

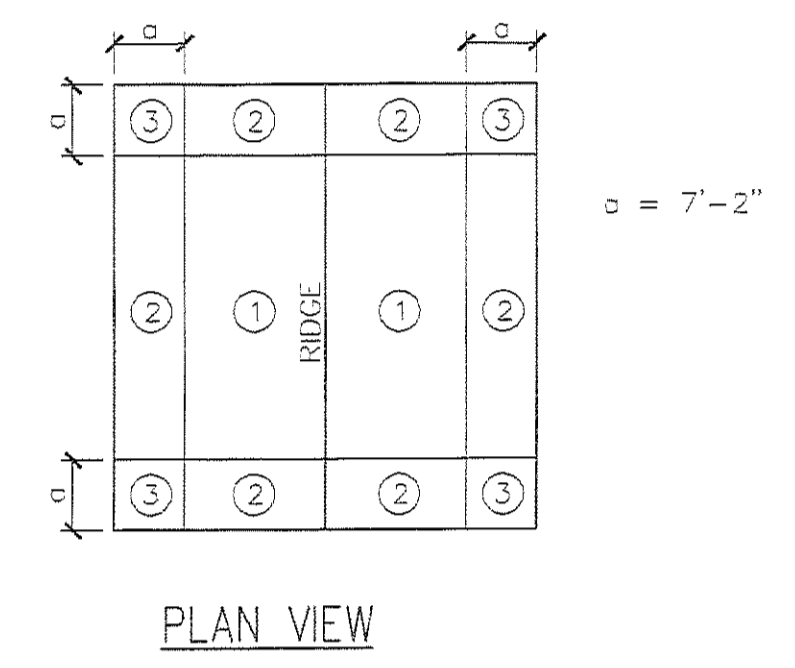
FOUNDATION PLAN NOTES:

- FLOOR SYSTEM SHALL BE 6" THICK CONCRETE, UNO REINF W/ #4 @ 12" OC EW OVER 6 MIL VAPOR BARRIER ON COMPACTED SUBGRADE. SEE "SLAB-ON-GRADE DETAILS" ON SHEET S3.0 FOR PLACEMENT OF REINF.
- 12" SLAB (SEE PLAN) REINF W/ (3) #8 CONT & MECH COUPLERS OVER 6 MIL VAPOR BARRIER ON COMPACTED SUBGRADE. SEE "SLAB-ON-GRADE DETAILS" ON SHEET S3.0 FOR PLACEMENT OF REINF.
- T/ SLAB EL = 0'-0" (MATCH EXISTING). REFERENCE ONLY - SEE CIVIL DWGS FOR ACTUAL ELEVATION.
- SEE "FOUNDATION DESIGN INFORMATION" THIS SHEET FOR NET ALLOWABLE SOIL BEARING PRESSURE.
- SEE "ANCHOR BOLT SCHEDULE" THIS SHEET.
- FOUNDATIONS ARE DESIGNED FOR THE REACTIONS SHOWN IN "REACTION SCHEDULE" THIS SHEET. METAL BUILDING MANUFACTURER TO NOTIFY ENGINEER IF "FINAL REACTIONS" DIFFER SIGNIFICANTLY FROM THOSE SHOWN, CONTRACTOR SHALL BE AWARE THAT THE FOUNDATIONS MAY CHANGE SIZES AFTER "FINAL REACTIONS" ARE PROVIDED BY THE METAL BUILDING ENGINEER. COLUMN BASES ARE ASSUMED "PIN"-CONNECTED. MOMENT-CONNECTED BASES ARE NOT ALLOWED UNLESS SPECIFICALLY NOTED AS SUCH.
- FOR LATERAL DEFLECTION DESIGN CRITERIA, SEE SCHEDULE THIS SHEET.
- COORD ANCHOR BOLTS AND EDGE OF SLAB W/ METAL BLDG SUBMITTALS PRIOR TO CONSTRUCTION.
- REF ARCH DWGS FOR INTERIOR WALL DIMENSIONS, ROOF SLOPES, ELEVATIONS, ETC...
- SEE SHEET S1.0 FOR STRUCTURAL GENERAL NOTES.
- == INDICATES 8" MASONRY "NON-BEARING" WALLS REINFORCED WITH (1) #5 (VERTICAL) IN SOLID CONCRETE FILLED CELLS AT ALL CORNERS, INTERSECTIONS, ENDS OF WALLS AND ADJACENT ALL MASONRY OPENINGS (COORD. SIZES, LOCATION AND ELEVATIONS WITH ARCH'L. DRAWINGS) AND BETWEEN AT 48" OC (MAX). SEE PLAN FOR ADDITIONAL LOCATIONS. TOP OF WALL TO HAVE SINGLE COURSE KO BLOCK W/ (1) #5 CONT, TYP. EXTEND VERTICAL REINFORCING BARS TO KO BLOCK AND TERMINATE WITH STANDARD 90 DEGREE HOOK - 2" CLEAR (MIN.) FROM TOP OF KO.

