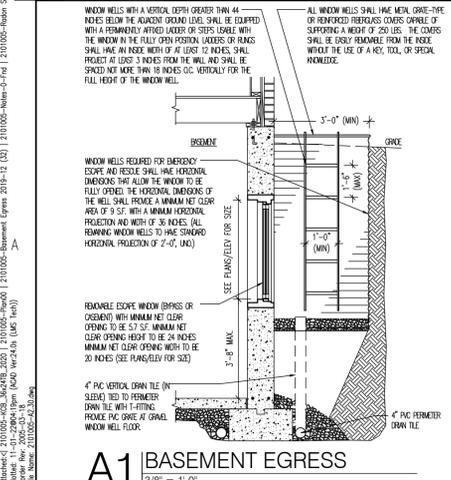
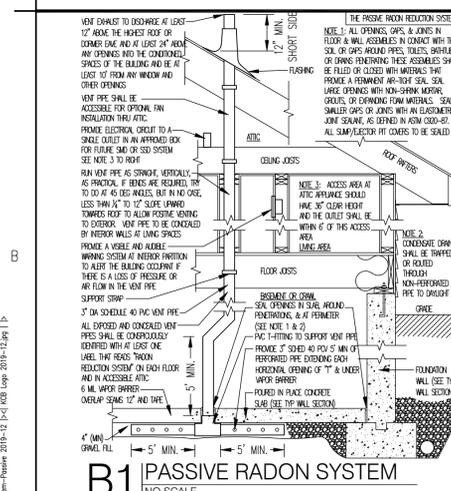
