

**GENERAL NOTES:**

1. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND PAYING FOR ALL PERMITS REQUIRED FOR THIS PROJECT.
2. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR MEANS, METHODS, TECHNIQUES, SEQUENCING, SCHEDULING AND SAFETY FOR THIS PROJECT.
3. ALL WORK SHALL BE PERFORMED IN CONFORMANCE TO THE MASSACHUSETTS STATE BUILDING CODE AND ALL OTHER APPLICABLE CODES AND LAWS.
4. THE CONTRACTOR SHALL VISIT THE SITE AND BE THOROUGHLY ACQUAINTED WITH THE PROJECT PRIOR TO SUBMITTING A PRICE. ADDITIONAL MONEY WILL NOT BE GRANTED FOR WORK NOT CLARIFIED PRIOR TO BIDDING. SPECIFICATIONS OR FIELD CONDITIONS TO THE ARCHITECTIVE SHALL BE.
5. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES BETWEEN DRAWINGS, SPECIFICATIONS OR FIELD CONDITIONS TO THE ARCHITECT IMMEDIATELY.
6. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY WORK DAMAGED BY HIS FORCES WHILE PERFORMING THIS CONTRACT.
7. THE CONTRACTOR SHALL WARRANT HIS WORK FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL COMPLETION.

**FOUNDATION NOTES:**

1. ALL FOUNDATION FOOTINGS SHALL BE CARRIED DOWN TO A MINIMUM OF 4'-0" BELOW FINISH GRADE, OR DEEPER, IF NECESSARY, TO OBTAIN A SAFE SOIL BEARING PRESSURE OF 2 TONS PER SQUARE FOOT. FOUNDATION DESIGN IS BASED ON ASSUMED SOIL BEARING CAPACITY OF 2 TONS PER SQUARE FOOT.
2. ALL FOOTINGS SHALL BE PLACED ON UNDISTURBED SOIL, OR, ON ENGINEERED BANK RUN GRAVEL FILL VERTICAL WITH A MINIMUM DRY DENSITY OF 95%.
3. ALL FOOTING SHALL BE REINFORCED IN THE DRY ONLY.
4. NO FOOTING SHALL BE REINFORCED ON PROZEN GROUND.
5. THE MINIMUM REINFORCING FOR ALL FOUNDATION WALLS SHALL BE 2-#6 BARS AT THE TOP AND BOTTOM, CONTINUOUS, OR, AS SHOWN ON DRAWINGS.
6. LAP ALL BARS 40 DIAMETERS AND PROVIDE CORNER BARS.
7. ALL REINFORCEMENT AS PER AISI-60, W/IF AISI.

**CONCRETE NOTES:**

1. ALL CONCRETE SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI.
2. VARIATION SLUMP SHALL NOT EXCEED 2"; AND VARIATION COARSE AGGREGATE SIZE SHALL NOT EXCEED 3/4" IN DIAMETER.
3. ALL CONCRETE SLABS SHALL BE REINFORCED IN 900 SQUARE FOOT PANELS, VARIATION, OR, PROVIDE CONTROL JOINTS BY SAW CUTTING THE SLAB WHILE THE CONCRETE IS STILL GREEN.

**STEEL NOTES:**

1. ALL COLUMNS: A36, STEEL PIPE, A46 STEEL TUBE.
2. BOLTS: A325, ANCHOR BOLTS: A307.

**WOOD LINTEL SCHEDULE:**

Lintel over openings in bearing walls shall be as follows or as noted on drawings.

Span of opening:	Size: 2x6 studs	Size: 2x4 studs
less than 4'-0"	3 - 2x4	2 - 2x4
up to 6'-0"	3 - 2x6	2 - 2x6
up to 8'-0"	3 - 2x8	2 - 2x8
up to 10'-0"	3 - 2x10	2 - 2x10

**REINFORCING NOTES:**

1. ALL REINFORCEMENT, EXCEPT FOR TIES AND STIRRUPS, SHALL CONFORM TO ASTM 616-60.
2. ALL REINFORCEMENT FOR TIES AND STIRRUPS SHALL CONFORM TO ASTM 616-40.
3. ALL WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185-70 SPECIFICATIONS.
4. ALL REINFORCEMENT SHALL BE INSPECTED AND APPROVED BY THE ARCHITECT OR HIS ENGINEER PRIOR TO THE PLACEMENT OF ANY CONCRETE.
5. THE CONTRACTOR SHALL SUBMIT A REPRODUCIBLE SET OF FOUR PRINTS OF SHOP DRAWINGS, SHOWING ALL REINFORCING DETAILS, CHAIR BARS, HIGH CHAIRS, SLAB BOLSTERS, ETC., TO THE ARCHITECT FOR HIS APPROVAL. THE CONTRACTOR SHALL RECEIVE WRITTEN APPROVED SHOP DRAWINGS FROM THE ARCHITECT OR HIS ENGINEER PRIOR TO THE FABRICATION OF REINFORCEMENT.
6. CLEARANCES OF MAIN REINFORCING FROM ADJACENT CONCRETE SURFACES SHALL BE AS FOLLOWS:
  - A. FOOTINGS: 3 INCHES
  - B. SIDES OF FOUNDATION WALLS, EXPOSED FACES OF FOUNDATIONS, SIDES OF COLUMNS/PILERS, SLABS ON GRADE FROM TOP SURFACE: 2 INCHES
  - C. INTERIOR FACES OF FOUNDATIONS, TOP REINFORCING IN SLABS EXPOSED TO THE WEATHER: 1 1/2 INCHES
  - D. TOP STEEL OF INTERIOR SLABS: 1 INCHES
7. VARIATION DEVIATION FROM THESE REQUIREMENTS SHALL BE 1/4" OF SECTIONS 10" OR LESS, 1/2" FOR SECTIONS GREATER THAN 10".

**WOOD NOTES:**

1. ALL LUMBER SHALL HAVE A MOISTURE CONTENT OF NOT MORE THAN 19%.
2. ALL FRAMING LUMBER SHALL BE #2 HEV-FIR, OR BETTER, HAVING A MINIMUM: FB=1,200 PSI, FV=70 PSI, E=1,300,000 PSI.
3. ALL LEVEL LUMBER JOINTS ON PLANS SHALL HAVE A MINIMUM: FB=2,600 PSI, FV=285 PSI, E=1,900,000 PSI.
4. ALL JOIST SPANS SHALL HAVE ONE ROW OF 1" X 3" CROSS BRIDGING AT MID SPAN AND NOT MORE THAN 8'-0" O.C.
5. ALL SUD BEARING WALLS SHALL HAVE ONE ROW OF 2X HORIZONTAL BRACING AT 1/2 SUD HEIGHT, AND NOT MORE THAN 6'-0" O.C. VARIATION.
6. PROVIDE AND INSTALL ALL NECESSARY TIE-BACKS WITH ADEQUATE STRENGTH.
7. PROVIDE SOLID JOIST BELOW PARTITIONS PARALLEL TO JOIST FRAMING.
8. PROVIDE SOLID BRIDGING BELOW PARTITIONS PERPENDICULAR TO JOIST FRAMING.
9. PROVIDE SOLID BRIDGING BETWEEN JOIST FRAMING MEMBERS WHEN BEARING ON SUD PARTITIONS OR BEAMS.
10. PROVIDE A CONTINUOUS BAND JOIST AT EXTERIOR SUD WALLS.
11. PROVIDE DIAGONAL METAL STRAP BRACING AT ALL CORNERS AND WALL INTERSECTIONS, AT THE INSIDE FACE OF SUDS, FROM TOP PLATE TO FLOOR PLATE AT 45°, SIMPSON TYPE "CMB", OR EQUAL.
12. ALL BUILT-UP BEAMS SHALL BE BOLTED WITH 1/2" DIAMETER BOLTS, MEETING A307 STANDARDS, OR, AS NOTED ON DRAWINGS.

NOTE: THERE HAS BEEN NO SOIL TESTING PROVIDED TO THIS OFFICE FOR THIS PROJECT. THE SOIL BEARING CAPACITY OF THIS FOUNDATION SYSTEM AS DESIGNED IS BASED ON A 2 TON VARIATION SOIL BEARING CAPACITY. IF A SUITABLE SOIL THAT CAN NOT WITHSTAND A 2 TON BEARING CAPACITY IS NOT AVAILABLE, THEN THIS OFFICE SHOULD BE CONTACTED BY THE CONTRACTOR OR OWNER FOR A FOUNDATION REDESIGN.

# PROPOSED SINGLE FAMILY 20 MONTMORENCI AVENUE EAST BOSTON, MASSACHUSETTS

Location  
  
 PROPOSED SINGLE FAMILY  
 20 MONTMORENCI AVENUE  
 EAST BOSTON, MA

**Choo  
& Company, Inc.**

One Billings Road Quincy, MA 02171  
617-786-7727 Fax 617-786-7715

No.	Revision Date

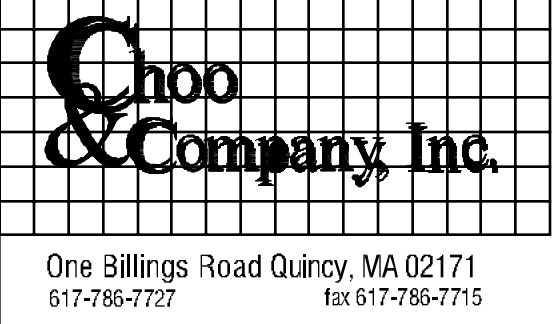
Project No. 29214  
 Scale: AS NOTED  
 Date: 10-06-09  
 Drawn By: SL

Drawings Name  
  
 COVER SHEET

Sheet No.  
  
A-0

KEY	CODE SUMMARY
☉	SMOKE DETECTOR
⊙	HEAT DETECTOR
⊗	CARBON MONOXIDE DETECTOR
⊠	FAN
NEW TYPE 5B CONSTRUCTION 2 STORIES R-3 USE GROUP IF-4000 (ARTICLE 35)	

PROPOSED SINGLE FAMILY  
20 MONTMORENCI AVENUE  
EAST BOSTON, MA

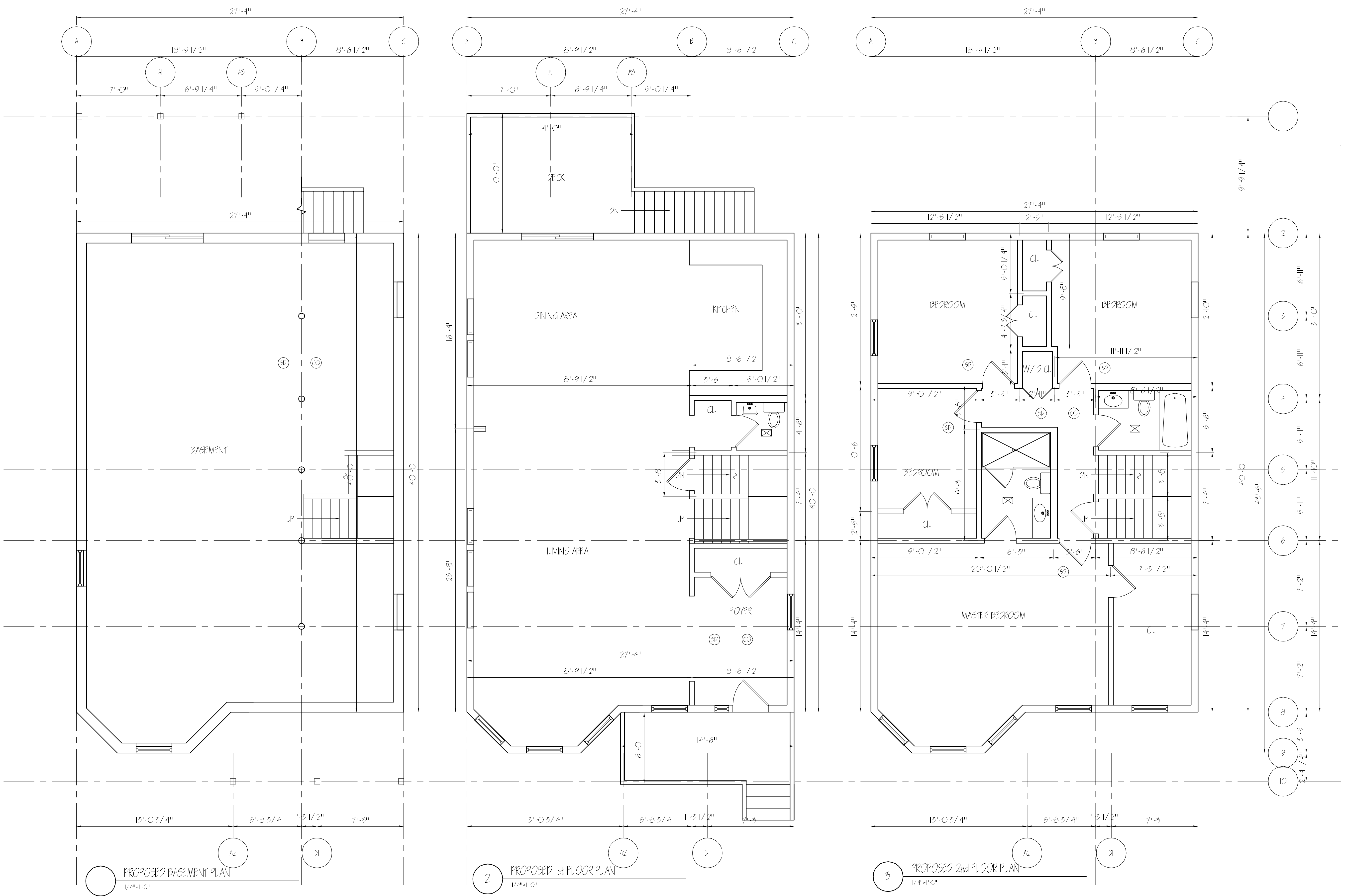


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Drawing Name  
**PROPOSED PLANS**

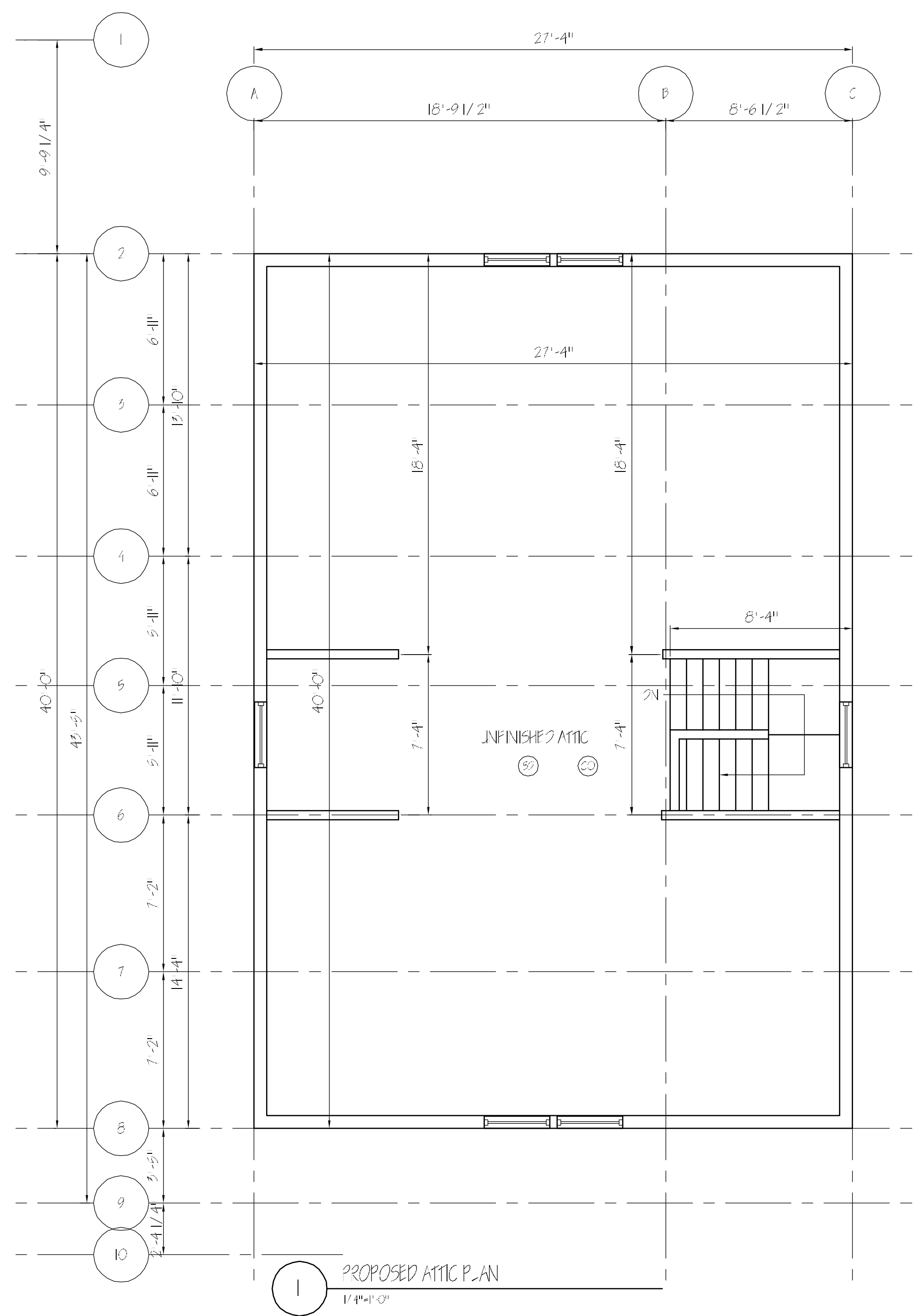
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**A-1.1**



