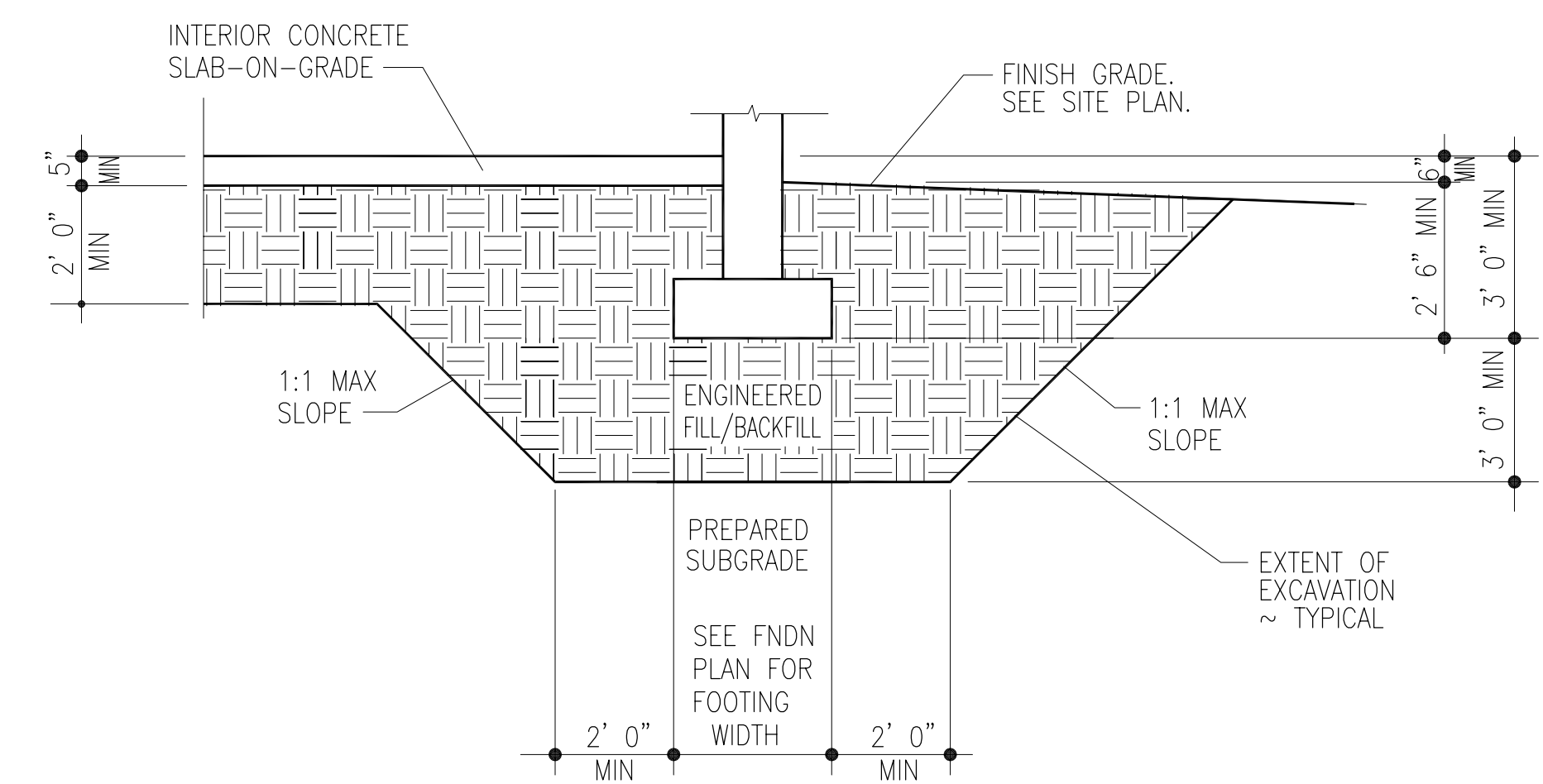