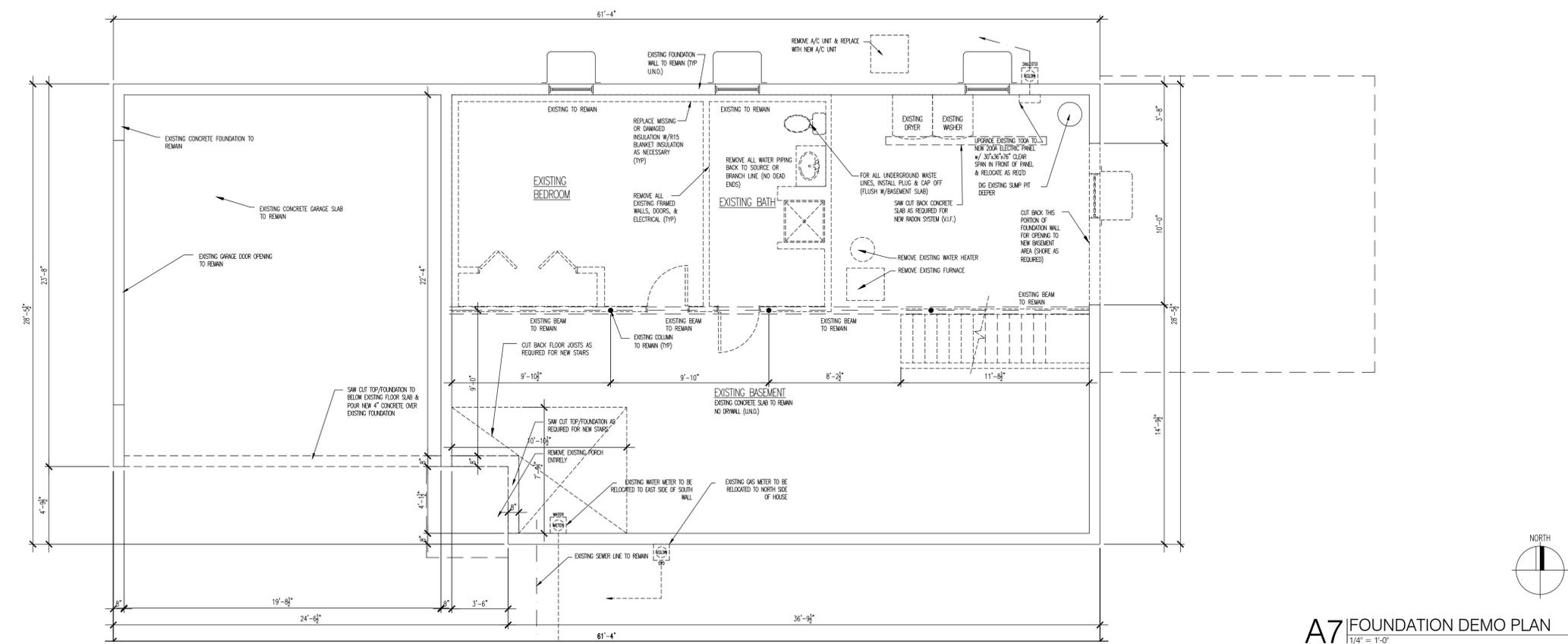
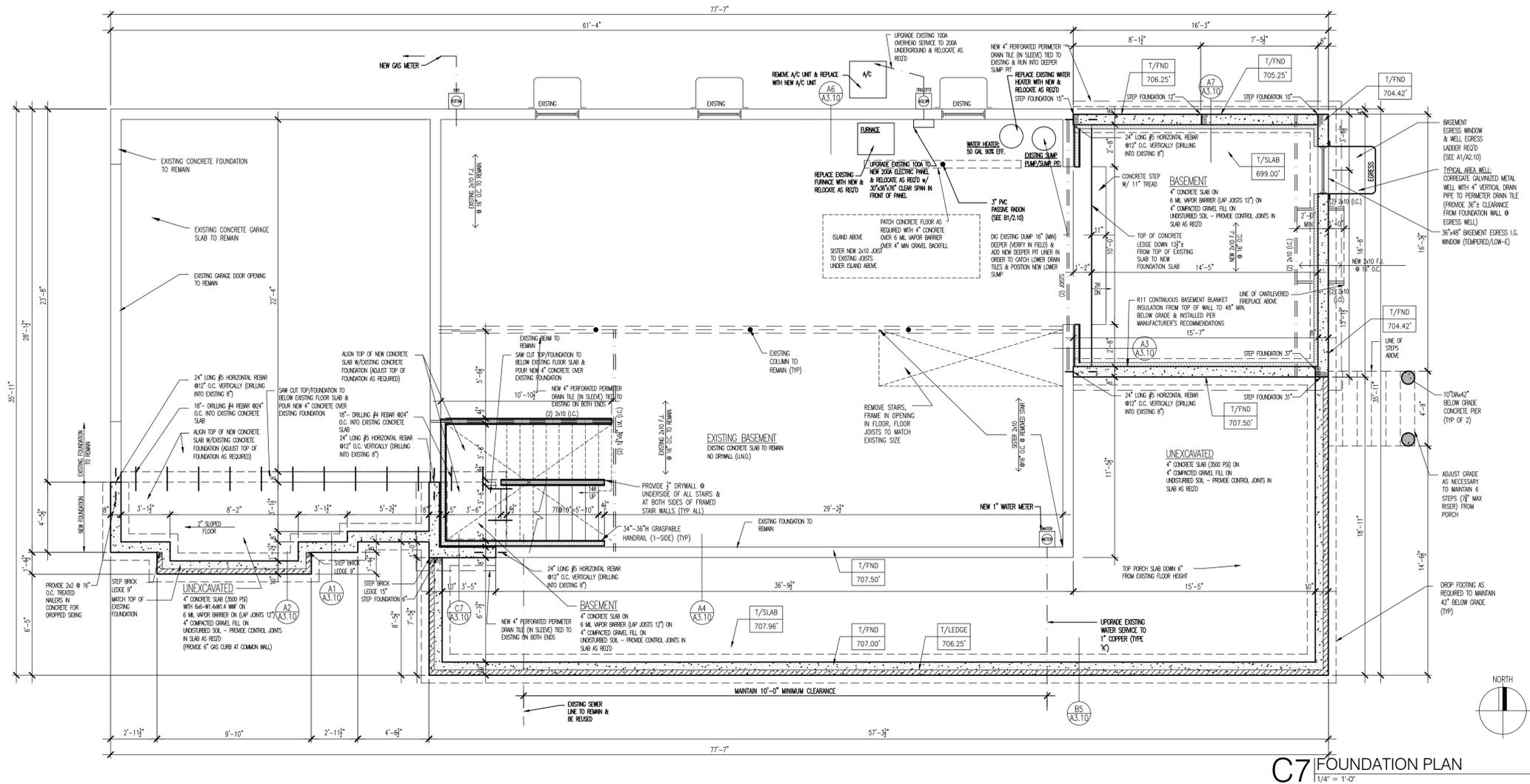