1 PROPOSED BASEMENT PLAN  
1/4"=1'-0"

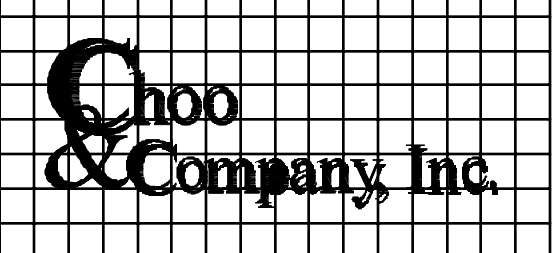
2 PROPOSED 1st FLOOR PLAN  
1/4"=1'-0"

3 PROPOSED 2nd FLOOR PLAN  
1/4"=1'-0"



Location

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 20 MONTMORENCI AVENUE  
 EAST BOSTON, MA



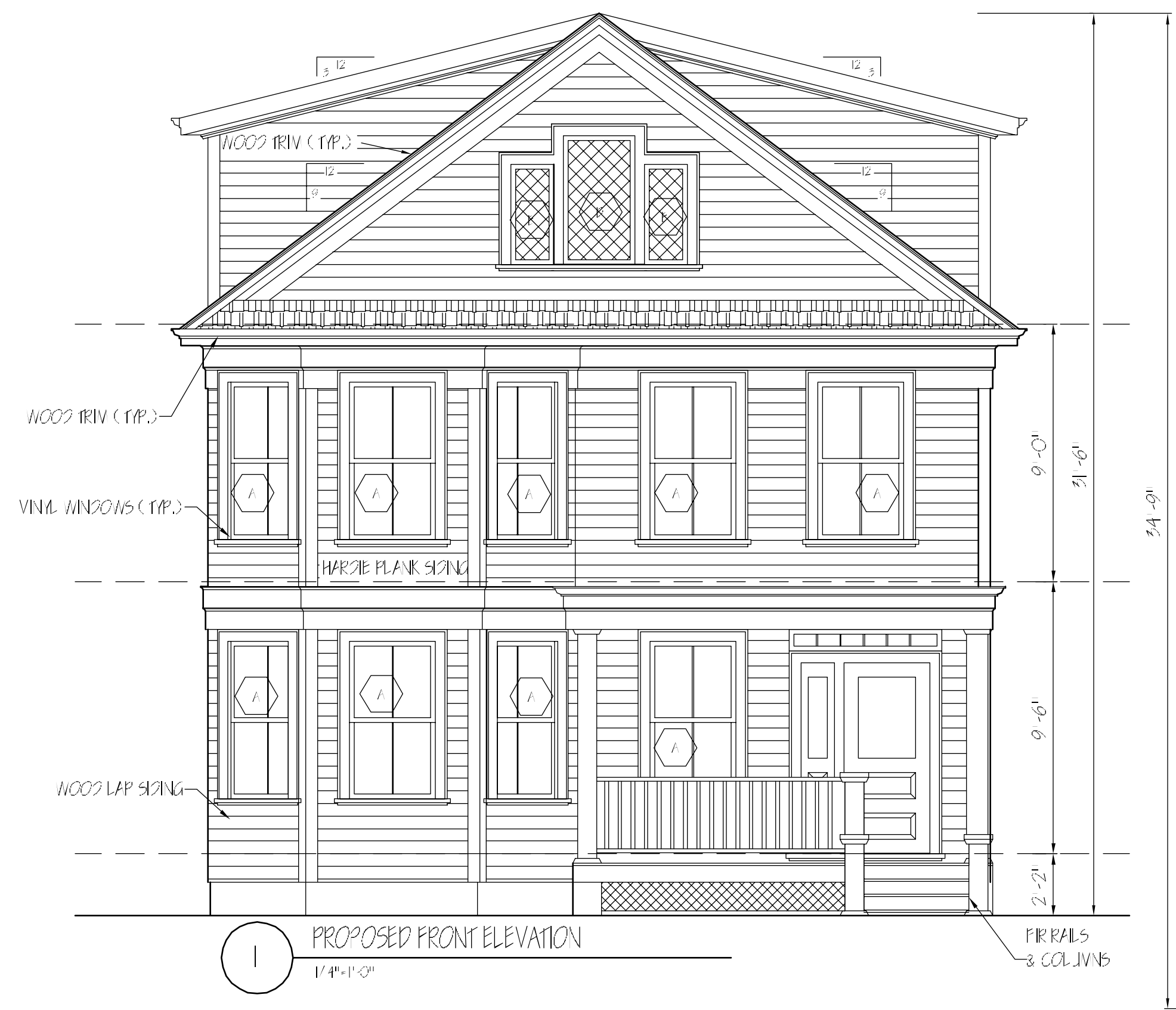
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Drawing Name  
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 PLANS

Sheet No.  
 A-1.2



1 PROPOSED FRONT ELEVATION  
1/4"=1'-0"



2 PROPOSED RIGHT SIDE ELEVATION  
1/4"=1'-0"

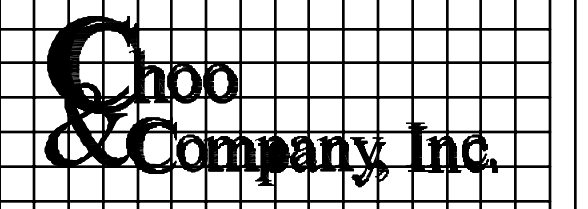


1 PROPOSED LEFT SIDE ELEVATION  
1/4"=1'-0"



2 PROPOSED REAR ELEVATION  
1/4"=1'-0"

Location  
**PROPOSED SINGLE FAMILY**  
20 MONTMORENCI AVENUE  
EAST BOSTON, MA



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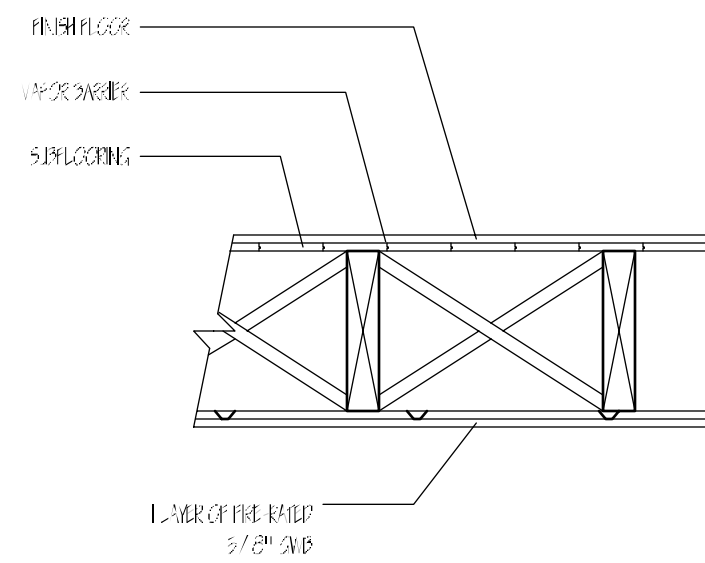
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Project No. 29214  
Scale: AS NOTED  
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Drawing Name  
**PROPOSED PLANS**

Sheet No.  
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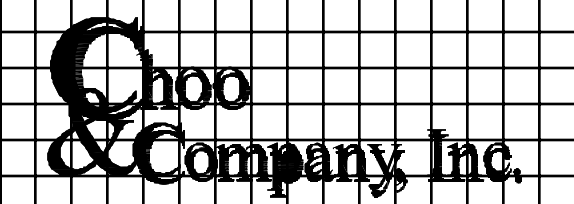
CEILING TYPES (C.T.)



1 | HOUR C.T. TYPE (#L535)  
SCALE: 1/4"=1'-0"

Location

PROPOSED SINGLE FAMILY  
20 MONTMORENCI AVENUE  
EAST BOSTON, MA



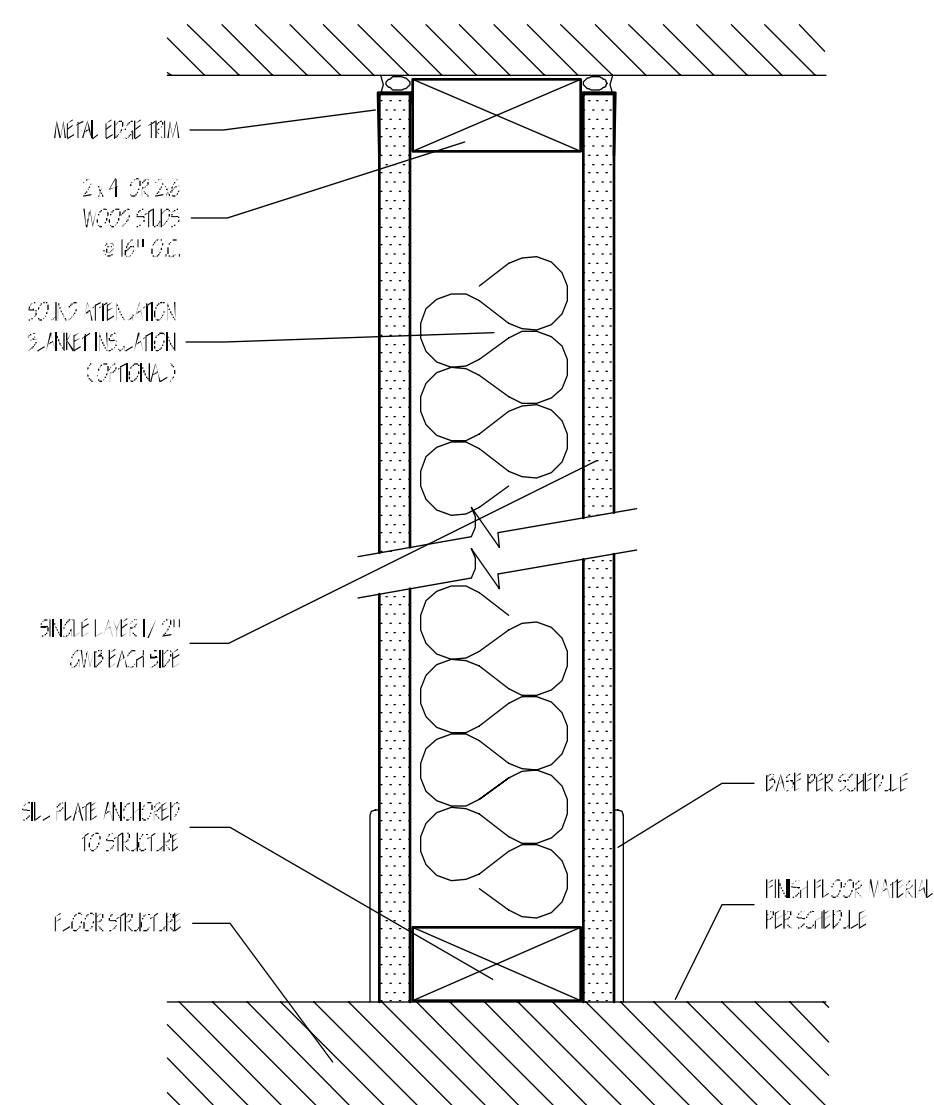
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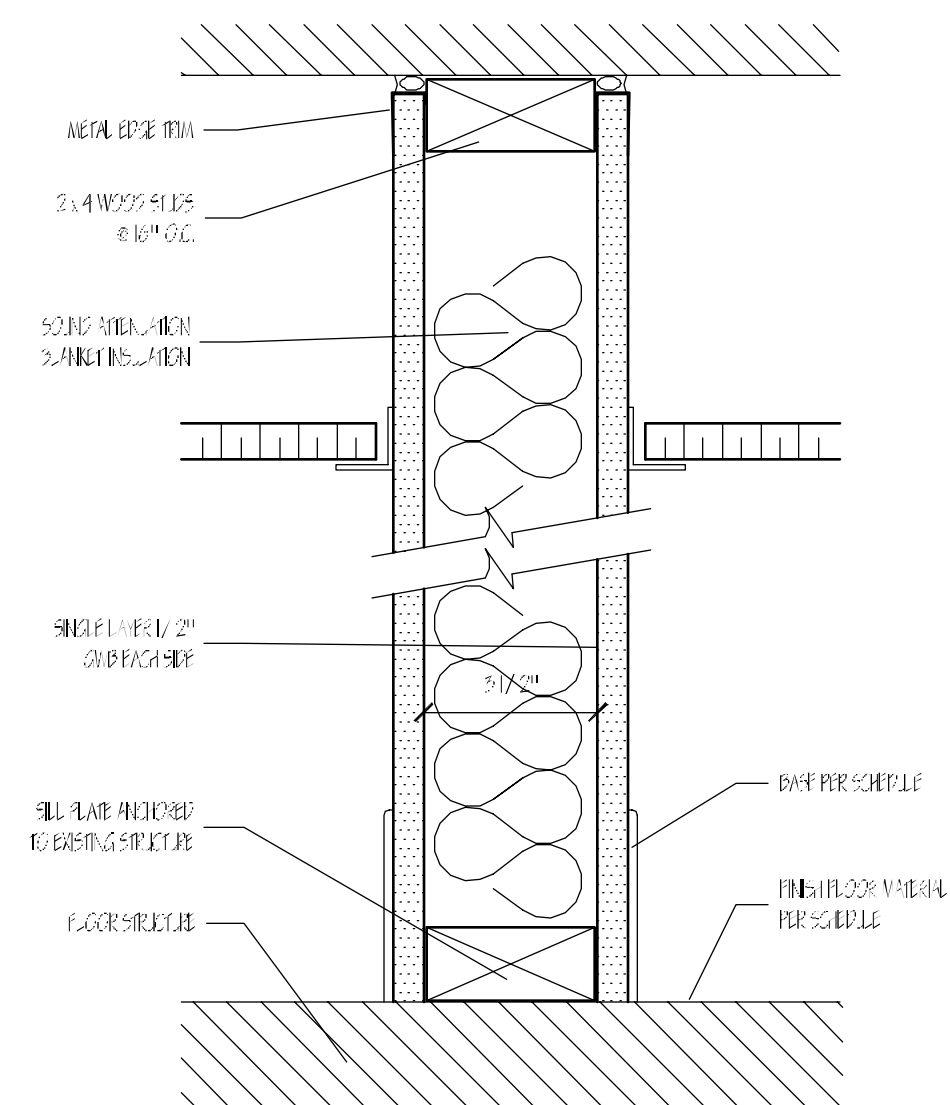
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Drawing Name  
PROPOSED PLANS  
Sheet No.

