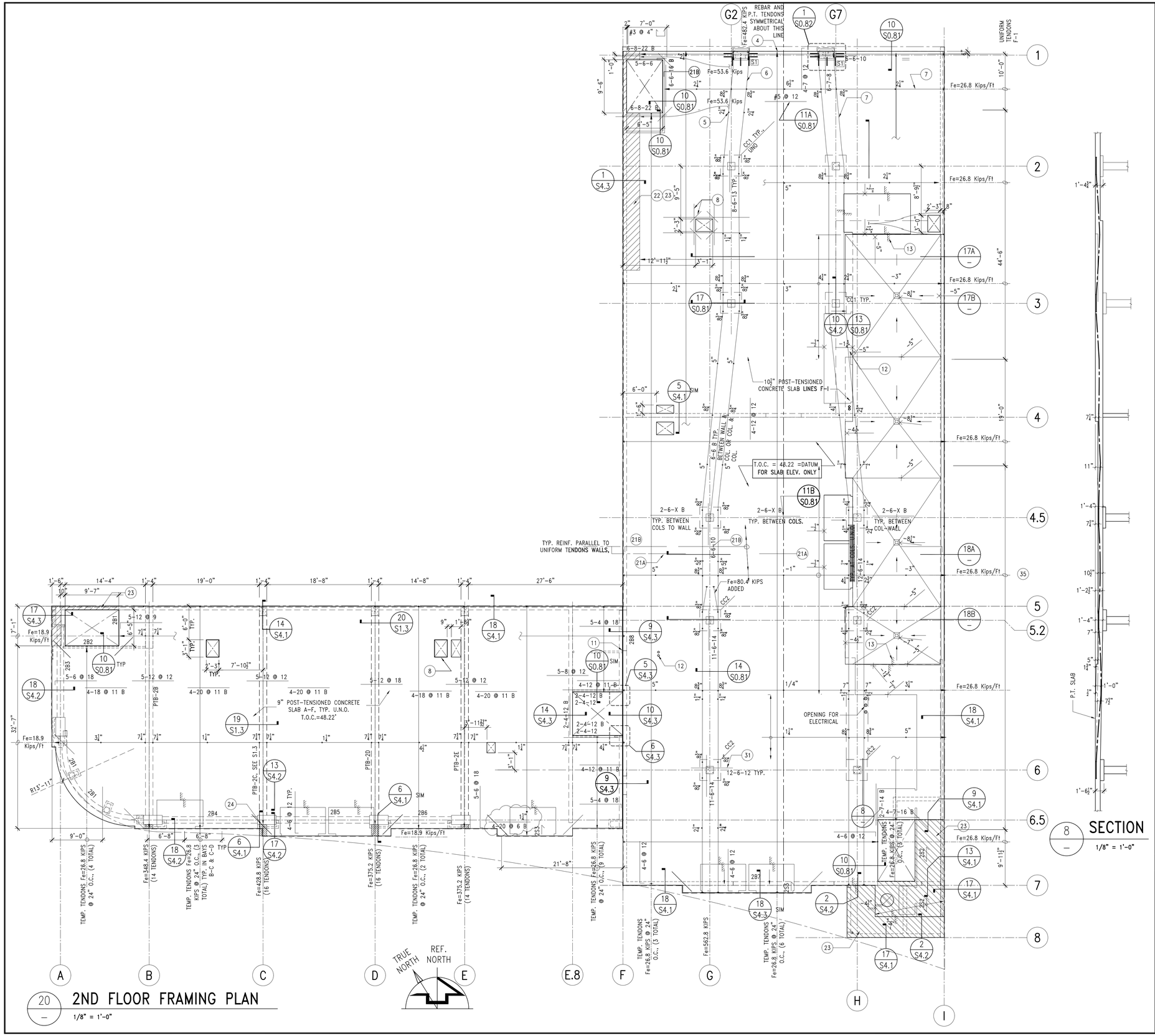

20 — 2ND FLOOR FRAMING PLAN
1/8" = 1'-0"

