

CHECK ALL DIMENSIONS FOR ACCURACY AND COLUMN SIZES.

BUILDER/CONTRACTOR IS RESPONSIBLE TO BETWEEN FLOORS, FOUNDATION, AND ELEVATIONS. ALSO VERIFY ALL BEAM, HEADERS, PAD LOCATIONS,

FRONT ELEVATION

1/4" = 1'0"

NOTE: ACTUAL ELEVATIONS MAY VARY FROM ARCHITECTURAL

DRAWINGS, DUE TO TERRAIN/BACKFILL PROCESS FRONT ELEVATION IS ARCHITECTURAL DRAWING AND MAY VARY DUE TO MATERIALS AVAILABILITY

ALL NOTES, SECTIONS, AND DRAWINGS ARE IN ACCORDANCE WITH THE 2018 IRC



LOT 133 WOODSIDE RIDGE

STRUCTURAL MEMBER REVIEW AND CERTIFICATION:



FIGINEERING, P.C.

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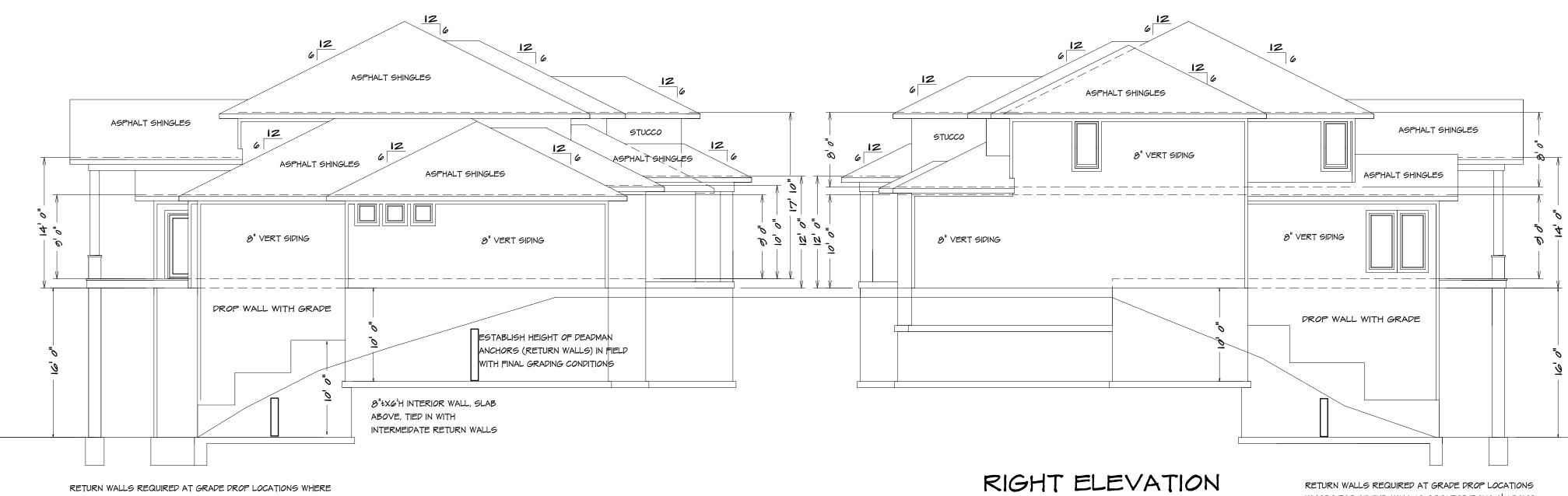
AARON D. USERMILLER, P.E. Mo-2000/1990 // S2327 CERTIFICATION IS PROVIDED HEREON FOR STRUCTURAL ITEMS NOT OTHERWISE ADDRESSED IN THE REQUIREMENTS OF THE 2018 INTERNATIONAL RESIDENTIAL CODE. ALL CONSTRUCTION, MATERIALS, FASTENING NOT SPECIFICALLY DENOTED SHALL COMPLY WITH THE REQUIREMENTS OF THE 2018 IRC AND THEREIN REFERENCED STANDARDS. ANY REQUIRED CLARIFICATIONS OR MODIFICATIONS TO STRUCTURAL ITEMS SHALL BE APPROVED BY THE ENGINEER OF RECORD OR OTHER LICENSED PROFESSIONAL CAPABLE OF CERTIFYING COMPLIANCE WITH THE MINIMUM STANDARDS OF THE APPLICABLE CODE. ENGINEER SHALL NOT BE HELD RESPONSIBLE FOR DRAWING ERRORS AND OMISSIONS IN PLAN OR ELEVATION OF PROVIDED PLANS.

SQUARE FOOTAGE

LIVING AREA FIRST FLOOR = 2073 SECOND FLOOR = 1048 BASEMENT = 1463 COVERED DECK = 334

UNFINISHED AREA MECH ROOM = 265 FRONT STOOP = 157 GARAGE = 760 UNDER STOOP = 134 STORAGE = 323

SHEET NO.		
PLAN NO.	SF-7036 C	7036 FRNT
DATE DRAWN:	DATE REVISED:	DESIGNER:
PHONE:	PHONE:	LOT NO.
HOME BUYER:	Bullder:	SUB-DIVISION:
BUILDER&CONTRACTOR IS RESPONSIBLE TO CHECK ALL DIMENSIONS FOR ACCURACY BETWEEN FLOORS, FOUNDATION, AND ELEVATIONS. ALSO VERIFY ALL BEAM, HEADERS, PAD LOCATIONS, AND COLUMN SIZES. BUILDER&CONTRACTOR TO CHECK FOR	COMPLIANCE WITH CONTRACTS, CITY, AND NATIONAL CODES. BUILDER&CONTRACTOR ACCEPTS ALL RESPONSIBLITY FOR LOT PLACEMENT, SET-BACKS, AND FLOOD PLAINS. BUILDER&CONTRACTOR AND HOME OWNER ACCEPTS RESPONSIBLITY FOR ANY AND ALL	COPYRIGHT INFRINGMENTS OR RESEMBLANCES TO OTHER COPYRIGHTEP FLANS. BUILDER@CONTRACTOR ACCEPTS RESPONSIBLITY FOR ANY AN ON SITE CHANGES MADE TO STRUCTURE.



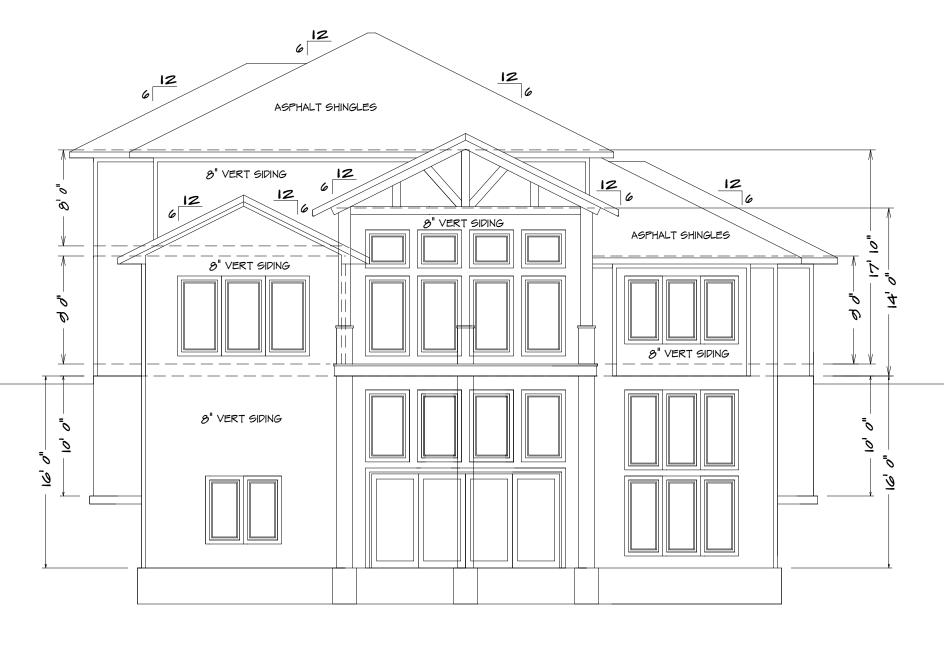
TOP OF FND. WALL IS GREATER THAN 4' ABOVE GRADE. CONTINUOUS REINFORCEMENT AT ALL FOOTING JUMPS. ALL INTERIOR FOUNDATION WALLS AT FLOOR DROP SHALL HAVE VERT. BARS EXTENDED AND TIED TO FLOOR SLAB WITH INTERMEDIATE DEADMEN ANCHORS. EXTEND FROST DEPTH FOOTING AROUND CORNER AS NECESSARY TO MAINTAIN A MINIMUM 36 INCHES BELOW ADJACENT GRADE.

|/8" = |'0"

LEFT ELEVATION

|∕8" = |'0"

WHERE TOP OF FND. WALL IS GREATER THAN 4' ABOVE GRADE. CONTINUOUS REINFORCEMENT AT ALL FOOTING JUMPS. ALL INTERIOR FOUNDATION WALLS AT FLOOR DROP SHALL HAVE VERT. BARS EXTENDED AND TIED TO FLOOR SLAB WITH INTERMEDIATE DEADMEN ANCHORS. EXTEND FROST DEPTH FOOTING AROUND CORNER AS NECESSARY TO MAINTAIN A MINIMUM 36 INCHES BELOW ADJACENT GRADE.





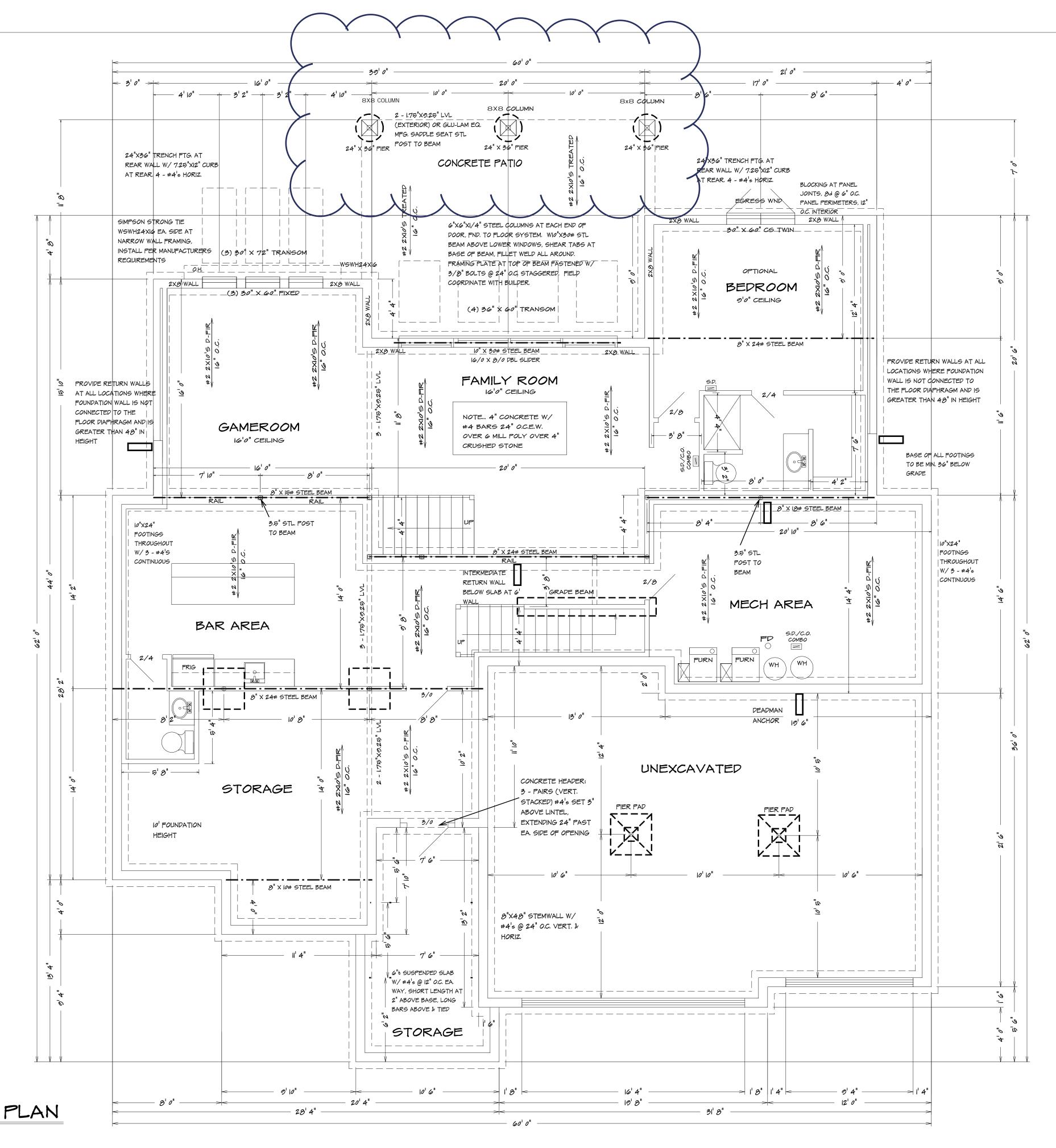
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HOME BUYER:		BUILDER:		SUB-PIVISION:
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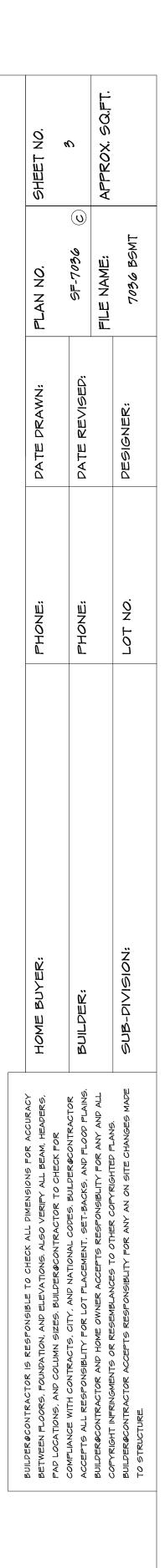




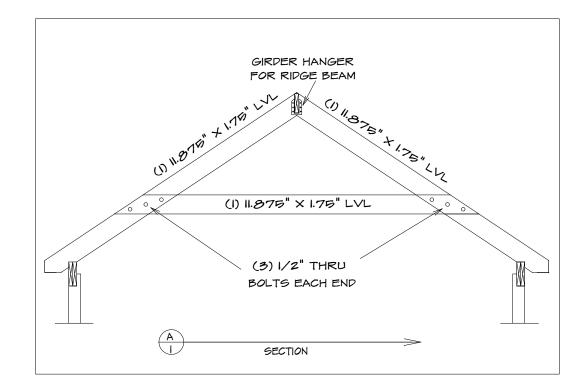
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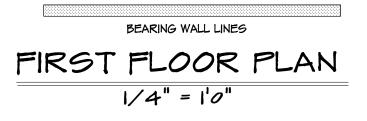
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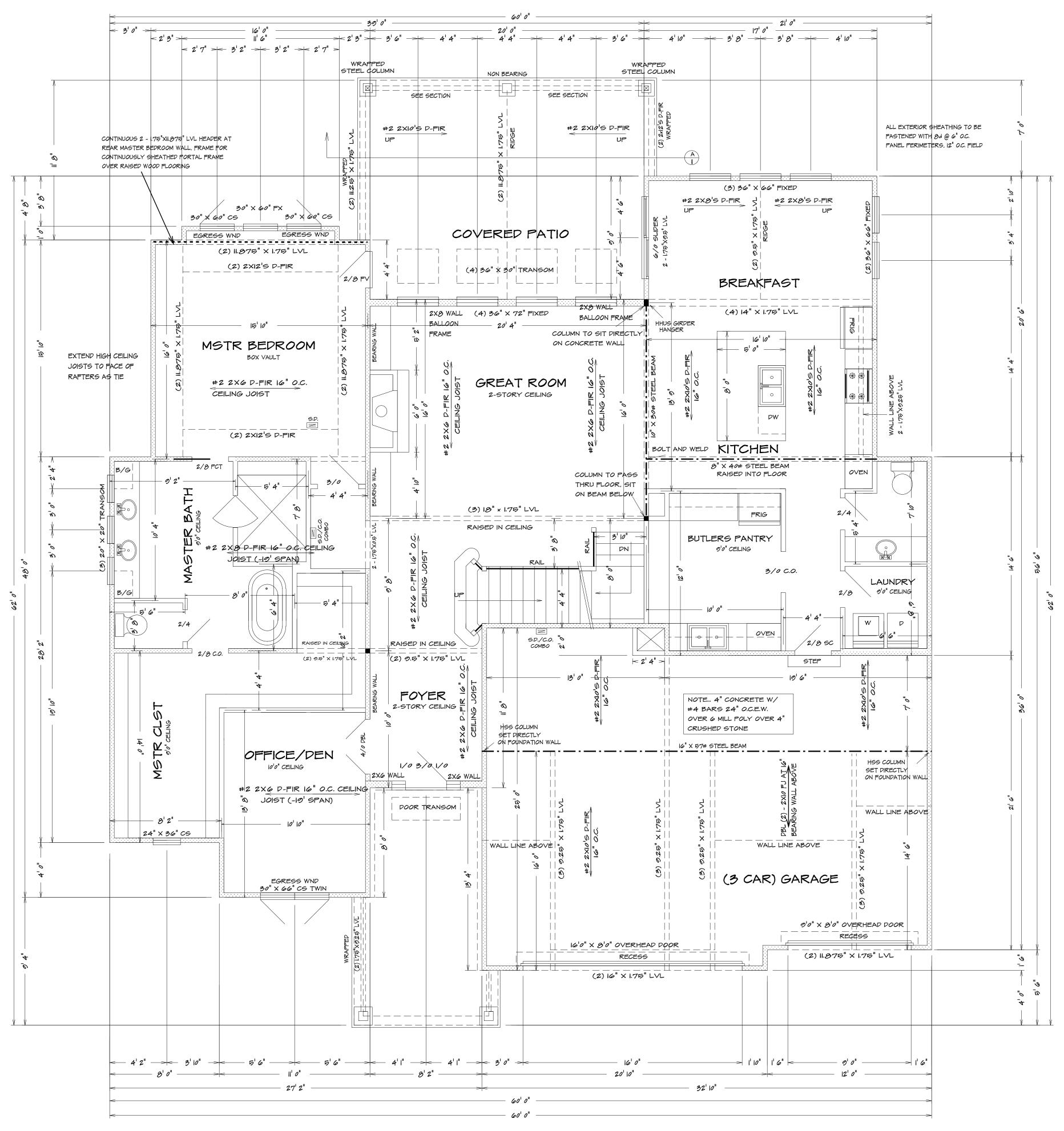