A-3.1



0 | TYPICAL PARTITION - WOOD STUD  
SCALE: 3/8"=1'-0"

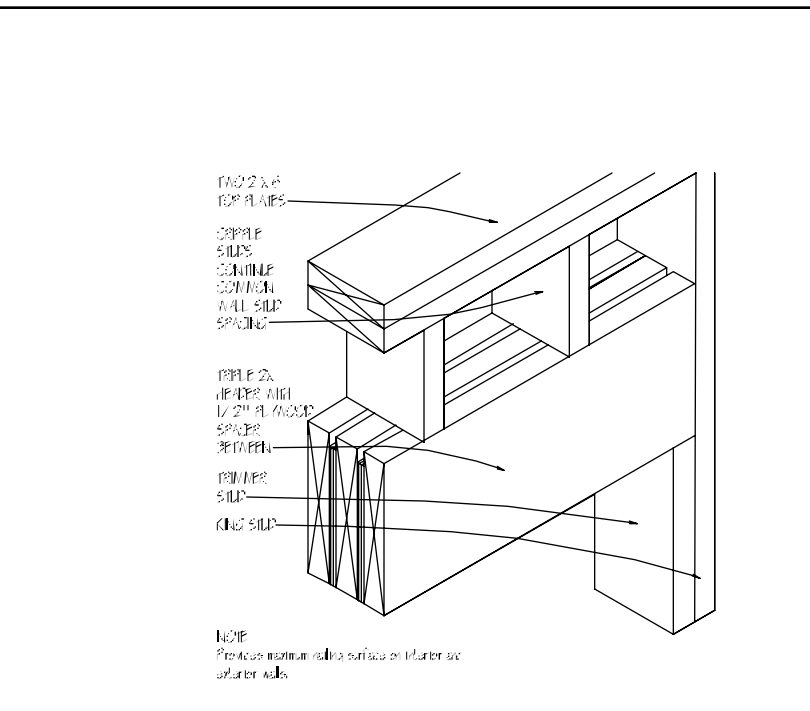


1 | 1 HOUR PARTITION - WOOD STUD DESIGN # 304 (SIC=34)  
SCALE: 3/8"=1'-0"

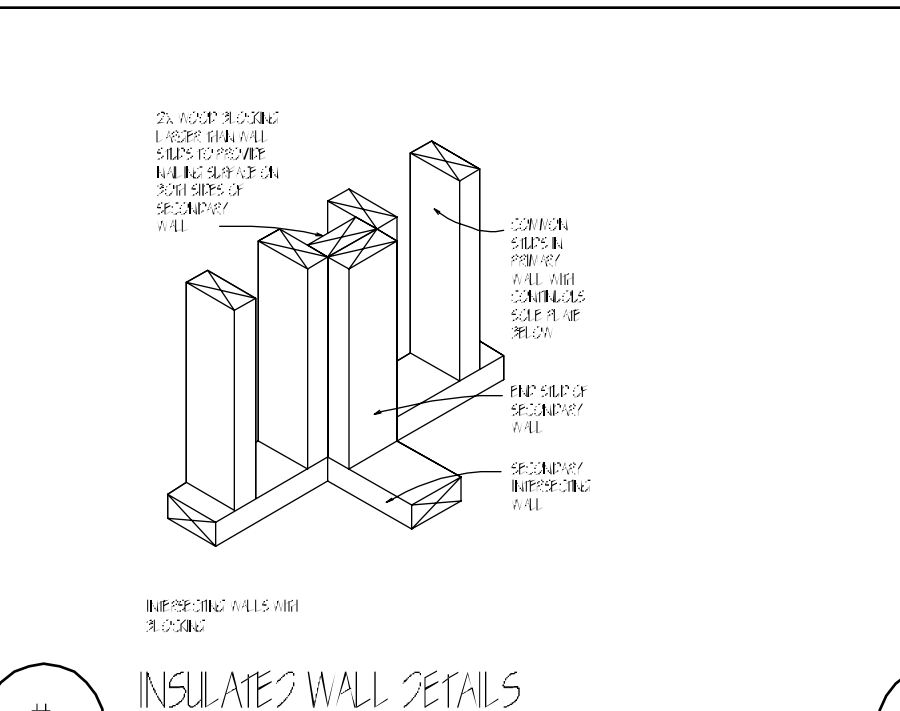
RECOMMENDED FASTENING SCHEDULE

BUILDING ELEMENT	NAIL SIZE AND TYPE	NUMBER AND LOCATION
SUB TO SCHEMATIC	16P COMMON	4 TOP-NAIL OR 2 DIRECT-NAIL
SUB TO SCHEMATIC	16P COMMON	2 TOP-NAIL OR 2 DIRECT-NAIL
BOUNT SHELS	16P COMMON	12" O.C. DIRECT
CORNER SHELS	16P COMMON	24" O.C. DIRECT
SOLE PLATE TO JOIST OR GIRDER	16P COMMON	16" O.C.
BOUNT SCHEMATIC	16P COMMON	16" O.C. DIRECT
C/F PLATE SCHEMATIC	16P COMMON	2 DIRECT-NAIL
BRICK SHEET 2" ON EDGE	16P COMMON	2 PER DIRECT-FRAMING
BRICK SHEET 6" ON EDGE	16P COMMON	2 PER DIRECT-FRAMING
ROOF SHEET TO PLATE	16P COMMON	2 TOP-NAIL
JOIST BRIFER TO BRIFER	16P COMMON	2 TOP-NAIL OR 2 DIRECT-NAIL
JOIST BRIFER TO *F	16P COMMON	2 TOP-NAIL OR 2 DIRECT-NAIL
FLOOR JOIST TO SHELS (NO CHILING JOIST)	16P COMMON	2 DIRECT OR 3 DIRECT
FLOOR JOIST TO SHELS (WITH CHILING JOIST)	16P COMMON	2 DIRECT
FLOOR JOIST TO SUB OR SHELS	16P COMMON	2 TOP-NAIL
CHILING JOIST TO PLATE	16P COMMON	2 PER DIRECT
CHILING JOIST CLIPS OVER PARTITION	16P COMMON	2 DIRECT-NAIL
CHILING JOIST OVER WALL TO BRIFER	16P COMMON	2 DIRECT
CORNER PLATE	16P COMMON	2 DIRECT
BRIFER TO JOIST	16P COMMON	2 PER DIRECT-FRAME
BRIFER TO JOIST (NO SHELL TO SHELL PLATE)	16P COMMON	2 PER DIRECT-FRAMING
BILL BOARD TO BRIFER (WITH BILL BOARD BRIFER)	20P COMMON	1 PER HANG 4 SO FT FLOOR AREA
BRIFER BRIFER TO BRIFER	20P COMMON	1 PER HANG 8 SO FT FLOOR AREA
*F ROOF BRIFER TO SHELL (WITH 2" N. WEDGE)	16P COMMON	2 PER DIRECT-FRAME
*F SUB-ROOFING (WITH 2" N. WEDGE)	16P COMMON	2 PER DIRECT-JOIST
*F SUB-ROOFING (WITH 2" N. WEDGE)	16P COMMON	2 PER DIRECT-JOIST
*F WALL SHELLING (WITH 2" N. WEDGE)	16P COMMON	2 PER DIRECT-SHELL
*F WALL SHELLING (WITH 2" N. WEDGE)	16P COMMON	2 PER DIRECT-SHELL
*F WOOD ROOF & WALL SHELLING (17/2" O.D.S.S.) (5/8" OR 3/4" WEDGE)	16P COMMON 16 GULGE SHELLING W/ 5/8" WEDGE 16 MINIMUM CROWN - 1 PER SHELL PLUS 16 WEDGE	6" O.C. DIRECT BRIFER & 12" O.C. DIRECT BRIFER 6" O.C. DIRECT BRIFER & 12" O.C. DIRECT BRIFER
*F WOOD SUB-ROOFING (17/2" O.D.S.S.) (5/8" OR 3/4" WEDGE)	16P COMMON OR 8P ANNUAL OR SPREAD BRIFER 16P COMMON OR 8P ANNUAL OR SPREAD BRIFER 16P COMMON OR 8P ANNUAL OR SPREAD BRIFER 16P COMMON OR 8P ANNUAL OR SPREAD BRIFER	6" O.C. DIRECT BRIFER & 12" O.C. DIRECT BRIFER 6" O.C. DIRECT BRIFER & 12" O.C. DIRECT BRIFER 6" O.C. DIRECT BRIFER & 12" O.C. DIRECT BRIFER 6" O.C. DIRECT BRIFER & 12" O.C. DIRECT BRIFER
*F WOOD SUB-ROOFING (17/2" O.D.S.S.) (5/8" WEDGE)	16P COMMON OR 8P ANNUAL OR SPREAD BRIFER 16P COMMON OR 8P ANNUAL OR SPREAD BRIFER 16P COMMON OR 8P ANNUAL OR SPREAD BRIFER 16P COMMON OR 8P ANNUAL OR SPREAD BRIFER	6" O.C. DIRECT BRIFER & 12" O.C. DIRECT BRIFER 6" O.C. DIRECT BRIFER & 12" O.C. DIRECT BRIFER 6" O.C. DIRECT BRIFER & 12" O.C. DIRECT BRIFER 6" O.C. DIRECT BRIFER & 12" O.C. DIRECT BRIFER
BRIFER TO SHELS AND BRIFER	20P COMMON	2 2" O.C. DIRECT
CONTINUOUS BRIFER TO SHELL	16P COMMON	4 TOP-NAIL
CONTINUOUS BRIFER TO SHELS	16P COMMON	16" O.C. DIRECT
17/2" DIRECT ROOF SHELLING	11/2" GULGE SHELLING ROOFING GULGE OR 16 GULGE SHELLING 11/2" LONG MINIMUM CROWN OF 7/16"	6" O.C. DIRECT BRIFER & 12" O.C. DIRECT BRIFER
26/22" DIRECT ROOF SHELLING	15/4" GULGE SHELLING ROOFING GULGE OR 16 GULGE SHELLING 11/2" LONG MINIMUM CROWN OF 7/16"	6" O.C. DIRECT BRIFER & 12" O.C. DIRECT BRIFER
4/8" SHELL SHELLING	12 GULGE SHELLING 11/2" LONG MINIMUM CROWN OF 7/16"	6" O.C. DIRECT BRIFER & 12" O.C. DIRECT BRIFER
BRIFER ROOF SHELLING (WITH 1/4" 5/4")	16P COMMON OR 8P ANNUAL OR SPREAD BRIFER	6" O.C. DIRECT BRIFER & 12" O.C. DIRECT BRIFER
BRIFER ROOF SHELLING AND WALL SHELLING 17/2" O.D.S.S.	16P COMMON	6" O.C. DIRECT BRIFER & 12" O.C. DIRECT BRIFER
6/8" OR SHELL SHELLING	16P COMMON	6" O.C. DIRECT BRIFER & 12" O.C. DIRECT BRIFER
BRIFER ROOF SHELLING (5/8" OR 3/4" WEDGE)	16P COMMON	6" O.C. DIRECT BRIFER & 12" O.C. DIRECT BRIFER
SHIFTER WOOD	NO. 14 BBS GULGE COMMON BRIFER	2 PER SHELLING
BRIFER SHELLING	16P COMMON	2 PER SHELLING

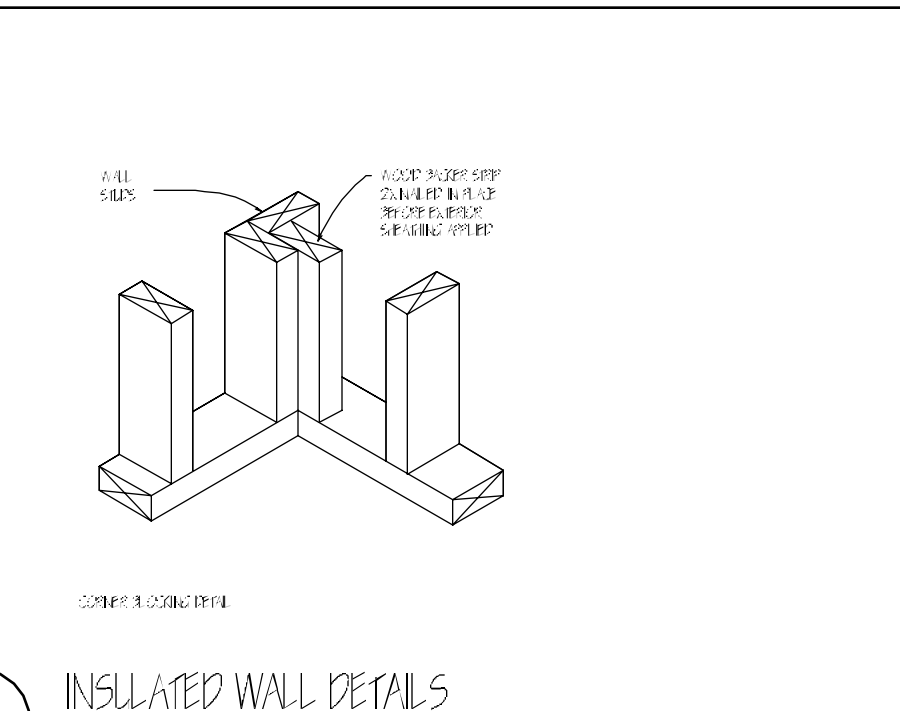
NOTE: SHELL NAILS SHALL PENETRATE 1" OR LESS INTO 5/4" N. COMMON BRIFER SHELLING OR SUPPORTING COLLECTION PLATE/SUPPORT BRIFER IN 7/8" OR 12/16" A.A.



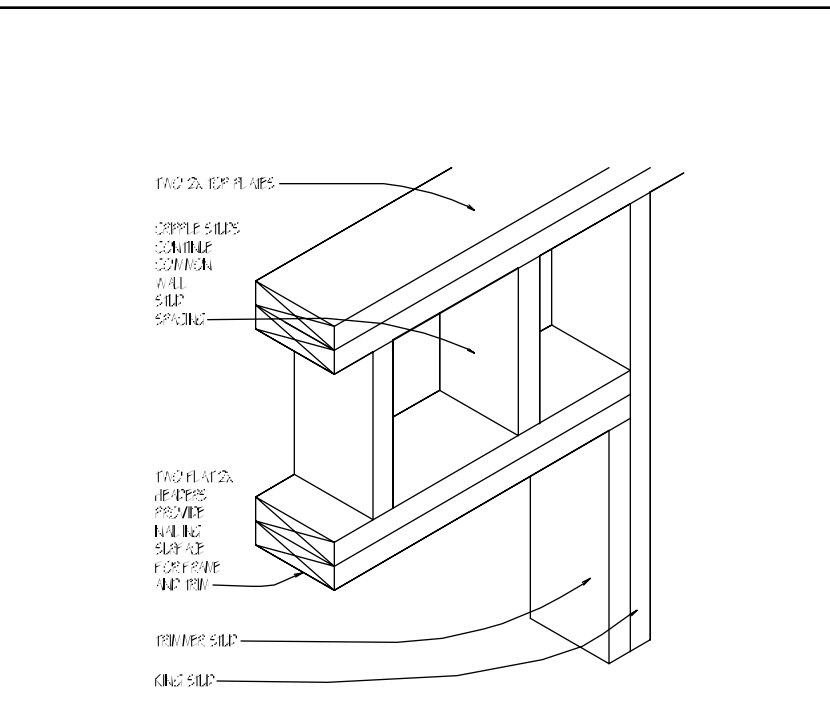
# 2x6 BEARING WALL HEADER DETAIL NS



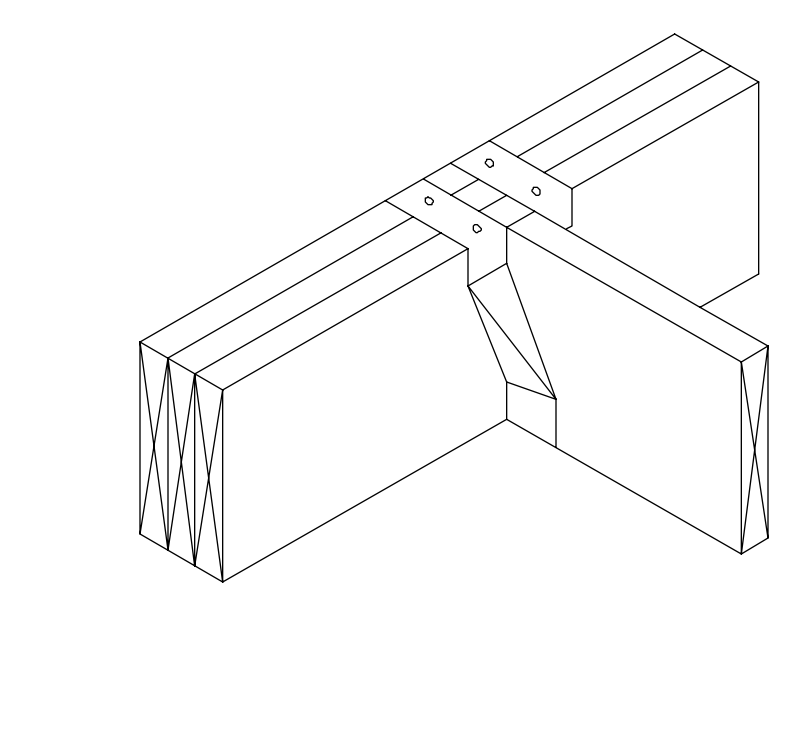
# INSULATED WALL DETAILS 1" O.C.