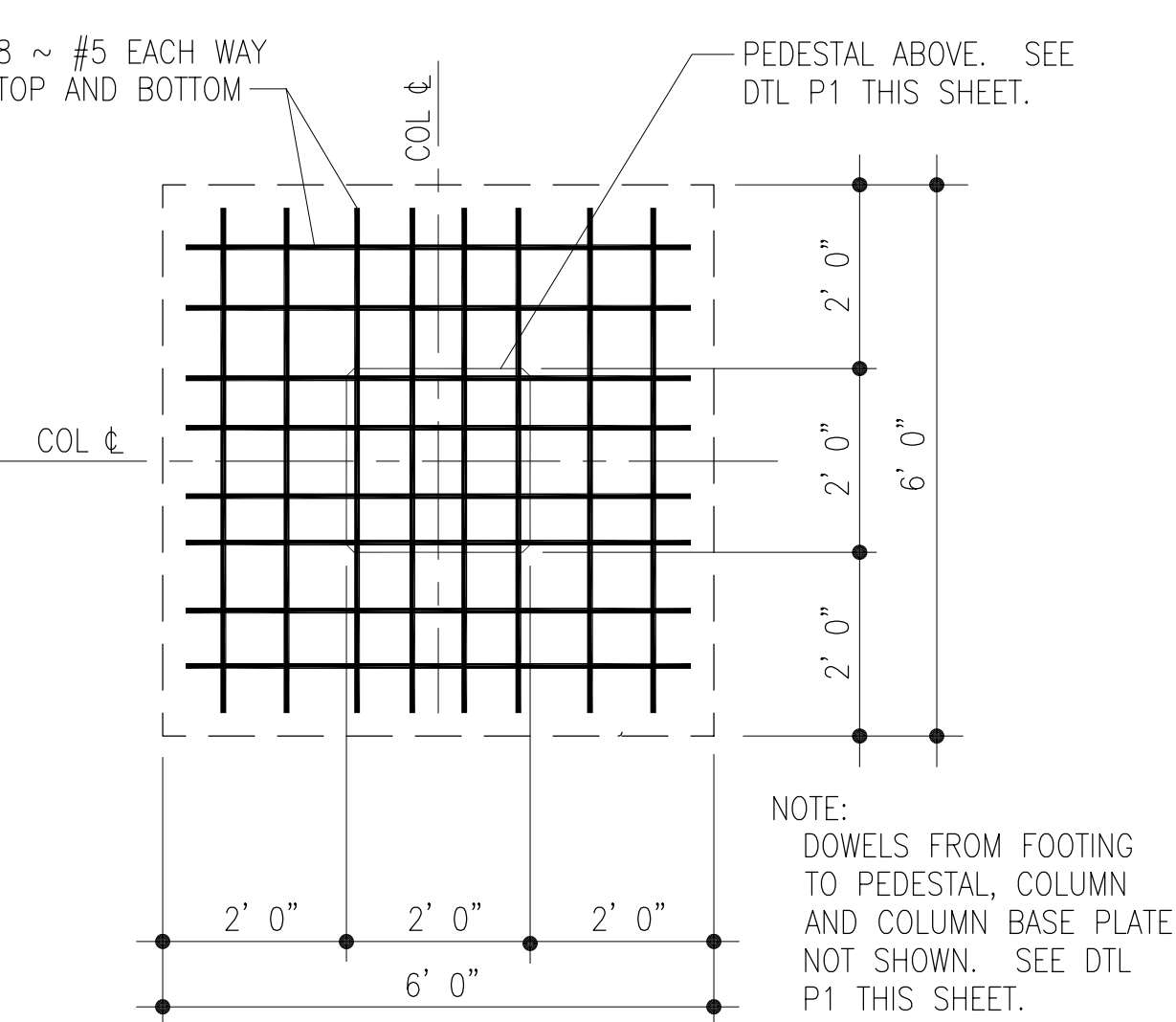


