

PARTIAL FASTENING SCHEDULE

DETAIL	CONNECTION	NAIL SIZE (LENGTH x DIAMETER IN INCHES)						
		3 1/2" x 0.162" φ	3 1/4" x 0.148" φ	3" x 0.148" φ	3 1/4" x 0.135" φ	3 1/4" x 0.131" φ	3" x 0.131" φ	2 1/2" x 0.131" φ
	BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE (TOE NAIL - EACH END)	3	3	3	3	3	3	3
	CEILING JOISTS TO TOP PLATE (TOE NAIL)	3	3	3	3	3	3	3
	CEILING JOIST, LAP OVER PARTITION (NO THRUST) (FACE NAIL)	3	4	4	4	4	4	4
	CEILING JOIST TO PARALLEL RAFTER	SEE IRC TABLE R802.5.1(9)						
	COLLAR TIE TO RAFTER (FACE NAIL)	3	3	3	4	4	4	5
	RAFTER / TRUSS TO PLATE (TOE NAIL)	3	3	3	3	4	4	4
	RAFTER TO RIDGE, VALLEY OR HIP RAFTER OR ROOF RAFTER (END NAIL)	3	4	4	4	5	5	
	RAFTER TO RIDGE, VALLEY OR HIP RAFTER OR ROOF RAFTER (TOE NAIL)	3	4	4				
	STUD TO STUD (FACE NAIL) (NOT AT BRACED PANEL)	24" O.C.	16" O.C.	16" O.C.	16" O.C.	16" O.C.	16" O.C.	8" O.C.
	ABUTTING STUDS AT CORNERS AND INTERSECTION (FACE NAIL) (NOT AT BRACED PANEL)	12" O.C.	12" O.C.	12" O.C.	12" O.C.	8" O.C.	8" O.C.	8" O.C.
	STUD TO STUD (FACE NAIL) (AT BRACED PANEL)	16" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	
	ABUTTING STUDS AT CORNERS AND INTERSECTION (FACE NAIL) (AT BRACED PANEL)	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.
	BUILT UP HEADER, TWO PIECES WITH 1/2" SPACER	12" O.C.	8" O.C.	8" O.C.	12" O.C.	8" O.C.	8" O.C.	
	CONTINUOUS HEADER TO STUD (TOE NAIL)	3	4	4	4	4	4	4
	KING STUD TO HEADER (FACE NAIL) (EACH PLY)	2x6 2x8 2x10 2x12	2 3 3 4	2 3 3 4	2 3 3 4	2 3 3 4	2 3 3 4	2 3 3 4
	TOP PLATE TO TOP PLATE (FACE NAIL)	16" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	8" O.C.
	DOUBLE TOP PLATE LAP SPLICE (FACE NAIL) (4'-0" MINIMUM)	8	12	12	12	12	12	
	SOLE PLATE TO JOIST, RIM JOIST, BAND JOIST OR BLOCKING (FACE NAIL) (NOT AT BRACED PANEL)	16" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	12" O.C.	8" O.C.
	SOLE PLATE TO JOIST, RIM JOIST, BAND JOIST OR BLOCKING (FACE NAIL) (AT BRACED PANEL)	2 @ 16" O.C.	3 @ 16" O.C.	3 @ 16" O.C.	3 @ 16" O.C.	4 @ 16" O.C.	4 @ 16" O.C.	4 @ 16" O.C.
	TOP OR BOTTOM PLATE TO STUD (END NAIL)	3	3	3	3	4	4	4
	TOP OR BOTTOM PLATE TO STUD (TOE NAIL)	3	4	4	4	4	4	4
	DOUBLE TOP PLATE OVERLAP AT CORNERS AND INTERSECTION (FACE NAIL)	2	3	3	3	3	3	
	JOIST TO TOP/SILL PLATE OR GIRDER (TOE NAIL)	3	3	3	3	3	3	3
	RIM JOIST, BAND JOIST OR BLOCKING TO TOP/SILL PLATE (TOE NAIL)	6" O.C.	6" O.C.	6" O.C.	6" O.C.	6" O.C.	6" O.C.	6" O.C.
	BAND OR RIM JOIST TO JOIST (END NAIL)	3	4	4	4	4	4	
	BUILT-UP BEAM AND GIRDERS, (FACE NAIL AT TOP AND BOTTOM)	24" O.C.	24" O.C.	24" O.C.	24" O.C.	24" O.C.	24" O.C.	
	PLUS # AT ENDS OR SPLICES	3	3	3	3	3	3	

NAILS CAN BE PNEUMATIC OR STANDARD PENNY WEIGHT NAILS

ISOLATED FOOTING SCHEDULE

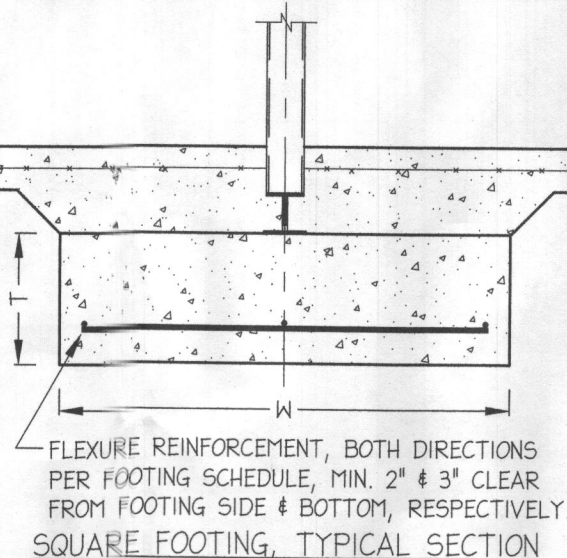
SQUARE, ISOLATED FOOTING SPECIFICATIONS

MARK (F##)	SOIL CLASSIFICATIONS/PRESUMPTIVE BEARING CAPACITIES			
	EQUIVALENT FOOTINGS			
	CL, ML, MH & CH (1500psf)	SM, SP, SM1, SC, GM & GC (2000psf)	(2500psf)	GW, GP (3000psf)
F24	24" x 12"-0	24" x 12"-0	24" x 12"-0	24" x 12"-0
F26	26" x 12"-0	24" x 12"-0	24" x 12"-0	24" x 12"-0
F28	28" x 12"-0	24" x 12"-0	24" x 12"-0	24" x 12"-0
F30	30" x 12"-0	24" x 12"-0	24" x 12"-0	24" x 12"-0
F32	32" x 12"-0	28" x 12"-0	26" x 12"-0	24" x 12"-0
F34	34" x 12"-0	30" x 12"-0	28" x 12"-0	26" x 12"-0
F36	36" x 12"-0	32" x 12"-0	30" x 12"-0	28" x 12"-0
F38	38" x 12"-0	34" x 12"-0	32" x 12"-0	30" x 12"-0
F40	40" x 12"-0	36" x 12"-0	32" x 12"-0	30" x 12"-0
F42	42" x 12"-3	36" x 12"-0	32" x 12"-0	30" x 12"-0
F44	44" x 12"-3	38" x 12"-2	34" x 12"-2	32" x 12"-2
F46	46" x 12"-3	40" x 12"-2	36" x 12"-2	34" x 12"-2
F48	48" x 12"-3	42" x 12"-3	38" x 12"-2	36" x 12"-2
F50	50" x 12"-3	44" x 12"-3	40" x 12"-2	38" x 12"-2
F52	52" x 12"-3	46" x 12"-3	42" x 12"-3	40" x 12"-2
F54	54" x 12"-3	48" x 12"-3	44" x 12"-3	40" x 12"-2
F56	56" x 12"-4	48" x 12"-3	44" x 12"-3	40" x 12"-2
F58	58" x 12"-4	50" x 12"-4	46" x 12"-4	42" x 12"-3
F60	60" x 12"-5	52" x 12"-4	48" x 12"-4	44" x 12"-4
F62	62" x 12"-5	54" x 12"-5	48" x 12"-4	44" x 12"-4
F64	64" x 12"-6	56" x 12"-5	50" x 12"-5	46" x 12"-4
F66	66" x 12"-6	58" x 12"-6	52" x 12"-5	48" x 12"-5
F68	68" x 12"-7	60" x 12"-6	54" x 12"-6	50" x 12"-5
F70	70" x 12"-7	60" x 12"-6	54" x 12"-6	50" x 12"-5
F72	72" x 12"-8	62" x 12"-7	56" x 12"-6	52" x 12"-6
F74	74" x 12"-9	64" x 12"-8	58" x 12"-7	54" x 12"-7
F76	76" x 12"-10	66" x 12"-8	60" x 12"-8	56" x 12"-7
F78	78" x 14"-10	68" x 14"-9	62" x 14"-8	58" x 14"-8
F80	80" x 14"-11	70" x 14"-9	64" x 14"-9	60" x 14"-8
F82	82" x 14"-11	70" x 14"-9	64" x 14"-9	60" x 14"-8
F84	84" x 14"-12	72" x 14"-10	64" x 14"-9	60" x 14"-8
F86	86" x 14"-12	74" x 14"-11	66" x 14"-9	62" x 14"-9
F88	88" x 14"-13	76" x 14"-11	68" x 14"-10	62" x 14"-10
F90	90" x 14"-13	78" x 14"-12	70" x 14"-11	64" x 14"-10
F92	92" x 14"-14	80" x 14"-12	72" x 14"-11	66" x 14"-11
F94	94" x 14"-15	82" x 14"-13	74" x 16"-12	68" x 16"-11
F96	96" x 16"-15	82" x 14"-13	74" x 16"-12	68" x 16"-11

N = NUMBER #4 BOTTOM BARS, EACH WAY

ROUND FOOTING SCHEDULE

MARK (F##)	SOIL CLASSIFICATIONS & PRESUMPTIVE BEARING CAPACITIES			
	EQUIVALENT FOOTINGS			
	CL, ML, MH & CH (1500psf)	SM, SP, SM1, SC, GM & GC (2000psf)	(2500psf)	GW, GP (3000psf)
F12φ	12φ x 12"	F12φ	F12φ	F12φ
F14φ	14φ x 12"	F12φ	F12φ	F12φ
F16φ	16φ x 12"	F14φ	F14φ	F12φ
F18φ	18φ x 12"	F16φ	F14φ	F14φ
F20φ	20φ x 12"	F18φ	F16φ	F14φ
F22φ	22φ x 12"	F20φ	F18φ	F16φ
F24φ	24φ x 12"	F22φ	F20φ	F18φ



