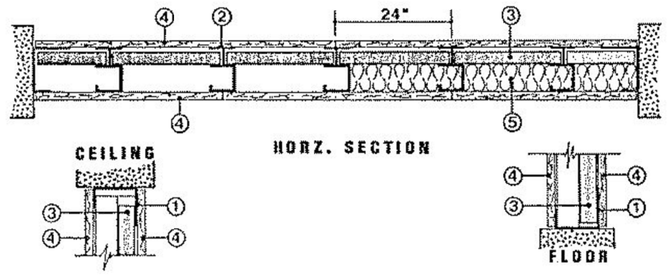
Design No. U429

October 13, 2015

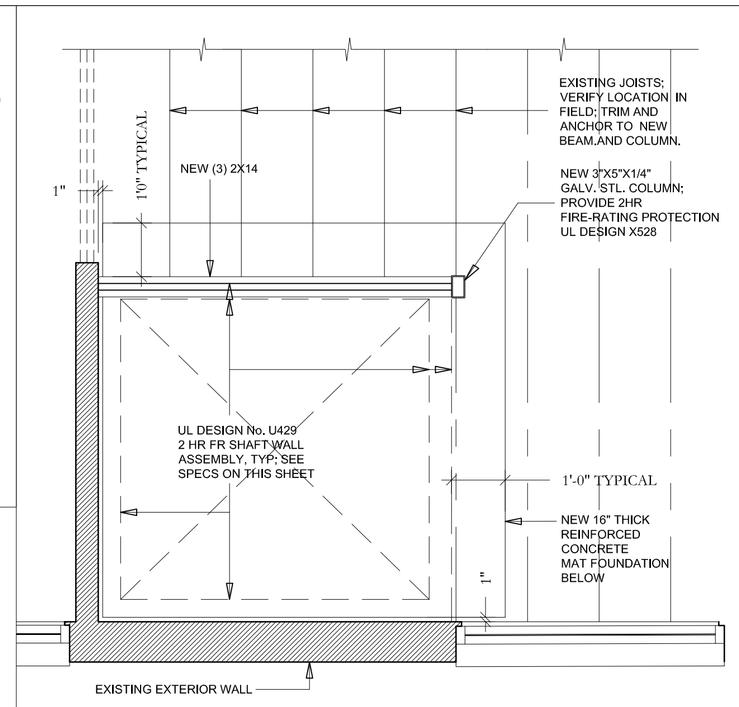
Nonbearing Wall Rating — 2 Hr

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

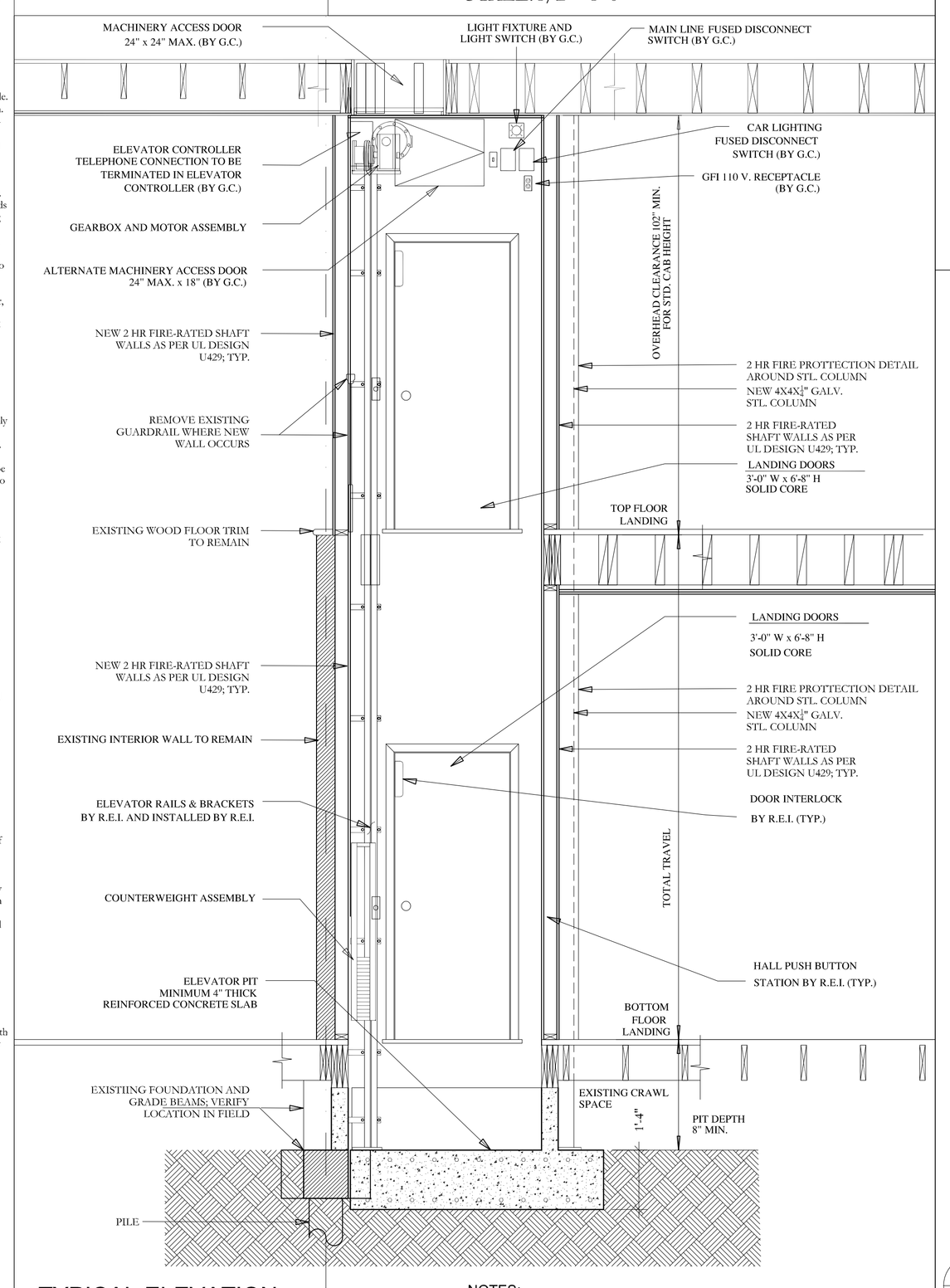


2 HR FIRE-RATED SHAFT WALL DETAIL

Design No. U429
October 13, 2015
Nonbearing Wall Rating — 2 Hr
* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.
1. Floor and Ceiling Runners — "J" -shaped, min. 2-1/2 in. wide with unequal legs of 1 in. and 2-1/4 in., fabricated from min. 25 MSG galv steel. Runners attached to structural supports with steel fasteners located not more than 2 in. from ends and not more than 24 in. OC.
1A. Steel Framing Members (Floor, Side and Ceiling Runners)* — As an alternate to Item 1. "J"-shaped runner,
min 2-1/2 in. deep, with unequal legs of 1 in. and min 2-1/4 in. fabricated from min 25 MSG galv steel (0.0179 in.
bare steel thickness). Runners positioned with short leg toward finished side of wall. Runners attached to structural
supports with steel fasteners located not greater than 2 in. from ends and not greater than 24 in. OC. Runners may be
supplied with secutement tabs for gypsum liner panels (refer to Item 3).
SCAFCO STEEL STUD MANUFACTURING CO — I-Stud Shaftwall Steel Framing System
2. Steel Studs — "C-T" or "C-H" shaped studs 1-5/8 in. wide by min. 2-1/2 in. deep, fabricated from min. 25 MSG
galv steel. Cut to lengths 3/4 in. less than floor to ceiling height and spaced 24 in. or 600 mm OC.
2A. Steel Framing Members (Steel Studs)* — As an alternate to Item 2. For use with Item 1A - "J"-shaped studs
fabricated from min 25 MSG galv steel, min 2-1/2 in. deep, 1-1/2 in. wide. Studs contain 3/4 in. wide by 2-1/4 in. high holding tabs spaced 2-3/4 in. OC. Cut to lengths 5/8 in. less than floor-to-ceiling height and spaced 24 in.
SCAFCO STEEL STUD MANUFACTURING CO — I-Stud Shaftwall Steel Framing System
