



PROGRESSIVE PLAN DESIGN LLP

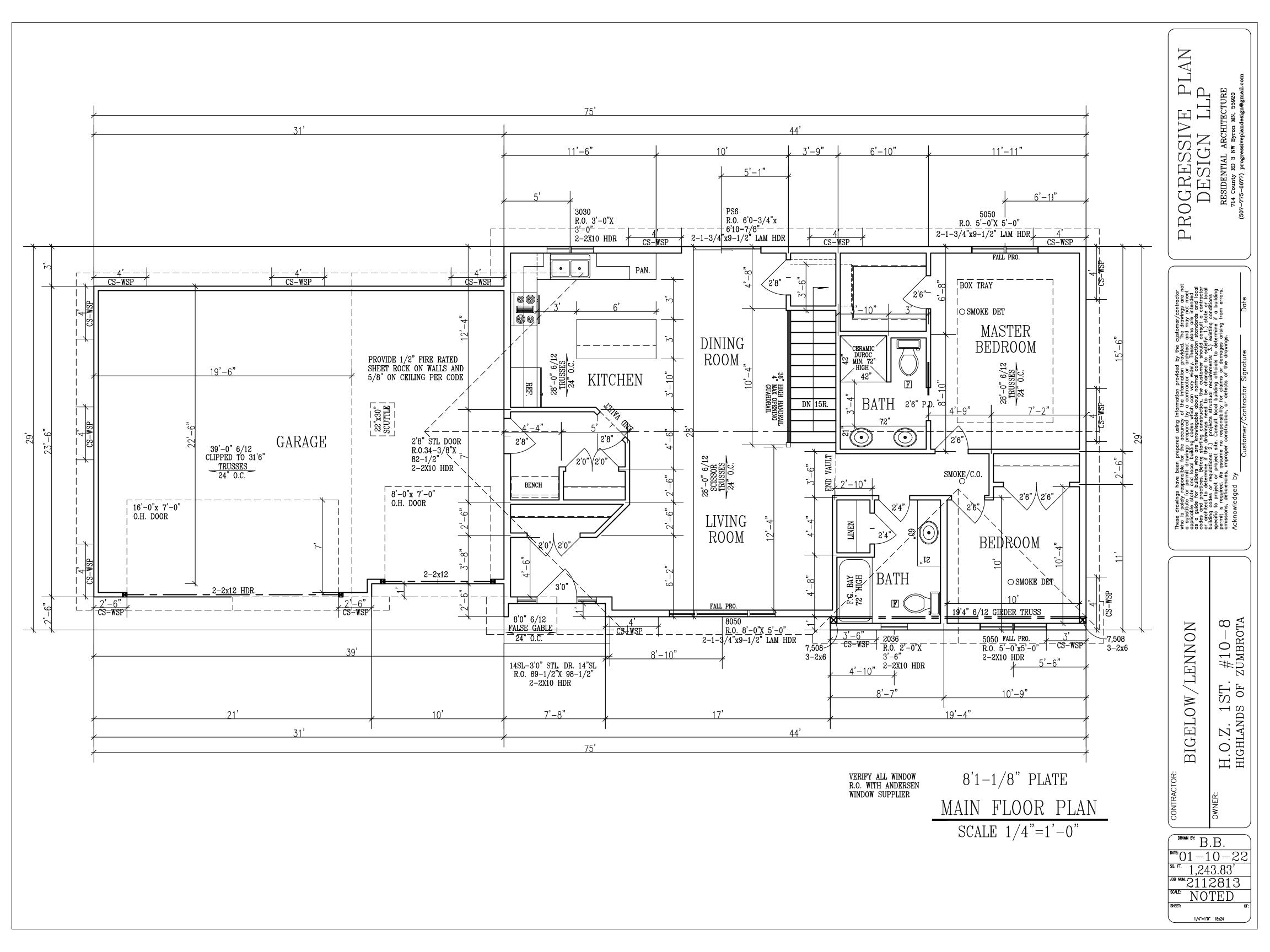
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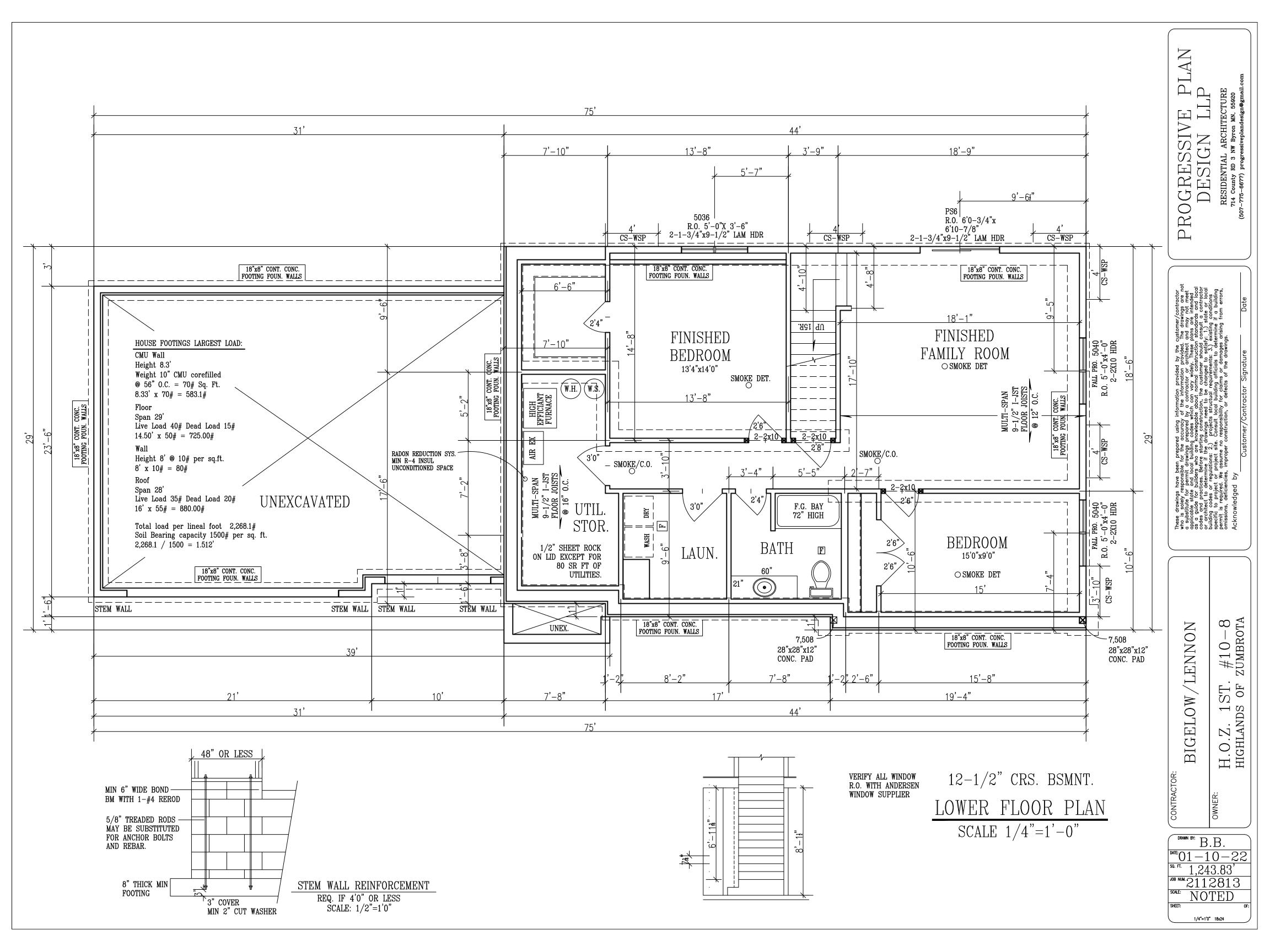
ior permit drawings prepared by a contractor or architect and may not meet the and local building codes which can vary widely. These plans are intended actices. Before starting construction, the customer should consult a contractor of determine if the drawings need to be changed to satisfy: 1.) state or local s or regulations: 2.) projects structual requirements: 3.) existing conditions oject or project site. Consult local building officials to determine if a building aired. We assume no responsibility for claims or damages arising from errors, ficiencies, improper construction, or defects of the drawings.