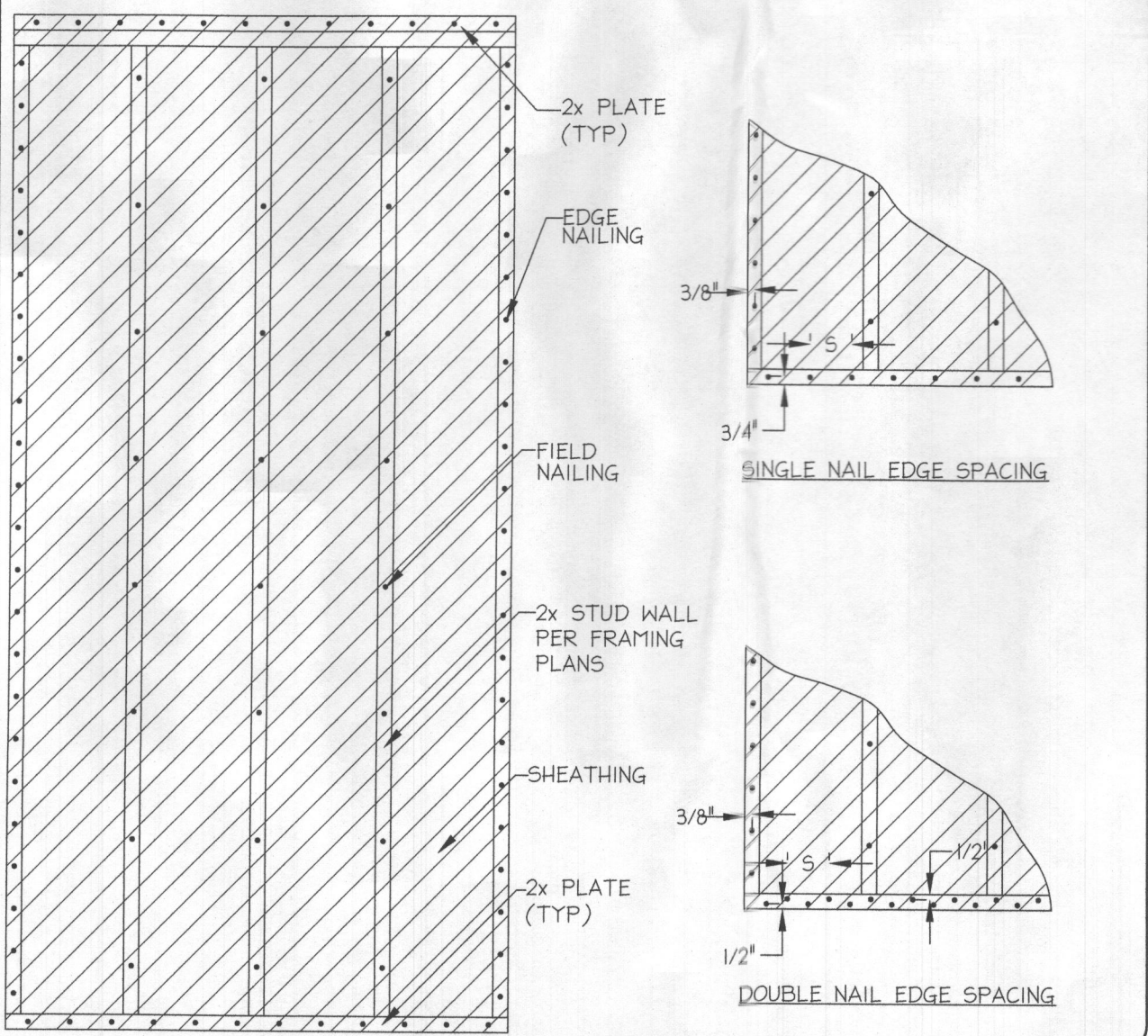
REINFORCEMENT EQUIVALENTS

NUMBER #4 BARS SPEC'D	NUMBER #5 BARS REQ'D
2	2
3-4	3
5-6	4
7	5
8-9	6
10	7
11-12	8
13	9
14-15	10

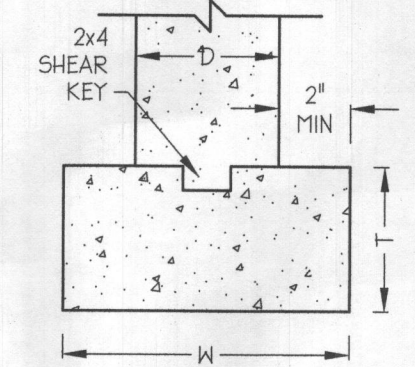
PARTIAL SHEATHING FASTENING SCHEDULE

SHEATHING	FASTENERS	SPACING OF FASTENERS	
		EDGES	BODY OF PANEL
5/8" - 1/2" PLYWOOD	6d COMMON (2"x0.113"φ) (FLOOR, WALL) 8d COMMON (2 1/2"x0.131"φ) (ROOF)	6	12
3/4" - 1" PLYWOOD	8d COMMON (2 1/2"x0.131"φ) OR 10d COMMON (3"x0.148"φ) OR 8d (2 1/2"x0.131"φ) DEFORMED	6	12
1/2" GYPSUM	1 1/2" GALV ROOFING; 1 1/2" GALV STAPLE; 1 1/4" SCREW (TYPE S OR W)	4	8
5/8" GYPSUM	1 3/4" GALV ROOFING; 1 5/8" GALV STAPLE; 1 5/8" SCREW (TYPE S OR W)	4	8

FOR ALTERNATE FASTENERS AND SPACINGS SEE IRC TABLE R602.3(2)



FOUNDATION WALL STRIP FOOTING SCHEDULE



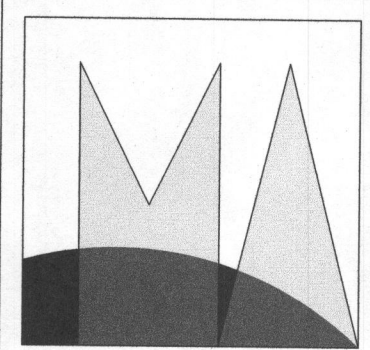
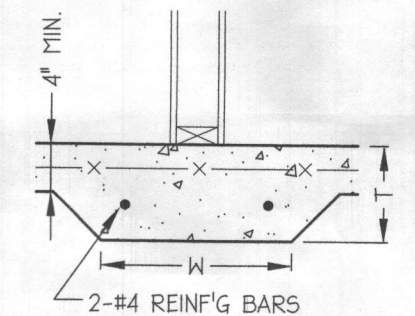
PLAIN CONCRETE FOOTING CONVERSION TABLE

SOIL CLASSIFICATIONS / PRESUMPTIVE BEARING CAPACITIES			
DESIGN CAPACITY (1500 psf)	CL, ML, MH & CH (2000 psf)	(2500 psf)	GW, GP (3000 psf)
SIZE (TxW)	SIZE (TxW)	SIZE (TxW)	SIZE (TxW)
8" x 12"	8" x 12"	8" x 12"	8" x 12"
8" x 24"	8" x 18"	8" x 14"	8" x 14"
10" x 28"	8" x 22"	8" x 18"	8" x 14"
10" x 30"	8" x 22"	8" x 18"	8" x 14"
16" x 40"	10" x 30"	8" x 24"	8" x 20"

NOTES
 • CONCRETE COMPRESSIVE STRENGTH = 3,000 psi
 • REBAR = GRADE 60 DEFORMED

THICKENED SLAB CONVERSION TABLE

SOIL CLASSIFICATIONS / PRESUMPTIVE BEARING CAPACITIES			
DESIGN CAPACITY (1500 psf)	CL, ML, MH & CH (2000 psf)	(2500 psf)	GW, GP (3000 psf)
SIZE (TxW)	SIZE (TxW)	SIZE (TxW)	SIZE (TxW)
TS16	8" x 12"	8" x 12"	8" x 12"
TS18	8" x 16"	8" x 12"	8" x 12"
TS24	8" x 18"	8" x 16"	8" x 12"



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 I certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License Number #31466
 Expiration Date: 2/14/2021

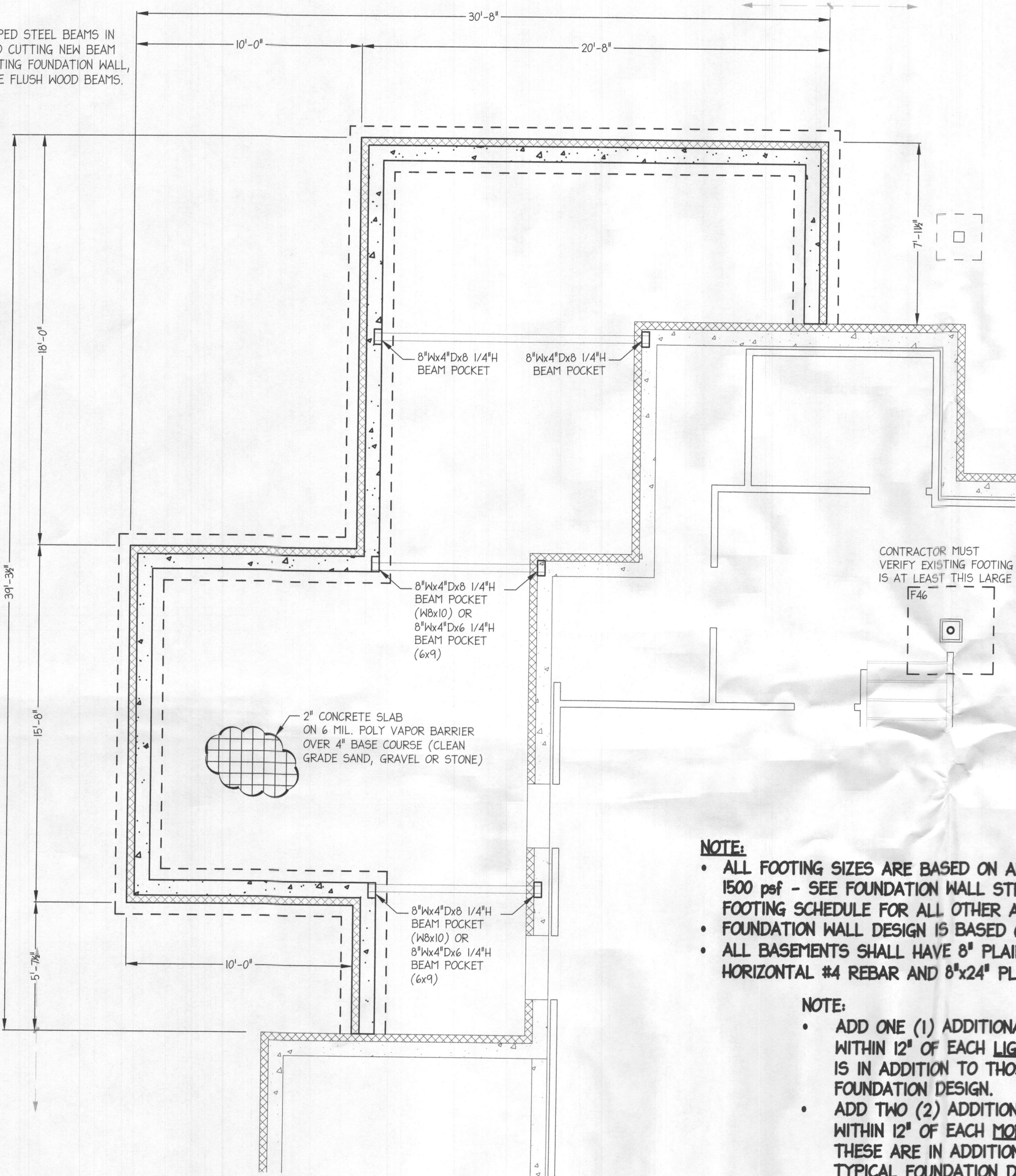
Gemmill Residence
 PROPOSED ADDITION
 2896 Hunt Valley Drive, Glenwood, Maryland 21738

