

**3RD FLOOR PLAN NOTES AND LEGEND:**

**SLAB B = 5-1/2" THICK (TOTAL) LIGHTWEIGHT CONCRETE ON 2VLI 18 GAGE GALVANIZED COMPOSITE METAL FLOOR DECK REINF. WITH WWF 4x4 W4.0/W4.0 CENTERED IN CONCRETE THICKNESS ABOVE METAL DECK. TOP OF CONCRETE AT EL. 35'-8" (U.N.O.).**

**E.O.A. = EDGE OF ANGLE. PROVIDE CONTINUOUS EDGE ANGLE ALONG EDGES WHERE THIS DIMENSION IS INDICATED. SEE DETAIL 1/S501 AND 2/S501 FOR MORE INFORMATION.**

▶ INDICATES MOMENT CONNECTION PER 8/S503,  
U.N.O.

**B.O.C.** = BEAM OVER COLUMN. FASTEN PER 7/S502 (U.N.O.)

**C.O.B.** = COLUMN ON BEAM. FASTEN PER 2/S502 (U.N.O.)  
WIDE FLANGE BEAMS. WELD ALL AROUND WITH 1/4" FILLER  
WELD AND FLARE BEVEL GROOVE WELD AT HSS BEAMS.

**C.J.** = CONSTRUCTION JOINT PER 10/S500

**E.P. = ELEVATOR POSTS. PROVIDE HSS6x6x3/8 POSTS AT GUIDE LOCATIONS ALONG ELEVATOR SHAFT. EXACT NUMBER AND LOCATION OF EACH POST SHALL BE DETERMINED BY GENERAL CONTRACTOR BASED ON LOCATION OF ELEVATOR RAILS. SEE DETAIL 4/5501 FOR POST CONNECTION DETAILS.**

**PRE-ENGINEERED METAL STAIRS** = PRE-ENGINEERED METAL STAIRS DESIGNED AND PROVIDED BY STAIR SUPPLIER. SEE DETAIL 1/S507, 2/S507, AND GENERAL NOTE FOR MORE INFORMATION ON PRE-ENGINEERED METAL STAIRS. RE: ARCH. FOR INFORMATION OF STAIR LAYOUT AND GEOMETRY.

**MONUMENTAL STAIRS** = PROVIDE PRE-ENGINEERED MONUMENTAL STEEL STAIRS SPANNING FROM BEAM ON 2ND FLOOR TO EDGE OF 3RD FLOOR. STRINGERS SHALL BE HSS20x8 WITH 1/2" MINIMUM WALL THICKNESS. SEE 3/50C. STRINGERS SHALL BE BENT AND SPLICED WITH CJP WELDS AT INTERMEDIATE LANDING IN STEEL STAIRS FOR SPAN CONTINUITY. STRINGERS SHALL BE DESIGNED TO ATTACH TO WEB OF 3RD FLOOR EDGE BEAM. RE: ARCH. FOR ALL AESTHETICS, GEOMETRY, AND OTHER REQUIREMENTS.

SEE DETAILS 4/S500 FOR TYPICAL REQUIREMENTS AT FLOOR PENETRATIONS.

SEE DETAIL 2/S404 FOR HOUSEKEEPING PADS AT MEP  
EQUIPMENT (NOT SHOWN ON FRAMING PLAN).

ALL OVERFLOW DRAIN INLETS ON ROOF SHALL BE SET TWO INCHES ABOVE PRIMARY DRAIN INLETS.

ALL RECTANGULAR HSS MEMBERS SHALL BE ORIENTED WITH LONG SIDE VERTICAL UNLESS NOTED OTHERWISE.

**CEILING GRID SUPPORT** = THE GENERAL CONTRACTOR SHALL DESIGN AND PROVIDE STRUT CHANNEL METAL FRAMING SUPPORT IN CEILING FOR X-RAY EQUIPMENT IN ACCORDANCE WITH SPECIFICATION 05 1600. GC TO COORDINATE BETWEEN STRUT CHANNEL METAL FRAMING SUPPLIER AND X-RAY EQUIPMENT SUPPLIER AS REQUIRED FOR ALL LOADING, ATTACHMENTS, AND AOTHR REQUIREMENTS.

**[A]** = INDICATES A BEAM WHICH SHALL HAVE AN L2-1/2x2-1/2x3/16 KICKER BRACE AT 1/3 POINTS ALONG SPAN OF BEAM IN ACCORDANCE WITH DETAIL 5/S501.

**[B] = WELD FLANGES OF WF STUB BEAM TO COL. FLANGE WITH CJP WELD. ATTACH WEB OF WF STUB BEAM TO WF COL. WITH STANDARD DOUBLE ANGLE CONNECTION. FASTEN HSS BEAM TO COL. PER 2/S505.**

[C] = FASTEN HSS BEAMS TO WF COLUMN PER 2/S503 AND 13/502 AS APPLICABLE.