BIGELOW/LENNON
H.O.Z. 1ST. #10-8
HIGHLANDS OF ZUMBROTA

 $\begin{array}{c} \text{DRAWN BY: } B.B. \\ \text{DATE: } 01-10-22 \\ \text{SQ. FT. } 1,246.00 \\ \text{JOB NUM. } 2112813 \\ \text{SCALE: } NOTED \\ \text{SHEET: } \text{OF: } \end{array}$

1/4"=1'0" 18x24





HANDRAILS

• PROVIDE TYPE 1 OR TYPE 2 HANDAIL • HANDRAILS HAVING MINIMUM AND MAXIMUM HEIGHTS OF 34" AND 38", RESPECTIVELY, MEASURED VERTICALLY FROM THE NOSING OF THE TREADS, SHALL BE PROVIDED ON AT LEAST ONE SIDE OF STAIRWAYS. ALL REQUIRED HANDRAILS SHALL BE CONTINUOUS THE FULL LENGTH OF THE STAIRS WITH FOUR OR MORE RISERS FROM A POINT DIRECTLY ABOVE THE LOWEST RISER OF THE FLIGHT ENDS SHALL BE RETURNED OR TERMINATE IN NEWEL POSTS OR SAFETY TERMINALS. HANDRAILS ADJACENT TO A WALL SHALL

BETWEEN THE WALL AND THE HANDRAIL. EXCEPTIONS. HANDRAILS SHALL BE PERMITTED TO BE INTERUPTED BY A NEWEL POST AT A TUN. THE USE OF A VOLUTE, TURNOUT OR STARING EASING SHALL BE ALLOWED

HAVE A SPACE OF NOT LESS THAN 1.5"

GUARDRAIL

 GUARDS ARE TO WITHSTAND A 200 lb. LOAD IN ANY DIRECTION TABLE: IRC R301.5

OVER THE LOWEST TREAD.

• GUARDS REQUIRED FOR PORCHES, BALCONIES OR RAISED FLOOR SURFACES LOCATED MORE THAN 36" IN HEIGHT. OPEN SIDES OF STAIRS WITH A TOTAL RISE OF MORE THAN 30" ABOVE THE FLOOR OR GRADE BELOW SHALL HAVE GUARDS NOT LESS THAN 34" IN HEIGHT MEASURED VERTICALLY FROM THE MOSING OF THE TREADS.

• GUARD OPENING LIMITATIONS. REQUIRED GUARDS ON OPEN SIDES OF STAIRWAYS, RAISED FLOOR AREAS, BALCONIES AND PORCHES SHALL HAVE INTERMEDIATE RAILS OR ORNAMENTAL CLOSURES THAT DO NOT ALLOW PASSAGE OF A SPHERE 4" IN DIA.

• EXCEPTION: THE TRIANGULAR OPENINGS FORMED BY THE RISER, TREAD AND BOTTOM RAIL OF A GUARD AT THE OPEN SIDE OF A STAIRWAY ARE PERMITTED TO BE OF SUCH A SIZE THAT A SPHERE 6" CANNOT PASS THROUGH.

GENERAL NOTES:

●90 MPH WIND LOAD •FLR 40lb LL-10lb DL= 50 TL

●ROOF 35lb LL-17lb DL= 52 TL • IRC R502.11.3 TRUSS MEMBERS AND COMPONENTS SHALL NOT BE CUT, NOTCHED, SPLICED OR OTHERWISE ALTERED IN ANY WAY WITHOUT APPROVAL OF A REGISTERED DESIGN PROFESSIONAL

• FOUNDATION- MIN 3000 P.S.I. AIR ENTRAINED CONC. • FOOTINGS- MIN 5000 P.S.I. • PLAIN CONCRETE- 2000 P.S.I.