REVISIONS
 5-6-19 REVIEW SET

SCALE:
 STRUCTURAL NOTES

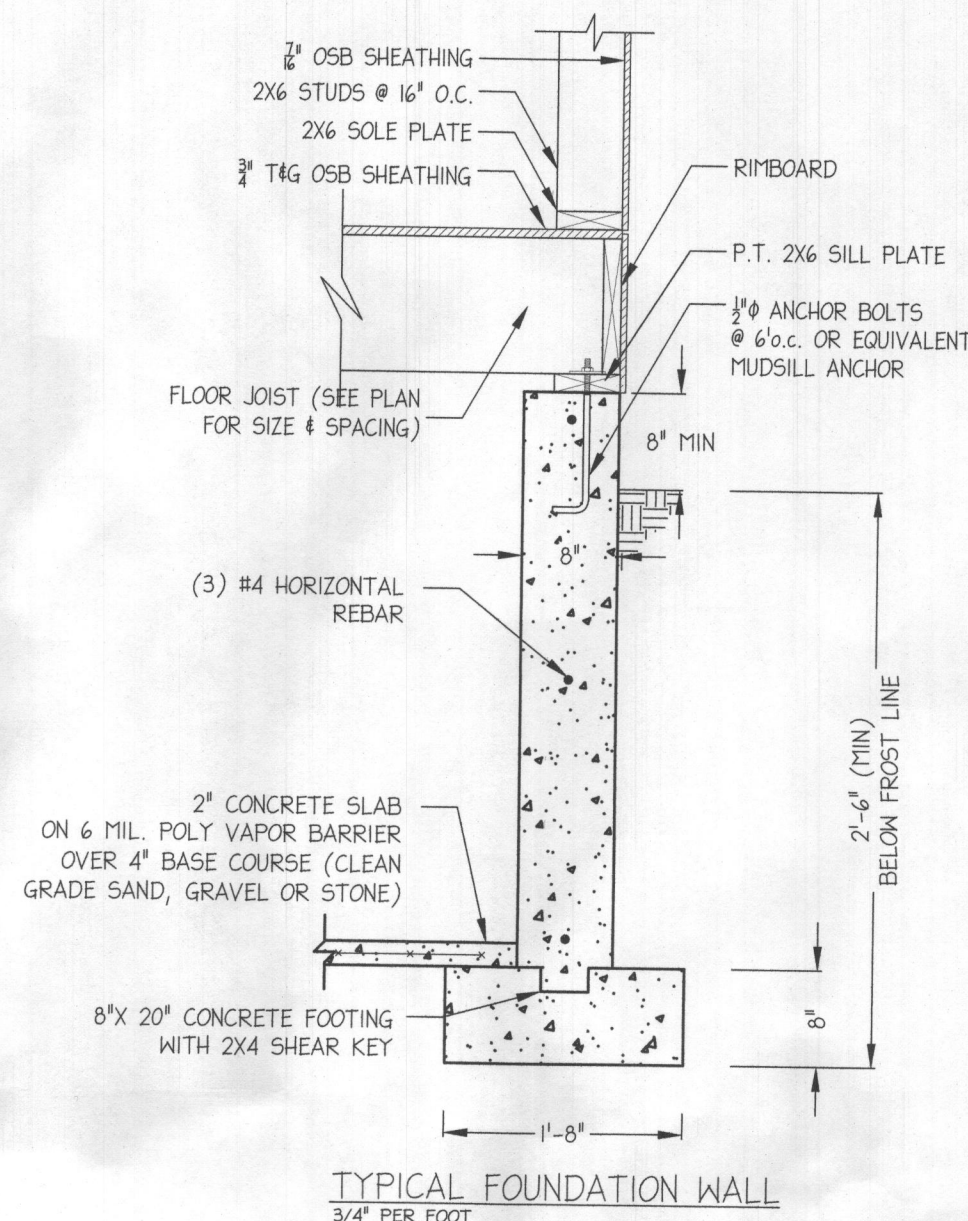
SN.3
 PRINT DATE:
 Thursday, September 26, 2019

NOTE:
IN LIEU OF DROPPED STEEL BEAMS IN CRAWLSPACE AND CUTTING NEW BEAM POCKETS IN EXISTING FOUNDATION WALL, BUILDER MAY USE FLUSH WOOD BEAMS.



FOUNDATION PLAN
1/4" PER FOOT

FOUNDATION DESIGN
BASED ON ACI 332



TYPICAL FOUNDATION WALL
3/4" PER FOOT

NOTE:

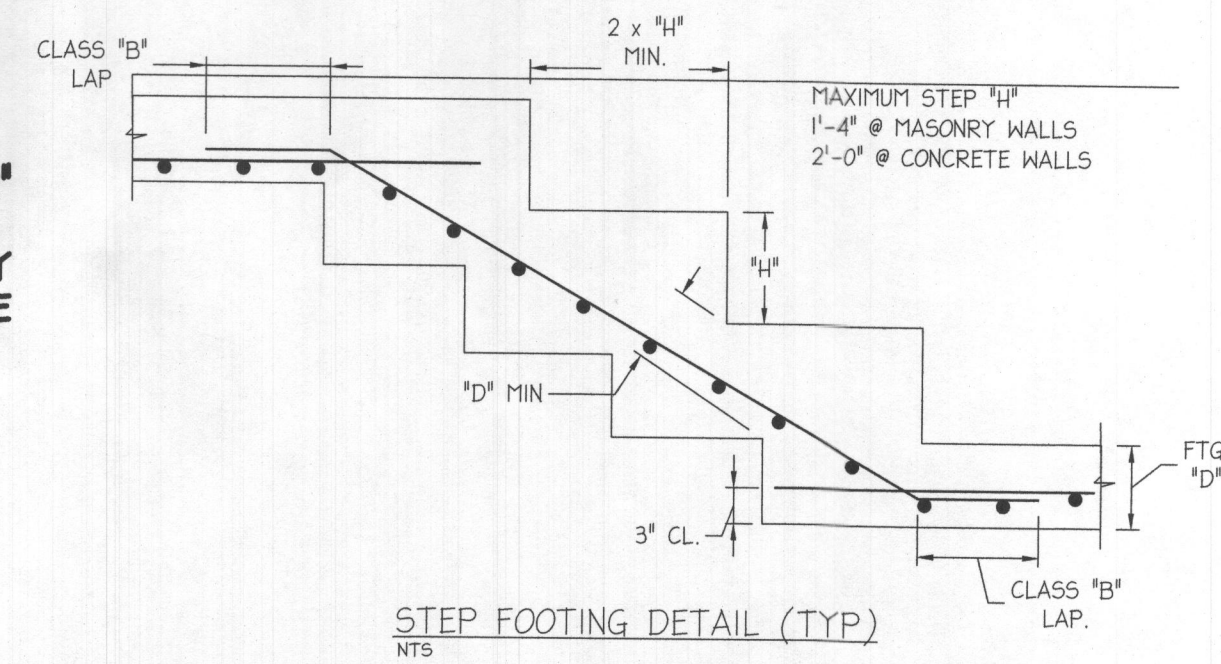
- ALL FOOTING SIZES ARE BASED ON AN ALLOWABLE SOIL BEARING CAPACITY OF 1500 psf - SEE FOUNDATION WALL STRIP FOOTING SCHEDULE AND ISOLATED FOOTING SCHEDULE FOR ALL OTHER ALLOWABLE SOIL BEARING CAPACITIES. (SN.1)
- FOUNDATION WALL DESIGN IS BASED 60 PCF EQUIVALENT FLUID PRESSURE
- ALL BASEMENTS SHALL HAVE 8" PLAIN FOUNDATION WALLS REINFORCED WITH (3) HORIZONTAL #4 REBAR AND 8"x24" PLAIN CONCRETE FOOTINGS. U.N.O.

NOTE:

- ADD ONE (1) ADDITIONAL FOUNDATION ANCHOR BOLT WITHIN 12" OF EACH LIGHT HOLD-DOWN ASSEMBLY. THIS IS IN ADDITION TO THOSE REQUIRED FOR THE TYPICAL FOUNDATION DESIGN.
- ADD TWO (2) ADDITIONAL FOUNDATION ANCHOR BOLTS WITHIN 12" OF EACH MODERATE HOLD-DOWN ASSEMBLY. THESE ARE IN ADDITION TO THOSE REQUIRED FOR THE TYPICAL FOUNDATION DESIGN.

ANCHOR BOLT / HOLD DOWN NOTES:

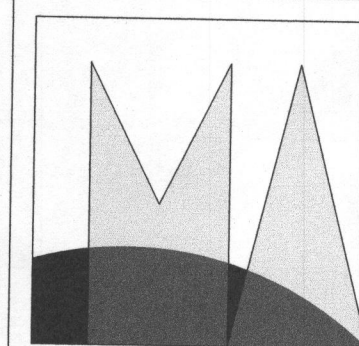
- ALL CAST-IN-PLACE STRAP HOLD DOWNS LOCATED IN CORNERS SHALL BE PLACED 1/2" CLEAR FROM CORNER.
- DIMENSIONS TO HOLD DOWNS LOCATED AWAY FROM CORNERS ARE TO THE CENTER OF THE ANCHOR BOLT OR CAST-IN-PLACE STRAP.



STEP FOOTING DETAIL (TYP)
NTS

FOUNDATION NOTES:

1. Hatched area DENOTES INTERIOR BEARING WALL 2x4 OR 2x6 STUDS @ 16" o.c. UNLESS NOTED OTHERWISE
2. REFER TO ARCHITECTURAL PLANS FOR DIMENSIONS NOT SHOWN.
3. MIN. TREATED 2x6 SILL PLATE SHALL BE SECURED TO FOUNDN w/ MIN 1/2" ANCHOR BOLTS @ 6'-0" o.c PER IRC 2015 R403.1.6.



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Gemmell Residence

PROPOSED ADDITION

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REVISIONS

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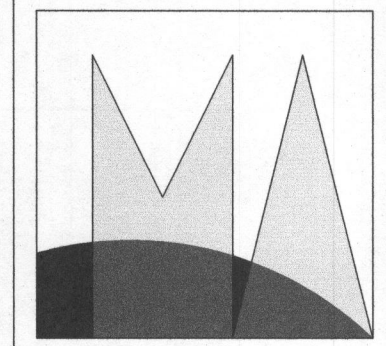
SCALE:

FOUNDATION PLAN

SF.1

PRINT DATE:
Thursday, September 26, 2019

NOTE:
IN LIEU OF DROPPED STEEL BEAMS IN
CRAWLSPACE AND CUTTING NEW BEAM
POCKETS IN EXISTING FOUNDATION WALL,
BUILDER MAY USE FLUSH WOOD BEAMS.

