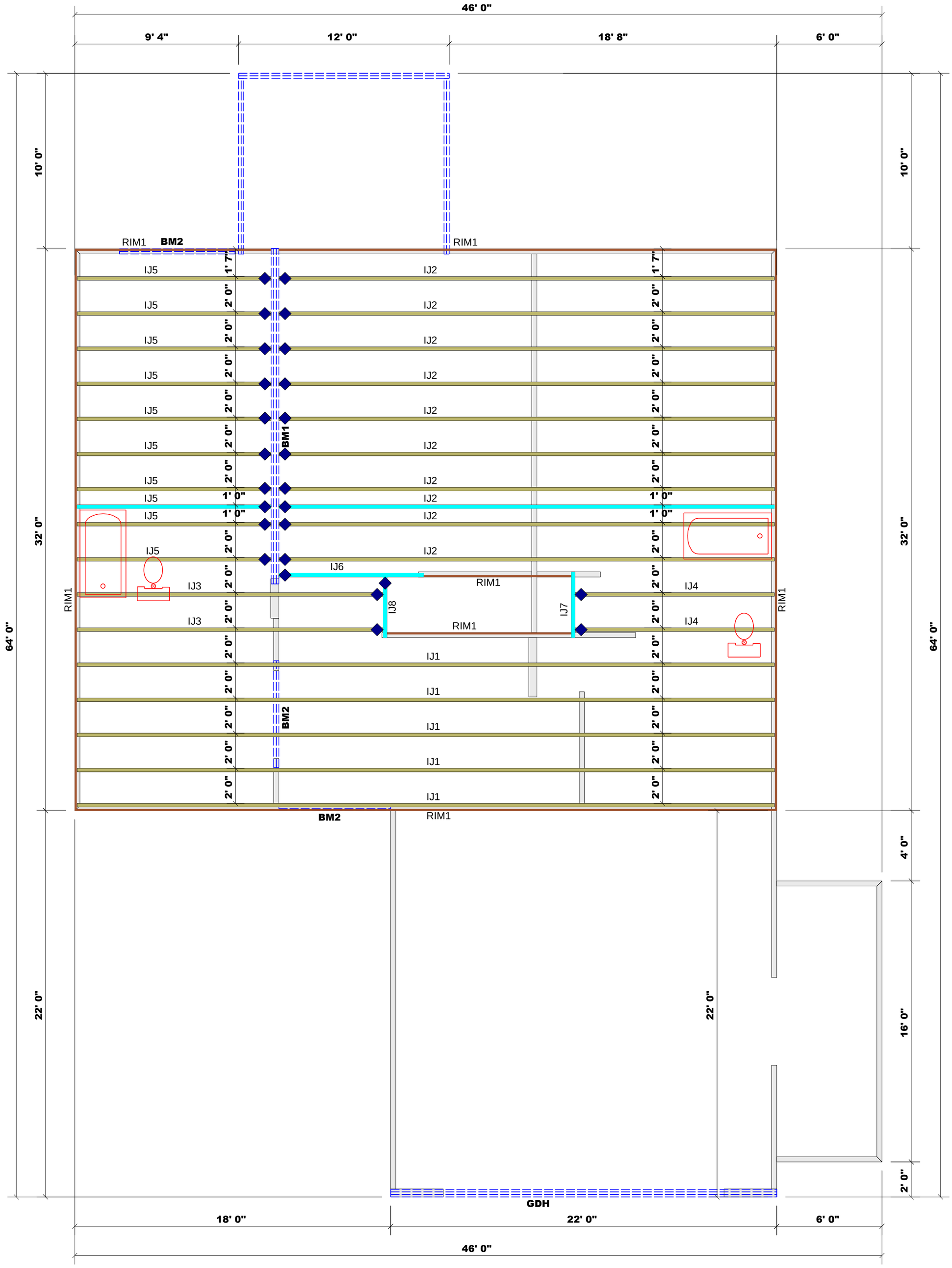

I-Joist Legend					
PlotID	Length	Product	Plies	Net Qty	Fab Type
IJ1	39' 8 13/16"	BLI 40 14"	1	5	FF
IJ2	28' 3"	BLI 40 14"	1	10	FF
IJ3	17' 5 7/16"	BLI 40 14"	1	2	FF
IJ4	11' 4 1/2"	BLI 40 14"	1	2	FF
IJ5	11' 0 3/4"	BLI 40 14"	1	10	FF
IJ6	8' 3"	BLI 40 14"	1	1	FF
IJ7	3' 9"	BLI 40 14"	1	1	FF
IJ8	3' 5 5/8"	BLI 40 14"	1	1	FF
RIM1	12' 0"	1 1/8" x 14" Rim Board	1	14	FF
	2' 11 1/2"	Backer Blocks (BLI 40 14")	1	2	Other
	2' 0 3/4"	Backer Blocks (BLI 40 14")	1	2	Other
	1' 3 3/4"	Backer Blocks (BLI 40 14")	1	2	Other
	1' 2 1/2"	Backer Blocks (BLI 40 14")	1	2	Other
	1' 1"	Backer Blocks (BLI 40 14")	1	2	Other
	1' 0 3/4"	Backer Blocks (BLI 40 14")	1	2	Other
		Web Stiffeners (BLI 40 14")	1	50	Other

Hatch Legend	
	Extra I-Joist

Truss Placement Plan
SCALE: 1/4" = 1'

HANGER LEGEND

◆ = USP IHF2514 / Single I-Joist Hanger

Beam Legend					
PlotID	Length	Product	Plies	Net Qty	Fab Type
BM2	7' 0"	1-3/4"x 9-1/4" LVL Kerto-S	2	6	FF
GDH	22' 0"	1-3/4"x 11-7/8" LVL Kerto-S	3	3	FF
BM1	20' 0"	1-3/4"x 18" LVL Kerto-S	3	3	FF

LOAD CHART FOR JACK STUDS

(BASED ON TABLES R502.5(1) & (b))

NUMBER OF JACK STUDS REQUIRED @ EA END OF HEADER/GIRDER

END REACTION (UP TO)	REQ'D STUDS FOR (3) PLY HEADER	END REACTION (UP TO)	REQ'D STUDS FOR (3) PLY HEADER	END REACTION (UP TO)	REQ'D STUDS FOR (4) PLY HEADER
1700	1	2550	1	3400	1
3400	2	5100	2	6800	2
5100	3	7650	3	10200	3
6800	4	10200	4	13600	4
8500	5	12750	5	17000	5
10200	6	15300	6		
11900	7				
13600	8				
15300	9				

BUILDER	Cates Building	**CITY / CO.**	Lillington / Harnett
JOB NAME	Lot 102 Ducks Landing	**ADDRESS**	451 Black Duck Ln.