8 — SECTION
1/8" = 1'-0"

TYP. FRAMING PLAN NOTES

1. FOR GENERAL NOTES, CODES, MATERIALS, LEGEND AND ABBREVIATIONS, SEE SHEET S0.1 & S0.2.
2. VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
3. FOR TYPICAL CONCRETE DETAILS, SEE S03.1 TO S03.3. FOR TYPICAL POST-TENSIONED DETAILS SEE S0.81-S0.83.
4. PLACE ALL P.T. TENDON ANCHORS AT MID-HEIGHT OF SLAB.
5. ALL TENDON PROFILES SHOWN ON THIS PLAN ARE MEASURED FROM THE BOTTOM OF THE SLAB (TYP. T.O.C-SLAB THICKNESS) TO C.G.S. OF 1/2" DIA. TENDON.
6. MINIMIZE OR ELIMINATE HORIZONTAL CURVATURE WHENEVER POSSIBLE, U.N.O.
7. SUPPORT UNIFORMLY PLACED TENDONS WITH A CONTINUOUS #4 @ 36" O.C. MAX. SUPPORT BANDED TENDONS WITH #4 X 6'-0" AT 36" O.C. MAX. SPLICE SUPPORT BARS WITH A 24" LAP MIN.
8. FOR REINFORCING AROUND SLAB OPENINGS, SEE DETAILS 4, 8, 12, & 20/S0.81.
9. FOR CHAIRS AND SUPPORTS, SEE DETAIL 16/S0.81
10. CRACKS IN SLABS AND WALLS
    A – CRACKS ARE LIKELY TO OCCUR.
    B – CRACKS DO NOT NORMALLY IMPAIR THE STRUCTURAL INTEGRITY OF SLABS.
    C – SLABS SHOULD HAVE A ONE-TIME CRACK MAINTENANCE OPERATION WHICH CONSISTS OF:
        1) INSPECTING AND EVALUATING SLABS AND SUPPORTING MEMBERS TWO YEARS AFTER CONSTRUCTION,
        2) DETERMINING CRACKS TO BE REPAIRED,
        3) REPAIRING CRACKS.
11. 1" SLAB SEISMIC JOINT.
12. TWO (2) 4" DIA. HOLES FOR WATER HEATER OR AIR EXHAUST.
13. STEP TOP OF CONCRETE SLAB, SEE DTL 7 & 11/S5.4.
21. TYPICAL REINFORCEMENT PARALLEL TO UNIFORMLY DISTRIBUTED TENDONS FOR SLAB F-I/1-7.
    A. BOTTOM REBAR: #4 @ 12" O.C., SPLICE REBAR OVER CENTERLINE CONNECTING ADJACENT COLUMNS WITH A 24" MINIMUM LAP. SEE PLAN FOR ADDED REBARS.
    B. TOP REINFORCEMENT: #4 @ 12" O.C. PLACE TOP REINF. OVER BANDS OR EXTERIOR BEARING WALLS. EXTEND BARS TO THE 1/4 POINT OF ADJACENT SPAN, UNO ON PLAN. PROVIDE 90° HOOK AT EXTERIOR WALLS. SEE PLAN FOR ADDED BARS.
22. CLOSURE STRIP, 3'-0" WIDE MIN. OR AS REQ'D FOR STRESSING PT TENDONS.
23. CONVENTIONALLY REINFORCED, NON-PRESTRESSED, CONCRETE SLAB, PLACE 30 DAYS AFTER STRESSING OF PT SLAB.
24. STRESSING BLOCKOUT.

COLUMN CAPITAL SCHEDULE

MK	SIZE			REMARKS
	Lns (in)	Lew (in)	Hcc (in)	
CC1	45	45	6¼"	
CC2	45	45	8"	

Lns . . . INDICATES LENGTH OF COL. CAPITAL IN NORTH-SOUTH DIRECTION CENTERED OVER THE COLUMN.
Lew . . . INDICATES LENGTH OF COL. CAPITAL IN EAST-WEST DIRECTION CENTERED OVER THE COLUMN.
Hcc . . . INDICATES THICKNESS OF COLUMN CAPITAL BELOW THE SLAB.

