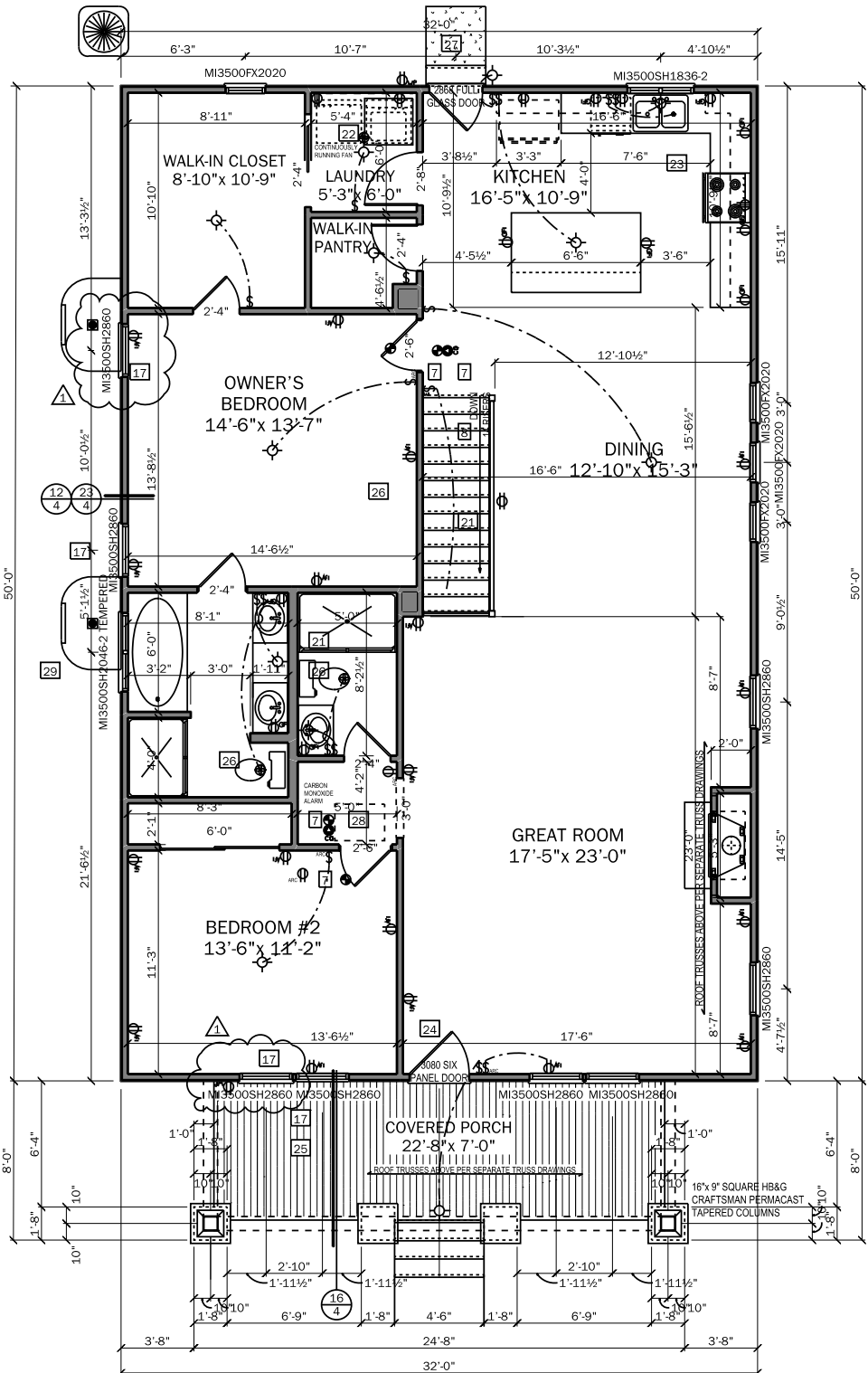


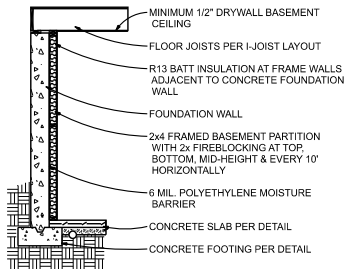
- KEYED PLAN NOTES
1. 4" CONCRETE SLAB WITH 6x6, 10/16" REBAR W/ 6 MIL MOISTURE BARRIER AND 4" OF COMPACTED FILL OVER 6 MIL
 2. 10" WIDE CONCRETE FOUNDATION WALL WITH 10"x 24" CONCRETE FOOTING
 3. PROVIDE SOLID PIPE FROM OUTSIDE DIRECTLY TO RETURN AIR DUCT TO SUPPLY MAKEUP AIR FOR CONTINUOUS RUNNING FAN
 4. 200 AMP ELECTRICAL SERVICE - LOCATION OF PANEL DEPENDENT ON LOCATION OF SUPPLY
 5. 2 - #4 REBARS 48" LONG VERTICALLY @ 12" o.c., LAPPED & TIED AT ALL CORNERS, TYPICAL
 6. MECHANICAL SYSTEMS AREA - 40 GALLON MIN. WATER HEATER, FLOOR DRAIN & GAS FORCED AIR FURNACE
 7. SMOKE DETECTOR - 120V INTERWIRED WITH BATTERY BACKUP
 8. WOOD STAIR W/ HANDRAIL AT 36" ABOVE NOSING - CARPET ENTIRE TREAD. HALF WALL OR SPINDLE & GUARDRAIL REQUIRED AT EXPOSED STAIR 36" MINIMUM ABOVE FLOOR & RISERS
 9. LINE OF 2x4 PRESSURE-TREATED SILL PLATE ABOVE
 10. CONCRETE CONTROL JOINT - 20'-0" MAXIMUM ON CENTER SPACING, EACH WAY
 11. 18" DIA. SUMP PIT W/ FITTED CAP W/ PUMP PIPED TO EXTERIOR AND SINGLE, DEDICATED OUTLET
 12. BUTTRESS WALL - RETURN 10" FOUNDATION WALL & FOOTING 24"
 13. 11. 7/8" TIMBERSTRAND FLOOR JOISTS AND 3/4" T&G PLYWOOD SUBFLOOR ABOVE
 14. 48" WIDE x 48" TALL VINYL UNIT (16 S.F.) W/ GALVANIZED STEEL EGRESS WELL W/ BAKED ON ENAMEL FINISH ON FACE, EGRESS LADDER, AND SAFETY GRATE - DRAIN TO INTERIOR DRAIN TILE TO SUMP
 15. HVAC MAIN TRUNK LINE
 16. 16" SQUARE CONCRETE PORCH PIER OVER A 32"x 21'-0" x 8" DEEP FOOTING. SET BOTTOM OF FOOTING AT LEAST 24" INTO UNDISTURBED SOIL & AT LEAST 36" BELOW ADJACENT GRADE. REDUCE PIER TO 12" SQUARE IF CULTURED STONE PIER IS OPTIONED
 17. WINDOW MEETS EGRESS REQUIREMENTS
 18. 3" DIAMETER, 11GA, PRIME PAINTED STEEL TELEPOST SET DIRECTLY ON A 36"x 36"x 12" DEEP CONCRETE FOOTING W/ (3) #5 BARS EACH WAY AT BOTTOM
 19. BEAM POCKET - STEEL BEAM SHALL BE SHIMMED & SOLIDLY GROUTED INTO BEAM POCKET WITH CEMENT
 20. STEEL BEAM PER PLAN - PRIME PAINTED & ALL JOINTS SHALL BE BOLTED OR WELDED TOGETHER
 21. 2x6 WALL FRAMING
 22. WASHER & DRYER - 120V ELECTRICAL SERVICE SUPPLY, HOT & COLD WATER, 2" ROUND LAUNDRY DRAIN, 220V ELECTRICAL SERVICE SUPPLY, VENTED ROUTE TO EXTERIOR THROUGH BANDBOARD ABOVE, NOT TO EXCEED 25'-0". PROVIDE SHEET METAL OR FIBERGLASS PAN WITH DRAIN BELOW WASHER
 23. UPPER & LOWER CABINETS
 24. 36" INSULATED STEEL OR FIBERGLASS THERMATRU DOOR UNIT
 25. EXTERIOR GRADE HBG BEAD BOARD PORCH CEILING
 26. EXHAUST FAN - MINIMUM 50 C.F.M. VENTED TO EXTERIOR
 27. MAX. 2 RISERS FROM FINISHED FLOOR TO CONCRETE PATIO SLAB. IF MORE THAN 2 RISERS, LANDING SHALL BE REQUIRED 7.3/4" MAX. BELOW THRESHOLD OF DOOR
 28. 22"x 30" SCUTLE - PLACE SCUTLE TO PROVIDE 36" HEADROOM ABOVE
 29. 4" CONCRETE SLAB FOR AIR CONDITIONING CONDENSER
 30. WHERE COMBINING SPACES ON THE SAME STORY, EACH OPENING SHALL HAVE A MINIMUM FREE AREA OF 1 SQUARE INCH PER 1,000BTU/h OF THE TOTAL INPUT RATING OF ALL APPLIANCES IN THE SPACE, BUT NOT LESS THAN 100 SQUARE INCHES. ONE PERMANENT OPENING SHALL COMMENCE WITHIN 12 INCHES OF THE TOP AND ONE PERMANENT OPENING SHALL COMMENCE WITHIN 12 INCHES OF THE BOTTOM OF THE ENCLOSURE. THE MINIMUM DIMENSION OF THE AIR OPENINGS SHALL NOT BE LESS THAN 3 INCHES. IRC SECTION G2407.5.3.2



