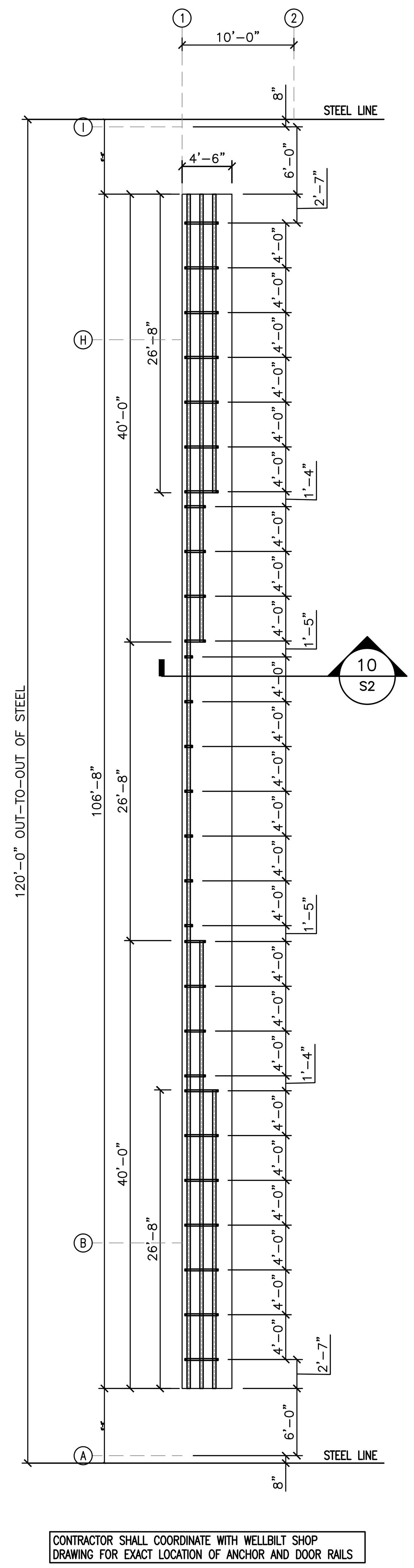
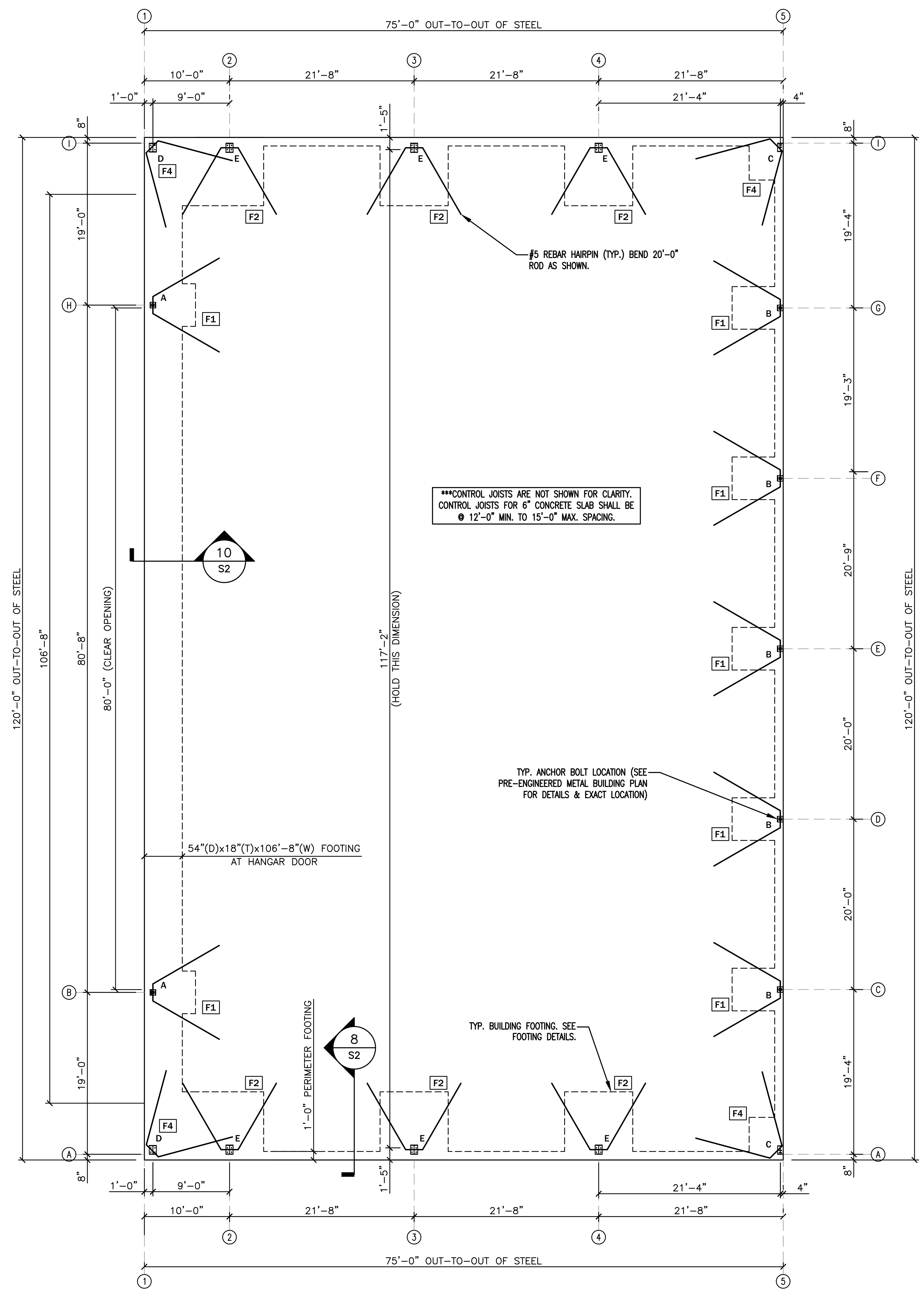
SCALE: 1-1/2" = 1'-0"
SCALE: 1" = 1'-0"
SCALE: 3/4" = 1'-0"
SCALE: 1/2" = 1'-0"
SCALE: 1/4" = 1'-0"
SCALE: 3/16" = 1'-0"
SCALE: 1/8" = 1'-0"



