GENERAL NOTES:

1. BUILDING CONTRACTOR MUST VERIFY DEPTH AND LOCATION OF ALL DROPS, OFF-SETS, BRICK LEDGES, BLOCKOUTS AND ALL DIMENSIONS WITH ARCHITECTURAL FLOOR PLANS.

2. CONCRETE IN FOUNDATION BEAMS AND SLABS MUST ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 2500 PSF AT 28 DAYS AND AT LEAST 2000 PSI AT THE TIME OF STRESSING WHICH IS USUALLY MAINTAINED AFTER 3 TO 7 DAYS OF CURING.

3. PLACE A MINIMUM 6 MIL. VAPOR BARRIER OF POLYETHYLENE UNDER ALL CONCRETE SLABS AND REMOVE ANY MATERIALS OR WATER DETRIMENTAL TO CONCRETE OR THE VAPOR BARRIER BEFORE POURING CONCRETE.

4. CONCRETE SHALL BE AIR ENTRAINED (A.S.T.M. C-260) AND HAVE A SLUMP NOT LESS THAN 3½" AND NOT MORE THAN 5½". ALL OTHER ADMIXTURES SHALL BE APPROVED BY THE ENGINEER.

5. DURING PERIODS OF HOTTER TEMPERATURES, PROVIDE EXTRA CURING TIME TO PREVENT SHRINKAGE CRACKS FROM OCCURRING.

6. MILD STEEL REINFORCING (IF REQUIRED) SHALL BE REBAR-ASTM A-615, GRADE 40. WELDED WIRE FABRIC-ASTM 185.

7. ALL TENDONS WILL CONSIST OF 7 WIRE STRESS RELIEVED STRAND HAVING A GUARANTEED ULTIMATE TENSILE STRENGTH OF 270,000 PSI.
STRANDS SHALL BE ½"COATED WITH PREVENTATIVE LUBRICANT TO PREVENT BOND, REDUCE FRICTION, AND REDUCE CORROSION. DIAMETER SIZE DETERMINATION IS ACCORDING TO PLANS. STRANDS SHALL BE WRAPPED WITH POLYETHYLENE PLASTIC SHEATHING OF 0.05 OR LESS AND SHALL CONFORM TO ACI CODE. IF TENDON SHEATHING IS DAMAGED FOR 5" OR MORE IT MUST BE RE-SHEATHED.

8. ALL END ANCHORAGES SHALL CONFORM TO ACI CODE REQUIREMENTS.

9. ⅜"TENDONS SHALL BE ANCHORED AT 16.1K POUNDS PER STRAND.

10. ANY OPENINGS THROUGH THE SLAB SHALL NOT EXCEED 8"X8". OPENINGS FOR A TUB TRAP MAY EXCEED THIS, BUT MUST BE KEPT TO A MINIMUM.

11. ALL BEAMS ARE TO PENETRATE A MINIMUM OF 12" INTO UNDISTURBED SOIL OF <15P.I., AND 18" INTO UNDISTURBED SOIL OF P.I.>15 AND IF CONDITIONS EXIST, ENGINEER APPROVED FILL WILL BE ACCEPTED.

12. SLABS SHALL HAVE A MINIMUM OF 6" OF PERVIOUS SAND OR GRANULAR MATERIAL FOR A CUSHION LAYER. THE MATERIAL SHALL HAVE A P.I. OF LESS THAN 12. IF THE P.I. EXCEEDS 12 FOR THE EXISTING SUB-GRADE, BUT DOES NOT EXCEED A P.I. OF 20, THEN NO CUSHION LAYER IS REQUIRED.

13. THE SUB-GRADE OR FILL APPROVED BY THE ENGINEER PLACED BENEATH THE BEAMS SHOULD BE AT NO LESS THAN 96% OF A MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT AS PER A.S.T.M. DENSITY TEST NO. D-698, METHOD "A", OR THE STANDARD PROCTOR TEST.
THE MOISTURE CONTENT MAY VARY +3% TO -1% OF OPTIMUM. IF FILL MATERIAL IS NEEDED, IT IS TO BE PLACED AT 6" LIFTS OR LESS. PRIOR TO PLACEMENT OF FILL, REMOVE EXISTING SOIL ALONG WITH ANY ORGANIC SUBSTANCE. A TEST REPORT MEETING COMPACTION REQUIREMENTS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL (IF REQUIRED).

14. REBAR AND/OR TENDONS SHALL BE ELEVATED AND SUPPORTED WITH SLAB CHAIRS OR SLAB BOLSTERS. AT INTERSECTIONS OF TENDONS AND AT EVERY OTHER INTERSECTION OF REBAR THERE SHALL BE TIES.

15. BEAM OR SLAB TENDONS EXCEEDING 90' IN LENGTH MUST HAVE A "LIVE END" AT EACH END. AFTER TENDON STRESSING IS COMPLETED, TRIM THE EXCESS TENDON OR PIGTAILS AND GROUT THE ANCHOR POCKETS WITH NON-SHRINK GROUT.

16. FOR PROTECTION OF THE SLAB, NO LARGE TREES OR SHRUBBERY SHALL BE PLANTED WITHIN 15' FROM THE SLAB'S EDGE AND PROPER DRAINAGE AWAY FROM THE SLAB IS TO BE PROVIDED.

