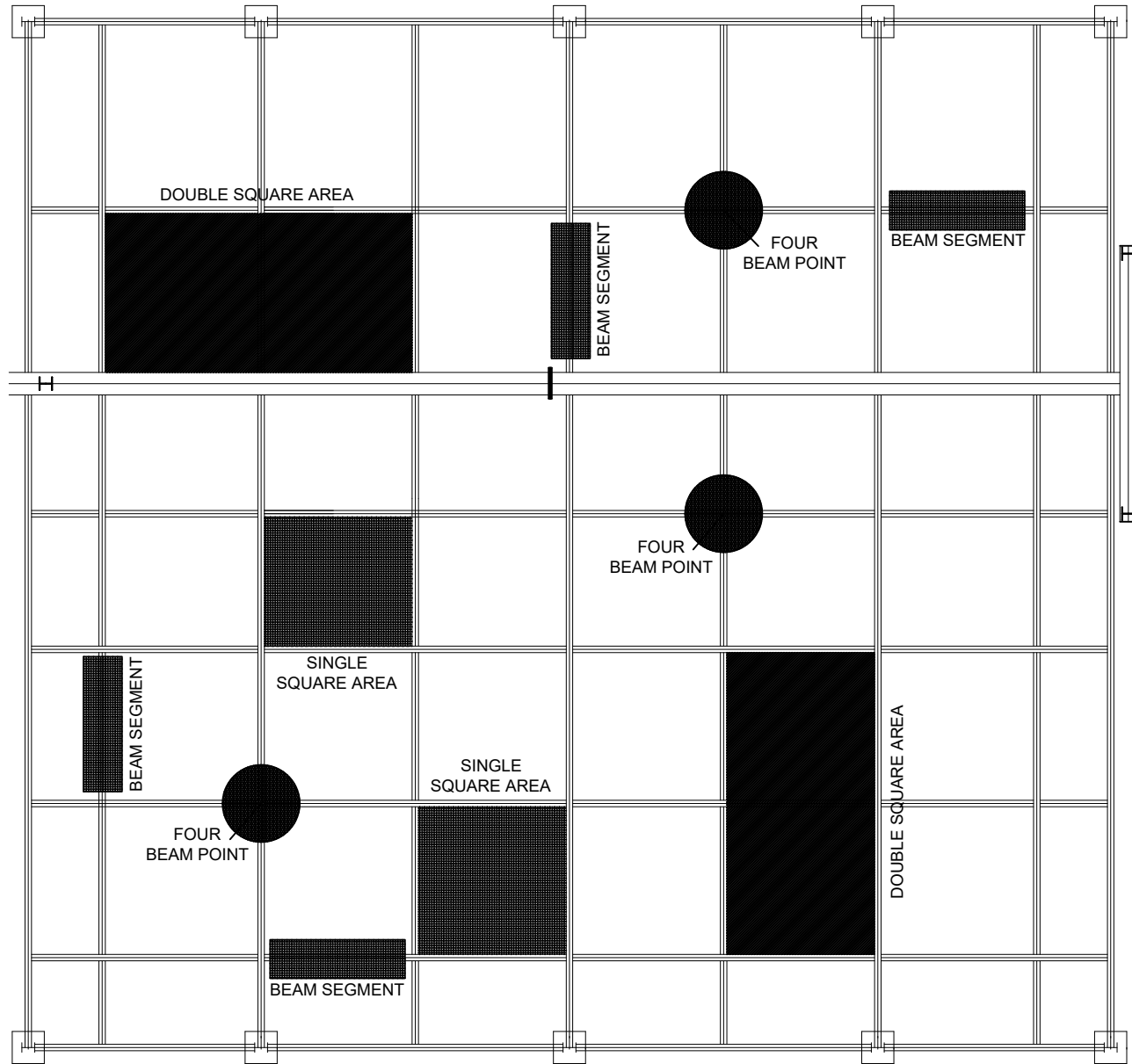