2/S1 HANGAR DOOR ANCHOR PLAN

SCALE: 1/8" = 1'-0"



1/S1 PIER & ANCHOR BOLT PLAN

SCALE: 1/8" = 1'-0"

LEGEND

- F3 — FOOTING DETAIL NUMBER, SEE DETAIL ON SHEET S2
- B — ANCHOR PLATE, SEE PRE-ENGINEERED METAL BUILDING PLAN FOR DETAIL

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NORTH CAROLINA PROFESSIONAL SEAL 42009 ENGINEER KELLY DODSON
18 DECEMBER 2023

DESIGNED / CHECKED BY:	KJD
DRAWN BY:	BT
PROJECT #:	2023-06-09
DATE:	18 DECEMBER 2023

FINAL DRAWING [ ] FOR REVIEW PURPOSES ONLY
PRELIMINARY [ ] FOR DESIGN DEVELOPMENT ONLY
FINAL DRAWING [✓] FOR CONSTRUCTION

OWNER/TENANT: -
CONTRACTOR/BUILDER: -

PROJECT: *HARNETT COUNTY AIRPORT HANGAR*
615 AIRPORT RD. ERWIN, NC 28339

SHEET: FOUNDATION PLAN & ANCHOR BOLT PLAN

S1

Drawing File: H:\2023\Ostendorf Hanger 2023-06-09\DWG\Harnett-Airport-Foundation-18 Dec 2023.dwg
Plotted by: baot
Plotted Date: Dec 18, 2023 - 12:45pm

REINFORCING STEEL
ALL REINFORCING STEEL SHALL BE DEFORMED STEEL BARS CONFORMING TO A.S.T.M. A615, GRADE 60.
ALL REINFORCING STEEL SHALL BE MANUFACTURED, DETAILED, FABRICATED AND PLACED IN ACCORDANCE
WITH A.C.I. 315R, 318R AND A.C.I. SP 66.
WELDED WIRE FABRIC SHALL CONFORM TO A.S.T.M. A185, IN AS LONG A LENGTH AS IS PRACTICAL. WELDED
WIRE FABRIC SHALL BE LAPPED AT LEAST ONE GRID WIDTH PLUS 2".
REINFORCEMENT SHALL BE BENT COLD AND SHALL NOT BE WELDED.

SPLICES:
REINFORCEMENT IN CONCRETE AND MASONRY SHALL HAVE LAP LENGTHS AS FOLLOWS, UNLESS OTHERWISE
SPECIFIED ON DRAWINGS:

BAR SIZE:	IN CONCRETE:	IN MASONRY:
#3	1'–6"	2'–0"
#4	2'–0"	2'–6"
#5	2'–6"	3'–0"

PLACEMENT:
REINFORCEMENT SHALL BE ACCURATELY PLACED AND SUPPORTED BY CONCRETE, METAL, OR OTHER APPROVED
CHAIRS, SPACERS OR TIES, AND SECURED AGAINST DISPLACEMENT DURING CONCRETE OR GROUT PLACEMENT.