ROOF NET WIND COMPONENT & CLADDING PRESSURE (PSF)

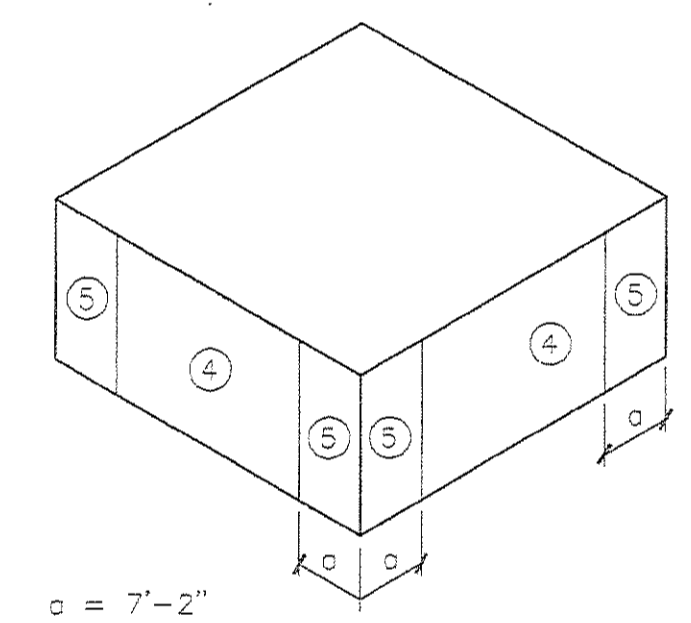
| TRIBUTARY AREA (SQ/FT) | ① | ② | ③ | ① | ② | ③ |
|------------------------|------|------|------|------|------|------|
| | -ve | -ve | -ve | +ve | +ve | +ve |
| 10 | 14.9 | 14.9 | 14.9 | 36.6 | 61.4 | 92.5 |
| 20 | 13.9 | 13.9 | 13.9 | 35.6 | 54.9 | 76.6 |
| 50 | 12.7 | 12.7 | 12.7 | 34.4 | 46.2 | 55.6 |
| 100 | 11.7 | 11.7 | 11.7 | 33.5 | 39.7 | 59.7 |

ROOF NET WIND COMPONENT & CLADDING DIAGRAM



WALL WIND COMPONENT & CLADDING PRESSURE (PSF)

| TRIBUTARY AREA (SQ/FT) | ⑤ | ④ | ⑤ | ④ |
|------------------------|------|------|------|------|
| | -ve | +ve | -ve | +ve |
| 10 | 36.3 | 33.5 | 44.4 | 33.5 |
| 20 | 34.8 | 32.0 | 41.7 | 32.0 |
| 50 | 32.8 | 30.0 | 37.8 | 30.0 |
| 100 | 31.8 | 28.5 | 34.8 | 28.5 |