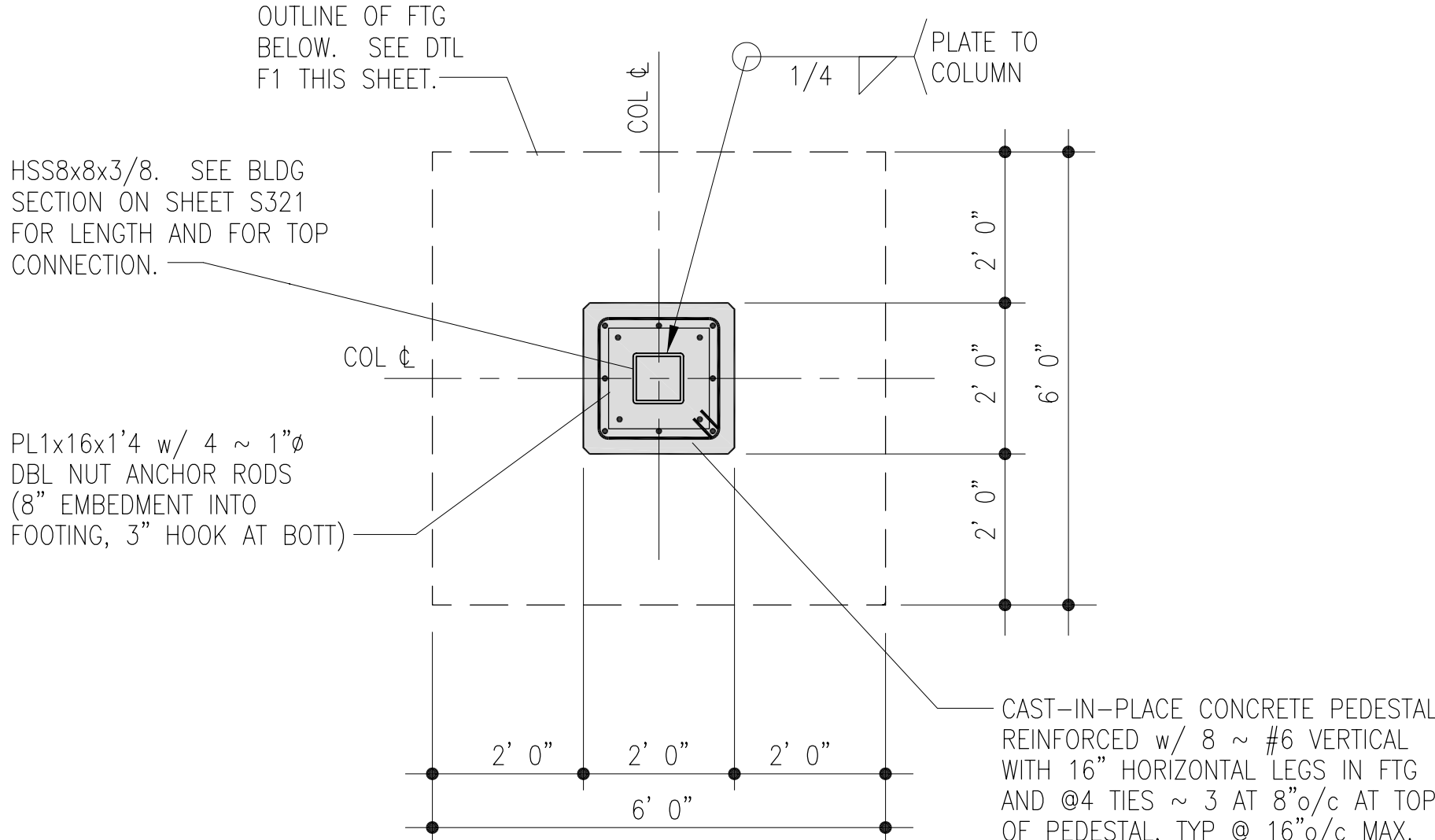
three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot
BCE20 0-010 / S-121
10/20/2011
DWG SCALE: 1/4" = 1' 0"



