

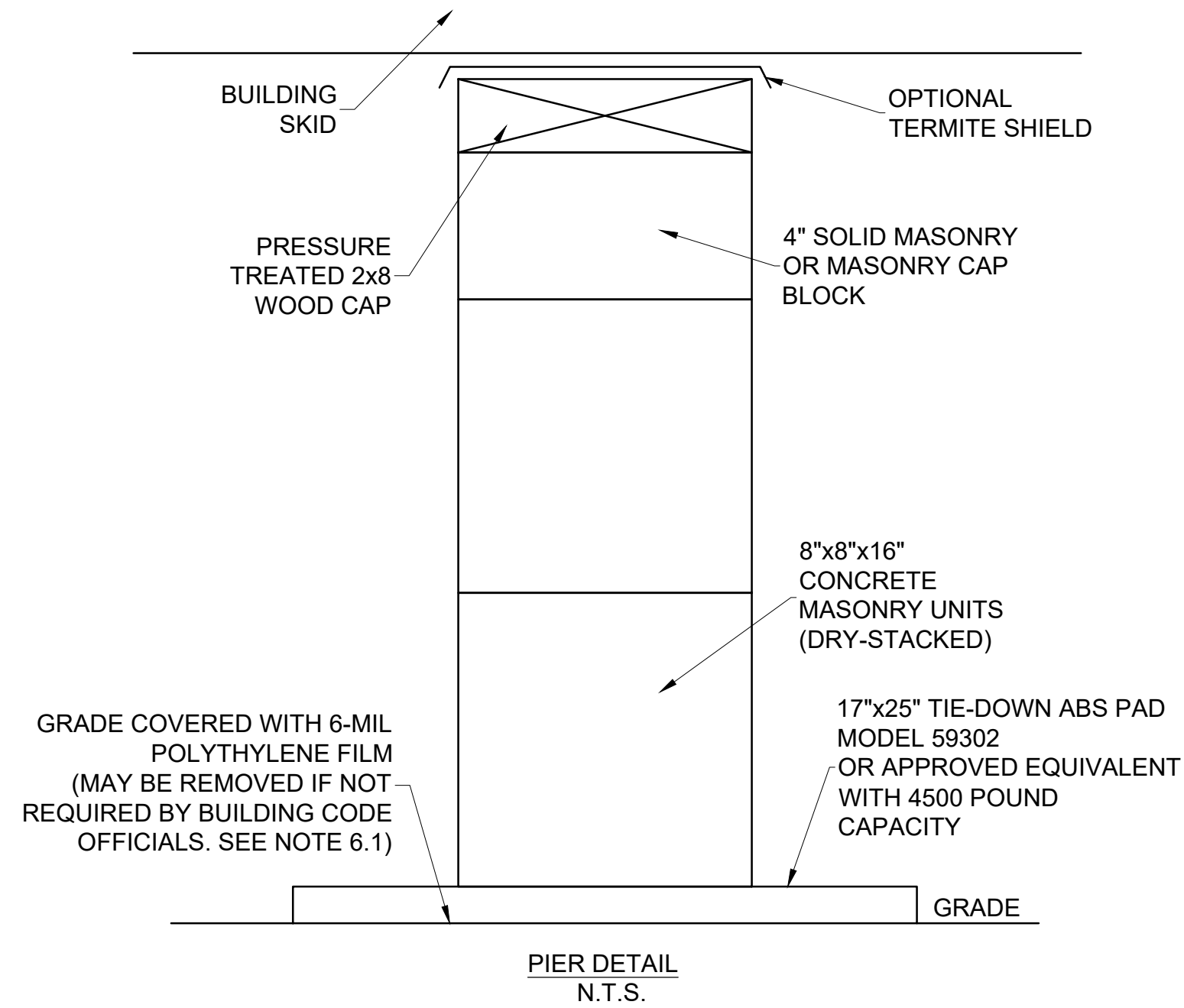
- GENERAL NOTES
DESIGN CRITERIA
1.0 REFERENCED STANDARDS
1.1 DESIGN
1.1.1 ALABAMA BUILDING CODE
1.1.1.1 BUILDING - CHAPTER 16
1.1.2 2018 NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION DESIGN CODES AND GUIDELINES.
1.1.3 2018 NATIONAL DESIGN SPECIFICATIONS SUPPLEMENT FOR WOOD CONSTRUCTION DESIGN CODES AND GUIDELINES.
1.1.4 PRODUCTS SUBMITTED ARE PRODUCT APPROVED AND CAN BE SUBSTITUTED WITH PRODUCT APPROVED EQUIVALENTS.
1.1.5 REFERENCE STOR-MOR CONSTRUCTION MANUAL (2020) FOR ANY ADDITIONAL DETAILS NOT SHOWN IN THESE PLANS.
1.1.5.1 IF THERE ARE ANY DISCREPANCIES WITH THE STOR-MOR CONSTRUCTION MANUAL, THESE PLANS SHALL CONTROL.

