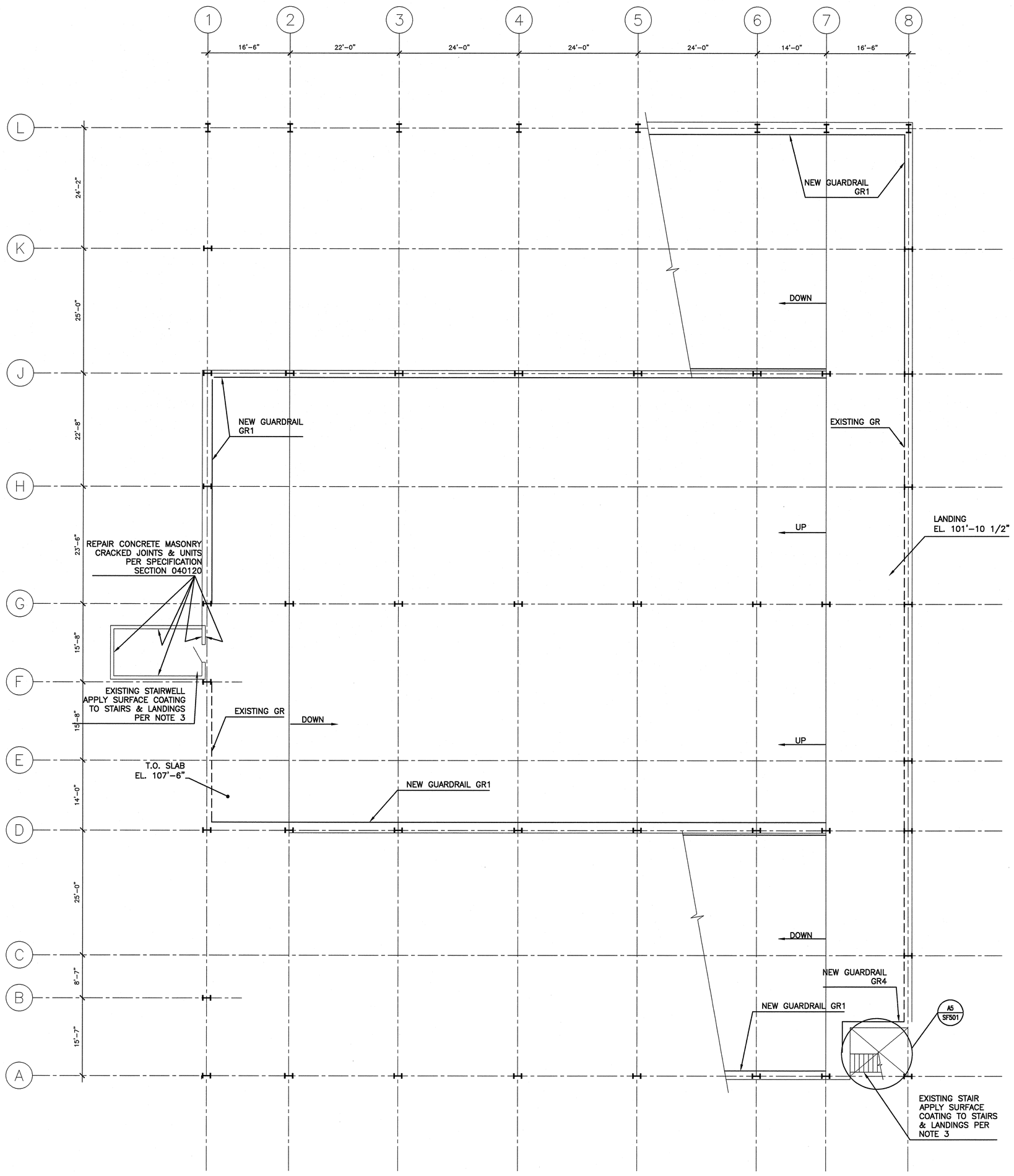

SLAB PLAN – EL. 101'–10 1/2" TO EL. 107'–6"

NOTES:

1. NEW GUARDRAIL TYPES
   GR1 – WIDE FLANGE W12x22 GUARDRAIL FASTENED TO EXISTING W6 POSTS. WHERE CANTILEVERED ENDS EXTEND MORE THAN 1'–10" BEYOND LAST POST, CONNECT TO EXISTING COLUMNS. SEE SECTION N1/SF501 & DETAIL J1/SF501. THIS SECTION IS TYPICAL AT THE PERIMETER UNLESS OTHERWISE NOTED.

   GR2 – SAME AS GUARDRAIL GR1 EXCEPT USE W12x30 BEAM. THIS SECTION IS INTENDED TO APPLY ONLY WHERE EXISTING DIAGONAL BRACING INTERFERES W/W6 POSTS.

   GR3 – FLEX–BEAM GUARDRAIL (10GA) PER AASHTO SPECIFICATION M 180 ATTACHED TO W6x16 POSTS. POSTS MAY BE DRIVEN INTO EXISTING PAVEMENT/SOIL OR SET IN PLACE BY EXCAVATION & BACKFILL. SEE ELEVATION J5/SF501

   GR4 – WIDE FLANGE W12x22 GUARDRAIL FASTENED TO W6x16 POSTS ANCHORED TO EXISITNG SLAB. SEE SECTION E1/SF501. THIS GUARDRAIL INCLUDES PEDESTRIAN PROTECTION IN ADDITION TO VEHICLE PROTECTION.