SCHEMATIC SECTION ~ COMMITAL SHELTER BUILDING EARTHWORK
NO SCALE



F1
S121
PLAN DETAIL

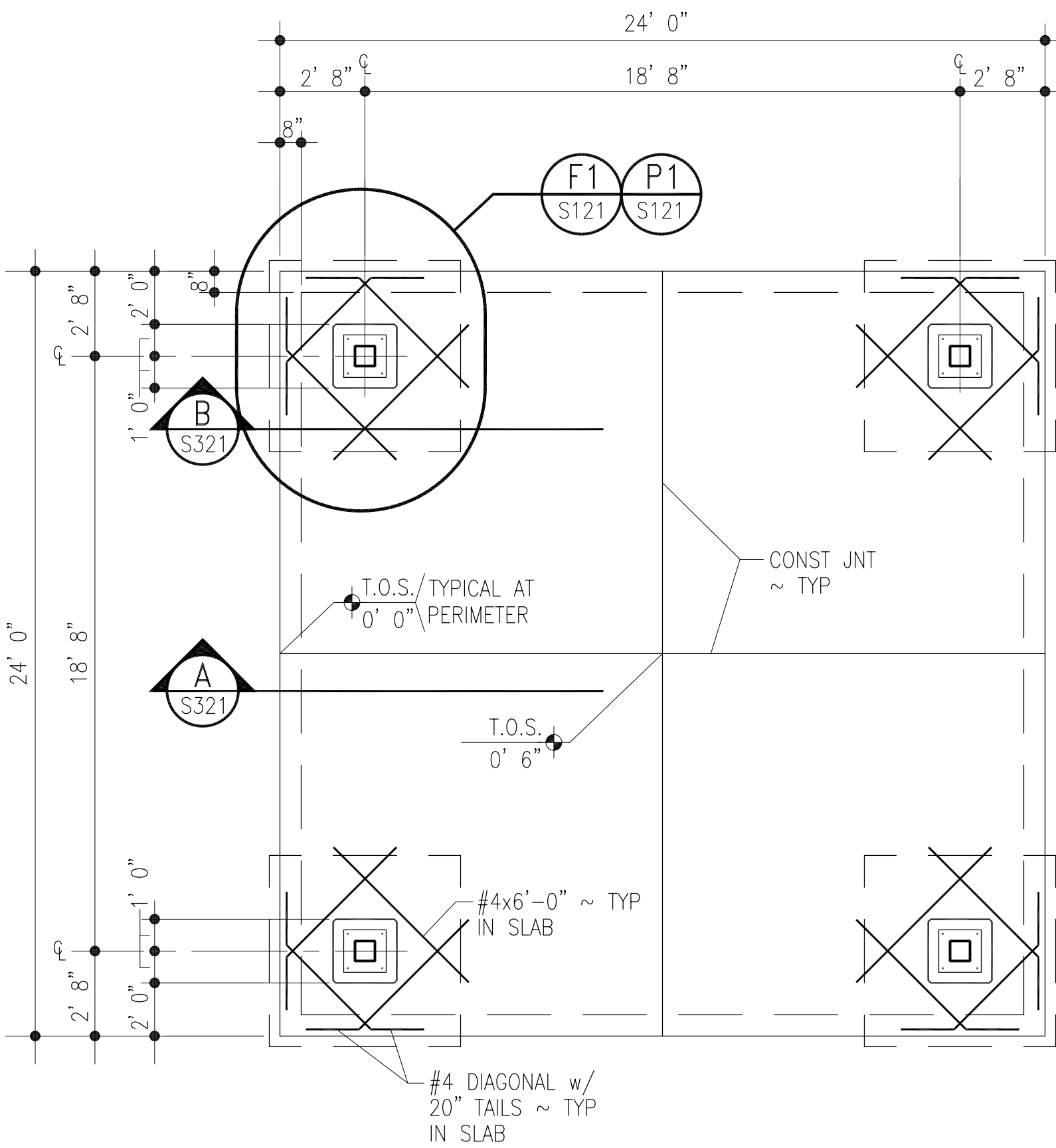


P1
S121
PLAN DETAIL

GENERAL NOTES - EARTHWORK

- 1.GENERAL. Construct footings and slabs-on-grade on engineered fill on prepared subgrade. Earthwork for structures, including site clearing, excavation and placement and compaction of fill and backfill, unless specifically contained in these notes and the SPECIFICATIONS shall be in accordance with the 2009 edition of the New Mexico Commercial Building Code.
- 2.SITE CLEARING. Remove from the site and properly dispose of all vegetation and other organic matter, pavement, existing construction and manmade fill (except as otherwise directed), and any other unsuitable material.
- 3.EXCAVATION AND PROTECTION OF EXCAVATIONS. Remove existing material as required to permit the placing and compaction of fill and backfill as shown on the SCHEMATIC EARTHWORK SECTION on this sheet and as otherwise specified and necessary to meet site grading elevations. Provide positive surface drainage away from excavations and promptly remove any surface water which may enter the excavations. Remove any subgrade material and any previously placed fill or backfill which has been softened or otherwise damaged by moisture. Replace with properly placed and compacted fill or backfill. Slope sides of excavations as required for slope stability and provide barricades, lights and warning signs as necessary for the protection of the public, construction personnel and existing property.
- 4.PREPARATION OF SUBGRADE. After surface has been cleaned and grubbed and excavations have been completed to the extent shown, scarify or otherwise loosen the subgrade to a minimum depth of 8 inches, moisten or dry the loosened material as necessary to achieve uniform moisture content (within +/-3 percentage points of optimum moisture content) and compact to not less than 95% of maximum density.

