



EXISTING ROOF FRAMING PLAN

1/4" = 1'-0"

GOVERNING CODE: 2009 INTERNATIONAL BUILDING CODE

DESIGN LOADS:

ROOF LIVE LOADS: (IN ACCORDANCE WITH 1607.11)

- FLAT ROOFS 20 PSF

SNOW LOADS: (IN ACCORDANCE WITH 1608)

- GROUND SNOW LOAD (Pg) 60 PSF
- FLAT ROOF SNOW LOAD (Pf) 42 PSF
- SNOW EXPOSURE FACTOR (Ce) 1.0
- SNOW LOAD IMPORTANCE FACTOR (Is) 1.0
- THERMAL FACTOR (Ct) 1.0

WIND LOADS: (IN ACCORDANCE WITH 1609)

- BASIC WIND SPEED (V) 90 MPH (ULTIMATE)
- WIND IMPORTANCE FACTOR (Iw) 1.0
- EXPOSURE CATEGORY EXPOSURE 'B'
- INTERNAL PRESSURE COEFFICIENT (Gcpi) +/- 0.18

SEISMIC LOADS: NON-STRUCTURAL COMPONENTS (IN ACCORDANCE WITH CHAPTER 13 OF ASCE 7)

- COMPONENT IMPORTANCE FACTOR (Ip) 1.0
- Rp PER TABLE 13.5-1 OR 13.6-1 VARIES FROM 1.0 TO 12.0
- Sp PER TABLE 13.5-1 OR 13.6-1 VARIES FROM 1.0 TO 2.5
- Sds 0.325

- ROOF FRAMING NOTES:**
1. INDICATES MECHANICAL LOADS SUPPORTED ON ROOF. COORDINATE THE SIZE, LOCATION, AND WEIGHT OF ALL UNITS WITH THE MECHANICAL CONTRACTOR. PROVIDE A ROOF FRAME AT UNIT CURBS SIMILAR TO SECTIONS 1/S300 AND 2/S300, AND REINFORCE JOISTS AT CONCENTRATED LOAD SUPPORT LOCATIONS PER SECTION 4/S300. PROVIDE RTU CURB TO MATCH SLOPE OF ROOF STRUCTURE (FIELD VERIFY ROOF SLOPE) TOP SURFACE SHALL BE LEVEL FOR MOUNTING OF EQUIPMENT TO ENSURE PROPER DRAINAGE OF EQUIPMENT.
 2. INDICATES ROOF OPENING. DETERMINE EXACT SIZE AND LOCATION FROM ARCHITECTURAL AND MECHANICAL DRAWINGS. PROVIDE A FRAME PER SECTION 6/S300, AT ALL OPENINGS GREATER THAN 6" PERPENDICULAR TO THE DECK SPAN.
 3. CONTRACTOR IS RESPONSIBLE FOR STRUCTURAL INTEGRITY AND STABILITY OF EXISTING STRUCTURE DURING DEMOLITION AND NEW CONSTRUCTION.
 4. EXISTING PORTIONS OF PLANS ARE FROM ORIGINAL CONSTRUCTION DRAWINGS, FIELD INSPECTIONS, OR ENGINEERING ASSUMPTIONS. ALL EXISTING MATERIAL, DIMENSIONS, ELEVATIONS, AND GENERAL CONDITIONS OF THE BUILDING SHALL BE VERIFIED BEFORE PURCHASE OF MATERIAL AND CONSTRUCTION. IF ANY DISCREPANCIES ARE FOUND BETWEEN WHAT IS SHOWN ON THE PLANS AND WHAT EXISTS IN THE FIELD, CONTRACTOR SHALL CONTACT CONSTRUCTION MANAGER AND ARCHITECT TO DETERMINE WHAT SHOULD BE DONE TO MATCH EXISTING CONDITIONS AS REQUIRED. BEGINNING OF STEEL FABRICATION MEANS ACCEPTANCE OF EXISTING CONDITIONS.

- CONSTRUCTION FIRE PROTECTION NOTE**
- DURING WELDING OR ANY OTHER CONSTRUCTION ACTIVITY THAT GENERATES SPARKS OR INTENSE HEAT, THE GENERAL CONTRACTOR SHALL PROVIDE ADEQUATE FIRE PROTECTION TO THE EXISTING STRUCTURE AND CONTENTS.
- AS A MINIMUM:
1. REMOVE COMBUSTIBLE MATERIALS FROM AREAS OF WELDING SPARKS
 2. PROVIDE FIRE PROOF BLANKETS AND SHIELDS TO CONTAIN SPARKS WHERE COMBUSTIBLE MATERIALS CANNOT BE REMOVED.
 3. PROVIDE A FIRE SAFETY OBSERVER WITH A FIRE EXTINGUISHER ON BOTH THE ROOF AND BELOW THE ROOF DURING WELDING NEAR THE ROOF STRUCTURE.



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