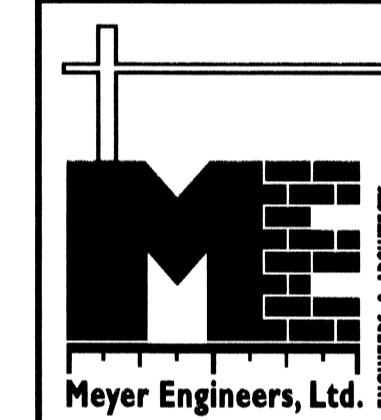
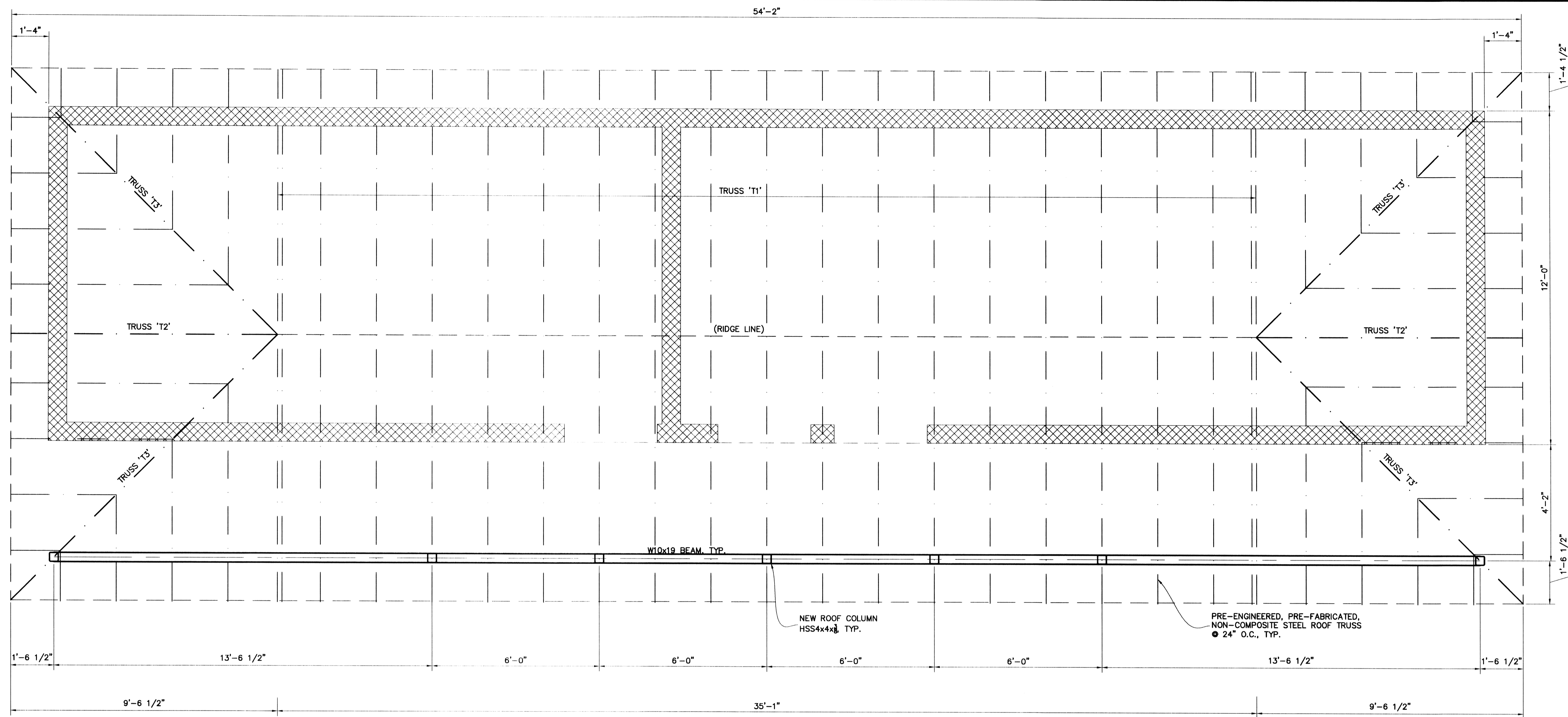


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**ROOF FRAMING PLAN & DETAILS**  
**HERITAGE PARK RESTROOM BUILDING**  
**CITY OF SLIDELL PARKS & RECREATION DEPT.**  
**CITY OF SLIDELL, OWNER**



**1**  
**ROOF FRAMING PLAN**  
 1/2" = 1'

**ROOF FRAMING SPECIFIC NOTES:**

1. PROVIDE FRAMING BETWEEN TRUSSES WITH VERTICALS AT INTERSECTIONS PER TRUSS MANUFACTURER'S REQUIREMENTS.
2. ANCHOR TRUSSES TO CMU WITH SIMPSON 'ETAT14' TRUSS ANCHORS.

