

D·Z·A
ASSOCIATES, INC.

IL REG. # 104-001714 Suite 2333
2625 Butterfield Road Oak Brook, Illinois 60533
Phone 630-530-1020 www.dzainc.com

© 2009 D-Z-A ASSOCIATES, INC.
THE ARCHITECT SHALL BE OBTAIN THE AUTHOR OF
THESE DOCUMENTS AND SHALL BE RESPONSIBLE FOR
REVISIONS AND OTHER MATTERS, INCLUDING COPYRIGHT.

No.	Description	Date
▲	ISSUED FOR BID AND PERMIT	10/16/20

ROOF PLAN NOTES:

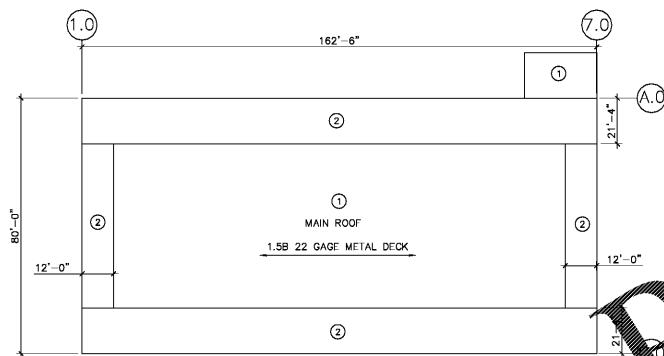
- SEE SHEET S1.1 FOR GENERAL NOTES & TYPICAL DETAILS.
- J.B.E. EQUALS JOIST BEARING ELEVATION.
- METAL ROOF DECK SHALL BE 36" WIDE, 1 1/2" DEEP, (PAINTED) TYPE B WIDE RIB ROOF DECK. FOR DIAPHRAGM FASTENING TO FRAMING MEMBERS AND DECK GAGE SEE SCHEDULE.
- STEEL JOIST CAMBER SHALL BE PROVIDED AND SHALL CONFORM TO THE SJI SPECIFICATIONS.
- APPROXIMATE TOTAL WEIGHTS OF ROOF TOP EQUIPMENT ARE SHOWN ON PLAN. VERIFY ALL LOADS, LOCATIONS, CURB SIZES AND OPENING SIZES WITH MECHANICAL CONTRACTOR PRIOR TO FABRICATION. SEE TYPICAL RTU SUPPORT DETAIL FOR FRAMING.
- JOIST BRIDGING SHALL BE PROVIDED IN ACCORDANCE WITH THE SJI SPECIFICATION. IF THE CROSS BRIDGING, HORIZONTAL BRIDGING OR/AND UPLIFT BRIDGING IS INTERRUPTED BY AN OBSTRUCTION, ADDITIONAL BRIDGING SHALL BE PLACED PER DIRECTION OF THE JOIST SUPPLIER.

DEAD LOADS		MAIN ROOF LOADS	
MEMBRANE (UNBALLASTED)	= 2.0 PSF	INSULATION	= 3.0 PSF
METAL DECK	= 2.0 PSF	JOISTS	= 3.0 PSF
BEAMS	= 3.0 PSF	WEIGHT, E.L.C., /TIRE PROT. /MISC.	= 3.0 PSF
TOTAL DEAD LOAD	= 16.0 PSF	LIVE LOADS	
		METAL DECK	= 20 PSF
		SNOW LOADS	
		GROUND SNOW LOAD, P _g	= 5 PSF
		EXPOSURE FACTOR, C _e	= 1.0
		LOAD IMPORTANCE FACTOR, I	= 1.0
		DESIGN ROOF SNOW LOAD	= 5 PSF (OR) 1
		UPLIFT DUE TO WIND	
GROSS UPLIFT		METAL DECK	= 22 PSF
JOISTS/BEAMS/COLUMNS/FOUNDATIONS	= 22 PSF	NET UPLIFT	
JOISTS	= 13 PSF		