EXCEPT WHERE OTHERWISE NOTED, REINFORCEMENT SHALL HAVE CONCRETE COVER AS FOLLOWS:

CONCRETE DEPOSITED AGAINST EARTH	3"
FORMED CONCRETE AGAINST EARTH	2"
EXTERIOR FACES OF WALLS	1"
TO TOP OF SLABS–ON–GRADE	3/4"

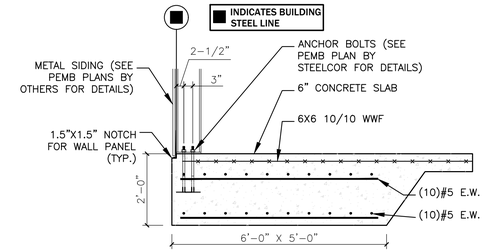
ALL SCALES, LOOSE RUST, GREASE OR DIRT SHALL BE REMOVED FROM THE REINFORCING BEFORE IT IS PLACED.
PROVIDE #5 "HAIRPIN" X 20' LONG AT EXTERIOR COLUMN LINES.
ANCHOR BOLTS SHALL BE (A–3077) HIGH STRENGTH.

SOIL TREATMENT:
ADMINISTRATION AS ACCEPTABLE

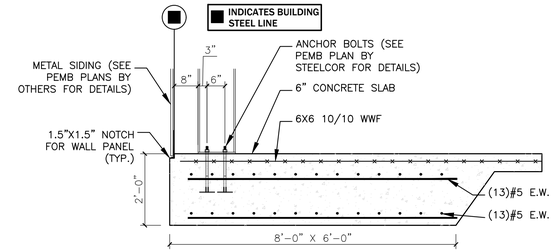
GENERAL CONDITIONS
THE GENERAL CONTRACTOR SHALL MAKE ADEQUATE SANITARY PROVISIONS.
THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR JOB SAFETY AND COMPLIANCE WITH THE REQUIREMENTS
OF THE OCCUPATIONAL SAFETY AND HEALTH ACT AS IT MAY REGARD ANY PHASE OF THE WORK ON THIS PROJECT.

SOIL COMPACTION AND TESTING
THE GENERAL CONTRACTOR SHALL OBTAIN THE SERVICES OF A TESTING LABORATORY, SUCH AS S&ME OR LAW
ENGINEERING FOR THE PURPOSE OF DETERMINING THE SUITABILITY OF THE SUBSURFACE CONDITIONS AND THE
BEARING CAPACITIES OF ALL AREAS BELOW CONCRETE (2000psf ASSUMED)..
THE SOIL AND BEARING REPORT SHALL BE SUBMITTED PRIOR TO EXCAVATING, WHERE POSSIBLE, BUT PRIOR TO
PLACEMENT OF ANY REINFORCING AND CONCRETE.

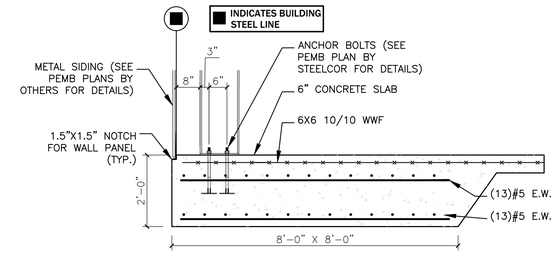
CONCRETE WORK
1. ALL CONCRETE FOR THE PROJECT SHALL BE "READY MIX" AND SHALL COMPLY WITH ASTM C–94. ALL SECTIONS OF THE CONCRETE WORK SHALL COMPLY WITH ALL A.S.T.M. AND A.C.I. REQUIREMENTS.
2. FORM WORK – ALL FORMS TO BE CAREFULLY BUILT AND SECURED IN PLACE IN SUCH A MANNER AS TO HAVE SUFFICIENT STRENGTH TO CARRY THE DEAD WEIGHT OF THE CONSTRUCTION AS A LIQUID, WITHOUT DEFLECTION OR VIBRATION. FORMS TO BE BUILT TIGHT, TRUE TO POSITION AND DIRECTION, THOROUGHLY BRACED, WIRED AND SPIKED OR OTHERWISE FASTENED TOGETHER.
3. CONCRETE – MINIMUM OF 3,500 PSI COMPRESSIVE STRENGTH AT 28 DAYS, MINIMUM OF FIVE SACKS OF CEMENT PER CUBIC YARD OF CONCRETE, MAXIMUM OF 4" SLUMP.
4. FINISHING – IN ACCORDANCE WITH THE LATEST A.C.I. CODE, PLUMB, LEVEL, TRUE IN LINE, FREE OF HONEYCOMB. BUILDING SLAB SHALL HAVE A HARD STEEL TROWEL FINISH. WALKS SHALL HAVE BROOMED FINISH AND EXPANSION JOINTS AT APPROXIMATELY 50'–0" O.C. AND DUMMY JOINTS AS SHOWN ON THE SITE PLAN.
5. REMOVAL OF FORMS – FORMS SHALL BE CAREFULLY REMOVED SO AS NOT TO IMPAIR THE FACE OF THE CONCRETE. IMMEDIATELY AFTER THE FORMS ARE REMOVED ALL DAMAGE OF IMPERFECT WORK SHALL BE PATCHED IN A NEAT AND WORKMANLIKE MANNER OR IF BADLY DAMAGED, IN THE OPINION OF THE OWNER, THE WORK SHALL BE REBUILT. THE MINIMUM TIME BEFORE ANY FORMS CAN BE REMOVED IS SEVEN (7) DAYS FOR SUCH MEMBERS AS ARE SUBJECT TO BENDING STRESSES, SUCH AS SLABS.
6. CURING – USE MEMBRANE CURING METHOD. USE MFG. RATE, SPRAY IMMEDIATELY FOLLOWING FINISHING. PROTECT FROM FREEZING WEATHER, CURE A TOTAL OF 28 DAYS USING A.C.I. METHODS.



