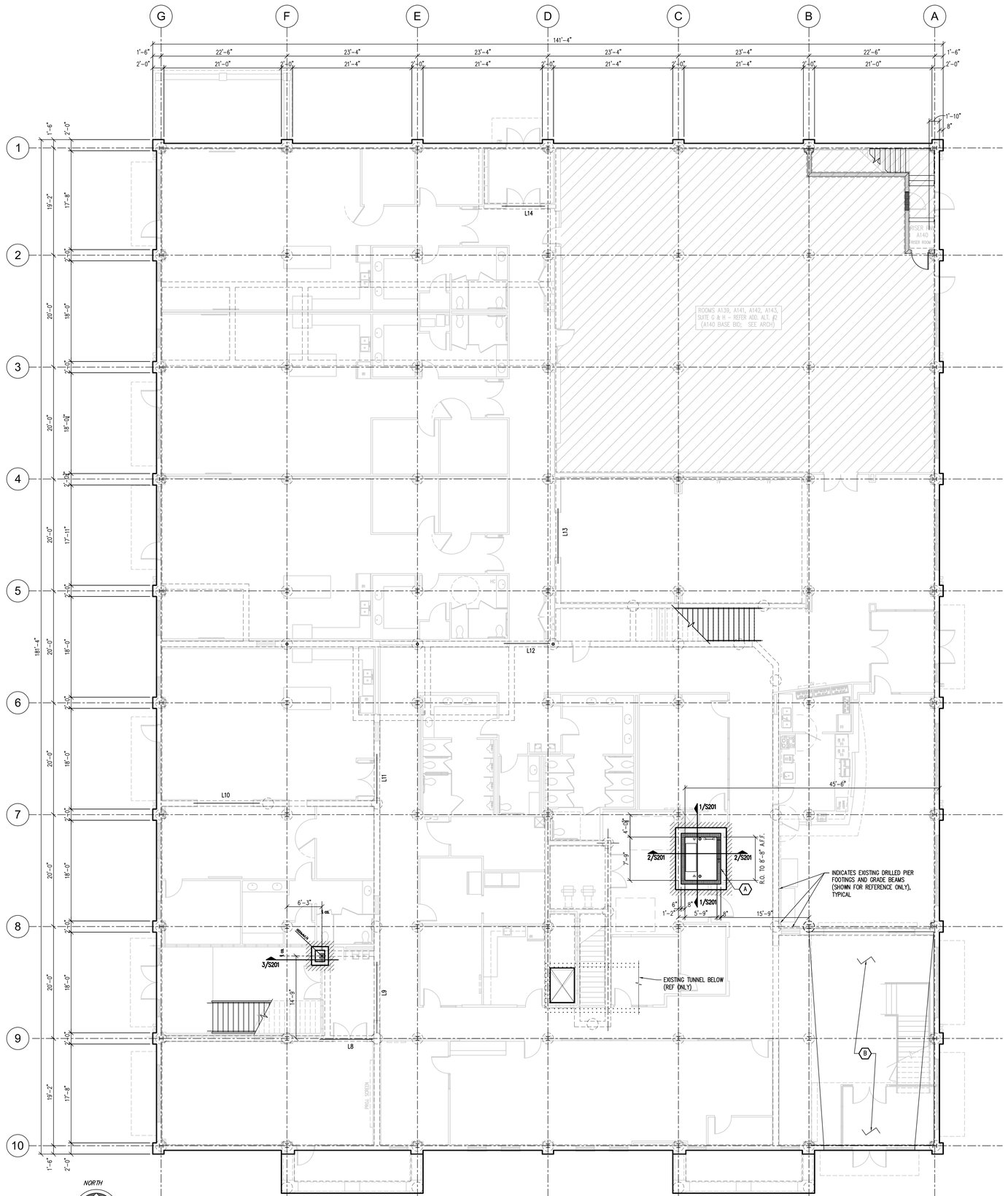

1 FOUNDATION PLAN

SCALE: 1/8"=1'-0"

1st FLOOR PLAN KEY NOTES

(A) – SEE SECTION 2/S201 FOR LEAVE-OUT PORTION OF EAST CMU ELEVATOR SHAFT WALL. BALANCE OF CMU TO BE INSTALLED AFTER ELEVATOR EQUIPMENT IS INSTALLED, TYP

(B) – SEE ARCH DRAWINGS FOR EXISTING SLOPED FLOOR AREA TO RECEIVE FLOOR LEVELING COMPOUND PER SPECIFICATIONS, TYP

1 ST FLOOR LEGEND

(SEE DRAWING S301 FOR 2ND FLOOR LINTELS AND JAMBS)

L8 – NEW OPENING IN EXISTING 12" CMU WALL; SEE DETAIL 10/S501 FOR LINTEL; TOOTH IN AT JAMBS W/ 4" MINIMUM CMU RETURN , TYP

L9 – NEW OPENING IN EXISTING 12" CMU WALL; SEE DETAIL 10/S501 FOR LINTEL; TOOTH IN AT JAMBS W/ 4" MINIMUM CMU RETURN , TYP

L10 – NEW OPENING IN EXISTING 12" CMU WALL; SEE DETAIL 10/S501 FOR LINTEL; TOOTH IN AT JAMBS W/ 4" MINIMUM CMU RETURN , TYP

L11 – NEW OPENING IN EXISTING 12" CMU WALL; SEE DETAIL 10/S501 FOR LINTEL; TOOTH IN AT JAMBS W/ 4" MINIMUM CMU RETURN , TYP

L12 – NEW OPENING IN EXISTING 12" CMU WALL; SEE DETAIL 10/S501 FOR LINTEL; TOOTH IN AT JAMBS W/ 4" MINIMUM CMU RETURN , TYP

L13 – NEW OPENING IN EXISTING 12" CMU WALL; SEE DETAIL 10/S501 FOR LINTEL; TOOTH IN AT JAMBS W/ 4" MINIMUM CMU RETURN , TYP

L14 – NEW OPENING IN EXISTING 8" CMU WALL; SEE DETAIL 11/S501 FOR LINTEL; TOOTH IN AT JAMBS W/ 4" MINIMUM CMU RETURN , TYP

GENERAL NOTES

GENERAL NOTES – STRUCTURAL DESIGN CODE IBC 2015

1. DEAD LOADS:
   - A. ROOF: ----------20 PSF
   - B. FLOOR:
     FLOOR SLAB + MISC SUSPENDED--------60 PSF
     PARTITIONS----------15 PSF

2. LIVE LOADS USED IN BUILDING DESIGN:
   - A. ROOF: ----------20 PSF
   - B. 2ND FLOOR----------100 PSF
   - C. STAIRS AND LANDINGS----------100 PSF
   - D. WIND: ULTIMATE DESIGN WIND----------V(ult)=120 MPH; (Vasd=90 MPH) BASIC WIND LOAD PRESSURES AND SHAPE FACTORS IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE, 2015; RISK CATEGORY III; EXPOSURE C

3. CONCRETE:
   - A. ALL CONCRETE SHALL DEVELOP 3000 PSI COMPRESSIVE STRENGTH IN 28 DAYS EXCEPT ELEVATED FLOOR SLABS AND STAIR LANDING SLABS SHALL DEVELOP 4,000 PSI IN 28 DAYS.. CONCRETE CONSTRUCTION SHALL CONFORM TO ACI 301, 305, 306, 308, 315, AND 318, LATEST ED.
   - B. ALL REINFORCING SHALL CONFORM TO ASTM A615, GRADE 60.
   - C. NO SPLICES OF REINFORCEMENT SHALL BE MADE EXCEPT AS DETAILED OR AUTHORIZED BY THE STRUCTURAL ENGINEER. LAP SPLICES, WHERE PERMITTED, SHALL BE A MINIMUM OF 40 BAR DIAMETERS UNLESS NOTED OTHERWISE. MAKE ALL BARS CONTINUOUS AROUND CORNERS. STAGGER SPLICES IN TOP AND BOTTOM BARS 4'-0" MIN. LAP SPLICE TOP BARS MID-WAY BETWEEN FOOTINGS WITH MINIMUM OF 40 BAR DIAMETER SPLICE. BOTTOM BARS SHALL BE LAP SPLICED OVER FOOTINGS WITH A MINIMUM LAP OF 12".
   - D. PROVIDE ALL ACCESSORIES NECESSARY TO SUPPORT REINFORCING AT POSITIONS SHOWN ON THE DRAWINGS.
   - E. PLACE 2 #5 BARS (1 EACH FACE) WITH 2'-0" PROJECTION AROUND ALL OPENINGS IN CONCRETE UNLESS OTHERWISE SHOWN OR NOTED. PLACE 2–#5 X 4'–0" DIAGONAL BARS IN SLAB AT ALL INSIDE CORNERS OF BUILDING. CENTER EXTRA DIAGONAL BARS IN SLAB.
   - F. SLABS AND GRADE BEAMS SHALL NOT HAVE JOINTS IN A HORIZONTAL PLANE. ANY STOP IN CONCRETE WORK MUST BE MADE AT QUARTER OF SPAN WITH VERTICAL BULKHEADS WITH HORIZONTAL 2 X 4 KEYS SPACED AT 6" ON CENTER. ALL CONSTRUCTION JOINTS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER.
   - G. WIRE FABRIC REINFORCEMENT MUST LAP ONE FULL MESH AT SIDE AND END LAPS AND MESH SHALL BE TIED TOGETHER.
   - H. LAP SLAB REINFORCING BARS A MINIMUM OF 12".
   - I. PROVIDE CONTROL OR CONSTRUCTION JOINTS AS INDICATED IN PLAN OR SPACED NO MORE THAN 15 FT. ON CENTER, EACH WAY, IF NOT SO INDICATED ON THE DRAWINGS. COORDINATE JOINT LAYOUT WITH ARCHITECT OR ENGINEER.
   - J. CONTROL JOINTS SHALL BE MASTIC FILLED VERTICAL SAW CUTS 1–1/4" DEEP. CUT BEFORE INITIAL CONCRETE SHRINKAGE.

4. STEEL:
   - A. STRUCTURAL STEEL BEAMS AND CHANNELS SHALL CONFORM TO ASTM SPECIFICATION A992 OR A572, GR 50, LATEST EDITIONS; TUBE COLUMNS WHICH SHALL CONFORM TO ASTM A500B WITH MIN. YIELD OF 46 KSI; ALL OTHER MISCELLANEOUS PLATES AND ANGLES SHALL BE ASTM A36 OR EQUAL.
   - B. STRUCTURAL STEEL SHALL BE DETAILED AND FABRICATED IN ACCORDANCE WITH LATEST PROVISIONS OF A.I.S.C. MANUAL OF STEEL CONSTRUCTION.
   - C. USE STANDARD FRAMED BEAM CONNECTIONS WITH 3/4" DIAMETER ASTM A325 BOLTS, OR WELDED EQUIVALENT, UNLESS OTHERWISE SHOWN OR NOTED.
   - D. PROVIDE 3 X 3 X 1/4 ANGLE FRAMING AROUND ALL OPENINGS LARGER THAN 6" UNLESS OTHERWISE SHOWN OR NOTED.
   - E. ALL WELDERS SHALL HAVE EVIDENCE OF PASSING THE A.W.S. STANDARD QUALIFICATIONS TEST, OR APPROVED EQUAL QUALIFICATIONS.
   - F. SEE ARCHITECTURAL DRAWINGS FOR NAILER HOLES OR OTHER HOLES REQUIRED IN STEEL MEMBERS.
   - G. STEEL DECK SHALL BE DESIGNED, FABRICATED, AND ERECTED IN ACCORDANCE WITH STEEL DECK INSTITUTE SPECIFICATIONS.
     - (1) 2ND FLOOR AND STAIR LANDINGS DECK: 1"x24 GA. CORRUGATED GALV FORM DECK; PROVIDE VULCRAFT 1.0C24 OR APPROVED EQUAL DECK; FASTEN W/ STD. PUDDLE WELDS W/ WELDING WASHERS OR EQUAL MECHANICAL FASTENERS AT 33/4 PATTERN W/ (2) #10 TEK SCREW SIDE LAP FASTENER EA SPAN
     - (2) DECK TO BE CONTINUOUS OVER AT LEAST 3 INTERIOR SUPPORTS U.N.O..
   - H. FIRE WATCH:
     PROVIDE DEDICATED FIRE WATCH DURING WELDING OR GRINDING OPERATIONS INSIDE BUILDING OR IN EXTERIOR BUILDING WALL CAVITY SPACES. PROVIDE ADEQUATE FIRE EXTINGUISHERS ON SITE TO CONTROL AND EXTINGUISH ANY FIRES THAT MAY ARISE FROM SUCH OPERATIONS. CHECK AREAS OF SPARK PRODUCING OPERATIONS AT LEAST 30 MINUTES AFTER ALL SPARK PRODUCING OPERATIONS HAVE CEASED AND BEFORE LEAVING JOB SITE FOR THE DAY.