- 2.0 DESIGN LOADS
2.1 DEAD LOADS:
2.1.1 FLOOR DEAD LOAD = 5 PSF
2.1.2 ROOF DEAD LOAD = 6 PSF
2.2 LIVE LOADS:
2.2.1 FLOOR LIVE LOAD = 40 PSF
2.2.2 ROOF LIVE LOAD = 20 PSF
2.3 WIND LOADS: PERFORMED IN ACCORDANCE WITH THE ALABAMA BUILDING CODE, CHAPTER 16, LATEST EDITION
2.3.1 DESIGN WIND SPEED: $V_{ult} = 160$ M.P.H.
 $V_{asd} = 124$ M.P.H.
2.3.2 IMPORTANCE FACTOR = 1.0, RISK CATEGORY II
2.3.3 EXPOSURE CATEGORY = C
2.3.4 INTERNAL PRESSURE COEFFICIENT = +/- 0.18
2.3.5 BUILDING TYPE = ENCLOSED
2.4 MIN. SOIL BEARING CAPACITY = 1500 PSF
3.0 ANCHORAGE DETAILS SHOWN ON THIS DRAWING ARE FOR STOR-MOR PORTABLE BUILDINGS ONLY. THESE PLANS SHALL NOT BE REDISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF CHASTAIN & ASSOCIATES LLC.
4.0 THIS BUILDING IS NOT DESIGNED TO BE SUBMERGED OR SUBJECTED TO WAVE ACTION WHEN LOCATED IN A FLOOD PRONE OR ZONE AREA.