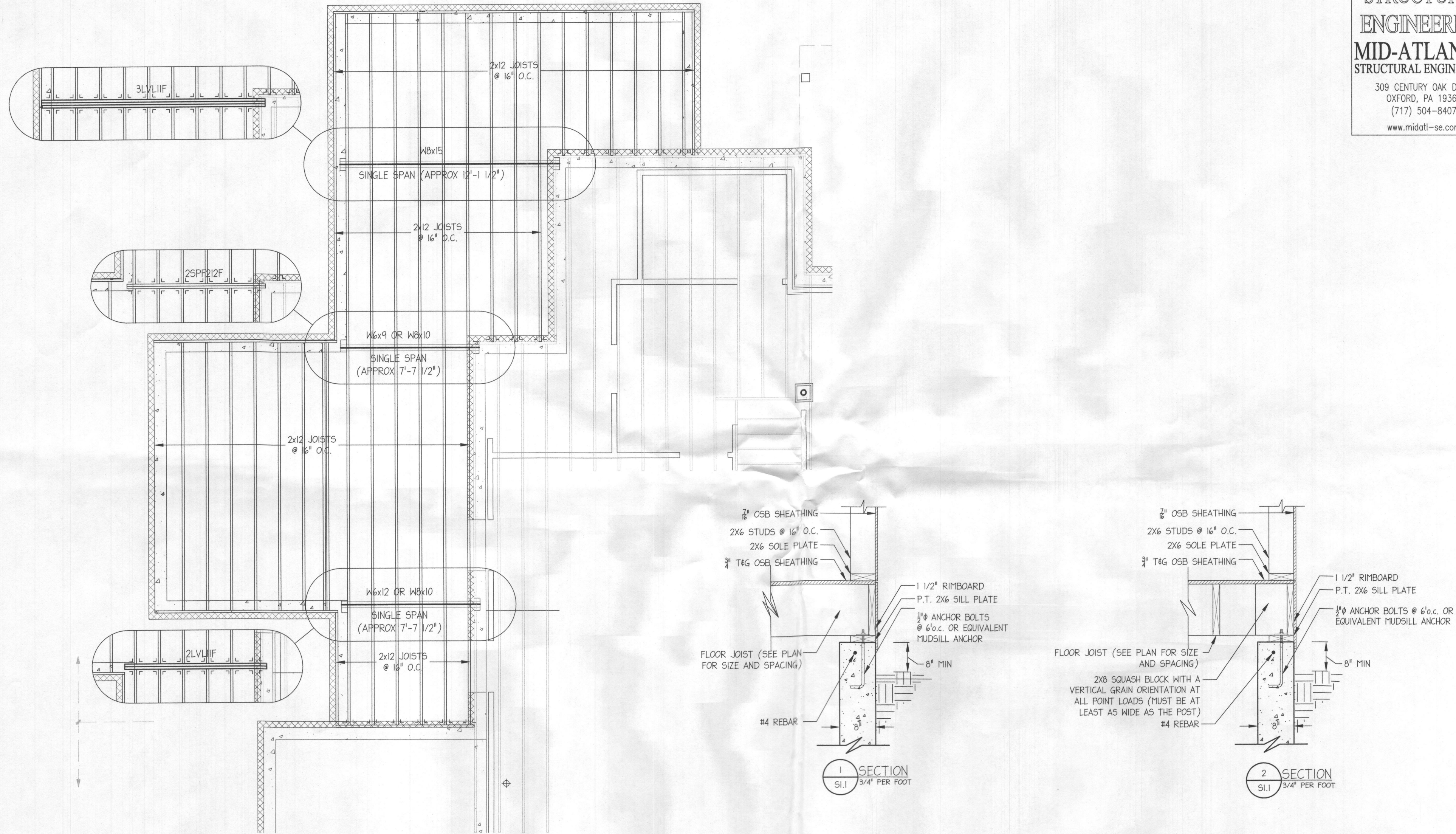


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FIRST FLOOR FRAMING PLAN
1/4" PER FOOT

BEAM & POST SCHEDULE

MARK	SIZE	LUMBER	MARK	SIZE	LUMBER	MARK	SIZE	LUMBER	MARK	SIZE	LUMBER
LVL5	1 3/4" x 5 1/2"	2.0E LVL	LSL4	1 3/4" x 4 3/8"	1.3E LSL	PSL9	3 1/2" x 9 1/4"	2.0E PSL	PSL5x9	5 1/2" x 9 1/4"	2.0E PSL
LVL7	1 3/4" x 7 1/2"	2.0E LVL	LSL5	1 3/4" x 5 3/8"	1.3E LSL	PSL912	3 1/2" x 9 1/4"	2.0E PSL	PSL5x912	5 1/2" x 9 1/4"	2.0E PSL
LVL9	1 3/4" x 9 1/2"	2.0E LVL	LSL7	1 3/4" x 7 3/8"	1.5E LSL	PSL11	3 1/2" x 11 1/8"	2.0E PSL	PSL5x11	5 1/2" x 11 1/8"	2.0E PSL
LVL912	1 3/4" x 9 1/2"	2.0E LVL	LSL9	1 3/4" x 9 3/8"	1.5E LSL	PSL1178	3 1/2" x 11 1/8"	2.0E PSL	PSL5x1178	5 1/2" x 11 1/8"	2.0E PSL
LVL11	1 3/4" x 11 1/2"	2.0E LVL	LSL912	1 3/4" x 9 3/8"	1.5E LSL	PSL14	3 1/2" x 14"	2.0E PSL	PSL5x14	5 1/2" x 14"	2.0E PSL
LVL1178	1 3/4" x 11 1/2"	2.0E LVL	LSL11	1 3/4" x 11 3/8"	1.5E LSL	PSL16	3 1/2" x 16"	2.0E PSL	PSL5x16	5 1/2" x 16"	2.0E PSL
LVL14	1 3/4" x 14"	2.0E LVL	LSL1178	1 3/4" x 11 3/8"	1.5E LSL	PSL18	3 1/2" x 18"	2.0E PSL	PSL5x18	5 1/2" x 18"	2.0E PSL
LVL16	1 3/4" x 16"	2.0E LVL	LSL14	1 3/4" x 14 3/8"	1.5E LSL	PSL20	3 1/2" x 20"	2.2E PSL	PSL5x20	5 1/2" x 20"	2.0E PSL
LVL18	1 3/4" x 18"	2.0E LVL	LSL16	1 3/4" x 16 3/8"	1.5E LSL	PSL24	3 1/2" x 24"	2.2E PSL	PSL5x24	5 1/2" x 24"	2.0E PSL

BEAM MARKS ARE PRECEDED BY # OF PLYS, 1, 2, 3 OR 4 AND END WITH 'F', FLUSH CONDITION INDICATOR, IF APPLICABLE. EXAMPLE: 3SYP28F INDICATES A 3-PLY, SYP#2, 2x8, FLUSH

POST SCHEDULE

SOLID SAWN POSTS

PI 1-2x4# POST (DEFAULT, IF NOT SPECIFIED)

STEEL POSTS

P340 3" STD PIPE

P3540 3 1/2" STD PIPE

P440 4" STD PIPE

P540 5" STD PIPE

P640 6" STD PIPE

P33 3 1/2" x 3 1/2"

P35 3 1/2" x 5 1/2"

P37 3 1/2" x 7"

P55 5 1/2" x 5 1/2"

P57 5 1/2" x 7"

P77 7" x 7"

NOTES:
STD PIPE IS BASED ON STANDARD WEIGHT PIPE OR SCHEDULE 40 PIPE AND MAY BE ADJUSTABLE.
BUILT-UP POSTS SHALL MATCH WALL/ BEAM DIMENSION. EXAMPLE: P3=3-2x6 IN 6" WALL OR UNDER
5 1/2" BEAM. KING POSTS ARE REQ'D @ ALL DROPPED BEARINGS: ONE KING POST w/PI-3 & TWO KING
POSTS w/ ALL OTHER POSTS. EXAMPLE: K2=2-2x

FLOOR FRAMING NOTES:

1. // DENOTES INTERIOR BEARING WALL 2x4 OR 2x6 STUDS @ 16" o.c. UNLESS NOTED OTHERWISE (U.N.O.)
2. ALL EXTERIOR WALLS ARE 2x6 STUDS @ 16" O.C. U.N.O.
3. FLOOR LAYOUT IS SCHEMATIC, SEE MANUFACTURER'S PLAN FOR EXACT LAYOUT, CONSTRUCTION AND MECHANICAL CONNECTIONS. FLOOR MEMBERS ARE SINGLE JOISTS, U.N.O.
4. REFER TO ARCHITECTURAL PLANS FOR DIMENSIONS NOT SHOWN.
5. SECURE BRACED WALL SEGMENT SOLE PLATES TO FLOOR JOIST OR BLOCKS w/3-16d NAILS@16"oc, PER IRC 2015 TABLE 602.3(1).
6. MIN. TREATED 2x6 SILL PLATE SHALL BE SECURED TO FOUND'N w/MIN 1/2" ANCHOR BOLTS @ 6'-0"oc PER IRC 2015 R403.1.6.

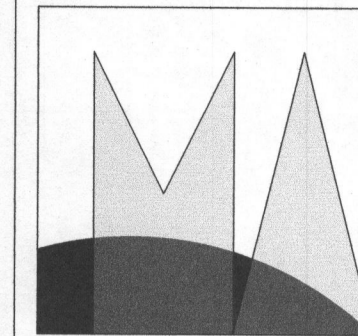
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NO.	DATE	REVISION
5-6-19		REVIEW SET