5. MASONRY.
   - A. ALL REINFORCING IN MASONRY WALLS SHALL BE FULLY ENCLOSED WITH GROUT. USE PEA GRAVEL MIX WITH f'c = 2,500 PSI.
   - B. FILL ALL VOIDS AND BLOCK CELLS SOLID WITH MORTAR FOR A DISTANCE OF 24" BELOW AND 12" EACH SIDE OF ALL BEAM REACTIONS OR OTHER CONCENTRATED LOADS, UNLESS OTHERWISE SHOWN OR NOTED.
   - C. CMU IS TO BE LAID IN TYPE 'M' OR 'S' MORTAR IN ACCORDANCE WITH THE IBC 2015 BUILDING CODE. TYPE 'N' MASONRY CEMENT MORTAR IS NOT ACCEPTABLE IN STRUCTURAL CMU BLOCK ASSEMBLIES.
   - D. MASONRY WALLS MUST BE ADEQUATELY BRACED DURING CONSTRUCTION TO WITHSTAND WIND AND CONSTRUCTION LOADS. BRACING MUST REMAIN IN PLACE UNTIL ROOF AND FLOOR DIAPHRAGMS ARE FULLY CAPABLE OF PROVIDEING LATERAL SUPPORT.
   - E. COMPLETED REINFORCED MASONRY WALLS SHALL HAVE A MINIMUM f'm = 1500 PSI.
   - F. TEST PRISIMS TO VERIFY MASONRY WALL ASSEMBLAGE STRENGTH SHALL BE MADE AND TESTED IN ACCORDANCE WITH THE IBC 2015 BUILDING CODE, OR OTHER APPROVED EQUAL METHOD.
   - G. REINFORCING SHALL BE HELD IN PROPER POSITION UNTIL GROUT IS SET.

6. FOUNDATIONS:
   - A. DESIGN SOIL PRESSURE---------2,500 PSF

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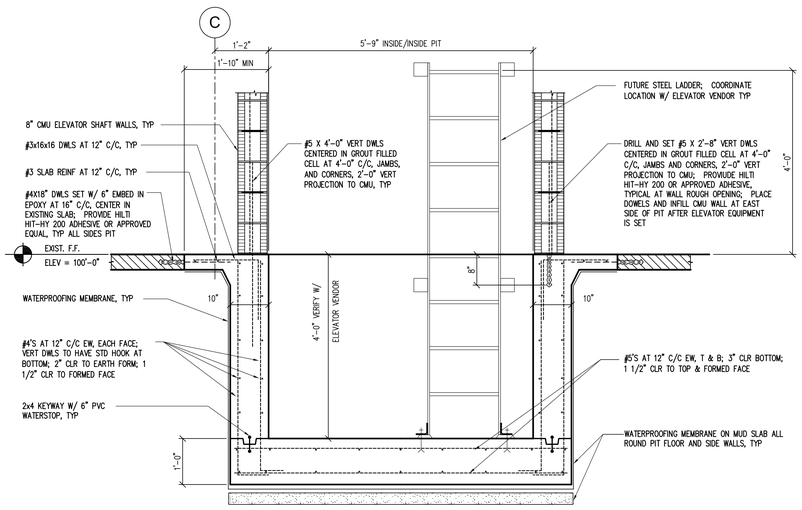
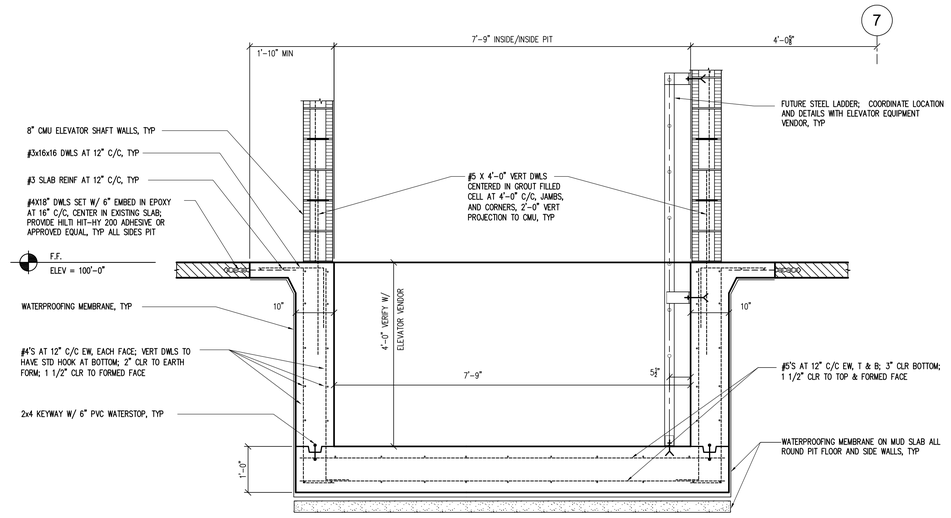
FOUNDATION PLAN AND GENERAL NOTES

S101



1 SECTION

SCALE: 3/4"=1'-0"



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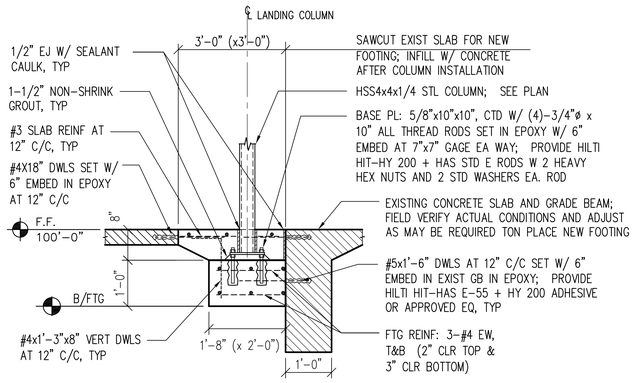

FTG AT STAIR "B" LANDING COLUMN

3 SECTION

SCALE: 3/4"=1'-0"

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FOUNDATION SECTIONS AND DETAILS

S201

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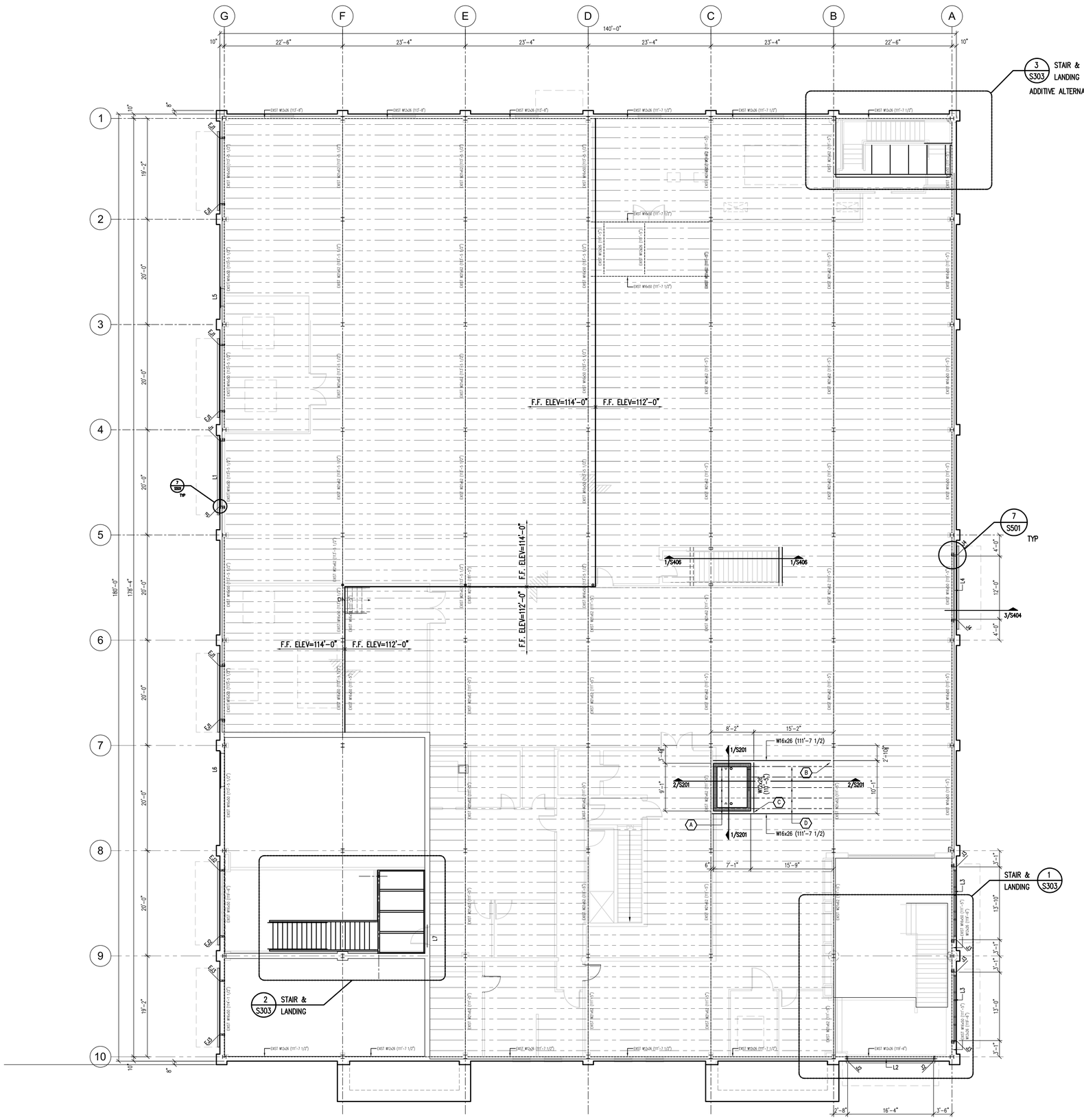

2nd FLOOR PLAN KEY NOTES

(A) – REMOVE PORTION OF EXISTING FLOOR SLAB AND OPEN WEB STEEL JOISTS AS REQUIRED FOR INSTALLATION OF ELEVATOR SHAFT; SEE SECTION 1/S401 & 1/S402 FOR DETAILS, TYP

(B) – PROVIDE STD. DOUBLE BOLTED FRAMED BEAM CONNECTION AT EA END OF NEW FLOOR BEAM AT EXISTING W21 FLOOR BEAMS; SEE DETAIL 1/S402 FOR DETAILS, TYP

(C) – PROVIDE STD. WELDED FRAMED BEAM CONNECTION AT EA END OF NEW FLOOR BEAM; SEE DETAIL 1/S401 FOR DETAILS, TYP

(D) – EXISTING 18K5 OPEN WEB STEEL JOISTS TO BE REWORKED TO ACCOMODATE INSTALLATION OF ELEVATOR SHAFT; SEE SECTION 1/S401 FOR DETAILS AND REINFORCING OF EXISTING JOISTS IN THIS AREA, TYP