   GR5 – WIRE ROPE GUARDRAIL @ RAMPS. PROVIDE 4 @3/4"ø & 6 @1/4"ø. WIRE ROPE SHALL BE 6x19IWRC EXTRA IMPROVED PLOW STEEL. WIRE ROPE & FITTINGS SHALL BE HOT–DIPPED GALVANIZED. PROVIDE TOUCH–UP PAINT @ DRILLED HOLES AS SPECIFIED FOR COLUMN REPAINTING @ LOWER LEVELS OF COL. G5 & G6. SEE SECTION J14/SF501 & TYPICAL TERMINATION DETAIL E14/SF501.

   GR6 – SAME AS GR5 EXCEPT WIRE ROPE IS SECURED TO STEEL PLATES WELDED TO EXISTING COLUMNS. SEE SECTION N1/SF502 FOR TYPICAL DETAIL & SECTION J1/SF502 FOR DETAIL @ TERMINATION.

2. DIMENSIONS & MEMBER SIZES ARE ESTIMATIONS BASED ON PREVIOUSLY PREPARED DOCUMENTS & FIELD MEASUREMENTS.

3. AT STAIRS INSTALL GENERAL POLYMERS EPO–FLEX PEDESTRIAN TOPPING SYSTEM AS FOLLOWS:

   A. PREPARE CONCRETE SURFACES BY ABRASIVE BLAST CLEANING TO ATTAIN A CONCRETE SURFACE PROFILE CSP 3–5 AS SPECIFIED BY THE INTERNATIONAL CONCRETE REPAIR INSTITUTE (ICRI) TECHNICAL GUIDELINE No. 03730. FILL CRACKS AND OTHER DEFECTS AS RECOMMENDED BY THE MANUFACTURER.

   B. CLEAN STEEL RISERS AND NOSINGS BY WIRE BRUSH OR OTHER METHODS AS REQUIRED TO REMOVE RUST.

   C. COMPLY WITH OTHER SURFACE PREPARATION REQUIREMENTS, COMPONENT MIXING, HANDLING, AND METHODS OF APPLICATION AS SPECIFIED BY THE MANUFACTURER.

   D. APPLY GENERAL POLYMERS 3579 PRIMER IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS OVER STAIR TREADS, RISERS, AND LANDINGS. ALLOW PRIMER TO BECOME TACKY BEFORE APPLYING FIRST BASE COAT.

   E. APPLY 2 COATS OF GENERAL POLYMERS 3555 EPO–FLEX HD EPOXY TO STAIR TREADS AND LANDING SURFACES. ALLOW CURING TIME BETWEEN COATS AS SPECIFIED BY THE MANUFACTURER. APPLY FIRST COAT TO A MINIMUM WET FILM THICKNESS OF 20 MILS. APPLY SECOND COAT TO A MINIMUM WET FILM THICKNESS OF 10 MILS.

   F. BROADCAST GENERAL POLYMERS 5310 DRY SILICA SAND (30 MESH) ONTO STAIR TREADS AND LANDING SURFACES WHILE SURFACE IS WET FROM THE SECOND COAT OF EPO–FLEX HD EPOXY. APPLY AGGREGATE WITHIN 1 HOUR OF APPLICATION OF SECOND COAT OF EPO–FLEX HD EPOXY.

   G. ALLOW TO CURE 24 HOURS AND SWEEP OFF EXCESS AGGREGATE. SMOOTH HIGH SPOTS.

   H. APPLY GENERAL POLYMERS 4618 HI–SOLIDS POLYURETHANE SEAL COAT TO ALL STAIR TREADS, RISERS, AND LANDING SURFACES. ALLOW SEAL COAT TO CURE FOR 24 HOURS PRIOR TO OPENING TO TRAFFIC.

REV.	DESCRIPTION	DATE
0	ISSUED FOR PERMITTING	7–18–07

ISSUED FOR PERMITTING
07–18–07

CURRENT ISSUE STATUS:

PROJECT NORTH

STATE OF MAINE
MICHAEL ALAN CUNNINGHAM
5519
LICENSED PROFESSIONAL ENGINEER

SMRT

ARCHITECTURE ENGINEERING PLANNING

SMRT
144 Fore Street/P.O. Box 618
Portland, Maine 04104
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fax. (207) 772–1070

PROJECT: PROJECT 1
110 FREE STREET
LOCATION

SHEET TITLE:
EIGHTH LEVEL
PARKING DECK PLAN

SCALE:	3/32"=1'–0"	DATE:	7–02–07
PROJECT MANAGER:	JLH	GRAPHIC SCALE:	0" 1"
JOB CAP/DRAWN:	LVF		
A/E OF RECORD:	MAC	SHEET No.	
SMRT CAD FILE:	SF108–07087		SF108
PROJECT No.	07087		

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A1 | –

3/32" = 1'–0"