SCALE:
FIRST FLOOR FRAMING

S1.1
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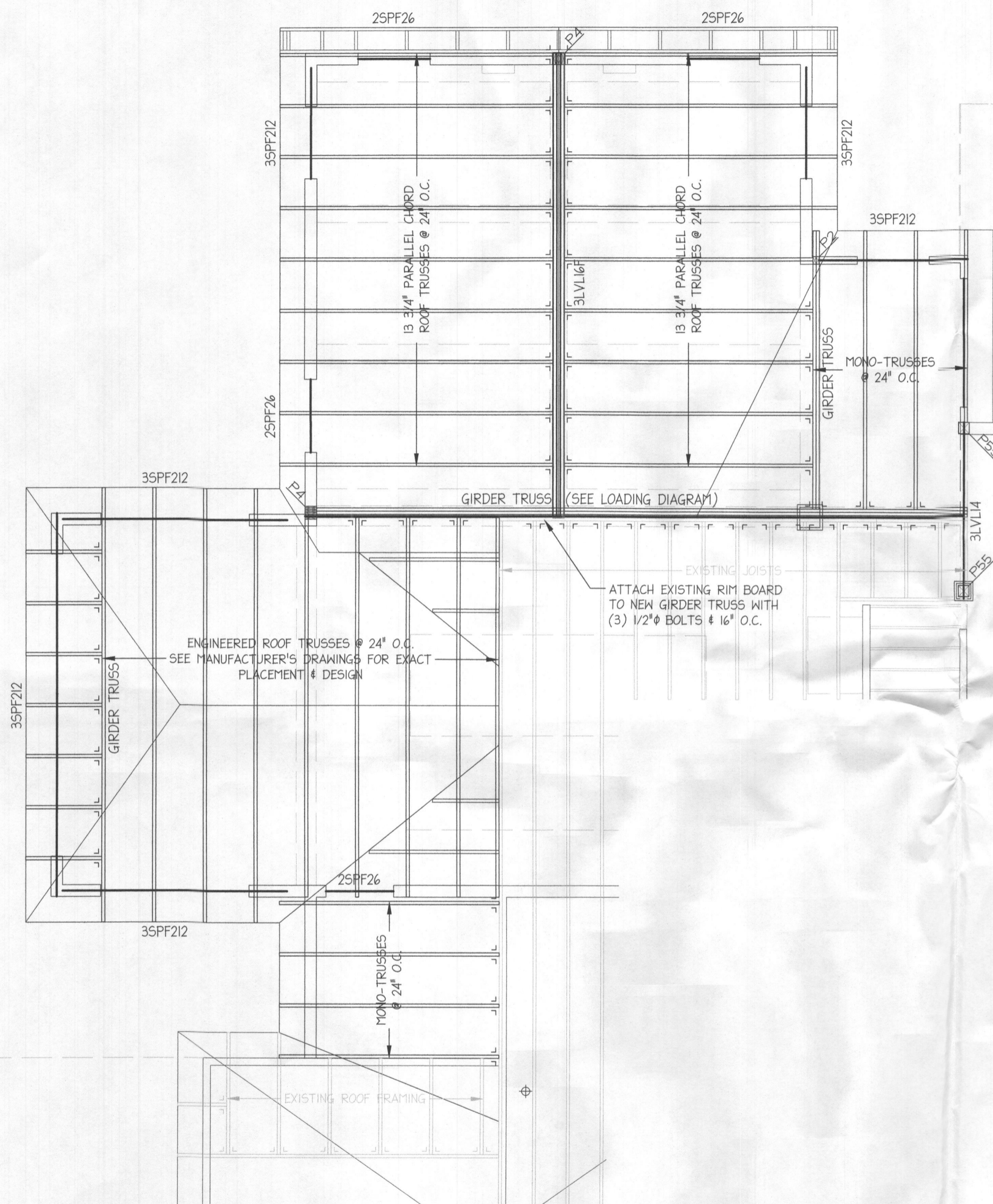
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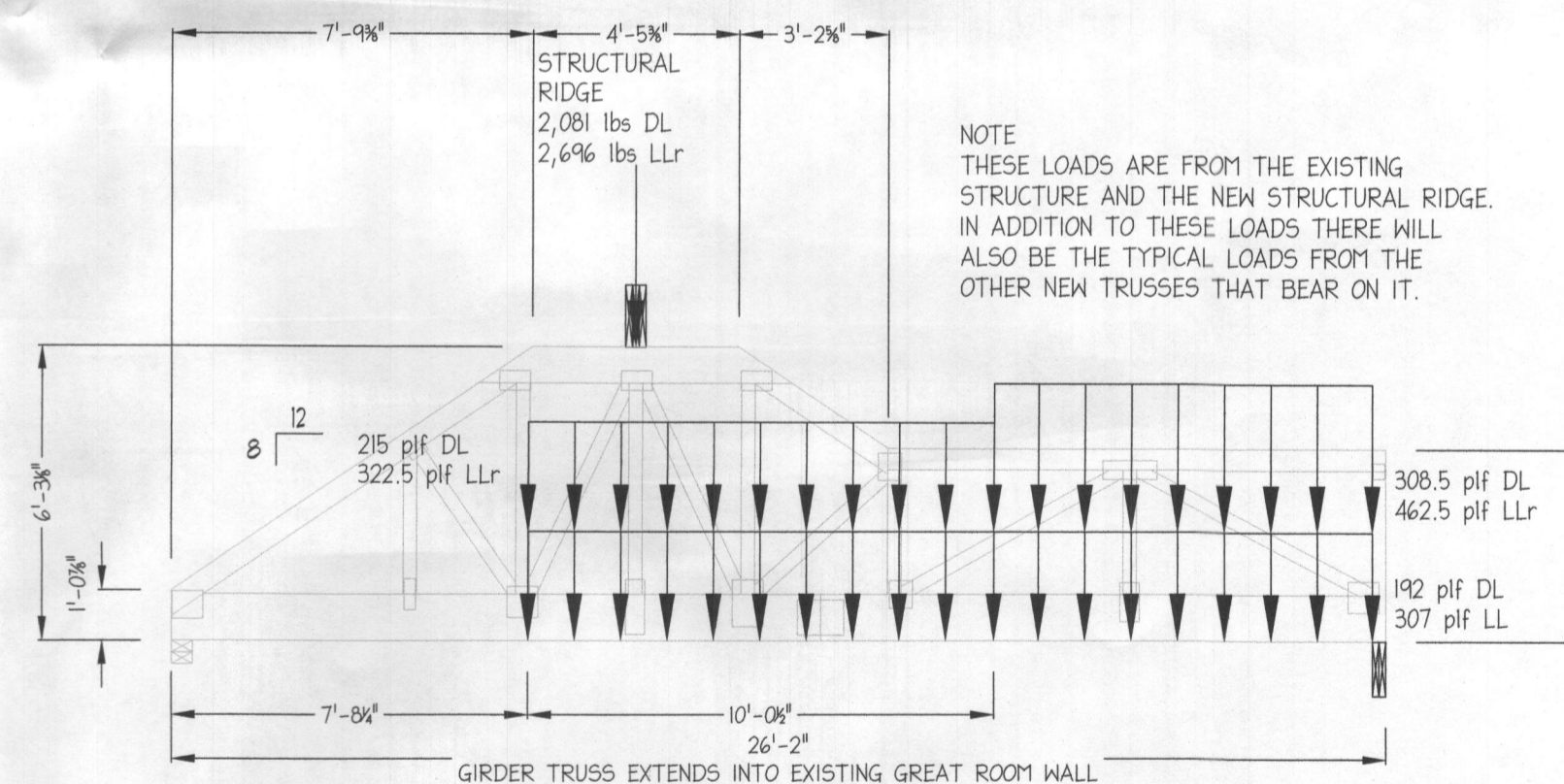
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SECOND FLOOR / ROOF FRAMING PLAN
 1/4" PER FOOT



NOTE
 THESE LOADS ARE FROM THE EXISTING STRUCTURE AND THE NEW STRUCTURAL RIDGE. IN ADDITION TO THESE LOADS THERE WILL ALSO BE THE TYPICAL LOADS FROM THE OTHER NEW TRUSSES THAT BEAR ON IT.

GIRDER TRUSS LOADING
 1/4" PER FOOT

BEAM & POST SCHEDULE

MARK	SIZE	LUMBER	MARK	SIZE	LUMBER	MARK	SIZE	LUMBER	MARK	SIZE	LUMBER				
LVL5	1 3/4" x 5 1/2"	2.0E LVL LSL4	PSL9	3 1/2" x 9 1/2"	2.0E PSL PSL5x9	5 1/2" x 9 1/2"	2.0E PSL	LVL7	1 3/4" x 7 1/2"	2.0E LVL LSL5	PSL912	3 1/2" x 9 1/2"	2.0E PSL PSL5x912	5 1/2" x 9 1/2"	2.0E PSL
LVL9	1 3/4" x 9 1/2"	2.0E LVL LSL7	PSL11	3 1/2" x 11 1/2"	2.0E PSL PSL5x11	5 1/2" x 11 1/2"	2.0E PSL	LVL912	1 3/4" x 9 1/2"	2.0E LVL LSL9	PSL1178	3 1/2" x 11 1/2"	2.0E PSL PSL5x1178	5 1/2" x 11 1/2"	2.0E PSL
LVL11	1 3/4" x 11 1/2"	2.0E LVL LSL912	PSL14	3 1/2" x 14"	2.0E PSL PSL5x14	5 1/2" x 14"	2.0E PSL	LVL1178	1 3/4" x 11 1/2"	2.0E LVL LSL1178	PSL16	3 1/2" x 16"	2.0E PSL PSL5x16	5 1/2" x 16"	2.0E PSL
LVL14	1 3/4" x 14"	2.0E LVL LSL14	PSL18	3 1/2" x 18"	2.0E PSL PSL5x18	5 1/2" x 18"	2.0E PSL	LVL16	1 3/4" x 16"	2.0E LVL LSL16	PSL20	3 1/2" x 20"	2.2E PSL PSL5x20	5 1/2" x 20"	2.0E PSL
LVL16	1 3/4" x 16"	2.0E LVL LSL16	PSL24	3 1/2" x 24"	2.2E PSL PSL5x24	5 1/2" x 24"	2.0E PSL	LVL18	1 3/4" x 18"	2.0E LVL LSL18					

BEAM MARKS ARE PRECEDED BY # OF PLYS, 1, 2, 3 OR 4 AND END WITH 'F', FLUSH CONDITION INDICATOR, IF APPLICABLE. EXAMPLE: 35YP26F INDICATES A 3-PLY, SYP#2, 2x8, FLUSH

POST SCHEDULE

SOLID SAWN POSTS

STEEL POSTS

PSL POSTS (1.8E)

NOTES:
 STD PIPE IS BASED ON STANDARD WEIGHT PIPE OR SCHEDULE 40 PIPE AND MAY BE ADJUSTABLE.
 BUILT-UP POSTS SHALL MATCH WALL/ BEAM DIMENSION. EXAMPLE: P3=3-2x6 IN 6" WALL OR UNDER 5 1/2" BEAM. KING POSTS ARE REQ'D @ ALL DROPPED BEARINGS: ONE KING POST w/PI-3 & TWO KING POSTS w/ ALL OTHER POSTS. EXAMPLE: K2=2-2x

- ROOF & FLOOR FRAMING NOTES:
1. [Hatched pattern] DENOTES INTERIOR BEARING WALL 2x4 OR 2x6 STUDS @ 16" o.c. UNLESS NOTED OTHERWISE (U.N.O.)
 2. ALL EXTERIOR WALLS ARE 2x6 STUDS @ 16" o.c. U.N.O.
 3. FLOOR LAYOUT IS SCHEMATIC, SEE MANUFACTURER'S PLAN FOR EXACT LAYOUT, CONSTRUCTION AND MECHANICAL CONNECTIONS. FLOOR MEMBERS ARE SINGLE JOISTS, U.N.O.
 4. REFER TO ARCHITECTURAL PLANS FOR DIMENSIONS NOT SHOWN.
 5. SECURE BRACED WALL SEGMENT SOLE PLATES TO FLOOR JOIST OR BLOCKS w/3-16d NAILS @ 16"oc, PER IRC 2015 TABLE 602.3(1).
 6. ALL RAFTERS & TRUSSES SHALL BE SECURED SIMPSON H2.5A HURRICANE ANCHORS, OR EQUAL. USE (2) ANCHORS FOR 2-PLY MEMBERS & (2) SIMPSON HTS16 OR EQUAL FOR 3-PLY MEMBERS
 7. SECURE ROOF SHEATHING, TO FRAMING, w/8d NAILS @ 6"oc ALONG PANEL EDGES & 12"oc IN THE FIELD.

REVISIONS

5-6-19	REVIEW SET
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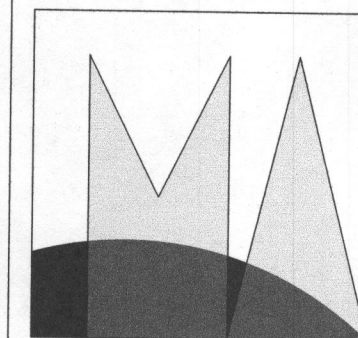
SCALE:

ROOF FRAMING PLAN

SR.1

PRINT DATE:
 Thursday, September 26, 2019

Gemmell Residence
 PROPOSED ADDITION
 2896 Hunt Valley Drive, Glenwood, Maryland 21738



ARCHITECTURE
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PROFESSIONAL CERTIFICATION
I certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland. License Number #31466 Expiration Date: 2/14/2021

Gemmill Residence
PROPOSED ADDITION
2896 Hunt Valley Drive, Glenwood, Maryland 21738