2nd FLOOR LEGEND

(SEE DRAWING S101 FOR 1ST FLOOR LINTELS AND JAMBS)

JAMBS:

J1 – HSS6x3x1/4 TO BOTTOM OF EXISTING W16 BEAM AT T/STL = 113'-5 1/2"; SEE DETAIL 1/SS01, TYP

J2 – EXISTING HSS6x3x3/16 TO BOTTOM OF EXISTING W10x19 LINTEL BEAM AT B/STL = 116'-0"; EXTEND JAMB BEAM AND BENT PLATE JAMB COVER TO BOTTOM OF EXISTING W12x26 BEAM AT T/STL =119'-6"; SPLICE JAMB AND COVER WITH FULL PENETRATION WELD; SEE DETAIL 4/SS01, TYP

J3 – HSS6x3x1/4 TO BOTTOM OF NEW W12x26 LINTEL BEAM AT T/STL = 119'-6"; SEE DETAIL 5/SS01

J4 – HSS6x3x3/16 TO BOTTOM OF EXISTING W16x50 FLOOR BEAM AT T/STL = 111'-5"; SEE DETAIL 6/SS01

EJ1 – EXISTING HSS6x3x3/16 W/ BENT PLATE COVER TO BOTTOM OF EXISTING LINTEL C10x20 W/ PLATE 1/4x11; B/LINTEL = 10'-0" U.N.O.; SEE 2/SS01 AS NOTED

EJ2 – EXISTING HSS6x3x3/16 W/ BENT PLATE COVER TO BOTTOM OF EXISTING LINTEL W10x19 W/ PLATE 1/4x11; B/LINTEL = 16'-0"; SEE 3/SS01

EJ3 – EXISTING HSS6x3x3/16 W/ BENT PLATE COVER TO BOTTOM OF EXISTING LINTEL C10x20 W/ PLATE 1/4x11; B/LINTEL = 10'-8"; SEE 2/SS01 AS NOTED

LINTELS:

L1 – C10x20 W/ PL 1/4x10 1/2"; WELD ALL ROUND TO HSS6x3 JAMB; SEE DETAIL 1/SS01 & 9/SS01, TYP

L2 – PL 1/4x12" W/ BRACKETS TO EXISTING W12x26 BEAM AT T/STL=119'-6"; WELD ALL ROUND TO HSS6x3 JAMB; SEE SECTION 4/SS01, TYP

L3 – PL 1/4x12" W/ BRACKETS TO NEW W12x26 BEAM AT T/STL=119'-6"; WELD ALL ROUND TO HSS6x3 JAMB; SEE SECTION 5/SS01, TYP

L4 – PL 1/4x12" W/ BRACKETS TO EXISTING W12x26 BEAM AT T/STL=119'-6"; WELD ALL ROUND TO HSS6x3 JAMB; SEE DETAIL 6/SS01, TYP

L5 – LOOSE LINTEL L4x4x1/4 x (M.O. +8") AT NEW OPENING IN EXISTING MASONRY WALL; SEE ARCH, TYP

L6 – LOOSE LINTEL L4x4x1/4 x (M.O. +8") AT OPENING IN EXISTING OH DOOR OPENING TO BE INFILLED; SEE ARCH TYP

L7 – NEW OPENING IN EXISTING 12" CMU WALL; SEE DETAIL 10/SS01 FOR LINTEL; TOOTH IN AT JAMBS W/ 4" MINIMUM CMU RETURN , TYP

L8 THRU L14 – SEE PLAN S101 FOR FIRST FLOOR LINTELS

1 2nd FLOOR FRAMING PLAN

SCALE: 1/8"=1'-0"

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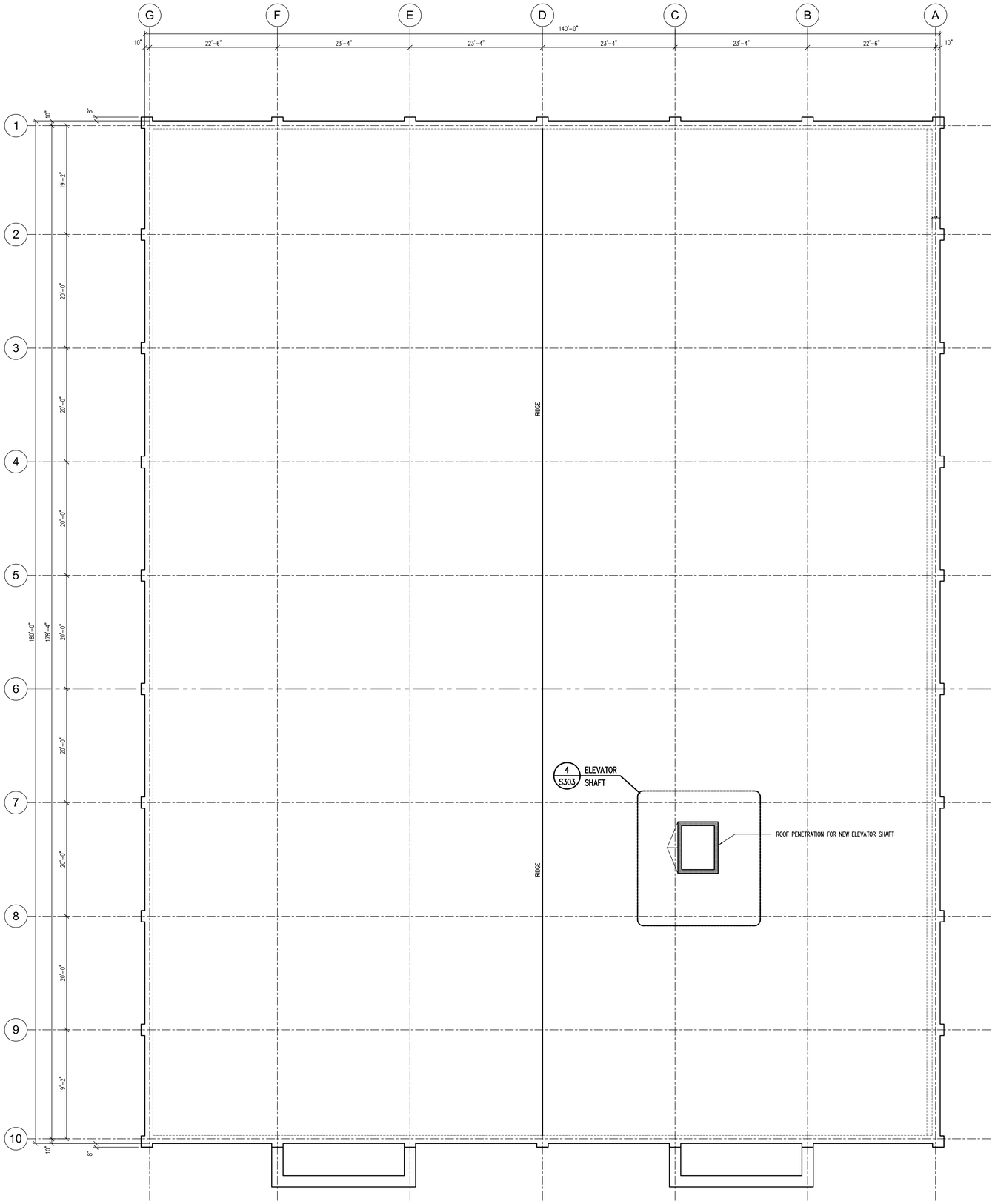
2ND FLOOR FRAMING PLAN

S301



1 ROOF FRAMING PLAN

SCALE: 1/8"=1'-0"

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ROOF FRAMING PLAN

S302

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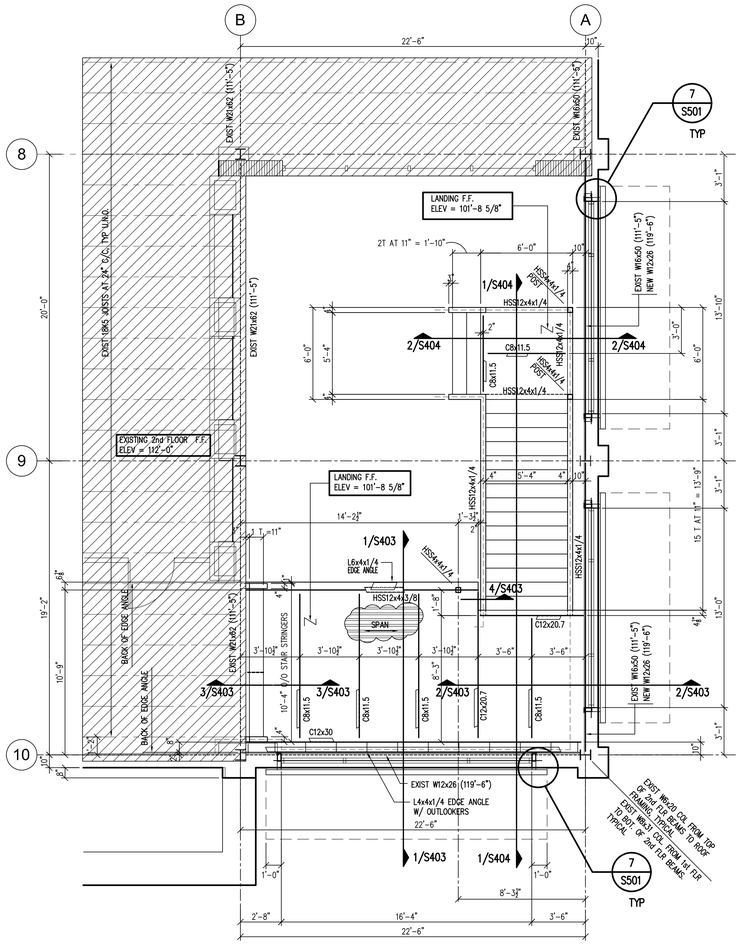
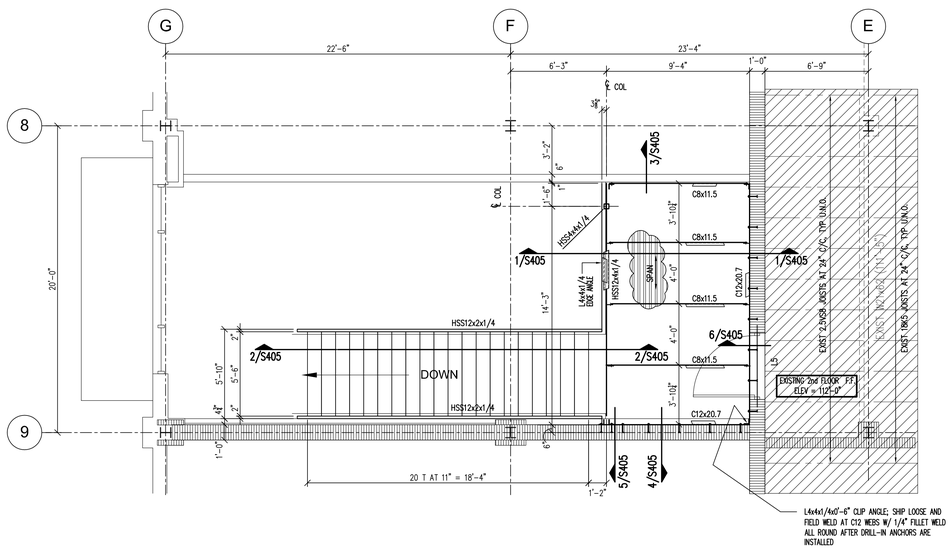


1 STAIR A–DETAIL FRAMING PLAN

SCALE: 1/4"=1'-0"