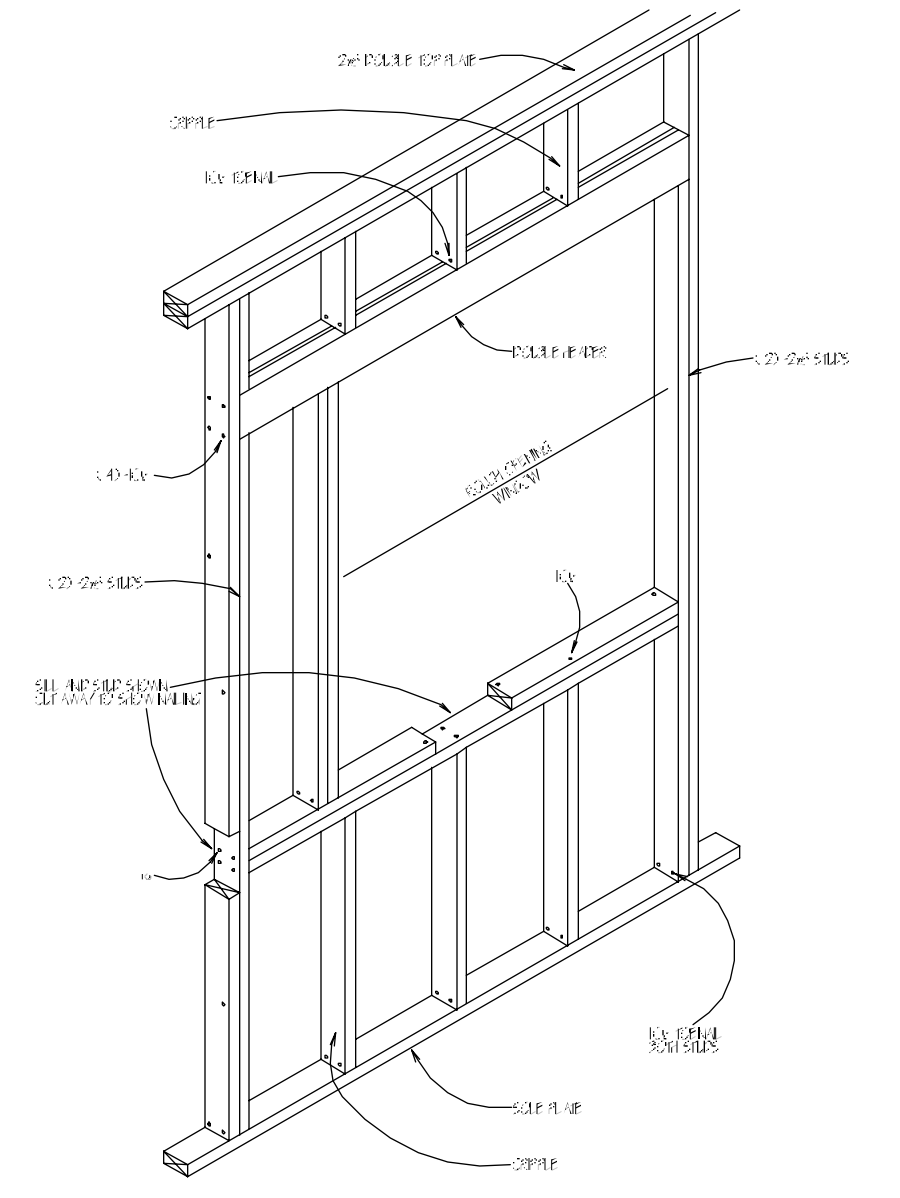
# INSULATED WALL DETAILS 1" O.C.



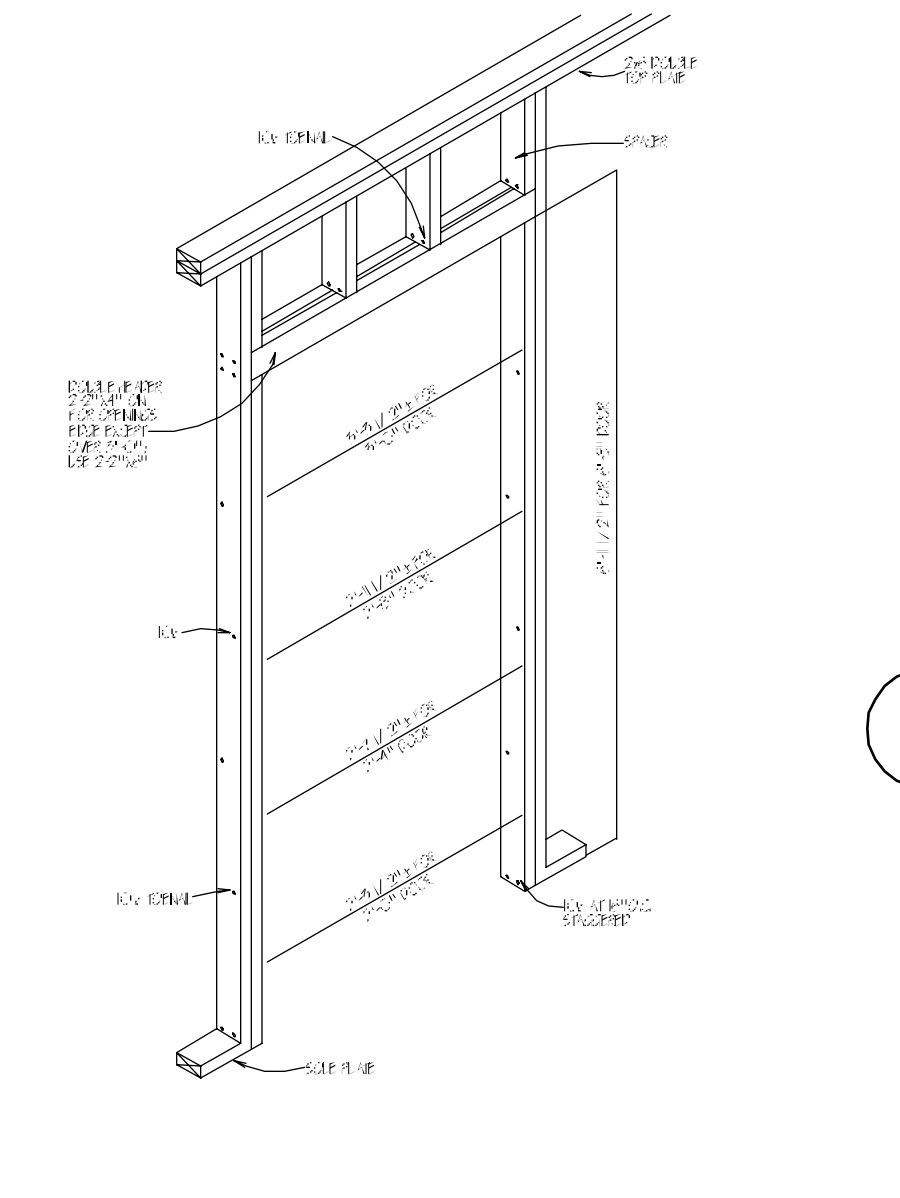
# 2x4 PARTITION WALL HEADER DETAIL NS



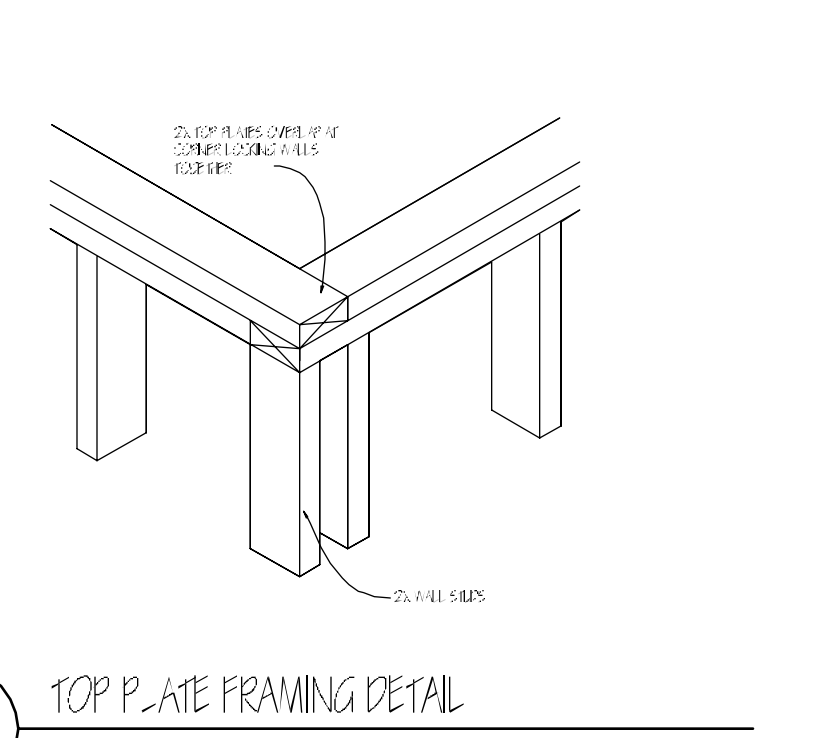
# WOOD JOISTS SUPPORTED ON WOOD GIRGERS 1" O.C.



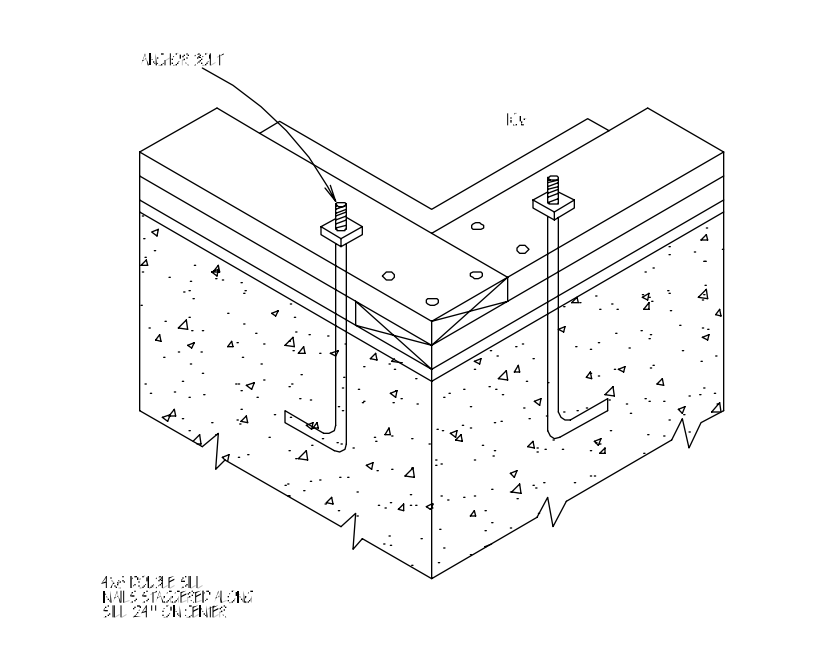
# WINDOW OPENING DETAIL 1" O.C.



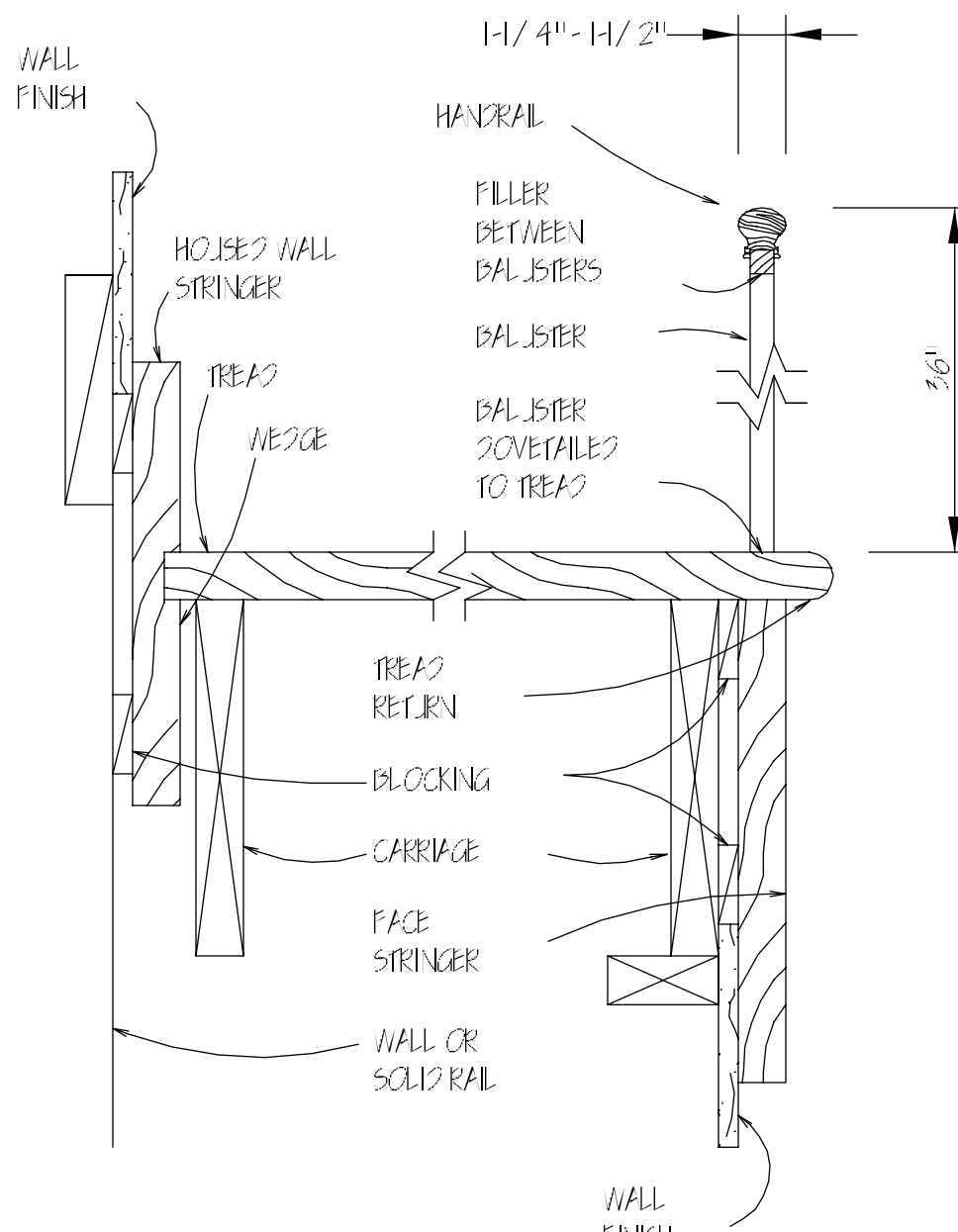
# DOOR OPENING DETAIL 1" O.C.



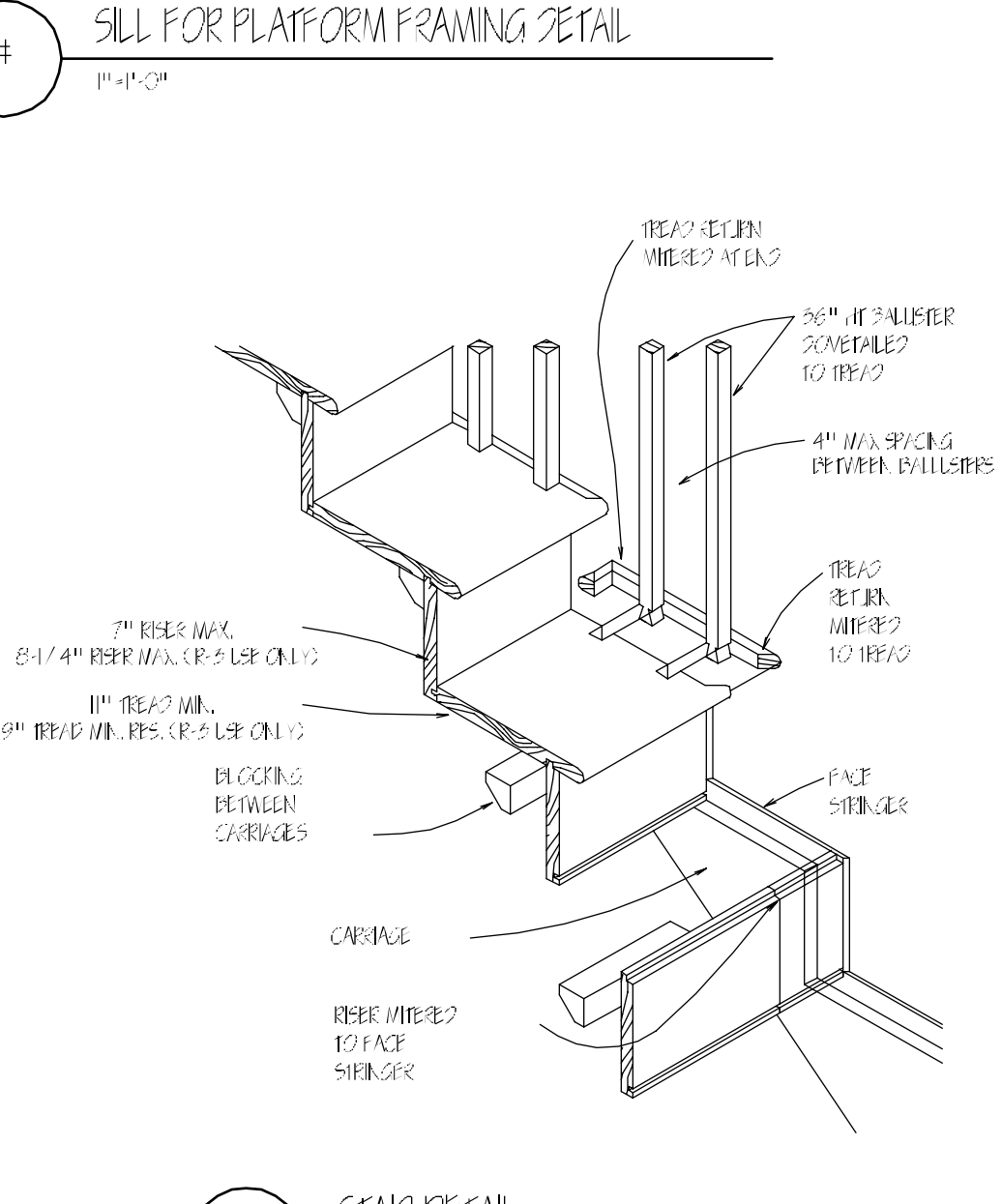
# TOP PLATE FRAMING DETAIL NS



# SILL FOR PLATFORM FRAMING DETAIL 1" O.C.



# STAIR DETAIL NS



# STAIR DETAIL NS

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Sheet No.