GENERAL FOUNDATION PLAN NOTES:

- ALL CONTRACTORS TO REFER TO ALL NOTES ON SHEET A0.10 FOR ADDITIONAL INFORMATION.
- SECTION 1 FOR GENERAL REQUIREMENTS
- SECTION 2 & 3 FOR EXCAVATION NOTES AND CONCRETE NOTES
- SECTION 4 FOR MASONRY NOTES
- SECTION 5 FOR STEEL NOTES
- SECTION 6, 7, 8, & 9 FOR CARPENTRY, FIRE BLOCKING, MISTURE CONTROL & DOOR-WINDOW NOTES
- SECTION 10, 11, 12 & 13 FOR MECHANICAL, PLUMBING, ELECTRICAL & SMOKE/CO DETECTOR NOTES
- SECTION 14 FOR EDC NOTES
- SECTION 15, 16 & 17 FOR ATTIC/CRAWL ACCESS, MISCELLANEOUS & FINISH NOTES
- SECTION 18 FOR LOCAL AUTHORITY SPECIFIC NOTES.
- FOR BASEMENT EGRESS WINDOWS - SEE DETAIL A1/A2.10.



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ARCHITECT

BUILDER

ISSUANCE

11-01-2022	11-30-2022
DATED	EXPIRES

FOUNDATION PLAN

Ignash House Addition - Remodel
214 N. Laird St, Naperville, IL 60540
for
Dan & Jill Ignash
214 N. Laird St, Naperville, IL 60540

DRAWN BY: MDR
CHECKED BY: MAB

PROJECT NUMBER: 2101005
SHEET NUMBER: A2.10
OF 9 SHEETS

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GENERAL PLAN NOTES:

- REFER TO ALL NOTES ON SHEET A1.0 FOR ADDITIONAL INFORMATION, INCLUDING:
 - SECTION 1 FOR GENERAL REQUIREMENTS
 - SECTION 2 & 3 FOR EXCAVATION NOTES AND CONCRETE NOTES
 - SECTION 4 FOR MASONRY NOTES
 - SECTION 5 FOR STEEL NOTES
 - SECTION 6, 7, 8, & 9 FOR CARPENTRY, FIRE BLOCKING, MOISTURE CONTROL & DOOR-WINDOW NOTES
 - SECTION 10, 11, 12 & 13 FOR MECHANICAL, PLUMBING, ELECTRICAL & SMOKE/DO DETECTOR NOTES
 - SECTION 14 FOR EOC NOTES
 - SECTION 15, 16 & 17 FOR ATTIC/GARAGE ACCESS, MISCELLANEOUS & FINISH NOTES
 - SECTION 18 FOR LOCAL AUTHORITY SPECIFIC NOTES
- SEE TYPICAL WALL SECTIONS ON SHEET A3.10.
- AN AUTOMATIC RESIDENTIAL SPRINKLER SYSTEM SHALL NOT BE REQUIRED FOR NEW CONSTRUCTION WHEN BOTH THE FOLLOWING APPLY: (1) THE UNDERLIE OF ALL INTERIOR STAIRS ARE PROTECTED WITH AT LEAST 5/8" GYPSUM BOARD OR EQUAL & (2) EACH ONE- & TWO-FAMILY DWELLING UNIT SHALL HAVE AT LEAST 2 MEANS OF EGRESS.
- REMOVE PASSIVE PIRANON SYSTEM - SEE FOUNDATION PLAN.
- ALL JOIST/WATERS NOTED AS BEING ENGINEERED - MUST BE BOISE-CASCADE AND ALL SIZING AND SPACING IS BASED ON MANUFACTURER'S RECOMMENDATIONS WITH A DEFLECTION OF L/480. PLEASE NOTE THAT A SERIES DESIGNATION IS ALSO PROVIDED AND THERE MAY BE MORE THAN ONE SERIES SPECIFIED. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. IF NO SERIES IS SPECIFIED, IT IS ASSUMED TO BE BOISE SERIES 80.
- FOR TYPICAL HEADERS, SEE DETAIL C4/A3.10.
- FOR TYPICAL STAIRS, SEE DETAIL C1/A3.10.
- FOR TYPICAL FRAMING, SEE DETAIL C4/A3.10.
- FOR ADVANCE FRAMING, SEE DETAIL C4/A3.10.
- FOR NOTCHING OR DRILLING OF WALLS & JOISTS, SEE D3/A3.10, D4/A3.10 & D5/A3.10.
- UNDER A BEARING WALL PARALLEL WITH THE FLOOR JOISTS PROVIDE DOUBLE JOISTS OR AS NOTED ON THE DRAWINGS. SEE DETAIL C2/A3.10.
- SEE THIS SHEET FOR ALLOWABLE SPANS FOR JOISTS/WATERS. ALL LUMBER IS ASSUMED TO BE SPECIES SPF #2 OR BETTER, UNLESS NOTED OTHERWISE.
- JOIST HANGERS
 - FOR SINGLE JOISTS TIED TO SIDE OF IN CONSTRUCTION BEAM OR DO NOT HAVE AT LEAST 10" BEARING, USE SIMPSON STRONG-TIE JOIST HANGERS (18 GA) OR EQUAL, TYP., U.N.C.
 - FOR DOUBLE JOISTS TIED TO SIDE OF IN CONSTRUCTION BEAM OR DO NOT HAVE AT LEAST 10" BEARING, USE SIMPSON STRONG-TIE LUS210-2 (18 GA) OR EQUAL, TYP., U.N.C.
 - FOR TRIPLE JOISTS TIED TO SIDE OF IN CONSTRUCTION BEAM, USE SIMPSON STRONG-TIE HUS210-3 (18 GA) OR EQUAL, TYP., U.N.C.
- BEAM BOLT NOTE (IF ANY): 3/4" DIA. CARBIDE BOLT (W/NUT, LOCK WASHER, WASHER) @ 16" O.C. & BEAM WIDTH + 2" STAGGERED TOP & BOTTOM W/BOLT @ TOP & BOTTOM @ EACH BEARING END (HOLD IN 2" EACH CASE)
- ADJUST JOIST SPACING AS REQUIRED FOR PLUMBING FIXTURES ABOVE.

DESIGN CRITERIA - MINIMUM UNIFORMED DISTRIBUTED LINE LOADS (IRC TABLE R301.5)

FLOOR	AREA	LINE LOAD (PSF)	LOAD (PSF)
FIRST FLOOR	FLOOR JOISTS	40	10
	SLEEPING AREAS	40	10
	STAIRS	40	10
	UNINHABITABLE ATTICS W/O STORAGE	40	10
SECOND FLOOR	UNINHABITABLE ATTICS W/ LIMITED STORAGE	40	10
	HABITABLE ATTICS/ATTICS WITH FIXED STAIR	30	10
	EXTERIOR BALCONIES & DECKS	40	10
	FIRE ESCAPES	40	10
ROOF WATERS	GUARDRAILS & HANDRAILS	200	50
	PASSENGER VEHICLE GARAGES	50	10

ALLOWABLE DEFLECTIONS (IRC TABLE R301.7)

FLOOR JOISTS	AREA	ALLOWABLE DEFLECTION
DOUG-FIR #2	L/360	
HEM-FR #2	L/240	
ROOF WATERS	L/180	
UNITS SUPPORTING MASONRY	L/600	

FLOOR JOIST SPANS - 40 PSF LIVE / 10 PSF DEAD (T-N)