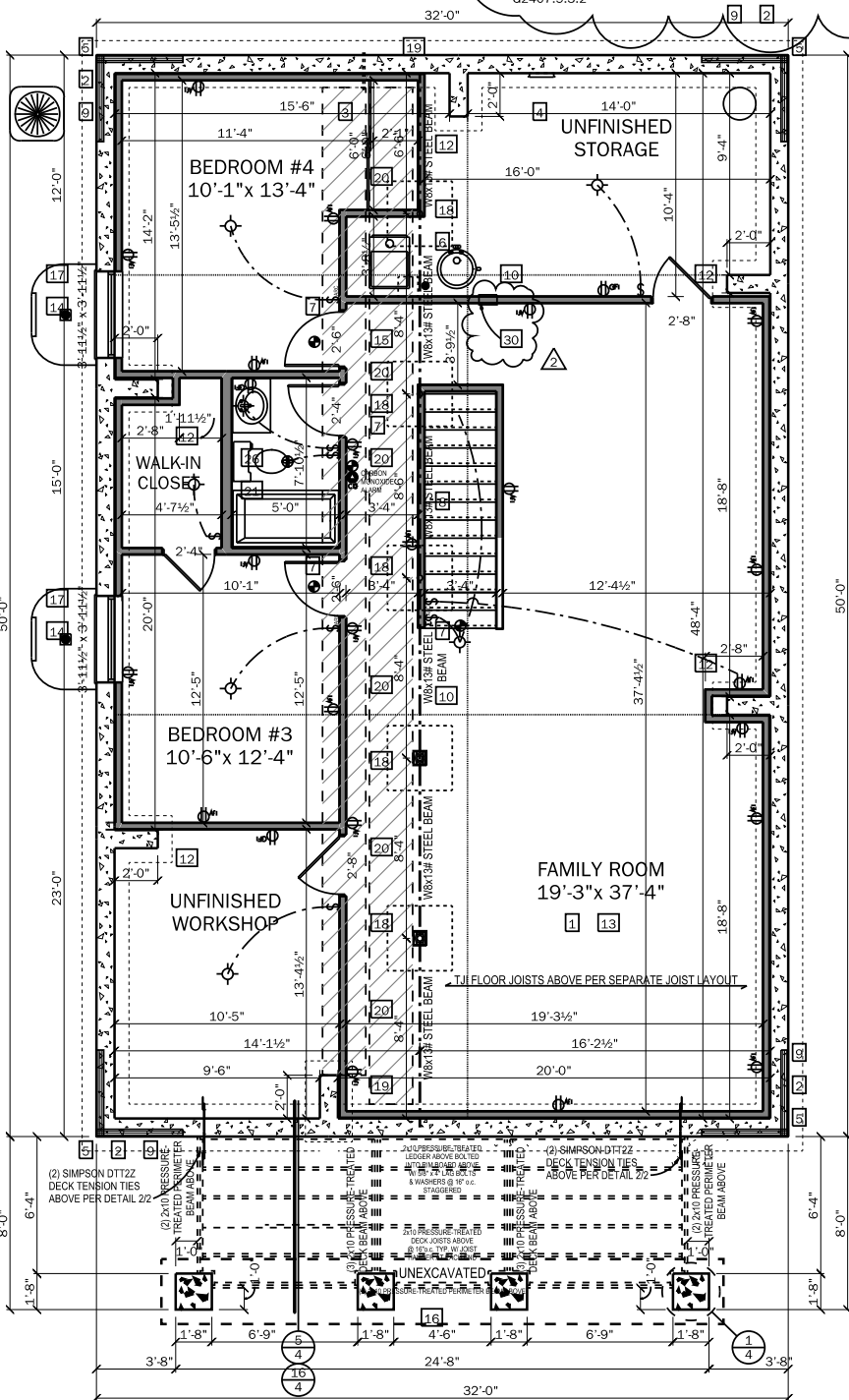
FIRST FLOOR PLAN

STD. 9'-1.1/8" HIGH FIRST FLOOR WALLS

- GENERAL FLOOR PLAN NOTES
- STD. 9'-1.1/8" HIGH FIRST FLOOR WALLS
 - ALL LOAD-BEARING HEADERS SHALL BE 3.1/2"x 9.1/4"x 1.7E TIMBERSTRAND LVL WITH (2) 2x4 JACK STUDS WITH (2) 2x4 JACKS STUDS ON EACH SIDE UNLESS NOTED ON THE EXTERIOR ELEVATIONS
 - ALL INTERIOR WALLS TO BE 3.1/2" (2x4 STUDS) UNLESS NOTED OTHERWISE
 - INTERIOR DIMENSIONS ARE TO ROUGH FRAMING, EXTERIOR DIMENSIONS ARE TO FACE OF SHEATHING
 - NO SUPPLY WATER PIPING SHALL BE LOCATED IN EXTERIOR WALL OR CANTILEVERED FLOOR CAVITIES
 - MAXIMUM RISER HEIGHT IS 7.3/4", MINIMUM RISER HEIGHT IS 4"
 - SEE EXTERIOR ELEVATIONS FOR EXTERIOR DOORS NOT NOTED ON PLAN
 - SEE EXTERIOR ELEVATIONS FOR WINDOW SIZED & HEAD HEIGHT
 - PROVIDE FIRE BLOCKING WHERE REQUIRED BY CODE OR LOCAL JURISDICTIONS
 - WINDOWS SHOWN ARE MI WINDOWS SERIES 3500 VINYL WINDOWS WITHOUT GRILLES



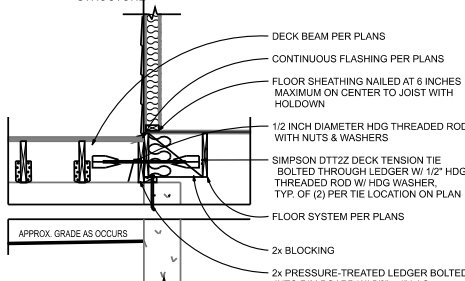
BASEMENT PARTITION AT WALKOUT LOT



BASEMENT PLAN

1146 square feet of finished living area

- FOUNDATION GENERAL NOTES:
- STD. 7'-10" HIGH CONCRETE FOUNDATION WALLS (ALL FOUNDATION WALL HEIGHTS ARE APPROXIMATE)
 - BOTTOM OF FOOTINGS SHALL BE MINIMUM OF 36" BELOW FINISH GRADE ON UNDISTURBED SOIL
 - ALL METAL FASTENERS, HANGERS, ANCHOR BOLTS, ETC. IN CONTACT WITH TREATED LUMBER SHALL BE STAINLESS STEEL OR TRIPLE DIPPED GALVANIZED.
 - ALL STEEL SHALL BE ASTM A615 GRADE 60.
 - PROVIDE 1/2" DIAMETER FOUNDATION ANCHOR BOLTS @ 4'-0" o.c. WITH NUTS AND WASHERS SET A MINIMUM OF 8" INTO CONCRETE. PROVIDE MINIMUM OF (2) ANCHORS PER PLATE AND MAXIMUM DISTANCE OF 12" FROM ENDS. SEE FIRST FLOOR PLAN FOR PORTAL FRAMES AND SHEAR WALLS WHICH REQUIRE ADDITIONAL CAST IN PLACE ANCHORS.
 - NO-FREEZE HOSE BIBB TO BE LOCATED AT WATER SERVICE ENTRY TO STRUCTURE



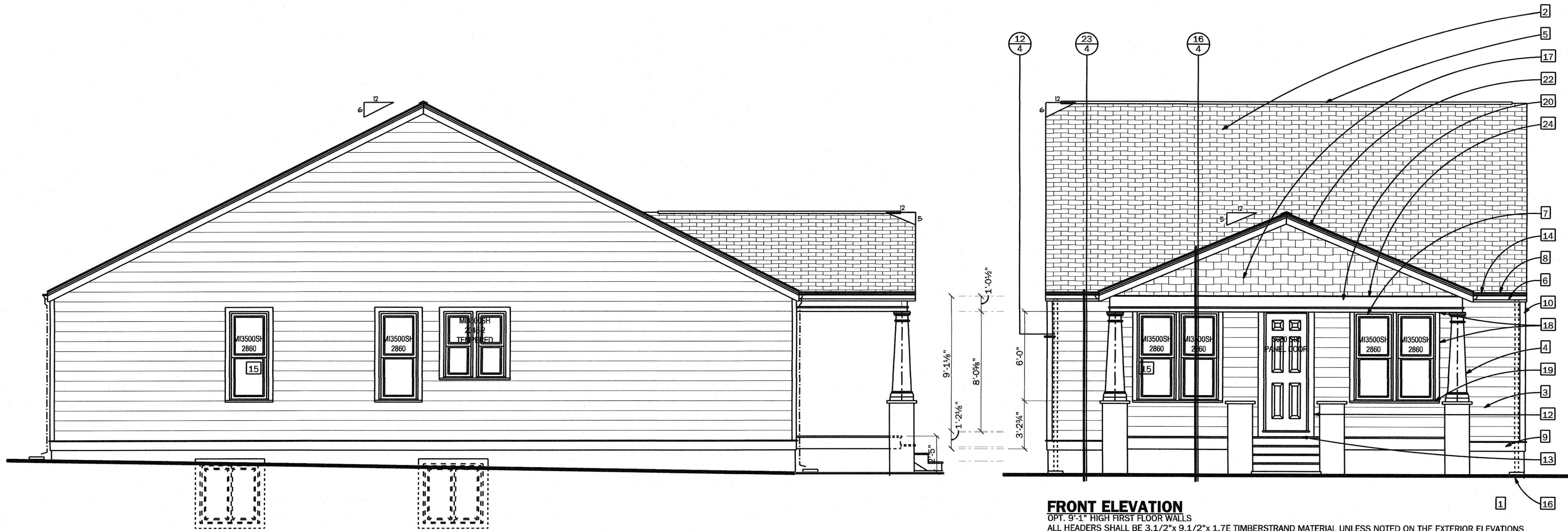
DDT2Z DECK TENSION TIE

Proposed residence, 1600-32 model
Permit #
Lot #2, 514 NW Main Street
Lee's Summit, Jackson County, Missouri 64063
for Walker Custom Homes LLC