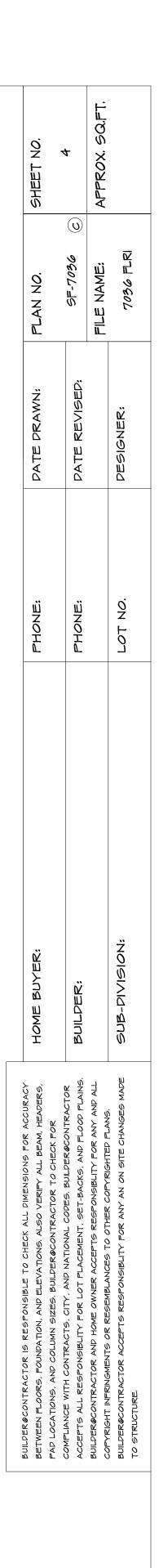




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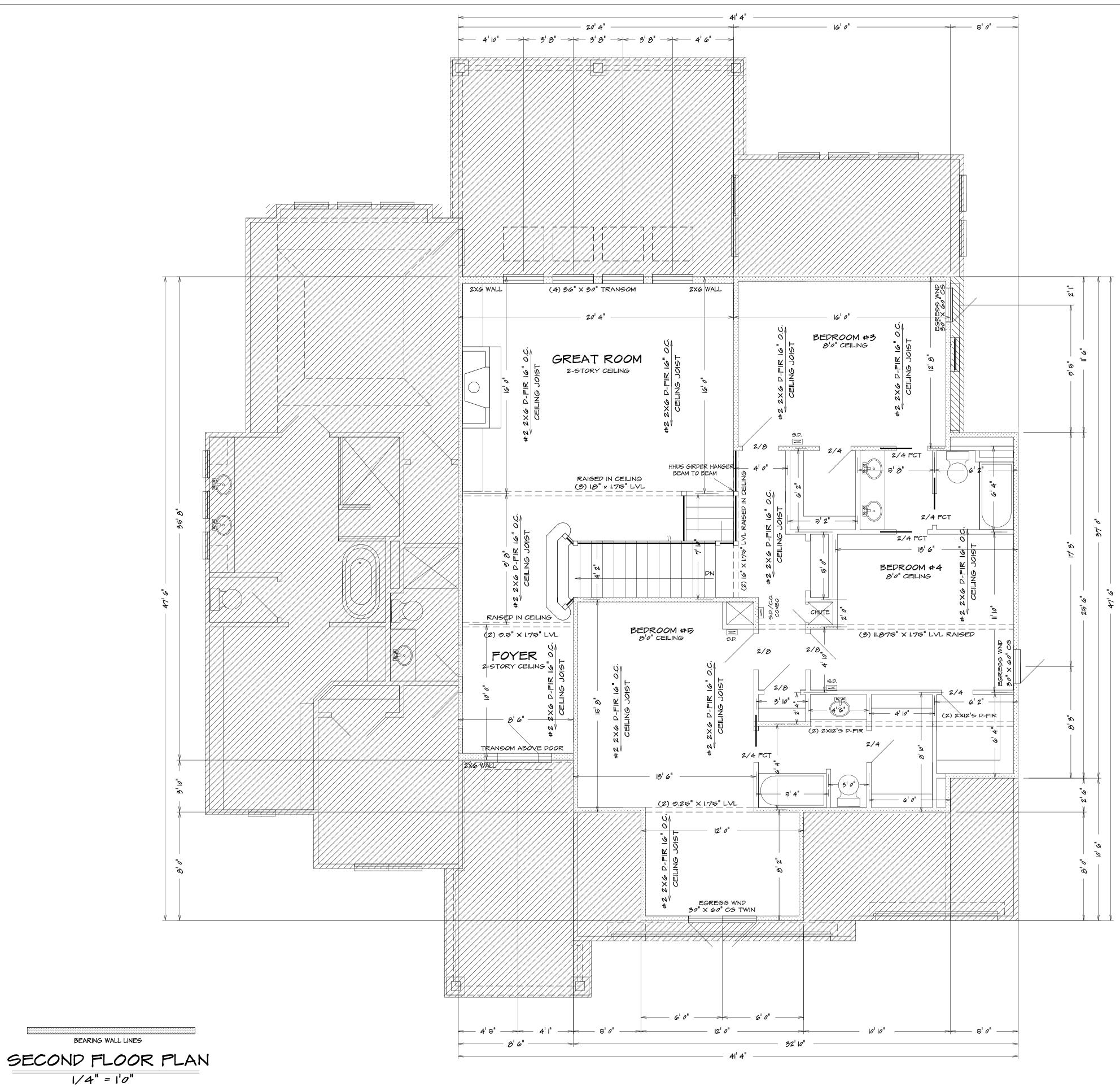
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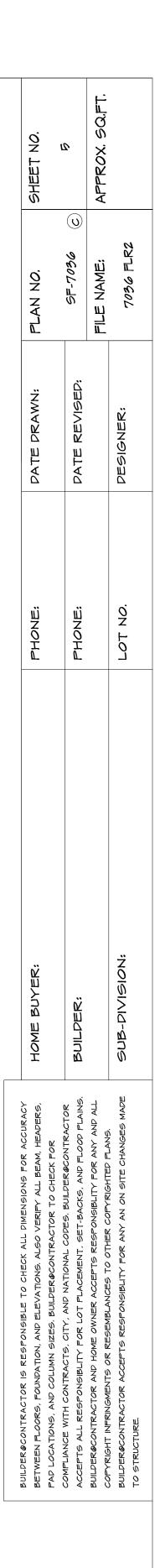




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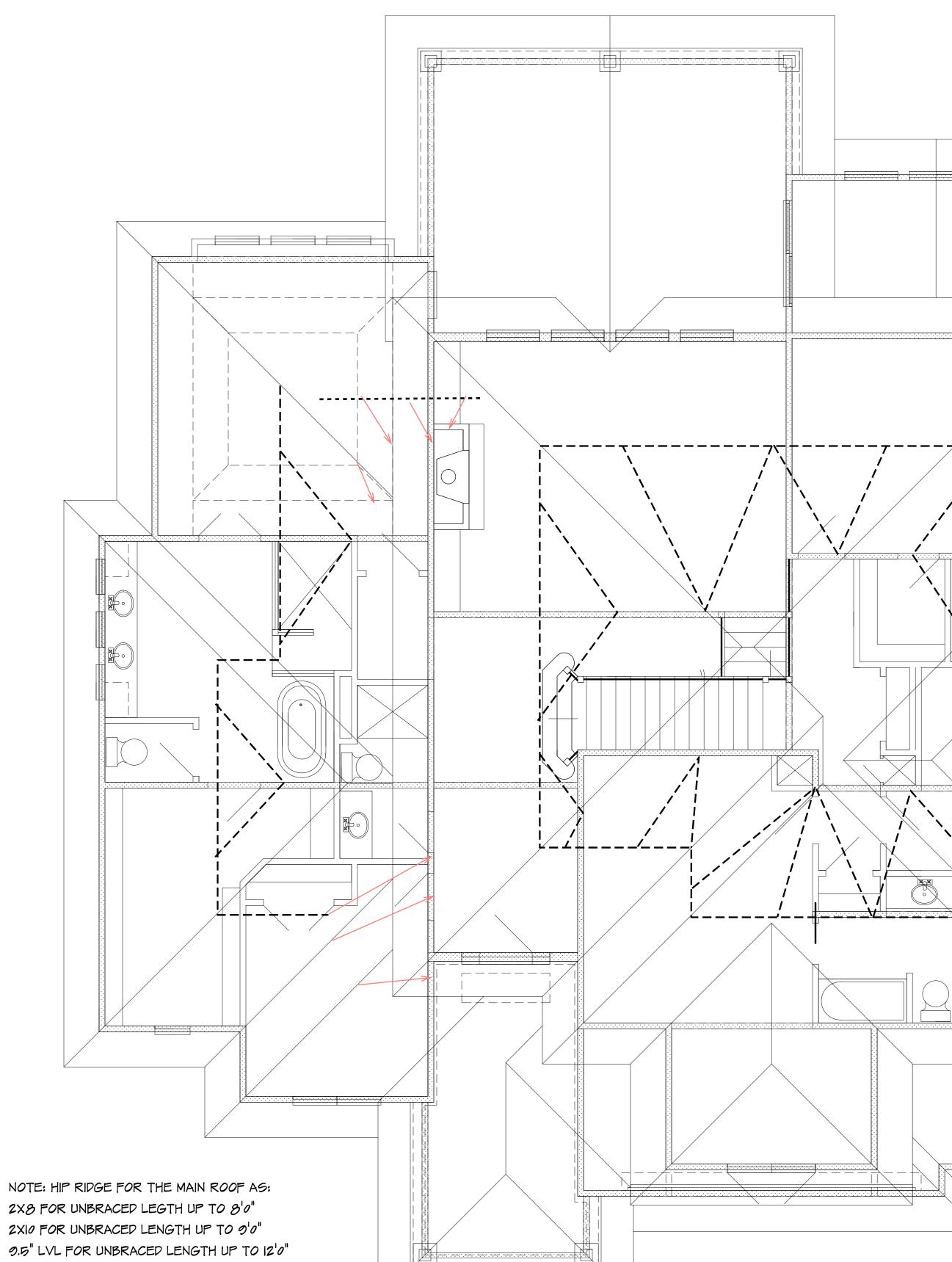


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SF-7036



ROOF ELEVATION

1/4" = 1'0"

BEARING WALL LINES

2X8 FOR UNBRACED LEGTH UP TO 8'0''2X10 FOR UNBRACED LENGTH UP TO 9'0" 9.5" LVL FOR UNBRACED LENGTH UP TO 12'0" ALL RAFTERS TO BE #2 2X6 D-FIR 16" O.C. UNLESS OTHERWISE NOTED

PURLING RAFTERS TO BEARING WALL LINES CONNECT RAFTERS TO CEILING JOIST W/ 4-16d GALV. NAILS

CONNECT RAFTERS TO RIDGE, VALLEY, AND HIP W/ 4-16d GALV.NAILS

VERT. RIDGE AND RAFTER SUPPORTS TO BE EQUAL TO OR GREATER THAN THE DEPTH OF RAFTERS

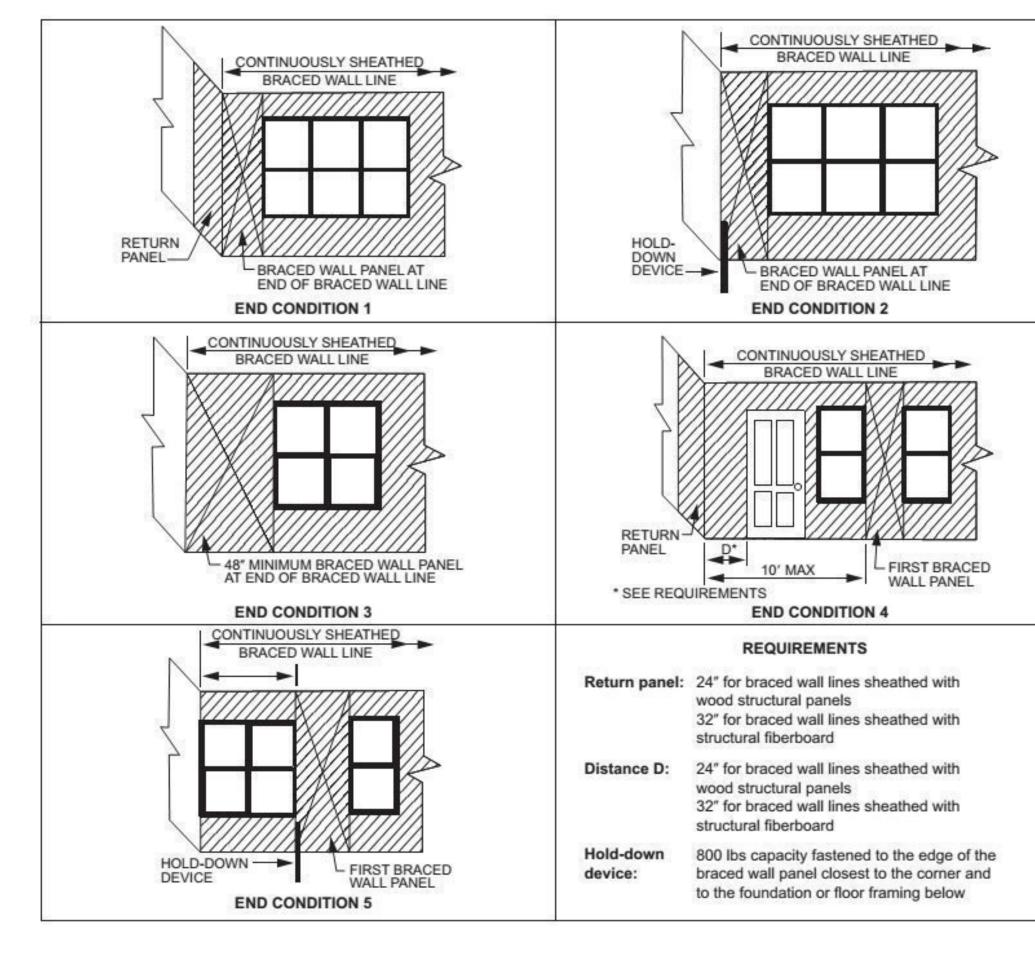
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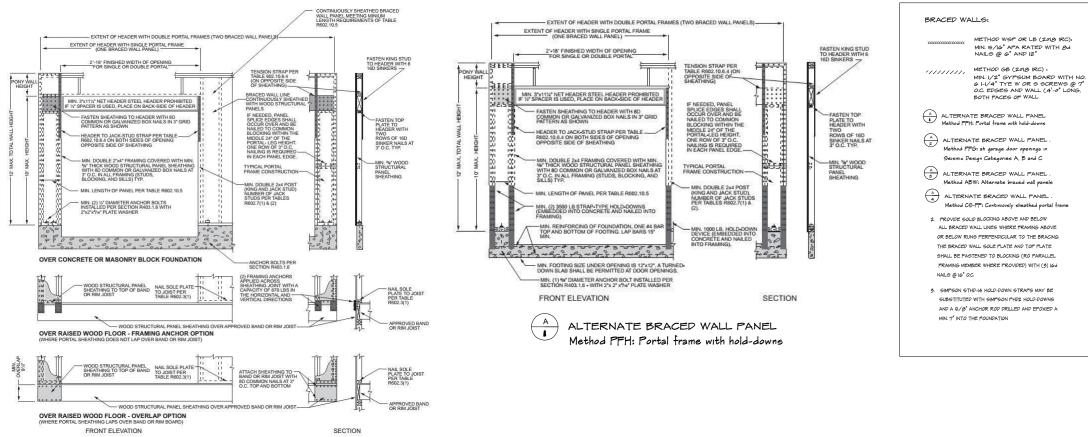
ROOF DESIGNED WITH: LIVE LOAD = 20 PSF DEAD LOAD = 10 PSF

