

POST-TENSIONING PLAN NOTES:

- REFER TO SHEETS S1.01 S1.03 FOR ADDITIONAL INFORMATION INCLUDING CONVENTIONAL REINFORCEMENT REQUIREMENTS.
- 2. REFER TO SHEETS S3.01 S3.05 FOR TYPICAL POST-TENSIONED SLAB DETAILS.
- TENDON DRAPES ARE MEASURED UPWARD FROM THE BOTTOM OF THE CONCRETE SOFFIT TO THE CENTER OF GRAVITY (CG) OF THE TENDON.
- 4. TENDON PROFILES SHALL CONFORM TO CONTROL POINTS SHOWN ON THE STRUCTURAL DRAWINGS AND SHALL BE IN APPROXIMATE PARABOLIC DRAPE BETWEEN SUPPORTS, POINTS OF INFLECTION, AND LOW POINTS.
- 5. BANDED TENDON FORCES SHOWN AS F=___K ON PLAN, INDICATE THE EFFECTIVE POST-TENSION FORCE IN KIPS (AFTER ALL POST-TENSIONING LOSSES HAVE OCCURRED) TO BE PLACED SYMMETRICALLY ABOUT THE CENTERLINE, EXCEPT AT SLAB EDGE CONDITIONS.
- 6. UNIFORMLY SPACED TENDON FORCES SHOWN AS F=___K/FT ON PLAN INDICATE THE EFFECTIVE POST-TENSION FORCE IN KIPS PER FOOT OF SLAB (AFTER ALL POST-TENSIONING LOSSES HAVE OCCURRED). SPACING OF UNIFORM TENDONS OR GROUPS OF TENDONS SHALL NOT EXCEED EIGHT TIMES THE SLAB THICKNESS, FIVE FEET, OR SPACINGS NOTED ON PLAN. PROVIDE A MINIMUM OF TWO POST-TENSIONING TENDONS THROUGH THE CRITICAL SHEAR SECTION AT THE COLUMN AS SHOWN IN THE TYPICAL DETAILS.
- 7. RECOMMENDED PLACEMENT SEQUENCE OF TENDONS:
- A. PLACE TENDON GROUP AT COLUMN CENTERLINE FOR UNIFORMLY SPACED TENDONS FIRST.
- B. PLACE BANDED TENDONS SECOND.
- C. PLACE REMAINING UNIFORMLY SPACED TENDONS.
- 8. SLIGHT HORIZONTAL PLAN DEVIATIONS OF SLAB TENDONS ARE PERMISSIBLE WHEN REQUIRE TO AVOID OPENINGS, INSERTS, AND DOWELS WHICH ARE SPECIFICALLY LOCATED. THE DEVIATION SHALL HAVE A RADIUS OF CURVATURE OF NO LESS THAN TWENTY—ONE FEET OR A HORIZONTAL DEVIATION OF NO MORE THAN 1 TO 12. REFER TO TYPICAL DETAILS FOR ADDITIONAL REINFORCEMENT REQUIRED AT CURVED TENDONS.
- 9. UNIFORMLY SPACED TENDONS SHALL BE STRESSED BEFORE BANDED TENDONS.

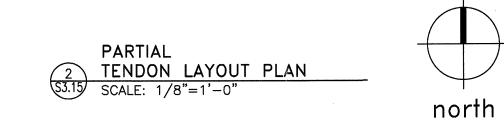
LEGEND

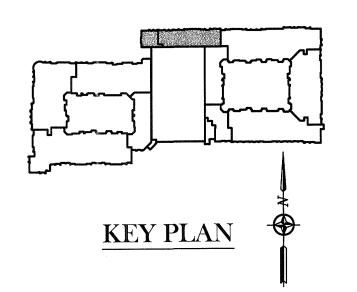
= TENDON LIVE END (STRESS END)

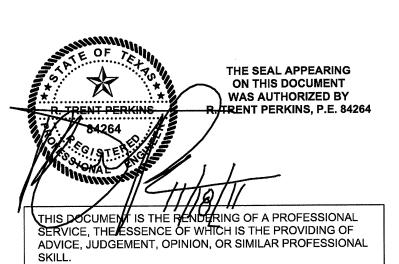
= TENDON DEAD LOAD

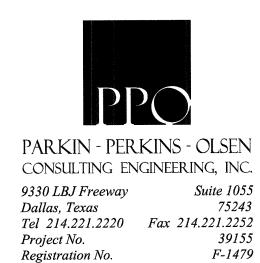
S = TENDON DRAPE

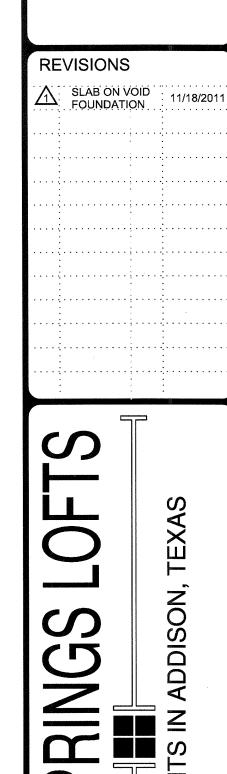
XREF SHEETS:











KELLER SPRINGS L(

CONSTRUCTION ISSUE 10-17-2011



bgoarchitects.com

DATE

08-05-2011

PROJECT

SHEET NUMBER

S3.15