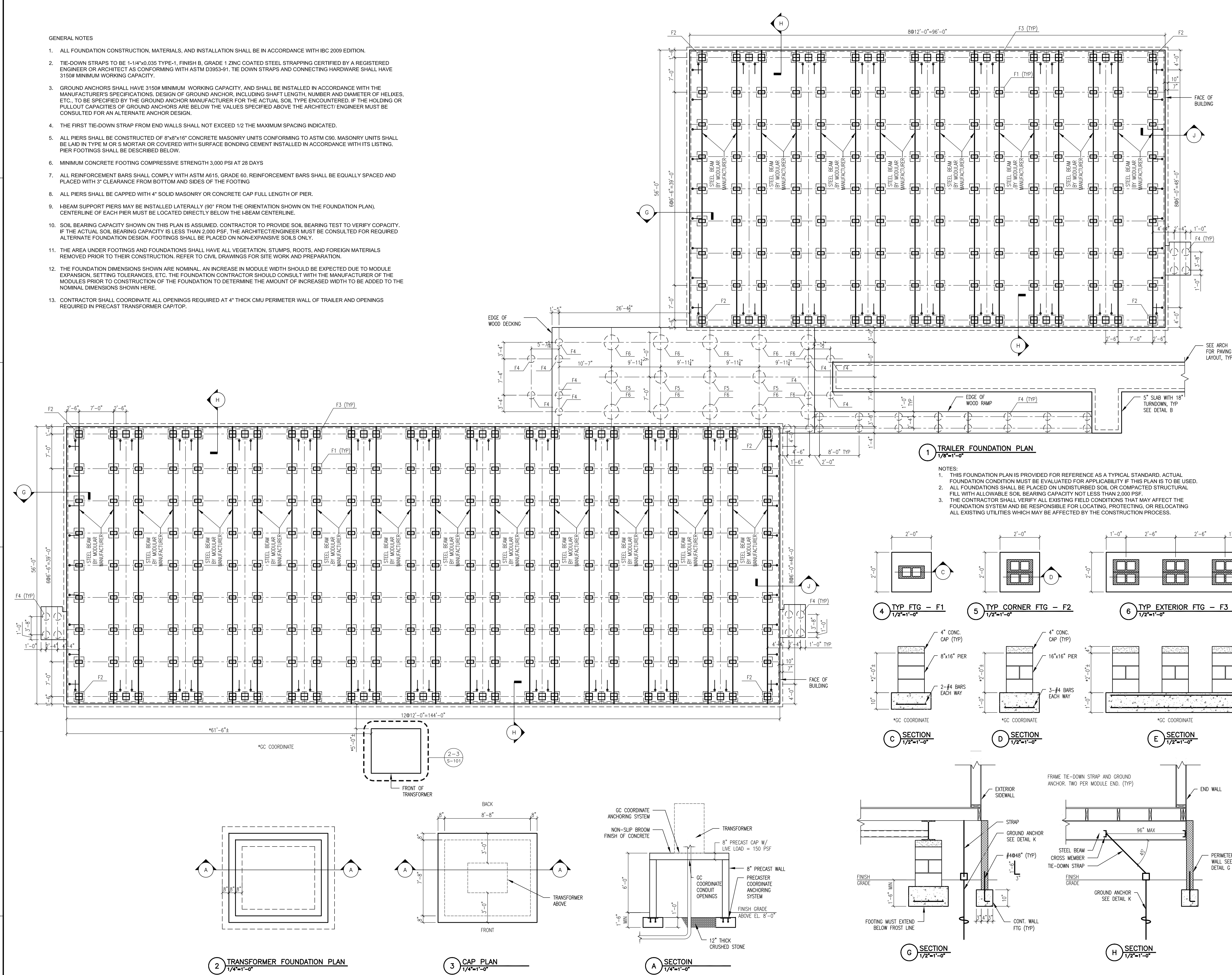


three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot

- GENERAL NOTES
- ALL FOUNDATION CONSTRUCTION, MATERIALS, AND INSTALLATION SHALL BE IN ACCORDANCE WITH IBC 2009 EDITION.
 - TIE-DOWN STRAPS TO BE 1-1/4"x0.035 TYPE-1, FINISH B, GRADE 1 ZINC COATED STEEL STRAPPING CERTIFIED BY A REGISTERED ENGINEER OR ARCHITECT AS CONFORMING WITH ASTM D3953-91. TIE DOWN STRAPS AND CONNECTING HARDWARE SHALL HAVE 3150# MINIMUM WORKING CAPACITY.
 - GROUND ANCHORS SHALL HAVE 3150# MINIMUM WORKING CAPACITY, AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS, DESIGN OF GROUND ANCHOR, INCLUDING SHAFT LENGTH, NUMBER AND DIAMETER OF HELIXES, ETC., TO BE SPECIFIED BY THE GROUND ANCHOR MANUFACTURER FOR THE ACTUAL SOIL TYPE ENCOUNTERED. IF THE HOLDING OR PULLOUT CAPACITIES OF GROUND ANCHORS ARE BELOW THE VALUES SPECIFIED ABOVE THE ARCHITECT/ENGINEER MUST BE CONSULTED FOR AN ALTERNATE ANCHOR DESIGN.
 - THE FIRST TIE-DOWN STRAP FROM END WALLS SHALL NOT EXCEED 1/2 THE MAXIMUM SPACING INDICATED.
 - ALL PIERS SHALL BE CONSTRUCTED OF 8"x8"x16" CONCRETE MASONRY UNITS CONFORMING TO ASTM C90. MASONRY UNITS SHALL BE LAID IN TYPE M OR S MORTAR OR COVERED WITH SURFACE BONDING CEMENT INSTALLED IN ACCORDANCE WITH ITS LISTING. PIER FOOTINGS SHALL BE DESCRIBED BELOW.
 - MINIMUM CONCRETE FOOTING COMPRESSIVE STRENGTH 3,000 PSI AT 28 DAYS