STUDIOARCHAEOS

433 BLUFF STREET, ALTON, IL 62002 314-280-3855
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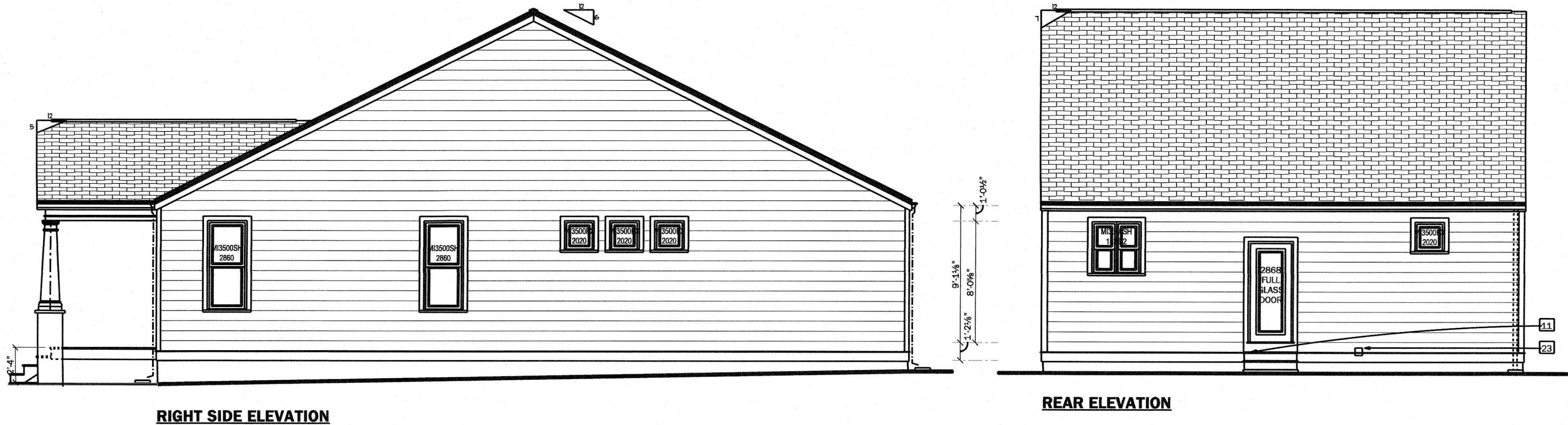
revised	by	checked	issued for	date
per building plan review revision request	Tim	DE	building permit application	6/22/2020
			building permit approval	7/27/2020
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Timothy Louis Busse - Architect MO# A-007231				
sheet 2 of 5				
Monday, July 27, 2020 03:13 PM				



- KEYED ELEVATION NOTES
1. APPROXIMATE FINISH GRADE - SLOPE AWAY FROM HOUSE AT 1" PER FOOT FOR 10'-0"
 2. 220# FIBERGLASS SHINGLES WITH SEAL DOWN TABS, INTERLACE SHINGLES AT VALLEYS, TYPICAL - INSTALL PER MANUFACTURERS SPECIFICATIONS
 3. 8 1/4" LP SMARTSIDE SIDING, 7" EXPOSURE
 4. 16"x 9" SQUARE HB&G CRAFTSMAN PERMACAST TAPERED COLUMNS
 5. CONTINUOUS RIDGE VENT FOR CONCEALED ATTIC SPACES
 6. S-400 STRIP CORA-VENT IN EAVE
 7. MI WINDOWS 3500 SERIES VINYL WINDOW UNIT, TYP.
 8. PREFINISHED ALUMINUM "OGEE" STYLE GUTTER & DOWNSPOUT
 9. 1x8 AZEK BANDBOARD WITH 1.5/8" x 11/16" TALL DRIP CAP
 10. 5/4x 4 AZEK CORNERS
 11. WOOD OR CONCRETE STEPS TO PATIO SLAB, NUMBER OF STEPS IS DETERMINED IN FIELD BY ACTUAL DISTANCE FROM GRADE TO FINISHED FLOOR - PROVIDE HANDRAIL ON STAIRS WITH MORE THAN 3 RISERS
 12. DOOR TRIM - 5/4" x 4" AZEK (1" THICK)
 13. 1 5/8" DRIP CAP ON TOP OF PORCH DECKING AT SIDING, INSTALL 5/4"x 6" AZEK KICK BOARD UNDER DOOR
 14. MAIN HOUSE FASCIA BOARD - 5/4" x 8" AZEK (1" THICK)
 15. WINDOW MEETS EGRESS REQUIREMENTS. PROVIDE MANUFACTURERS SAFETY LOCK WHEN WINDOW SILL IS LESS THAN 24" ABOVE FINISH FLOOR
 16. SPLASH BLOCK
 17. PREFINISHED SHINGLE STYLE FIBER CEMENT SIDING PAINTED TO MATCH TRIM
 18. WINDOW TRIM - 5/4" x 4" NOMINAL AZEK AT HEAD AND JAMBS OF MI WINDOWS, TYPICAL
 19. WINDOW SILL TRIM - 5/4" x 1.1/2" NOMINAL AZEK AT SILL OF MI WINDOWS, TYPICAL
 20. WRAP PORCH BEAM WITH 5/8"x 7.1/4" AZEK TRIM
 21. FRIEZE BOARD - 5/4" x 6" AZEK (1" THICK)
 22. SHINGLE MOLDING - #212 PVC
 23. DRYER VENT COVER
 24. 1.5/8" x 11/16" TALL DRIP CAP

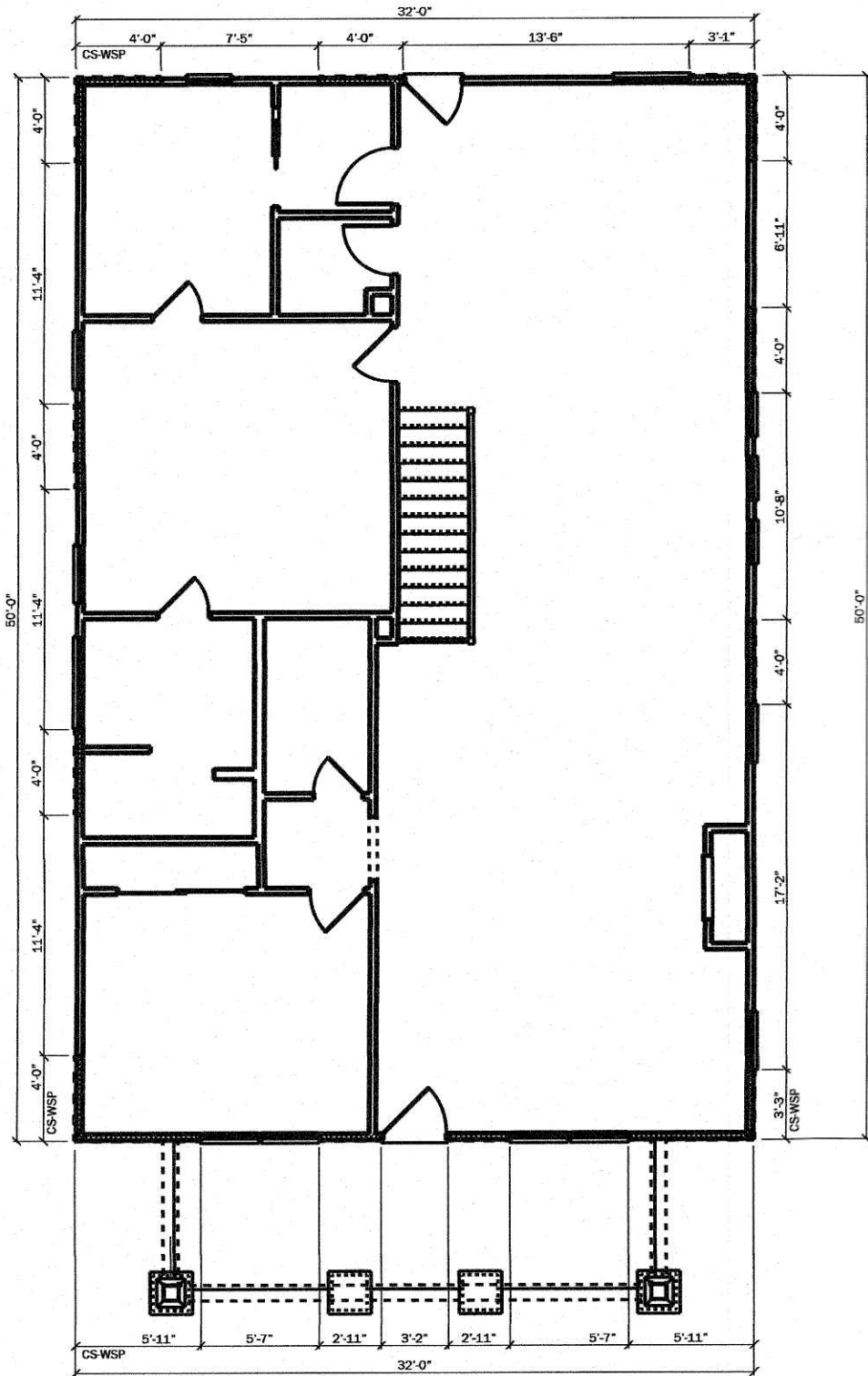
FRONT ELEVATION
OPT. 9'-1" HIGH FIRST FLOOR WALLS
ALL HEADERS SHALL BE 3.1/2"x 9.1/2"x 1.7E TIMBERSTRAND MATERIAL UNLESS NOTED ON THE EXTERIOR ELEVATIONS
KEYED NOTES SHOWN ON ELEVATIONS ARE TYPICAL FOR ENTIRE BUILDING

LEFT SIDE ELEVATION



ATTIC VENTILATION CALCULATIONS
REQUIRED:
MINIMUM: 1600 sq. ft. x 1/300 = 5.33 sq. ft.
PROVIDED:
High Ventilation (ridge vent):
30.33 linear feet x 15.0 sq. in./lineal foot of vent =
3.15 sq. ft.
Low Ventilation (soffit vent):
50.16 linear feet x 10.0 sq. in./lineal foot of soffit =
3.48 sq. ft.