3. Gypsum Board* — 1 in. thick gypsum wallboard liner panels, supplied in nom. 24 in. or 600 mm (for metric
spacing) widths. Panels cut 1 in. less in length than floor to ceiling height. Vertical edges of the panels inserted into "I" -shaped section of C-T studs or "H" section of the C-H studs. Free edge of end panels secured to long leg of J runner with tabs in runner or 1-5/8 in. long Type S self-tapping bugle head steel screws spaced not more than 12 in. OC. When J-shaped runners (Item 1A) are supplied with securement tabs, free edge of end panels may be secured by bending the securement tabs, max 12 in. OC, to a 90 degree angle to securely friction-fit panels into J-shaped.
AMERICAN GYPSUM CO — Types AG-S, M-Glass
CERTAINTEED GYPSUM INC — Types Shaftliner, EGRG Shaftliner, GlasRoc Shaftliner.
CONTINENTAL BUILDING PRODUCTS OPERATING CO, L L C — Type LGFCSL
GEORGIA-PACIFIC GYPSUM L L C — Types TP-6, DGUSL, and TRSL
NATIONAL GYPSUM CO — Types FSW, FSW-B, FSW-7, FSW-9
PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Types PG-10 and PG-10G
THAI GYPSUM PRODUCTS PCL — Type Shaftliner
4. Gypsum Board* — 1/2 or 5/8 in. thick, 4 ft wide, applied vertically and attached to studs and runners with 1 in. long Type S steel screws starting at 2 in. from the top and the bottom, and spaced max. 12 in. OC. Vertical joints are
offset one stud space each side. Outer layer joints covered with paper tape and two coats of joint compound. Exposed screw heads covered with two coats of joint compound.
ACADIA DRYWALL SUPPLIES LTD — Type C
AMERICAN GYPSUM CO — Types AG-C
CERTAINTEED GYPSUM INC — Type C
CONTINENTAL BUILDING PRODUCTS OPERATING CO, L L C — Types LGFC-C/A, Type LGFC6A
GEORGIA-PACIFIC GYPSUM L L C — Types DAPC, TG-C.
NATIONAL GYPSUM CO — Types eXP-C, FSK, FSL, FSMR-C, FSW-C, FSW-G, FSW-3, and FSW-8
PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Types PG-C, 5/8 in. Type C.
THAI GYPSUM PRODUCTS PCL — Type C