- 5.FILL AND BACKFILL. All fill and backfill material shall be clean, free of organic or frozen matter, and any other unsuitable material, and is to be approved by the Resident Engineer before use. Site material may be used if it meets the specified material property requirements. If site material does not meet the requirements, use imported materials or a uniform mixture of site and imported materials which do meet the specified requirements. See SPECIFICATIONS for gradation, plasticity index and other fill and backfill material requirements.
- 6.PLACING AND COMPACTION OF FILL AND BACKFILL. Place material to be compacted in layers of uniform thickness (not to exceed 8 inches if mechanized equipment is to be used for compaction or 6 inches if handheld equipment is to be used). See the SPECIFICATIONS for compaction requirements for fill/backfill. Perform compaction when the material to be compacted is at its optimum moisture content (plus or minus 2 percentage points). Thoroughly mix water into the soil mass or dry the soil mass so that the moisture content of the soil mass is uniform. Perform compaction using appropriate equipment and methods as necessary to achieve the required density percentages without damage to existing construction. Do not use ponding, flooding, jetting or other similar methods to aid in compaction.
- 7.QUALITY CONTROL. Determine maximum densities and optimum moisture contents of soil in accordance with ASTM D1557. Determine density of in-place material in accordance with ASTM D1556 or D2922. Determine gradations of materials in accordance with ASTM D422. Determine liquid limits, plastic limits and plasticity indices in accordance with ASTM D4318. See SCHEDULE OF SPECIAL INSPECTION/VERIFICATIONS on Sheet S311 and SPECIFICATIONS for additional requirements and for testing schedule.