PLAN	CC-2560 / 2ND FLOOR I-JOIST	**MODEL**	31500
SEAL DATE	2/1/21	**DATE REV.**	06/03/25
QUOTE #		**DRAWN BY**	Curtis Quick
JOB #	J0325-1596	**SALES REP.**	Scot Duncan

THIS IS A TRUSS PLACEMENT DIAGRAM ONLY.
These trusses are designed as individual building components to be incorporated into the building design at the specification of the building designer. See individual design sheets for each truss design identified on the placement drawing. The building designer is responsible for temporary and permanent bracing of the roof and floor system and for the overall structure. The design of the truss support structure including headers, beams, walls, and columns is the responsibility of the building designer. For general guidance regarding bracing, consult BCSI-B1 and BCSI-B3 provided with the truss delivery package or online @ sbcindustry.com

Bearing reactions less than or equal to 3000# are deemed to comply with the prescriptive Code requirements. The contractor shall refer to the attached Tables (derived from the prescriptive Code requirements) to determine the minimum foundation size and number of wood studs required to support reactions greater than 3000# but not greater than 15000#. A registered design professional shall be retained to design the support system for any reaction that exceeds those specified in the attached Tables. A registered design professional shall be retained to design the support system for all reactions that exceed 15000#.

Signature Curtis Quick
Curtis Quick

comTECH
ROOF & FLOOR TRUSSES & BEAMS
Reilly Road Industrial Park
Fayetteville, N.C. 28309
Phone: (910) 864-8787
Fax: (910) 864-4444