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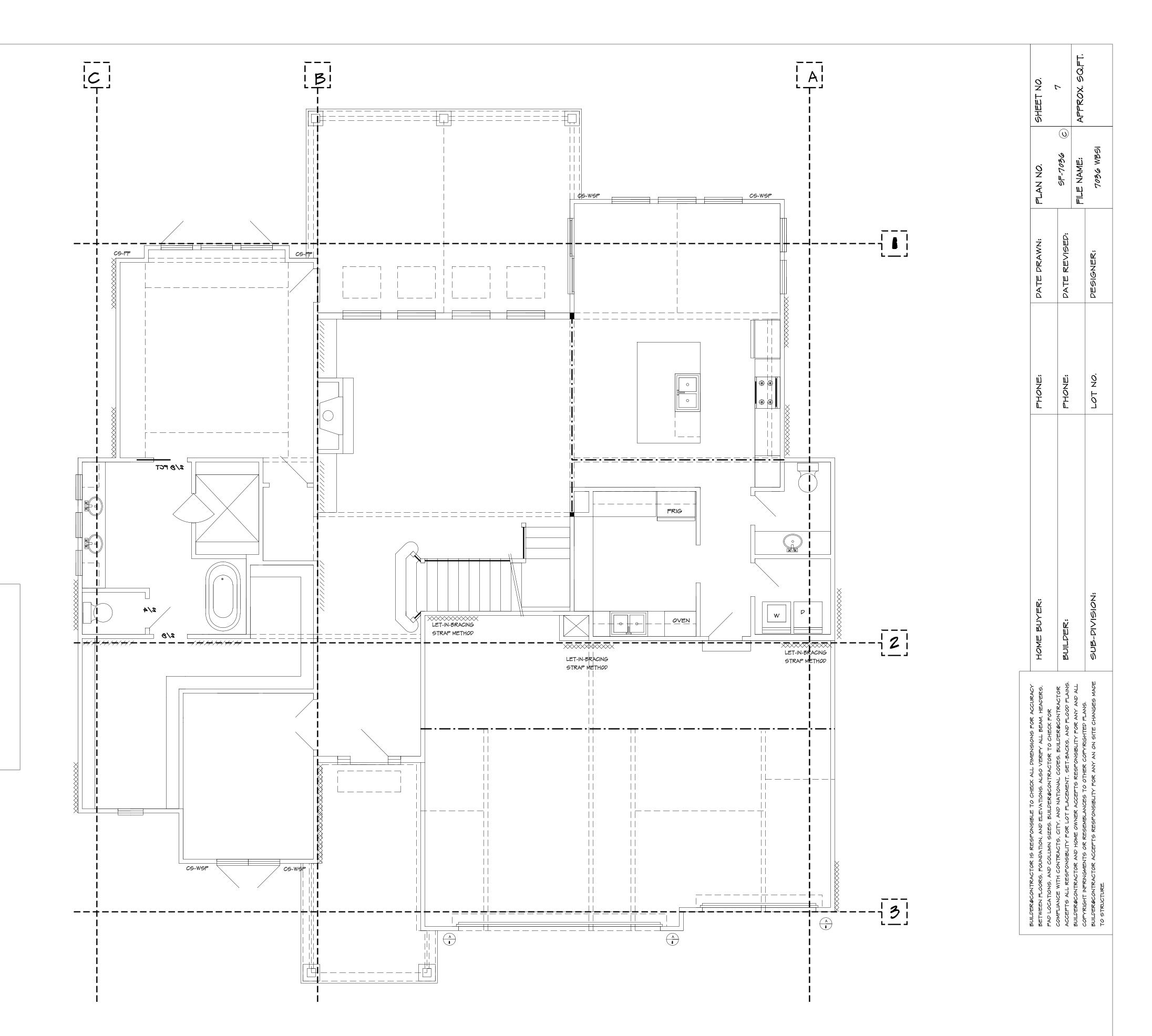
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COMPLIANCE WITH CONTRACTS, CITY, AND NATIONAL CODES. BUILDER@CONTRACTOR ACCEPTS ALL RESPONSIBLITY FOR LOT PLACEMENT, SET-BACKS, AND FLOOD PLAINS.	BUILDER:	PHONE:	DATE REVISED:	5F-7036 C	9
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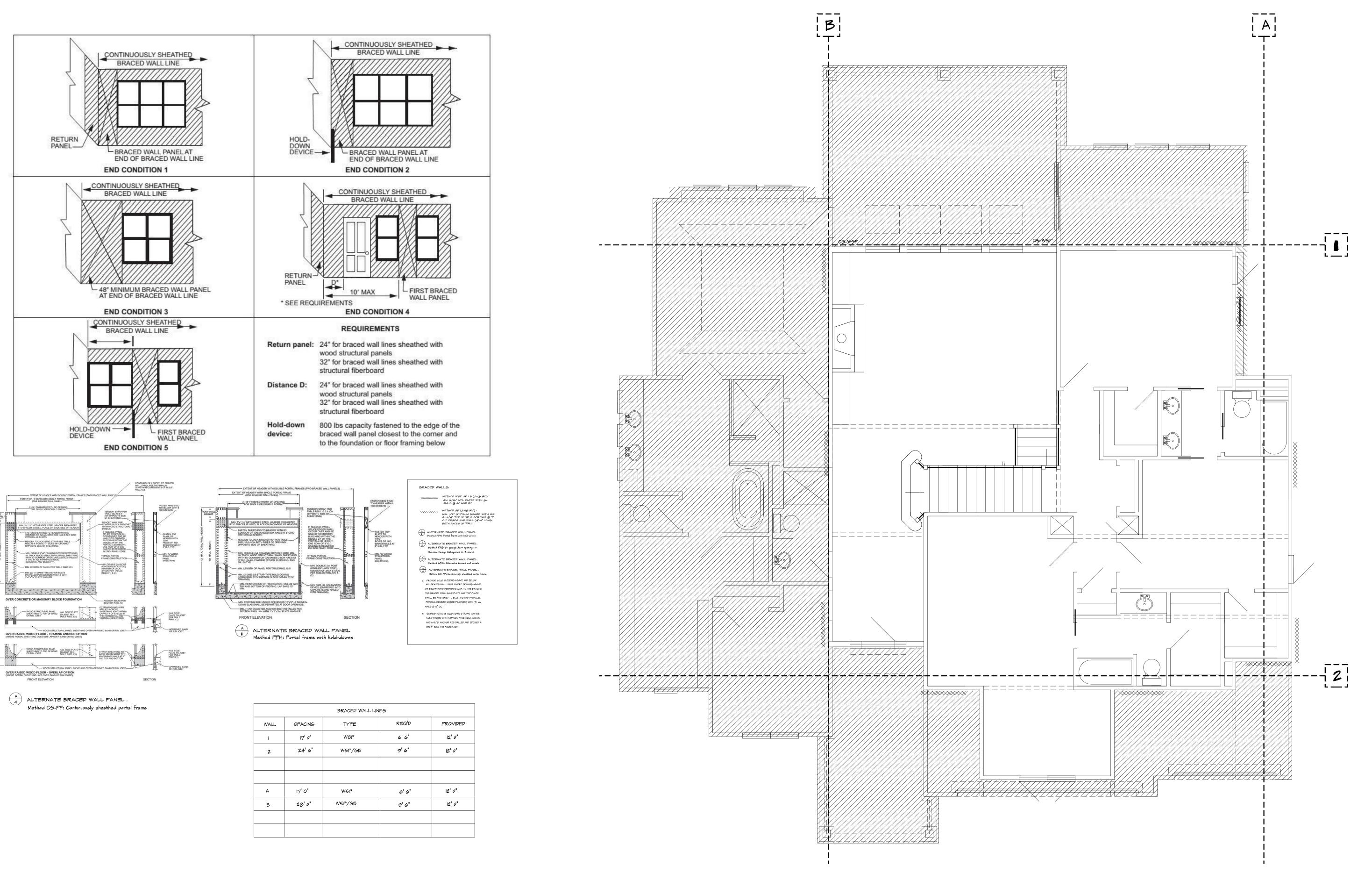
A ALTERNATE BRACED WALL PANEL . Method CS-PF: Continuously sheathed portal frame

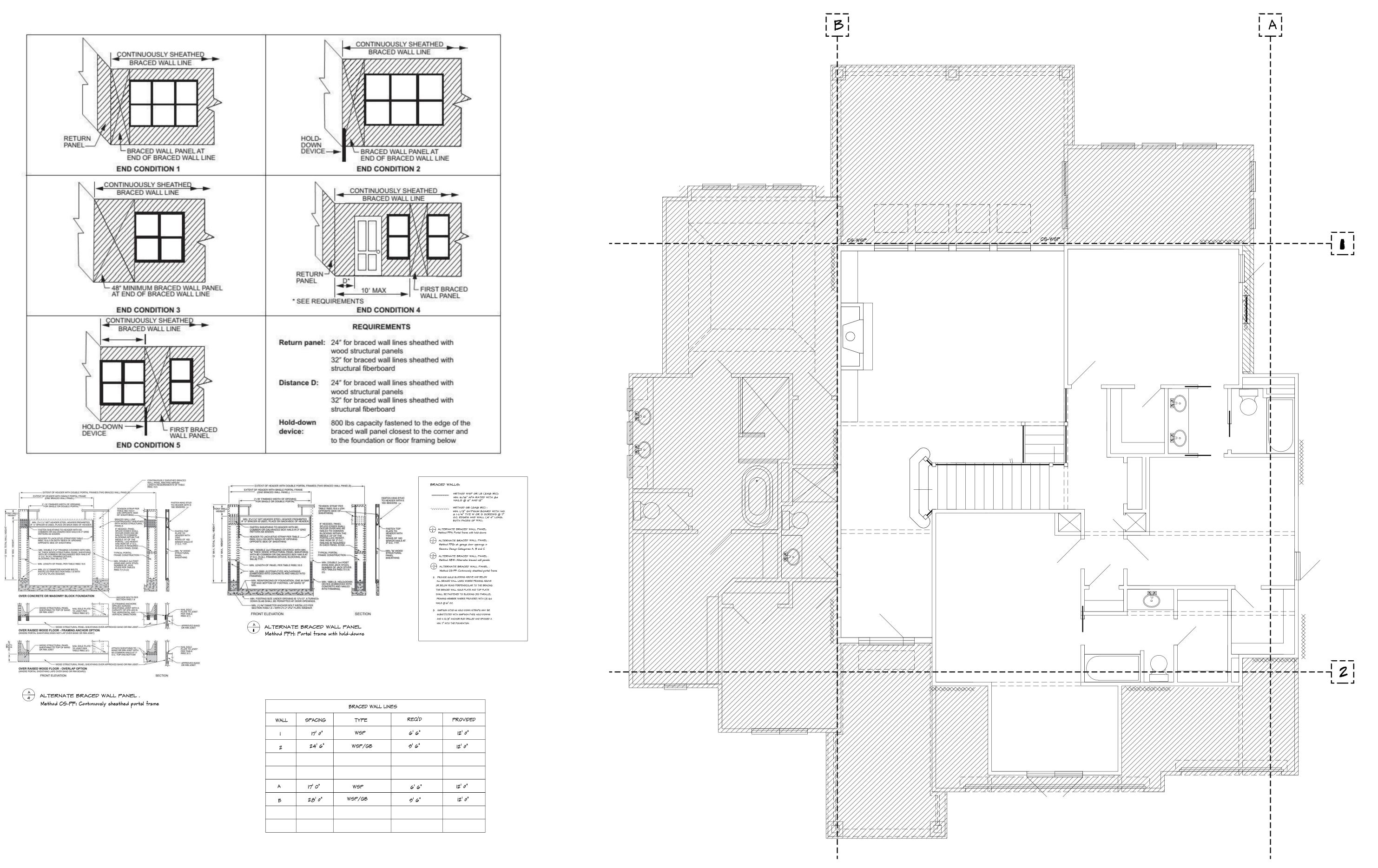
BRACED WALL LINES					
WALL	SPACING	TYPE	REQ'D	PROVIDED	
I	17' 0"	CS-PF/WSP	6'6"	16' 0"	
2	24' 6"	LIB/GB	0' 6"	16' 0"	
3	7'6"	WSP/PFH	3' 6"	19'0"	
A	17' 0"	WSP	6'6"	16' 0"	
В	28'0"	WSP/GB	0'6"	24' 0"	
с	' <i>0</i> "	WSP	3'6"	16' 0"	



FIRST FLOOR WALL BRACE PLAN 1/4" = 1'0"

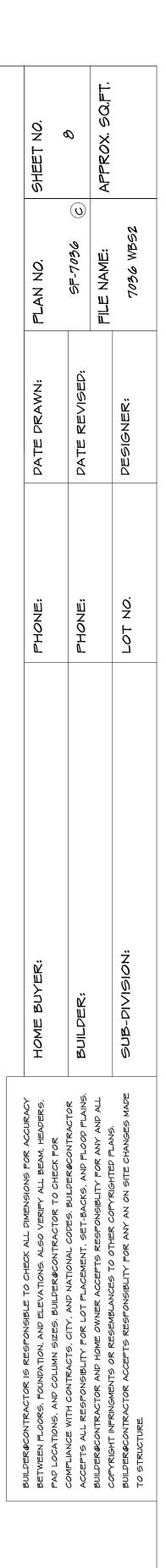






BRACED WALL LINES					
WALL	SPACING	TYPE	REQ'D	PROVIDED	
I	17' 0"	WSP	6'6"	12' 0"	
2	24' 6"	WSP/GB	9'6"	12' 0"	
А	17' 0"	WSP	6'6"	12' 0"	
В	28'0"	WSP/GB	O' 6"	12' 0"	

WALL BRACE PLAN





GENERAL NOTES

WINDOW SIZES SHOWN ARE APPROXIMATE. THE BUILDER SHALL SELECT WINDOWS TO MEET BUILDING CODE REQUIREMENTS AND TO FIT IN THE AVAILABLE SPACE. OVERALL ROUGH OPENINGS FOR MULLED UNITS WILL VARY BY WINDOW/ DOOR MANUFACTURER.

EXTERIOR WALLS ARE 2x4 STUDS AT 16" O.C. UNLESS OTHERWISE NOTED.

GARAGE

THE GARAGE FLOOR SHALL BE SLOPED TOWARD GARAGE DOORS DOORS BETWEEN GARAGE AND DWELLING - MIN 1 3/8" SOILD CORE OR HONEY COMBED STEEL DOOR OR 20 MIN. RATED. GARAGE TO HAVE 5/8" TYPE X GYPSUM THROUGHTOUT THE H-FRAM SHALL CONSIST OF 2X6 FRAMING

GLAZING

GLAZING IN HAZARDOUS LOCATIONS AS IDENTIFIED IN 2018 IRC SHALL BE APPROVED SAFTY GLAZING MATERIALS: GLASS IN STORM DOORS, INDIVIDUAL FIXED OR OPENABLE PANELS ADJACENT TO A DOOR WHERE THE NEAREST VERTICAL EDGE IS WITHIN A 24" ARCH OF THE DOOR IN CLOSED POSITION AND WHOSE BOTTEM EDGE IS WITHIN 60" OF THE FLOOR: WALLS ENCLOSED STAIRWAYS AND LANDINGS WHERE THE GLAZING IS WITHIN 60" OF THE TOP OR BOTTEM OF THE STAIR: ENCLOSURES FOR SPAS, TUBS, SHOWERS, AND WHIRLPOOLS: GLAZING IN FIXED OR OPENABLE PANELS EXCEEDING 9 SQ. FT. AND WHOSE BOTTEM EDGE IS LESS THAN 18" ABOVE THE FLOOR OR WALKING SURFACE WITH IN 36"

EMERGENCY EGRESS

PROVIDE ONE WINDOW FROM EACH BEDROOM THAT HAS A MIN. OPENABLE AREA OF 5.7 SR. FT. WITH A MIN. OPENABLE HEIGHT OF 24" AND WIDTH OD ZI"

ELECTRICAL OUTLETS

ALL OUTLETS TO BE ARC FAULT CIRCUIT-INTERRUPTER OR GROUND FAULT CIRCUIT-INTERRUPTER PROTECTED EXCEPT.. REFRIGERATOR, SINGLE OUTLET FOR SUMP PUMP AND SINGLE OUTLET IN GARAGE FOR A FREEZER ALL OUTLETS TO BE TAMPER RESISTANT

CARBON MONOXIDE ALARMS

CARBON MONOXIDE ALARMS FOR NEW CONSTRUCTION, AN APPROVED CARBON MONOXIDE ALARM SHALL BE INSTALLED OUTSOIDE OF EACH SEPARATE SLEEPING AREA IN THE IMMEDIATE VICINITY OF THE BEDROOMS IN DWELLING UNITS WITHIN WHICH FUEL-FIRED APPLIANCES ARE INSTALLED AND IN DWELLING UNITS THAT HAVE ATTACHED GARAGE.

CARBON MONOXIDE DETECTION SYSTEMS

CARBON MONOXIDE DETECTION SYSTEMS THAT INCLUDE CARBON MONOXIDE DETECTORS AND AUDIBLE NOTIFICATION APPLIANCES, INSTALLED AND MAINTAINED IN ACCORDANCE WITH THIS SECTION FOR CARBON MONOXIDE ALAMS AND NFPA 720, SHALL BE PERMITTED. THE CARBON MONOXIDE DETECTORS SHALL BE LISTED AS COMPLYING WITH UL 2075. WHERE A HOUSEHOLD CARBON MONOXIDE DETECTION SYSTEM IS INSTALLED, IT SHALL BECOME A PERMANENT FIXTURE OF THE OCCUPANCY, OWNED BY THE HOMEOWNER AND SHALL BE MONITORED BY AN APPROVED SUPERVISING STATION.

GUARD OPENING LIMITATIONS

REQUIRED GUARDS ON OPEN SIDES OF STAIRWAYS, RAISED FLOOR AREA, BALONIES, AND PORCHES SHALL HAVE INTERMEDIATE RAILS OR ORNAMENTAL CLOSURES THAT DO NOT ALLOW PASSAGE OF A SPHERE 4" OR MORE IN DIAMETER.