• REROD- MIN GRADE 60 • FOOTINGS TO BEAR ON ORIGINAL SOIL • WOOD FRAMING 2X4, 2X6 STD #2 GRADE OR BETTER • BRIDGING AT CENTERLINE OF SPANS.

• PROVIDE SOLID BLOCKING AT FLOOR JSTS BEARING POINTS, INTERIOR BEARING WALLS AND CANTELEVERED FLOOR JOISTS AS REQUIRED. • PROVIDE RIGID AIR BARRIER AT ALL PLUMBING AND MECHANICAL HEAT DUCT PENETRATIONS OF EXTERIOR WALLS, CEILINGS, AND FLOORS.

• 16"x16" PLUMBING ACCESS PANEL. PROVIDE A M.R. AIR BARRIER AT THE INSIDE SURFACE OF EXTERIOR ENVELOPE BEHIND TUB AND SHOWER UNITS. (1/2" AWW PLYWD.) DUROC OR 5/8" W.R. GYP. TO 72" WHEN & WHERE REQ.

 SHEATHING JOINTS WHICH ARE NOT SUPPORTED BY FRAMING MEMBERS MUST BE CAULKED.

• ALL PENETRATIONS INSTALLED THROUGH THE INTERIOR AIR BARRIOR MUST BE SEALED PRIOR TO THE FRAMING INSPECTION. • ADD 1/2" TO ALL WINDOW ROUGH OPENINGS FOR INSUL.

• MINIMUM BSMNT CEILING HGTS. 7'0" MIN. 6'6" UNDER BM. • WINDOWS AND DOORS ARE TO BE SEALED TO PREVENT THE ENTRY OF OUTSIDE AIR. SEE MFG'S INSTALLATION.

ACTIVE RADON REDUCTION SYSTEM:

HOLLOW BLK FOUNDTION WALLS SHALL BE CONSTRUCTED WITH EITHER A CONT. CRS OF SOLID MASONRY, OR 1 CRS MASORY GROUTED SOLID, OR SOLID CONC BM, AT OR ABOVE FINISHED GRADE TO PREVENT PASSAGE OF AIR FROM INTERIOR OF THE WALL INTO LIVING SPACE. WHERE BRCIK LEDGE IS INSTALLED. THE CRS IMMEDIATLY BELOW THAT LEDGE SHALL BE SEALED. JOINTS CRACKS, OR OTHER OPENINGS AROUND PENETRATIONS OF BOTH EXTERIOR AND INTERIOR SURFACES OF MASONARY WALL. WOOD FOUNDATION WALS BELOW GRADE SURFACE SHALL BE FILLED WITH POLYURETHANE CAULK MIN 3" ABS, PVC, OR EQUIVALAENT GASTIGHT PIPE W/R-4 INSUL. IN ALL UN-CONDITIONED AREA'S WHERE THE VENT PIPE IS SHALL BE EMBEDDED VERTICALLY INTO SUB SLAB AGGREGATED OR OTHER PERMIABLE MATERIAL, A "T" FITTING WITH ONE 10' SECTION OF PERFORATED PIPE CONNECTED TO EACH SIDE OF "T", OR 3" PIPE SHALL BE INSERTED INTO INTERIOR PERIMETER DRAIN TILE LOOP OR THROUGH A SEALED SUMP COVER, WHERE THE SUMP THE SUMP IS EXPOSED TO THE SUB-SLAB AGGREGATE. RADON VENTS SHALL CONNECT TO SINGLE PIPE THAT TERMINATES AT LEAST 12" ABOVE ROOF. RADON PIPES SHALL PROVIDE ENOUGH SPACE AROUND PIPE FOR FAN, MIN 24" DIA CENTERED ON AXIS OF VENT STACK A MIN VERTICAL DISTANCE OF 36". RADON PIPES SHALL BE IDENTIFIED WTH ONE LABEL ON EACH FLOOR, LABEL SHALL READ(RADON REDUCTION SYSTEM)

ROOF SYSTEM:

•TRUSSES 24" O.C. SPECS BY MFG. •1/2" OSB ROOF SHEATHING P.I.I. 32/16 •2 LAYERS 15# FELT APPLIED SHINGLE FASHION AND SOLID MÖPPED AT PLIES FROM EAVES TO

A POINT 24" INSIDE EXTERIOR WALL. 1 LAYER ON REMAINING. •20 YEAR 3 TAB ASPHALT SHINGLES • PROVIDE STEEL SUPPLIMENTAL UPLIFT

BRACKETS FOR ALL TRUSSES. • PROVIDE CLIPS AS REQUIRED FOR ROOF SHEATHING • NEW ROOF COVERINGS SHALL NOT BE INSTALLED WITHOUT FIRST REMOVING EXISTING ROOF COVERINGS

WHEN THE EXISTING ROOF HAS TWO OR MORE APPLICATIONS OF ANY TYPE OF ROOF COVERING

• PROVIDE IN CONCEALED SPACES OF STUD WALLS

AND PARTITIONS INCLUDING FURRED SPACES AT

CEILINGS AND FLOOR VEVELS AT 10' INTERVALS

IRC SEC. R401.3

IN FIRST 10'-0"

FOUNDATION TO GRADE

● MIN. 6" SLOP OF GRADE

DRAINABLE

R-10 FOAM

APPOVED FILTER MEMBRANE

4" DRAIN TILE

• 10" WASHED GRAVEL

6" MIN TOP OF

BOTH VERTICAL AND HORIZONTAL

WDWS U. .29

.06 TYVEK

R. 22.57 TOTAL WALL

.61 STEEL SIDING

R. 20.00 5-1/2" F.G. INSUL

.06 6 MIL. POLY V.B.