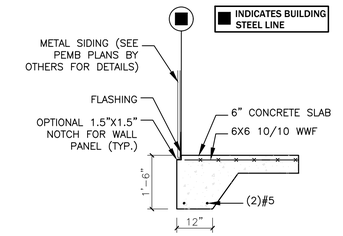
3 S2 FOOTING DETAIL F1 (B)
1/2" = 1'–0"



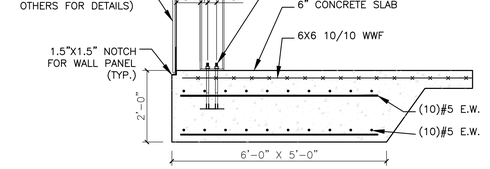
7 S2 FOOTING DETAIL F4 (D)
1/2" = 1'–0"



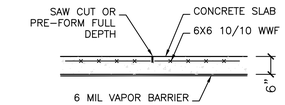
4 S2 FOOTING DETAIL F2 (E)
1/2" = 1'–0"



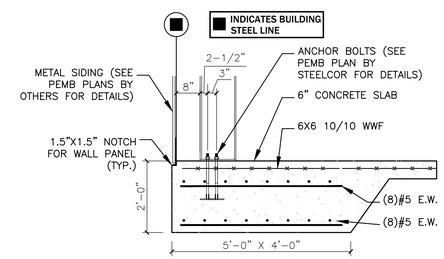
8 S2 PERIMETER FOOTING DETAIL
1/2" = 1'–0"



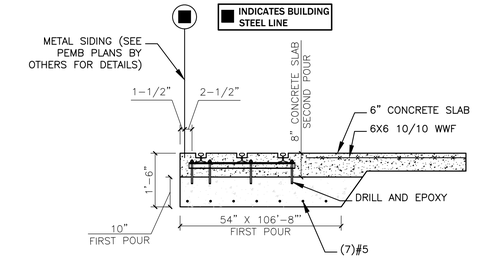
5 S2 FOOTING DETAIL F3 (A)
1/2" = 1'–0"



9 S2 CONTROL JOINT DETAIL
1/2" = 1'–0"



6 S2 FOOTING DETAIL F4 (C)
1/2" = 1'–0"



10 S2 HANGAR DOOR ANCHOR BOLT
PERIMETER

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NORTH CAROLINA PROFESSIONAL SEAL 42009 ENGINEER KATHY JENKINS

18 DECEMBER 2023

DESIGNED / CHECKED BY: KJD
DRAWN BY: BT
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PROJECT: *HARNETT COUNTY AIRPORT HANGAR*
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SHEET: FOUNDATION & FOOTING DETAILS

S2

SCALE: 1–1/2" = 1'–0"
SCALE: 1" = 1'–0"
SCALE: 3/4" = 1'–0"
SCALE: 1/2" = 1'–0"
SCALE: 1/4" = 1'–0"
SCALE: 3/16" = 1'–0"
SCALE: 1/8" = 1'–0"

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Plotted By: kjenkins
Plotted Date: Dec 18, 2023 - 12:40pm