



SPECIAL INSPECTION & TESTING SCHEDULE		
(WHEN REQUIRED, SEE ABOVE)		
	CONTINUOUS	PERIODIC
STRUCTURAL STEEL FABRICATION		
MATERIAL IDENTIFICATION		X
HIGH STRENGTH BOLTS – MATERIAL IDENTIFICATION OF BOLTS, NUTS, & WASHERS		X
WELD FILLER MATERIALS – IDENTIFICATION AND CONFIRMATION OF COMPLIANCE WITH DESIGN DOCUMENTS		X
STRUCTURAL STEEL ERECTION		
MATERIAL IDENTIFICATION		X
INSTALLATION OF HIGH STRENGTH BOLTS		X
WELDED CONNECTIONS		X
MEMBER SIZES AND PLACEMENT		X
GENERAL CONFORMANCE WITH DESIGN DOCUMENTS		X
DRIVEN DEEP FOUNDATION ELEMENTS		
VERIFY ELEMENT MATERIALS, SIZE, LENGTHS COMPLY WITH DESIGN DOCUMENTS	X	
DETERMINE CAPACITIES OF TEST ELEMENTS & CONDUCT ADDITIONAL LOAD TESTS, IF REQUIRED		
OBSERVE DRIVING OPERATIONS, MAINTAIN RECORDS	X	
VERIFY PLACEMENT LOCATIONS & PLUMBNESS	X	
HELICAL PILE FOUNDATIONS		
RECORD INSTALLATION EQUIPMENT USED, PILE DIMENSIONS, TIP ELEVATIONS, FINAL DEPTH.	X	

THIS TABLE PER IBC 2015, SEC. 1705

NOTES:

1. HEIGHTS AND TILT ANGLES MEASURED FROM LEVEL GROUND
2. FOUNDATION TESTING, WHERE REQUIRED, SHALL BE DONE ACCORDING TO THE "QUICK TEST METHOD" PER ASTM D1143 & D3689.
3. DIMENSIONS SHOWN REFLECT HEIGHTS ON LEVEL/EVEN GROUND. ON UNEVEN/UNEVEN TERRAIN, ALL OTHER HEIGHTS WILL BE DICTATED BY FRONT LIP HEIGHT AND PANEL TILT.
4. TOLERANCES  
TOLERANCES VALID ON DIMENSIONS ON LEVEL/EVEN GROUND. ADDITIONAL TOLERANCES MAY BE ACCEPTABLE WHEN REQUIRED ON UNEVEN/UNEVEN GROUND.
- 4.1. LIP HEIGHT (PV CLEARANCE):  $\pm 4"$
- 4.2. TILT:  $\pm 2^\circ$
- 4.3. PILE:
  - 4.3.1. PLUMB:  $\pm 2^\circ$
  - 4.3.2. EAST/WEST LOCATION:  $\pm 5"$
  - 4.3.3. NORTH/SOUTH LOCATION:  $\pm 2"$
  - 4.3.4. UP/DOWN LOCATION:  $\pm 6"$
- 4.4. GUSSET:
  - 4.4.1. LOCATION ON PILE:  $\pm 4"$
  - 4.4.2. NS LOCATION: SOUTH  $+2"$
- 4.5. KNEE BRACE:
  - 4.5.1. NS CHORD LOCATION:  $\pm 5"$
  - 4.5.1. HEIGHT ON GUSSET:  $\pm 2"$
5. PILE INSTALLATION—PER GEOTECHNICAL ENGINEER (DELEGATED DESIGN).
  - 5.1. ACCURATELY LOCATE AND INSTALL ANCHOR POSTS BY SUCH METHODS AND EQUIPMENT SO AS NOT TO IMPAIR THE ANCHOR STRENGTH OR DAMAGE ANCHORS OR ADJACENT CONSTRUCTION.
  - 5.2. IN SUCH CASES WHERE PILE EAST/WEST LOCATION MUST BE ADJUSTED FROM NOMINAL POSITION & SHIFTED WITHIN TOLERANCES, THIS IS ALLOWED TO OCCUR IN NO GREATER THAN ONE CONSECUTIVE PILE LOCATION.
  - 5.3. INSTALLATION CONTRACTOR RESPONSIBLE FOR ALL CONSTRUCTION EQUIPMENT, METHODS, AND SEQUENCES.
  - 5.4. DISTURBED GALVANIZED SURFACES SHALL BE TOUCHED UP WITH AN APPROVED COLD GALVANIZING COMPOUND.
  - 5.5. PILE SHALL PENETRATE THE SOIL TO THE DEPTH INDICATED AS MINIMUM PER THE STAMPED FOUNDATION DESIGN REPORT.
6. SPECIAL INSPECTIONS (WHERE REQUIRED):

CUSTOMER			
RACKING PROVIDER			
 20-345 COUNTY ROAD X RIDGEVILLE CORNERS, OHIO 43555 (P) 419.267.5280 (F) 419.267.5214 WWW.APALTERNATIVES.COM			
RACKING TYPE			
			
STRUCTURAL ENGINEER OF RECORD			
PROFESSIONAL SEAL/STAMP			
<div style="display: flex; flex-direction: column; align-items: center;"><div style="writing-mode: vertical-rl; transform: rotate(180deg);">DOCUMENT NAME:</div><div style="writing-mode: vertical-rl; transform: rotate(180deg);">STRUCTURAL PRINT PACKAGE</div><div style="writing-mode: vertical-rl; transform: rotate(180deg);">SITE STREET ADDRESS:</div><div style="writing-mode: vertical-rl; transform: rotate(180deg);">20-345 COUNTY ROAD X</div><div style="writing-mode: vertical-rl; transform: rotate(180deg);">SITE CITY, STATE, ZIP:</div><div style="writing-mode: vertical-rl; transform: rotate(180deg);">RIDGEVILLE CORNERS, OH 43555</div></div>			
SHEET REVISIONS			
REV.	DESCRIPTION	DATE	
A	INITIAL RELEASE	4/19/2023	
<div style="border: 2px solid black; border-radius: 15px; display: inline-block; padding: 5px 20px; font-weight: bold; font-size: 1.2em;">APPROVED</div>			
DRAWN	REVIEWED	APPROVED	SIZE
SDS	TM	JDI	D
SHEET NAME			
RACKING OVERVIEW			
PROJECT NUMBER			
SAMPLE			
DRAWING NUMBER			REV.
S.100			A