.45 1/2" GYP. BD.

.54 7/16" STRUCT. PANEL

(Ř. 9.44) 2x6 STUDS

WINDWASH BARRIER:

• AT EXTERIOR EDGE OF ATTIC INSULATION. A MINIMUM OF " OF AIR SPACE SHALL BE PROVIDED BETWEEN INSUL AND SHEATHING.

ENG. PRODUCTS

•TRUSS MEMBERS AND COMPONENTS SHALL NOT BE CUT, NOTCHED SPLICED OR OTHERWISE ALTERED IN ANY WAY WITHOUT THE APPROVAL OF A REGISTERED REGISTERED DESIGN PROFESSIONAL

FRAMING INSPECTION

FLR. JST. SYS:

PROVIDE SOLID BLOCKING

JOIST SPACES PARALLEL TO

5-7 FEET OF WELL DRAINED

SOIL. PROVIDE BRIDGING AS

•1-CRS 4"X4"X16" CONC BLK.

1/2"X 10" ANCOR BOLT

72" O.C. 7" EMBEDMENT

•2X4 TRTD BOTTOM PLATE

PROVIDE BRIDGING AS REQ.

•2X4 STUDS 16" O.C.

• IRC SEC. R506.2.3 W/ 6 MIL POLY BETWEEN AGGREGATE

4" CONC SLAB 3000 P.S.I. MIN

& ŚLAB (POLY 12" MIN. LAP)

1/4"TO 2" AGGREGATE BASE

FOUNDATION WALL, WHERE

AT 24" O.C. IN FIRST 3

BEARING WALL

•20"X 10" CONT. CONC.

REQUIRED.

FOOTING

SEE BAM FOUNDATION GUIDE OR

SEE PLAN

8'1-1/ S OTH

¬R−5 FOAM

3/4" T&G FLOORING P.I.I. 48/24

ELEVATION FOAM AIR / •1:150 MIN ATTIC CHUTE VENTILATION • 7" ENERGY HEEL EAVE SYSTEM: • 2X6 SUBFASCIA CEILING: • ALUMINUM FASCIA • 2X4 LOOKOUTS 24" O.C. • 5/8" SHEET ROCK • ALUMINUM SOFFIT W/CANT VENT • 0.1 PERM VAPOR BARRIOR • AIR CHTUES 48" O.Ć. • BLOWN INSULATION MIN R-49 EXTERIOR WALL: • SIDING NOTED ON ELEVATIONS NOTE: TYVEK OR TYPAR HOUSE WRAP • SHEATHING JOINTS TO UNDERSIDE OF TOP CHORD OF TRUSS OR RAFTER. WHICH ARE NOT •7/16" OSB. WALL SHEATHING SUPPORTED BY •2X6 STUDS 16" O.C. FRAMING MEMBERS ●5-1/2" F.F. INSULATION-R20 MUST BE CAULKED •4 MIL POLY PERM VAPOR BARRIER TAPED @ JOINTS 1/2" SHEET ROCK •2-2X12 HDRS ON ALL OPENINGS 12 UNLESS OTHERWISE NOTED. NOTE: • ALL PENETRATIONS INSTALLED FIREBLOCKING AND DRAFTSTOPS: THROUGH THE INTERIOR AIR BARRIOR MUST BE SEALED PROIR TO THE

EMERGENCY ESCAPE WINDOWS: AND WINDOW WELL SPECS.

FULL HEIGHT OF THE WINDOW WELL.

• 5 SQ. FT. MIN. 20" WIDE, MIN. 24" HIGH CLEAR OPENING. WINDOWS PERMITTED AT GRADE LEVEL. GRADE LEVEL IS DEFINED AS THE WINDOW HAVING A SILL HGT. OF NOT MORE THAN 44" ABOVE OR BELOW GROUND LEVEL.

• MINNESOTA RULES, 1309.0310, SEC. R310.1 MIN. CEILING HGT. 36" MAINTAINED ABOVE EXTERIOR GRADE FROM EXTERIOR WALL TO PUBLIC WAY (I.E. UNDER DECKS OR CANT.) • MIN 36" CLEAR SPACE IN FRONT OF WINDOW.

• WINDOW WELLS WITH A VERTICAL DEPTH GREATER THAN 44" BELOW THE ADJACENT GROUND LEVEL SHALL BE EQUIPPED WITH A PERMANENTLY AFFIXED LADDER OR STEPS USABLE WITH THE WINDOW IN THE FULLY OPEN POSITION. THE LADDER OR STAIRS SHALL BE PERMITTED TO ENCROACH A

MAXIMUM OF 6 INCHES. LADDERS OR RUNGS SHALL HAVE AN INSIDE WIDTH OF AT LEAST 12" AND SHALL PROJECT AT LEAST 3" FROM THE WALL AND SHALL BE SPACED NOT MORE THAN 18" ON CENTER VERTICALLY FOR THE

FLASHING & COUNTERFLASHING IRC SEC. R703.8

• APPROVED CORROSION-RESISTIVE FLASHING SHALL BE PROVIDED IN THE EXTERIOR WALL ENVELOPE IN SUCH A MANNER AS TO PREVENT ENTRY OF WATER INTO THE WALL CAVITY OR PENETRATION OF WATER TO THE BUILDING STRUCTURAL FRAMING COMPONENTS. THE FLASHING SHALL EXTEND TO THE SURFACE OF THE EXTERIOR WALL FINISH AND BE INSTALLED TO PREVENT WATER FROM RE-ENTERING THE EXTERIOR WALL ENVELOPE.

 FLASHING SHALL BE INSTALLED CONTINUOUSLY ABOVE ALL PROJECTING WOOD TRIM. • FLASHING SHALL BE INSTALLED AT WALL AND ROOF INTERSECTIONS.

• EXTEND DRIP CAPS PAST THE END OF THE BRICK MOLD AND BEND OVER.