**[D] =** AT COLUMN INDICATED FIELD WELD HSS BEAM TO COLUMN DIRECTLY ALL AROUND WITH 5/16" FILLET WELD TOP AND BOTTOM AND CJP WELD ALONG SIDES, GRIND WELDS SMOOTH FOR SEAMLESS APPEARANCE.

**[E] =** AT LOCATION INDICATED, FASTEN HSS BEAM TO W24 BEAM PER 6/S501. FASTEN W12 BEAM TO W24 BEAM PER 1/S500, EXCEPT REDUCE "g1" DIMENSION TO 3-1/2" TO AVOID CONFLICTS WITH 6/S501 CONNECTION.

**[F]** = INDICATES BEAM WITH GALV. L6x6x3/8 BRICK SHELVES SHOP WELDED ALONG BEAM FOR BRICK AND/OR WINDOW SUPPORT. PROVIDE 3/8" GALV. CONNECTOR PLATES WHERE REQUIRED AT BUMP-OUTS (2'-0" O.C. MAX, 2 MINIMUM PER SEGMENT). RE: ARCH. FOR EXTENTS AND DETAILS.

**COMPOSITE BEAM SHORING NOTE**

ALL BEAMS AND GIRDERS LONGER THAN 14 FEET SHALL BE SHORED AT MID-SPAN. BEAMS LONGER THAN 22 FEET SHALL HAVE TWO SHORES AT THIRD POINTS ALONG SPAN. BEAMS LONGER THAN 32 FEET SHALL HAVE THREE SHORES AT QUARTER-POINTS ALONG SPAN. BEAMS LONGER THAN 44 FEET SHALL HAVE FOUR SHORES AT FIFTH-POINTS ALONG SPAN. BEAMS SHORES TO HAVE A MINIMUM OF 7000 lbs. OF CAPACITY PER FLOOR SUPPORTED, AND REMAIN IN PLACE UNTIL CONCRETE HAS REACHED AT LEAST 2300 psi AND FOR A MINIMUM OF 4 DAYS.

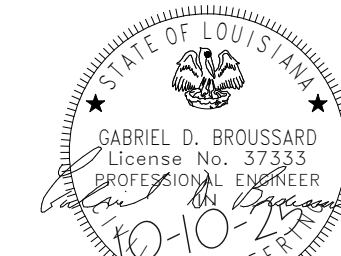
SHORES SHALL REMAIN IN PLACE AT TWO LEVELS BELOW CONCRETE DECK LEVEL BEING POURED (I.E. 3rd LEVEL DOWN TO GROUND). GC AND SHORING SUPPLIER SHALL COORDINATE SEQUENCING AND WHETHER LOWER SHORES ARE DESIGNED TO SUPPORT TWO LEVELS OF CONCRETE OR IF LOWER SHORES TO BE ARE RELEASED (AFTER ABOVE STRENGTH/TIME REQUIREMENTS ARE MET) AND RE-TIGHTENED PRIOR TO PLACEMENT OF UPPER FLOOR CONCRETE.

IF SHORES ARE USED AT GROUND FLOOR WITH NO GROUND FLOOR SLAB PRESENT, THE ADDITIONAL LENGTH OF SHORES SHALL BE CONSIDERED WHEN SIZING AND ORDERING SHORES; STABLE, COMPACTED SUBGRADE SHALL BE PROVIDED; AND DUNNAGE OR FOOTINGS CAPABLE OF SPREADING LOAD OVER A 3 FOOT x 3 FOOT AREA SHALL BE USED UNDER SHORE.

ALL SHORES BEARING ON AN ELEVATED CONCRETE FLOOR SHALL BEAR DIRECTLY OVER STEEL BEAM LOCATIONS. PROVIDE BEAMS OR WALERS BETWEEN SHORES AT TOP OF SHORES TO DISTRIBUTE LOAD AS REQUIRED WHEN A SHORED BEAM DOES NOT ALIGN WITH A BEAM ON THE FLOOR BELOW.

FOR CANTILEVERED OR OVERHANGING BEAMS THAT ARE OUTSIDE OF FOOTPRINT OF FLOOR BELOW, EXTEND LENGTH OF SHORES TO GROUND FLOOR OR CLOSEST FLOOR WITHIN FOOTPRINT AND PROVIDE FRAME SHORING WITH CROSS-BRACING DESIGNED BY SHORING SUPPLIER FOR REQUIRED STABILITY.

PROVIDE SHORING SUBMITTAL INCLUDING A PLAN LAYOUT OF ALL SHORES FOR REVIEW AND APPROVAL.

[illegible]

## KEYPLAN

THIRD FLOOR  
FRAMING PLAN

**S103**