TOTAL OVERALL ATTIC VENTILATION PROVIDED:
6.63 sq. ft.



FIRST FLOOR BRACED WALL PLAN
1. ALL WALLS SHALL BE 8" MINIMUM THICKNESS UNLESS NOTED OTHERWISE.
2. ALL WALLS SHALL BE 8" MINIMUM THICKNESS UNLESS NOTED OTHERWISE.
3. ALL WALLS SHALL BE 8" MINIMUM THICKNESS UNLESS NOTED OTHERWISE.
4. ALL WALLS SHALL BE 8" MINIMUM THICKNESS UNLESS NOTED OTHERWISE.
5. ALL WALLS SHALL BE 8" MINIMUM THICKNESS UNLESS NOTED OTHERWISE.
6. ALL WALLS SHALL BE 8" MINIMUM THICKNESS UNLESS NOTED OTHERWISE.
7. ALL WALLS SHALL BE 8" MINIMUM THICKNESS UNLESS NOTED OTHERWISE.
8. ALL WALLS SHALL BE 8" MINIMUM THICKNESS UNLESS NOTED OTHERWISE.
9. ALL WALLS SHALL BE 8" MINIMUM THICKNESS UNLESS NOTED OTHERWISE.
10. ALL WALLS SHALL BE 8" MINIMUM THICKNESS UNLESS NOTED OTHERWISE.

MINIMUM LENGTH OF BRACED WALL PANELS	
8' FOOT	
ADJACENT WALL PANEL LENGTH	MINIMUM
68 INCHES OR LESS	27 INCHES
68 INCHES	27 INCHES
72 INCHES	27 INCHES
84 INCHES	32 INCHES
96 INCHES	41 INCHES

WALL BRACING NOTES
1. WALL BRACING SHALL BE INSTALLED PER CODE REQUIREMENTS.
2. MINIMUM SPACING OF BRACED WALL PANELS SHALL BE 8' ON CENTER.
3. THE EXTERIOR WALLS OF THE BRACED SECTION SHALL BE CONTINUOUSLY BRACED AND BRACED WITH 2" MINIMUM THICKNESS.
4. ALL WALLS SHALL BE 8" MINIMUM THICKNESS UNLESS NOTED OTHERWISE.
5. ALL WALLS SHALL BE 8" MINIMUM THICKNESS UNLESS NOTED OTHERWISE.
6. ALL WALLS SHALL BE 8" MINIMUM THICKNESS UNLESS NOTED OTHERWISE.
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Proposed residence, 1600-32 model
Permit #
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STUDIO ARCHAEO S 433 BLUFF STREET, ALTON, IL 62002 314-280-3855 MISSOURI STATE CERTIFICATE OF AUTHORITY #2011021199			
revised	by	issued for	date
	Tim	building permit application	5/22/2020
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sheet		3	of 5
Friday, May 22, 2020		02:00 PM	

EXCERPTS FROM IRC FASTENING SCHEDULE

	DESCRIPTION OF BUILDING ELEMENTS	NUMBER & TYPE OF FASTENER	SPACING OF FASTENERS
ROOF			
6	Roof truss to plate	3-16d box nails (31/2" x 0.135"); or 3-10d common nails (3" x 0.148"); or 4-10d box (3" x 0.128"); or 4-3" x 0.131" nails	2 toe nails on one side and 1 toe nail on opposite side of each rafter or truss
WALL			
8	Stud to stud (not at braced wall panels)	10d box (3" x 0.128"); or 3" x 0.131" nails	16" o.c. face nail
9	Stud to stud and abutting studs at intersecting wall corners (at braced wall panels)	16d box (31/2" x 0.135"); or 3" x 0.131" nails	12" o.c. face nail
10	Built-up header (2,c to 2,c header with 1/2,c f n spacer)	16d box (31/2" x 0.135")	12" o.c. each edge face nail
11	Continuous header to stud	5-8d box (21/2" x 0.113"); or 4-8d common (21/2" x 0.131"); or 4-10d box (3" x 0.128")	Toe nail
12	Top plate to top plate	10d box (3" x 0.128"); or 3" x 0.131" nails	12" o.c. face nail
13	Double top plate splice for SDCs A-D2 with seismic braced wall line spacing < 25,5	8-16d common (31/2" x 0.162"); or 12-16d box (31/2" x 0.135"); or 12-10d box (3" x 0.128"); or 12-3" x 0.131" nails	Face nail on each side of end joint (minimum 24" lap splice length each side of end joint)
14	Bottom plate to joist, rim joist, band joist or blocking (not at braced wall panels)	16d box (31/2" x 0.135"); or 3" x 0.131" nails	12" o.c. face nail
15	Bottom plate to joist, rim joist, band joist or blocking (at braced wall panel)	3-16d box (31/2" x 0.135"); or 2-16d common (31/2" x 0.162"); or 4-3" x 0.131" nails	3 each 16" o.c. face nail 2 each 16" o.c. face nail 4 each 16" o.c. face nail
16	Top or bottom plate to stud	4-8d box (21/2" x 0.113"); or 3-16d box (31/2" x 0.135"); or 4-8d common (21/2" x 0.131"); or 4-10d box (3" x 0.128"); or 4-3" x 0.131" nails	Toe nail
16	Top or bottom plate to stud	3-16d box (31/2" x 0.135"); or 2-16d common (31/2" x 0.162"); or 3-10d box (3" x 0.128"); or 3-3" x 0.131" nails	End nail
17	Top plates, laps at corners and intersections	3-10d box (3" x 0.128"); or 2-16d common (31/2" x 0.162"); or 3-3" x 0.131" nails	Face nail
FLOOR			
21	Joist to sill, top plate or girder	4-8d box (21/2" x 0.113"); or 3-8d common (21/2" x 0.131"); or 3-10d box (3" x 0.128"); or 3-3" x 0.131" nails	Toe nail
22	Rim joist, band joist or blocking to sill or top plate (roof applications also)	8d common (21/2" x 0.131"); or 10d box (3" x 0.128"); or 3" x 0.131" nails	6" o.c. toe nail
23	1" x 6" subfloor or less to each joist	3-8d box (21/2" x 0.113"); or 2-8d common (21/2" x 0.131"); or 3-10d box (3" x 0.128"); or 2 staples, 1" crown, 16 ga., 13/4" long	Face nail
26	Band or rim joist to joist	3-16d common (31/2" x 0.162") 4-10 box (3" x 0.128"); or 4-3" x 0.131" nails; or 4-3" x 14 ga. staples, 7/16" crown	End nail
27	Built-up girders and beams, 2-inch lumber layers	20d common (4" x 0.192"); or	Nail each layer as follows: 32" o.c. at top and bottom and staggered.
27	Built-up girders and beams, 2-inch lumber layers	10d box (3" x 0.128"); or 3" x 0.131" nails	24" o.c. face nail at top and bottom staggered on opposite sides
27	Built-up girders and beams, 2-inch lumber layers	And: 2-20d common (4" x 0.192"); or 3-10d box (3" x 0.128"); or 3-3" x 0.131" nails	Face nail at ends and at each splice
28	Ledger strip supporting joists or rafters	4-16d box (31/2" x 0.135"); or 3-16d common (31/2" x 0.162"); or 4-10d box (3" x 0.128"); or 4-3" x 0.131" nails	At each joist or rafter, face nail
Wood structural panels, subfloor, roof and interior wall sheathing to framing [see Table R602.3(3) for wood structural panel exterior wall sheathing to wall framing]			
30	3/8" - 1/2"	6d common (2" x 0.113") nail (subfloor, wall) 8d common (21/2" x 0.131") nail (roof)	6 inch at edge, 12 inch at intermediate supports
31	19/32" - 1"	8d common nail (21/2" x 0.131")	6 inch at edge, 12 inch at intermediate supports
Wood structural panels, combination subfloor underlayment to framing			
37	3/4" and less	6d deformed (2" x 0.120") nail; or 8d common (21/2" x 0.131") nail	6 inch at edge, 12 inch at intermediate supports

FASTENING SCHEDULE

a. 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 shown: 80 ksi for shank diameter of 0.192 inch (20d common nail), 90 ksi for shank diameters larger than 0.142 inch but not larger than 0.177 inch, and 100 ksi for shank diameters of 0.142 inch 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 inches on center at all supports where spans are 48 inches or greater.

d. Four-foot by 8-foot or 4-foot by 9-foot panels shall be applied vertically.

e. Spacing of fasteners not included in this table shall be based on Table R602.3(2).

f. Where the ultimate design wind speed is 130 mph or less, nails for attaching wood structural panel roof sheathing to gable end wall framing shall be spaced 6 inches on center. Where the ultimate design wind speed is greater than 130 mph, nails for attaching panel roof sheathing to intermediate supports shall be spaced 6 inches on center for minimum 48-inch distance from ridges, eaves and gable end walls; and 4 inches on center to gable end wall framing.

