

(UNLESS OTHERWISE NOTED OR SHOWN ON PLAN, THE FOLLOWING NOTES SHALL APPLY)

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- EXISTING CONDITIONS GENERAL NOTES

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- SHORING AND BRACING NOTES

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- ## POST-INSTALLED ANCHOR GENERAL NOTES

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- ## MASONRY GENERAL NOTES

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- |                             |              |
|-----------------------------|--------------|
| CHANNELS .....              | C12x25       |
| W-SHAPES .....              | W16x50       |
| ANGLES .....                | L6x6x1/2     |
| TUBES/HOLLOW SECTIONS ..... | HSS6x1/2     |
| PIPES/HOLLOW SECTIONS ..... | 6" X -STRONG |
| WT (TEE'S) .....            | WT8x25       |
- UNLESS OTHERWISE NOTED ALL MEMBERS INDICATED ON PLAN ARE W-SHAPES. FINAL SIZES SHALL BE CONFIRMED BY ENGINEER VIA A REQUEST FOR INFORMATION (RFI) DURING THE BID PERIOD OR DURING THE SHOP DRAWING PHASE. CONTRACTOR SHALL NOT BE ENTITLED TO COSTS FOR REVISIONS TO THE MEMBER SIZE IF AN RFI IS NOT SUBMITTED IN A TIMELY MANNER. STRUCTURAL STEEL SHALL BE PAINTED PER THE PROJECT SPECIFICATIONS.

2018 INTERNATIONAL  
BUILDING CODE

## SEISMIC DESIGN (PER ASCE 7-16 Chapters 11 - 17)

- WIND LOAD

WIND DESIGN (PER ASCE 7-16 Chapters 6)

- |                                |                       | COMPONENTS AND CLADDING WIND PRESSURES (PSF) |                    |                    |                    |                    |
|--------------------------------|-----------------------|--|--------------------|--------------------|--------------------|--------------------|
|                                |                       | EFFECTIVE WIND AREA (SF)                     | 10 SF              | 20 SF              | 50 SF              | 100 SF             |
| VERTICAL PRESSURES<br>(ROOF)   | ZONE 1<br>(INTERIOR)  |  | +10 PSF<br>-25 PSF | +10 PSF<br>-25 PSF | +10 PSF<br>-24 PSF | +10 PSF<br>-23 PSF |
|                                | ZONE 2<br>(PERIMETER) |  | +10 PSF<br>-42 PSF | +10 PSF<br>-38 PSF | +10 PSF<br>-32 PSF | +10 PSF<br>-27 PSF |
|                                | ZONE 3<br>(CORNER)    |  | +10 PSF<br>-63 PSF | +10 PSF<br>-53 PSF | +10 PSF<br>-38 PSF | +10 PSF<br>-27 PSF |
|                                | ZONE 4<br>(INTERIOR)  |  | +25 PSF<br>-27 PSF | +24 PSF<br>-26 PSF | +23 PSF<br>-25 PSF | +21 PSF<br>-23 PSF |
| HORIZONTAL PRESSURES<br>(WALL) | ZONE 5<br>(EXTERIOR)  |  | +25 PSF<br>-34 PSF | +24 PSF<br>-32 PSF | +23 PSF<br>-28 PSF | +21 PSF<br>-26 PSF |

\* THIRD PARTY ENGINEER(S) MAY INTERPOLATE AS REQUIRED  
BASED ON ACTUAL EFFECTIVE WIND AREA OF COMPONENT  
OR CLADDING ELEMENT BEING DESIGNED.

SNOW DESIGN (PER ASCE 7-16 Chapters 7)

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- REBID SUBMISSION  
FEBRUARY 26, 2024


## RECORD REVISIONS



02-26-20

SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

## ARRIS ENGINEERING GROUP, LTD.

667 SOUTH RIVER STREET  
PLAINS, PENNSYLVANIA

## COMMONWEALTH OF PENNSYLVANIA

ENT OF GENERAL  
HARRISBURG, PENNSYLVANIA

D.G.S. PROJECT No. C-0304-0015 PHASE 2


ELIZABETHTOWN TRAINING ACADEMY – RENOVATION  
BOILER PLANT AND DOMESTIC / FIRE PROTECTION

DEPARTMENT of GENERAL SERVICES  
ELIZABETHTOWN, LANCASTER COUNTY, PA

## GENERAL STRUCTURAL NOTES

## VERIFY SCALE

BAR IS ONE (1) INCH LONG  
ON ORIGINAL DRAWING:

0  1  
IF BAR IS NOT ONE (1) INCH LONG

CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS. VARIANCE FROM CONTRACT DOCUMENTS NOT PERMITTED WITHOUT PROFESSIONAL & BUREAU OF CONSTRUCTION APPROVAL.

DRAWN BY	DATE	DRAWING No.
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J. GRAHAM	FEB 2025
CHECKED BY	SCALE

CHECKED BY M. BOWEN	DATE AS NOTED
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