ASSEMBLY DRAWINGS FOR A
8'-0" W X 21'-0" H X 8'-0" L
MEZZANINE STRUCTURE
FOR
DEALER:
JOB NAME:
LOCATION:

IMPORTANT MANUFACTURER’S DISCLAIMERS

1. The manufacturer has designed and engineered this system specifically, as stated
   in the Mezzanine Notes section. Variations and specifications to the system or
   components will void and nullify any and all warranties, both written and/or implied,
   and liability for defects in this system and its components. Manufacturer further
   accepts no responsibility and/or liability for obtaining or maintaining an local,
   regional or national building permit, inspections or documents that may be required.

2. This mezzanine has (or has been) engineered structurally only. It is the responsibility
   of the buyer to verify that when this mezzanine is installed, the building that houses
   it is in compliance with local safety codes which address wind, snow, fire ratings, sprinklers,

MEZZANINE NOTES

1. STRUCTURE:
   A. MEZZANINE LOCATION
   B. THE STRUCTURE OF THIS MEZZANINE HAS BEEN DESIGNED IN CONFORMANCE WITH THE APPROPRIATE BUILDING
      CODES, 2009 INTERNATIONAL BUILDING CODE, DOUB Assembly Code, AS OF THE DATE OF THIS DRAWING.
   C. LIVE LOAD - 50 PSF UNIFORM, LESS THAN 1/860
   D. DEAD LOAD - 18 PSF
   E. SEATING CLASS: CATEGORY A
   F. HAND LOAD - NO HAND LOAD - SECOND STORY - EXPOSURE C
   G. SIGN LOAD - 20 PSF ROOF LOAD

2. FOUNDATION RESPONSIBILITY:
   A. FOUNDATIONS MAY BE EXISTING CONCRETE FLOOR SLAB OR ISOLATED CONCRETE FOOTINGS. THE STRUCTURAL
      STABILITY OF THE FOUNDATION IS TO BE DETERMINED BY OTHERS USING SDOCC ENGINEERING PRACTICES.
   B. EXISTING STRENGTH PARAMETERS OF CONCRETE, REINFORCING STEEL AND MUL BEARING CAPACITY SHOULD
      BE ANALYZED IN THE DESIGN.
   C. MAXIMUM POUR LOAD - 1000 LB./SQR. FT. (DOOR 2 X 100 SQ. FT. BASE PLATES)

3. STRUCTURAL MATERIAL SPECIFICATIONS:
   A. FLOORING - 1" X 6" BAR GRATE ON LANDING ONLY
   B. HIDE PLANK, STEEL BEAM - 4X3, 6X3, 8X3, 10X3, 12X3, 16X3, 20X3, 24X3
   C. STEEL CONSUMABLES: PT 606 1/2X1/4
   D. ANCHOR BOLTS: SUPPLIED BY OTHERS (SEE BASE PLATE LAYOUT ON PAGE 3 OF 5)

4. BOLT INSTALLATION:
   A. BOLTS FOR STRUCTURAL CONNECTIONS SHALL BE SUB-DIAMETER ARMS IN BEARING-TYPE CONNECTIONS.
   B. BOLTS WILL NOT BE TIGHTENED UNTIL ALL HUSKS ARE EXTRACTED AND SADDLE TIGHT TO THE BEARING SURFACES.
   C. OVERALL INSTALLATION OF THE STRUCTURAL SYSTEM IS TO BE PROVIDE BY A LICENSED CONTRACTOR.