REVISIONS

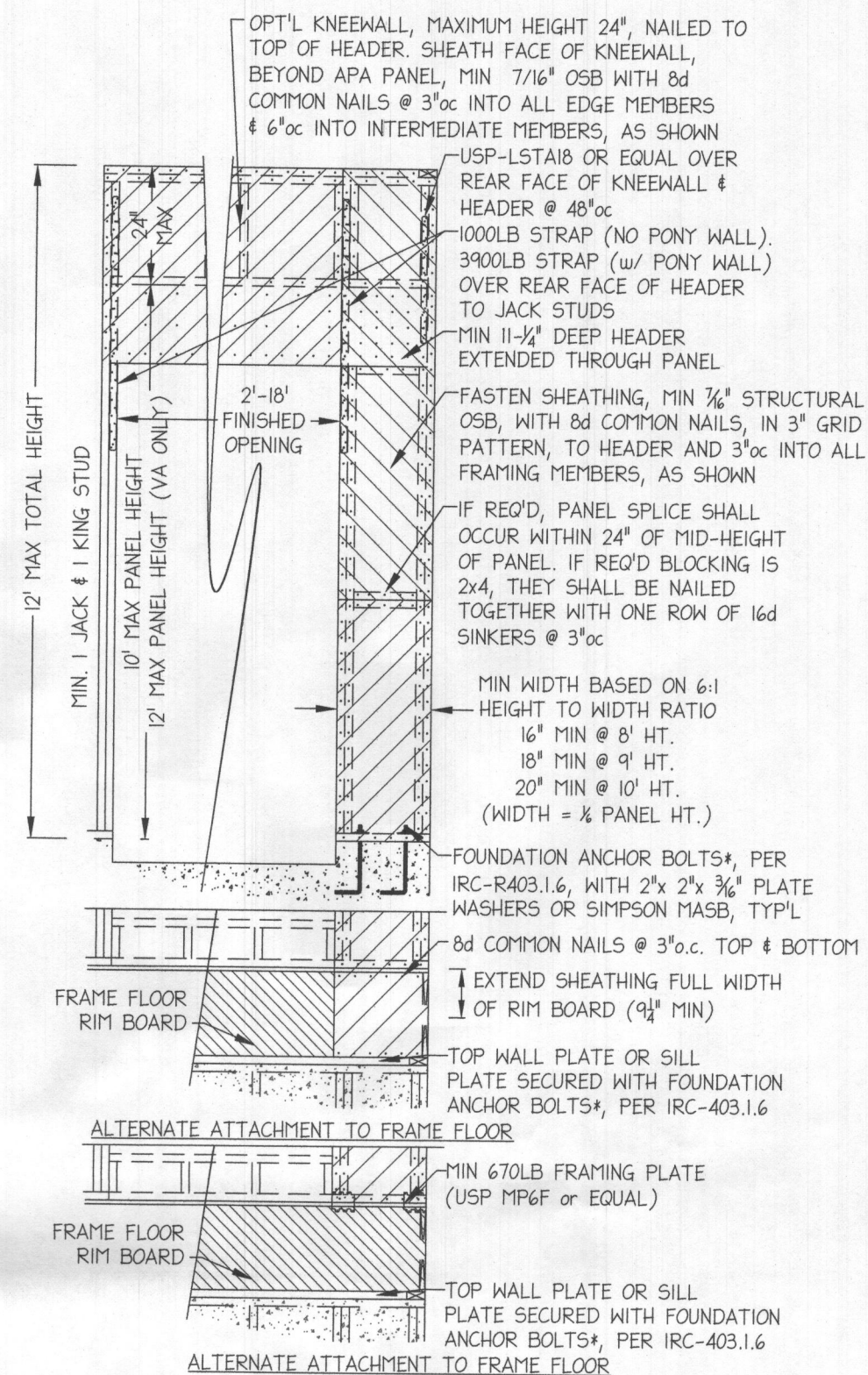
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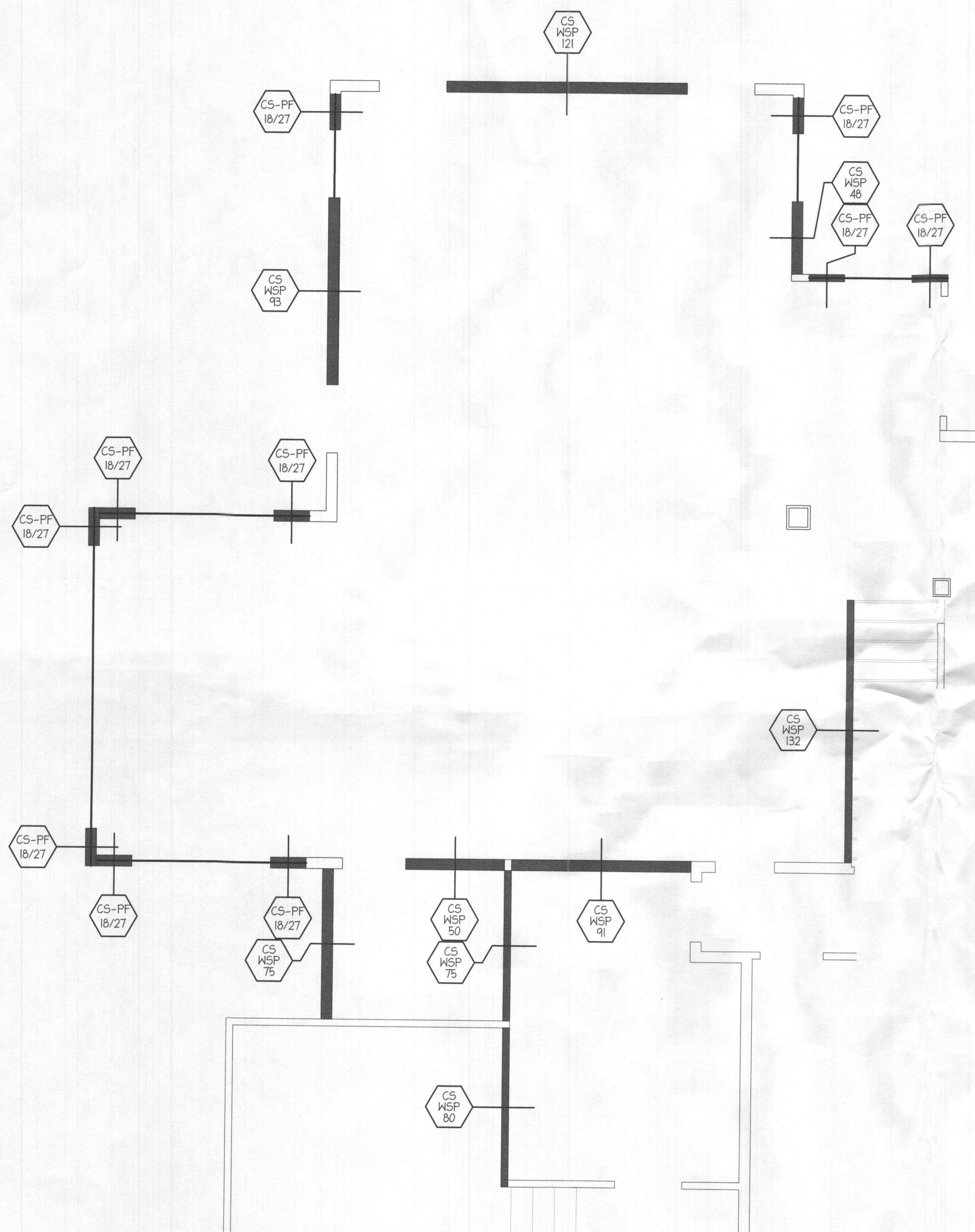
FIRST FLOOR WALL BRACING

WB.1

PRINT DATE:
Thursday, September 26, 2019

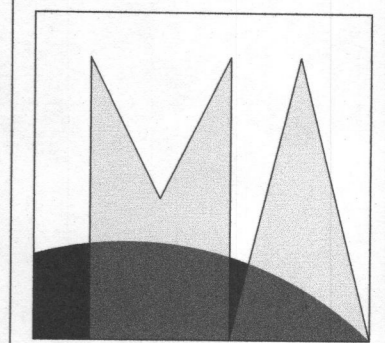


CONTINUOUSLY SHEATHED PORTAL FRAME DETAIL
NTS (SPECIFIED w/ACTUAL WIDTH, IN INCHES)



TYPE	DESCRIPTION*
GB #/#	DENOTES BRACED WALL SEGMENT MIN. WIDTH, IN INCHES, 1/2" GYPSUM BOARD NAILED w/13 ga NAILS @ 7"oc ALONG EDGES AND 12" oc IN THE FIELD, BLOCKED. (SEE IRC R702.3.5 FOR ALTERNATE FASTENING - GB2 DESIGNATES SHEATHING BOTH SIDES.) (#/# DENOTES: ACTUAL PANEL WIDTH, IN INCHES AND CONTRIBUTING LENGTH, IN INCHES)
CS WSP #	DENOTES BRACED WALL SEGMENT MIN. WIDTH, IN INCHES, PER IRC SECTION 602.10, 7/8" OSB OR PLYWOOD SHEATHING, w/8d COMMON EDGE NAILS @ 6"oc, 12"oc IN FIELD, OR 16ga, 7/8" CROWN, 1 1/2" LEG EDGE STAPLES @ 3'oc, 6"oc IN FIELD
WSP #	DENOTES BRACED WALL SEGMENT MIN. WIDTH, IN INCHES, PER IRC SECTION 602.10, 7/8" OSB OR PLYWOOD SHEATHING, w/8d COMMON EDGE NAILS @ 6"oc, 12"oc IN FIELD, OR 16ga, 7/8" CROWN, 1 1/2" LEG EDGE STAPLES @ 3'oc, 6"oc IN FIELD
CS-PF #/#	DENOTES BRACED WALL SEGMENT MIN. WIDTH, IN INCHES, PER IRC SECTION 602.10, 7/8" OSB OR PLYWOOD SHEATHING, NAILED & STRAPPED PER IRC CS-PF METHOD (#/# DENOTES: ACTUAL PANEL WIDTH, IN INCHES AND CONTRIBUTING LENGTH, IN INCHES)
PFH #/#	DENOTES BRACED WALL SEGMENT MIN. WIDTH, IN INCHES, 7/8" OSB OR PLYWOOD SHEATHING, NAILED & STRAPPED, PER IRC PFH METHOD (#/# DENOTES: ACTUAL PANEL WIDTH, IN INCHES AND CONTRIBUTING LENGTH, IN INCHES)

*NOTE: ALL ASSEMBLIES REQ MIN. 2x6 STUDS @ 16"oc AND ALL EXTERIOR WALLS SHALL BE CONTINUOUSLY SHEATHED PER IRC SECTION R602.10. BRACED WALL SEGMENTS SHALL BE SPACED MAXIMUM 20'-0", EDGE TO EDGE, AND SHALL START WITHIN 10'-0" OF EACH END OF BRACED WALL LINES.