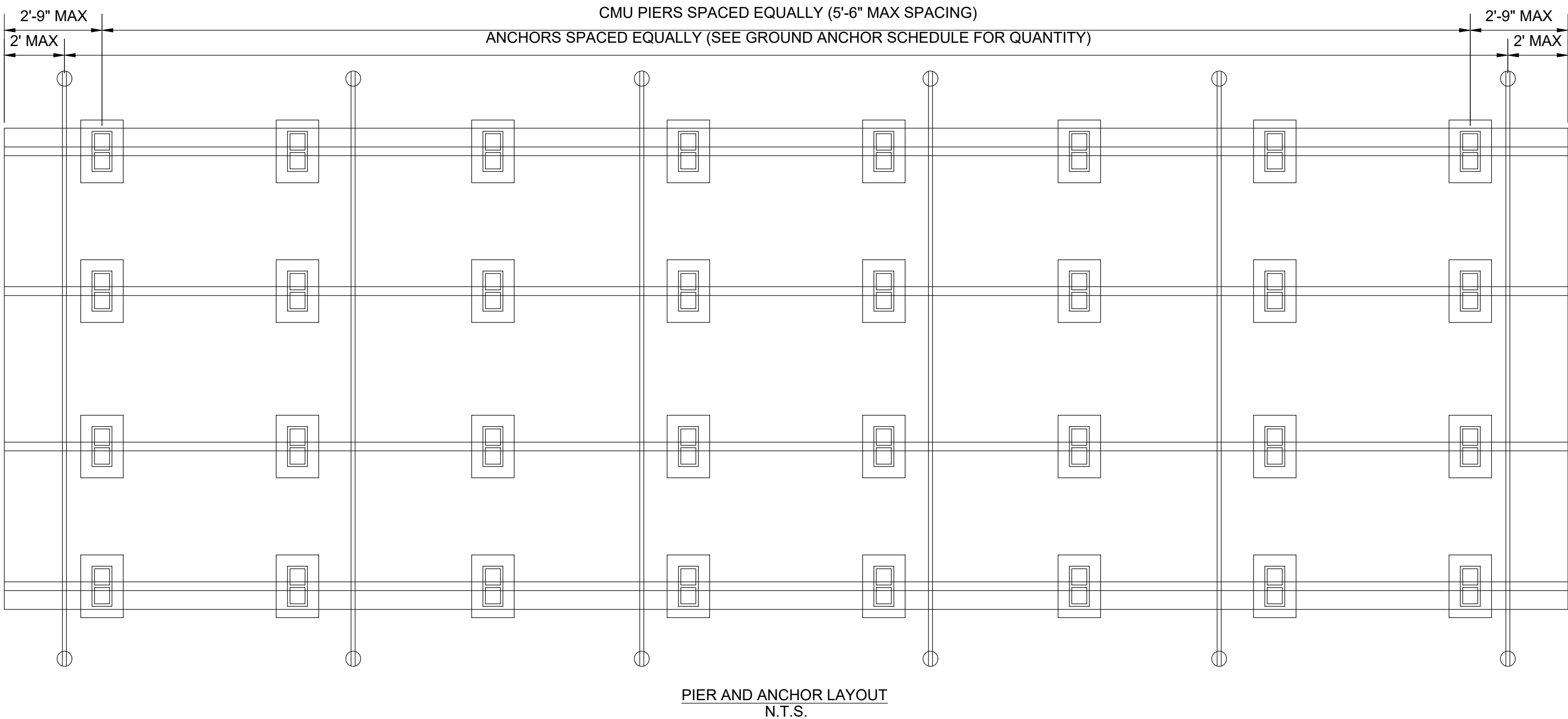
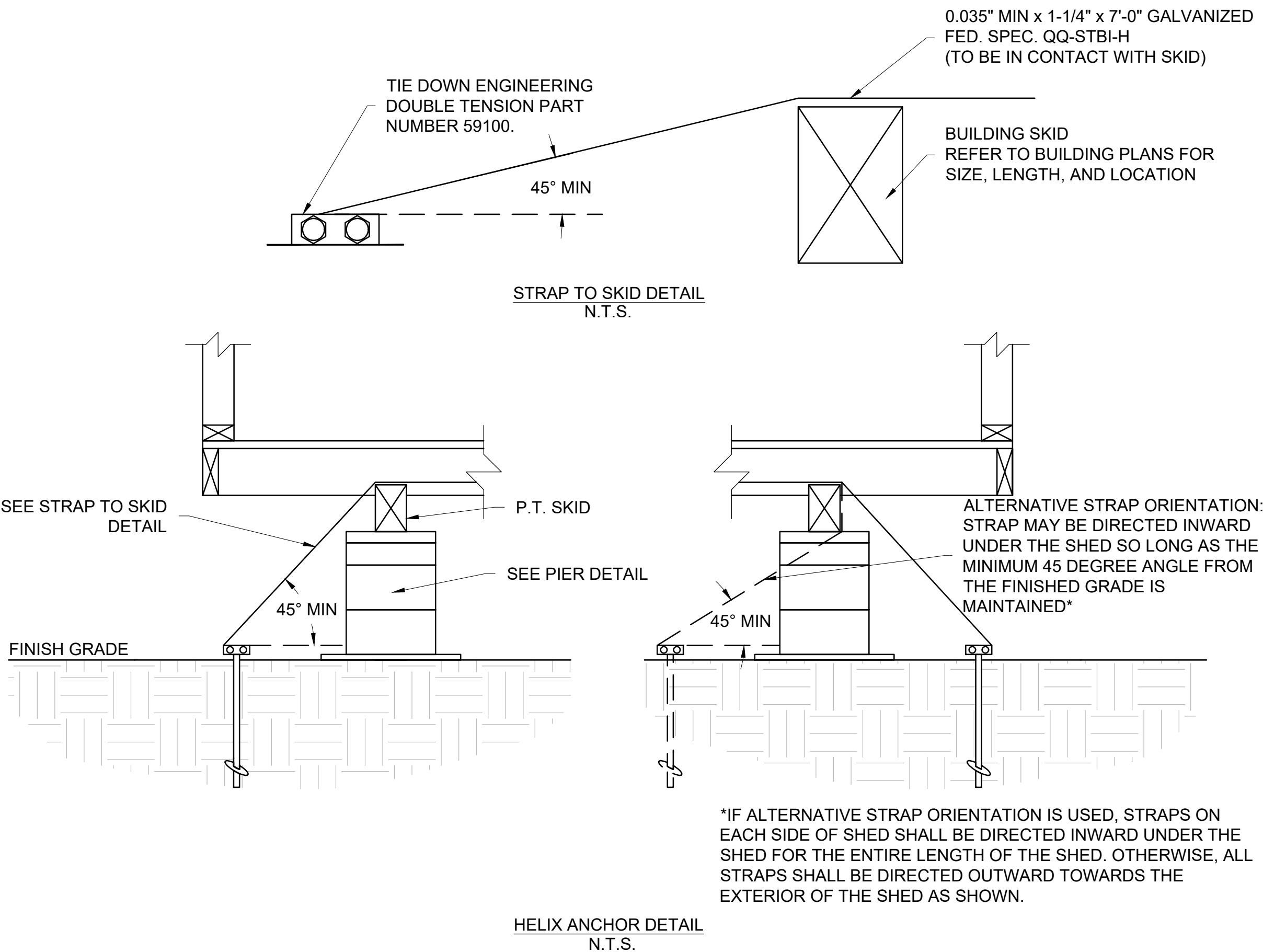
- FOUNDATION NOTES
5.0 ALL UNDERLYING SOIL TO BE CLEAN, FREE OF VEGETATION, OTHER ORGANIC MATTER, UNSTABLE SOILS SUCH AS MUCK, AND OTHER DELETERIOUS MATERIALS.
6.0 FOUNDATIONS TO BE PLACED ON UNDISTURBED SOIL OR FILL THAT HAS BEEN COMPACTED TO 96% MAXIMUM DENSITY PER ASTM D-1557.
6.1 IF POLYETHYLENE FILM NOT REQUIRED BY BUILDING CODE OFFICIALS, FINISHED GRADE BENEATH STRUCTURE SHALL BE SLOPED 1/4" PER FOOT TOWARD EXTERIOR FACE FROM THE LONGITUDINAL CENTERLINE OF THE STRUCTURE. THE GRADE SHALL THEN FALL A MINIMUM OF 3" WITHIN THE FIRST 10 FEET FROM THE EXTERIOR FACE.
7.0 THIS FOUNDATION IS DESIGNED TO SUPPORT THE SUBJECT STRUCTURE AS WELL AS ANCHOR THE STRUCTURE IN A MANNER CONSISTENT WITH THE ALABAMA BUILDING CODE, LATEST EDITION, REQUIREMENTS FOR A SITE BUILT PERMANENT FOUNDATION AND IS NOT DESIGNED TO BE MOVED ONCE SO ERRECTED.
8.0 PIERS
8.1 ALL PIERS SHOULD BE CONSTRUCTED OF 8"x8"x16" CONCRETE MASONRY UNITS (CMU's) CONFORMING TO ASTM C90.
8.2 ALL THE MASONRY PIERS MAY BE INSTALLED IN A DRY STACK SUBJECT TO LOCAL JURISDICTION.
8.3 HOLLOW MASONRY PIERS SHALL HAVE A MINIMUM NOMINAL THICKNESS OF 8 INCHES WITH A NOMINAL HEIGHT NOT EXCEEDING FOUR TIMES THE NOMINAL THICKNESS AND A NOMINAL LENGTH NOT EXCEEDING THREE TIMES THE NOMINAL THICKNESS. THIS MAXIMUM HEIGHT DOES NOT INCLUDE MASONRY AND WOOD CAP.
8.4 HOLLOW MASONRY PIERS SHALL BE CAPPED WITH 4 INCHES OF SOLID MASONRY OR CONCRETE OR A MASONRY CAP BLOCK.