2 STAIR B–DETAIL FRAMING PLAN

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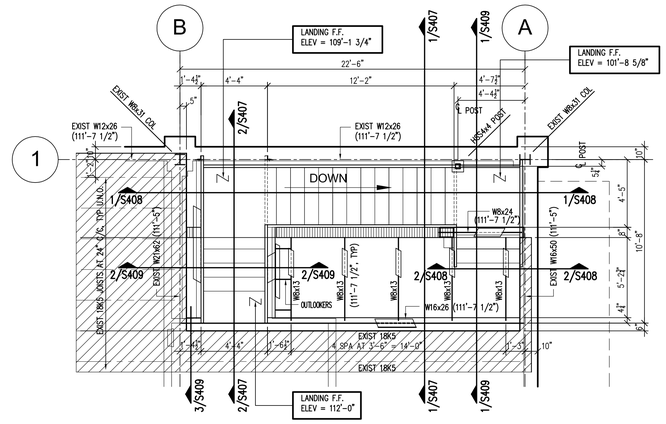


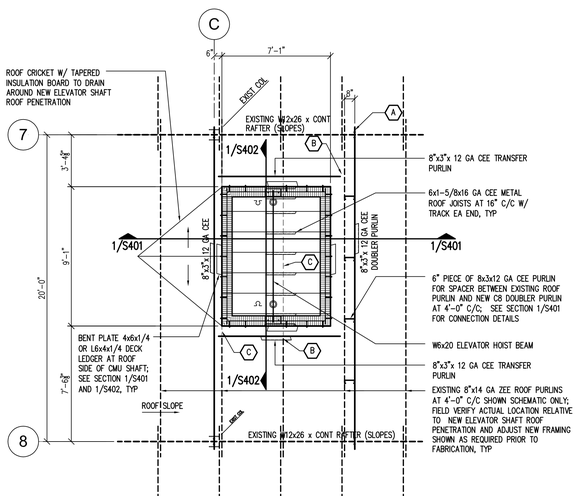
ADDITIVE ALTERNATE #2

3 STAIR D–DETAIL FRAMING PLAN

SCALE: 1/4"=1'-0"

STAIR A PLAN LEGEND

L1 – LINTEL FOR NEW OPENING IN EXISTING 12" CMU WALL; SEE DETAIL X/SXXX; SEE ARCH DWGS FOR NEW MASONRY OPENING LIMITS, TYP



DETAIL ROOF PLAN KEY NOTES

(A) – ATTACH NEW 8" CEE PURLIN AT EXISTING W12 RAFTER W/ STD 3/16" WELDED PURLIN CLIP W/ (2) 1/2"ø A307 BOLTS AT STD GAGE, EA END, TYP

(B) – STD BOLTED PURLIN CLIP ANGLE W/ (2) 1/2"ø A307 BOLTS, EA WAY; PROVIDE L4x4x1/4 CLIP ANGLE W/ BOLTS AT STD GAGE; FIELD DRILL EXISTING 8" ZEE PURLIN, TYP

(C) – EXISTING 8" ZEE PURLIN TO BE REMOVED FOR NEW ELEVATOR SHAFT, TYP

(D) – EXISTING 8" ZEE PURLIN TO BE REMOVED FOR NEW ELEVATOR SHAFT, TYP

4 DETAIL ROOF FRAMING PLAN

SCALE: 1/4"=1'-0"

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DETAIL FRAMING PLANS

S303

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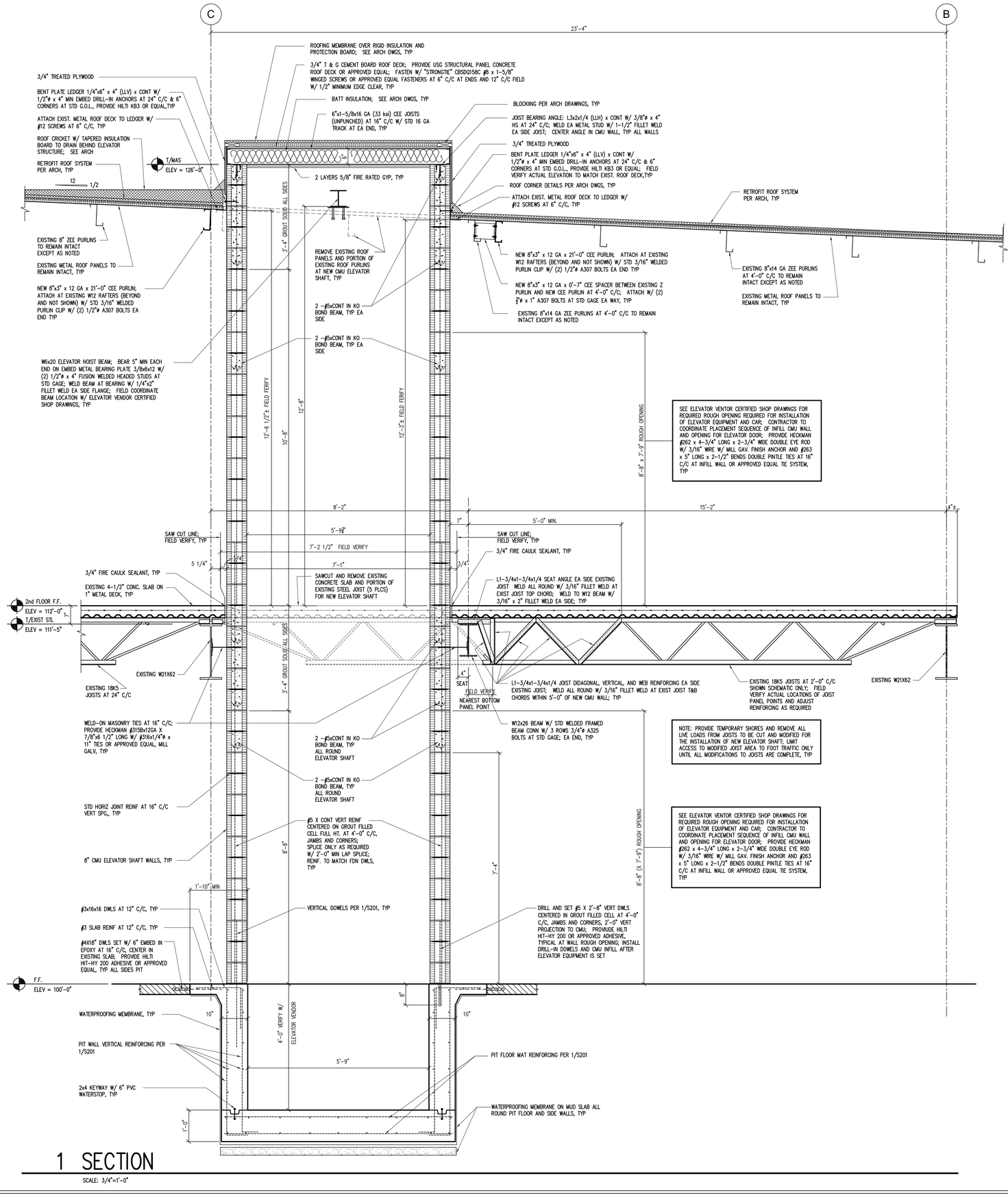

1 SECTION

SCALE: 3/4"=1'-0"

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ELEVATOR SECTIONS AND DETAILS

S401

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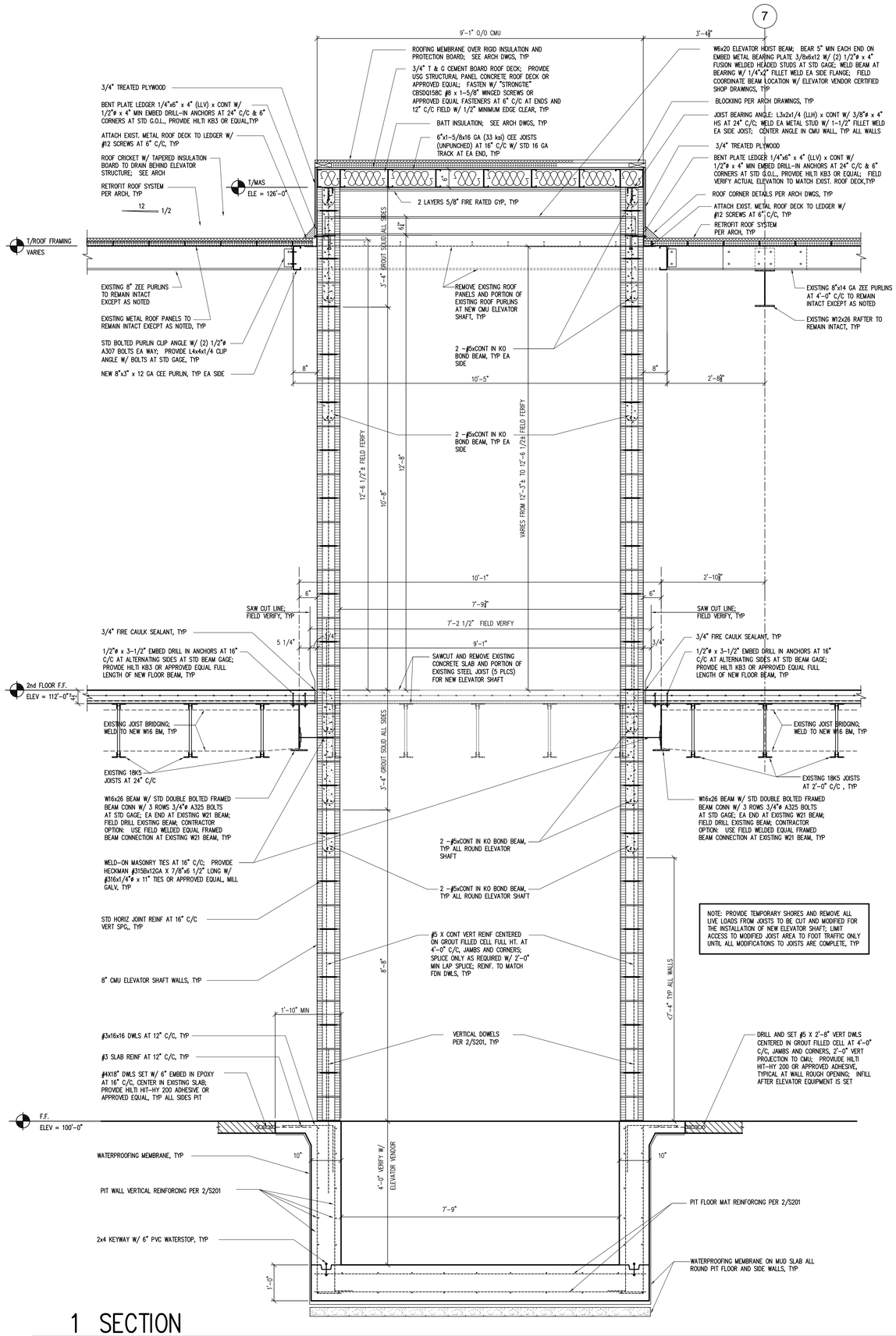

1 SECTION

SCALE: 3/4"=1'-0"

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ELEVATOR SECTIONS AND DETAILS