SPACING	SPECIES & GRADE	2x6	2x8	2x10	2x12
12"	DOUG-FIR #2	10-9	14-2	17-9	20-7
	HEM-FR #2	10-0	13-2	16-10	20-4
	SPF #2	10-3	13-6	17-3	20-7
16"	DOUG-FIR #2	9-9	12-7	15-5	17-10
	HEM-FR #2	9-1	12-0	14-8	17-7
	SPF #2	9-1	12-3	15-5	17-10

FLOOR JOIST SPANS - 30 PSF LIVE / 10 PSF DEAD (T-N)

SPACING	SPECIES & GRADE	2x6	2x8	2x10	2x12
12"	DOUG-FIR #2	11-0	15-7	19-10	23-0
	HEM-FR #2	11-0	14-6	18-6	22-6
	SPF #2	11-3	14-11	19-0	23-0
16"	DOUG-FIR #2	10-9	12-1	16-11	19-11
	HEM-FR #2	10-8	13-2	17-8	19-8
	SPF #2	10-3	13-6	18-11	19-11

CEILING JOIST SPANS - 20 PSF LIVE / 10 PSF DEAD (T-N)

SPACING	SPECIES & GRADE	2x4	2x6	2x8	2x10
12"	DOUG-FIR #2	9-10	15-0	19-1	23-3
	HEM-FR #2	9-2	14-5	18-6	22-7
	SPF #2	9-3	14-8	18-8	22-11
16"	DOUG-FIR #2	8-11	13-0	16-6	20-2
	HEM-FR #2	8-4	12-8	16-0	19-7
	SPF #2	8-7	12-10	16-3	19-10

ROOF WATERS SPANS - 30 PSF LIVE / 10 PSF DEAD (T-N)

SPACING	SPECIES & GRADE	2x4	2x6	2x8	2x10	2x12
12"	DOUG-FIR #2	8-7	13-6	17-8	21-7	25-1
	HEM-FR #2	9-0	12-7	16-7	21-0	24-4
	SPF #2	8-3	13-2	17-0	21-4	24-8
16"	DOUG-FIR #2	7-10	12-1	15-4	18-9	21-8
	HEM-FR #2	7-3	11-5	14-11	18-2	21-1
	SPF #2	7-6	11-9	15-1	18-5	21-5

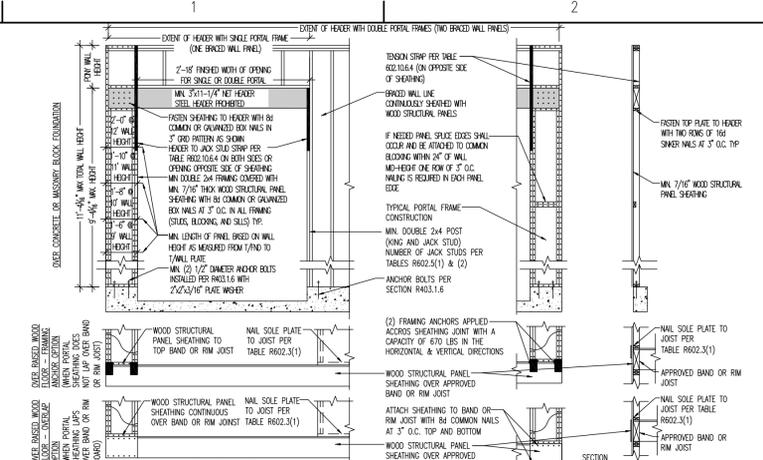
Residential Floor Span Tables

About Floor Performance

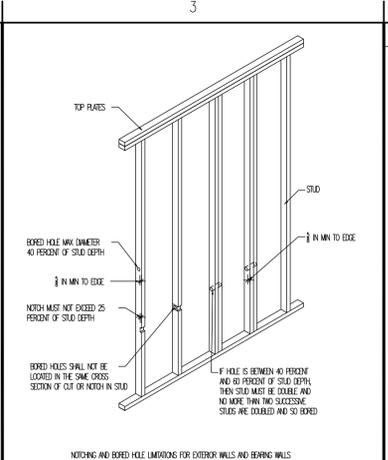
Homeowner's expectations and opinions vary greatly due to the subjective nature of rating a new floor. Contractors should educate the ultimate end user to obtain their expectation in writing. Vibration is usually the cause of most complaints, resulting in the floor being rated poorly. However, squeaks may occur if not installed properly. Squeaking in joist joists together, does not affect the performance of the floor's performance. The most common methods used to increase the performance and reduce vibration of wood floor systems is to:

- 1. Increase the joist depth, limit joist deflection, glue and screw a blocking system and groove subfloor, install the joists vertically plumb with level-bearing supports, and install a direct-attached floor.
- 2. The floor span tables below offer three very different performance options, based on performance requirements of the homeowner.

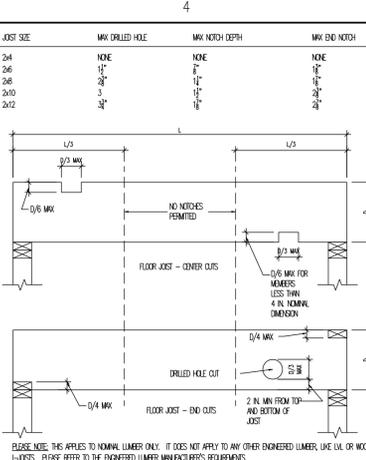
Joist	THREE STAR ***			FOUR STAR ****			MINIMUM DEFLECTION		
	12"	16"	24"	12"	16"	24"	12"	16"	24"
800 L 1.8	17'-4"	18'-4"	19'-4"	17'-4"	18'-4"	19'-4"	17'-4"	18'-4"	19'-4"
800 L 1.8	18'-4"	19'-4"	20'-4"	18'-4"	19'-4"	20'-4"	18'-4"	19'-4"	20'-4"
800 L 1.8	19'-4"	20'-4"	21'-4"	19'-4"	20'-4"	21'-4"	19'-4"	20'-4"	21'-4"
800 L 1.8	20'-4"	21'-4"	22'-4"	20'-4"	21'-4"	22'-4"	20'-4"	21'-4"	22'-4"
800 L 1.8	21'-4"	22'-4"	23'-4"	21'-4"	22'-4"	23'-4"	21'-4"	22'-4"	23'-4"
800 L 1.8	22'-4"	23'-4"	24'-4"	22'-4"	23'-4"	24'-4"	22'-4"	23'-4"	24'-4"
800 L 1.8	23'-4"	24'-4"	25'-4"	23'-4"	24'-4"	25'-4"	23'-4"	24'-4"	25'-4"
800 L 1.8	24'-4"	25'-4"	26'-4"	24'-4"	25'-4"	26'-4"	24'-4"	25'-4"	26'-4"
800 L 1.8	25'-4"	26'-4"	27'-4"	25'-4"	26'-4"	27'-4"	25'-4"	26'-4"	27'-4"
800 L 1.8	26'-4"	27'-4"	28'-4"	26'-4"	27'-4"	28'-4"	26'-4"	27'-4"	28'-4"
800 L 1.8	27'-4"	28'-4"	29'-4"	27'-4"	28'-4"	29'-4"	27'-4"	28'-4"	29'-4"
800 L 1.8	28'-4"	29'-4"	30'-4"	28'-4"	29'-4"	30'-4"	28'-4"	29'-4"	30'-4"
800 L 1.8	29'-4"	30'-4"	31'-4"	29'-4"	30'-4"	31'-4"	29'-4"	30'-4"	31'-4"
800 L 1.8	30'-4"	31'-4"	32'-4"	30'-4"	31'-4"	32'-4"	30'-4"	31'-4"	32'-4"
800 L 1.8	31'-4"	32'-4"	33'-4"	31'-4"	32'-4"	33'-4"	31'-4"	32'-4"	33'-4"
800 L 1.8	32'-4"	33'-4"	34'-4"	32'-4"	33'-4"	34'-4"	32'-4"	33'-4"	34'-4"
800 L 1.8	33'-4"	34'-4"	35'-4"	33'-4"	34'-4"	35'-4"	33'-4"	34'-4"	35'-4"
800 L 1.8	34'-4"	35'-4"	36'-4"	34'-4"	35'-4"	36'-4"	34'-4"	35'-4"	36'-4"
800 L 1.8	35'-4"	36'-4"	37'-4"	35'-4"	36'-4"	37'-4"	35'-4"	36'-4"	37'-4"