A-3.2

### LATERAL SUPPORT

- BCI JOISTS MUST BE FULLY SUPPORTED AT THE ENDS WITH HANGERS, BCI RIV JOISTS, RIV BOARDS, BCI BLOCKING PANELS OR X-BRACING. BCI BLOCKING PANELS OR X-BRACING ARE REQUIRED AT CANTILEVER SUPPORTS.
- BLOCKING MAY BE REQUIRED AT INTERMEDIATE BEARINGS FOR FLOOR. DIAGRAM PERFORM IN HIGH SEISMIC AREAS, CONSULT LOCAL BUILDING OFFICIAL.

### MINIMUM BEARING LENGTH FOR BCI JOISTS

- 1-3/4" INCHES IS REQUIRED AT END SUPPORTS. 3/4" INCHES IS REQUIRED AT CANTILEVER AND INTERMEDIATE SUPPORTS.
- LONGER BEARING LENGTHS ALLOW HIGHER REACTION VALUES. REFER TO THE BUILDING CODE EVALUATION REPORT OF THE BC CALC SOFTWARE.

### NAILING REQUIREMENTS

- BCI RIV JOIST, RIV BOARD OR CLOSURE PANEL TO BCI JOIST.
- RIVS OR CLOSURE PANEL 1-3/4" INCHES THICK AND LESS: 2-8d NAILS, ONE EACH ON THE TOP AND BOTTOM FLANGE.
- BCI 9000S RIV JOIST: 2-10d BOX NAILS, ONE EACH IN THE TOP AND BOTTOM FLANGE.
- BCI 6000S, 60S RIV JOIST: 2-16d BOX NAILS, ONE EACH IN THE TOP AND BOTTOM FLANGE.
- BCI 6500S, 90S RIV JOIST: TOP-NAIL TOP FLANGE TO RIV JOIST WITH 2-10d BOX NAILS, ONE EACH SIDE OF THE FLANGE.
- BCI RIV JOIST, RIV BOARD OR BCI BLOCKING PANEL TO SUPPORT.
- 8d NAILS AT 6 INCHES ON CENTER.
- WHEN USED FOR SHEAR TRANSFER, FOLLOW THE BUILDING DESIGNER'S SPECIFICATION.
- BCI JOIST TO SUPPORT.
- 2-8d NAILS, ONE ON EACH SIDE OF THE WEB, PLACED 1-1/2" INCHES MINIMUM FROM THE END OF THE BCI JOIST TO LIMIT SPLITTING.
- SHEATHING TO BCI JOIST.
- SEE CLOSEST ALLOWABLE NAIL SPACING CHART ON THIS SHEET.
- BCI 6000S, 6500S, 60S, 90S JOIST: MAXIMUM NAIL SPACING IS 24 INCHES ON CENTER.
- 14 GAUGE STAPLES MAY BE SUBSTITUTED FOR 8d NAILS IF THE STAPLES PENETRATE AT LEAST 1 INCH INTO THE JOIST.
- WOOD SCREWS MAY BE ACCEPTABLE, CONTACT LOCAL BUILDING OFFICIAL AND/OR BOBE EAP ENGINEERING FOR FURTHER INFORMATION.

### PROTECT BCI JOISTS FROM THE WEATHER

- BCI JOISTS ARE INTENDED ONLY FOR APPLICATIONS THAT PROVIDE PERMANENT PROTECTION FROM THE WEATHER. BUNDLES OF BCI JOISTS SHOULD BE COVERED AND STORED OFF THE GROUND ON SIDERS.

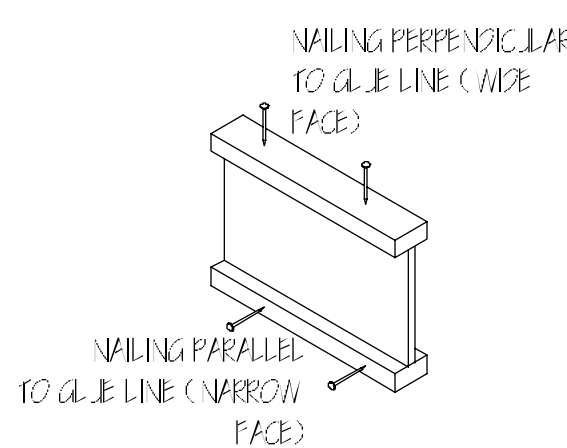
### WEB STIFFENER REQUIREMENTS

- WEB STIFFENERS ARE OPTIONAL EXCEPT AS NOTED BELOW.
- WEB STIFFENERS ARE ALWAYS REQUIRED IN HANGERS THAT DO NOT EXTEND UP TO SUPPORT THE FLANGE OF THE BCI JOIST. WEB STIFFENERS MAY BE REQUIRED WITH CERTAIN SLOPED OR SKEWED HANGERS OR TO ACHIEVE LIFT OFF VALUES. REFER TO THE HANGER MANUFACTURER'S INSTALLATION REQUIREMENTS.
- WEB STIFFENERS ARE ALWAYS REQUIRED IN CERTAIN ROOF APPLICATIONS (SEE ROOF FRAMING DETAILS).
- WEB STIFFENERS ARE ALWAYS REQUIRED UNDER CONCENTRATED LOADS THAT EXCEED 1000 POUNDS. INSTALL THE WEB STIFFENERS SAG TO THE TOP FLANGE IN THIS SITUATION. FOLLOW THE NAILING SCHEDULE FOR INTERMEDIATE BEARINGS.
- WEB STIFFENERS MAY BE USED TO INCREASE ALLOWABLE REACTION VALUES.