• INSTALL KICK OUT FLASHING WHERE STEP FLASHING BEGINS.

TEMPERED GLASS IRC R308.4: GLAZING, IN AN INDIVIDUAL FIXED OR OPERABLE PANEL ADJACENT TO A DOOR WHERE THE NEAREST VERTICAL EDGE IS WITHIN A 24" ARC OF THE DOOR AND IS LESS THAN 60" ABOVE THE FLOOR OR WALKING SURFACE. GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL, OTHER THAN THOSE LOCATIONS DESCRIBED IN ITEM 5 AND 6 ABOVE, THAT MEETS

ALL OF THE FOLLOWING CONDITIONS: • 7.1 EXPOSED AREA OF AN INDIVIDUAL PANE GREATER THAN 9 SQ. FT.

• 7.2 BOTTOM EDGE LESS THAN 18" ABOVE THE FLOOR. • 7.3 TOP EDGE GREATER THAN 36" ABOVE THE FLOOR. • 7.4 ONE OR MORE WALKING SURFACES WITHIN

FOAM PLASTIC

STAIR SYSTEM:

• 1X8 PINE RISERS

●6'-8" MIN HEADROOM.

LANDINGS

•3-2X12 STRINGERS D-FIR

•5/4X 10" PARTIAL BOARD TREADS

OR 2X10 HEM FIR SECURED TO

STRINGERS W/4-16d CC NAILS PER

STRINGER. PROVIDE HANDRAIL 34"-38" HIGH

36" HIGH GUARDRAIL W/4" MAX OPENINGS.

7-3/4" MAX RISE, 10" MIN RUN. 5/8" S.R. WALLS

AND SOFFIT OF ENCLOSED UNUSEABLE UNDERSTAIRS.

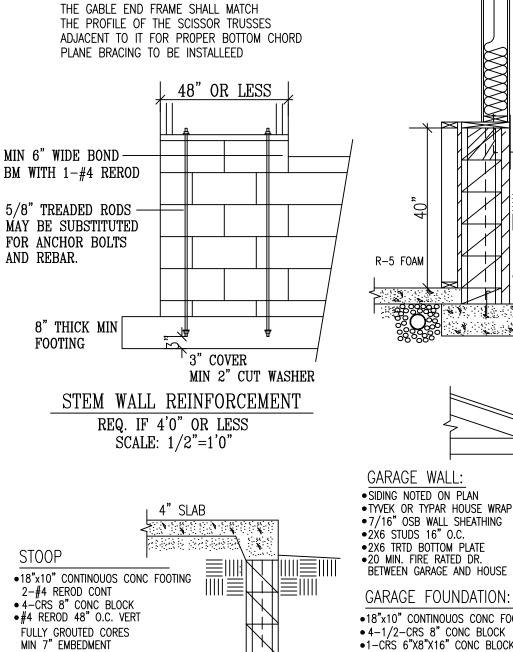
• LANDINGS FOR STAIRWAYS: THERE SHALL BE A FLOOR OR

LANDING AT THE TOP AND BOTTOM OF EACH STAIRWAY.

36" HORIZONTALLY OF THE GLAZING.

SILL PLATES & HEADERS. FOAM PLASTIC SHALL BE PERMITTED TO BE SPRAY APPLIED (WITHOUT THERMAL BARRIER) TO A SILL PLATE AND HEADER (RIM) SUBJECT TO ALL OF THE FOLLOWING.

THE MAXIMUM THICKNESS OF THE FOAM PLASTIC SHALL BE 3-1/4" THE DENSITY OF THE FOAM SHALL BE BETWEEN 1.5 TO 2.0 PCF. FLAME SPREAD INDEX OF 25 OR LESS AND A SMOKE DEVELOPED INDEX OF 450 OR LESS WHEN TESTED IN ACCORDANCE WITH ASTM E84



WHEN SCISSOR TRUSSES ARE USED

•20 MIN. FIRF RATED DR BETWEEN GARAGE AND HOUSE **GARAGE FOUNDATION:** •18"x10" CONTINOUOS CONC FOOTING • 4-1/2-CRS 8" CONC BLOCK ●1-CRS 6"X8"X16" CONC BLOCK •#4 REROD 48" O.C. VERT • MIN 40 BAR DIA LAP ALL VERTICAL 1/2"X 10" ANCHOR BOLTS REINFORCEMENT SPLICES

A NOSING OF NOT

/ MORE THAN 1-1/4"

IS REQUIRED ON

THAN 11"

LESS THAN 3/4" OR

FOAM PROTECTION • IF FOUNDATION WALL INSULATION IS ON THE EXTERIOR, THE PORTION FROM THE TOP OF THE FOUNDATION WALL TO SIX INCHES BELOW GRADE MUST BE COVERED BY AN APPROVED PROTECTIVE COATING. • A NOSING OF NOT LESS THAN 3/4" OR MORE THAN 1-1/4" IS REQUIRED AND IS NOT REQ. IF TREAD DEPTH IS MIN. 11" RISER MAY BE OPEN PROVIDED THE OPENING DOES NOT PERMIT THE PASSAGE OF A 4" DIAMETER SPHERE IRC R311.5.3 ●1/2" AC PLYWOOD SECURED TO DBL STAIR HEADER W/4-8d CC NAILS PER STRINGER, STRINGERS SECURED TO PLYWOOD W/4-16d CC NAILS PER STRINGER. →4" MIN NFT DEPTH OF STAIR

OUTS

STRINGERS AT CUT

WALKOUT FOUNDATION

● 20"X 10" CONT FOOTING

• 5-CRS 10" CONC BLOCK

MIN 7" EMBEDMENT

2X6 TRTD SILL PLATE

• MIN 40 BAR DIA. LAP ALL

VERTICAL REINFORCEMENT

• 6" SILL SEAL

• 1-CRS 6"X4"X16"CONC BLOCK

• #4 REROD 48" O.C. VERTICAL

• 1/2"X10" ANCHOR BOLT 48" O.C.