S402

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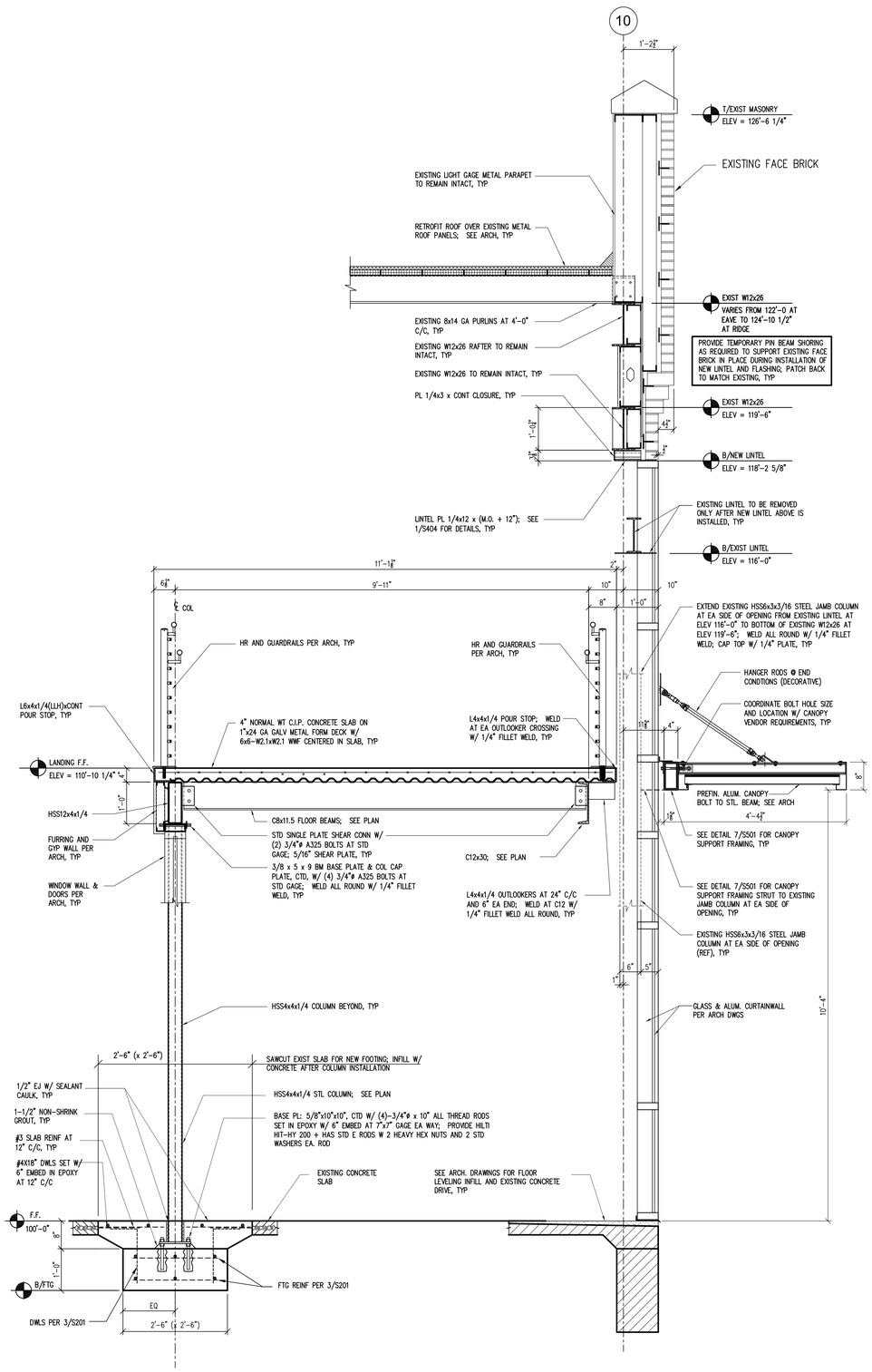

1 SECTION

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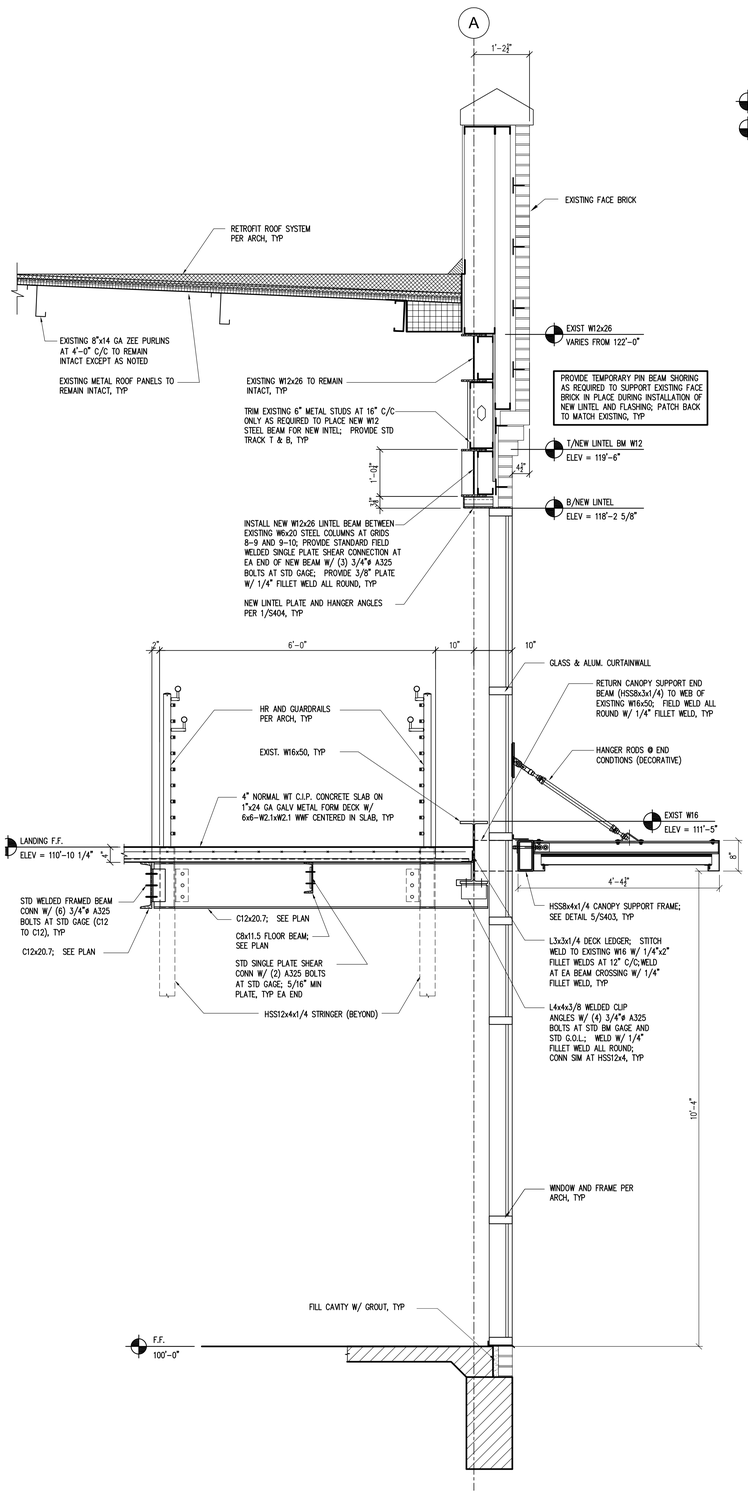

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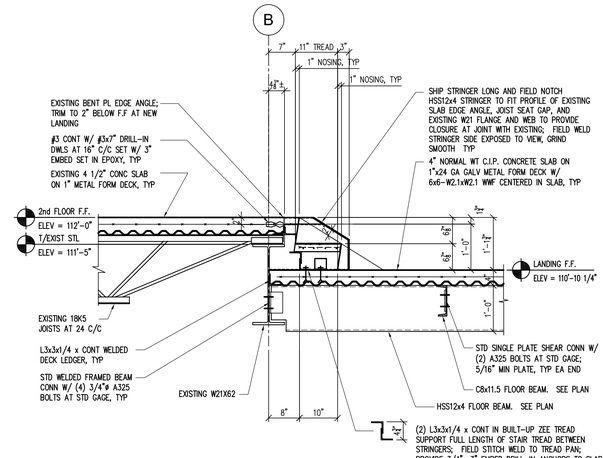

3 SECTION

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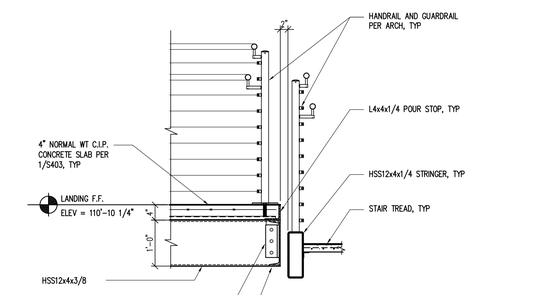
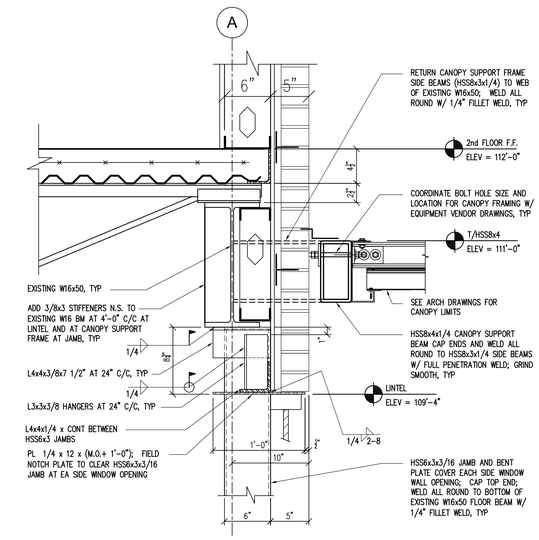


4 SECTION

SCALE: 3/4"=1'-0"



5 SECTION

SCALE: 3/4"=1'-0"

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FRANKLIN L. FISCHER 40320 REGISTERED PROFESSIONAL ENGINEER 8/24/2020

DANIEL BUILDING RENOVATION

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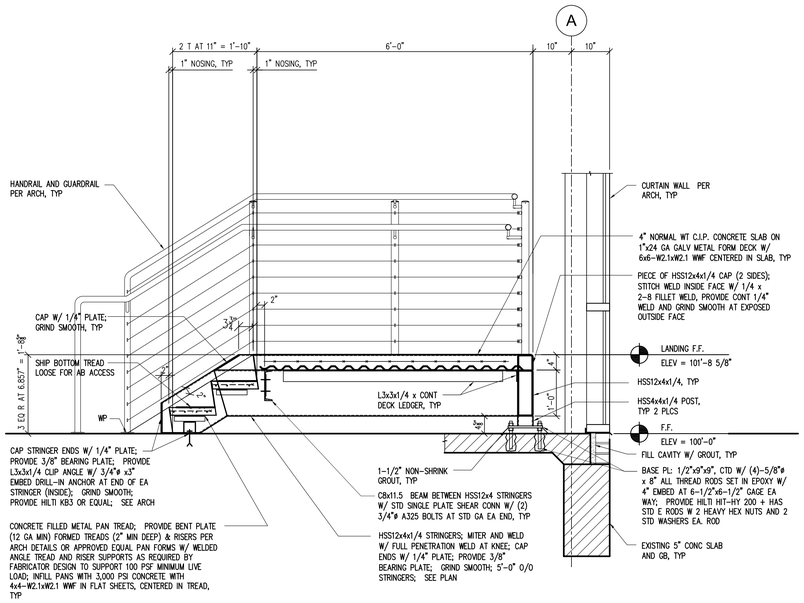
STAIR A SECTIONS AND DETAILS