OPENING PROTECTION

OPENING FROM A PRIVATE GARAGE DIRECTLY INTO A ROOM USED FOR SLEEPING PURPOSES SHALL NOT BE PERMITTED. OTHER OPENINGS BETWEEN THE GARAGE AND RESIDENCE SHALL BE EQUIPPED WITH SOLID WOOD DOORS NOT LESS THAN 13/8" IN THICKNESS, SOLID OR HONEYCOMB-CORE STEEL DOOR NOT LESS THAN I 3/8" THICK, OR 20 MINUTE FIRE-RATED DOORS, EQUIPPED WITH A SELF-CLOSING DEVICE.

SMOKE ALARMS

PROVIDE SMOKE ALARMS IN EACH SLEEPING ROOM, OUTSIDE OF EACH SLEEPING ROOM AND ON EACH FLOOR, INCLUDING BASEMENT. ALARMS SHALL BE INTERCONNECTED IN SUCH A MANNER THAT THE ACTIVATION OF ONE ALARM WILL ACTIVATE ALL OF THE ALARMS IN THE DWELLING.

FRAMING NOTE

ALL LUMBER SIZES ARE FOR #2 D-FIR-LARCH ALL HEADERS TO BE MIN. (2) #2-2X10 BLOCK CANTILEVERS, DOOR JAMBS, AND OVER BEAMS ALL HEADRS TO BEAR ON MIN. OF (2) 2X4 STUDS JOIST UNDER BEARING PARTITIONS SHALL BE DOUBLED AND COMPLY WITH 2018 IRC WATER-RESISTIVE BARRIER SHALL BE PROVIDED OVER ALL EXTERIOR WALLS PER 2018 IRC

ROOF PLAN NOTES ALL ROOF RAFTERS NOT CALLED OUT ARE TO BE 2×6 SPF #1/#2@16"c

ALL CEILING JOISTS NOT CALLED OUT ARE TO BE 2×6 SPF #1/#2 @ 16"c

ALL VAULTS TO BE FURRED DOWN w/2x MATERIAL TO PROVIDE FOR R-38 INSULATION

ALL EXTERIOR AND LOAD BEARING WINDOW AND DOOR HEADERS TO BE (2) 2x10 D.FIR #2 UNLESS NOTED OTHERWISE ON PLANS ALL RIDGES, HIPS, AND VALLEYS NOT MARKED SHALL BE (1) NOMINAL SIZE LARGER THAN THE INTERSECTING RAFTERS CEILING JOISTS AND RAFTERS SHALL BE NAILED TO EACH OTHER

WITH (3) IGd COM (3 I/2"x0.IG2") NAILS AND THE RAFTER SHALL BE NAILED TO THE TOP WALL PLATE WITH (3) 8d COM (2 1/2"x0.131") NAILS. CEILING JOISTS SHALL BE CONTINUOUS OR SECURELY JOINED WITH (3) IGd COM (3 1/2"x0.162") NAILS WHERE THEY MEET OVER INTERIOR PARTITIONS AND ARE NAILED TO ADJACENT RAFTERS TO PROVIDE A CONTINUOUS TIE ACROSS THE BUILDING WHEN SUCH JOISTS ARE PARALLEL TO THE RAFTERS. WHERE CEILING JOISTS ARE NOT CONNECTED TO THE RAFTERS AT THE TOP WALL PLATE (or AT LOCATIONS WHERE C.J. ARE

PERPENDICULAR TO RAFTERS), INSTALL 2×4 RAFTER TIES, IN THE LOWER 1/3 OF ATTIC SPACE @ 16" = WITH (3) 16d COM

(3 1/2"x0.162") NAILS EA END. COLLAR TIES SHALL BE PROVIDED IN THE ATTIC SPACE IN THE UPPER 1/3 OF ATTIC

RAFTER CONNECTIONS DESIGNED TO RESIST UPLIFT FORCES PER 2018 IRC TABLE 802.11. ROOF HEADERS DO NOT HAVE

NOTABLE UPLIFT TO REQUIRE HOLD DOWNS. PROVIDE METAL FLASHING AT ALL ROOF VALLEYS.

ROOF AND SOFFIT VENTS PER LOCAL CODES. WHERE POSSIBLE, PROVIDE ROOF VENTING ON BACK SIDE OF ROOF. EXACT GUTTER AND DOWNSPOUT LOCATION BY GUTTER INSTALLER.

ROOF IS DESIGNED FOR 20 P.S.F. ROOF SNOW LOAD (MIN.) MIN 20 YR. ASPHALT SHINGLES

RAFTER TIES SHALL NOT BE REQUIED WHEN A STRUCTURAL RIDGE HAS BEEN PROVIDED AND ADEQUATELY DESIGNED (AS IN A FULLY VAULTED ROOM) SUCH SHALL BE NOTED AS "STRUCTURAL" ON THE PLAN. PER 2018 IRC

ROOF BRACING

ROOF PURLING TO BE PLACED APPROXIMATELY WHERE SHOWN ON ROOF PURLINS, USE 2×6 STUD GRADE PURLIN PLACED PERPENDICULAR TO RAFTERS (UNLESS NOTED OTHERWISE ON PLANS)

RIDGE, HIP, VALLEY, AND PURLIN BRACE STRUTS TO BE PLACED AS SHOWN ON PLANS. STRUTS TO BE 2x4 STUD GRADE w/ MAXIMUM UNBRACED LENGTH OF \mathcal{B}' -0" AND AT A 45° ANGLE w/ HORIZONTALOR GREATER (VERTICAL WHERE POSSIBLE)

BRACES LONGER THAN $\vartheta' \cdot \vartheta''$ SHALL BE 2x4 STRONG BACK BRACES EXCEPTIONS:

WINDOWS WHOSE OPENING WILL NOT ALLOW A 4" DIAMETER SPHERE TO PASS THROUGH THE OPENING WHEN THE OPENING IS IN ITS LARGEST OPENED POSITION. OPENINGS THAT ARE PROVIDED WITH WINDOW FALL PREVENTION DEVICES, WHICH COMPLY WITH ASTM F 2090. WINDOWS THAT ARE PROVIDED WITH WINDOW OPENING CONTROL

DEVICES THAT COMPLY WITH SECTION R312.2.2.

EXHAUST AIR

BATHROOMS, WATER CLOSET COMPARTMENTS AND OTHER SIMILAR ROOMS SHALL BE PROVIDED WITH AGGREGATE GLAZING AREA IN WINDOWS OF NOT LESS THAN 3 SQUARE FEET, ONE-HALF OF WHICH MUST BE OPERABLE EXCEPTION:

THE GLAZED AREAS SHALL NOT BE REQUIRED WHERE ARTIFICIAL LIGHT AND A LOCAL EXHAUST SYSTEM ARE PROVIDED. THE MINIMUM LOCAL EXHAUST RATE SHALL BE DETERMINED IN ACCORDANCE WITH SECTION MIG07. EXHUAST AIR FROM THE SPACE SHALL BE EXHAUSTED DIRECTLY TO THE OUTDOORS

BRIDGING

JOISTS EXCEEDING A NOMINAL 2" X 12" SHALL BE SUPPOTED LATERALLY BY SOLID BLOCKING, DIAGONAL BRIDGING (WOOD OR METAL), OR A CONTINUOUS I" X 3" STRIP NAILED ACROSS THE BOTTEM OF THE JOIST PERPENDICULAR TO JOIST AT INTERVALS NOT EXCEEDING 8 FEET

WINDOW AND DOOR NOTES

I. ALL WINDOWS ARE SHOWN IN FEET (1.E. 3050 IS A 3'0"x5'0" WINDOW). ALL DOORS SHOWN IN FEET AND INCHES (1.E. 2868 DOOR IS A 2'-8"x6'-8" DOOR). CONTRACTOR/INSTALLER TO VERIFY R.O. DIMENSIONS WITH BUILDER SUPPLIED CUT SHEET PRIOR TO FRAMING. ENERGY CODE REQUIREMENTS. 3. PROVIDE EGRESS WINDOW IN ALL SLEEPING ROOMS. A. MINIMUM OPEN AREA

B. MINIMUM OPENING HEIGHT 24 INCHES

D. SILL HEIGHT 44" MAX ABOVE FLOOR 4. ALL WINDOW SILLS ARE TO BE 24" MIN ABOVE FINISH FLOOR, OR SHALL BE FIXED/INOPERABLE 5. ALL WINDOWS AND GLAZED DOORS SHALL COMPLY WITH BE OF APPROVED SAFETY GLAZING MATERIALS.

WITHIN 36" IRC R612.2.

16 CFR 1201.

I. ALL STUD WALL FRAMING SHALL BE CONTINUOUS FROM THE FLOOR TO ROOF OR CEILING

DIAPHRAGM, U.N.O. ALL WALLS OVER 10'-0" ARE TO BE 2x6 @ 16"c U.N.O. 2. PROVIDE WATER-RESISTANT EXTERIOR WALL COVERING ON ALL FRAMED WALLS TO COMPLY WITH IRC SECTION 802.3. 3. PROVIDE GFCI ELECTRICAL OUTLETS ON EXTERIOR, IN UNFINISHED BASEMENT, IN BATHROOMS, ABOVE KITCHEN COUNTERS, IN GARAGE, AND WITHIN 6'-0" OF ANY SINK. 4. ALL EXTERIOR DOORS SERVED BY LANDING. 5. INSTALL CARBON MONOXIDE DETECTORS PER IRC SECTION 315 OUTSIDE OF EACH SLEEPING AREA. 6. INSTALL SMOKE DETECTORS IN EACH SLEEPING ROOM, OUTSIDE OF EACH SLEEPING AREA, WITH A MINIMUM OF ONE ON EACH FLOOR PER IRC SECTION 314. 7. PROVIDE A "UFER" GROUND PER IRC 3608.1. 8. REFER TO WALL BRACE SHEET FOR ALL WALL BRACING DETAILS AND/OR CALCULATIONS. 9. INSTALL BLOCKING FOR TP HOLDERS, TOWEL BARS, AND

TRIM BEAMS. SHALL CONSIST OF THE FOLLOWING: 2×6 VERTICAL JAMBS RUNNING FROM FLOOR TO

330-02 PER IRC SECTION R 612.4. TREAD DEPTH OF 10". OTHERWISE ON PLANS

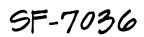
NOTED OTHERWISE.

GENERAL HEADER SPECIFICATIONS:

REQUIRED AREAS NEEDING HEADERS: HEADER DESCRIPTIONS: WINDOWS/DOORS UP TO 38" R.O. WINDOWS/DOORS 38" UP TO 72" R.O. WINDOWS/DOORS 72" UP TO 96" R.O. 8'0" GARAGE DOORS W/CEILING & ROOF LOAD 9'0" GARAGE DOORS W/CEILING & ROOF LOAD 8'0" GARAGE DOORS W/SECOND FLOOR 9'0" GARAGE DOORS W/SECOND FLOOR 16'0" GARAGE DOOR W/NO SECOND FLOOR 16'0" GARAGE DOORS W/SECOND FLOOR

(2) #2 D-FIR 2X10'S (2) #2 D-FIR 2X10'S W/1/2" GLUE PLY (2) 14" L.V.L.

USE HEADERS FOR OPENINGS ABOVE UNLESS SPECIFIED OTHERWISE.



(2) 9 1/2" L.V.L. (2) 9 1/2" L.V.L. (2) 9 1/2" L.V.L. (2) 9 1/2" L.V.L. (2) 11 7/8" L.V.L. (2) 11 7/8" L.V.L.

- 2. ALL WINDOWS TO BE LOW-E GLASS TO MEET ALL LOCAL
- WINDOWS SHALL COMPLY WITH THE FOLLOWING:
 - 5.7 SQ.FT.
- C. MINIMUM OPENING WIDTH 20 INCHES
- IRC SECTION R308.4: GLAZING IN HAZARDOUS LOCATIONS SHALL
- GLASS IN STORM DOORS, INDIVIDUAL FIXED OR OPERABLE PANELS ADJACENT TO A DOOR WHERE THE NEAREST VERTICAL
- EDGE IS WITHIN A 24" ARC OF THE DOOR IN A CLOSED POSITION AND WHOSE BOTTOM EDGE IS WITHIN 60" OF THE FLOOR, WALLS ENCLOSING STAIRWAYS AND LANDINGS WHERE THE GLAZING IS WITHIN 60" OF THE TOP OR BOTTOM OF STAIR, ENCLOSURES FOR
- TUBS, SHOWERS AND WHIRLPOOLS, GLAZING IN FIXED OR OPERABLE PANELS EXCEEDING O SF AND WHOSE BOTTOM EDGE IS LESS THAN 18" ABOVE THE FLOOR OR WALKING SURFACE
- 6. ALL OPERABLE WINDOWS SHALL HAVE FALL PROTECTION PER
- 7. ALL GLAZING IN WINDOWS AND DOORS SHALL COMPLY WITH THE TEST CRITERIA FOR CATEGORY II IN ACCORDANCE WITH CPSC
- \mathcal{B} . WINDOW MANUFACTURER TO CONFIRM EXACT SAFTEY AND EGRESS WINDOW LOCATIONS PER LOCAL CODES.

GENERAL PLAN REQUIREMENTS

- 10. GARAGE DOOR H-FRAME: THE H-FRAME FOR ATTACHMENT OF THE GARAGE DOOR TRACK AND COUNTER BALANCE
- CELING ATTACHED WITH 3 1/4"x.120 NAILS @ 7" STAGGERED WITH (7) 3 1/4x.120 NAILS THRU JAMB INTO HEADER, MINIMUM 2x8 HEADER FOR ATTACHMENT OF COUNTER BALANCE SYSTEM. II. OVERHEAD GARAGE DOORS TO MEET 90 MPH WIND LOAD RESISTANCE REQUIREMENTS OF DASMA 108-5 AND ASTM E
- 12. MAXIMUM RISER HEIGHT OF STAIRWAYS SHALL NOT EXCEED 7 3/4" MAXIMUM RISER HEIGHT OF STAIRWAYS SHALL NOT EXCEED 7 3/4" AND THE TREADS SHALL PROVIDE A MINIMUM
- 13. ALL EXTERIOR AND LOAD BEARING WINDOW AND DOOR HEADERS TO BE (2) 2x10 D.FIR #2 UNLESS NOTED
- 14. ALL HEADER BEARINGS (OTHER THAN WINDOWS) TO BE (2) 2×4 STUDS UNLESS NOTED OTHERWISE.
- WINDOW HEADER BEARING TO BE (1) 2x4 EA END UNLESS

GENERAL FOUNDATION REQUIRMENTS

- I. ALL FOOTINGS ARE TO BE EXTENDED TO MIN 36" BELOW
- FINISHED GRADE.
- 2. ALL INTERIOR FOOTINGS FOR LOAD BEARING WALLS AND COLUMNS SHALL BE ISOLATED FROM THE BASEMENT FLOOR SLAB.
- 3. FOR ALL CONC WALL OPENINGS, FOOTING & WALL STEPS,
- PROVIDE ONE #4 BAR, 48" LONG DIAGONALLY AS CLOSE AS PRACTICAL TO CORNER.
- 4. ALL REINFORCEMENT SHALL BE LAPPED A MIN OF 24" AT ENDS SPLICES AND AROUND CORNERS.
- 5. ANCHOR BOLTS ARE TO BE SPACED @ 36" WITH 7" MIN EMBED. A BOLT SHALL BE PLACED WITHIN 12" OF THE END OF EACH
- PLATE SECTION. 6. FASTEN JOISTS TO SILL PLATES WITH (3) 8d COM NAILS. 7. WHERE JOIST IS PARALLEL TO FOUNDATION, PROVIDE SOLID
- BLOCKING @ 32" o FOR (3) JST SPACES. FASTEN TO SILL PLATE PER NOTE 6. 8. VAPOR BARRIER: 6 MIL PE VAPOR RETARDER WITH JOINTS
- LAPPED A MIN OF 6" BETWEEN SLAB & BASE.
- 9. DAMP PROOFING: ONE COAT (MIN) OF DAMP PROOFING OR EQUIVALENT FOUNDATION MEMBRANE SHALL BE APPLIED TO EXTERIOR WALL SURFACES BELOW GRADE. SEAL TIE HOLES, VOIDS BEFORE APPLICATION.
- 10. FOUNDATION DRAIN: INSTALL CONT 4"- PERFORATED PVC DRAIN TILE. DRAIN TILE TO BE EXTENDED TO SQUARE SUMP PIT WHICH EXTENDS A MIN 24" BELOW BASEMENT FLOOR.
- II. ALL FRAMING MEMBERS IN CONTACT WITH CONCRETE SHALL BE ACQ TREATED LUMBER.
- 12. ALL STEEL FASTENERS (INCLUDING FOUND. ANCHOR BOLTS) ON ACQ TO BE (DOUBLE HOT-DIPPED) GALVANIZED.
- 13. PROVIDE A "UFER" GROUND PER IRC 3608.1 PROVIDE A "UFER" GROUND PER IRC 3608.1 14. EGRESS WELL REQUIREMENTS: A. IF THE VERTICAL DISTANCE FROM THE WINDOW SILL TO
- ADJACENT GRADE IS GREATER THAN 44", PROVIDE A LADDER.
- B. ADD DRAIN TO DAYLIGHT OR SUMP PUMP.