IN COMMON FULLY GROUTED CORES.

• EXCEPTION: AT THE TOP OF AN INTERIOR FLIGHT OF STAIRS, PROVIDED A DOOR DOES NOT SWING OVER THE STAIRS. • LANDING AT DOORS: THERE SHALL BE A FLOOR OR LANDING ON EACH SIDE OF EACH EXTERIOR DOOR. THE FLOOR OR LANDING AT A DOOR SHALL NOT BE MORE THAN 1.5" LOWER THAN THE TOP OF THE THRESHOLD

• EXCEPTION: AN EXTERIOR DR. SHALL NOT BE MORE THAN 7-3/4" BELOW THE TOP OF THRESHOLD, PROVIDED THE DOOR, OTHER THAN AN EXTERIOR STORM OR SCREEN DR. DOES NOT SWING OVER THE LANDING. THE WIDTH OF LANDING SHALL NOT BE LESS THAN THE STAIRWAY OR DR. SERVED. MIN. 36" IN THE DIRECTION OF TRAVEL.

STAIR TREADS LESS •SOLID FILL THIS CRS WHEN BLOCK IS OFFSET 6" MIN TOP OF FOUNDATION TO GRADE •MIN. 6" SLOP OF GRADE IN FIRST 10'-0" **1≣IIII** 5/8" MIN. R-10 FOAM

1

48" O.C. TO SHARE

MIN 7" EMBEDMENT

•2X6 TRTD SILL PLATE

REINFORCEMENT SPLICES

•6" SILL SEAL

COMMON FULLY GROUTED CORES

• MIN 40 BAR DIA LAP ALL VERTICAL

THIS CRS WHEN

BLOCK IS OFFSET

5/8" MIN.

4"SLAB

BORED HOLE MAX.
DIAMETER 40 PERCENT
OF STUD DEPTH. -Bored Holes Shall Not be located in The Same Cross Section Of Cut or Notch in Stud. IF HOLE IS BETWEEN 40
PERCENT AND 60 PERCENT
OF STUD DEPTH, THED STUD
MUST BE DOUBLE AND NO
MORE THEN TWO SUCCESSIVE
STUDS ARE DOUBLED AND SO
ROPED EXCEED 25 PERCENT OF STUD DEPTH.

EXTERIOR & BEARING WALLS:

NOTCHING & BORING IRC R602.6(1)

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KNEEWALL

SEE PLAN

FOUNDATION:

•20"x 10" CONT FOOTING

• 5-CRS 10"CONC BLOCK

• 1/2"X 12" ANCHOR BOLTS

FULLY GROUTED CORES

MIN EMBEDMENT 7"

• 2X12 TRTD SILL PLATE.

WATERPROOFING

DRAINARI F

4" DRAIN TILE

R-10 FOAM

●10" WASHED GRAVEL

48" O.C. TO SHARE COMMON

• 8" CLOSED CELL SILL SEALER

• MIN 40 BAR DIA LAP ALL VERT.

|**≡**|||| • 6" MIN TOP OF

FOUNDATION TO GRADE

• MIN. 6" SLOP OF GRADE

IN FIRST 10'-0"

SEE ELEVATION

•6" MIN TOP OF

IN FIRST 10'-0"

FOUNDATION TO GRADE

MIN. 6" SLOP OF GRADE

REINFORCEMENT SPLICES

•40-MIL POLYMER-MODIFIED ASPHALT

OR 6-MIL POLY FTG TO TOP OF FNDTN.

• FOOTING DOWELLED TO BLOCK

•1-CRS 10"X4"X16" CONC BLOCK

MÍN 20" ABOVE FTG. IN GROUTED CORE.

W/6" 90 DEG. HOOK IN GROUTED CORE.

W/#4 VERT. REROD 48"O.C.

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RESIDENTIAL

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410-8 MBROTA # Zn ST. OF GELOW H.O.Z. 1S HIGHLANDS

DRAWN BY: B.B. 01 - 10 - 22JOB NUM. 2112813 NOTED

1/4"=1'0" 18x24

BI

12-1/2 CRS. BSMNT:

●20"X 10" CONC FOOTING 2-#4 REROD CONT.

•12-1/2-CRS 10" CONC BLOCK •#6 REROD 32" O.C. VERTICAL ,6-3/4" FROM SOIL SIDE FACE OF WALL

•1/2"X 10" ANCHOR BOLTS 32" O.C. TO SHARE FULLY GROUTED CORES. MIN 7" EMBEDMENT

• 2X12 .40 TRTD SILL PLATE • 8" CLOSED CELL SILL SEALER

• 40-MIL POLYMER-MODIFIED ASPHALT WATERPROOFING OR

• 6 MIL POLY FROM FOOTING TO TOP FOUNDATION

• MIN 40 BAR DIA. LAP ALL VERTICAL REINFORCEMENT.

STRUCTURE TO MEET 2.6 AIR EXCHANGE RATE PER HOUR.

_	RACED PANEL L ASED ON WIND		ABLE <90mph)	TOTAL TOTA					
BRACED WALL LINE	BRACING METHOD TABLE R602.10.4.1	BRACED WALL LINE SPACING	REQUIRED BRACING LENGTH (FEET)	EXPOSURE FACTOR CONDITION	ROOF TO EAVE TOTAL	WALL HIGHT TOTAL	NUMBER BRACED WALL LINES	REQUIRED BRACING LENFTH (FEET)	PROVIDED BRACING LENGTH
1	CS-WSP	32 FT.	5.2	1.0	0.88	0.90	1.0	4.1	16.0'
(2)	CS-WSP	32 FT.	5.2	1.0	0.88	0.90	1.0	4.1	12.67'