800 L 1.8	36'-4"	37'-4"	38'-4"	36'-4"	37'-4"	38'-4"	36'-4"	37'-4"	38'-4"
800 L 1.8	37'-4"	38'-4"	39'-4"	37'-4"	38'-4"	39'-4"	37'-4"	38'-4"	39'-4"
800 L 1.8	38'-4"	39'-4"	40'-4"	38'-4"	39'-4"	40'-4"	38'-4"	39'-4"	40'-4"
800 L 1.8	39'-4"	40'-4"	41'-4"	39'-4"	40'-4"	41'-4"	39'-4"	40'-4"	41'-4"
800 L 1.8	40'-4"	41'-4"	42'-4"	40'-4"	41'-4"	42'-4"	40'-4"	41'-4"	42'-4"
800 L 1.8	41'-4"	42'-4"	43'-4"	41'-4"	42'-4"	43'-4"	41'-4"	42'-4"	43'-4"
800 L 1.8	42'-4"	43'-4"	44'-4"	42'-4"	43'-4"	44'-4"	42'-4"	43'-4"	44'-4"
800 L 1.8	43'-4"	44'-4"	45'-4"	43'-4"	44'-4"	45'-4"	43'-4"	44'-4"	45'-4"
800 L 1.8	44'-4"	45'-4"	46'-4"	44'-4"	45'-4"	46'-4"	44'-4"	45'-4"	46'-4"
800 L 1.8	45'-4"	46'-4"	47'-4"	45'-4"	46'-4"	47'-4"	45'-4"	46'-4"	47'-4"
800 L 1.8	46'-4"	47'-4"	48'-4"	46'-4"	47'-4"	48'-4"	46'-4"	47'-4"	48'-4"
800 L 1.8	47'-4"	48'-4"	49'-4"	47'-4"	48'-4"	49'-4"	47'-4"	48'-4"	49'-4"
800 L 1.8	48'-4"	49'-4"	50'-4"	48'-4"	49'-4"	50'-4"	48'-4"	49'-4"	50'-4"
800 L 1.8	49'-4"	50'-4"	51'-4"	49'-4"	50'-4"	51'-4"	49'-4"	50'-4"	51'-4"
800 L 1.8	50'-4"	51'-4"	52'-4"	50'-4"	51'-4"	52'-4"	50'-4"	51'-4"	52'-4"
800 L 1.8	51'-4"	52'-4"	53'-4"	51'-4"	52'-4"	53'-4"	51'-4"	52'-4"	53'-4"
800 L 1.8	52'-4"	53'-4"	54'-4"	52'-4"	53'-4"	54'-4"	52'-4"	53'-4"	54'-4"
800 L 1.8	53'-4"	54'-4"	55'-4"	53'-4"	54'-4"	55'-4"	53'-4"	54'-4"	55'-4"
800 L 1.8	54'-4"	55'-4"	56'-4"	54'-4"	55'-4"	56'-4"	54'-4"	55'-4"	56'-4"
800 L 1.8	55'-4"	56'-4"	57'-4"	55'-4"	56'-4"	57'-4"	55'-4"	56'-4"	57'-4"
800 L 1.8	56'-4"	57'-4"	58'-4"	56'-4"	57'-4"	58'-4"	56'-4"	57'-4"	58'-4"
800 L 1.8	57'-4"	58'-4"	59'-4"	57'-4"	58'-4"	59'-4"	57'-4"	58'-4"	59'-4"
800 L 1.8	58'-4"	59'-4"	60'-4"	58'-4"	59'-4"	60'-4"	58'-4"	59'-4"	60'-4"
800 L 1.8	59'-4"	60'-4"	61'-4"	59'-4"	60'-4"	61'-4"	59'-4"	60'-4"	61'-4"
800 L 1.8	60'-4"	61'-4"	62'-4"	60'-4"	61'-4"	62'-4"	60'-4"	61'-4"	62'-4"