ENERGY REQUIRMENTS

CONTRACTOR TO PROVIDE ENERGY AUDIT USING THE HERS ENERGY RATING SYSTEM. IN LIEU OF AN ENERGY AUDIT, THE FOLLOWING PRESCRIPTIVE REQUIREMENTS MAY BE FOLLOWED:

A. ALL DUCTS, AIR HANDLERS, FILTER BOXES, AND BUILDING ALL DUCTS, AIR HANDLERS, FILTER BOXES, AND BUILDING CAVITIES TO BE SEALED PER IRC SECTION NII03.2. B. THE BUILDING THERMAL ENVELOPE IS REQUIRED TO BE SEALED THE BUILDING THERMAL ENVELOPE IS REQUIRED TO BE SEALED PER IRC SECTION NII02.4. C. CONTRACTOR TO SUBMIT "MANUAL J" AND "MANUAL D" CALCULATIONS FOR THE HVAC SYSTEM D. INSULATION TO COMPLY WITH IECC AS FOLLOWS:

INSULATION TO COMPLY WITH IECC AS FOLLOWS:

WALLS	
CEILING (FLAT)	
CEILING (VAULTED)	

FLOORS OVER

CRAWL SPACE WALLS

BASEMENT WALLS

U-FACTOR

U-FACTOR

SHGC

SHGC

SKYLIGHTS

SLABS

DUCTWORK

WINDOWS

R-13 R-40 R-39 (NOTE: VAULTED AREA NOT ТО 5005g ft OR 20% OF ROOF AREA, WHICHEVER IS LESS)

UNCONDITIONED SPACE R-19 R-13 (or R-10 CONTINUOUS) R-13 (or R-10 CONTINUOUS) N/R R-8

> U 0.35 (MAX) 0.40 (MAX)

> > U 0.55 (MAX) 0.40 (MAX)