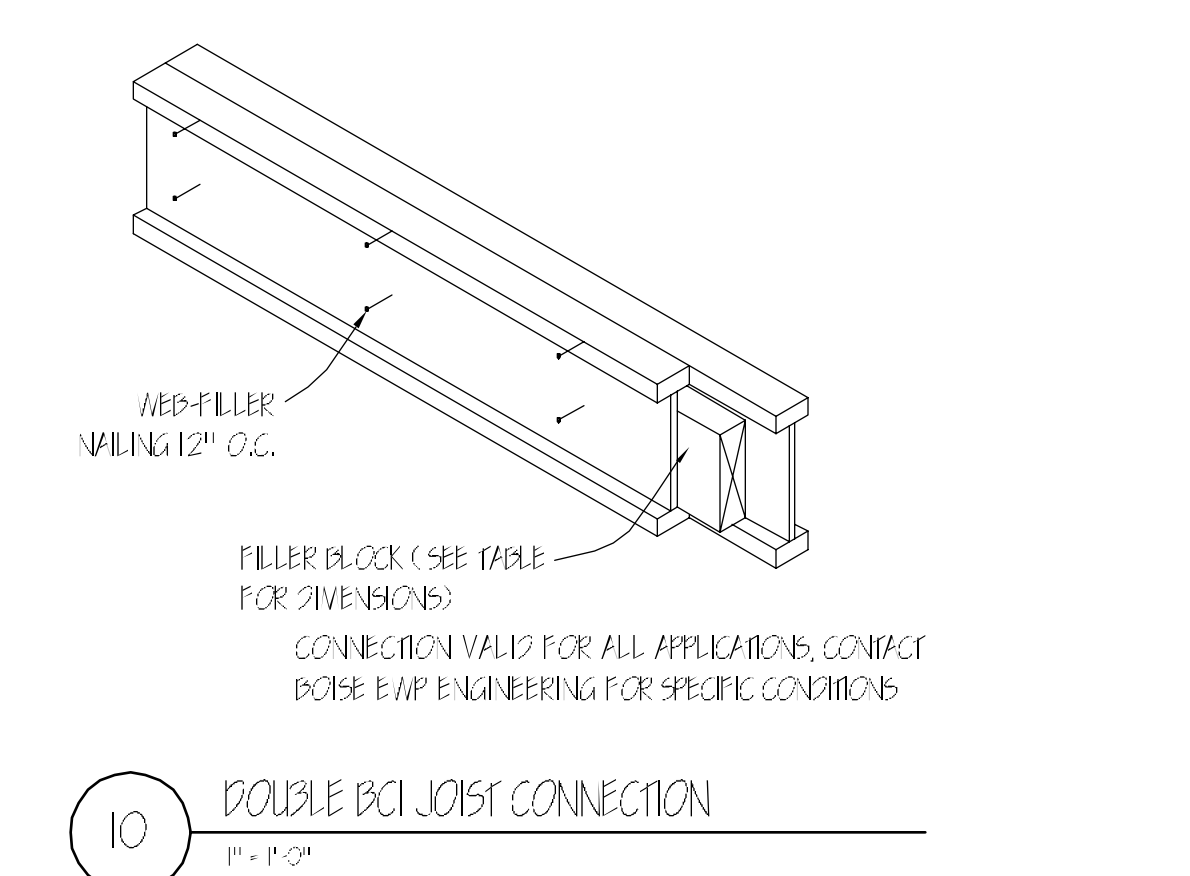
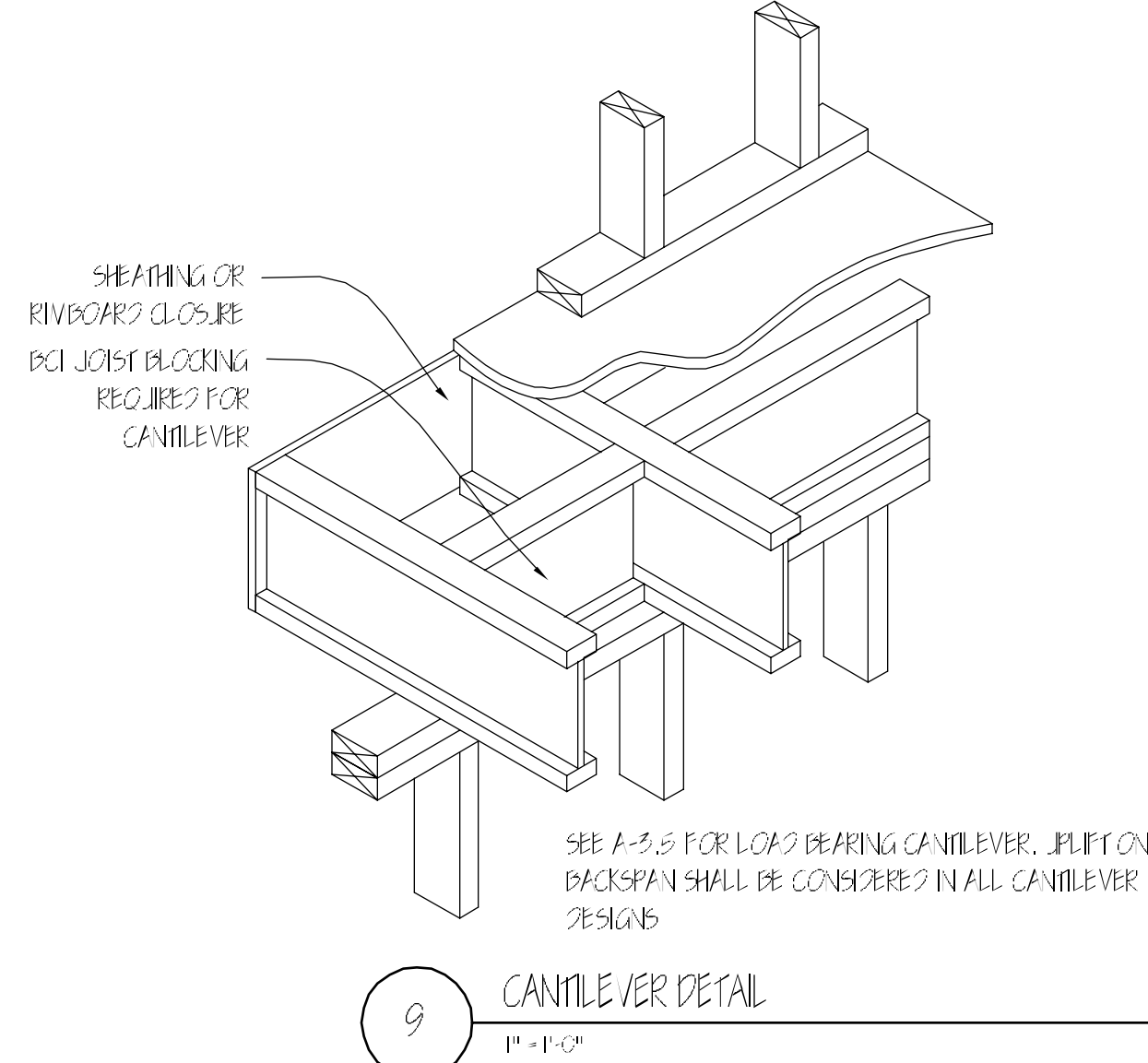
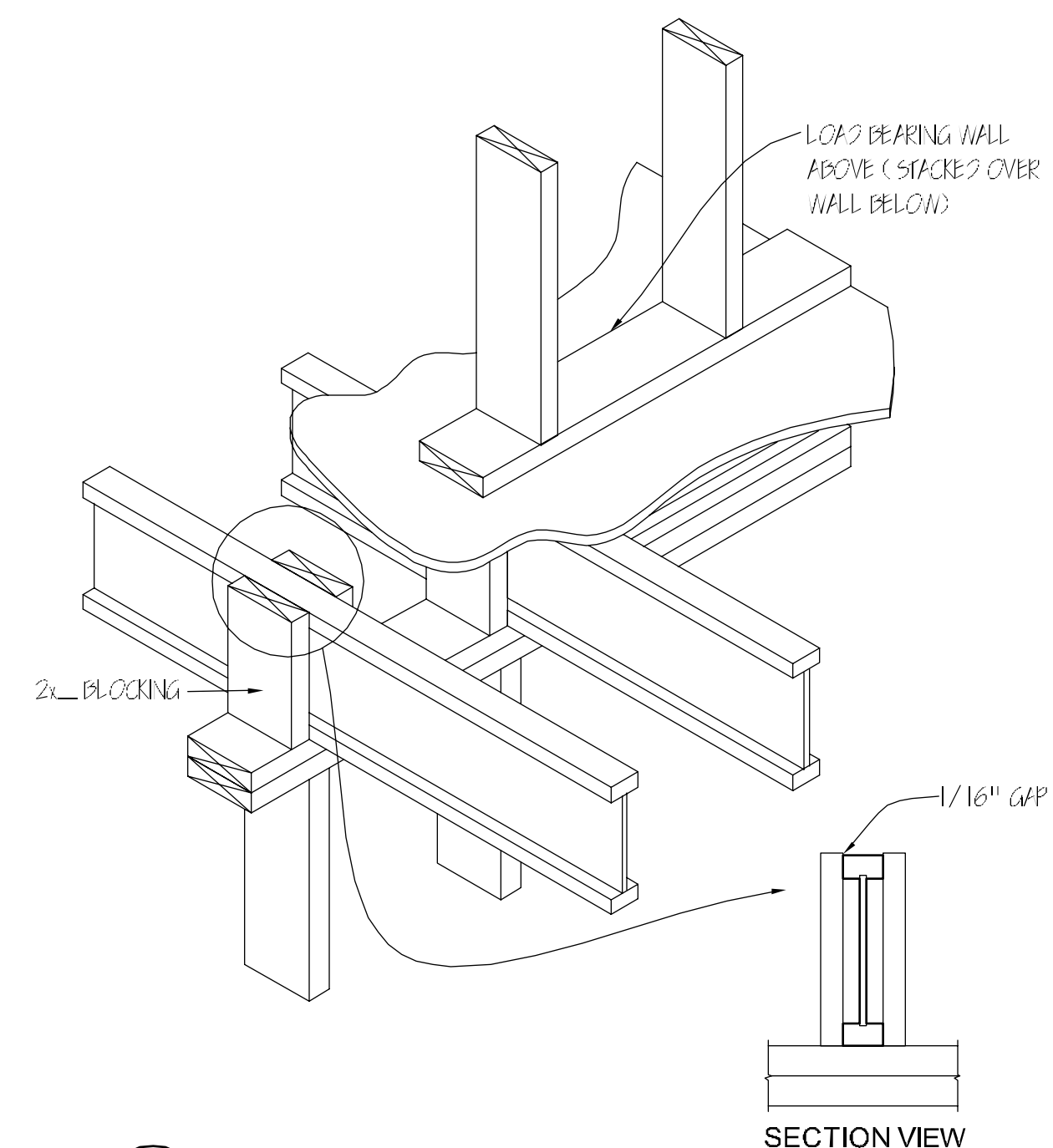
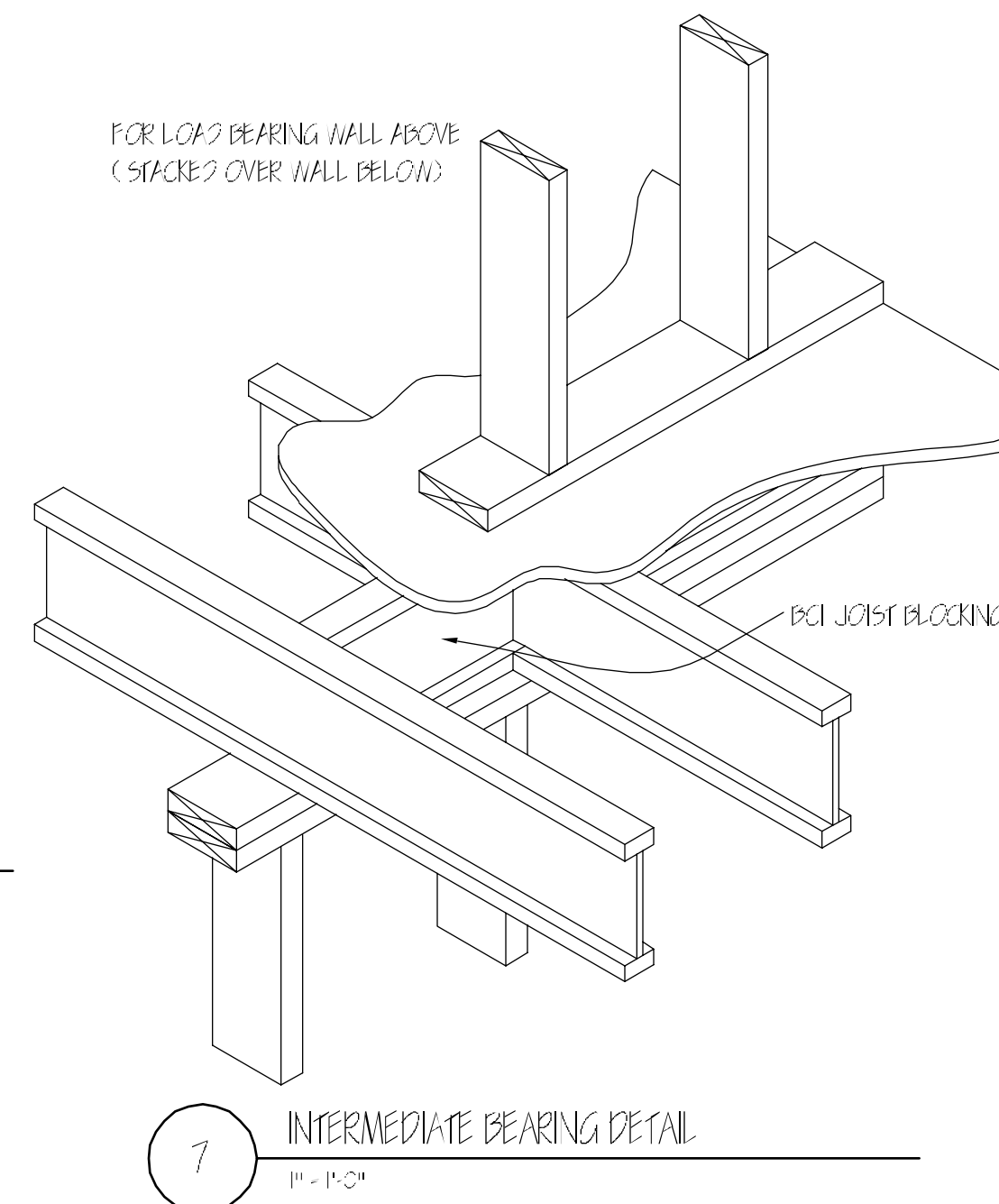
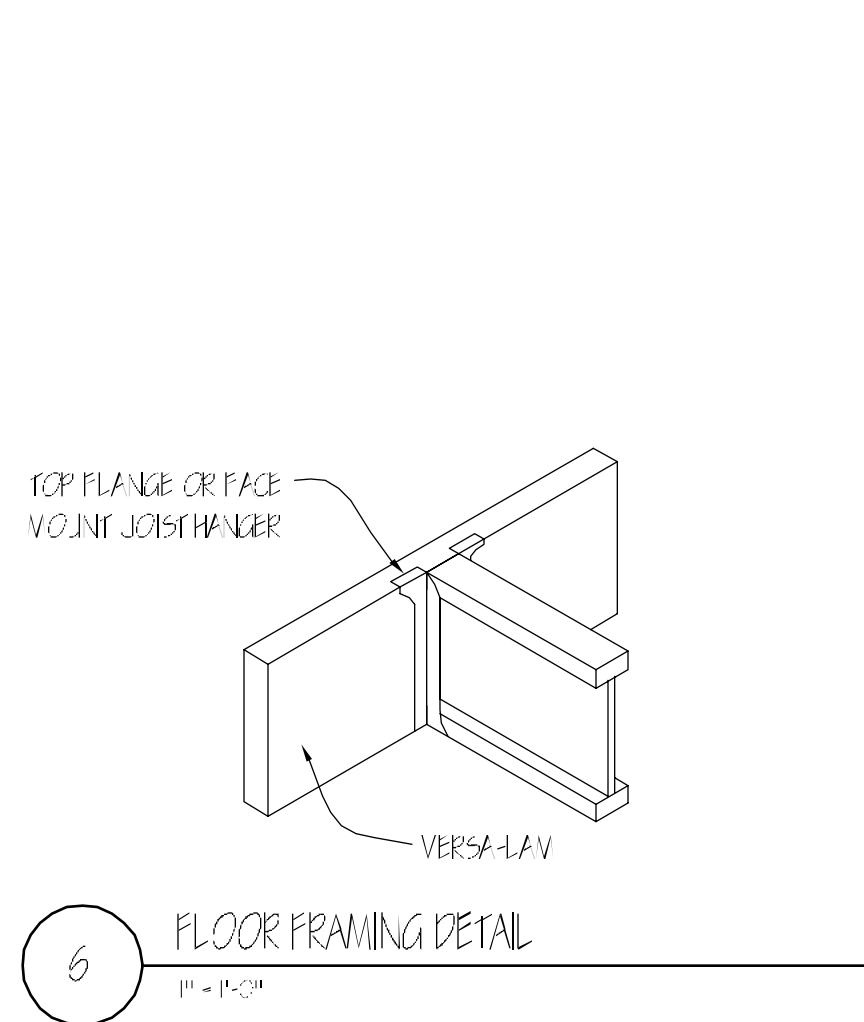
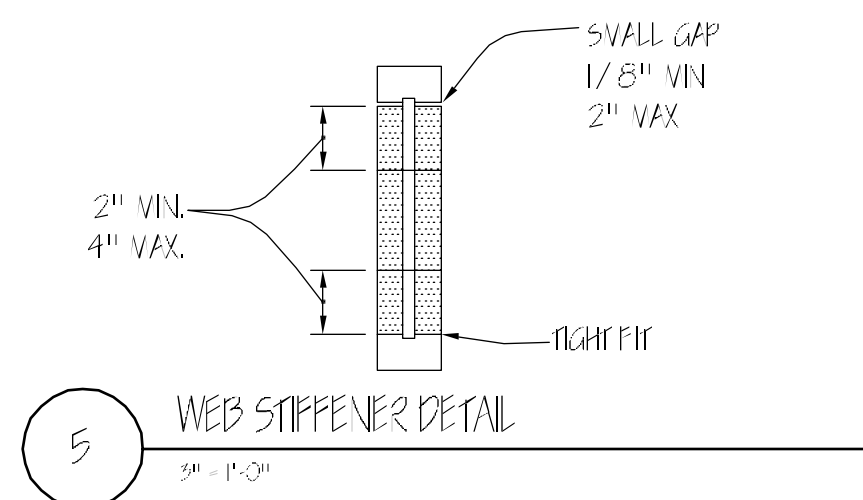
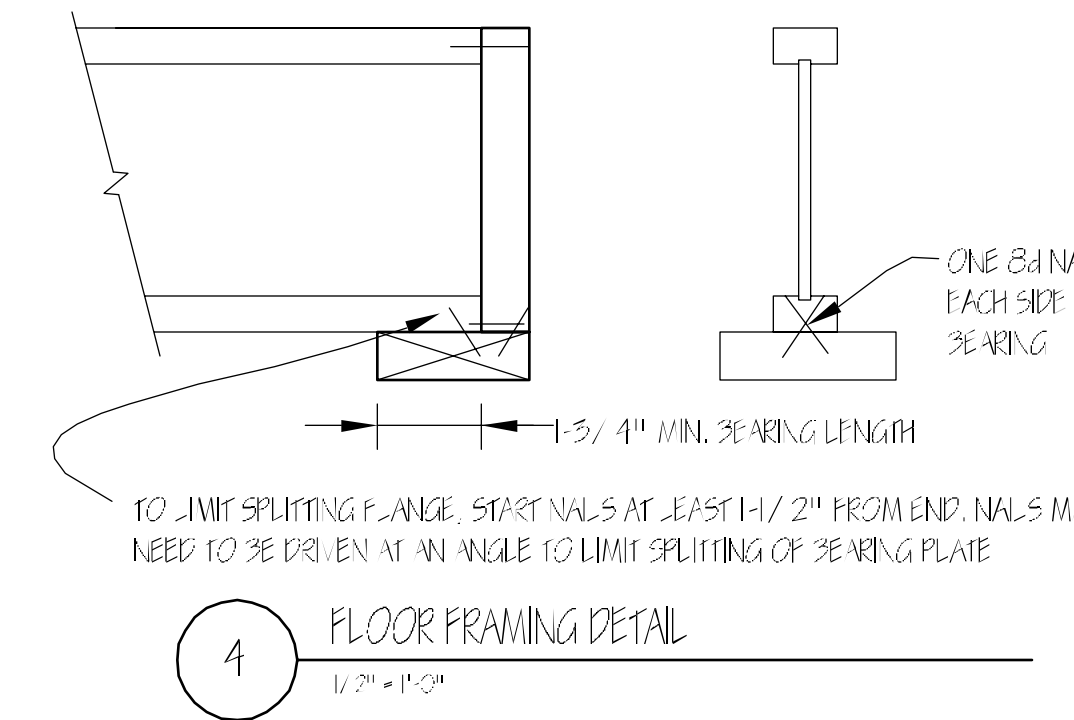
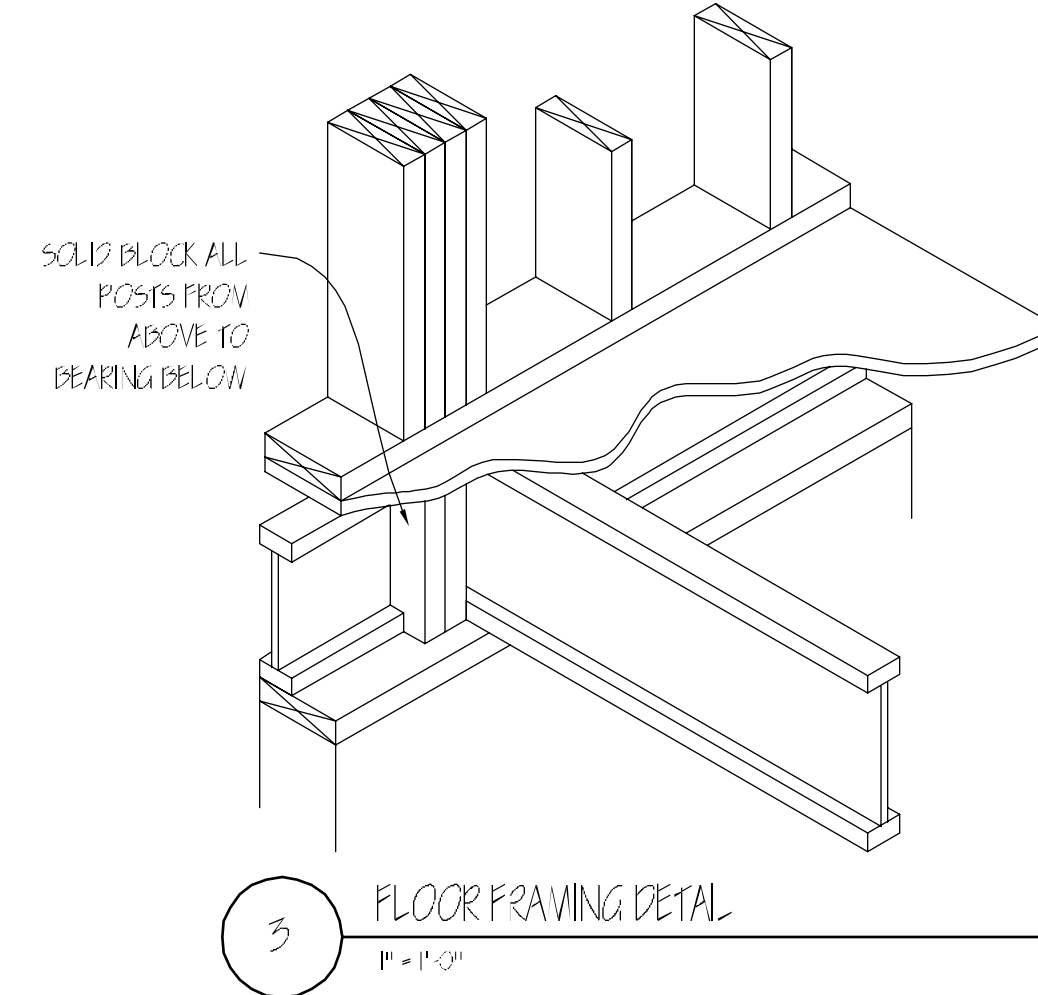
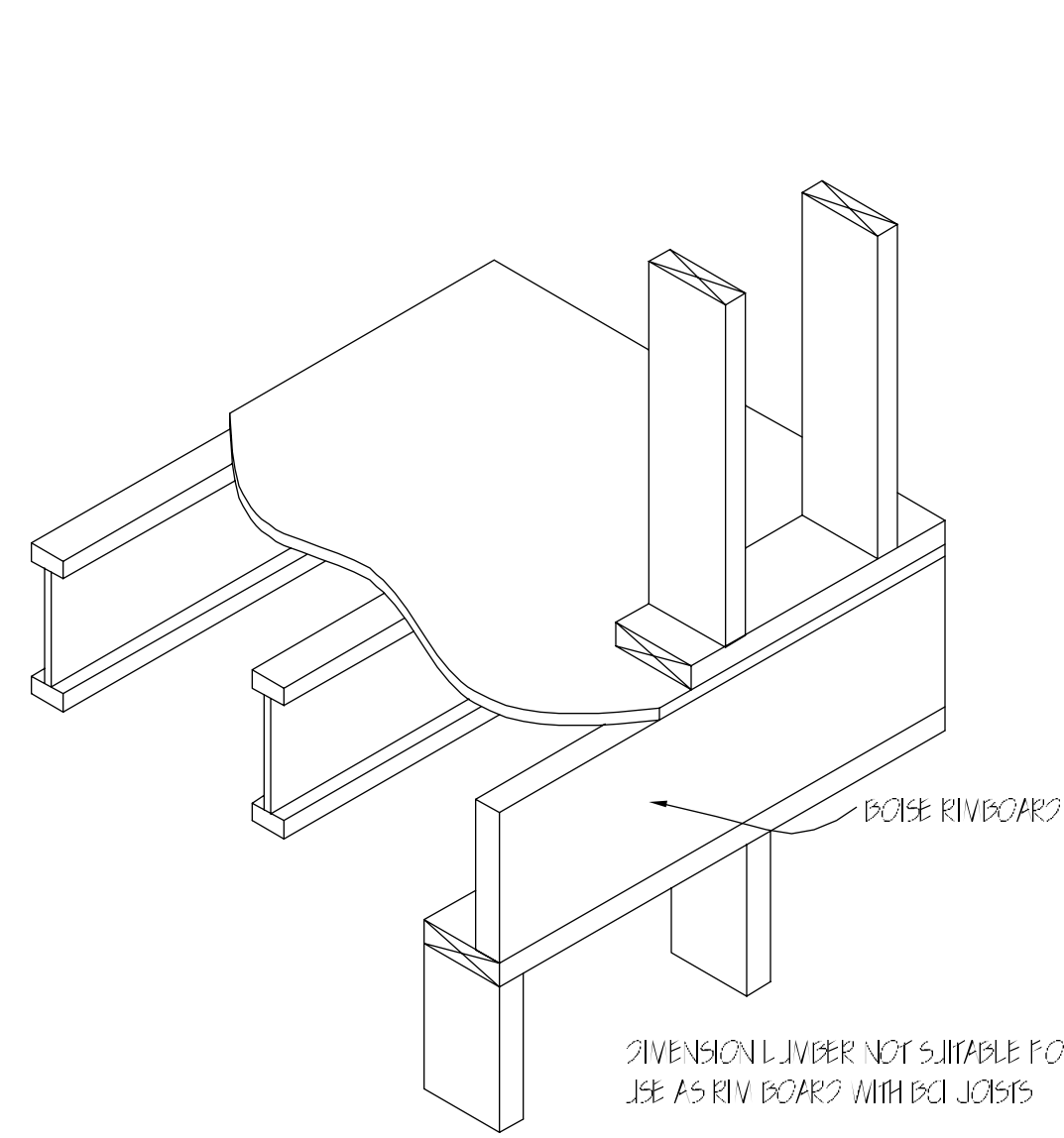
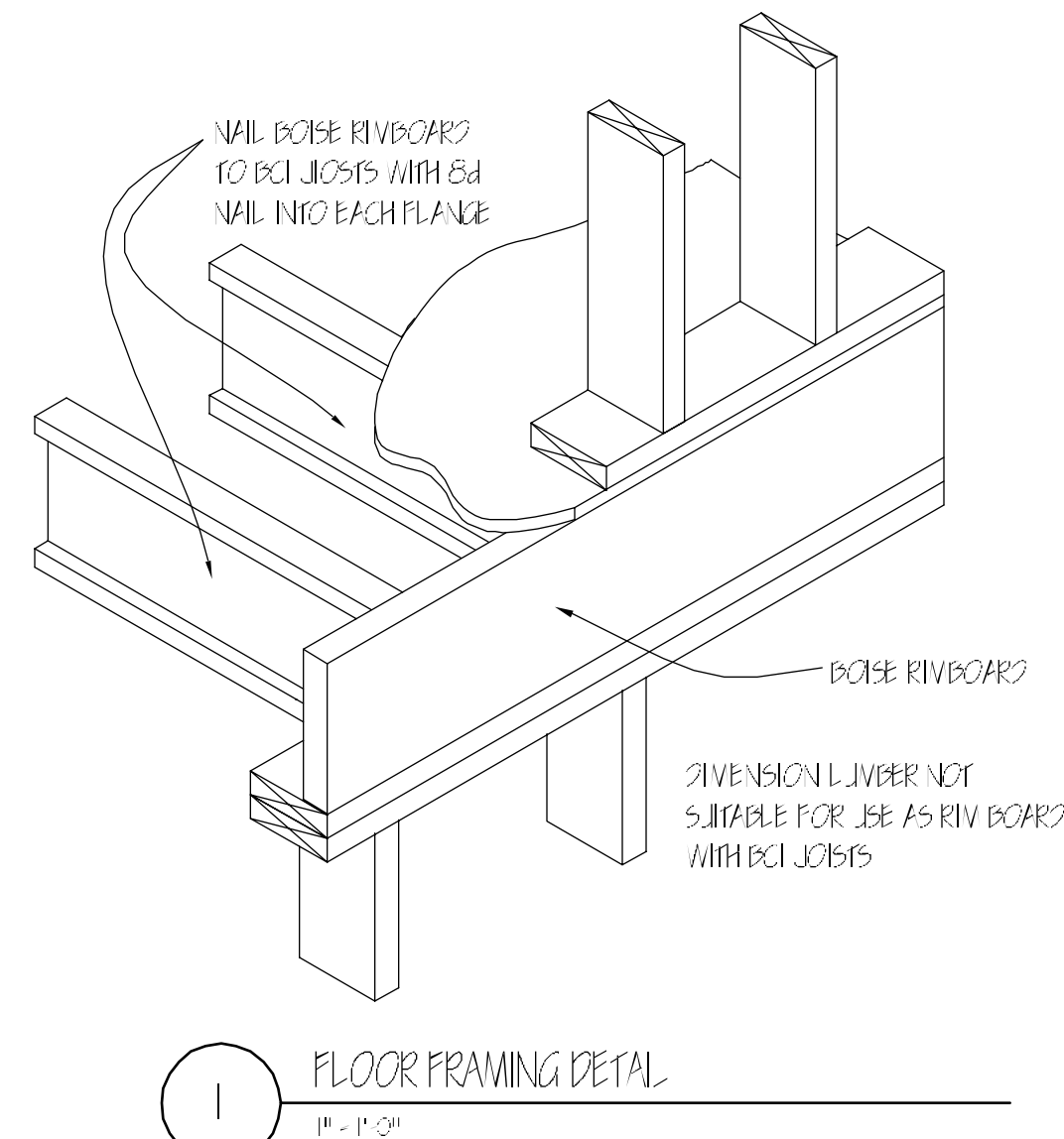
BACKER AND FILLER BLOCK DIMENSIONS		
SERIES	BACKER BLOCK THICKNESS	FILLER BLOCK THICKNESS
5000s 1.8	3/4" OR 7/8" WOOD PANELS	TWO 3/4" WOOD PANELS OR 2x
6000s 1.8	1-1/8" OR TWO 1/2" WOOD PANELS	2x + 5/8" OR 3/4" WOOD PANEL
6500s 1.8	1-1/8" OR TWO 1/2" WOOD PANELS	2x + 5/8" OR 3/4" WOOD PANEL
60s 2.0	1-1/8" OR TWO 1/2" WOOD PANELS	2x + 5/8" OR 3/4" WOOD PANEL
90s 2.0	2x LUMBER	DOUBLE 2x LUMBER