DISCRIPTION: MAIN FLOOR

	BRACED PANEL LENGTH TABLE BASED ON WIND SPEED (<90mph) - ADJUSTMENT CALCULATION EXAMPLE REQUIRED EXPOSURE ROOF TO WALL NUMBER REQUIRED BRACING X FACTOR X EAVE X HIGHT X BRACED = BRACING LENGTH									
BRACED WALL LINE	BRACING METHOD TABLE R602.10.4.1	BRACED WALL LINE SPACING	REQUIRED BRACING LENGTH (FEET)	EXPOSURE FACTOR CONDITION	ROOF TO EAVE TOTAL	WALL HIGHT TOTAL	NUMBER BRACED WALL LINES	REQUIRED BRACING LENFTH (FEET)	PROVIDED BRACING LENGTH	
A	CS-WSP	31 FT.	5.1	1.0	0.88	0.90	1.3	5.25'	12.0'	
B	CS-WSP	35 FT.	5.5	1.0	0.88	0.95	1.3	5.98'	12.0'	
(C)	CS-WSP	35 FT.	5.5	1.0	0.88	0.95	1.3	5.98'	12.0'	

DISCRIPTION: LOWER FLOOR

ı	RACED PANEL L ASED ON WIND	** ADJUSTMENT CALCULATION EXAMPLE REQUIRED EXPOSURE ROOF TO WALL NUMBER BRACING X PACTOR X EARE X HIGHT X BRACED BRACING LENGTH **TOTAL TOTAL LINES**							
BRACED WALL LINE	BRACING METHOD TABLE R602.10.4.1	BRACED WALL LINE SPACING	REQUIRED BRACING LENGTH (FEET)	EXPOSURE FACTOR CONDITION	ROOF TO EAVE TOTAL	WALL HIGHT TOTAL	NUMBER BRACED WALL LINES	REQUIRED BRACING LENFTH (FEET)	PROVIDED BRACING LENGTH
1	CS-WSP	40 FT.	12.0	1.0	0.88	0.90	1.0	9.5'	12.0'
2	CS-WSP	40 FT.	12.0	1.0	0.88	0.90	1.0	9.5'	12.0'

DISCRIPTION: LOWER FLOOR

1/2" .60 TRTD PLY SECURED

SECURED TO .60 TRTD PLY

W/4-16d GALV. BOX NAILS

CLOSED OR 4" MAX OPENING.

2x10 .40 TRTD. TREADS SECURED

TO STRINGERS W/4 - 16d GALV.

BOX NAILS. 5/4 .40 TRTD. TREADS SECURED

TO STRINGERS W/4 - 16d GALV.

NAILS PER STRINGER

PÉR STRINGER.

BOX NAILS.