5. STAIR, LANDINGS & GUARDRAIL DESIGN:
   A. THE STAIRS, LANDINGS, 24/7 GUARDRAILS AND 24/7 STAIR RAILS MOUNTED WITH THIS MEZZANINE
      HAVE BEEN CONSTRUCTED IN CONFORMANCE WITH CSA. THEY HAVE ALSO BEEN DESIGNED TO COMPLY WITH THE
      2009 INTERNATIONAL BUILDING CODE EXCEPT THAT THE 24/7 STAIR RAIL WILL ALSO SERVE AS THE GUARDRAIL
      AS PERMITTED BY CANADA'S NATIONAL AND INTERNATIONAL BUILDING CODE.
   B. Certification OF THIS MEZZANINE MEETS ALL STANDARDS AND SAFETY CODES AS REQUIRED BY THE
      LOCAL MX, L. D. R. R. AND THE FMQR OCCUPANCY CODE.
   C. MAXIMUM HEIGHT 36" STAR TREAD DEPTH 6 1/2"
   D. 2 RAIL STAIR RAIL HEIGHT 48"
   E. 2 RAIL GUARDRAIL HEIGHT 42"

6. CALIFORNIA:
   A. COLUMNS, BEAMS, STAIRS, LANDINGS, AND LANDING COLUMNS: SALVAGED
   B. GUARDRAILS AND STAIR RAILS: SALVAGED
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<td>FLOOR LOADING LABELS - 50 PSF</td>
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**MATERIAL LIST**

**Hardware Location and Use**

- **Beam Web to Beam Angle Clip, Beam Web to Column Tee, Beam Bot Flange to 5/8" Thick Column Seats, Diagonal Bracing, & Landing Knee Bracing**:
  - Bolt, 5/8" x 1 3/4"
  - Bolt, 5/8" x 1 1/2"

- **Purlin Connection, Diagonal Bracing, & Landing Knee Bracing**:
  - Bolt, 5/8" x 1 3/4"

- **Landing Columns to Landing, Stair to Landing, Landing to Stair Bracket, and Stair to Landing to Stair Bracket**:
  - Bolt, 5/8" x 1 1/2"

- **Stair Rails to Stair Stringer**:
  - Bolt, 1/2" x 1"
  - Bolt, 1/2" x 1 1/2"

- **Guardrails to Landing Column and Stair Rails to Landing Columns**:
  - Bolt, 1/2" x 1 1/2" and Bolt, 1/2" x 1 1/2"

- **Touching Up Scratches and Nicks**:
  - Touching up scratches and nicks

- **Capacity Labels to Be Located Near Stairs and Gate Openings**:
  - Capacity labels to be located near stairs and gate openings.
BASE PLATE LAYOUT

BASE REACTIONS:
- JIPLET = 2000 LBS PER COLUMN
- GRAVITY = 1000 LBS PER COLUMN
- BASE SHEAR = 1000 LBS PER COLUMN

Design of supporting foundations, and the anchorage of the structures to these foundations shall be the responsibility of the owner. For coordination purposes, these drawings include calculated column base reactions, and base plate details for anchor bolt layout.
FLOOR PLAN LAYOUT

ALL GUSSETS ARE SQUARE 5" x 5" x 3 1/2" STEEL BASE PLATES 3/8" x 3/8" x 1/2".

THE BUILDING NEEDS TO BOLT TO THE MEZZANINE BEAMS AT THREE LOCATIONS.

BEAMS ARE TO BE PRE-DRILLED WITH 1/8" HOLE, EQUALLY SPACED IN ALL 30 BEAMS. NUTS IN BASE OF BUILDING WILL NEED TO BE PRE-DRILLED USING THE BEAM HOLE AS A GUIDE. BOLTS THE BUILDING TO THE BEAMS WITH 1/4" BOLTS SUPPLIED BY THE BUILDING.

ALL STEEL WILL HAVE BAR GRATE THREADS.

BAR GRATE ON LANDING ONLY
BRACING ITEM NUMBER LAYOUT

MEZZANINE COLUMN

BEAM OR GIRDERS

5/8" x 1 3/4" ASSY. BOLTS MANDS

BRACE CONNECTION AT BEAM

MEZZANINE COLUMN

5/8" x 1 3/4" ASSY. BOLTS MANDS

COLUMN INTERMEDIATE BRACE CONNECTION

MEZZANINE COLUMN

5/8" x 1 3/4" ASSY. BOLTS MANDS

COLUMN BRACE CONNECTION AT BASE PLATE