKING.

8) BRACED WALL PANELS SHALL BEGIN NO MORE THAN 12 1/2 FEET FROM EACH END OF THE BRACED WALL LINE.

9) WOOD STRUCTURAL PANEL WALL SHEATHING MARKED "EXPOSURE 1" OR "EXTERIOR" ARE CONSIDERED WATER REPELLENT SHEATHING UNDER THE CODE.

10) CORROSION-RESISTANT FLASHINGS SHALL BE INSTALLED TO ENSURE PROPER RUNOFF AND WATERPROOFING AT THESE LOCATIONS:

- A) VALLEYS COVERED WITH SHINGLES, MIN. 16" UP EACH SLOPE, TOTAL 36" WIDE
 B) ALL ROOF/WALL INTERSECTIONS, MIN. 12" VERT.
 C) ALL ROOF PENETRATIONS
 D) WINDOW/DOOR HEADS
 E) SILLS AND THRESHOLDS
 F) MASONRY/FRAME WALL INTERSECTIONS
 G) OTHER AREAS AS PER PROPER CONSTRUCTION PRACTICE

11) UNLESS OTHERWISE NOTED, ALL WINDOW AND DOOR HEADERS SHALL BE AS FOLLOWS: EXTERIOR SHALL BE MINIMUM (2) 2X10S, INTERIOR SHALL BE MINIMUM (2) 2X8S.

12) WINDOW ROUGH OPENING HEAD HEIGHTS ARE TO BE SET SO THAT FINISHED DOOR AND WINDOW HEAD CASINGS ARE THE SAME HEIGHT.

PLUMBING FIXTURES

1) MINIMUM PIPE/TRAP SIZING:

	COLD	HOT	TRAP	WASTE	VENT
WATER CLOSET	1/2"	-	INTERNAL	3"	2"
LAVATORIES	1/2"	1/2"	1/4"	2"	1 1/2"
SINKS	1/2"	1/2"	1/2"	2"	1 1/2"
BATHTUBS	1/2"	1/2"	1 1/2"	2"	1 1/2"
SHOWERS	1/2"	1/2"	2"	2"	1 1/2"
DISHWASHERS	-	1/2"	1/4"	1 1/2"	1 1/2"
BIDET	1/2"	3/8"	1/4"	2"	1 1/2"

ROOF-CEILING CONSTRUCTION

1) ATTIC AND CRAWL SPACES SHALL BE VENTED IN PROPORTION OF ONE SQUARE FOOT OF FREE VENT AREA PER 300 SQUARE FEET OF HORIZONTALLY PROJECTED SPACE.

ROOF ASSEMBLIES

1) INSTALL CONTINUOUS SELF-SEALING ROOF UNDERLAYMENT ICE AND WATER SHIELD. INSTALL MIN. 3" WIDTH OF MATERIAL ALONG EACH EAVE, LEAVING SUFFICIENT PROJECTION FOR EDGE-CLAMPING OF THE GUTTER.

FASTENER SCHEDULE FOR STRUCTURAL MEMBERS
TABLE R602.3(1)

DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER <i>abcd</i>	SPACING OF FASTENERS
JOIST TO SILL OR GIRDER, TOE NAIL	3-8d	-
1"x6" SUBFLOOR OR LESS TO EACH JOIST, FACE NAIL	2-8d	-
2" SUBFLOOR TO JOIST OR GIRDER, BLIND AND FACE NAIL	2 staples, 1 3/4"	-
SOLE PLATE TO JOIST OR BLOCKING, FACE NAIL	16d	16" O.C.
TOP OR SOLE PLATE TO STUD, END NAIL	2-16d	-
STUD TO SOLE PLATE, TOE NAIL	3-8d or 2-16d	-
DOUBLE STUDS, FACE NAIL	10d	24" O.C.
DOUBLE TOP PLATES, FACE NAIL	10d	24" O.C.
SOLE PLATE TO JOIST OR BLOCKING AT BRACED WALL PANELS	3-16d	16" O.C.
DOUBLE TOP PLATES, MINIMUM 48 INCH OFFSET OF END JOINTS, FACE NAIL IN LAPPED AREA	8-16d	-
BLOCKING BETWEEN JOISTS OR FASTENERS TO TOP PLATE, TOE NAIL	3-8d	-
RIM JOIST TO TOP PLATE, TOE NAIL	8d	6" O.C.
TOP PLATES, LAP AT CORNERS AND INTERSECTIONS, FACE NAIL	2-10d	-
BUILT-UP HEADER, TWO PIECES WITH 1/2" SPACER	16d	16" O.C. ALONG EACH EDGE
CONTINUED HEADER, TWO PIECES	16d	16" O.C. ALONG EACH EDGE
CEILING JOISTS TO PLATE, TOE NAIL	3-8d	-
CONTINUOUS HEADER TO STUD, TOE NAIL	4-8d	-
CEILING JOISTS, LAPS OVER PARTITIONS, FACE NAIL	3-10d	-
CEILING JOIST TO PARALLEL, RAFTERS, FACE NAIL	3-10d	-
RAFTERS TO PLATE, TOE NAIL	2-16d	-
1" BRACE TO EACH STUD AND PLATE, FACE NAIL	2-8d	-
1"x6" SHEATHING TO EACH BEARING, FACE NAIL	2 staples, 1 3/4"	-
1"x8" SHEATHING TO EACH BEARING, FACE NAIL	2 staples, 1 3/4"	-
WIDER THAN 1"x8" SHEATHING TO EACH BEARING, FACE NAIL	3 staples, 1 3/4"	-
BUILT-UP CORNER STUDS	4 staples, 1 3/4"	24" O.C.
BUILT-UP GIRDERS AND BEAMS, 2 INCH LUMBER LAYERS	10d	NAIL EACH LAYER AS FOLLOWS: 32" O.C. AT TOP AND BOTTOM AND STAGGERED; 16" NAILS AT ENDS AND AT EACH SPLICE
2" PLANKS	2-16d	AT EACH BEARING
ROOF RAFTERS TO RIDGE, VALLEY OR HIP RAFTERS, TOE NAIL	4-16d	-
FACE NAIL	3-16d	-
RAFTER TIE TO RAFTERS, FACE	3-8d	-

WOOD STRUCTURAL PANELS, SUBFLOOR, ROOF AND WALL SHEATHING TO FRAMING, AND PARTICLEBOARD WALL SHEATHING TO FRAMING			
5/16-1/2	8d COMMON NAIL (SUBFLOOR, WALL) OR 8d COMMON NAIL (ROOF)	6	12 (g)
1/2-3/4	8d COMMON NAIL	6	12 (g)
1/2-1 1/4	10d COMMON NAIL OR 8d DEFORMED NAIL	6	12

OTHER WALL SHEATHING_h

DESCRIPTION OF BUILDING MATERIALS	DESCRIPTION OF FASTENER <i>bcde</i>	SPACING OF FASTENERS	
		EDGES (INCHES) ¹	INTERMEDIATE SUPPORTS ¹
1/2" REGULAR CELLULOSIC FIBERBOARD SHEATHING	1 1/2 GALVANIZED ROOFING NAIL, 8d COMMON NAIL STAPLE (eggs, 1 1/2 LONG)	3	6
1/2 STRUCTURAL CELLULOSIC FIBERBOARD	1 1/2 GALVANIZED ROOFING NAIL, 8d COMMON NAIL STAPLE (eggs, 1 1/2 LONG)	3	6
SHEATHING 25/32 STRUCTURAL CELLULOSIC FIBERBOARD SHEATHING	1 3/4 GALVANIZED ROOFING NAIL, 8d COMMON NAIL STAPLE (eggs, 1 1/2 LONG)	3	6
1/2 GYPSUM SHEATHING	1 1/2 GALVANIZED ROOFING NAIL, 8d COMMON NAIL STAPLE GALVANIZED, 1 1/2 LONG; 1 1/4 SCREWS, TYPE W OR S	4	8
5/8 GYPSUM SHEATHING	1 3/4 GALVANIZED ROOFING NAIL, 8d COMMON NAIL STAPLE GALVANIZED, 1 5/8 LONG; 1 5/8 SCREWS, TYPE W OR S	4	8

WOOD STRUCTURAL PANELS, COMBINATION SUBFLOOR UNDERLAYMENT TO FRAMING			
3/4 AND LESS	8d DEFORMED NAIL OR 8d COMMON NAIL	6	12
1/2-1	8d COMMON NAIL OR 8d DEFORMED NAIL	6	12
1 1/2-1 1/4	10d COMMON NAIL OR 8d DEFORMED NAIL	6	12