COLUMN SHEAR REINFORCEMENT

MK	MFR	RAILS PER COLUMN	STUDS PER RAIL	STUD ø (in)	STUD SPACING (in)	DISTANCE TO 1ST STUD (in)	OVERALL HEIGHT (in)	REMARKS/DETAIL
S1	DECON	7	5	½"	5	5	8¾"	1/S0.82

TOP COVER OF STUDS SHALL BE 1½" AND BOTTOM COVER SHALL BE 1".

NOTATIONS & SYMBOLS

31. TOP REINFORCEMENT OVER COLUMN
    6-5-8 — BAR LENGTH (FT) / BAR SIZE / TOTAL NUMBER OF BARS
    PLACEMENT SEQUENCE
    1. REBARS PARALLEL TO BANDS ARE TOP UPPER.
    2. REBARS PERPENDICULAR TO BANDS ARE TOP LOWER
    3. FOR REINFORCING PLACEMENT OVER SUPPORTS SEE DTLS 3, 7, 13, & 17/S0.81.
    4. AT SLAB EDGES, TERMINATE BARS WITH A STD 90° HK. SEE PLAN FOR SIZE AND SPACING.
    5. SEE NOTE 21 FOR BAR EXTENT.
32. TOP DISTRIBUTED REINFORCEMENT
    5-16 @ 12 — SPACING (IN) O.C. / BAR LENGTH (FT) / BAR SIZE
33. BOTTOM REINFORCEMENT-BANDED TENDON DIRECTION
    6-4-19 B — BOTTOM REBAR / BAR LENGTH (FT) / BAR SIZE / TOTAL NUMBER OF BARS
    REBAR PLACEMENT SEQUENCE
    1. PLACE BARS PARALLEL AND WITHIN WIDTH OF BANDED TENDONS, SEE DTL 11/S0.81.
34. BOTTOM DISTRIBUTED REINFORCEMENT
    5-16 @ 12 B — BTM BARS / SPACING (IN) O.C. / BAR LENGTH (FT) / BAR SIZE
35. POST-TENSIONING REINFORCEMENT
    Fe=310.0 Kips — INDICATES EFFECTIVE POST TENSION FORCE IN TENDONS AFTER ALLOWANCE FOR ALL PRESTRESS LOSSES. IS GIVEN IN KIPS AT BANDED AND IN KIPS PER FOOT AT UNIFORM TENDONS.
    INDICATES DEAD END
    INDICATES STRESSING END
    5" — TENDON PROFILE

LEGEND

- 2B1 — INDICATES 2ND FLOOR CONVENTIONALLY REINFORCED BEAM TYPE 1, SEE SCHEDULE ON S1.3
- PTB-2B — INDICATES 2ND FLOOR PRESTRESSED BEAM TYPE B, SEE SCHEDULE ON S1.3
- 2S1 — INDICATES 2ND FLOOR CONVENTIONALLY REINFORCED SLAB TYPE 1, SEE SCHEDULE ON S1.3; ARROW DIRECTION INDICATES MAIN REINFORCING DIRECTION.
- INDICATES T.O.C. ELEVATION RELATIVE TO THE TYP. T.O.C. ELEVATION AS NOTED ON PLAN.

FOR GRAPHIC SYMBOLS SPECIFIED ON THE PLAN AND NOT INCLUDED IN THIS LEGEND SEE LEGEND ON SHEET S0.1.

CITY APPROVAL STAMP

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SHEET TITLE: 2ND FLOOR FRAMING PLAN

REVISIONS

JOB NUMBER: J2002.060
DRAWN BY: TD
CHECKED BY: NCT
SCALE (U.O.N.): AS SHOWN
DATE: 2/29/08

SHEET NUMBER: **S1.2**
4 OF _ SHEETS