**C-STUD METAL TRUSS NOTES:**

- A. C-STUD METAL TRUSSES ARE TO BE DESIGNED BY THE CONTRACTOR. SUBMIT CALCULATIONS TO THE A/E FOR REVIEW. SPACING SHALL BE 2'-0" OR 1'-4" ON CENTER AS REQUIRED TO MEET DESIGN LOADS AS DETERMINED BY LOCAL BUILDING CODES AND THE AUTHORITIES HAVING JURISDICTION.
- B. TRUSS DESIGN SHALL BEAR THE NAME AND SEAL OF A PROFESSIONAL ENGINEER REGISTERED IN LOUISIANA. TRUSS DESIGN AND FABRICATION DATA SHALL INCLUDE THE FOLLOWING: METAL CONNECTORS GAUGE AND THICKNESS, NOMINAL SPAN, AND SPACING OF TRUSSES. DESIGN LOADING OF TRUSSES AND BRACING REQUIRED TO PREVENT COMPRESSION BUCKLING OF INDIVIDUAL TRUSS MEMBERS. SHOW ALL CONNECTIONS USING APPROVED CONNECTORS OF TRUSSES INTERSECTING OTHER TRUSSES. THE MANUFACTURER SHALL DESIGN ALL TRUSS TO TRUSS CONNECTIONS AND SHALL BE DETAILED ON SHOP DRAWINGS.
- C. FIELD ERECTION OF TRUSSES, INCLUDING ITEMS SUCH AS PROPER HANDLING, SAFETY PRECAUTIONS, TEMPORARY BRACING TO PREVENT TOPPLING OR DOMING OF THE TRUSSES DURING ERECTION AND ANY OTHER SAFEGUARDS OR PROCEDURES CONSISTENT WITH GOOD BUILDING ERECTION PRACTICES AND GOOD WORKMANSHIP, SHALL BE THE RESPONSIBILITY OF THE GENERAL AND/OR FRAMING SUB-CONTRACTOR.
- D. ALL BEARING WALLS TO BE USED BY THE TRUSS MANUFACTURER IN THEIR DESIGN.
- E. ALL TRUSSES SHALL BE DESIGNED FOR THE FOLLOWING LOADS INCLUDING CONNECTIONS.
  1. A MINIMUM NET PRESSURE FOR ENCLOSED BUILDING PER WIND LOAD DATA SHOWN FOR ROOF OUTSIDE THE CMU WALLS.
  2. A DEAD LOAD OF 10 PSF AND A LIVE LOAD OF 20 PSF APPLIED TO THE TOP CHORD WITH A DEAD LOAD OF 5 PSF AND A LIVE LOAD OF 10 PSF APPLIED TO THE BOTTOM CHORD. THESE LOADS DO NOT INCLUDE THE TRUSS WEIGHT.
  3. TRUSSES SUPPORTING OTHER TRUSS SHALL BE DESIGNED FOR EXTRA CONCENTRATED LOADS. SEE ROOF FRAMING PLAN FOR LOCATIONS.
- F. BRACING:
  1. DIAGONAL BRACING: C-STUD METAL MEMBERS AT 45° SPACED AT EACH LINE OF BOTTOM CHORD BRACING. ATTACH TO EACH TRUSS CROSSED.
  2. BOTTOM CHORD BRACE: EXTEND CONTINUOUS C-STUD METAL MEMBERS FULL LENGTH OF THE BUILDING. ATTACH TO EACH TRUSS. SPACING SHALL NOT EXCEED 7'-0" O.C. THIS BRACE IS IN ADDITION TO ALL BRACING SPECIFIED BY THE TRUSS MANUFACTURER.

**WIND LOAD DATA**  
 BASIC WIND SPEED (3 SEC. GUST) = 125 MPH  
 EXPOSURE CATEGORY = C  
 IMPORTANCE FACTOR = 1.00  
 ADJUSTMENT FACTOR = 1.21

EWA (SF)	OVERHANG		COMPONENTS AND CLADDING PRESSURES (PSF) PER IBC 2009									
	ZONE 2	ZONE 3	1	2	3	4	5	6	7	8	9	10
≤10	63.53	-106.84	19.60	-31.10	19.60	-54.21	19.60	-80.10	34.00	-36.91	34.00	-45.50
20	63.53	-96.44	17.91	-30.25	17.91	-49.85	17.91	-74.90	32.43	-35.33	32.43	-42.47
50	63.53	-82.64	15.61	-29.16	15.61	-44.17	15.61	-68.00	30.49	-33.28	30.49	-38.48
100	63.53	-72.24	13.79	-28.07	13.79	-39.81	13.79	-62.80	28.92	-31.82	28.92	-35.33
≥500	63.53	-72.24	13.79	-28.07	13.79	-39.81	13.79	-62.80	25.41	-28.19	25.41	-28.07