ROOF DIAPHRAGM DIAGRAM SCHEDULE

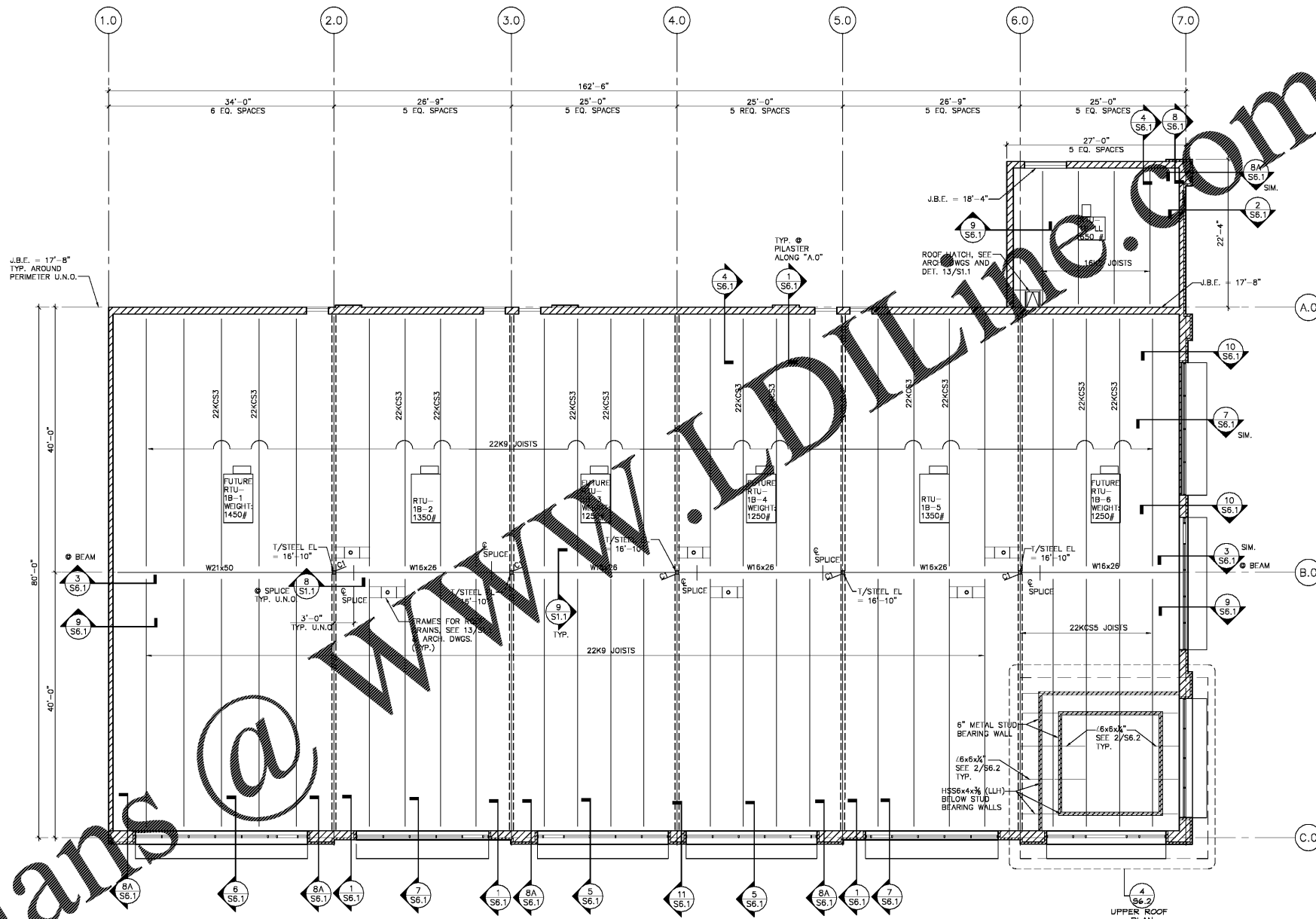
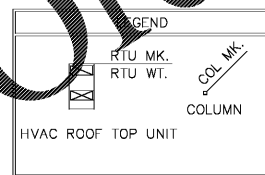
ZONE	NO./CONNECTORS TO STL SUPPORT PER 36" WIDE DECK	NO./SIDELAP SCREWS BETWEEN STL SUPPORTS
①	4	4
②	7	7

- NOTES:**
- THE CONTRACTOR SHALL PROPERLY INSTALL SIDE LAP SCREWS PER MANUFACTURER'S SPECIFICATIONS SO THE SCREWS DEVELOP SHEAR AS LISTED IN STEEL DECK INSTITUTE DESIGN MANUAL, SECOND EDITION.
 - AT LEDGER AT THE PERIMETER OF BLDG SHALL BE CONNECTED @ 6" O.C.
 - SEE GENERAL NOTES FOR CONNECTORS SIZE.



ROOF DIAPHRAGM PLAN

COLUMN SCHEDULE			
MK	SIZE	BASE PLATE	ANCHOR BOLTS
C1	HSS 6 x 6 x 1/4	18" x 12" x 1"	3/4" #



1 ROOF FRAMING PLAN—RETAIL 1B
SCALE: 1/8" = 1'-0"



PLAN NORTH

STRUCTURAL ENGINEER
GreenbergFarrow
1430 West Peachtree St. NW
Suite 200
Atlanta, GA 30309
T: 847 788 9200

Salem Gate
Market

RETAIL 1B

CONYERS, GEORGIA

ROOF PLAN

Date	Drawn By	Check By	Scale	Sheet No.
10/16/20	C.Y.	M.H.		S3.1 (1)