 - ALL REINFORCEMENT BARS SHALL COMPLY WITH ASTM A615, GRADE 60. REINFORCEMENT BARS SHALL BE EQUALLY SPACED AND PLACED WITH 3" CLEARANCE FROM BOTTOM AND SIDES OF THE FOOTING
 - ALL PIERS SHALL BE CAPPED WITH 4" SOLID MASONRY OR CONCRETE CAP FULL LENGTH OF PIER.
 - I-BEAM SUPPORT PIERS MAY BE INSTALLED LATERALLY (90° FROM THE ORIENTATION SHOWN ON THE FOUNDATION PLAN). CENTERLINE OF EACH PIER MUST BE LOCATED DIRECTLY BELOW THE I-BEAM CENTERLINE.
 - SOIL BEARING CAPACITY SHOWN ON THIS PLAN IS ASSUMED. CONTRACTOR TO PROVIDE SOIL BEARING TEST TO VERIFY CAPACITY. IF THE ACTUAL SOIL BEARING CAPACITY IS LESS THAN 2,000 PSF, THE ARCHITECT/ENGINEER MUST BE CONSULTED FOR REQUIRED ALTERNATE FOUNDATION DESIGN. FOOTINGS SHALL BE PLACED ON NON-EXPANSIVE SOILS ONLY.
 - THE AREA UNDER FOOTINGS AND FOUNDATIONS SHALL HAVE ALL VEGETATION, STUMPS, ROOTS, AND FOREIGN MATERIALS REMOVED PRIOR TO THEIR CONSTRUCTION. REFER TO CIVIL DRAWINGS FOR SITE WORK AND PREPARATION.
 - THE FOUNDATION DIMENSIONS SHOWN ARE NOMINAL. AN INCREASE IN MODULE WIDTH SHOULD BE EXPECTED DUE TO MODULE EXPANSION, SETTING TOLERANCES, ETC. THE FOUNDATION CONTRACTOR SHOULD CONSULT WITH THE MANUFACTURER OF THE MODULES PRIOR TO CONSTRUCTION OF THE FOUNDATION TO DETERMINE THE AMOUNT OF INCREASED WIDTH TO BE ADDED TO THE NOMINAL DIMENSIONS SHOWN HERE.
 - CONTRACTOR SHALL COORDINATE ALL OPENINGS REQUIRED AT 4" THICK CMU PERIMETER WALL OF TRAILER AND OPENINGS REQUIRED IN PRECAST TRANSFORMER CAP/TOP.