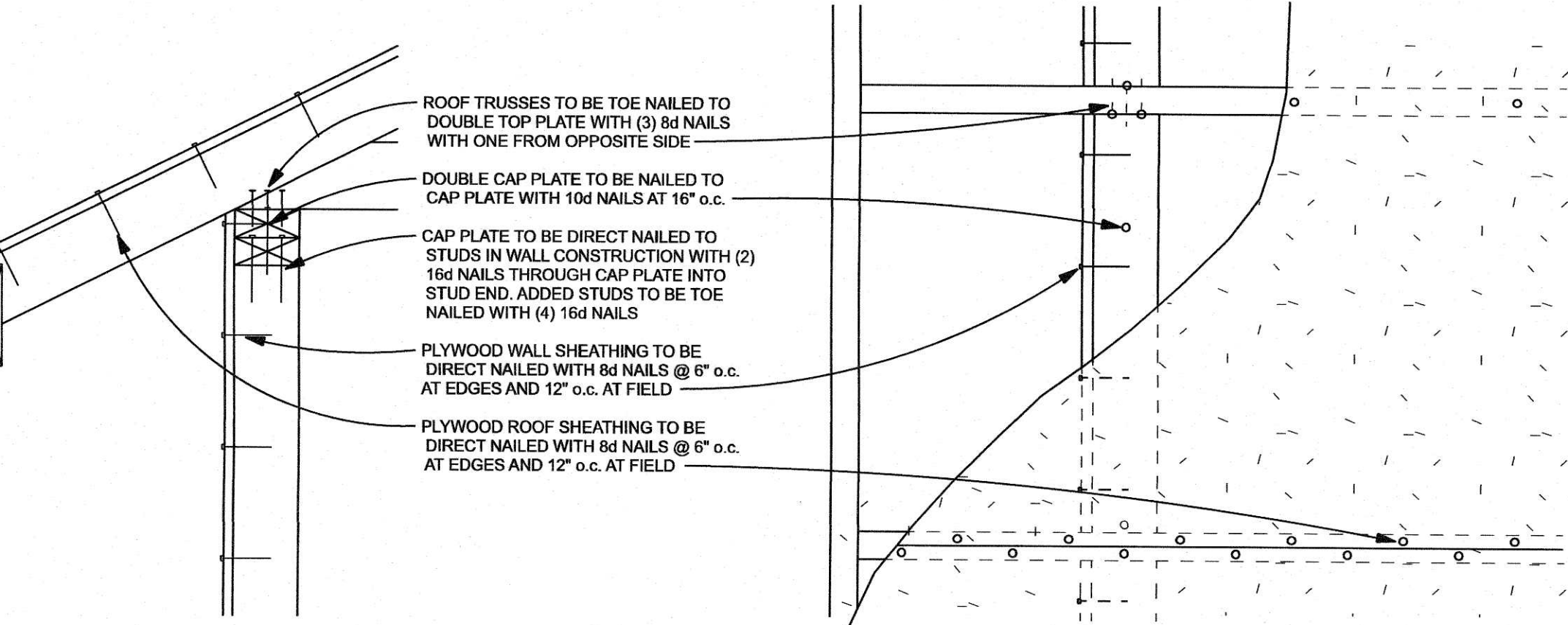
g. Gypsum sheathing shall conform to ASTM C 1396 and shall be installed in accordance with GA 253. Fiberboard sheathing shall conform to ASTM C 208.

h. Spacing of fasteners on floor sheathing panel edges applies to panel edges supported by framing members and required blocking and at floor perimeters only. Spacing of fasteners on roof sheathing panel edges applies to panel edges supported by framing members and required blocking. Blocking of roof or floor sheathing panel edges perpendicular to the framing members need not be provided except as required by other provisions of this code. Floor perimeter shall be supported by framing members or solid blocking.

i. Where a rafter is fastened to an adjacent parallel ceiling joist in accordance with this schedule, provide two toe nails on one side of the rafter and toe nails from the ceiling joist to top plate in accordance with this schedule. The toe nail on the opposite side of the rafter shall not be required.

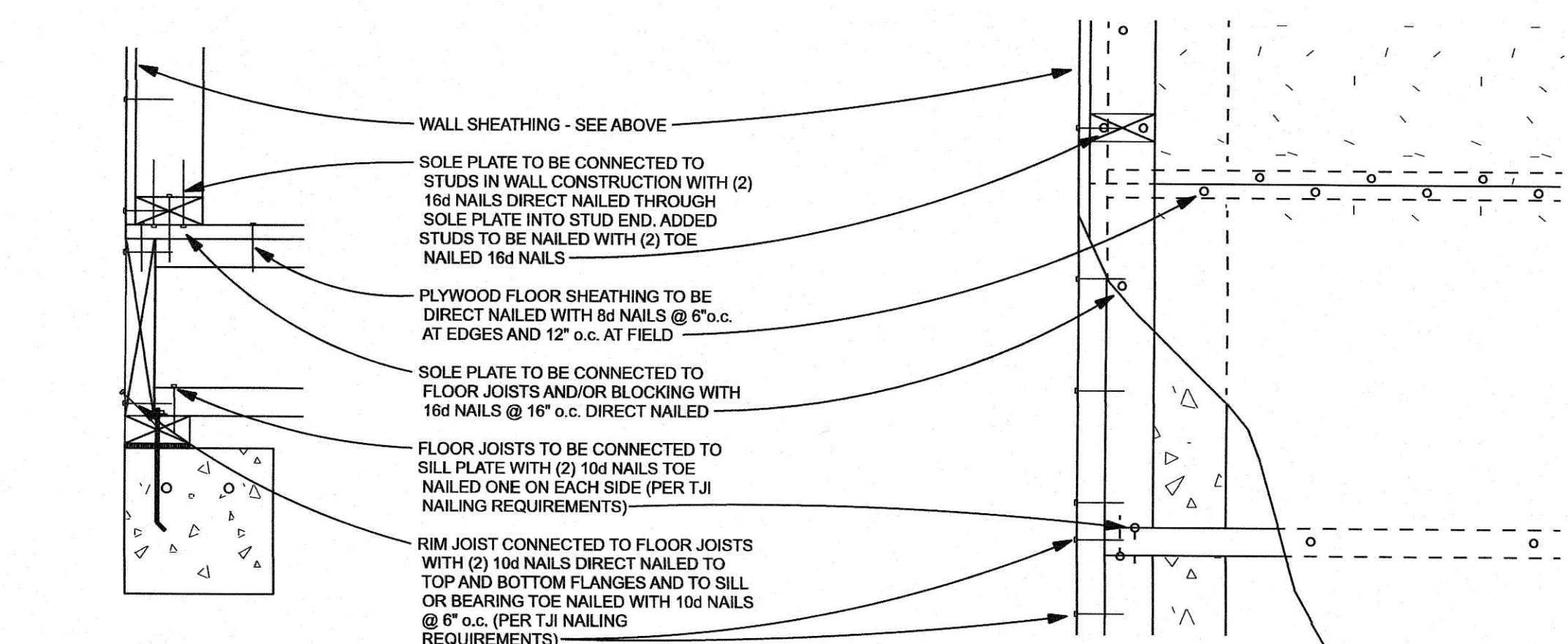
Silent Floor System Nailing Requirements for TJI/Pro 120TS Joists
Per Trus Joist MacMillan publication JM0399/30M - reorder # 2027
TJI Joists at bearing: (2) 10d or 12d box nails, 1 1/2" min. from end, one each side.
Blocking panels, rim joists or rim board to bearing plate:
TJI blocking panels or rim joists: 10d box nails @ 6" o.c.
Timberstrand LSL rim board: Toe nail 10d box nails @ 6" o.c., or 16d box nails @ 12" o.c.
Shear transfer: Connections equivalent to decking nail schedule
Rim board, rim joist or closure to TJI joist: 1 3/4" width or less: (2) 10d box nails, one each @ top & bottom flange
2x4 minimum squash blocks: (2) 10d box nails, one each @ top and bottom flange
TJI/Pro 120TS rim joist: (2) 10d box nails, one each @ top and bottom flange

Silent Floor System Nailing Requirements for TJI/Pro 150, 250, 350 & 550 Joists
Per Trus Joist MacMillan publication NW0798/30M - reorder # 2025
TJI Joists at bearing: (2) 10d or 12d box nails, 1 1/2" min. from end, one each side
Blocking panels, rim joists or rim board to bearing plate:
TJI blocking panels or rim joists: 10d box nails @ 6" o.c.
Timberstrand LSL or Microtram LVL rim board: Toe nail 10d box nails @ 6" o.c., or 16d box nails @ 12" o.c.
Shear transfer: Connections equivalent to decking nail schedule
Rim board, rim joist or closure to TJI joist:
1 3/4" width or less: (2) 10d box nails, one each @ top and bottom flange
TJI/Pro 350 rim joist: (2) 16d box nails, one each @ top and bottom flange
TJI/Pro 550 rim joist: Toe nail joist to rim joist with (1) 10d box nail on each side of top flange
2x4 minimum squash blocks: (2) 10d box nails, one each @ top and bottom flange