S403



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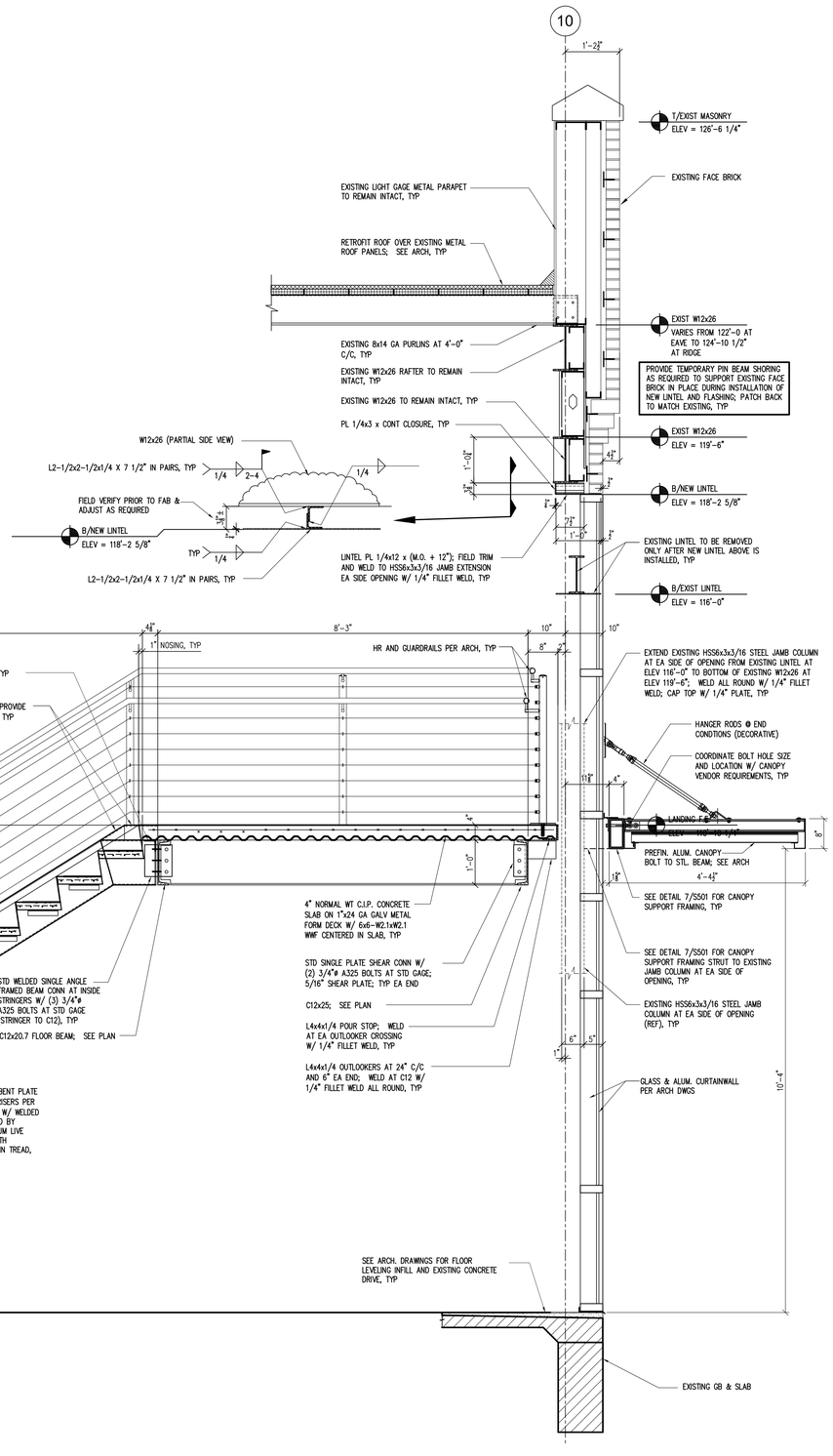

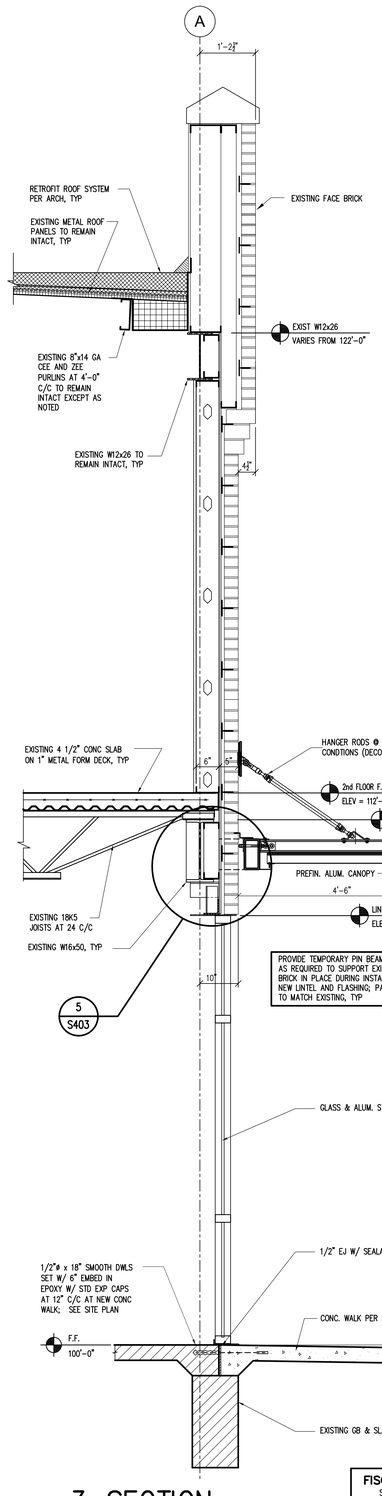

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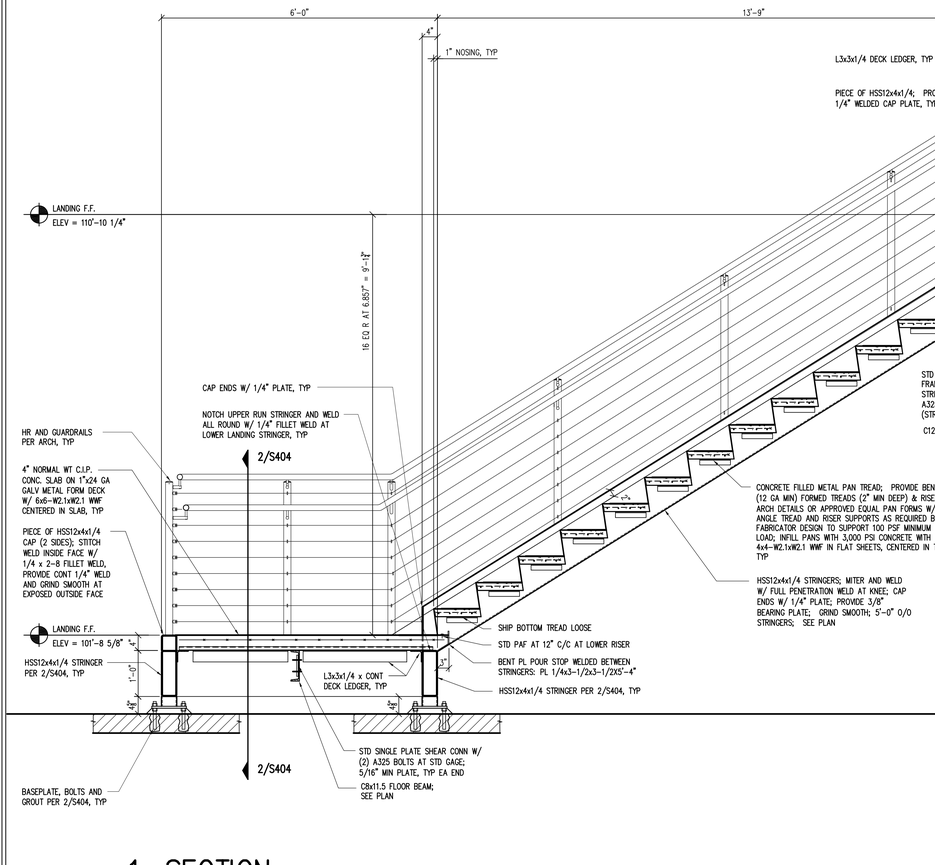

1 SECTION

SCALE: 3/4"=1'-0"

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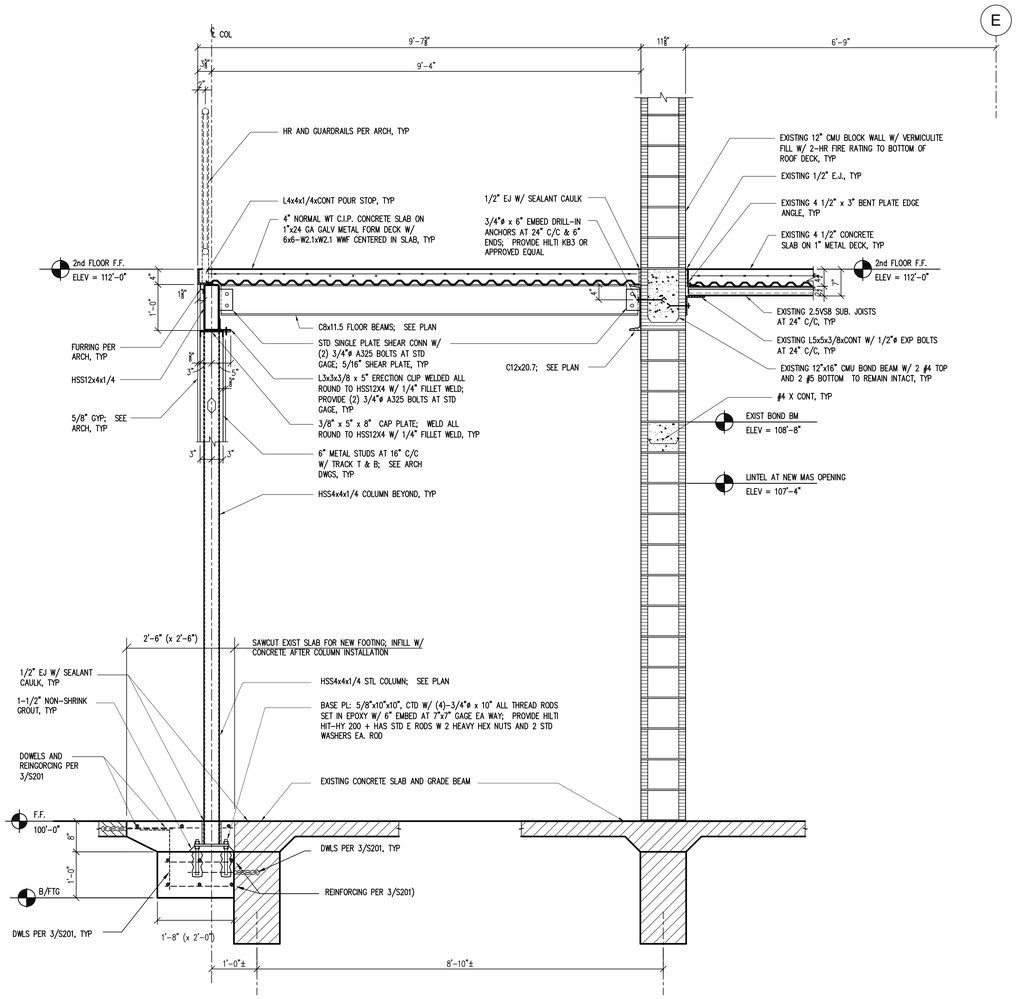