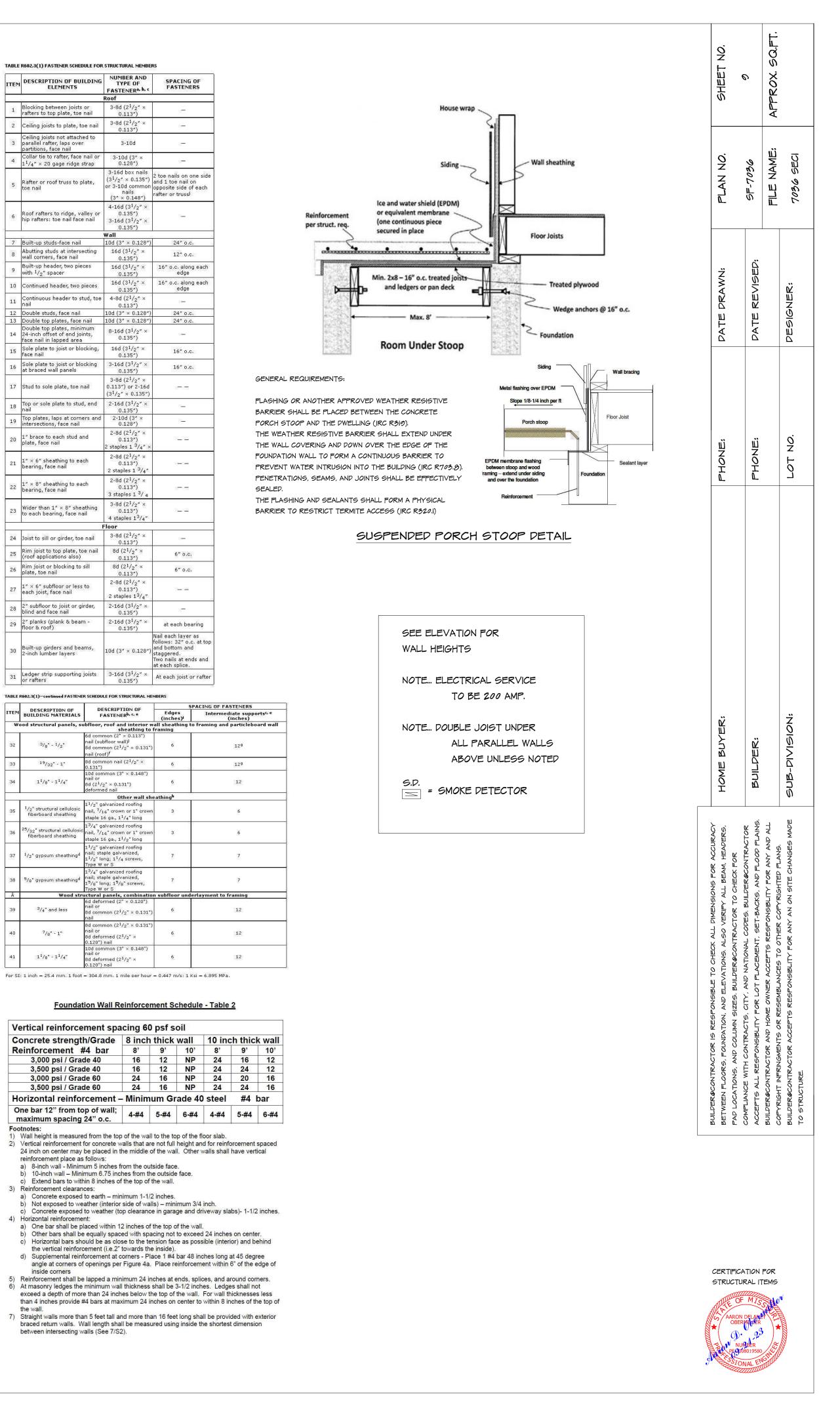
4 Decking between joints or arafters to be plate, too mail 3-0d (21/2 * x 0.1137)	ITEM	DESCRIPTION OF BUI ELEMENTS		NUMBER AND TYPE OF FASTENER ^{a, b, c} Roof	SPACIN FASTE
2 Ceiling joists to plate, toe nail $3-9d(2^{1}/2^{-x})$ $$ 3 Ceiling joists not attached to parallel rates (as possible), face nail $3-10d$ $$ 4 Ciller bits rates rates at the parallel rates (as possible), face nail $3-10d$ $$ 5 Rafter or roof truss to plate, is nail $3-10d$ $$ $$ 6 Roof rafters to ridge, valley or all (as (1)/2^{-x}) $$ $$ $$ 7 Builtup stude face nail $10d(3^{+} \times 0.128^{+})$ $$ $$ 9 Builtup stude face nail $10d(3^{+} \times 0.128^{+})$ $$ $$ 10 Continues the der, two picces $10d(3^{+} \times 0.128^{+})$ $$ $$ 10 Continues header, two picces $10d(3^{+} \times 0.128^{+})$ $$ $$ 10 Continues header to stud, teo $-4e(3^{+}/2^{+} \times 0.138^{+})$ $$ $$ 10 Continues header to stud, teo $-4e(3^{+}/2^{+} \times 0.138^{+})$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$	1	Blocking between joists of rafters to top plate, toe p			85
3 Celling joists not stacked to parallel reflex (pass ver- bar land) 3-10d 3-10d 4 1/4 * 20 age ridge strap to cen all 3-10d (3* × 0.128*) 3-10d consults 5 Roof rafters to ridge, valley or rafter or true to cen all 3-10d (3/2 * 0.128*) 3-10d consults 6 Roof rafters to ridge, valley or rafter or true to cen all 3-10d (3/2 * 0.128*) 3-10d (3/2 * 0.128*) 7 Built-up studis-face nall 10d (3* × 0.128*) -24* · 0.128*) 8 Abutting studies at intersecting radia corres, face nall 10d (3* × 0.128*) -24* · 0.128*) 9 Built-up badder, two pieces and 10d (3* × 0.128*) -24* · 0.128*) 10 Continuous header to stud, tee anall -0.135*) 0.135*) 10 Continuous header to stud, tee anall -0.135*) 0.135*) 11 Continuous header to stud, end anall -0.135*) 0.135*) 12 Double op plates, face nall 10d (3* 2.137*) 0.135*) 13 To a solo plate to plate to solo and anall 0.135*) 0.135*) 14 Sole plate to solo and anall 0.135*) </td <td>2</td> <td>Carriere sectors and analysis</td> <td>0.9</td> <td>3-8d (2¹/2" ×</td> <td>10-</td>	2	Carriere sectors and analysis	0.9	3-8d (2 ¹ /2" ×	10-
4 Collar tie to rafer, face nail or solid (3* × 1.35°) 5 Rafter or roof truss to plate, to nail (3/2 × 0.135°) 2 to enails or and 1 to enail (3/2 × 0.135°) 6 Roof rafters to ridgo, valley or hip rafters: to be nail face nail 0.35°) 3.104 (3/2 × 0.135°) 7 Builtup studis - face nail 0.035°) 3.104 (3/2 × 0.135°) 3.104 (3/2 × 0.135°) 8 Abuting studis at intersection 0.035°) 107 (3/2 × 0.135°) 107 (3/2 × 0.135°) 9 Builtup studis at intersection 0.035°) 106 (3/2 × 0.126°) 247 (3/2 × 0.135°) 10 Continue dheader, two pieces 0.035°) 107 (3/2 × 0.126°) 247 (3/2 × 0.126°) 11 Continue dheader, two pieces 0.035°) 107 (3/2 × 0.126°) 247 (3/2 × 0.126°) 11 Continue dheader, two pieces 0.035°) 106 (3/2 × 0.126°) 247 (3/2 × 0.126°) 12 Double top plates, face nail 0.104 (3'× 0.126°) 247 (3/2 × 0.135°) 167 (3/2 × 0.135°) 12 Double top plates, face nail 0.104 (3'× 0.126°) 247 (3/2 × 0.135°) 167 (3/2 × 0.135°) 13 Double top plates, face nail 0.113°) 0 (3/2 × 0.135°) 167 (3/2 × 0.135°) 167 (3/2 × 0.135°) 14 Top or sole plate to stud, end 0.113°) 0 (3/2 × 0.135°) 167 (3/2 × 0.135°) <td>3</td> <td>parallel rafter, laps over</td> <td>d to</td> <td>in the second second</td> <td>15</td>	3	parallel rafter, laps over	d to	in the second	15
Rather or not bruss to plate, in all (3/2 * × 0.135*) (3/2 * × 0.144*) State and alls (3 * × 0.144*) Built-up studs-face nail 4-16d (3/2 * × 0.135*) - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -	4	Collar tie to rafter, face r			18
6 Roof raffers to ridge, valley or hip raffers: to enail face nail $4.164(3^1/a^{-x})$ $-$ 7 Built-up studs-face nail $104(3^{-x} \times 0.128^{-x})$ 24^{-x} 8 Abuting studs at intersecting value on rest, face nail $104(3^{-x} \times 0.128^{-x})$ 24^{-x} 9 Built-up badder, two pieces value 3.335^{-x} $66(3^{1}/a^{-x} \times 0.128^{-x})$ $16^{-x} \circ 0.138^{-x}$ 10 Continues header to stud, toe 4 440(2^{1}/a^{-x} \times 0.128^{-x}) 42^{-x} $16^{-x} \circ 0.128^{-x}$ 12 Double studs, face nail $104(3^{-x} \sim 0.128^{-x})$ 24^{-x} 12 Double top plates, face nail $104(3^{-1}/a^{-x} \times 0.128^{-x})$ $16^{-x} \circ 0.138^{-x}$ 13 Double top plates, face nail $104(3^{-1}/a^{-x} \times 0.138^{-x})$ $16^{-x} \circ 0.138^{-x}$ 14 Sole plate to joid tor blocking on $0.138^{-x} \circ 2.164(3^{1}/a^{-x} \times 0.138^{-x})$ $-$ 15 Sole plate to stud, and $0.138^{-x} \circ 2.164(3^{1}/a^{-x} \times 0.138^{-x})$ $-$ 16 The por sole plate to stud, and $0.138^{-x} \circ 2.164(3^{1}/a^{-x} \times 0.138^{-x})$ $-$ 17 Stat to sole plate, toe nail $0.113^{-x} \circ -$ 18 Top plates, laps at corrers and $0.2.164(3^{1}/a^{-x} \times 0.28^{-x})$ $-$ <td>5</td> <td></td> <td>ate,</td> <td>(3¹/2" × 0.135") or 3-10d common nails</td> <td>and 1 toe na opposite side</td>	5		ate,	(3 ¹ /2" × 0.135") or 3-10d common nails	and 1 toe na opposite side
2 Diskup studies from Pair Pair Pair Pair Pair Pair Pair Pair	6	Roof rafters to ridge, val hip rafters: toe nail face	ley or nail	4-16d (3 ¹ /2" × 0.135") 3-16d (3 ¹ /2" ×	
** **	7	Built-up studs-face nail		10d (3" × 0.128")	24*
9 with $1/2^{-r}$ spacer 0.135°) edd 10 Continuous header, two pieces 10.135°) edd 11 Continuous header, to stud, tee 4-8d (21/2^{-r}) edd 12 Double toug, face nail 10d (3^{-r} × 0.128°) 24-rin formation 13 Double top plates, face nail 10d (3^{-r} × 0.128°) 24-rin formation 14 Za-rino forset of end joints, end (31/2^{-r} × 0.135°) 16 ^{-r} 15 Sole plate to joint or blocking, on (31/2^{-r} × 0.135°) 16 ^{-r} 16 Sole plate to joint or blocking on (31/2^{-r} × 0.135°) 16 ^{-r} 17 Stud to sole plate, toe nail 0.135°) 16 ^{-r} 18 fop or sole plate to stud, end (21/2^{-r} × 0.135°) 19 Top plates, laps at corners, and (21/2^{-r} × 0.135°) 10 rin face nail 2-16d (21/2^{-r} × 0.133°) 21 1 ^{-r} × 6 ^{-r} sheathing to each 0.133°) 22 1 ^{-r} × 6 ^{-r} sheathing to each 0.133°) 23 Wider than 1 ⁺ × 8 ^{-r} sheathing 0.133° 24 plate, face nail 0.137° <td< td=""><td>8</td><td></td><td>cting</td><td></td><td>12" (</td></td<>	8		cting		12" (
10 Continuous header to stud, tee 0.135') edd 11 Continuous header to stud, tee 4-8d (21/2* ×	9		es	STAR 2018 STAR 2018 STAR 2018	
11 nail 0.137) 12 Double study, face nail 10d (3* × 0.128*) 24*ni 13 Double top plates, face nail 10d (3* × 0.128*) 24*ni 14 Double top plates, face nail 10d (3* × 0.128*) 24*ni 15 Sole plate to joist or blocking, 10d (3*, 0.128*) 16*ni 16 Sole plate to joist or blocking, 10d (3*, 0.128*) 16*ni 17 Stud to sole plate, toe nail 0.135*) 16*ni 18 Top or sole plate to stud, end 0.135*) 19 Top or sole plates, lass et corners and 2-10d (3*, * 20 1* frace to each stud and nail 0.135*) 21 ** 6* sheathing to each bearing, face nail 2-8d (2^1/2* × 22 1* * 8* sheathing to each bearing, face nail 3-8d (2^1/2* × 23 Wider than 1* × 8* sheathing to each joist to sill or girder, toe nail 3-8d (2^1/2* × 24 Joist to sill or girder, toe nail 0.113*) 24 Joist to sill or girder, toe nail 0.113*) <	10	Continued header, two pi	ieces	Contraction of the Contraction o	
13 Double top plates, face nail 10d (3" $\times 0.1287)$ 24". 14 24-inch offset of end joints, face nail 9-16d (31/2" \times	11		ud, toe		3)—
14 24-inch offset of end joints, face nail in lapped area 0.1357			nail		
15Sole plate to joist or blocking. 0.135"16d $(31/2^* \times 0.135")$ 16"16Sole plate to joist or blocking. 0.135"3-6d $(21/2^* \times 0.135")$ 16"17Stud to sole plate, toe nail nail0.135")18Top or sole plate to stud, end nail0.135")19Top plates, laps at corners, and nail0.135")201* brace to each stud and plate, face nail2-16d $(31/2^* \times 0.135")$ 211* s 6" sheathing to each bearing, face nail2-3d $(21/2^* \times 0.135")$ 23Wider than 1* × 8" sheathing to each bearing, face nail3-8d $(21/2^* \times 0.135")$ 24Joist to sill or girder, toe nail (roof applications also) plate, tace nail3-8d $(21/2^* \times 0.135")$ 24Joist to sill or girder, toe nail of the subfloor or less to each joist, face nail3-8d $(21/2^* \times 0.135")$ 25Rim joist or blocking to sill plate, toe nail8d $(21/2^* \times 0.135")$ 26Rim joist or blocking to sill plate, toe nail8d $(21/2^* \times 0.135")$ 27Joist to sill or girder, toe nail or safter, subfloor or less to each joist, face nail2-stale $(31/2^* \times 0.135")$ 28Z'' subfloor to joist or girder, floor & roof)2-16d $(31/2^* \times 0.135")$ 29Z' plate, folgen sill or safters2-16d $(31/2^* \times 0.135")$ 30Built-up girders and beams, 2-inch lumber layers10d $(3^* \times 0.126")$ Sill or on all at a cech jois 0.135")31	14	24-inch offset of end joir	num nts,	8-16d (3 ¹ /2" ×	50 <u>-</u>
16Sole plate to joist or blocking at braced wall panels3-6d $(3^1/2^- \times 0.135^-)$ 16" is 0.113") or 2-16d17Stud to sole plate, toe nail or posle plates, laps at corners and intersections, face nail3-6d $(2^1/2^- \times 0.135^-)$ ($3^1/2^- \times 0.135^-)$ 18Top polates, laps at corners and plate, face nail2-16d $(3^1/2^- \times 0.135^-)$ ($3^1/2^- \times 0.135^-)$ 201" brace to each stud and plate, face nail2-8d $(2^1/2^- \times 0.135^-)$ ($3^1/2^- \times 0.135^-)$ 211" \times 6" sheathing to each bearing, face nail2-8d $(2^1/2^- \times 0.135^-)$ ($3^1/2^- \times 0.135^-)$ 221" \times 6" sheathing to each bearing, face nail2-8d $(2^1/2^- \times 0.135^-)$ ($3^1/2^- \times 0.135^-)$ 23Wider than 1" \times 8" sheathing to each bearing, face nail3-8d $(2^1/2^- \times 0.135^-)$ ($3^1/2^- \times 0.113^-)$ 24Joist to sill or girder, toe nail (roof applications also)0.113^-) ($3^1/2^- \times 0.113^-)$ 25Rim joist or blocking to sill on tails to table and face nail $0^1/3^- \times 0.135^-)$ ($3^1/2^- \times 0.135^-)$ 262" subfloor to less to each joist, face nail2-16d $(3^1/2^- \times 0.135^-)$ ($3^1/2^- \times 0.135^-)$ 262" subfloor to less to floor & roof)2-16d $(3^1/2^- \times 0.135^-)$ ($3^1/2^- \times 0.135^-)$ 30Built-up girders and beams, 2-inch lumber layers10d $(3^+ \times 0.128^+)^-$ ($3^1/2^- \times 0.135^-)$ At each lay follows 327^-)31Ledger strip supporting joists or rafters $3^1/3^1/3^2/2^- \times 0.135^-)^-$ ad common	15	Sole plate to joist or bloc	sking,	16d (3 ¹ /2" ×	16″ י
at bracked wain patientsU.355')17Stud to sole plate, toe nail0.4042/2* × (31/2* × 0.135*)18Top or sole plate to stud, end intersections, face nail2-16d (31/2* × 0.135*)19Top plates, laps at corners and intersections, face nail2-16d (21/2* × 0.135*)201* brace to each stud and plate, face nail2-8d (21/2* × 0.135*)211* c * 6* sheathing to each bearing, face nail2-8d (21/2* × 0.113*)221* a * 6* sheathing to each bearing, face nail3-8d (21/2* × 0.113*)23Wider than 1* × 8* sheathing to each bearing, face nail3-8d (21/2* × 0.113*)24Joist to sill or girder, toe nail plate, face nail3-8d (21/2* × 0.113*)25Rim joist to top plate, toe nail plate, face nail3-8d (21/2* × 0.113*)26Rim joist to top plate, it or nail plate, face nail3-8d (21/2* × 0.113*)271* × 6* subfloor or less to each joist, face nail2.113*) 0.113*)282* subfloor to joist or girder, each joist, face nail2.16d (31/2* × 0.135*)292* planks (plank & beam - floor & roof)0.135*)30Built-up girders and beams, or rafters10d (3* × 0.128*) 10d (3* × 0.128*)31Ledger strip supporting joists or rafters0.135*)323/g* - 1/g*6d cormon c(2* × 0.131*) a di cormof * 0.135*)3319/2* - 1*/g*6d cormon c(2* × 0.131*) a di dormon nail (21/2* × 0.131*)3411/g* - 11/g*11/g* gavanized roofing nail (rafter	16	Sole plate to joist or bloc	king	3-16d (3 ¹ /2" ×	
$ \begin{vmatrix} (3^{1}/2^{-x} \times 0.135^{-}) \\ (3^{1}/2^{-x} \times 0.135^{-}) \\ (700 plates, laps at corners and plate, laps at corners and plate, lace nail plate, face nail 2-10d (3^{1}/2^{-x}) \\ (0.135^{-}) \\ (1^{x} brace to each stud and plate, face nail 2-10d (3^{x} \times 0.128^{-}) \\ (1^{x} \times 6^{x} sheathing to each bearing, face nail 2 staples 1^{3}/4^{-x} \\ (1^{x} \times 6^{x} sheathing to each bearing, face nail 2 staples 1^{3}/4^{-x} \\ (1^{x} \times 6^{x} sheathing to each bearing, face nail 3 staples 1^{3}/4^{-x} \\ (1^{x} \times 8^{x} sheathing to each bearing, face nail 3 staples 1^{3}/4^{-x} \\ (1^{x} \times 8^{x} sheathing to each bearing, face nail 3 - 0d (2^{1}/2^{-x} \times 0.113^{-x}) \\ (1^{x} \times 8^{x} sheathing to each bearing, face nail 3 - 0d (2^{1}/2^{-x} \times 0.113^{-x}) \\ (1^{x} \times 8^{x} sheathing to each bearing, face nail 3 - 0d (2^{1}/2^{-x} \times 0.113^{-x}) \\ (1^{x} \times 8^{x} sheathing to each bearing, face nail 3 - 0d (2^{1}/2^{-x} \times 0.113^{-x}) \\ (1^{x} \times 8^{x} sheathing to each bearing, face nail 3 - 0d (2^{1}/2^{-x} \times 0.113^{-x}) \\ (1^{x} \times 8^{x} sheathing to each bearing, face nail 3 - 0d (2^{1}/2^{-x} \times 0.113^{-x}) \\ (1^{x} \times 8^{x} sheathing to replate, to enail 3 - 0d (2^{1}/2^{-x} \times 0.113^{-x}) \\ (1^{x} \times 8^{x} sheathing to replate, to enail 3 - 0d (2^{1}/2^{-x} \times 0.113^{-x}) \\ (1^{x} \times 8^{x} sheathing to replate, to enail 3 - 0d (2^{1}/2^{-x} \times 0.113^{-x}) \\ (1^{x} \times 8^{x} sheathing to replate, to enail 3 - 0d (2^{1}/2^{-x} \times 0.113^{-x}) \\ (1^{x} = sheathing tace nail 3 - 0d (2^{1}/2^{-x} \times 0.113^{-x}) \\ (1^{x} = sheathing tace nail 3 - 0d (2^{1}/2^{-x} \times 0.135^{-x}) \\ (1^{x} = sheathing tace nail 3 - 0d (2^{1}/2^{-x} \times 0.135^{-x}) \\ (1^{x} = sheathing tace nail 3 - 0d (2^{1}/2^{-x} \times 0.135^{-x}) \\ (1^{x} = sheathing tace nail 3 - 1d (3^{1}/2^{-x} \times 0.135^{-x}) \\ (1^{x} = sheathing tace nail 3 - 1d (3^{1}/2^{-x} \times 0.135^{-x}) \\ (1^{x} = sheathing tace nail 3 - 1d (3^{1}/2^{-x} \times 0.135^{-x}) \\ (1^{x} = sheathing tace nail 3 - 1d (3^{1}/2^{-x} \times 0.135^{-x}) \\ (1^{x} = sheathing tace nail 3 - 1d (3^{1}/2^{-x} \times 0.135^{-x}) \\ (1^{x} = $	2(22)		2000 V	3-8d (2 ¹ /2" ×	000000
10nail0.1357)-19Top plates, laps at corners and intersections, face nail2.10d (3* × 0.128*)-201* brace to each stud and plate, face nail2.8d ($2^{1}/2^{*}$ × 0.113*)-211* × 6* sheathing to each bearing, face nail2.8d ($2^{1}/2^{*}$ × 0.113*)-221* × 6* sheathing to each bearing, face nail2.8d ($2^{1}/2^{*}$ × 0.113*)-23Wider than 1* × 8* sheathing to each bearing, face nail3.8d ($2^{1}/2^{*}$ × 0.113*)-24Joist to sill or girder, toe nail plate, toe nail3.8d ($2^{1}/2^{*}$ × 0.113*)-25Rim joist to top plate, toe nail plate, toe nail0.113*)-26Rim joist or biokking to sill plate, toe nail0.113*)-271* × 6* subfloor or less to each joist, face nail2.1d ($3^{1}/2^{*}$ × 0.113*)-282* subfloor to joist or girder, floor & rooth2.1d ($3^{1}/2^{*}$ × 0.113*)-292* planks (plank & beam - floor & rooth2.1d ($3^{1}/2^{*}$ × 0.135*)-30Built-up girders and beams, 2-inch lumber layers10d (3^{*} × 0.132*)Nail each lay follows: 32* and bottom - staggerd. Two nails at at each splic31Ledger strip supporting joist or rafters3.16d ($3^{1}/2^{*}$ × 0.135*)At each jois at each splic31Ledger strip supporting joist or rafters3.16d ($3^{1}/2^{*}$ × 0.135*)At each jois ad at each splic di (2^{*} × 0.33*)32 $3^{*}g^{*} - 1$	17	Stud to sole plate, toe na	ail		8-2
19intersections, face nail0.128°)201" brace to each stud and plate, face nail2.6d $(2^{1}/2" \times 0.113")$ 2 staples 1 $^{3}/4" \times$ 211" x 6" sheathing to each bearing, face nail2.6d $(2^{1}/2" \times 0.113")$ 2 staples 1 $^{3}/4" \times$ 221" x 6" sheathing to each bearing, face nail2.6d $(2^{1}/2" \times 0.113")$ 3 staples 1 $^{3}/4" \times$ 23Wider than 1" x 8" sheathing to each bearing, face nail3-8d $(2^{1}/2" \times 0.113")$ 3 staples 1 $^{3}/4" \times$ 24Joist to sill or girder, toe nail plate, toe nail3-8d $(2^{1}/2" \times 0.113")$ 0.113")25Rim joist to top plate, toe nail plate, toe nail3-8d $(2^{1}/2" \times 0.113")$ 0.113")6" o 0.113")26Rim joist or blocking to sill plate, toe nail0.113")6" o 0.113")271" x 6" subfloor or less to each joist, face nail2.16d $(3^{1}/2" \times 0.13")$ 0.113") 2 staples 1 $^{3}/4"$ 282" subfloor to joist or girder, 2inch lumber layers.2.16d $(3^{1}/2" \times 0.13")$ or raftersat each joist o 0.135")30Built-up girders and beams, 2inch lumber layers.10d $(3" \times 0.128")$ Nail each layerd. wor nais at each spice31Ledger strip supporting joist or rafters3.16d $(3^{1}/2" \times 0.131")$ ead structural panels, subfloor, roof and interior wall sheathing sheathing to framely.32 $3/g" - 1/2"8d common nail (2^{1}/2" \times 0.131")ead common (2^{1} \times 0.132")3319/2g" - 11/4"8d common nail (2^{1}/2" \times 0.131")ead common (2^{1}/2" \times 0.131")ead common (2^{1}/2" \times 0.$	18		, end		13
20 1^{2} brace to each stud and plate, face nail0.113°) 2 staples 1 $3/4^{*}$ x21 $1^{*} \times 6^{*}$ sheathing to each bearing, face nail $2 \cdot 3d(2^{1}/2^{*} \times 0.13^{*})$ 2 staples 1 $3/4^{*}$ 22 $1^{*} \times 6^{*}$ sheathing to each bearing, face nail $2 \cdot 3d(2^{1}/2^{*} \times 0.13^{*})$ 3 $3taples 1 3/4^{*}$ 23Wider than $1^{*} \times 8^{*}$ sheathing to each bearing, face nail $3 \cdot 3d(2^{1}/2^{*} \times 0.13^{*})$ -1 24Joist to sill or girder, toe nail (roof applications also) $3 \cdot 3d(2^{1}/2^{*} \times 0.13^{*})$ -1 25Rim joist to top plate, toe nail plate, toe nail $3 \cdot 3d(2^{1}/2^{*} \times 0.13^{*})$ -1 26Rim joist or blocking to sill plate, toe nail $3 \cdot 3d(2^{1}/2^{*} \times 0.13^{*})$ -1 27 $1^{*} \times 6^{*}$ subfiloor to jist or girder, plate, toe nail $2 \cdot 1d(3^{1}/2^{*} \times 0.13^{*})$ -1 28 2^{*} subfiloor to joist or girder, plate, toe nail $2 \cdot 1d(3^{1}/2^{*} \times 0.13^{*})$ -1 29 2^{*} planks (plank & beam - floor & roof) $2 \cdot 1d(3^{1}/2^{*} \times 0.13^{*})$ -1 30Built-up girders and beams, $2 \cdot inch lumber layers3 \cdot 1d(3^{*}/2^{*} \times 0.13^{*})-131Ledger strip supporting joist:0 \cdot 13^{*}3 \cdot 1d(3^{*}/2^{*} \times 0.13^{*})-1323/g^{*} - 1/g^{*}d cormon (2^{*} \times 0.13^{*})-1331^{*}/g^{*} - 1^{*}/g^{*}d cormon (3^{*} \times 0.14^{*})-1341^{*}/g^{*} - 1^{*}/g^{*}d dormon nail (2^{1}/g^{*} \times 0.13^{*})-1331^{*}/g^{*} - 1^{*}/g^{*}d dormon nail (2^{1}/g^{*} \times $	19		rs and	0.128")	15
2 Staples 1 "/4" ×21 $1^{m} \times 6^{m}$ sheathing to each bearing, face nail2-8d (21/2" × 0.113") 2 staples 1 3/4"22 $1^{m} \times 8^{m}$ sheathing to each bearing, face nail2-8d (21/2" × 0.113") 3 staples 1 3/423wider than 1" × 8" sheathing to each bearing, face nail3-8d (21/2" × 0.113") 4 staples 1 3/4"24Joist to sill or girder, toe nail (roof applications also)0.113") 0.113")25Rim joist to top plate, toe nail plate, toe nail0.113")26Rim joist or blocking to sill plate, toe nail0.113")271" × 6" subfloor or less to each joist, face nail0.113")282" subfloor to joist or girder, to ach soft2-16d (31/2" × 0.113")292" planks (plank & beam - floor & roof)2-16d (31/2" × 0.113")30built-up girders and beams, 2-inch lumber layers10d (3" × 0.128")31Ledger strip supporting joists3-16d (31/2" × 0.135")At each joist 0.135")31Ledger strip supporting joists3-16d (31/2" × 0.135")4t each joist 0.135")323/s" - 1/2"6d common (2" × 0.131") nail (subfloor, roof and interior well sheathing to do arroid as to at each alogs3319/32" - 1" 9/3" ali subfloor (2" × 0.131")63411/a" - 11/4"10/2" galvanized roofing nail (subfloor, roof and interior well sheathing to do arroid (2" × 0.131")3411/a" - 11/4"10/2" galvanized roofing nail, 71/4" crown or 1" crown staple16 galvanized, 7 7 7/y" wors;35	20		d	0.113")	21_2
21bearing, face nail0.113 / 2 staples 1 $\frac{3}{4}$ 22 $1^{x} \times 8^{x}$ sheathing to each bearing, face nail $2 \cdot 8d (2^{1}/2^{x} \times 3, 3 \cdot 13^{2})$ $3 \cdot 3 \cdot 13^{2}$ 4 23Wider than 1" × 8" sheathing to each bearing, face nail $3 \cdot 8d (2^{1}/2^{x} \times 3, 13^{2})$ $0 \cdot 113^{2}$ 4 24Joist to sill or girder, toe nail plate, toe nail $3 \cdot 8d (2^{1}/2^{x} \times 3, 13^{2})$ $0 \cdot 113^{2}$ 4 25Rim joist to top plate, toe nail plate, toe nail plate, toe nail $3 \cdot 8d (2^{1}/2^{x} \times 3, 13^{2})$ $0 \cdot 113^{2}$ $6^{x} \circ 0$ $0 \cdot 113^{2}$ 26Rim joist or blocking to sill plate, toe nail $8d (2^{1}/2^{x} \times 3, 13^{2})$ $0 \cdot 113^{2}$ $6^{x} \circ 0$ $0 \cdot 113^{2}$ 27 $1^{x} \times 6^{x}$ subfloor or less to each joist, face nail $2 \cdot 8d (2^{1}/2^{x} \times 3, 13^{2})$ $0 \cdot 113^{2}$ 4 $2 \cdot 12d (3^{1}/2^{x} \times 3, 13^{2})$ 1 28 2^{x} subfloor to joist or girder, floor & roof) $2 \cdot 16d (3^{1}/2^{x} \times 3, 12^{2})$ $0 \cdot 13^{2}$ $-12 \cdot 13^{2} $					
22 $\frac{1^{2} \times 8^{2}$ sheathing to each bearing, face nail0.113^{2}}{3 staples $1^{3}/4$ 23wider than 1" × 8" sheathing to each bearing, face nail $3 \cdot 8d (2^{1}/2^{*} \times 0.113^{*})$ 24Joist to sill or girder, toe nail $3 \cdot 8d (2^{1}/2^{*} \times 0.113^{*})$ 25Rim joist to top plate, toe nail $8d (2^{1}/2^{*} \times 0.113^{*})$ 6" o26Rim joist or blocking to sill $8d (2^{1}/2^{*} \times 0.113^{*})$ 6" o27 $1^{2*} \times 6^{*}$ subfloor or less to each joist, face nail $2 \cdot 8d (2^{1}/2^{*} \times 0.113^{*})$ 28 2^{*} subfloor to joist or girder, each joist, face nail $2 \cdot 16d (3^{1}/2^{*} \times 0.113^{*})$ 29 2^{*} planks (plank & beam - or rafters $2 \cdot 16d (3^{1}/2^{*} \times 0.113^{*})$ 30Built-up girders and beams, 2 -inch lumber layers $10d (3^{*} \times 0.128^{**})$ Nail each lay ind bottom - staggered. $10 \times 0.128^{**})$ 31Ledger strip supporting joists or rafters $3 \cdot 16d (3^{1}/2^{*} \times 0.138^{**})$ A te each jois $10 \times 0.138^{**})$ 32 $3/8^{*} - 1/2^{**}$ $8d$ common $(2^{*} \times 0.131^{**})$ nail (core)f $4 \times 0.138^{**}$ 33 $1^{9}/3^{2^{*}} - 1^{*}$ $8d$ common $(2^{*}/2^{*} \times 0.131^{**})$ nail (core)f 6 34 $1^{1}/6^{*} - 1^{1}/2^{**}$ $8d$ common $(3^{*} \times 0.148^{**})$ nail (core)f 6 33 $1^{9}/3^{2^{*}} - 1^{*}$ $8d$ common $(3^{*} \times 0.131^{**})$ nail (core)f 6 34 $1^{1}/6^{*} - 1^{1}/2^{**}$ $8d$ common $(3^{*} \times 0.131^{**})$ nail (core)f 6 <td>21</td> <td>1" × 6" sheathing to eac bearing, face nail</td> <td>h</td> <td>0.113") 2 staples 1 ³/4"</td> <td>50—35</td>	21	1" × 6" sheathing to eac bearing, face nail	h	0.113") 2 staples 1 ³ /4"	50—35
peering, race name3 staples $1^3/4$ 23Wider than $1^{*} \times 8^{*}$ sheathing to each bearing, face name3-8d ($2^{1}/2^{*} \times 0.113^{*}$) 4 staples $1^3/4$ 24Joist to sill or girder, toe name 0.113^{*})25Rim joist to top plate, toe name $8d (2^{1}/2^{*} \times 0.0113^{*})$ 26Rim joist or blocking to sill $8d (2^{1}/2^{*} \times 0.0113^{*})$ 27 $1^{*} \times 6^{*}$ subfloor or less to each joist, face name $2-8d (2^{1}/2^{*} \times 0.0113^{*})$ 28 2^{*} subfloor to joist or girder, each joist, face name $2-16d (3^{1}/2^{*} \times 0.013^{*})$ 29 2^{*} planks (plank & beam - floor & roof) $2-16d (3^{1}/2^{*} \times 0.013^{*})$ 30Built-up girders and beams, 2-inch lumber layers $10d (3^{*} \times 0.128^{*})$ 31Ledger strip supporting joists $3-16d (3^{1}/2^{*} \times 0.013^{*})$ 31Ledger strip supporting joists 	22		h	2-8d (2 ¹ /2" ×	19
23Wider than $1^* \times 8^*$ sheating to each bearing, face nail0.113^*) 4 staples $1^3/4^*$ Floor24Joist to sill or girder, toe nail0.113^*)24Joist to sill or girder, toe nail $3^-8d (2^1/2^* \times 0.113^*)$ 25Rim joist to top plate, toe nail $8d (2^1/2^* \times 0.113^*)$ 26Rim joist or blocking to sill $8d (2^1/2^* \times 0.113^*)$ 27 $a^* \circ subfloor or less toeach joist, face nail2^-8d (2^1/2^* \times 0.113^*)282^* subfloor to joist or girder,each joist, face nail2^-16d (3^1/2^* \times 0.135^*)292^* planks (plank & beam -floor & roof)2^-16d (3^1/2^* \times 0.135^*)30Built-up girders and beams,2-inch lumber layers10d (3^* \times 0.128^*)Nail each layfollows: 327*31Ledger strip supporting joistsor rafters3^-16d (3^1/2^* \times 0.138^*)At each joison rais atat each splic31Ledger strip supporting joistsor rafters3^-16d (3^1/2^* \times 0.138^*)At each joisdo common (2^* 0.138^*)323^2/8^* - 1/2^*8d common (2^* 0.138^*)6331^9/32^* - 1^*8d common (2^* 0.138^*)63411/2^* = 1^1/4^*11/2^* = 1^1/4^*635\frac{1}{2}^* (2^* s)^* (0.131^*)6362^9/32^* structural cellulosicnail (roof)f1^3/4^* (0.138^*)362^9/32^* = 1^*8d common (2^* 0.131^*)637\frac{1}{2}^* (2^* s)^* (0.131^$	-	bearing, face nail		3 staples 1 3/ 4	24 - 0
24Joist to sill or girder, toe nail3-8d $(2^{1}/2^{n} \times 0.113^{n})$ 25Rim joist to top plete, toe nail8d $(2^{1}/2^{n} \times 0.113^{n})$ 6* o26Rim joist or blocking to sill8d $(2^{1}/2^{n} \times 0.113^{n})$ 6* o271* x 6* subfloor or less to each joist, face nail2-8d $(2^{1}/2^{n} \times 0.113^{n})$ 2 staples $1^{2}/4^{n}$ 282* subfloor to joist or girder, blind and face nail2-16d $(3^{1}/2^{n} \times 0.135^{n})$ 292* planks (plank & beam - floor & roof)2-16d $(3^{1}/2^{n} \times 0.135^{n})$ Nail each lay follows: 32^{n} and bottom : 2^{-1nch} lumber layers10d $(3^{n} \times 0.128^{n})$ Nail each lay follows: 32^{n} and bottom : 3^{n} and bottom : 3^{n} and bottom : 3^{n} and bottom : 3^{n} raftersAt each splic30Built-up girders and beams, 2^{-1nch} lumber layers10d $(3^{n} \times 0.128^{n})$ At each splic31Ledger strip supporting joists 3^{n} rafters $3^{-16d}(3^{1}/2^{n} \times 0.138^{n})$ $0.135^{n})$ At each splic31Ledger strip supporting joists $1^{n} rafters$ 0.135^{n} At each splic32 $3^{n} - 1/2^{n}$ 8d common $(2^{n} \times 0.148^{n})$ nail (crubfor wall) 1^{n} and (crubfor wall sheathing to framing33 $1^{9}/3^{n} - 1/2^{n}$ 8d common $(3^{n} \times 0.148^{n})$ nail (crubfor wall) 1^{n} $1^{n} effection on (3^{n} \times 0.148^{n})nail (crubfor wall)1^{n}/2^{n} regularized roofingnail (crubfor wall sheathing341^{1}/8^{n} - 1^{1}/4^{n}1^{0}/8^{n} caven or 1^{n} crown and1^{1}/2^{n} regularized roofing<$	23	Wider than 1" × 8" shea to each bearing, face nai	i	0.113") 4 staples 1 ³ /4"	10_0
25Rim joist to top plete, toe nail (roof applications also)8d $(2^1/2^* \times 0.113^*)$ 6* o 0.113*)26Rim joist or blocking to sill plate, toe nail8d $(2^1/2^* \times 0.113^*)$ 6* o 0.113*)271* × 6* subfloor or less to each joist, face nail2-8d $(2^1/2^* \times 0.113^*)$ -282* subfloor to joist or girder, 	24	Joist to sill or girder, toe	25	3-8d (2 ¹ /2" ×	80 .
26Rim joist or blocking to sill plate, toe nail $8d (2^1/_2^m \times 0.113^m)$ 6^n o $0.113^m)$ 27 $1^n \times 6^n$ subfloor or less to each joist, face nail $2\cdot 6d (2^1/_2^m \times 0.113^m)$ $2 \operatorname{staples} 13/_4^n$ $-$ 28 2^n subfloor to joist or girder, blind and face nail $2\cdot 16d (3^1/_2^m \times 0.135^m)$ $-$ 29 2^n planks (plank & beam - floor & roof) $2\cdot 16d (3^1/_2^m \times 0.135^m)$ $-$ 30Built-up girders and beams, $2\cdot inch lumber layers$ $10d (3^n \times 0.128^n)$ Nail each lay follows: 32^m 31Ledger strip supporting joists $3\cdot 16d (3^1/_2^m \times 0.128^n)$ At each jois or rafters31Ledger strip supporting joists $3\cdot 16d (3^1/_2^m \times 0.138^m)$ At each jois or rafters32 $3/_8^n - 1/_2^n$ $3\cdot 16d (3^1/_2^m \times 0.138^m)$ 6 33 $1^9/_{32^m} - 1^n$ $8d$ common $(2^n \times 0.131^n)$ hail (subfloor wall) all (subfloor wall) 6 34 $1^1/_8^n - 1^1/_8^n$ $8d$ common $(3^m \times 0.148^n)$ hail or $13/_4^n$ (galvanized roofing nail, $7/_16^n$ crown or 1° crown 3 3 35 $1^1/_2^n$ structural cellulosic fiberboard sheathing $1^3/_4^n$ (galvanized roofing nail, $7/_16^n$ crown or 1° crown 3 3 36 $2^{5}/_{32^n}$ structural cellulosic fiberboard sheathing $1^3/_4^n$ (galvanized roofing nail, $7/_16^n$ crown or 1° crown 3 3 37 $1/_2^n$ gypsum sheathingd $1^3/_4^n$ (galvanized roofing nail, $7/$	25	Rim joist to top plate, too	einail	8d (2 ¹ /2" ×	6″ 0
Content of the construction of the co	26	Rim joist or blocking to s	ill	8d (21/2" ×	6″ 0
2 staples $1^2/4"$ 28 2^{s} subfloor to joist or girder, blind and face nail $2 \cdot 16d (3^{1}/2" \times 0.135")$ $-10135"$ 29 2^{r} planks (plank & beam - floor & roof) $2 \cdot 16d (3^{1}/2" \times 0.135")$ at each lay follows: $32"$ 30Built-up girders and beams, 2 -inch lumber layers $10d (3^{r} \times 0.126")$ Nail each lay follows: $32"$ 31Ledger strip supporting joists or rafters $3 \cdot 16d (3^{1}/2" \times 0.135")$ At each jois or raftersTABLE R602.3(1)-continued FASTENER SCHEDULE FOR STRUCTURAL MEMBERSTITEM BUILDING MATERIALSDESCRIPTION OF FASTENER ^{b. c.} Edges (inches) ¹ 32 $3/g" - 1/2"$ nail (subfloor vall) Bd common ($2^{1} \times 0.131"$) nail (roof) ¹ 633 $1^9/32" - 1"$ 0.4 common ($2^{1}/2" \times 0.131"$) nail (roof) ¹ 634 $1^{1}/6" - 1^{1}/4"$ 11/2" (advanized roofing nail, $7/16"$ crown or 1" crown staple 16 ga., $1^1/4"$ long35 $1/2"$ structural cellulosic fiberboard sheathing tiper galvanized roofing nail, $7/16"$ crown or 1" crown staple 16 ga., $1^1/2"$ long336 $2^5/gs"$ structural cellulosic fiberboard sheathing $1^3/2"$ (galvanized roofing nail, $7/16"$ crown or 1" crown staple 16 ga., $1^1/2"$ long137 $1/2"$ gypsum sheathingd $1^3/2"$ (galvanized roofing nail, $7/16"$ crown or 1" crown staple 16 ga., $1^1/2"$ long138 $5/6"$ gypsum sheathingd $1^3/2"$ (galvanized roofing nail, $7/16"$ crown or 1" crown staple 16 ga., $1^1/2"$ long139	27	1″ × 6″ subfloor or less t	to	2-8d (2 ¹ /2" × 0.113")	8-0
Diffic and race hall 0.135°)29 2° planks (plank & beam - floor & roof) $2-16d (3^{1}/2^{\circ} \times \ 0.135^{\circ})$ at each lay follows: 32° 30Built-up girders and beams, 2-inch lumber layers: $10d (3^{\circ} \times 0.128^{\circ})$ Nail each lay 	28	2″ subfloor to joist or gir	der,	2-16d (3 ¹ /2" ×	
Theor & root) 0.135° Nail each lay follows: 32" and bottom . staggered. Two nails at at each splic 0.135° 30Built-up girders and beams, 2-inch lumber layers $10d (3^{\circ} \times 0.128^{\circ})$ Nail each lay follows: 32" and bottom . staggered. 0.135° 31Ledger strip supporting joists or rafters $3-16d (3^{1}/2" \times 0.135")$ At each jois7ABLE R602.3(1)-continued FASTENER SCHEDULE FOR STRUCTURAL MEMBERSTTEMDESCRIPTION OF BUILDING MATERIALSDESCRIPTION OF FASTENER ^{5, c, e} Edges (inches)'32 $3/_8" - 1/_2"$ $6d$ common $(2" \times 0.131")$ nail (subfloor wall) Bd common $(2^{1}/2" \times 0.131")$ 633 $1^9/_{32"} - 1"$ $0.132")$ $6d$ common $(2^{1}/2" \times 0.131")$ all or $8d$ common $(3" \times 0.148")$ nail or $8d (2^{1}/2" \times 0.131")$ 634 $1^1/8" - 1^{1/4"}$ $11/2"$ galvanized roofing nail, $7/_1e"$ crown or 1" crown staple 16 ga, $1^1/4"$ long335 $1^1/2"$ structural cellulosic fiberboard sheathing fiberboard sheathing $1^3/4"$ galvanized roofing nail, $7/_1e"$ crown or 1" crown staple 16 ga, $1^1/4"$ long36 $2^{5}/_{32}"$ structural cellulosic fiberboard sheathing $1^3/4"$ galvanized roofing nail, $7/_1e"$ rown or 1" crown staple 16 ga, $1^1/4"$ long37 $1^1/2"$ gypsum sheathingd $1^3/4"$ galvanized roofing nail, staple galvanized, $1^1/2"$ long; $1^1/4$ screws, Type W or S38 $5^1/6"$ gypsum sheathingd $1^3/4"$ galvanized roofing nail, staple galvanized, $1^1/2"$ long; $1^1/4$ screws, Type W or S39 $3^1/4"$ and less 6	12:52	2″ planks (plank & beam	(-		at each l
31Ledger strip supporting joists or rafters $3-16d (3^{1}/_{2}^{n} \times 0.135^{n})$ At each joisTABLE R62.3(1)—continued FASTENER SCHEDULE FOR STRUCTURAL MEMBERSITTENDESCRIPTION OF FASTENER ^{b, c, e} Edges (inches) ⁱ Wood structural panels, subfloor, roof and interior wall sheathin sheathing to framing32 $3/8^n - 1/2^n$ $6d$ common $(2^n \times 0.113^n)$ nail (subfloor wall) ^j 8d common $(2^1/2^n \times 0.131^n)$ nail (roof) ^f 633 $1^9/_{32^n} - 1^n$ $8d$ common $(3^n \times 0.148^n)$ nail or 8d $(2^1/2^n \times 0.131^n)$ 10d common $(3^n \times 0.148^n)$ nail or 8d $(2^1/2^n \times 0.131^n)$ deformed nail6Other wall sheathing fiberboard sheathing fiberboard sheathing fiberboard sheathing36 $2^{5}/_{32^n}$ structural cellulosic fiberboard sheathing $1^1/2^n$ galvanized roofing nail, $7/16^n$ crown or 1 ⁿ crown staple 16 ga., $1^1/4^n$ long37 $1/2^n$ gypsum sheathingd $1^3/4^n$ galvanized roofing nail, staple galvanized, $1^3/4^n$ galvanized roofing nail, staple galvanized, $1^3/4^n$ galvanized roofing nail, staple galvanized, $1^3/4^n$ galvanized roofing nail, staple galvanized, $1^3/4^n$ galvanized roofing nail or S738 $\overline{5}/8^n$ gypsum sheathingd $6d$ deformed $(2^n \times 0.131^n)$ nail or $8d$ common $(2^1/2^n \times 0.131^n)$ nail or $8d$		Built-up girders and bear	ms,	an a	Nail each lay follows: 32" and bottom . staggered. Two nails at
ITENDESCRIPTION OF BUILDING MATERIALSDESCRIPTION OF FASTENR®.c.eEdges (inches)?Wood structural panels, subfloor, roof and interior wall sheathing sheathing to framing32 $3/g^* - 1/2^*$ $6d$ common $(2^* \times 0.113^*)$ nail (subfloor wall)? 8d common $(2^1/2^* \times 0.131^*)$ nail (orof) f33 $1^9/32^* - 1^*$ $6d$ common nail $(2^1/2^* \times 0.131^*)$ nail or 8d common nail $(2^1/2^* \times 0.131^*)$ for the sheathing fiberboard sheathing34 $1^1/g^* - 1^1/4^*$ $10d$ common $(3^* \times 0.148^*)$ nail or 	31		oists		
HEMBUILDING MATERIALSFASTENERb. c. eEdges (inches)Wood structural panels, subfloor, roof and interior wall sheathin sheathing to framing32 $3/8" - 1/2"$ 6d common $(2" \times 0.113")$ nail (subfloor wall) 8d common $(21/2" \times 0.131")$ nail (roof)f33 $1^9/32" - 1"$ 8d common nail $(2^1/2" \times 0.131")$ nail or 8d ($2^1/2" \times 0.131"$)34 $1^1/6" - 1^1/4"$ 8d common $(3" \times 0.148")$ nail or 8d $(2^1/2" \times 0.131")$ 35 $1/2"$ structural cellulosic fiberboard sheathing fiberboard sheathing fiberboard sheathing $1^1/2"$ galvanized roofing nail, $7/16"$ crown or 1" crown staple 16 ga., $1^1/4"$ long36 $2^{5}/_{32}"$ structural cellulosic fiberboard sheathing $1^{3}/4"$ galvanized roofing nail, $7/16"$ crown or 1" crown staple 16 ga., $1^1/2"$ long37 $1/2"$ gypsum sheathingd $1^1/2"$ galvanized roofing nail; staple galvanized, $1^3/4"$ galvanized roofing nail; staple galvanized, $1^3/4"$ staple vorige738 $5^1/8"$ gypsum sheathingd $1^{3}/4"$ galvanized roofing nail; staple galvanized, $1^3/4"$ staple $3^1/4"$ staple $3^1/4" = 1^1/4"$ 6d deformed $(2^1/2" \times 0.131")$ nail or 8d deformed $(2^1/2" \times 0.131")$ nail or 8d deformed $(2^1/2" \times 0.131")$ 40 $7/8" - 1"$ 8d common $(3" \times 0.148")$ nail or 8d deformed $(2^1/2" \times 0.131")$ nail or 8d deformed $(2^1/2" \times 0.131")$ nail or<	TABLE I	R602.3(1)—continued FASTENER	SCHEDU	LE FOR STRUCTURAL ME	MBERS
32 $3/8" - 1/2"$ $6d \text{ common } (2" \times 0.113") \\ nail (subfloor wall)) \\ add common (2^{1}/2" \times 0.131") 6 33 1^9/32" - 1" 8d \text{ common nail } (2^1/2" \times 0.131") \\ nail (roof)^f 6 34 1^{1}/8" - 1^{1}/4" 8d \text{ common nail } (2^1/2" \times 0.131") \\ deformen nail (2^1/2" \times 0.131") \\ nail or \\ 8d (2^1/2" \times 0.131") \\ deformed nail 6 35 1^1/8" - 1^{1}/4" 8d \text{ common } (3" \times 0.148") \\ nail or \\ 8d (2^1/2" \times 0.131") \\ deformed nail 6 36 1^1/2" structural cellulosic fiberboard sheathing fiberboard sheathing fiberboard sheathing fiberboard sheathing nail, 7/16" crown or 1" crown 3 staple 16 ga., 1^1/2" long 11^1/2" galvanized roofing nail, 7/16" crown or 1" crown 3 staple 16 ga., 1^1/2" long 11^1/2" galvanized roofing nail, staple galvanized, 1^1/2" long 11^1/2" galvanized roofing nail; staple galvanized, 1^1/2" long; 1^3/4" galvanized roofing nail; staple galvanized, 1^5/8" long; 1^5/8" screws, 7 Type W or S 1^3/4" advanized roofing nail; staple galvanized roofing nail; staple galvanized roofing nail; staple galvanized, 1^5/8" long; 1^5/8" screws, 7 Type W or S 1^3/4" advanized roofing nail; staple galvanized, 1^5/8" long; 1^5/8" screws, 7 Type W or S 6d \text{ deformed } (2" \times 0.131") \\ nail or \\ 8d \text{ common } (2^1/2" \times 0.131") \\ nail or \\ 8d \text{ common } (2^1/2" \times 0.131") \\ nail or \\ 8d \text{ deformed } (2^1/2" \times 0.131") \\ nail or \\ 8d \text{ deformed } (2^1/2" \times 0.131") \\ nail or \\ 8d \text{ deformed } (2^1/2" \times 0.131") \\ nail or \\ 8d \text{ deformed } (2^1/2" \times 0.131") \\ nail or \\ 8d \text{ deformed } (2^1/2" \times 0.131") \\ nail or \\ 8d \text{ deformed } (2^1/2" \times 0.131") \\ nail or \\ 8d defo$		BUILDING MATERIALS	F	ASTENER ^{b, c, e} roof and interior v	(inches) ⁱ vall sheathin
33 $1^{9}/_{32}^{*} - 1^{*}$ 8d common nail $(2^{1}/_{2}^{*} \times 0.131^{*})$ 6 34 $1^{1}/_{6}^{*} - 1^{1}/_{4}^{*}$ 10d common $(3^{*} \times 0.148^{*})$ nail or 8d $(2^{1}/_{2}^{*} \times 0.131^{*})$ 6 35 $1^{1}/_{6}^{*} - 1^{1}/_{4}^{*}$ $d^{1}/_{2}^{*}$ galvanized roofing nail, $7/_{16}^{*}$ crown or 1° crown staple 16 ga., $1^{1}/_{4}^{*}$ long 3 36 $2^{5}/_{32}^{*}$ structural cellulosic fiberboard sheathing fiberboard sheathing $1^{3}/_{4}^{*}$ galvanized roofing nail, $7/_{16}^{*}$ crown or 1° crown staple 16 ga., $1^{1}/_{2}^{*}$ long 3 37 $1/_{2}^{*}$ gypsum sheathingd $1^{3}/_{4}^{*}$ galvanized roofing nail; staple galvanized, $1^{3}/_{4}^{*}$ galvanized roofing nail; staple galvanized, $1^{3}/_{4}^{*}$ iong; $1^{3}/_{4}^{*}$ screws, Type W or S 7 38 $5/_{8}^{*}$ gypsum sheathingd $1^{3}/_{4}^{*}$ galvanized roofing nail; staple galvanized, $1^{5}/_{6}^{*}$ long; $1^{5}/_{6}^{*}$ screws, Type W or S 7 4 0 $7/_{8}^{*} - 1^{*}$ 6 6 deformed $(2^{*} \times 0.120^{*})$ nail or 8 d common $(2^{1}/_{2}^{*} \times 0.131^{*})$ nail or 8 d deformed $(2^{1}/_{2}^{*} \times 0.131^{*})$ 6 41 $1^{1}/_{8}^{*} - 1^{1}/_{4}^{*}$ 10 do common $(3^{*} \times 0.148^{*})$ nail or 8 d deforme	32	³ / ₈ " - ¹ / ₂ "	nail (sut 8d comr	mon (2" × 0.113") ofloor wall) ^j mon (2 ¹ /2" × 0.131")	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	33	¹⁹ / ₃₂ " - 1"	8d comi 0.131")	mon nail (2 $^{1}/_{2}$ " ×	6
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	34	1 ¹ /8" - 1 ¹ /4"	nail or 8d (2 ¹ /;	2" × 0.131") ed nail	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$				alvanized roofing	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	35	fiberboard sheathing	staple 1	6 ga., 1 ¹ /4" long	1 3
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	36	²⁵ / ₃₂ " structural cellulosic fiberboard sheathing	1 ³ /4" galvanized roofing nail, ⁷ /16" crown or 1" crown		3
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	37	¹ /2" gypsum sheathing ^d	nail; sta 1 ¹ /2" lo	ple galvanized, ng; 1 ¹ /4 screws,	7
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	80300	⁵ /8" gypsum sheathing ^d	1 ³ /4" ga nail; sta 1 ⁵ /8" lo Type W	alvanized roofing ple galvanized, ng; 1 ⁵ /8" screws, or S	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	3	Wood stru	ctural 6d defo	panels, combinatio	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	39	°/4" and less	8d comr nail 8d comr		
41 1 ¹ /8" - 1 ¹ /4" nail or 8d deformed (2 ¹ /2" × 0.120") nail	40	⁷ /8" - 1"	nail or 8d defoi 0.120")	rmed (2 ¹ /2" × nail	
For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 mile per hour = 0.447 m/s:	0.088	1 ¹ /8" - 1 ¹ /4"	nail or 8d defoi 0.120")	rmed (2 ¹ /2" × nail	540