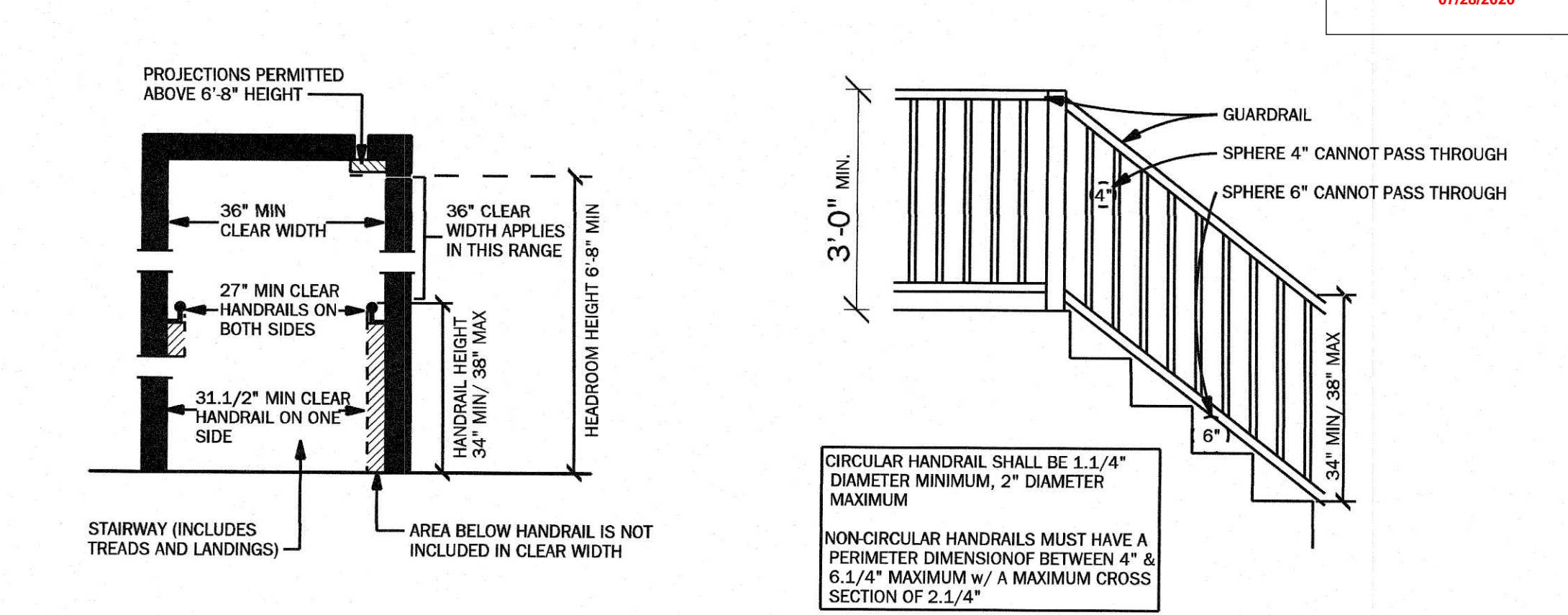
NAILING @ ROOF AND TOP PLATES

4



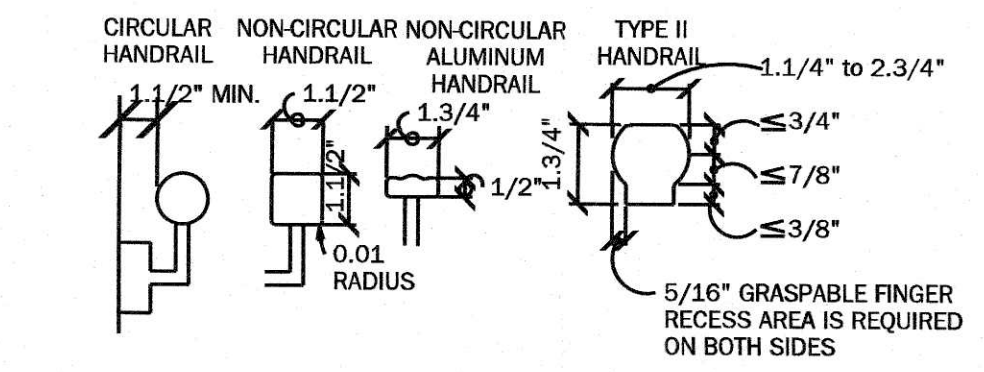
NAILING @ JOISTS OVER CONCRETE

10



STAIRWAY CROSS SECTIONAL CLEARANCES

5

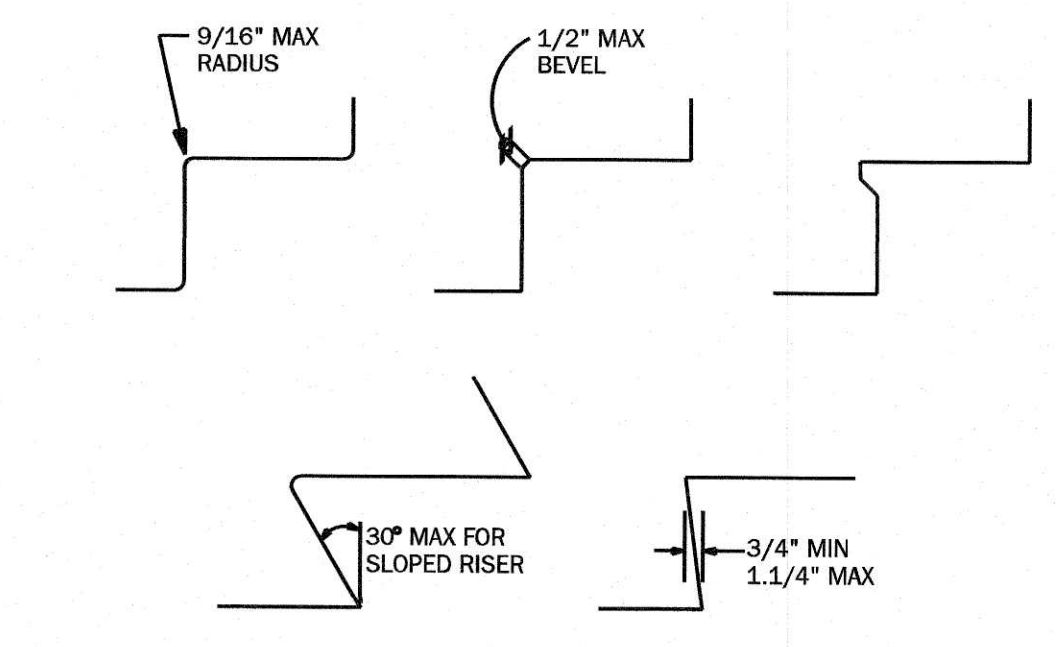


HANDRAIL CROSS SECTIONS

HANDRAIL TERMINATION - PLAN VIEWS

GUARDRAIL REQUIREMENTS

6



TREAD PROFILES

12

MINIMUM NUMBER OF FULL HEIGHT STUDS AT EACH END OF HEADERS IN EXTERIOR WALLS (IRC TABLE R602.7.5)

HEADER SPAN	16 INCHES MAXIMUM STUD SPACING	24 INCHES MAXIMUM STUD SPACING
3 FEET OR LESS	1	1
4 FEET	2	1
8 FEET	3	2
12 FEET	5	3
16 FEET	6	4

Proposed residence, 1600-32 model
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Lot #2, 514 NW Main Street
Lee's Summit, Jackson County, Missouri 64063
for Walker Custom Homes LLC

STUDIO ARCHAEO S

433 BLUFF STREET, ALTON, IL 62002 314-280-3955
MISSOURI STATE CERTIFICATE OF AUTHORITY #2011021199

revised	by	chkd	issued for	date
	Tlm		building permit application	5/22/2020

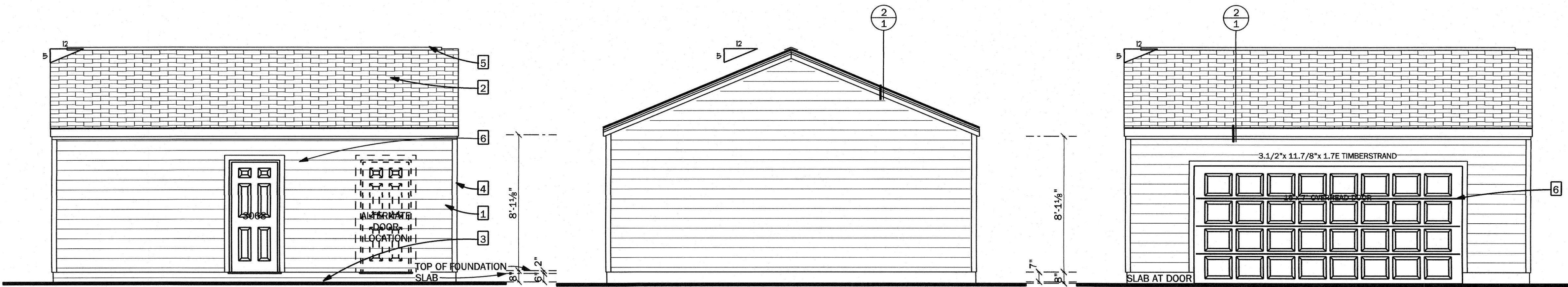
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Actual construction and dimensions may vary in field.
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Timothy Louis Busse - Architect
MO# A-007231

sheet 5/24/2020

- KEYED GARAGE NOTES
- 8.25" PRE-PREFINISHED HARDIEPLANK FIBER CEMENT SIDING, 7" EXPOSURE
 - LAMINATED ASPHALT SELF SEALING SHINGLES TO MATCH HOUSE - INSTALL PER MANUFACTURERS SPECIFICATIONS
 - APPROXIMATE FINISH GRADE - THE GRADE ADJACENT TO FOUNDATION WALLS SHALL FALL A MINIMUM OF 6 INCHES WITHIN THE FIRST 10 FEET. IMPERVIOUS SURFACES WITHIN 10' OF THE BUILDING FOUNDATION SHALL BE SLOPED A MINIMUM OF 2% AWAY FROM BUILDING. WHERE LOT LINES, WALLS, SLOPES OR OTHER PHYSICAL BARRIERS PROHIBIT 6 INCHES OF FALL WITHIN THE FIRST 10 FEET, DRAINS OR SWALES SHALL BE PROVIDED TO ENSURE DRAINAGE AWAY FROM THE STRUCTURE. FINISHED GRADE SHALL BE 8" MINIMUM BELOW TOP OF FOUNDATION. ALL AREAS SHALL BE SLOPED TO LOWER ELEVATIONS OR DRAINAGE STRUCTURES ON OR NEAR THE SITE.
 - CORNER BOARD - 3-1/2" WIDE 5/4 SMOOTH HARDIETRIM (1" THICK)
 - CONTINUOUS RIDGE VENT
 - DOOR TRIM - 3-1/2" WIDE 5/4" SMOOTH HARDIETRIM (1" THICK) AT HEAD & JAMBS, TYPICAL
 - SILL PLATE LINE ABOVE
 - 8" WIDE CONCRETE FROST WALL - EXTEND 8"x24" WIDE CONCRETE FOOTING 30" BELOW GRADE, TYPICAL
 - 2-#4 REBARS 48" LONG VERTICALLY @ 12" o.c. LAPPED & TIED AT ALL CORNERS, TYPICAL
 - HOLD DOWN WALL FOR SLAB THRU DOOR ABOVE
 - GARAGE SLAB; 4" CONCRETE SLAB OVER COMPACTED FILL - SLOPE AT 1/4" PER FOOT MINIMUM TOWARD GARAGE DOORS. 4" CONCRETE SLAB WITH 6x6, 10/10 WELDED WIRE FABRIC OVER 6 MIL MOISTURE BARRIER AND 4" OF COMPACTED FILL - REINFORCEMENT SHALL BE SUPPORTED TO REMAIN IN PLACE FROM THE CENTER TO UPPER 1/3 OF THE SLAB FOR THE DURATION OF CONCRETE PLACEMENT