CUT BACKER AND FILLER BLOCKS TO A MAXIMUM DEPTH EQUAL TO THE WEB DEPTH MINUS 1/4" TO AVOID A FORCED FIT

CLOSEST ALLOWABLE NAIL SPACING				
NAIL SIZE	ALL BCI JOISTS			
	NAILS PERPENDICULAR TO G.L.B. LINE (WIDE FACE)		NAILS PERPENDICULAR TO G.L.B. LINE (NARROW FACE)	
	COL. SPACING	DEP. OF JOIST	COL. SPACING	DEP. OF JOIST
8d BOX	2"	1-1/2"	4"	1-1/2"
8d CONVON	2"	1-1/2"	4"	5"
10d & 12d BOX	2"	1-1/2"	4"	5"
16d BOX	2"	1-1/2"	4"	5"
10d & 12d CONVON	3"	2"	6"	4"
16d SNR	3"	2"	6"	4"
16 CONVON	3"	2"	6"	4"



BCI RIM JOISTS AND BCI BLOCKING (ALL SERIES)	
DEPTH (IN)	VERTICAL LOAD CAPACITY (PLF)
9-1/2"	2800
11-7/8"	2775
14"	2750
16"	2450



Location

PROPOSED SINGLE FAMILY  
20 MONTMORENCI AVENUE  
EAST BOSTON, MA

**Choo & Company Inc.**

One Billings Road Quincy, MA 02171  
617-786-7727 fax 617-786-7715

No.	Revision Date
	10-14-2009

Project No. 29214  
Scale: AS NOTED  
Date: 10-06-09  
Drawn By: SL

Proposed Plans

Sheet No. **A-3.3**

Location

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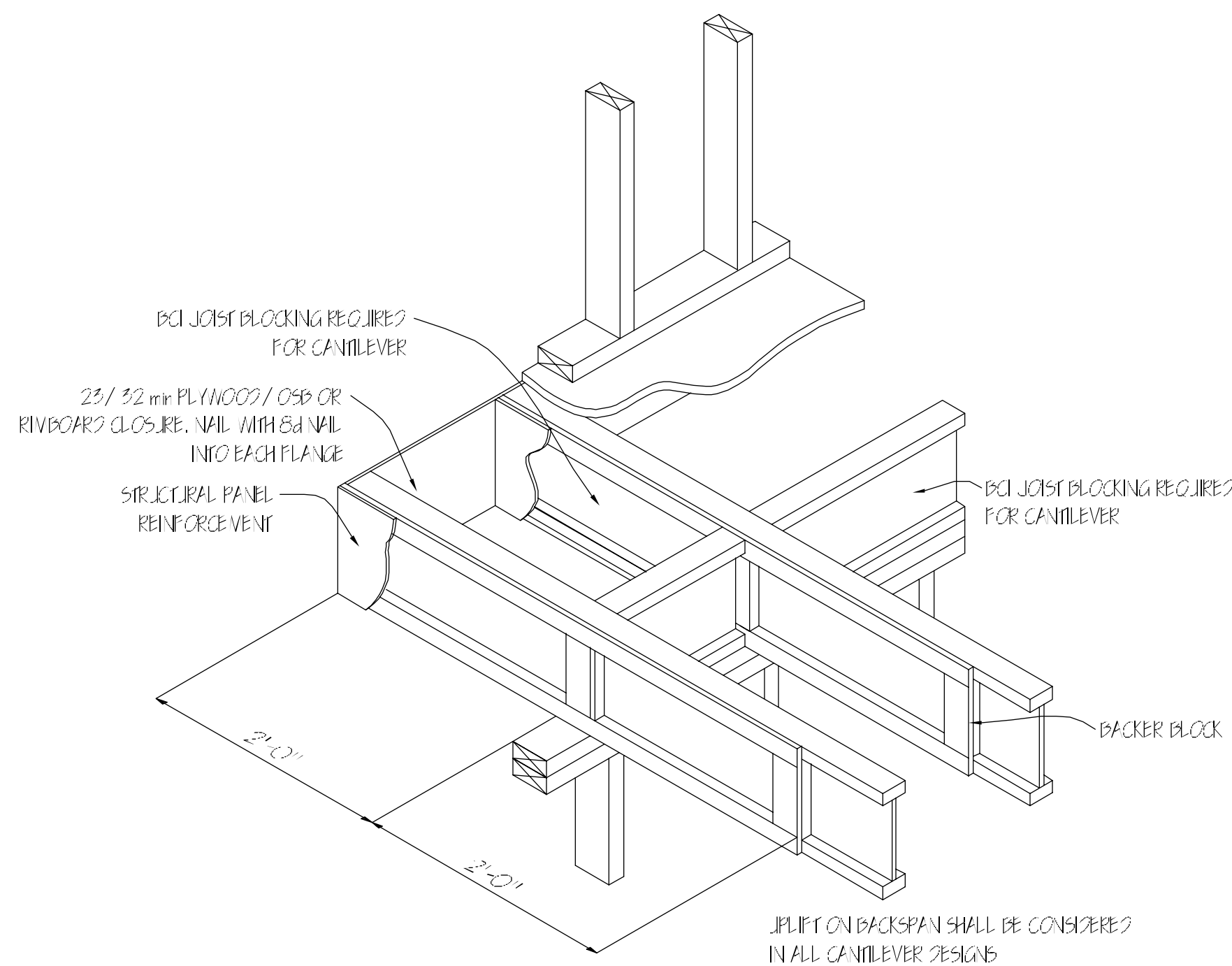
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Scale: AS NOTED  
Date: 10-06-09  
Drawn By: SL

Drawn Name

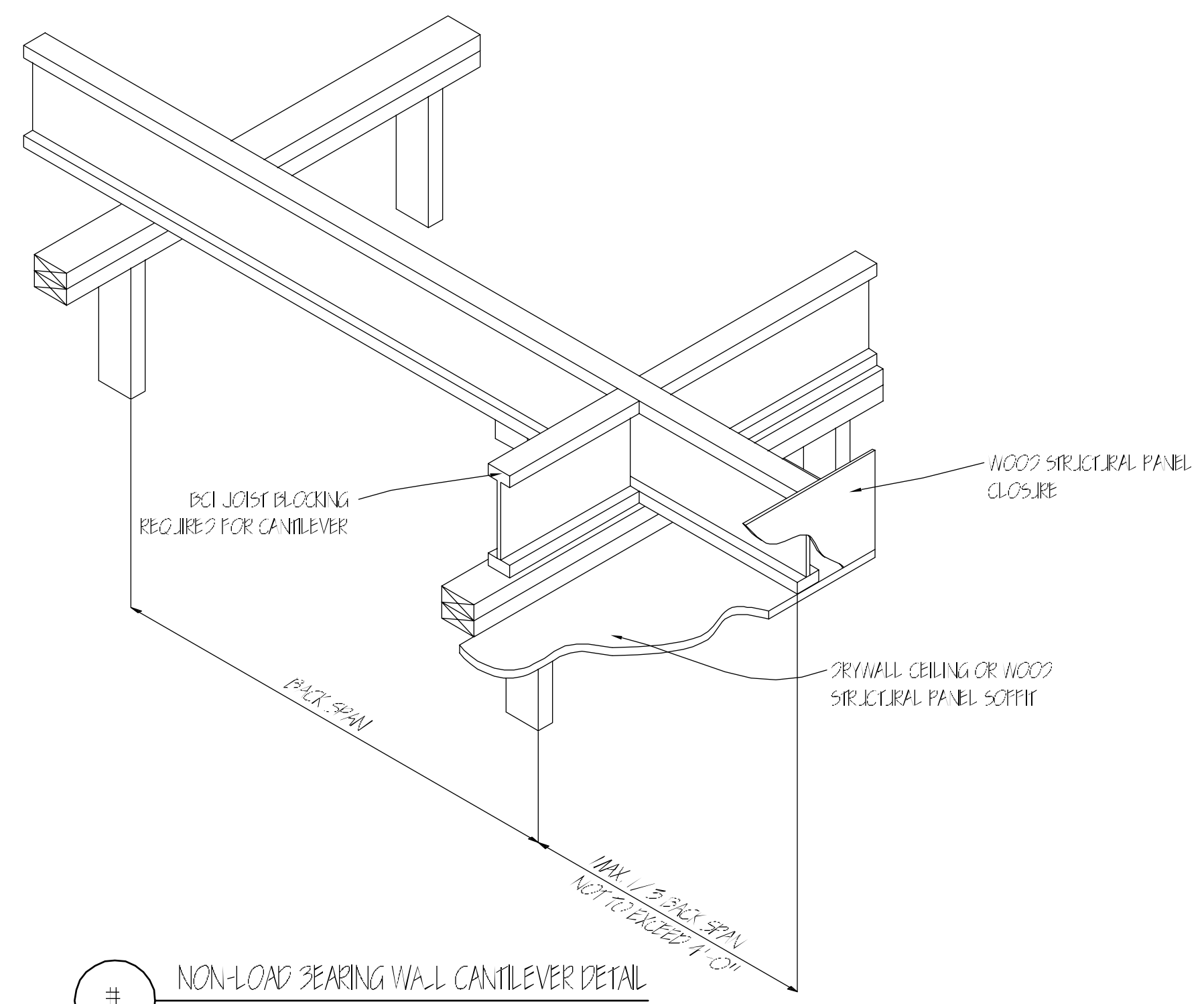
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PLANS

Sheet No.