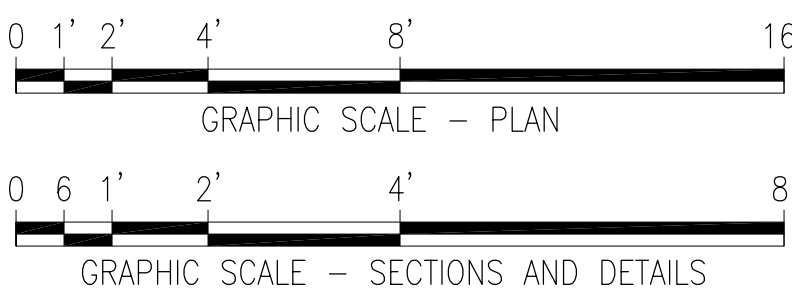
COMMITAL SHELTER FOUNDATION PLAN

GENERAL NOTES - COMMITAL SHELTER FOUNDATION PLAN

1. IN THE EVENT THAT BONES OR PREHISTORIC OR HISTORIC ARCHAEOLOGICAL MATERIALS ARE UNCOVERED DURING CONSTRUCTION OR EARTH DISTURBING ACTIVITIES, CEASE WORK IMMEDIATELY AND PROTECT THE REMAINS FROM FURTHER DISTURBANCE. NOTIFY THE OWNER (THE DIRECTOR OF FORT BLISS NATIONAL CEMETERY) AT (915) 564-0201. THE OWNER WILL CONTACT THE NEW MEXICO HISTORIC PRESERVATION DIVISION (SHPO). THE OWNER AND SHPO MAY DISCUSS THE APPROPRIATE WAY TO PROCEED. DIRECTION TO THE CONTRACTOR WILL BE PROVIDED BY THE OWNER.
2. THE SIDES OF ALL FOOTINGS AND STEM WALLS (EXCEPT INSIDE FACES OF TURNED-DOWN SLABS ON GRADE ARE TO BE FORMED. FORMING REQUIREMENTS, INCLUDING BUT NOT LIMITED TO FORM MATERIALS AND TOLERANCES, ARE GIVEN IN SPECIFICATION SECTION 31 20 00 - EARTH MOVING.

GENERAL NOTE - DRAWING SCALES

THIS SHEET WAS DRAWN AT A SCALE OF 1/4" = 1' 0". IT MAY HAVE BEEN PLOTTED AT A DIFFERENT SCALE. THE SCALE OF THE DRAWINGS ON THE PLOTTED SHEET CAN BE DETERMINED USING THE GRAPHIC SCALES BELOW.



100% CONSTRUCTION DRAWINGS

SUB-CONSULTANTS		PRIME CONSULTANT		Drawing Title COMMITAL SHELTER EARTHWORK SCHEMATIC SECTION AND NOTES, FOUNDATION PLAN AND DETAILS		Project Title CEMETERY IMPROVEMENTS AND NEW MAINTENANCE BUILDING		Project Number 885CM3007 Building Number 3		NATIONAL CEMETERY ADMINISTRATION OFFICE OF DESIGN AND CONSTRUCTION	
MORROW REARDON WILKINSON MILLER, LTD., LANDSCAPE ARCHITECTS 210 La Veta NE, Albuquerque, NM 87108 505.268.2268 FAX 505.265.9637 MLL@MRELANDSCAPE.COM		Bacchus Consulting Engineering STRUCTURAL ENGINEERS Albuquerque, New Mexico		2020 K STREET, SUITE 300 WASHINGTON, DC 20006 TELEPHONE: (202)872-0277 FAX: (202)872-0282.		Location FORT BAYARD, NEW MEXICO		Drawing Number S-121 Dwg 115 of 120		Department of Veterans Affairs	
CHERRY/SEE/REAMES ARCHITECTS, LLP 220 gold avenue sw albuquerque, nm 87102 tel 505-842-1018 fax 505-766-1309		STRUCTURAL ENGINEER-OF-RECORD		Approved: Director Office of Design and Construction		Date NOVEMBER 18, 2011		Checked CEB		Drawn BCE	
Revisions:		Date									