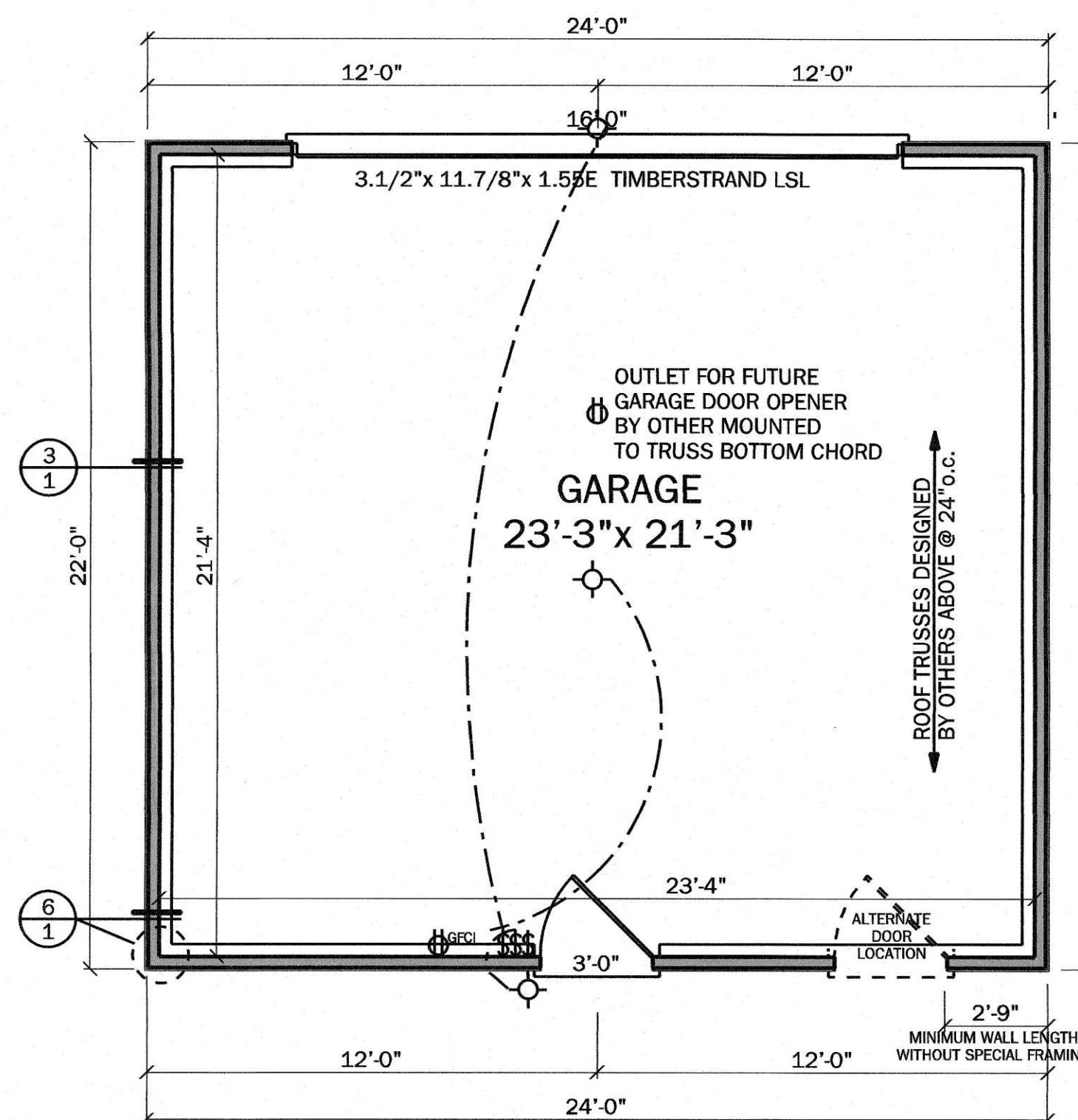


FRONT ELEVATION

STANDARD 8'-1" HIGH WALLS,
ALL HEADERS SHALL BE (2) 2X10 #2 KDYP UNLESS NOTED ON PLAN OR ELEVATIONS

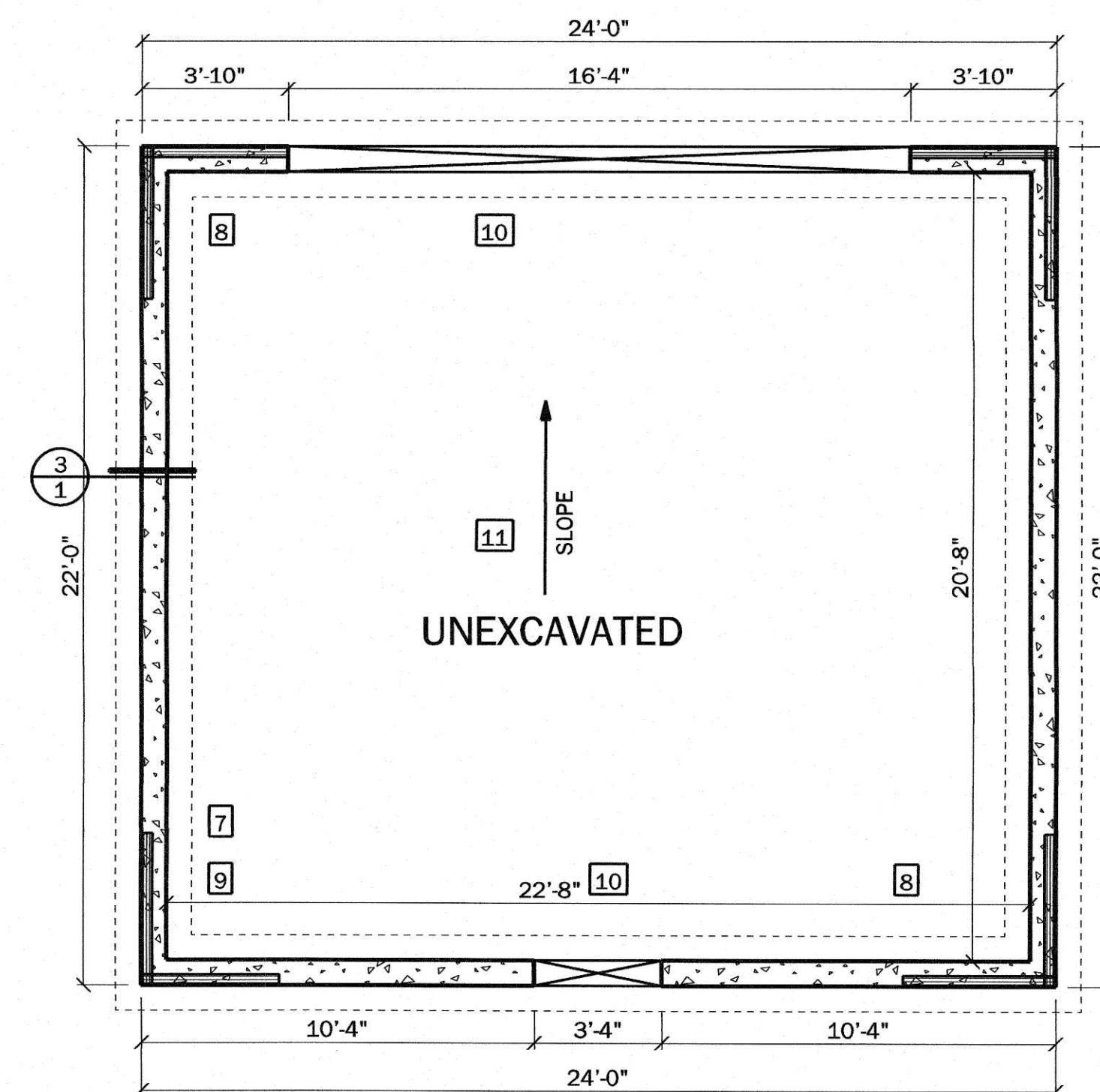
SIDE ELEVATION (TYPICAL)

REAR ELEVATION (ALLEY)



FLOOR PLAN

528 SQUARE FEET (unfinished, uninsulated garage)
STANDARD 8'-1" HIGH FIRST FLOOR WALLS
ALL HEADERS SHALL BE (2) 2X10 #2 KDYP UNLESS NOTED ON PLAN OR ELEVATIONS
WHEN TWO OR MORE CIRCUITS ARE RUN, SUB-PANEL IN GARAGE IS REQUIRED



FROST WALL PLAN

Proposed 24'x 22' garage
Permit #
Lots #2 & 5, 514 NW Main Street
Lee's Summit, Jackson County, Missouri 64063
for Walker Custom Homes LLC