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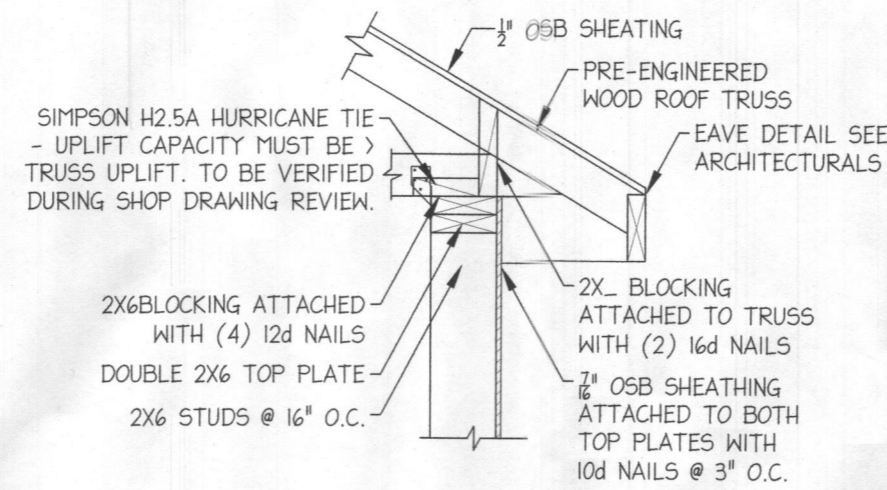
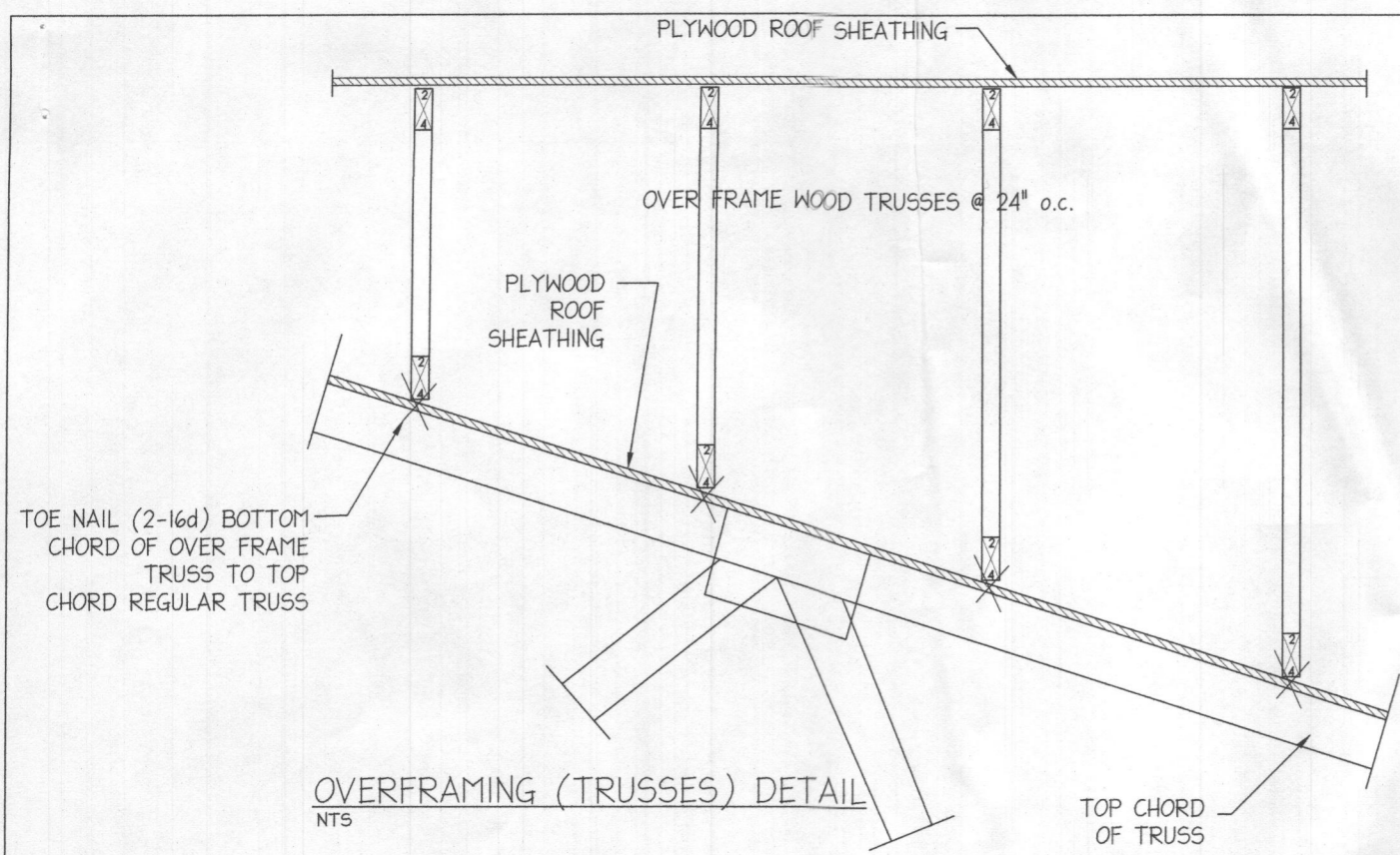
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PROFESSIONAL CERTIFICATION
I certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License Number #31466
Expiration Date: 2/14/2021

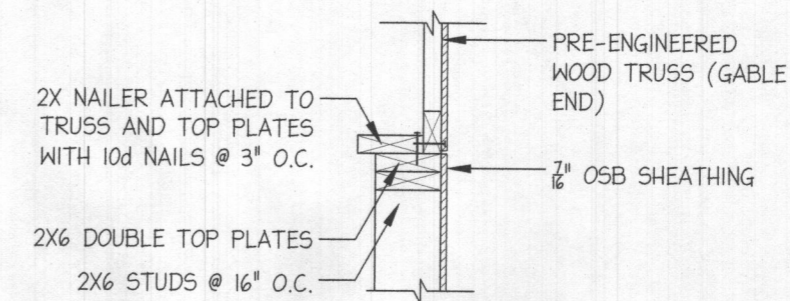
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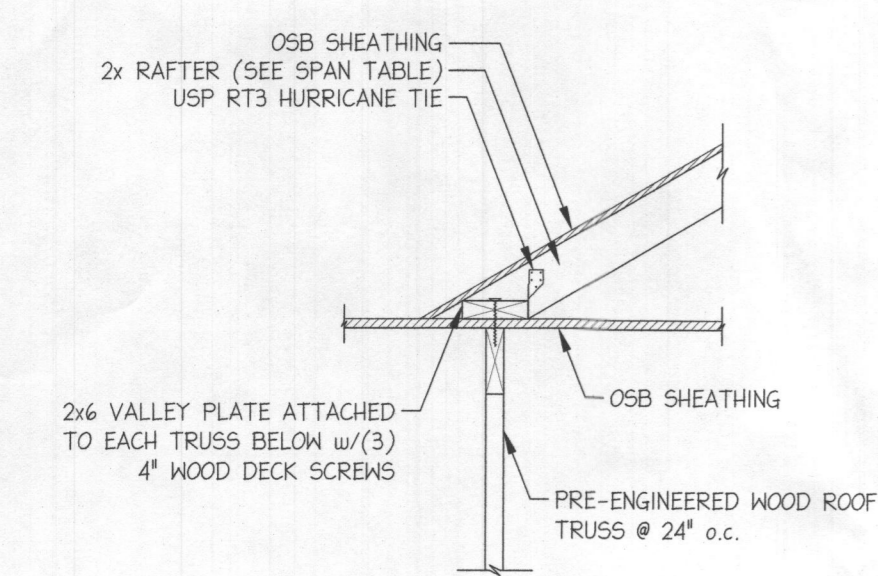
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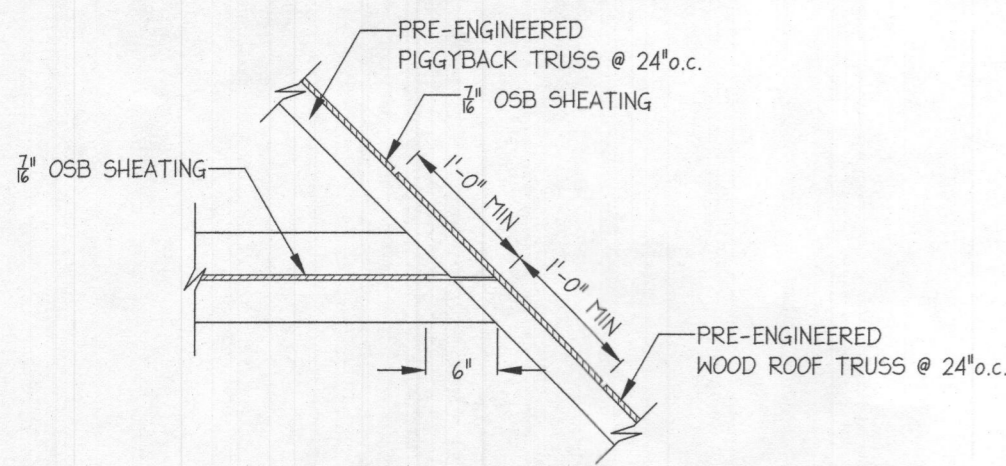
1 SECTION
SD.3 3/4" PER FOOT