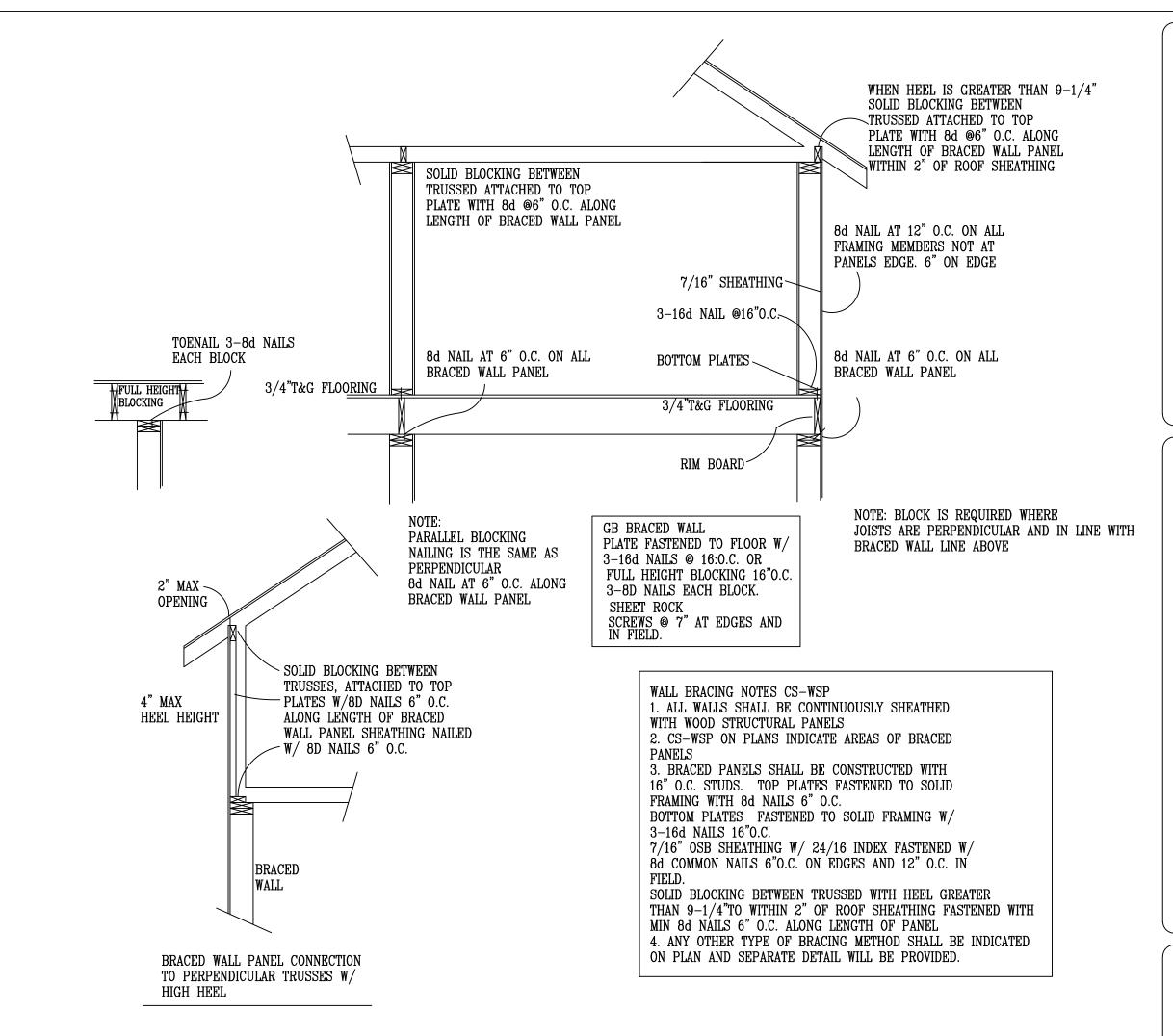
TO RIM JST. W/4-8d GALV. BOX

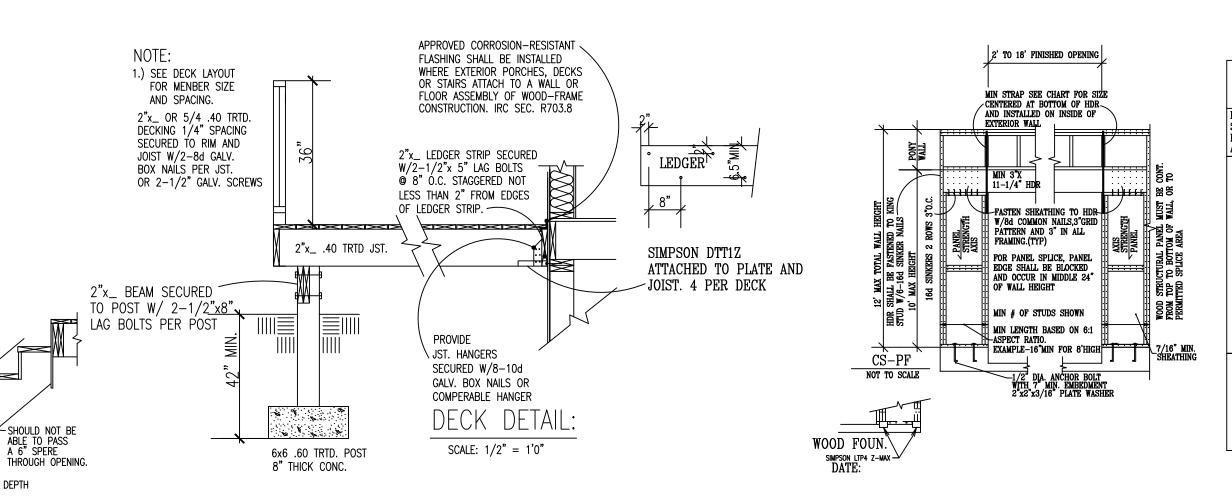
2x12 .40 TRTD STRINGERS 18" O.C.

7-3/4" MAX RISE, 10" MIN. RUN RISERS

~4" MIN. NET DEPTH

DISCRIP	TION: LOWE	CR FLOOR	₹						
	RACED PANEL L ASED ON WIND		ABLE <90mph)	REQU BRAC LENG	IRED EXPOSURE ING X FACTOR	X BAVE X HI	LL NUMBER	REQUIRED BRACING LENFTH
BRACED WALL LINE	BRACING METHOD TABLE R602.10.4.1	BRACED WALL LINE SPACING	REQUIRED BRACING LENGTH (FEET)	EXPOSURE FACTOR CONDITION	ROOF TO EAVE TOTAL	WALL HIGHT TOTAL	NUMBER BRACED WALL LINES	REQUIRED BRACING LENFTH (FEET)	PROVIDED BRACING LENGTH
A	CS-WSP	28 FT.	8.0'	1.0	0.88	0.90	1.0	6.3'	12.0'
\bigcirc	CS-WSP	28 FT.	8.0'	1.0	0.88	0.90	1.0	6.3'	12.0'





TENSION STRAP CAPACITY FOR WIND PRESSURE REQ. FOR PFH,PFG, AND CS-PF							
MIN WALL STUD FRAMING	MAXIMUM PONY WALL	MAXIMUM TOTAL WALL	MAXIMUM OPENING	TENSION STRAP CAPA	CITY REQ. 90 MPH WIND		
NOMINAL SIZE AND GRADE	HEIGHT	HEIGHT	WIDTH	EXPOSURE B	EXPOSURE C		
	0	10	18	1000	1000		
			9	1000	1000		
	1	10	16	1000	2325		
			18	1200	2725		
2X4	2	10	9	1000	1550		
N0.2			16	2025	3900		
GRADE			18	2400	DR		
	2	12	9	1200	2750		
			16	3200	DR		
			18	3850	DR		
	4	12	9	2350	DR		
			16	DR	DR		
	2	12	9	1000	1750		
2X6 STUD GRADE			16	2050	3550		
			18	2450	4100		
	4	12	9	1500	2775		
			16	3150	DR		
			18	3675	DR		

PROGRESSIVE PLAN DESIGN LLP

RESIDENTIAL 714 County RD 3 NV7-775-6677) progress

pplicable state and local building codes which can vary widely. These plans are intended a a guide for builders who are knowleague bedoot normal construction standards and locates and practices. Before starting construction, the customer should consult a contractir rachitect to determine if the drawings need to be changed to satisfy: 1) state or localiding codes or regulations: 2) projects structual requirements: 3) existing conditions pecific to project or project site. Consult local building officials to determine if a building errint is required. We assume no responsibility for claims or damages arising from errors missions, deficiencies, improper construction, or defects of the drawings.

BIGELOW/LENNON
H.O.Z. 1ST. #10-8
HIGHLANDS OF ZUMBROTA

 $\begin{array}{c} \text{DRAWN BY: } B.B. \\ \hline \text{DATE: } O1-10-22 \\ \text{SQ. FT. } 1,246.00 \\ \text{JOB NUM. } 2112813 \\ \hline \text{SCALE: } NOTED \\ \text{SHEET: } OF: \\ 1/4"=1"0" 18x24 \\ \hline \end{array}$