FOR 5/16-1/2 INCH = 25.4, 1 FOOT = 304.8 MM, 1 MILE PER HOUR = 1.60934 KM/H

A. ALL NAILS ARE SMOOTH - COMMON, BOX OR DEFORMED SHANKS EXCEPT WHERE OTHERWISE STATED. NAILS USED FOR FRAMING AND SHEATHING CONNECTIONS SHALL HAVE MINIMUM AVERAGE BENDING YIELD STRENGTHS AS FOLLOWS: 80 KSI (851 MPA) FOR SHANK DIAMETER OF 0.142" (20G COMMON NAIL), 40 KSI (620 MPA) FOR SHANK DIAMETERS LARGER THAN 0.142" BUT NOT LARGER THAN 0.171", AND 100 KSI (684 MPA) FOR SHANK DIAMETERS OF 0.142" OR LESS.

B. STAPLES ARE 16 GAGE WIRE AND HAVE A MINIMUM 7/16" INCH ON DIAMETER CROWN WIDTH.

C. NAILS SHALL BE SPACED AT NOT MORE THAN 6" ON CENTER AT ALL SUPPORTS WHERE SPANS ARE 48 INCHES OR GREATER.

D. FOUR- FOOT - BY - 8 FOOT OR 4-FOOT-BY-4 FOOT PANELS SHALL BE APPLIED VERTICALLY.

E. SPACING OF FASTENERS NOT INCLUDED IN THIS TABLE SHALL BE BASED ON TABLE R602.3(1).

F. FOR REGIONS HAVING BASIC WIND SPEED OF 110 MPH OR GREATER, 8d DEFORMED NAILS SHALL BE USED FOR ATTACHING FLYWOOD AND WOOD STRUCTURAL PANEL ROOF SHEATHING TO FRAMING WITHIN MINIMUM 48- INCH DISTANCE FROM GABLE END WALLS, IF MEAN ROOF HEIGHT IS MORE THAN 25 FEET, UP TO 35 FEET MAXIMUM.

CENTER FOR MINIMUM 48-INCH BASE DISTANCE FROM RIDGES, EAVES AND GABLE END WALLS, AND 4 INCHES ON CENTER TO GABLE END WALL FRAMING.

H. GYPSUM WALL SHEATHING SHALL CONFORM TO ASTM C 74 AND SHALL BE INSTALLED IN ACCORDANCE WITH GA 253. FIBERBOARD SHEATHING SHALL CONFORM TO ASTM C 208.

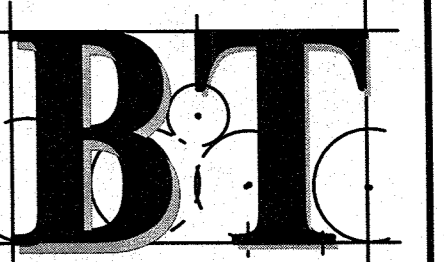
I. SPACING OF FASTENERS ON FLOOR SHEATHING PANEL EDGES APPLIES TO PANEL EDGES SUPPORTED BY FRAMING MEMBERS AND AT ALL FLOOR PERIMETERS ONLY. SPACING OF FASTENERS ON ROOF SHEATHING PANEL EDGES APPLIES TO PANEL EDGES SUPPORTED BY FRAMING MEMBERS AND AT ALL ROOF PLANE PERIMETERS. BLOCKING OF ROOF OR FLOOR SHEATHING PANEL EDGES PERPENDICULAR TO THE FRAMING MEMBERS SHALL NOT BE REQUIRED EXCEPT AT INTERSECTION OF ADJACENT ROOF PLANES, FLOOR AND ROOF PERIMETER SHALL BE SUPPORTED BY FRAMING MEMBERS OR SOLID BLOCKING.

J. ALL FASTENERS USED ON ACG TREATED LUMBER ARE TO BE HOT DIPPED GALVANIZED OR STAINLESS STEEL.

K. HOT DIPPED GALVANIZED HANGERS AND PLATES ARE TO BE USED WITH ACG TREATED LUMBER (2"X4 BY SIMPSON OR EQUAL)

L. COPPER FLASHING IS REQUIRED WITH ACG TREATED LUMBER. COPPER NAILS ARE TO BE USED TO FASTEN COPPER FLASHING AND OTHER COPPER ITEMS.

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Revisions:

Project No. CAS 2162

Date: 11/12/21

Drawn By: DS

Reviewed By: BT

Sheet Number:

SP-3