

ABBREVIATIONS (NOT ALL ABBREVIATIONS USED)
#XX NUMBER ABOVE FINISHED FLOOR
A.F.F. ABOVE FINISHED FLOOR
ADDL ADDITIONAL ADJACENT

STRUCTURAL DESIGN CRITERIA - WASH BAY
BUILDING CODE: 2021 ARKANSAS FIRE PREVENTION CODE (BASED ON 2021 IBC)
RISK CATEGORY (2021 IBC TABLE 1604.5): II
GRAVITY LOADS (REFERENCE: 2021 IBC & ASCE 7-16):

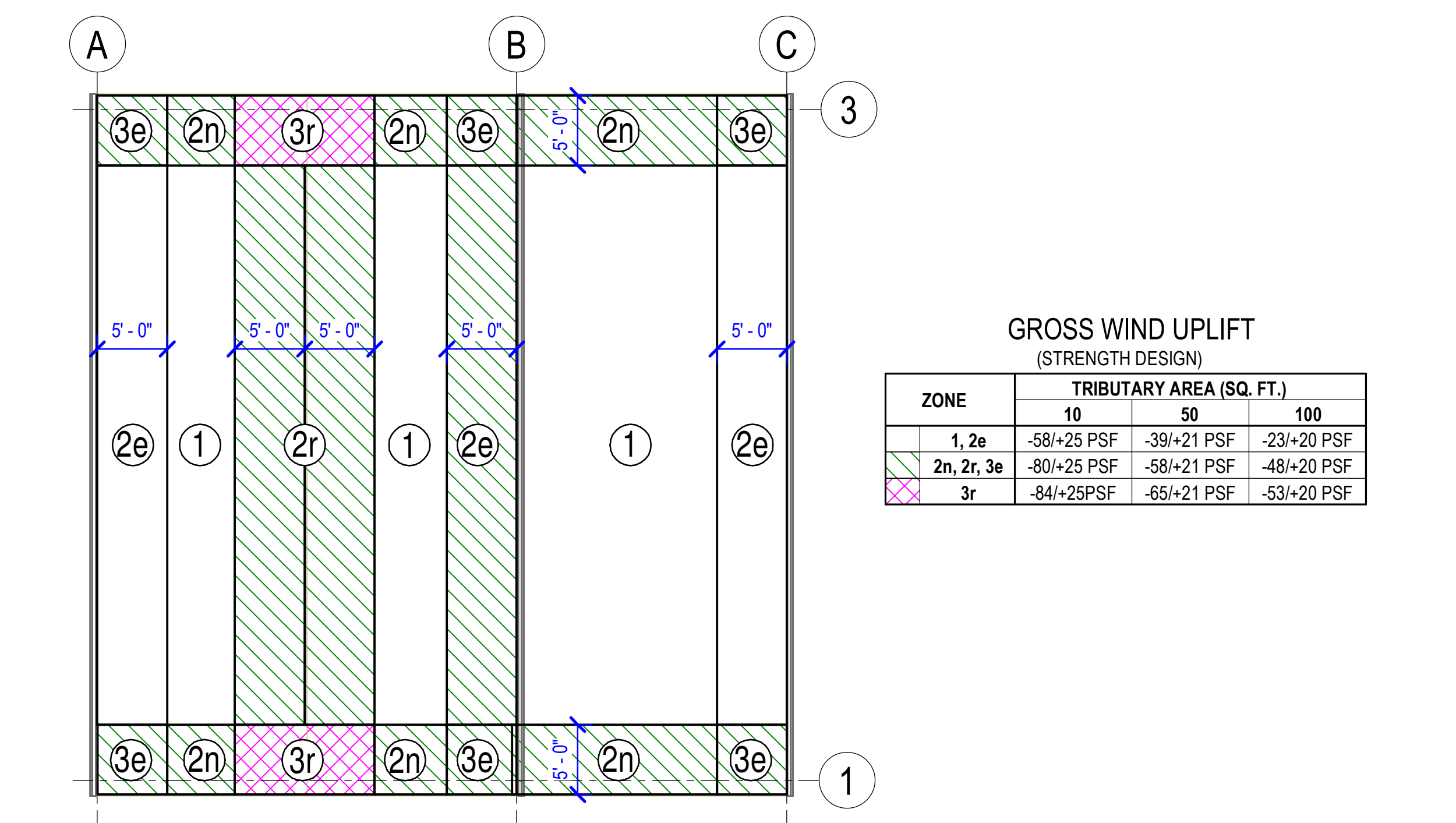
STRUCTURAL DESIGN APPROACH - WASH BAY
THE WASH BAY BUILDING IS A SINGLE STORY METAL BUILDING SYSTEMS CONSTRUCTED FROM A STANDING SEAM METAL ROOFING SYSTEM SUPPORTED BY COLD-FORMED PURLINS AND RIGID FRAMES.

SYSTEMS AND COMPONENTS REQUIRING SPECIAL INSPECTION: SEE SPECIFICATION SECTION 014533
#XX NUMBER ABOVE FINISHED FLOOR
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ADDL ADDITIONAL ADJACENT

- A. CONTRACTOR DELEGATED DESIGN COMPONENTS:
1. THE FOLLOWING ITEMS ARE NOTED AS A DELEGATED DESIGN COMPONENT AND SHALL BE DESIGNED BY THE CONTRACTOR. THE CONTRACTOR SHALL EMPLOY A SPECIALTY STRUCTURAL ENGINEER LICENSED IN THE STATE OF ARKANSAS TO DESIGN THE FOLLOWING ITEMS:
a. METAL BUILDING SYSTEMS
2. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND CALCULATIONS FOR EACH DELEGATED DESIGN COMPONENT...

- H. METAL BUILDING SYSTEMS:
1. THE METAL BUILDING SYSTEM MANUFACTURER SHALL BE IAS AC472 ACCREDITED AND A MEMBER OF MBMA.
2. THE METAL BUILDING SYSTEM MANUFACTURER SHALL:
a. DESIGN THE METAL BUILDING SYSTEM FOR THE LOADS AND DESIGN CRITERIA SHOWN ON THE PLANS AND IN SPECIFICATIONS. ALL STEEL FABRICATION AND ERECTION SHALL BE IN ACCORDANCE WITH THE AISC CODE OF STANDARD PRACTICE...

COMPONENTS AND CLADDING WIND PRESSURES - WASH BAY



GROSS WIND UPLIFT (STRENGTH DESIGN)
ZONE 10 50 100
1, 2e -58/+25 PSF -39/+21 PSF -23/+20 PSF



COMPONENTS AND CLADDING WALL WIND PRESSURES
ZONE 10 50 100
4 -35/+33 PSF -33/+31 PSF -32/+29 PSF

- NOTES:
1. WIND PRESSURES ARE BASED ON ASCE 7-16 STRENGTH DESIGN (ULTIMATE).
2. POSITIVE / NEGATIVE VALUES INDICATE FORCES ARE ACTING TOWARDS / AWAY FROM ELEMENT, RESPECTIVELY.

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SHERWOOD
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CONSTRUCTION DOCUMENTS
11-05-2024 ADD 002
09-23-2024
STRUCTURAL DESIGN CRITERIA AND GENERAL NOTES
S-001