800 L 1.8	61'-4"	62'-4"	63'-4"	61'-4"	62'-4"	63'-4"	61'-4"	62'-4"	63'-4"
800 L 1.8	62'-4"	63'-4"	64'-4"	62'-4"	63'-4"	64'-4"	62'-4"	63'-4"	64'-4"
800 L 1.8	63'-4"	64'-4"	65'-4"	63'-4"	64'-4"	65'-4"	63'-4"	64'-4"	65'-4"
800 L 1.8	64'-4"	65'-4"	66'-4"	64'-4"	65'-4"	66'-4"	64'-4"	65'-4"	66'-4"
800 L 1.8	65'-4"	66'-4"	67'-4"	65'-4"	66'-4"	67'-4"	65'-4"	66'-4"	67'-4"
800 L 1.8	66'-4"	67'-4"	68'-4"	66'-4"	67'-4"	68'-4"	66'-4"	67'-4"	68'-4"
800 L 1.8	67'-4"	68'-4"	69'-4"	67'-4"	68'-4"	69'-4"	67'-4"	68'-4"	69'-4"
800 L 1.8	68'-4"	69'-4"	70'-4"	68'-4"	69'-4"	70'-4"	68'-4"	69'-4"	70'-4"
800 L 1.8	69'-4"	70'-4"	71'-4"	69'-4"	70'-4"	71'-4"	69'-4"	70'-4"	71'-4"
800 L 1.8	70'-4"	71'-4"	72'-4"	70'-4"	71'-4"	72'-4"	70'-4"	71'-4"	72'-4"
800 L 1.8	71'-4"	72'-4"	73'-4"	71'-4"	72'-4"	73'-4"	71'-4"	72'-4"	73'-4"
800 L 1.8	72'-4"	73'-4"	74'-4"	72'-4"	73'-4"	74'-4"	72'-4"	73'-4"	74'-4"
800 L 1.8	73'-4"	74'-4"	75'-4"	73'-4"	74'-4"	75'-4"	73'-4"	74'-4"	75'-4"
800 L 1.8	74'-4"	75'-4"	76'-4"	74'-4"	75'-4"	76'-4"	74'-4"	75'-4"	76'-4"
800 L 1.8	75'-4"	76'-4"	77'-4"	75'-4"	76'-4"	77'-4"	75'-4"	76'-4"	77'-4"
800 L 1.8	76'-4"	77'-4"	78'-4"	76'-4"	77'-4"	78'-4"	76'-4"	77'-4"	78'-4"
800 L 1.8	77'-4"	78'-4"	79'-4"	77'-4"	78'-4"	79'-4"	77'-4"	78'-4"	79'-4"
800 L 1.8	78'-4"	79'-4"	80'-4"	78'-4"	79'-4"	80'-4"	78'-4"	79'-4"	80'-4"
800 L 1.8	79'-4"	80'-4"	81'-4"	79'-4"	80'-4"	81'-4"	79'-4"	80'-4"	81'-4"
800 L 1.8	80'-4"	81'-4"	82'-4"	80'-4"	81'-4"	82'-4"	80'-4"	81'-4"	82'-4"
800 L 1.8	81'-4"	82'-4"	83'-4"	81'-4"	82'-4"	83'-4"	81'-4"	82'-4"	83'-4"
800 L 1.8	82'-4"	83'-4"	84'-4"	82'-4"	83'-4"	84'-4"	82'-4"	83'-4"	84'-4"
800 L 1.8	83'-4"	84'-4"	85'-4"	83'-4"	84'-4"	85'-4"	83'-4"	84'-4"	85'-4"
800 L 1.8	84'-4"	85'-4"	86'-4"	84'-4"	85'-4"	86'-4"	84'-4"	85'-4"	86'-4"
800 L 1.8									



D1 PORTAL WALL OPENING DETAIL
NO SCALE (48)



D3 WALL NOTCHING DETAIL
NO SCALE (16)



D4 JOIST NOTCHING DETAIL
NO SCALE (16)