WIND PRESSURE FOR COMPONENTS AND CLADDING

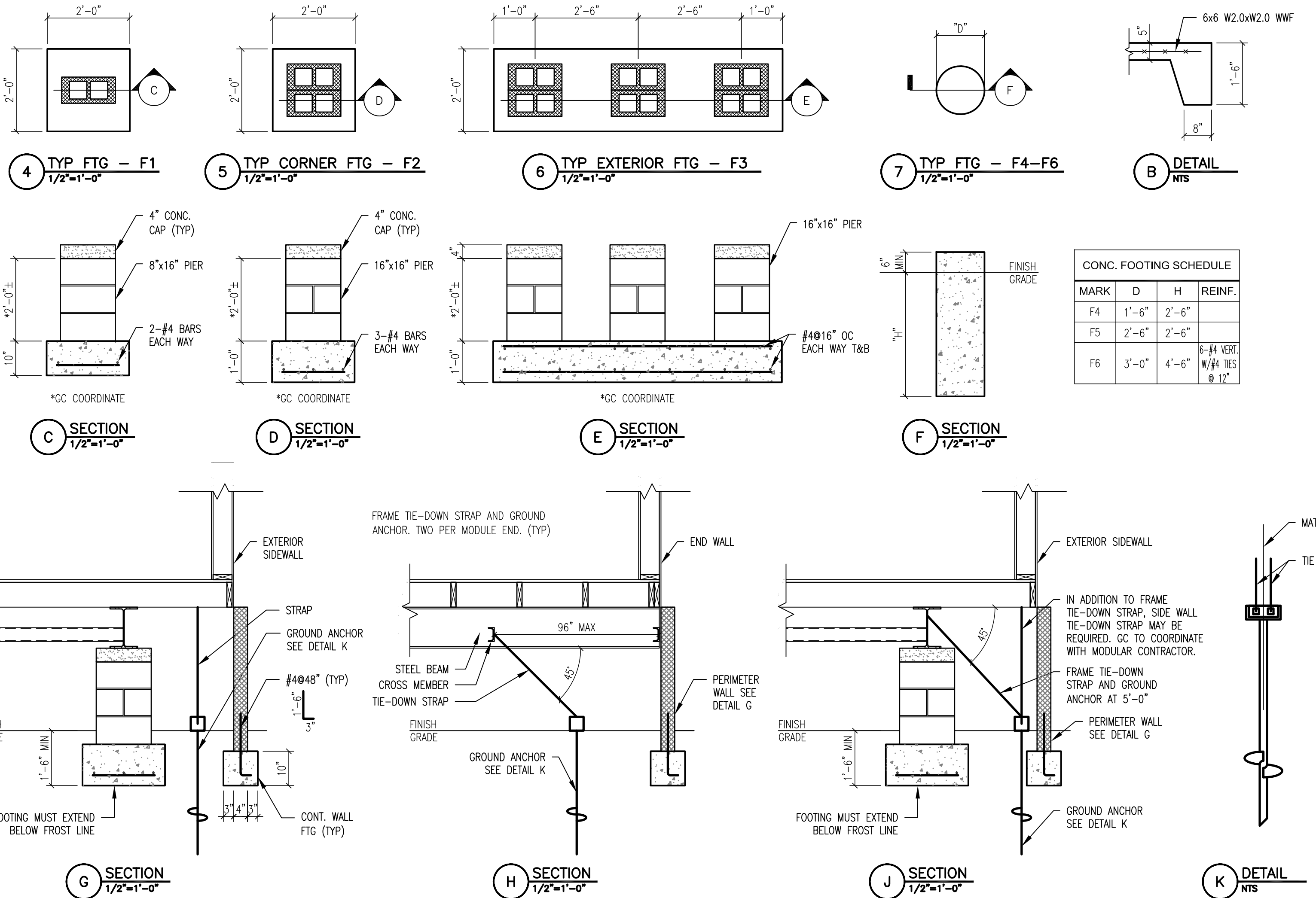
CODE: ASCE 7-05
DESIGN WIND SPEED: 140 MPH
IMPORTANCE: 1.15
EXPOSURE: C
INTERNAL PRESSURE COEFFICIENT: ±0.18

TRIB AREA (SQ FT)	ZONE	WIND PRESSURE AND SUCTION (PSF)	
		PRESSURE	SUCTION
10	(4)	56.6	61.4
100	(4)	48.1	52.9
200	(4)	45.6	50.4
10	(5)	56.6	75.8
100	(5)	48.1	58.8
200	(5)	45.6	53.7
10	(1)	23.0	56.6
100	(1)	18.2	51.8
10	(2)	23.0	95.0
100	(2)	18.2	61.4
10	(3)	23.0	142.9
100	(3)	18.2	61.4

NOTES:
1. a = 10 FT
2. THE WIND DIRECTIONALITY FACTOR (Kz) IS INCLUDED IN THE CALCULATION OF THESE PRESSURES

1 TRAILER FOUNDATION PLAN
1/4"=1'-0"

- NOTES:
- THIS FOUNDATION PLAN IS PROVIDED FOR REFERENCE AS A TYPICAL STANDARD. ACTUAL FOUNDATION CONDITION MUST BE EVALUATED FOR APPLICABILITY IF THIS PLAN IS TO BE USED.
 - ALL FOUNDATIONS SHALL BE PLACED ON UNDISTURBED SOIL OR COMPACTED STRUCTURAL FILL WITH ALLOWABLE SOIL BEARING CAPACITY NOT LESS THAN 2,000 PSF.
 - THE CONTRACTOR SHALL VERIFY ALL EXISTING FIELD CONDITIONS THAT MAY AFFECT THE FOUNDATION SYSTEM AND BE RESPONSIBLE FOR LOCATING, PROTECTING, OR RELOCATING ALL EXISTING UTILITIES WHICH MAY BE AFFECTED BY THE CONSTRUCTION PROCESS.



FINAL CONSTRUCTION DOCUMENTS
FULLY SPRINKLERED

Revisions: Date	CONSULTANTS:	ARCHITECT/ENGINEERS: VOA ELLERBE BECKET VOA/ELLERBE BECKET, LLC 4798 NEW BROAD ST. SUITE 100 ORLANDO, FL 32814	Drawing Title TRAILER FOUNDATION PLAN & SECTIONS	Project Title BAY PINES VAMC: INPATIENT & OUTPATIENT IMPROVEMENTS	Project Number 516PRO05	Office of Construction and Facilities Management Department of Veterans Affairs	
			Approved: Project Director	Location BAY PINES, FL	Building Number MV		
			Date: 05/31/2013	Checked: HC	Drawn: KTW		Drawing Number S-101