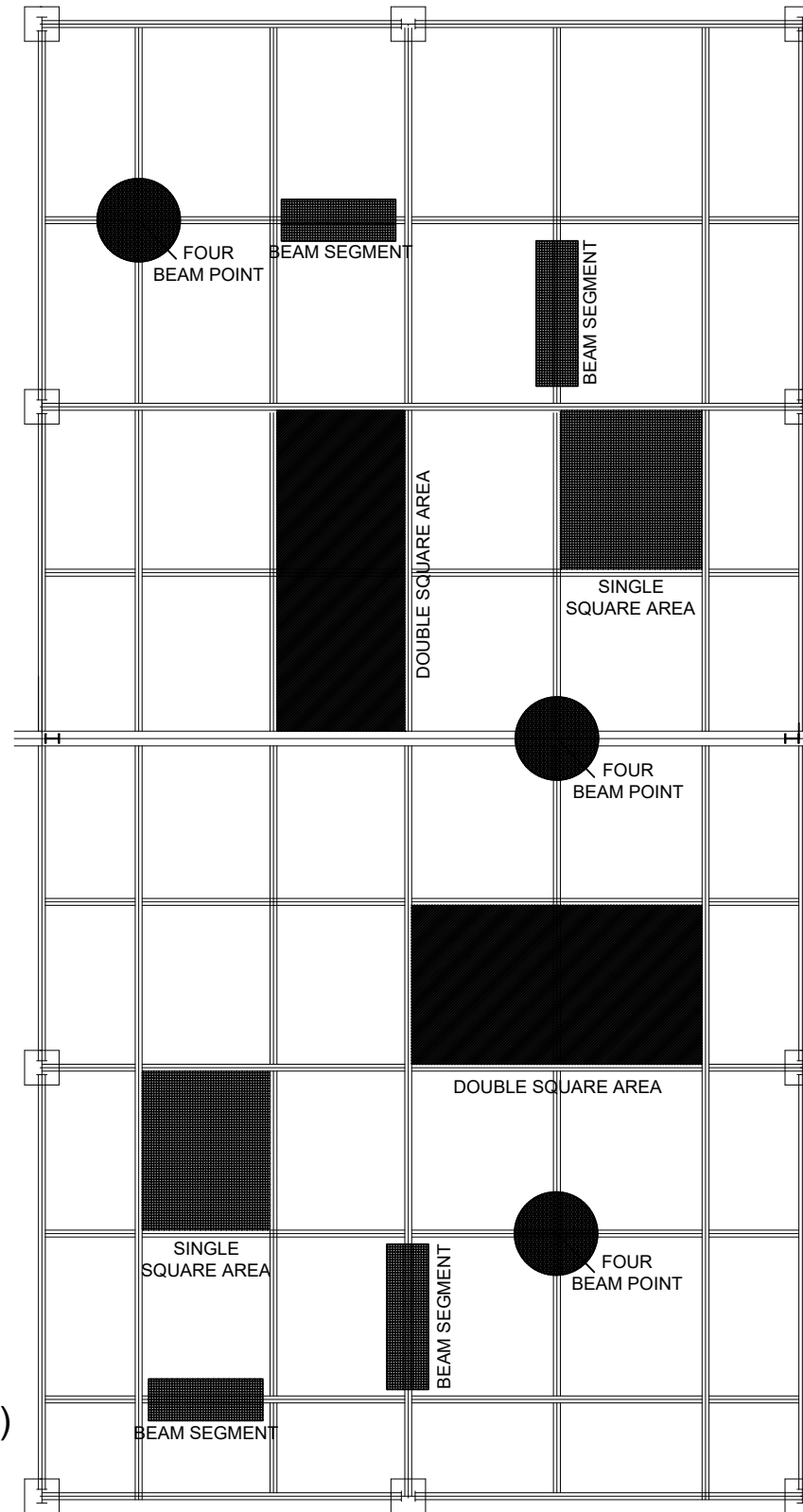