17. THE ENGINEER SHALL BE NOTIFIED AT LEAST ONE DAY PRIOR TO INSPECTIONS FOR BOTH CONCRETE POURS AND TENDON STRESSING.

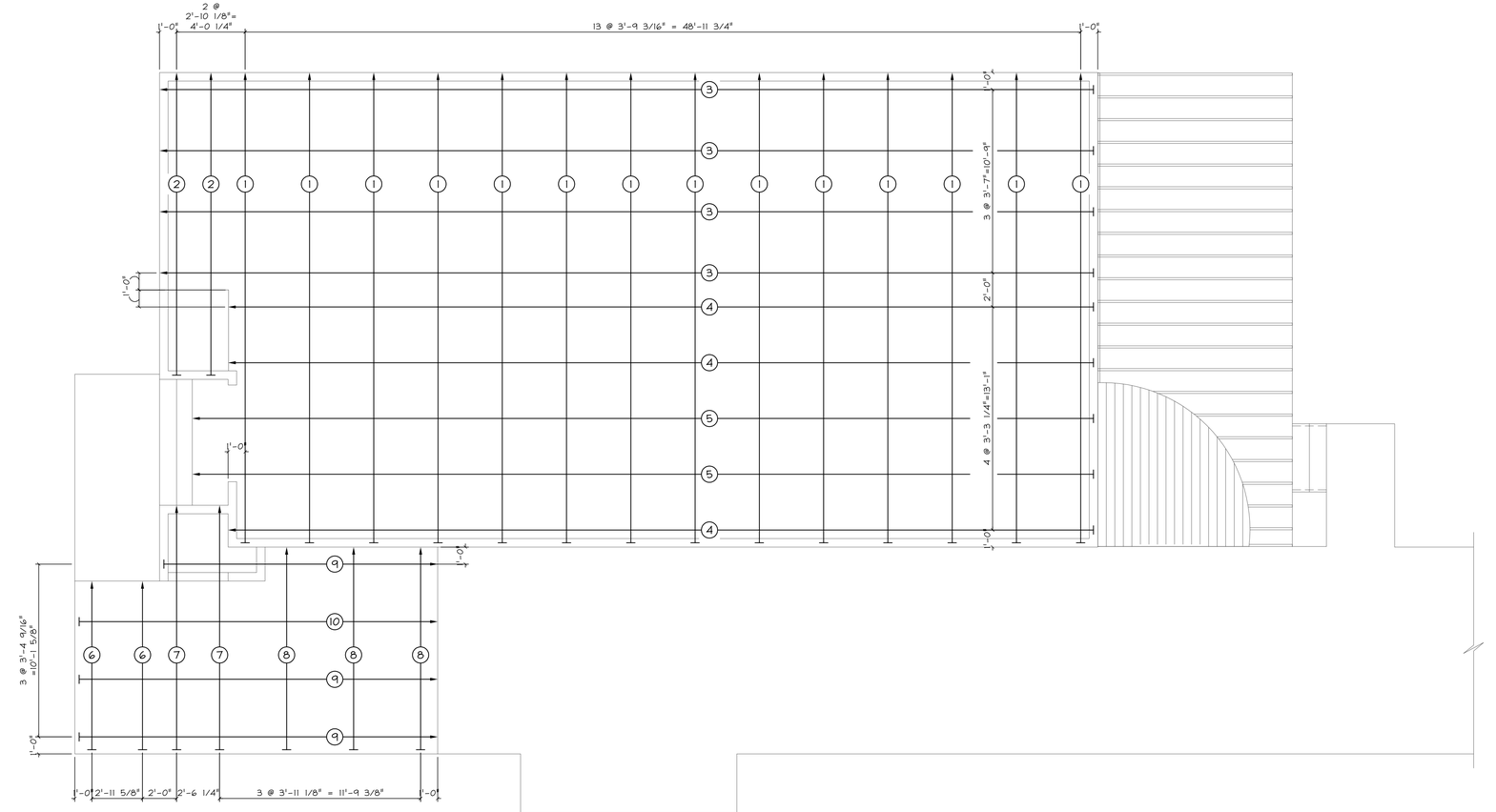
18. ANY CHANGES OR VARIATIONS OF THE ABOVE SHALL BE APPROVED BY THE ENGINEER.

WE, LYNN & ASSOCIATES ENGINEERING, LLC., CERTIFY THAT THIS FOUNDATION SLAB HAS BEEN DESIGNED IN ACCORDANCE WITH RECOGNIZED ENGINEERING PRACTICES.

THE DESIGNED PARAMETERS WERE BASED ON THE CONDITION OF THE SOIL IN THE IMMEDIATE AREA.
NO GEOTECHNICAL INFORMATION WAS GATHERED ON THE SUBJECT PROPERTY.

_____
LICENSED PROFESSIONAL ENGINEER
LYNN & ASSOCIATES ENGINEERING, LLC.

DATE: _____




TENDON LAYOUT PLAN
SCALE: 1/4"=1'-0"

SHEET NO. S2.0

CIN3401R

16 APRIL 13

LYNN & ASSOCIATES, LLC
CONSULTING AND ENGINEERING
1201 6TH STREET
BAY CITY, TEXAS 77414
PH: (979) 245-8900
FAX: (979) 245-5345
FIRM No. F-11605

The Gruene House
Cinnamon Shore
175 Seaside Dr.
Port Aransas, TX 78373

STATE OF TEXAS
STEVEN LYNN
LICENSED PROFESSIONAL ENGINEER

ESIGN
317.262.1220 tel
317.262.1260 fax
www.dreinetdesign.com
Architecture
Interiors
Construction Management