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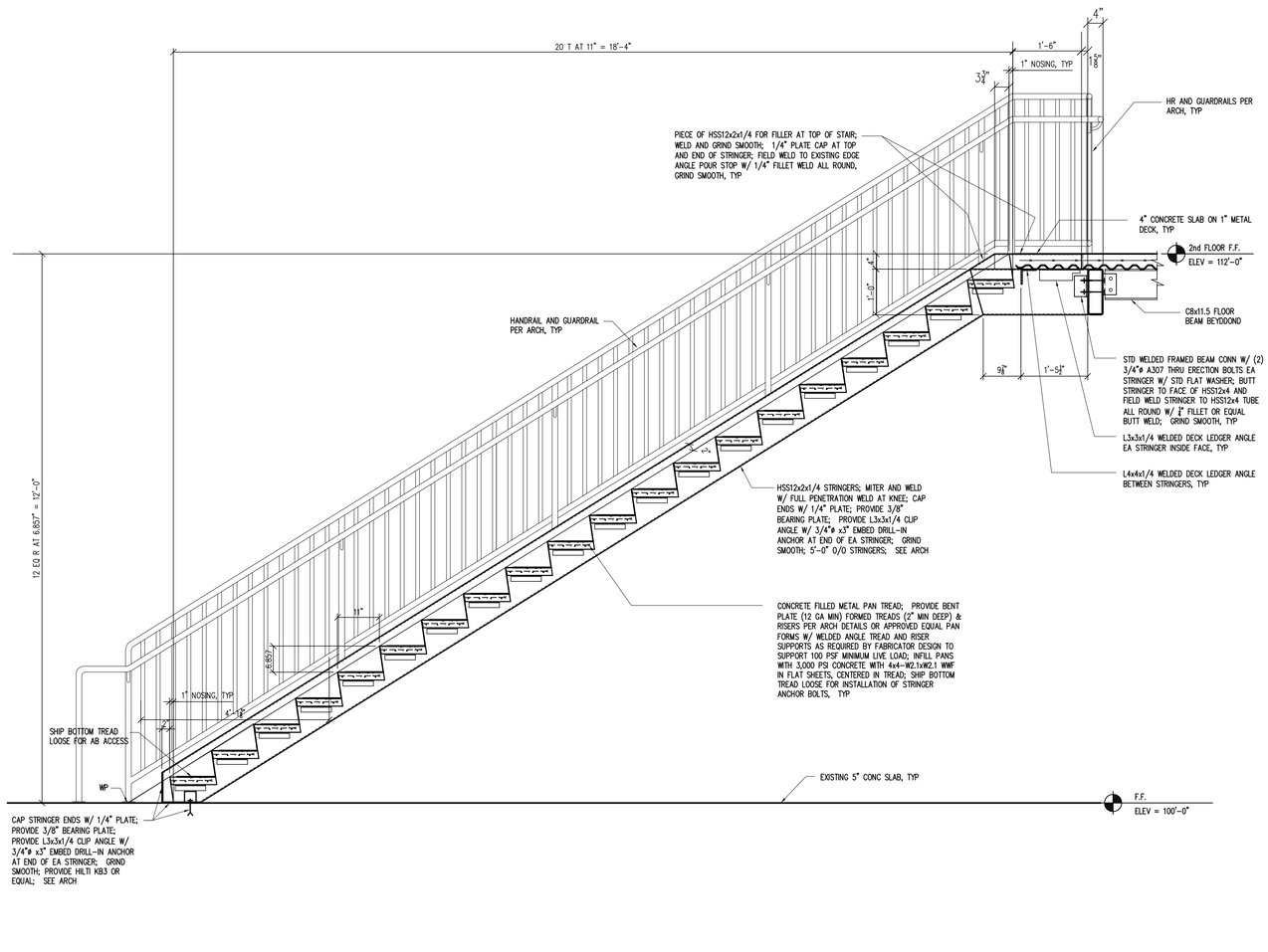

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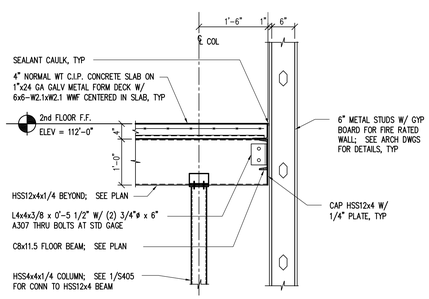

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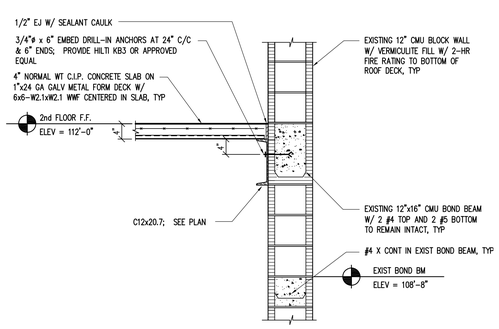

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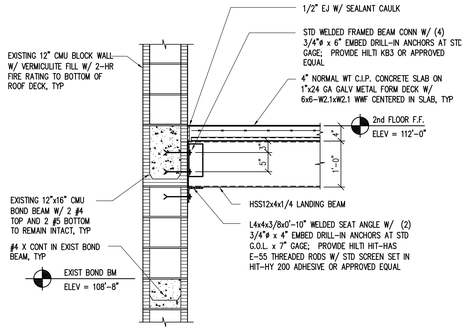

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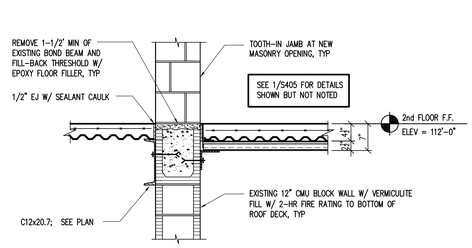

6 SECTION

SCALE: 3/4"=1'-0"

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STAIR B SECTIONS AND DETAILS

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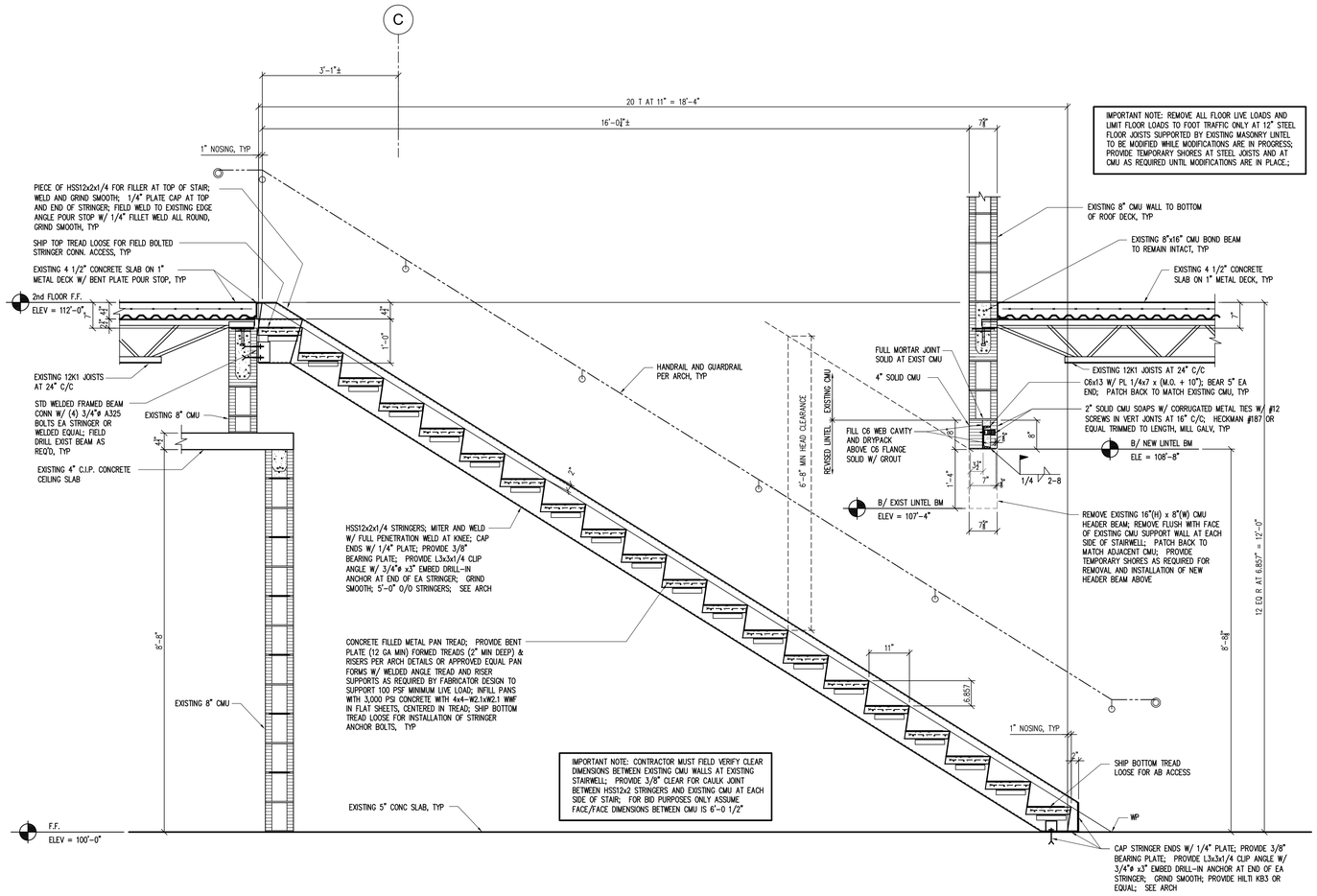

1 SECTION – STAIR C

SCALE: 3/4"=1'-0"

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STAIR C SECTIONS AND DETAILS