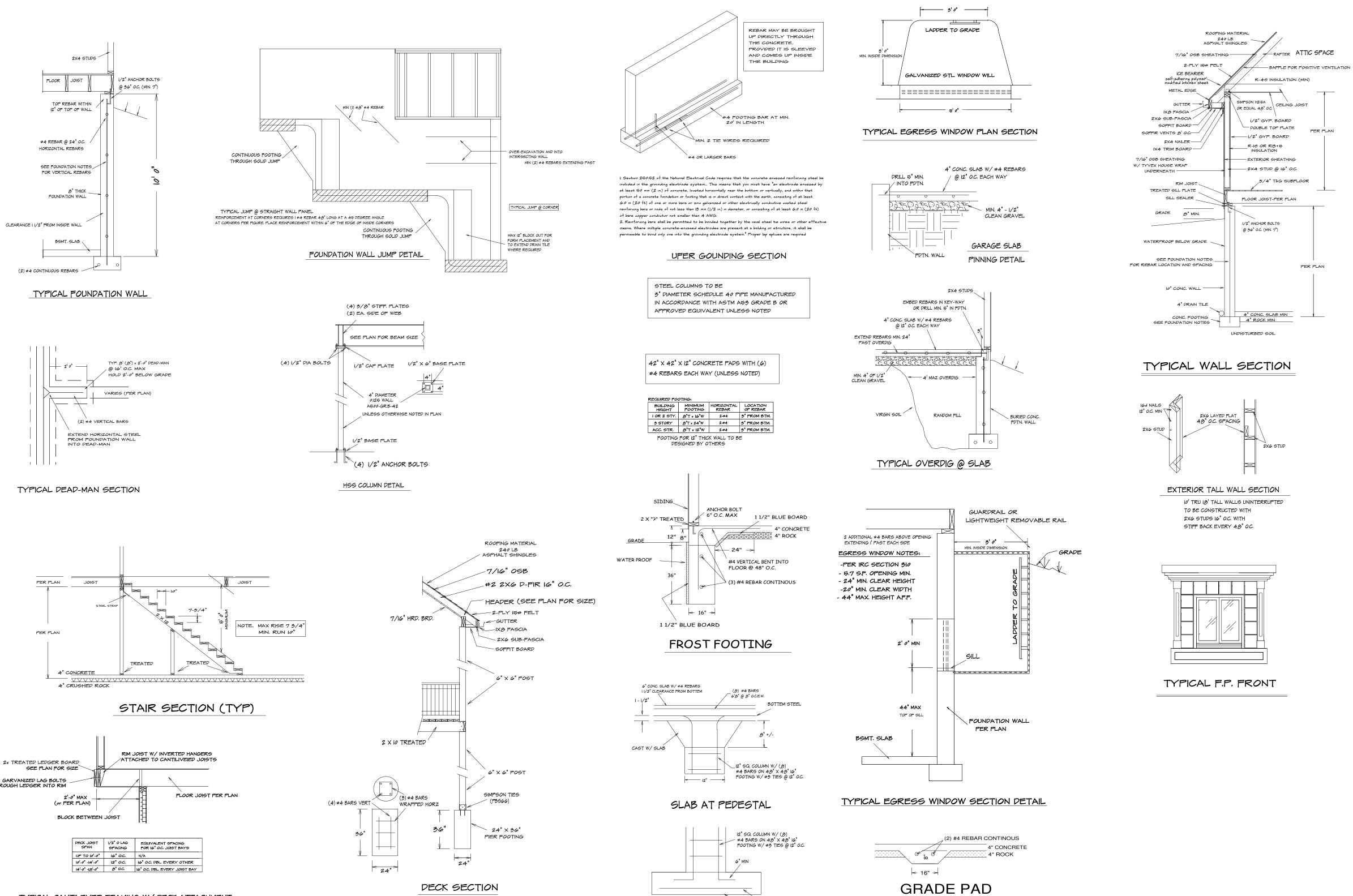
ABLE R602.3(1) FASTENER SCHEDULE FOR STRUCTURAL MEMBERS