ANCHOR BOLT SCHEDULE

| DIAMETER "D" | MIN. EMBEDMENT "E" |
|--------------|--------------------|
| 5/8" | 18" |
| 3/4" | 18" |
| 7/8" | 18" |
| 1" | 18" |
| 1 1/8" | 18" |
| 1 1/4" | 18" |

BOLT DIAMETER BY METAL BLDG MFR.
 EMBEDMENT BY ENGINEER OF RECORD
 ANCHOR BOLT SHALL BE ASTM F1554 (GRADE 36)

WALL WIND COMPONENT & CLADDING DIAGRAM

FOUNDATION DESIGN INFORMATION

NET ALLOWABLE SOIL BEARING PRESSURE: 2500 PSF
 PER SOILS REPORT PREPARED BY

FOOTING SCHEDULE

| MARK | SIZE | | | REINFORCING | | | REMARKS |
|-------|--------|--------|-------|-------------|---------|----------------|--------------|
| | LENGTH | WIDTH | DEPTH | CONT | EA. WAY | TRANS LOCATION | |
| F5.0 | 5'-0" | 5'-0" | 2'-6" | --- | (5) #6 | --- | TOP & BOTTOM |
| F7.0 | 7'-0" | 7'-0" | 2'-6" | --- | (7) #6 | --- | TOP & BOTTOM |
| F8.0 | 8'-0" | 8'-0" | 2'-6" | --- | (8) #6 | --- | TOP & BOTTOM |
| F9.0 | 9'-0" | 9'-0" | 2'-6" | --- | (9) #6 | --- | TOP & BOTTOM |
| F10.0 | 10'-0" | 10'-0" | 2'-6" | --- | (10) #6 | --- | TOP & BOTTOM |
| F11.0 | 11'-0" | 11'-0" | 2'-6" | --- | (11) #6 | --- | TOP & BOTTOM |

REACTIONS

| FTG MARK | DOWN | UP | SHEAR |
|----------|------|-----|-------|
| F5.0 | 10k | -3k | 7k |
| F7.0 | 10k | -3k | 7k |
| F8.0 | 49k | -5k | 4.5k |
| F9.0 | 60k | -1k | 17k |
| F10.0 | 79k | -4k | 13k |
| F14.0 | 49k | -5k | 4.5k |

PRE-ENGINEERED METAL BUILDING DESIGN BASIS

| LIVE LOAD | | COLLATERAL LOAD | DEFLECTION | | WIND | BUILDING CODE |
|-----------|--------|-----------------|---|---------------------------|---|-----------------------------|
| PURLINS | FRAMES | | HORIZONTAL (DRIFT) | LIVE LOAD | | |
| 20 PSF | 20 PSF | 10 PSF | H/80 (MTL PNL WALL) H/100 (TILT-UP WALLS) H/120 (MASONRY WALLS) | ROOF L/240 FLOOR L/360 | WIND VELOCITY: 120 MPH IMPORTANCE FACTOR: 1.0 EXPOSURE: C INTERNAL PRESSURE COEFFICIENT: :0.18 | FBC 2007/ 2009 REVISIONS |

NOTE: PEMB MFR MUST SUBMIT SIGNED & SEALED CALCULATIONS.

HAWKINS, HALL & OGLE ARCHITECTS, INC.
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NEW NEWSPRINT STORAGE BLDG.
 NEWS JOURNAL
 DAYTONA BEACH, FLORIDA

| NO. ▲ | REVISION / SUBMISSIONS | DATE |
|-------|------------------------|------|
| | | |
| | | |

SHT. TITLE FOUNDATION NEWSPRINT STORAGE BUILDING
 SEAL

| | |
|-------------------------------|-------------------------------|
| COMMISSION NO. 1010 | SCALE: 1/8" = 1'-0" |
| DRAWN: JES | SHEET NO. S2.0 |
| CHECKED: AB | DATE: 9 JULY 10 |
| DATE: 9 JULY 10 | OF |

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