



REVISIONS

These drawings are the property of Davis Kone Architects, P.A. They may not be used for any purpose without written permission.  
 Copyright © 2019 by Davis Kone Architects, P.A. All rights reserved.

PA: RS  
 PM: SB  
 Drawn By: GM  
 Plot Date: 10/23/2019 3:58:41 PM

**FIRE-RESISTANCE RATINGS FOR STRUCTURAL ELEMENTS GENERAL NOTES:**

- SEE SHEETS T-3.1 THROUGH T-3.6 FOR UL RATED ASSEMBLIES.
- EXISTING FIRE RATED ASSEMBLIES ARE TO BE PROTECTED AND MAINTAINED PER UL DETAILS GIVEN. AT RATED PARTITIONS INDICATED TO REMAIN, PROVIDE AIR TIGHT FIRESTOPPING AND FIRE SEALANT TO SEAL WALLS TO DECK, TO FLOOR, AND ALL PENETRATIONS (EXISTING AND NEW).
- COORDINATE WITH OWNER'S TESTING AGENCY TO DETERMINE CONDITION OF EXISTING FIRE PROTECTION SYSTEMS. ALL EXISTING FIRE PROTECTIONS SYSTEMS ARE ASSUMED TO BE INTACT AND IN COMPLIANCE WITH APPLICABLE UL DETAILS. PRE-EXISTING CONDITIONS FOUND TO NOT BE IN COMPLIANCE SHALL BE DOCUMENTED AND BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO PROCEEDING WITH THE WORK.
- CONTRACTOR SHALL REPAIR AND REPLACE ALL EXISTING FIRE PROTECTION SYSTEMS WHEN DAMAGED OR ALTERED DURING THE COURSE OF PERFORMANCE OF THE WORK. OWNER'S TESTING AGENT WILL INSPECT AND APPROVE ALL REPAIRS.
- OTHER MANUFACTURERS OF FIRE PROTECTION SYSTEMS MAY BE UTILIZED PROVIDED THE CONTRACTOR SUBMITS ALL DOCUMENTATION INDICATING SYSTEM PERFORMANCE IS NOT ALTERED OR REDUCED, THAT IT IS FULLY COMPATIBLE WITH ALL OTHER COMPONENTS, THAT IT IS ACCEPTABLE TO THE AUTHORITIES HAVING JURISDICTION AND THAT IT SATISFIES THE UL REQUIREMENTS.

**RATED ASSEMBLIES LEGEND AND NOTES:**

NOTE: RATINGS ARE NOT SHOWN THROUGH DOORS FOR CLARITY. SEE A-0.0 FOR PARTITION TYPES. SEE LIFE SAFETY PLANS ON T-2.1 - T-2.2 FOR FULL EXTENT OF RATINGS INCLUDING HORIZONTAL RATINGS. RATINGS ARE CONTINUOUS AROUND PENETRATIONS AND OPENINGS ARE TO BE PROTECTED IN ACCORDANCE WITH THE NC STATE BUILDING CODE. PROTECT ALL PENETRATIONS.

SEE T-SHEETS FOR UL ASSEMBLIES AND ADDITIONAL INFORMATION.

- EXISTING 1-HR RATED FIRE BARRIER
- EXISTING 2-HR RATED FIRE BARRIER
- NEW SMOKE RESISTANT WALL

NOTES:  
 LINES INDICATE REQUIRED FIRE SEPARATIONS. SEE PLANS FOR ANY NEW WORK REQUIRED TO EXISTING CONDITIONS TO MEET REQUIRED FIRE RATED ASSEMBLY.  
 ROOMS REQUIRING SEPARATION BY A SMOKE RESISTANT WALL ARE REQUIRED TO HAVE ALL PENETRATIONS THROUGH THE WALLS AND ELEVATED FLOOR SLABS ABOVE OR BELOW SEALED TO RESIST THE PASSAGE OF SMOKE.

**FIRE-RESISTANCE RATINGS FOR STRUCTURAL ELEMENTS:**

- A1** PATCH 2-HR FIRE RATED COLUMN, UL X723. (EXISTING)
- A2** PAINT 2-HR FIRE RATED COLUMN, UL Y633. (EXISTING)
- A3** PAINT 2-HR FIRE RATED COLUMN, UL Y634.
- B1** PATCH 2-HR FIRE RATED BEAM, UL G710 AS INDICATED BY LINE THIS
- B2** 2-HR FIRE RATED BEAM, UL N640, SEE WALL TYPES FOR UL CONDITION, AS INDICATED BY LINE THIS

**RATED FLOOR/CEILING ASSEMBLIES LEGEND**

FLOOR/CEILING ASSEMBLY MEETS 2-HR RATING PER G510.

**E1 2ND FLOOR STRUCTURAL FIRE PROTECTION PLAN**  
3/16" = 1'-0"

**A1 3RD FLOOR STRUCTURAL FIRE PROTECTION PLAN**  
3/16" = 1'-0"

Order Plans @

WWW.LDILLINE.COM