# STAGE ROOM # 1



# STAGE ROOM # 2



STAGE ROOM 1 & 2: STANDARD DISTRIBUTED LOADING 65#/LF ALL BEAMS  
 STANDARD LIFTING CAPACITY OF 20 TONS  
 SPECIAL DESIGNED ENGINEERED CAPACITY OF 30+ TONS

### LIMITATIONS AS FOLLOWS:

- A: ANY SINGLE BEAM SEGMENT LOAD NOT TO EXCEED 1,000# (1/2 TON POINT LOADS)
- B: SUM OF BEAM LOADS OF ANY 'SINGLE SQUARE AREA' NOT TO EXCEED 3,000#
- C: SUM OF BEAM LOADS OF ANY 'FOUR BEAM POINT' NOT TO EXCEED 3,000#
- D: SUM OF BEAM LOADS OF ANY 'DOUBLE SQUARE AREA' NOT TO EXCEED 5,000#

# LOADING DIAGRAMS

### Notes:

**GENERAL**  
 THESE STRUCTURAL DRAWINGS ARE TO BE USED IN CONJUNCTION WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS. REFERENCE MUST BE MADE TO ALLOW ALL BID DOCUMENTS AS WELL AS THE PROJECT SPECIFICATIONS. DISCREPANCIES SHALL BE RESOLVED BEFORE PROCEEDING WITH CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER IMMEDIATELY OF ANY DISCREPANCIES TO AVOID THE POSSIBILITY OF UNNECESSARY FUTURE PROBLEMS AND POSSIBLE FIELD ORDERS. FAILURE TO DO SO WILL PLACE THE RESPONSIBILITY OF CORRECTION ON THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE ALL WORK OF ALL TRADES AND MAKE NECESSARY INVESTIGATIONS AND FIELD MEASUREMENTS AS REQUIRED.

**EXCAVATION**  
 EXCAVATION AS REQUIRED FOR FOUNDING OF FOOTINGS ON UNDISTURBED SOIL OR PROPERLY PLACED STRUCTURAL FILL OF REFERENCED MINIMUM BEARING CAPACITY. MAINTAIN ALL EXCAVATIONS FREE OF WATER CONTINUOUSLY. BACKFILL ON INSIDE OF BUILDING WITH COMPACTED GRANULAR FILL PLACED IN MAX 10' LOOSE LIFTS COMPACTED TO 95% OF MAXIMUM DENSITY.

**NOTE:** NO GEOTECH SOILS REPORT WAS AVAILABLE FOR DEVELOPMENT OF THESE DESIGNS. A MAXIMUM 2,500 PSF BEARING USED IN DESIGN.

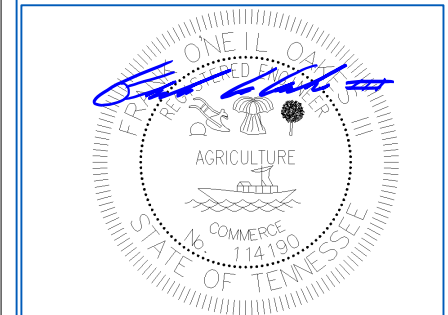
**CONCRETE**  
 ALL REINFORCED CONCRETE WORK SHALL BE PER BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE [ACI 318 - CODE REFERENCED EDITION]. ALL CONCRETE SHALL BE NORMAL WEIGHT 4,000 PSI ULTIMATE STRENGTH AT 28 DAYS. ALL REINFORCING STEEL BARS SHALL BE ASTM A615, GRADE 60 (Fy=60ksi). ALL WELDED WIRE MESH SHALL BE ASTM A185.

SEE DRAWINGS FOR FURTHER SIZING AND SECTIONS.

**STRUCTURAL STEEL**  
 ALL STRUCTURAL STEEL WORK SHALL CONFORM TO THE AISC 360 (CODE REFERENCED EDITION). ALL STRUCTURAL SHAPES AND PLATES SHALL BE MINIMUM ASTM A992 (Fy=50ksi). ALL BOLTS SHALL BE A325 U.N.O. BOLT TIGHTENING SHALL COMPLY WITH TURN OF NUT METHOD.

**ANCHOR RODS**  
 ALL ANCHOR RODS SHALL BE A MINIMUM OF ASTM F1554 GRADE 36. EPOXY PER MANUFACTURES RECOMMENDATIONS - 10' MIN DEPTH

**QUICK BOLT ANCHOR STUDS**  
 ALL QUICK BOLT STYLE ANCHOR RODS SHALL BE 1/2" INSTALLED PER MFG.



3	ADD BEAMS FOR NEW AREA	FOO	08/05/20
REV: DESCRIPTION: BY: DATE:			
STATUS: FINAL DRAWING			

Oakleaf Engineering, LLC  
 109 Philadelphia Place  
 Hendersonville, TN 37075

CLIENT: NOVE ENTERTAINMENT  
 1415 HEIL QUAKER BLVD  
 LA VERGNE, TN

SITE: 1415 HEIL QUAKER BLVD  
 LA VERGNE, TN 37086

TITLE: LAYOUT PLAN

SCALE AT A3:	DATE: 08/05/20	DRAWN: FOO	CHECKED: FOO
PROJECT NO: 19-0001	DRAWING NO: S-006	REVISION: 3	