4A. Gypsum Board* — (As an alternate to Item 4) - 5/8 in. thick, 4 ft. wide, paper surfaced, applied vertically and
fastened to the studs and plates with with 1 in. long Type S steel screws starting at 2 in. from the top and the bottom,
and spaced at 8 in OC.
NATIONAL GYPSUM CO — SoundBreak XP Type X Gypsum Board
5. Batts and Blankets* — (optional) — Mineral wool or glass fiber batts partially or completely filling stud cavity. Any mineral wool or glass fiber batt material bearing the UL Classification Marking as to Fire Resistance.
5A. Fiber, Sprayed* — As an alternate to Batts and Blankets (Item 5) — (100% Borate Formulation) — Spray applied
cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the
application instructions supplied with the product with a nominal dry density of 2.7 lb/ft
3. Alternate Application Method:
The fiber is applied without water or adhesive at a nominal dry density of 3.5 lb/ft
3. in accordance with the application instructions supplied with the product.
U S GREENFIBER L L C — INS745 & INS745 for use with wet or dry application. INS765LD and INS770LD are to be used for dry application only.
5B. Fiber, Sprayed* — As an alternate to Batts and Blankets (Item 5) and Item 5A - Spray applied cellulose
insulation material. The fiber is applied with water to interior surfaces in accordance with the application instructions
supplied with the product. Applied to completely fill the enclosed cavity. Minimum dry density of 4.3 pounds per cubic ft.
NU-WOOL CO INC — Cellulose Insulation
5C. Fiber, Sprayed* — As an alternate to Batts and Blankets (Item 5) - Spray applied cellulose fiber. The fiber is
applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. The minimum dry density shall be 4.30 lbs/ft
3.
INTERNATIONAL CELLULOSE CORP — Celbar-RL
* Indicates such products shall bear the UL or cUL Certificat



3 / A 4.0 **HOISTWAY FLOOR FRAMING PLAN @ FIRST FLOOR**
SCALE:1/2"=1'-0"