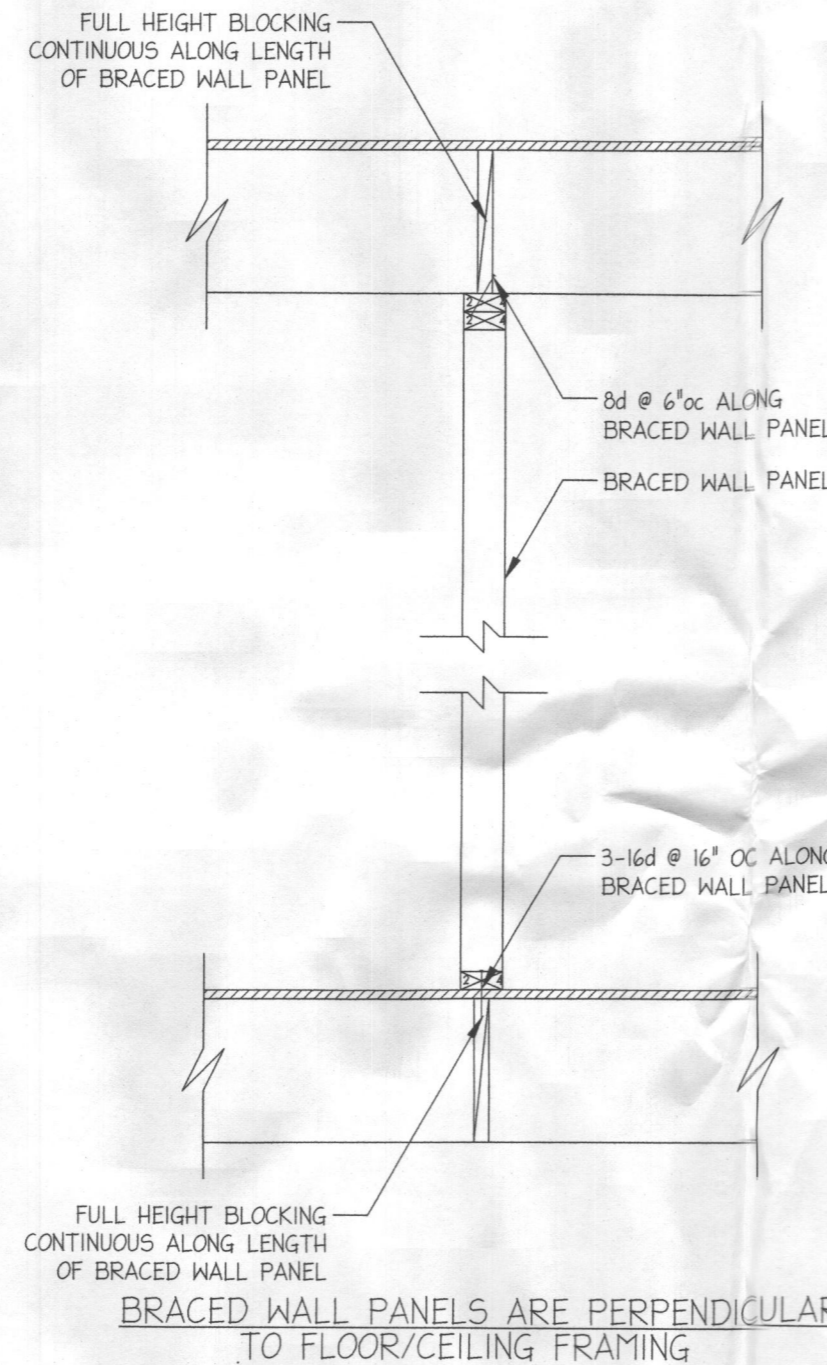
2 SECTION
SD.3 3/4" PER FOOT



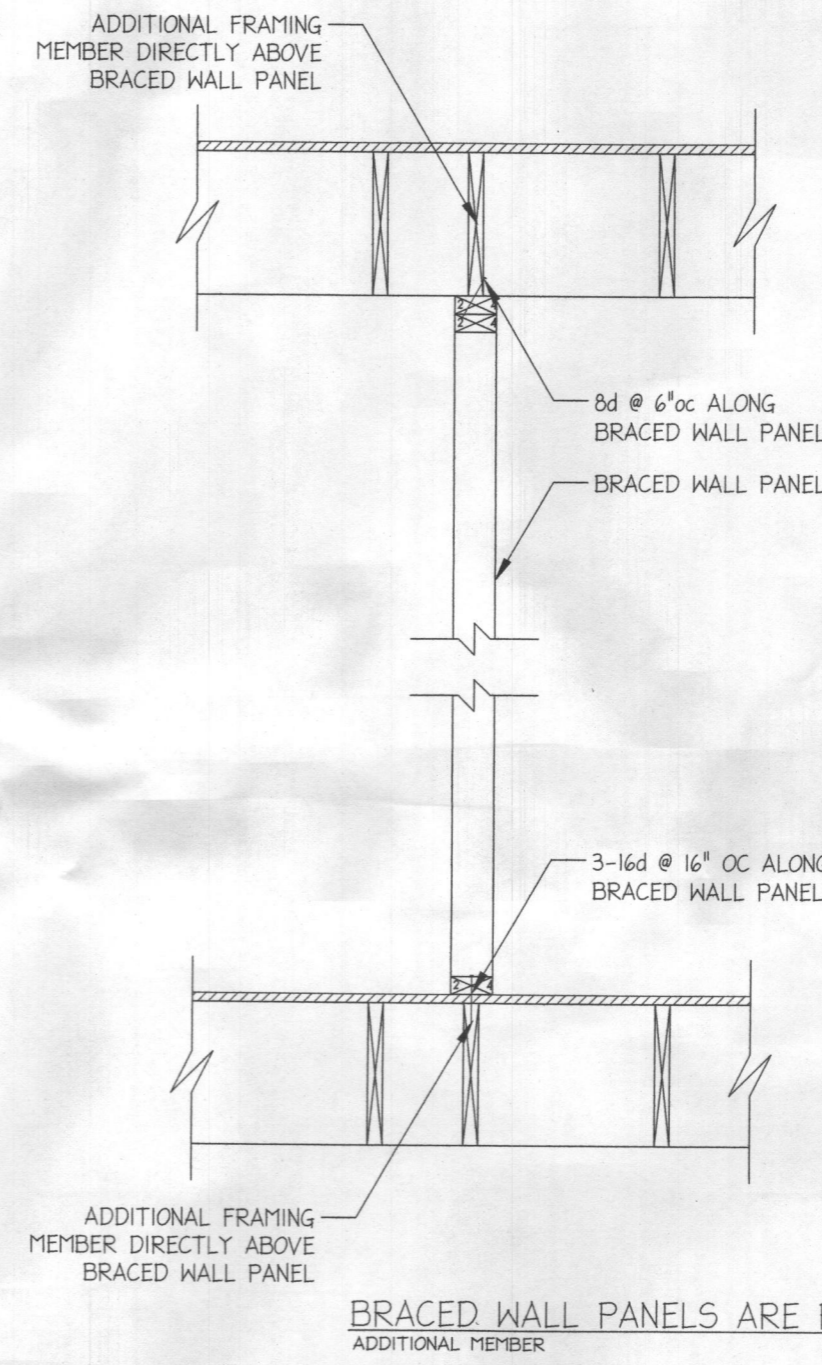
4 TYP OVER FRAMING CONNECTION DETAIL
SD.3 3/4" PER FT



PIGGYBACK TRUSS DETAIL (TYP)
NTS

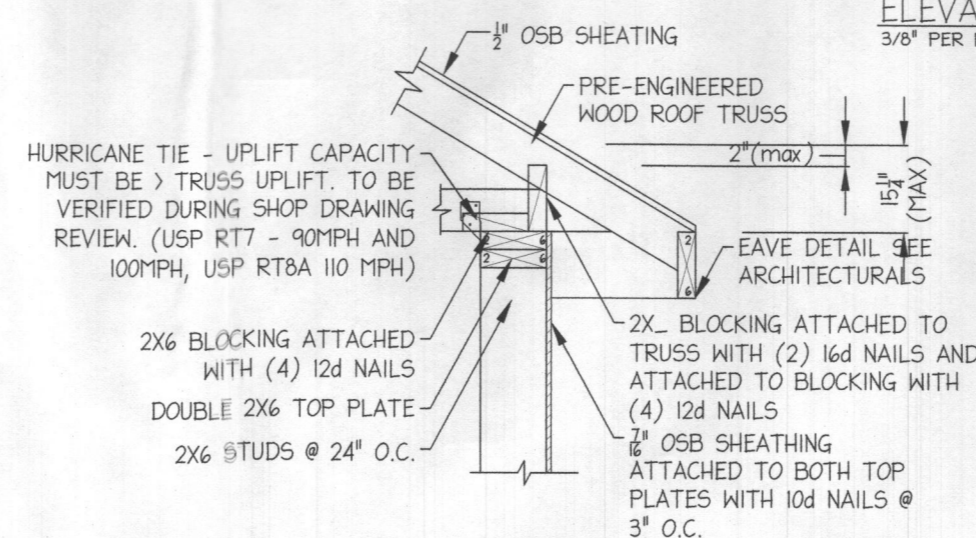
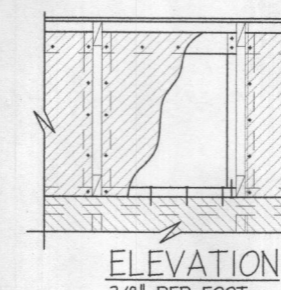


BRACED WALL PANELS ARE PERPENDICULAR TO FLOOR/CEILING FRAMING

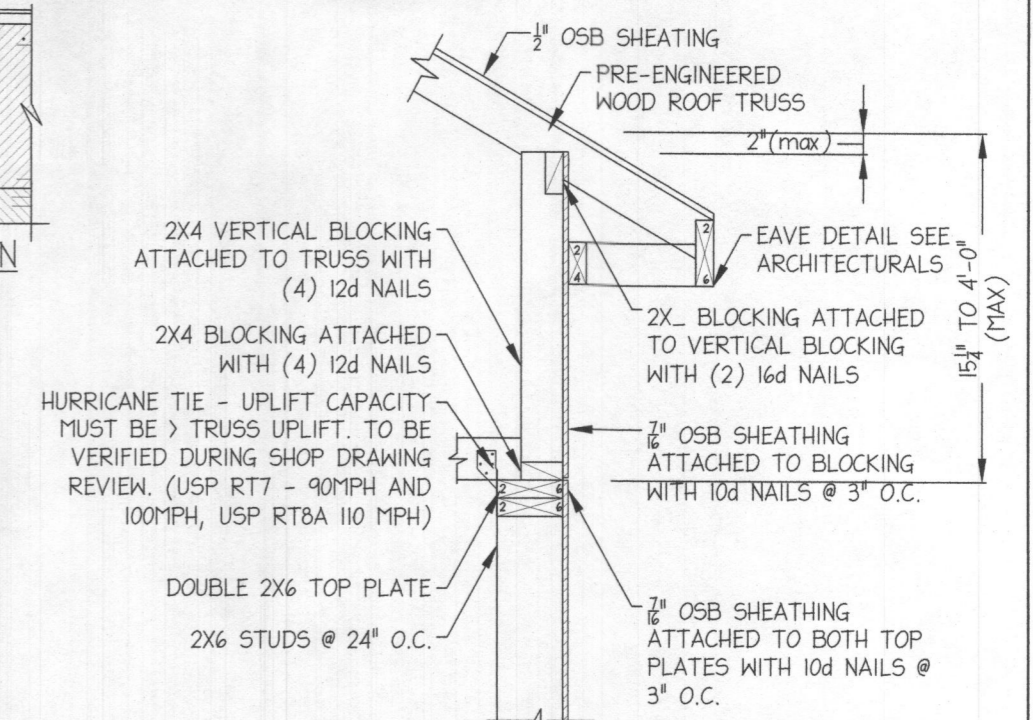


BRACED WALL PANELS ARE PARALLEL TO FLOOR/CEILING FRAMING

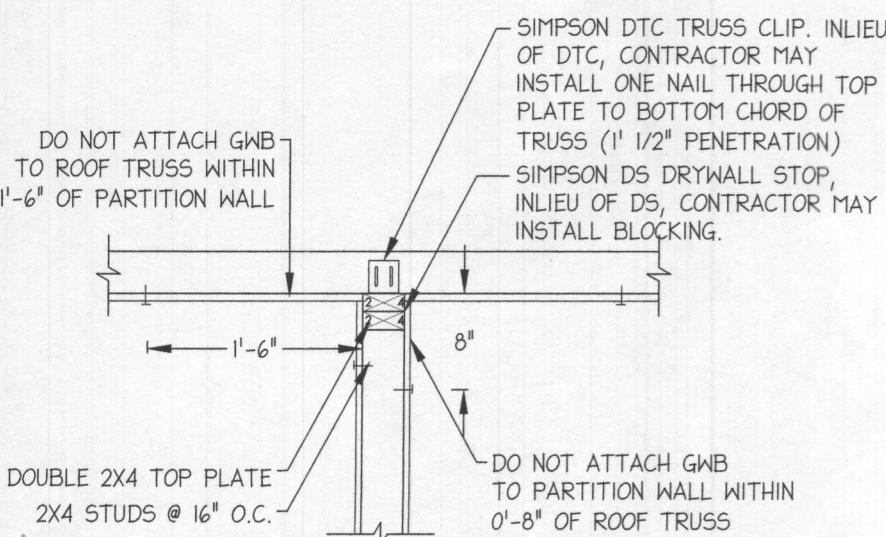
TYPICAL INTERIOR BRACED WALL CONNECTION DETAILS
3/4" PER FOOT



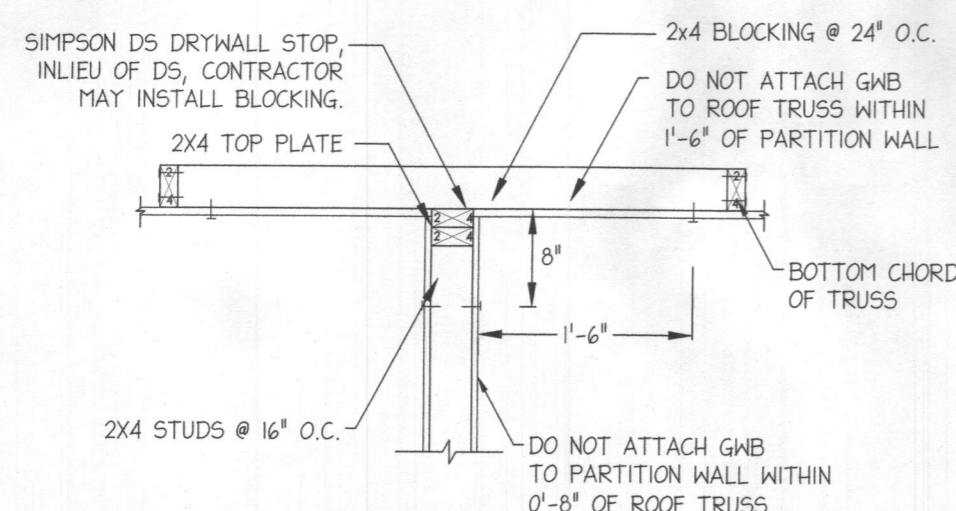
BRACED WALL / SHEAR WALL PANEL CONNECTION
3/4" PER FOOT
HEEL HEIGHT <= 15 1/4"



BRACED WALL / SHEAR WALL PANEL CONNECTION
3/4" PER FOOT
HEEL HEIGHT > 15 1/4" TO <= 4'-0"



PERPENDICULAR PARTITION DETAIL (TYP)
NTS



PARALLEL PARTITION DETAIL (TYP)
NTS

Gemzell Residence

PROPOSED ADDITION

2896 Hunt Valley Drive, Glenwood, Maryland 21738

REVISIONS

5-6-19 REVIEW SET

SCALE:

STRUCTURAL DETAILS

SD.1

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