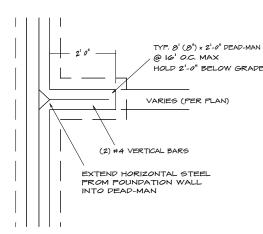
Foundation Wall Reinforcement Schedule - Table 2

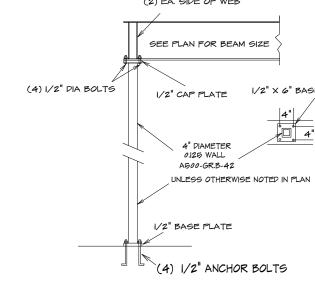
0				
V	ertical reinforcement spa	cing 6) psf s	oil
C	oncrete strength/Grade	8 inch	thick	wa
R	einforcement #4 bar	8'	9'	1
	3,000 psi / Grade 40	16	12	
0	3,500 psi / Grade 40	16	12	1
	3,000 psi / Grade 60	24	16	1
	3,500 psi / Grade 60	24	16	
Η	orizontal reinforcement -	- Minim	um Gr	ad
	One bar 12" from top of wall; maximum spacing 24" o.c.	4-#4	5-#4	6
3) 4) 5) 6)	 reinforcement place as follows: a) 8-inch wall - Minimum 5 inches f b) 10-inch wall - Minimum 6.75 inc c) Extend bars to within 8 inches o Reinforcement clearances: a) Concrete exposed to earth - min b) Not exposed to weather (interior c) Concrete exposed to weather (interior c) One bar shall be placed within 1 b) Other bars shall be equally space c) Horizontal bars should be as clo the vertical reinforcement (i.e.2" d) Supplemental reinforcement at cangle at corners of openings per inside corners Reinforcement shall be lapped a min At masonry ledges the minimum wal exceed a depth of more than 24 inch than 4 inches provide #4 bars at ma 	hes from the f the top of a side of war op clearand 2 inches o sed with sp se to the to towards the corners - P r Figure 4a amum 24 i Il thickness below the	he outside the wall. (2 inches. alls) – mini- ce in gara- f the top of acing not ension face ne inside). lace 1 #4 . Place re nches at e shall be 3 the top of	faction faction factorial

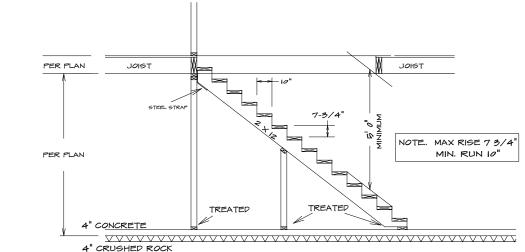
7) Straight walls more than 5 feet tall and more than 16 feet long shall be provided with exterior braced return walls. Wall length shall be measured using inside the shortest dimension between intersecting walls (See 7/S2).

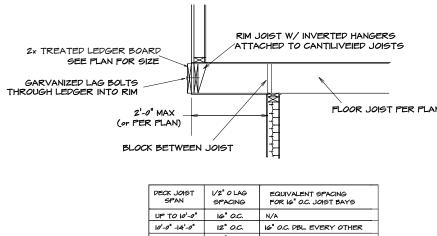




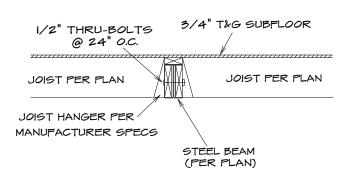




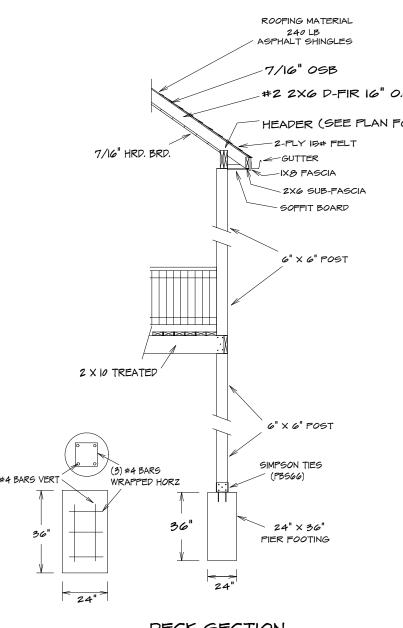




TYPICAL CANTILEVER FRAMING W/ DECK ATTACHMENT



UPSET STEEL BEAM/JOIST CONNECTION



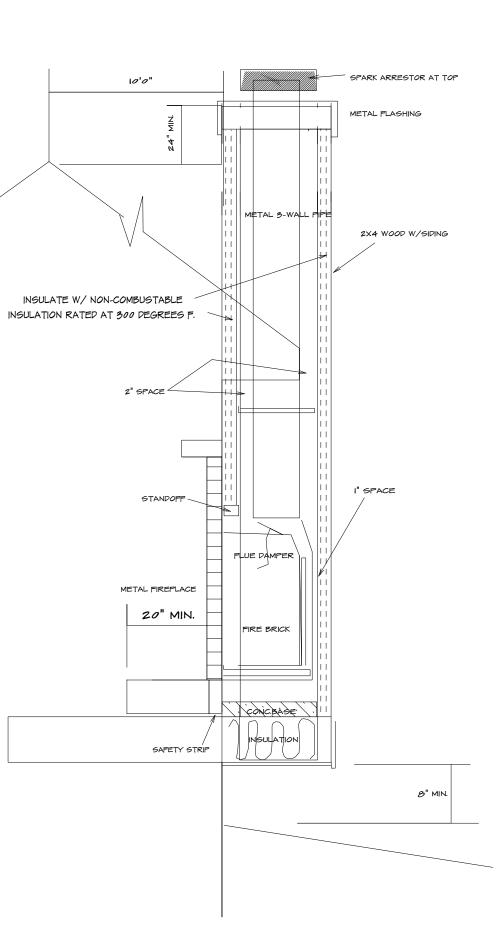
SF-7036

1/2" = 1'0"

PEDESTAL AT FOOTING

#4 BARS @ 8" O.C.E.W.

48" × 48" 16" FOOTING



TYPICAL METAL FIRE PLACE

NOTE .. SEE SPECS FOR SPECIFIC APPLICATIONS.

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