STUDIO ARCHAEO S

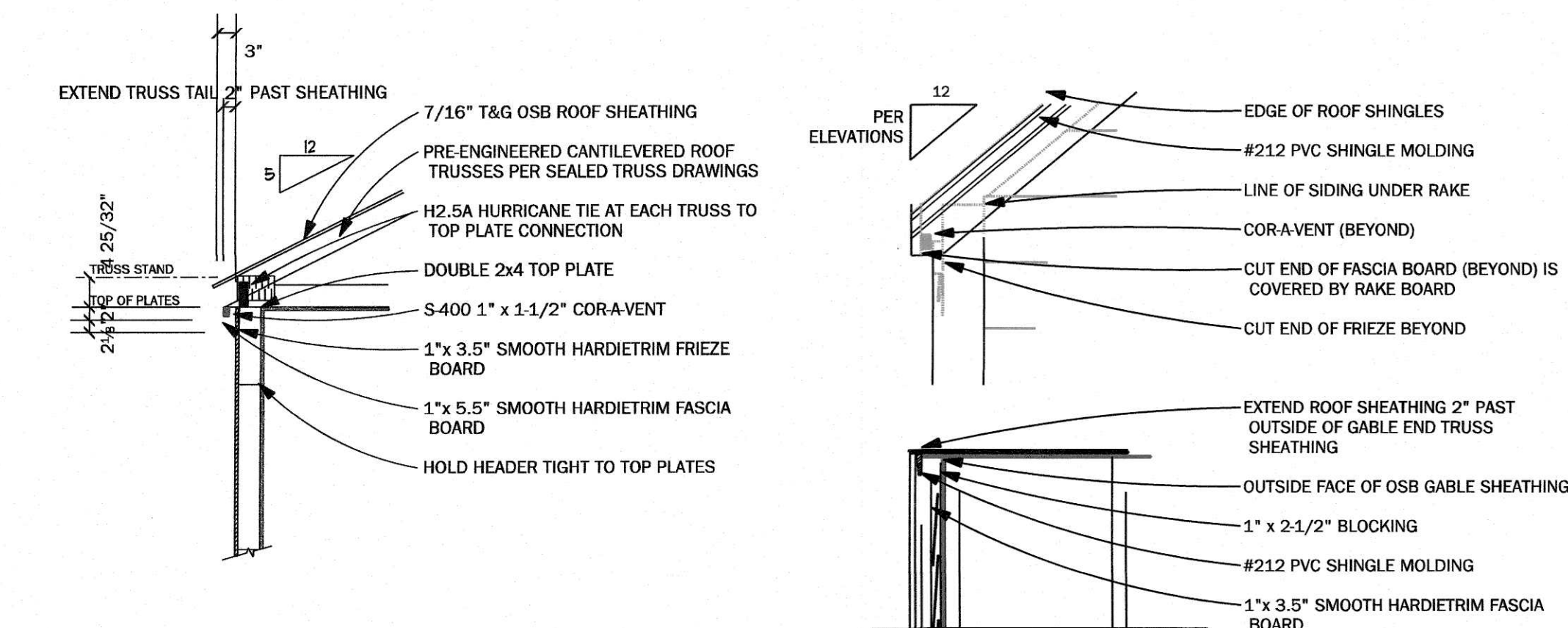
3213 SOUTH MESTER STREET, ST. CHARLES, MO 63301 314-280-3855
MISSOURI STATE CERTIFICATE OF AUTHORITY #2011021199

Revised	By	Checked	Issued for	Date
	Tim		building department submittal	5/22/2020

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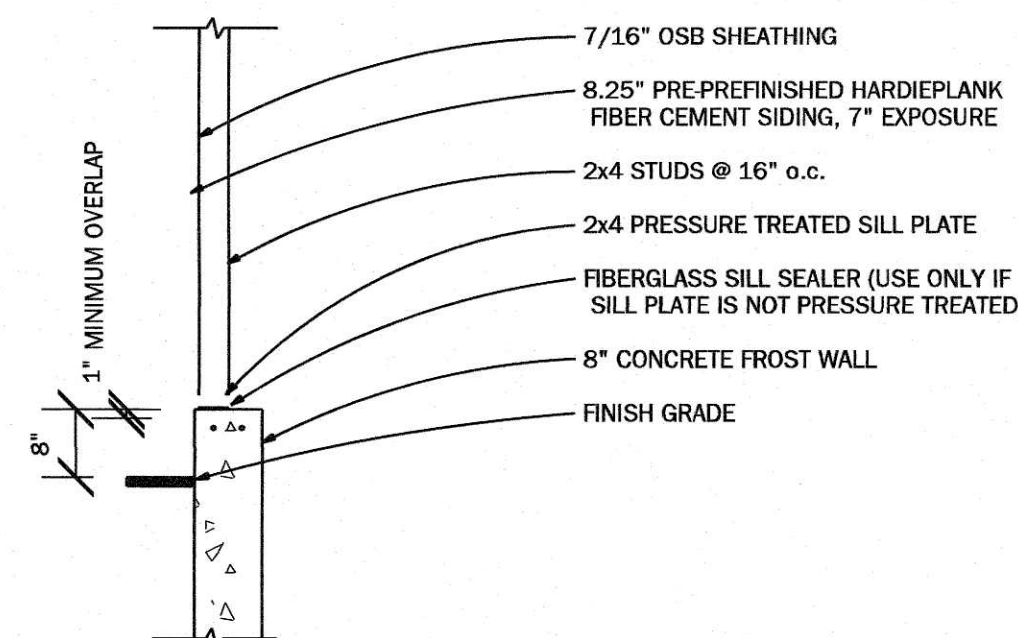
Timothy Louis Busse - Architect
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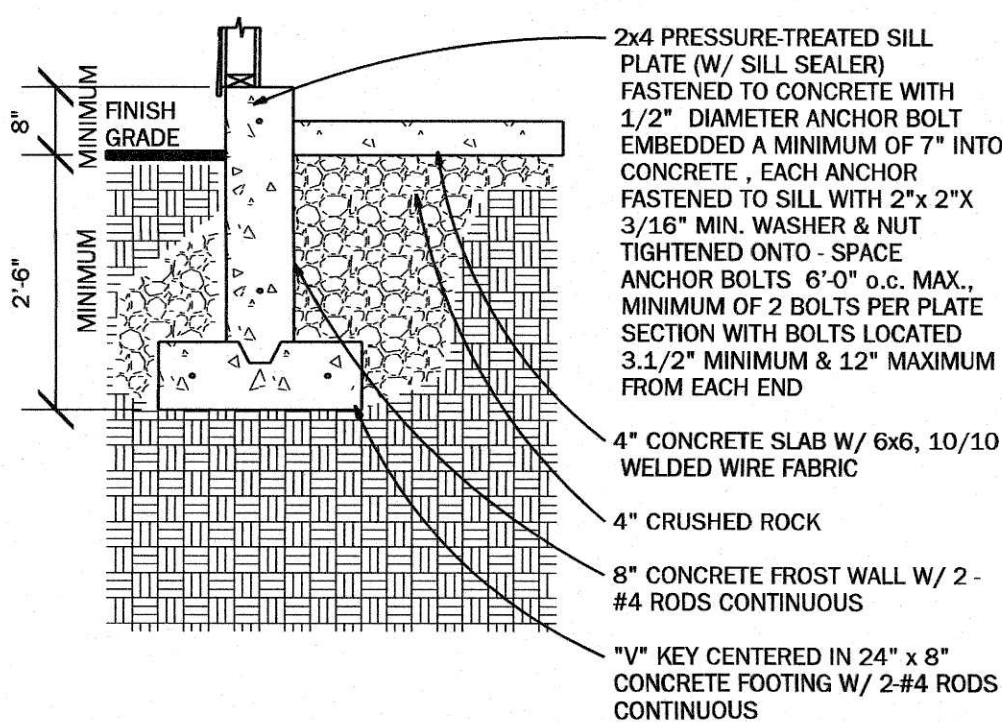


TYPICAL EAVE - 2" OVERHANG

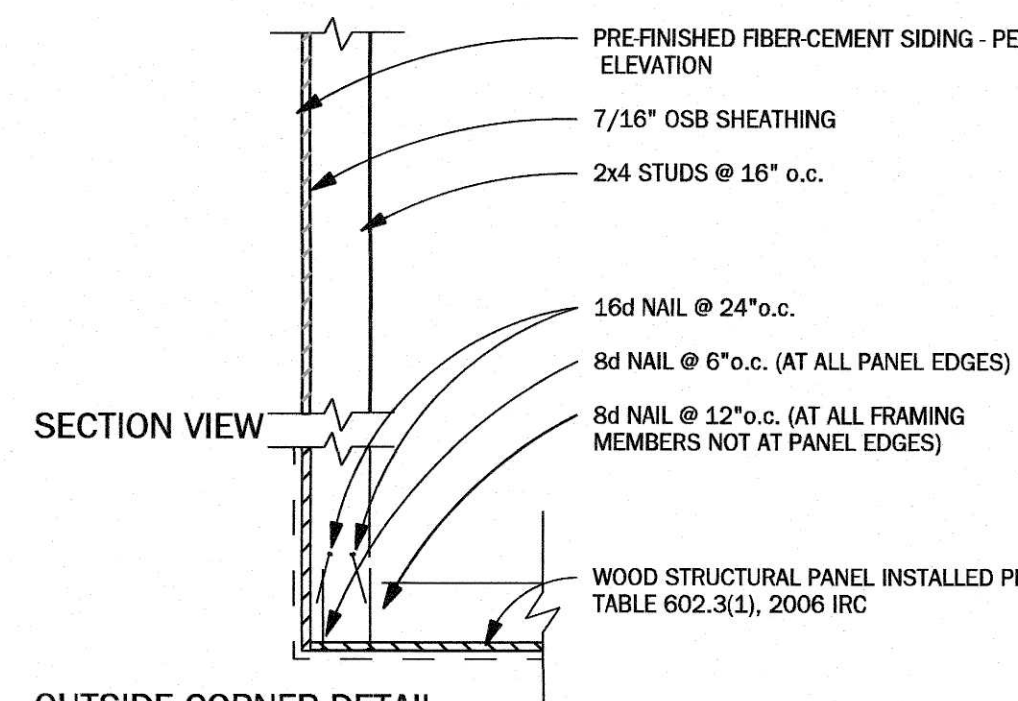
STANDARD RAKE AT GABLE END



TYPICAL WALL SECTION OVER CONCRETE



FROST WALL AT GARAGE



OUTSIDE CORNER DETAIL PLAN VIEW

TYP. CONTINUOUS STRUCTURAL PANEL SHEATHING @ EXTERIOR FRAME WALL