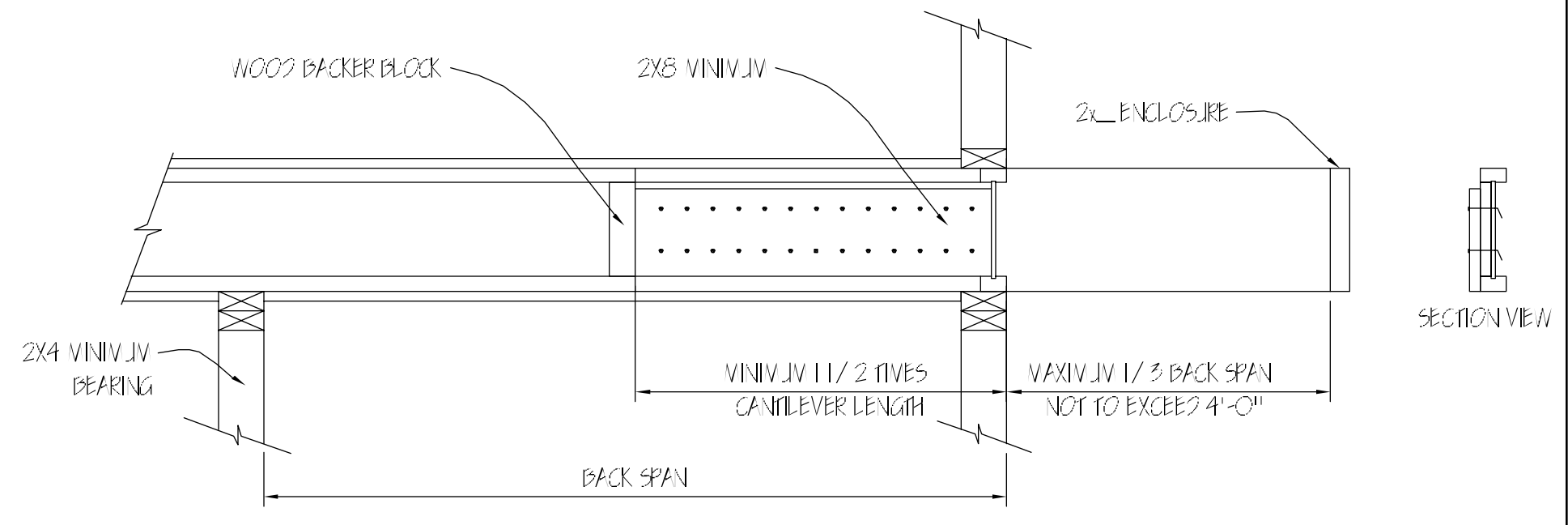
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# REINFORCED LOAD BEARING CANTILEVER DETAIL  
1" = 1'-0"



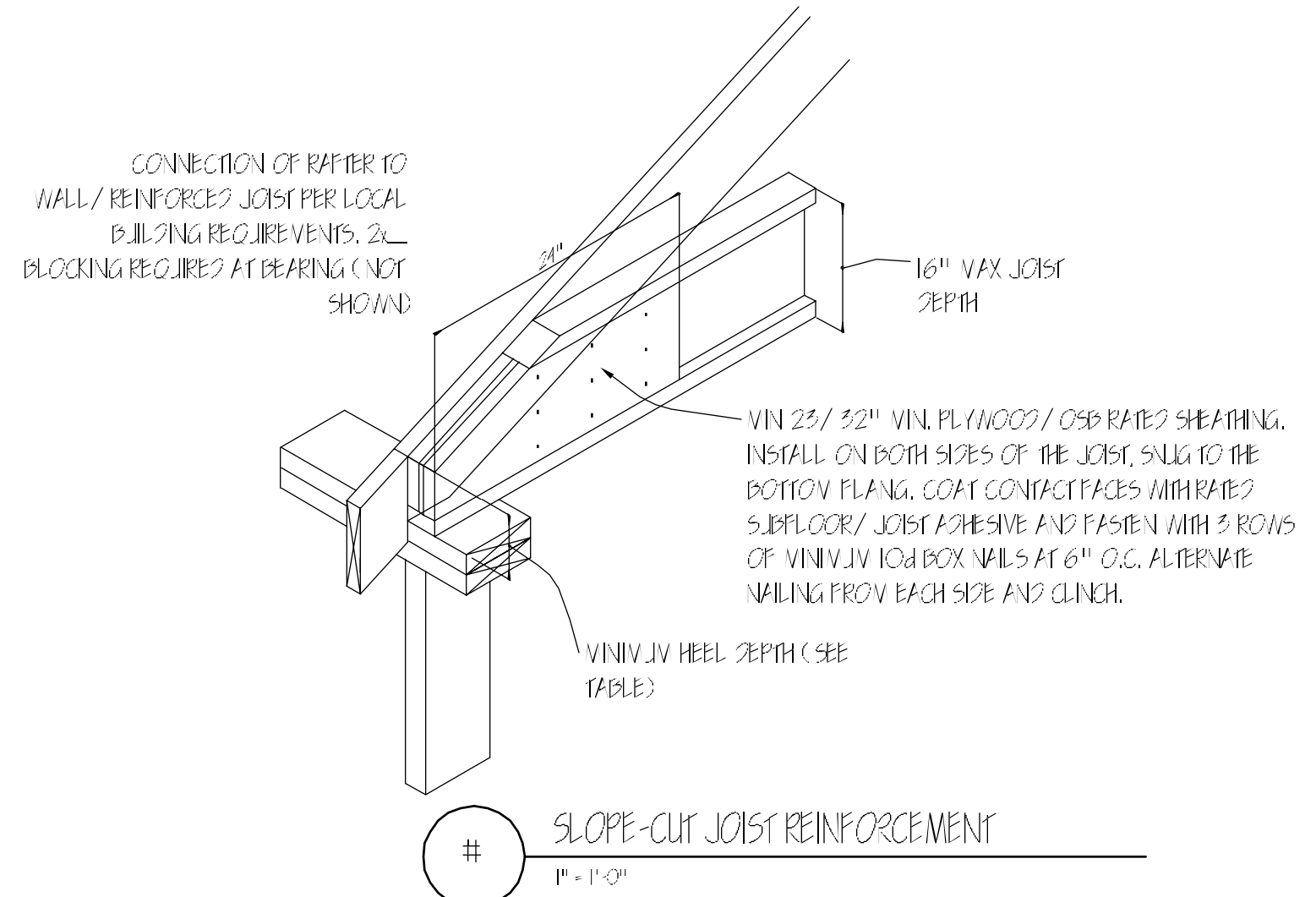
# NON-LOAD BEARING WALL CANTILEVER DETAIL  
1" = 1'-0"



# NON-LOAD BEARING WALL CANTILEVER DETAIL  
1" = 1'-0"

SIDE-LOADED APPLICATIONS							
NUMBER OF MEMBERS	MAXIMUM UNIFORM SIDE LOAD (PLF)						
	VALUED		1/2" DIA. THROUGH BOLT		5/8" DIA. THROUGH BOLT		
	2 ROWS @ 16" SINKERS @ 12" O.C.	3 ROWS @ 16" SINKERS @ 12" O.C.	2 ROWS @ 24" O.C. STAGGERED	2 ROWS @ 12" O.C. STAGGERED	2 ROWS @ 12" O.C. STAGGERED	2 ROWS @ 24" O.C. STAGGERED	2 ROWS @ 6" O.C. STAGGERED
1-3/4" VERSA-LAM (DEPTH OF 18" AND LESS)							
2	470	705	505	1010	2020	960	1120
3	590	925	675	1345	2690	1200	1400
4	USE BOLT SCHEDULE		855	1710	3420	1560	1820
3-1/2" VERSA-LAM							
2	USE BOLT SCHEDULE		855	1710	N/A	1125	2250
1-3/4" VERSA-LAM (DEPTH OF 24")							
NUMBER OF MEMBERS	VALUED		1/2" DIA. THROUGH BOLT		5/8" DIA. THROUGH BOLT		
	3 ROWS @ 16" SINKERS @ 12" O.C.	4 ROWS @ 16" SINKERS @ 12" O.C.	3 ROWS @ 24" O.C. STAGGERED	3 ROWS @ 18" O.C. STAGGERED	3 ROWS @ 12" O.C. STAGGERED	3 ROWS @ 24" O.C. STAGGERED	3 ROWS @ 18" O.C. STAGGERED
	2 ROWS @ 16" SINKERS @ 12" O.C.	3 ROWS @ 16" SINKERS @ 12" O.C.	2 ROWS @ 24" O.C. STAGGERED	2 ROWS @ 18" O.C. STAGGERED	2 ROWS @ 12" O.C. STAGGERED	2 ROWS @ 24" O.C. STAGGERED	2 ROWS @ 18" O.C. STAGGERED
2	705	940	795	1010	1515	840	1120
3	925	1235	1045	1345	2020	1080	1400
4	USE BOLT SCHEDULE		1345	1710	2690	1440	1820

PCI JOIST SERIES			
FOR TOP LOADED BEAMS AND BEAM WITH SIDE LOADS WITH LESS THAN THOSE SHOWN:			
PILES	DEPTH	NAILING	MAX. INFLUENCE FROM ONE SIDE
(2) 1-3/4" PILES	DEPTH 11'-7/8" & LESS	2 ROWS 16x30x/SINKER NAILS @ 12" O.C.	400 PLF
	DEPTH 14" - 18"	3 ROWS 16x30x/SINKER NAILS @ 12" O.C.	600 PLF
(3) 1-3/4" PILES	DEPTH 11'-7/8" & LESS	4 ROWS 16x30x/SINKER NAILS @ 12" O.C.	800 PLF
	DEPTH 14" - 18"	4 ROWS 16x30x/SINKER NAILS @ 12" O.C.	1000 PLF
(4) 1-3/4" PILES	DEPTH 12" & LESS	2 ROWS 1/2" 30x15 @ 24" O.C. STAGGERED	555 PLF
	DEPTH = 24"	2 ROWS 1/2" 30x15 @ 24" O.C. STAGGERED EVERY 6"	905 PLF
(2) 1-3/4" PILES	DEPTH 12" & LESS	2 ROWS 1/2" 30x15 @ 24" O.C. STAGGERED	855 PLF
	DEPTH 20" - 24"	2 ROWS 1/2" 30x15 @ 24" O.C. STAGGERED EVERY 6"	1255 PLF

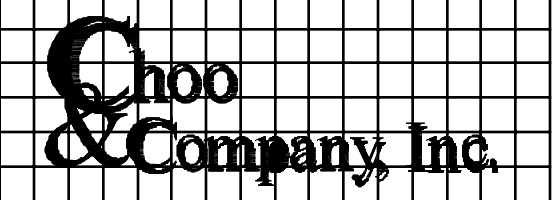


# SLOPE-CUT JOIST REINFORCEMENT  
1" = 1'-0"

END WALL BEARING	MINIMUM HEEL DEPTH					
	ROOF PITCH					
	6/12	7/12	8/12	9/12	10/12	12/12
2 x 4	4-3/8"	4-5/16"	4-1/4"	4-1/4"	4-1/4"	4-1/4"
2 x 6	5-3/8"	5-5/16"	2-5/16"	2-5/16"	2-9/16"	2-1/4"



PROPOSED SINGLE FAMILY  
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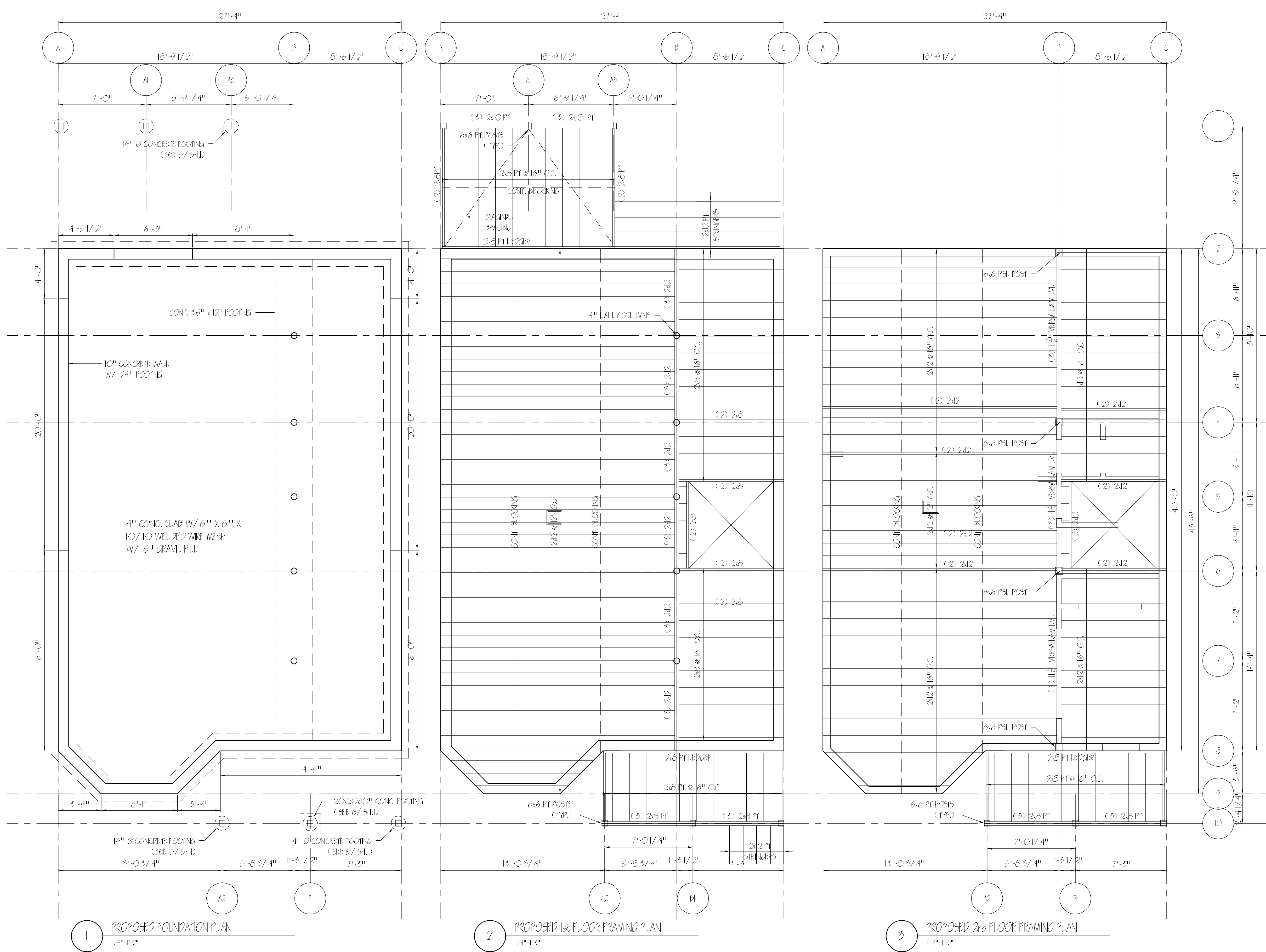
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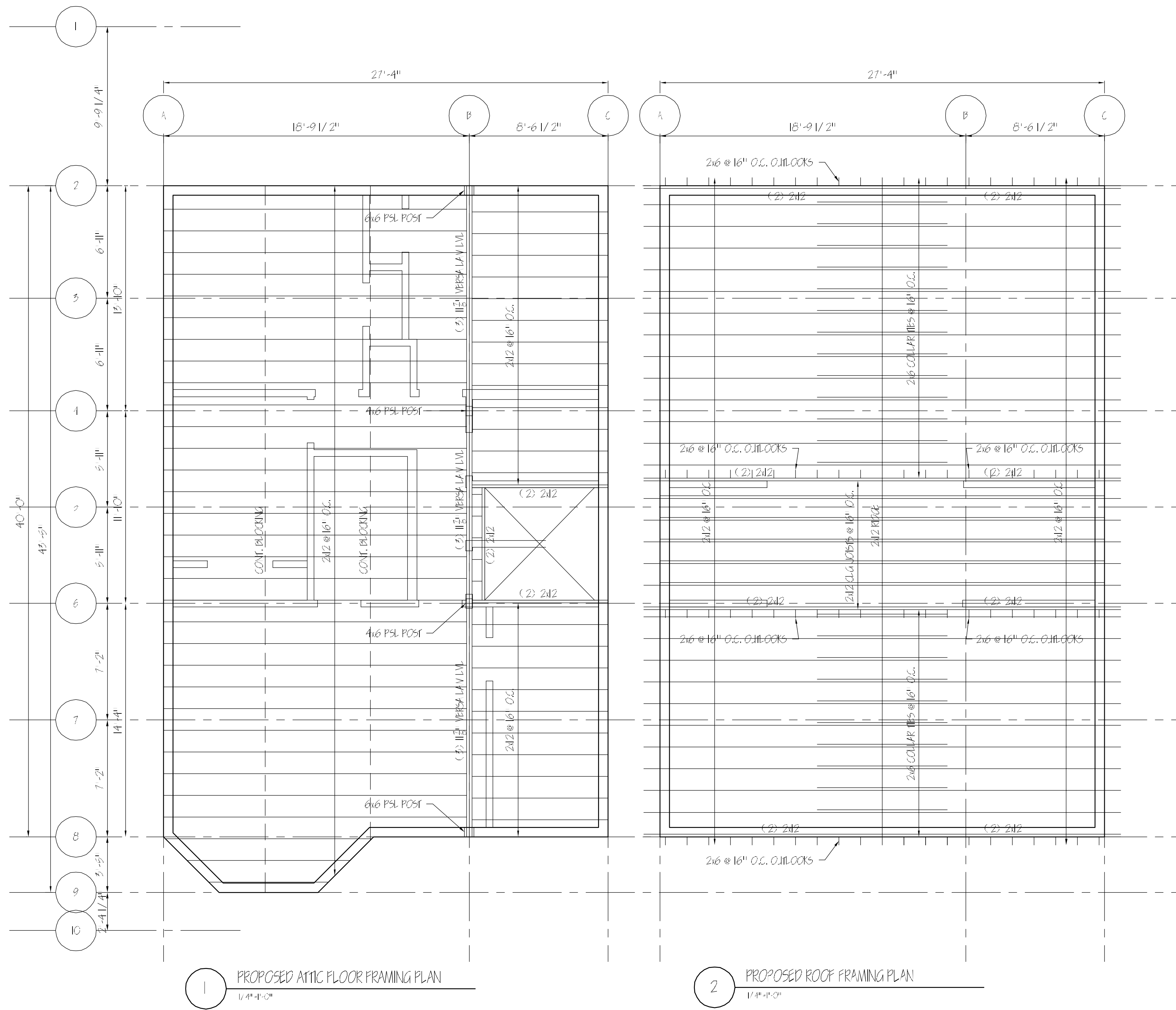
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PROPOSED  
PLANS

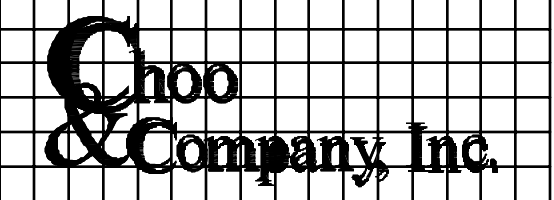
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Location

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Drawing Name  
PROPOSED  
PLANS

Sheet No.  
S-1.2