GROUND ANCHOR SCHEDULE		
MODEL #/PART #	DESCRIPTION [1]	SOIL CLASS
59080/59081	48" x 5/8" ROD WITH (1) 6" HELIX	4A
59085/59094	48" x 3/4" ROD WITH (1) 6" HELIX	4A
59250/59250G	36" x 3/4" ROD WITH (1) 4" HELIX, AND (1) 6" HELIX	4A
59128/59128G	42" x 3/4" ROD WITH (2) 4" HELIX	4A
59086/59086G	48" x 3/4" ROD WITH (2) 4" HELIX	4A
59099	60" x 3/4" WITH (1) 7" HELIX	4B

[1] ANCHORS SHALL USE 17 1/2" STABILIZER PLATE OR ABS STABILIZATION PLATE.



GROUND ANCHOR QUANTITY SCHEDULE		
SHED LENGTH (FT)	TOTAL	# EA SIDE
10-18	4	2
20-24	6	3
26-34	8	4
36-42	10	5
44-52	12	6
54-60	14	7



REVISION/ISSUED
DATE
5/22/2022
FINAL SUBMITTAL

BY

PROJECT NO. 7698

FIELD BOOK NO. N/A

START DATE MARCH 2022

DRAWN BY DMG

CHECKED BY BCG

C&A REF. NO. N/A

PWC REF. NO. N/A

FILE LOCATION

517 BROADWAY STREET
SUITE 100
PADUCAH, KY 42001

OFFICE (270) 568-5983
www.chastainengineers.com

CHASTAIN & ASSOCIATES LLC
CONSULTING ENGINEERS

ALABAMA
LICENSED
No. 51115
PROFESSIONAL
ENGINEER
JASON CHASTAIN
PADUCAH, KY

EXPIRES: 12/31/23

ANCHORING DETAILS

STOR-MOR
PORTABLE BUILDINGS
1104 PARIS ROAD
MAYFIELD, KY

sheet no.
1

project no.
7698