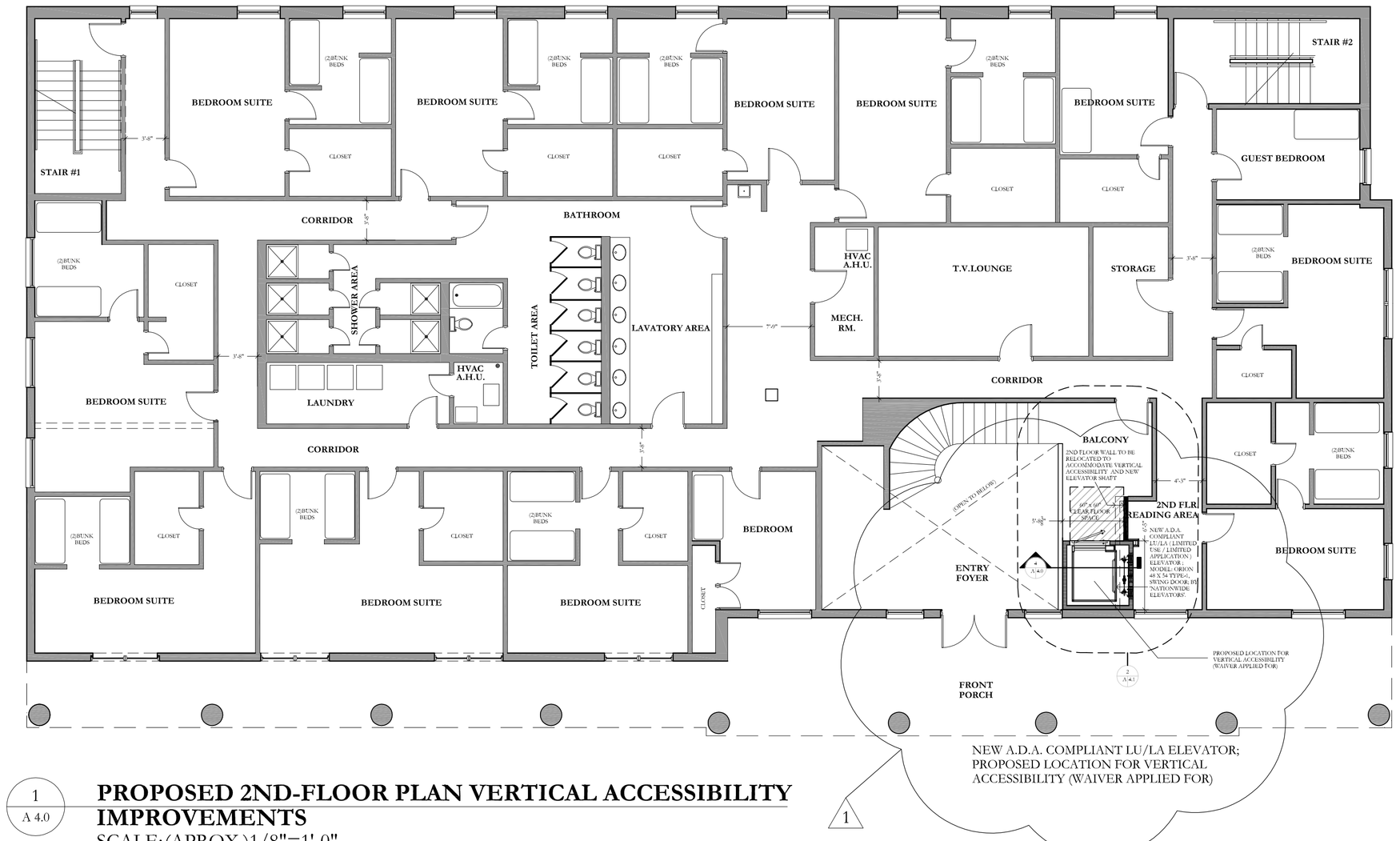


TYPICAL ELEVATION

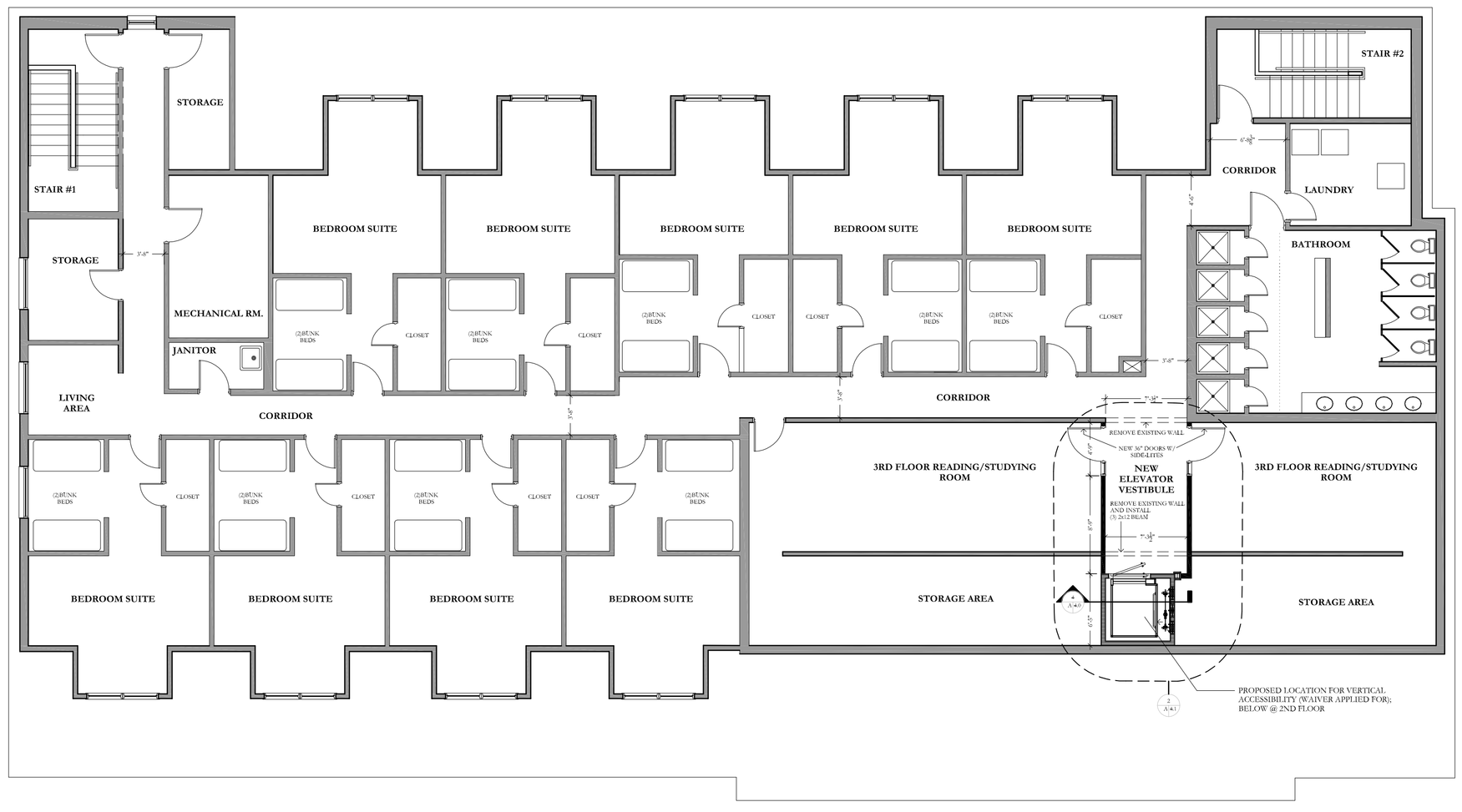
TYPICAL 2 STOP HOISTWAY LAYOUT

NOTES:

1. RAIL IS CONCRETE ANCHORED WITH 1/2" REDHEAD OR CONCRETE SLEEVE BOLTS GR.5 - 1/2" x 4" ANCHORS



1 / A 4.0 **PROPOSED 2ND-FLOOR PLAN VERTICAL ACCESSIBILITY IMPROVEMENTS**
SCALE:(APROX.)1/8"=1'-0"



2 / A 4.0 **PROPOSED 3RD-FLOOR PLAN VERTICAL ACCESSIBILITY IMPROVEMENTS**
SCALE:(APROX.) 1/8"=1'-0"

4 / A 4.0 **NEW ADA-COMPLIANT LU/LA ELEVATOR HOISTWAY DETAIL**
SCALE:1/2"=1'-0"

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Preservation
Sustainability
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Architecture Reg. AA26001466

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FSU Delta Zeta House

First Floor Renovation

749 W Jefferson St, Tallahassee, FL 32304

Rev. #	Description
1	PERMIT RESPONSE 5/16/2017

Official Seal

May 25, 2017
Permit
Drawings
4M Project #4M-016-033

2ND & 3RD FLOOR PLANS W/ ELEV. SHAFT DETAIL

Drawn By: LER

A-4.0