S406

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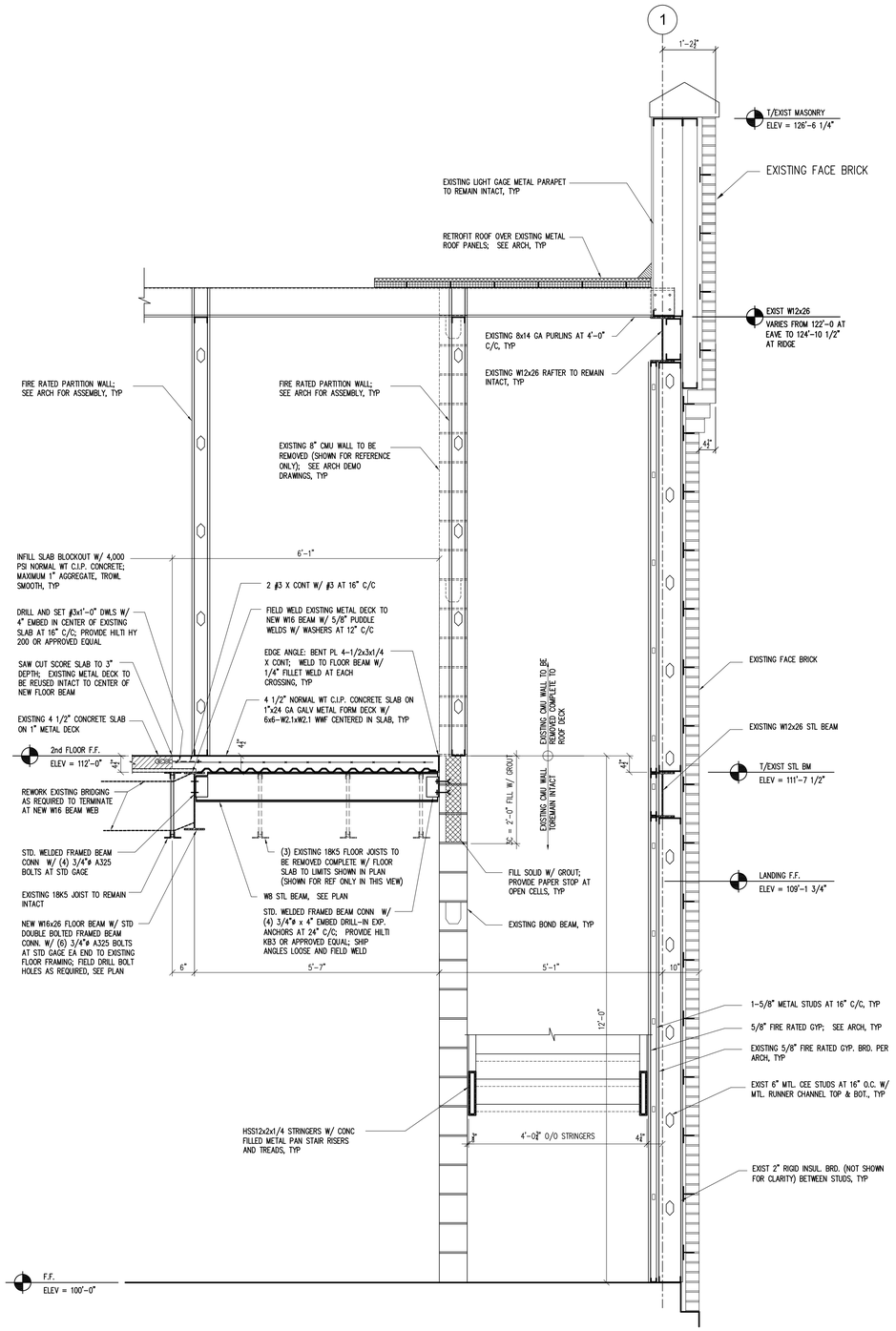
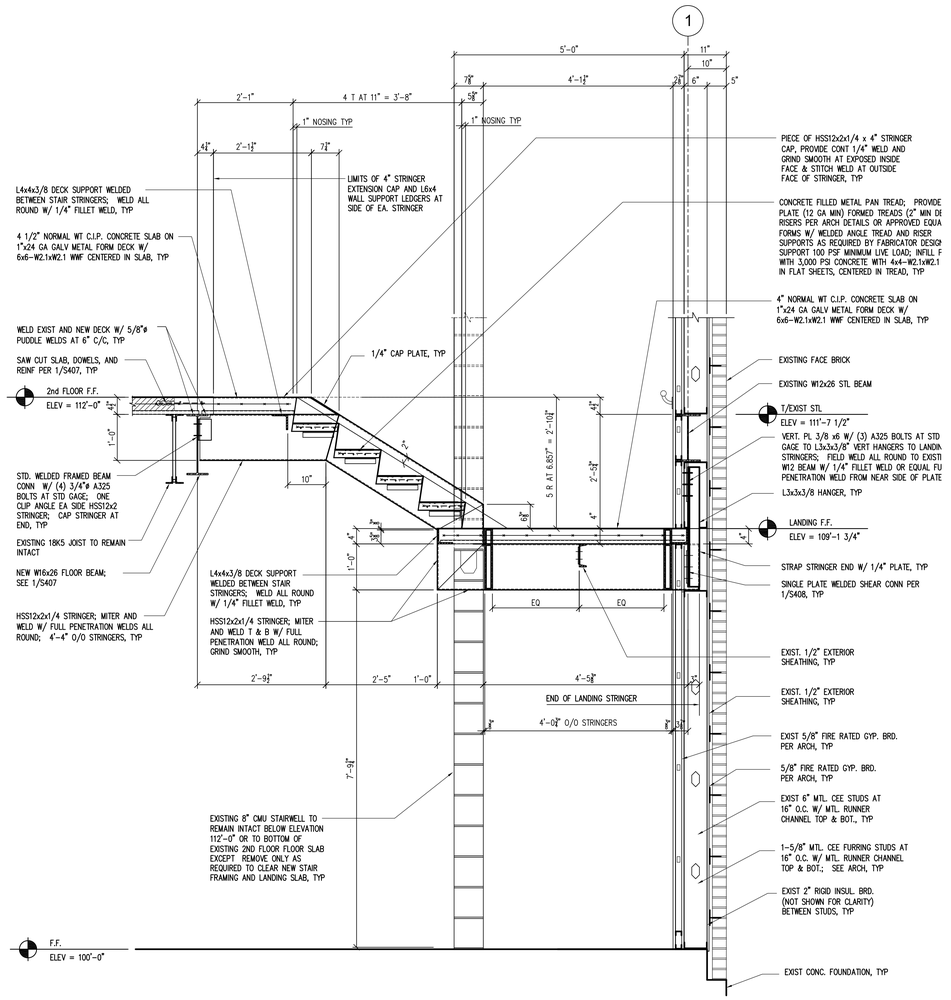


1 SECTION – STAIR D

SCALE: 3/4"=1'-0"



2 SECTION – STAIR D

SCALE: 3/4"=1'-0"

REV	DATE	DESCRIPTION	APPR

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STAIR D SECTIONS AND DETAILS

S407

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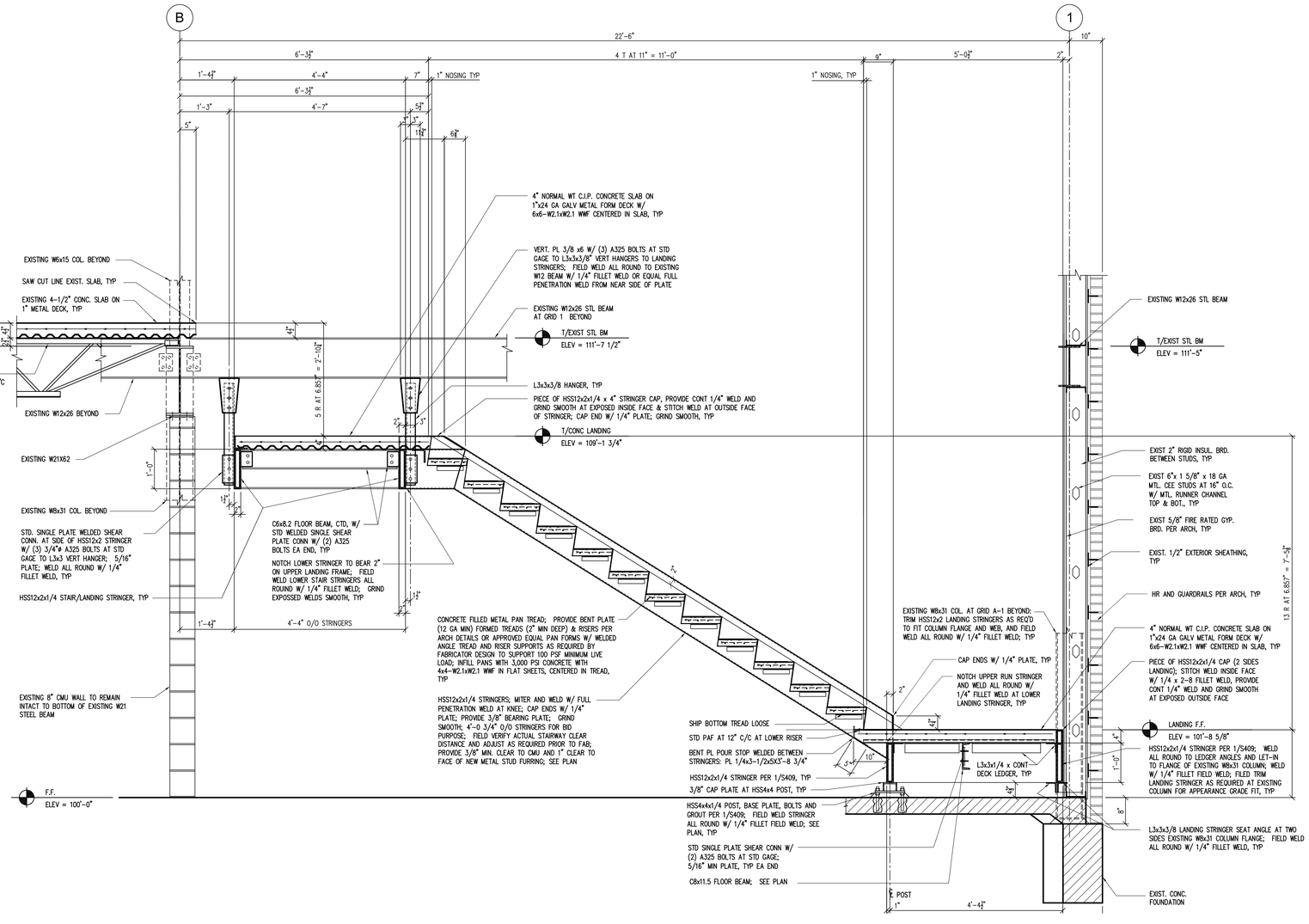

1 SECTION – STAIR D

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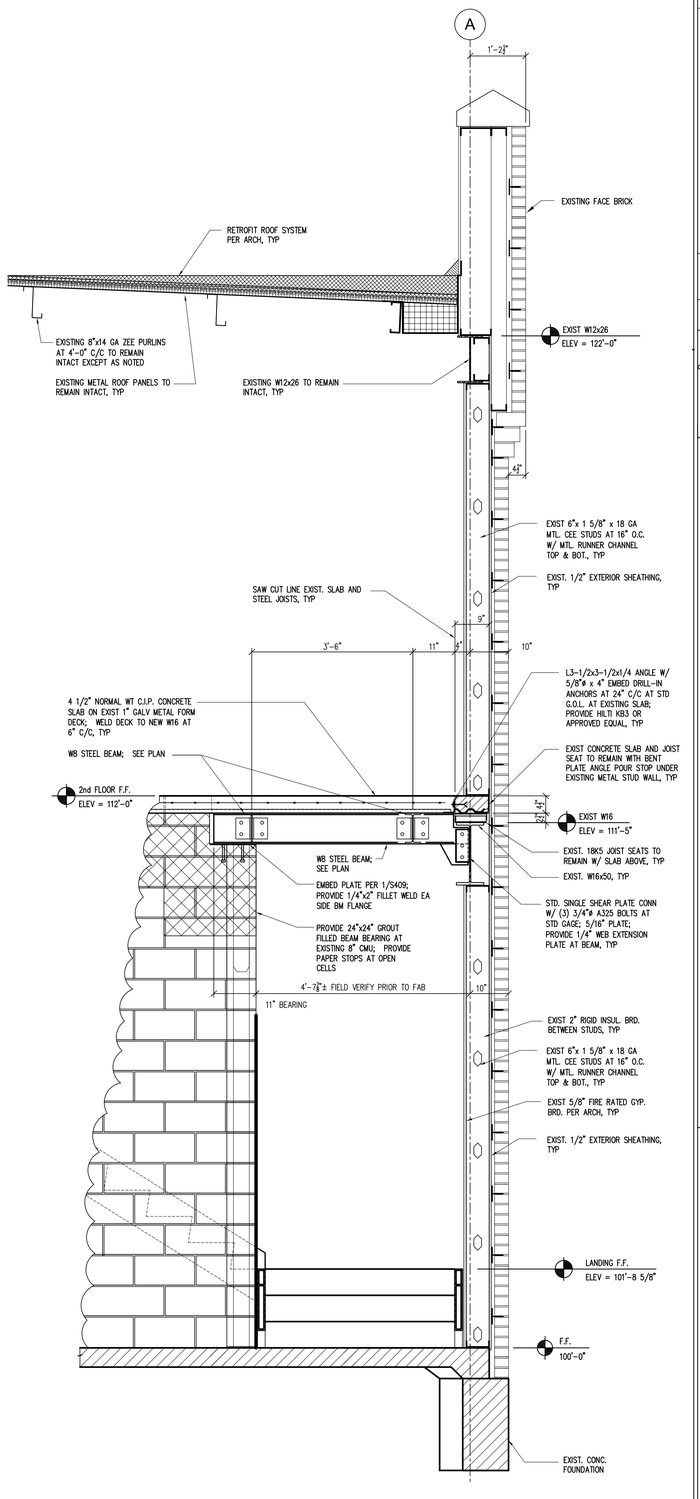

2 SECTION – STAIR D

SCALE: 3/4"=1'-0"

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S408

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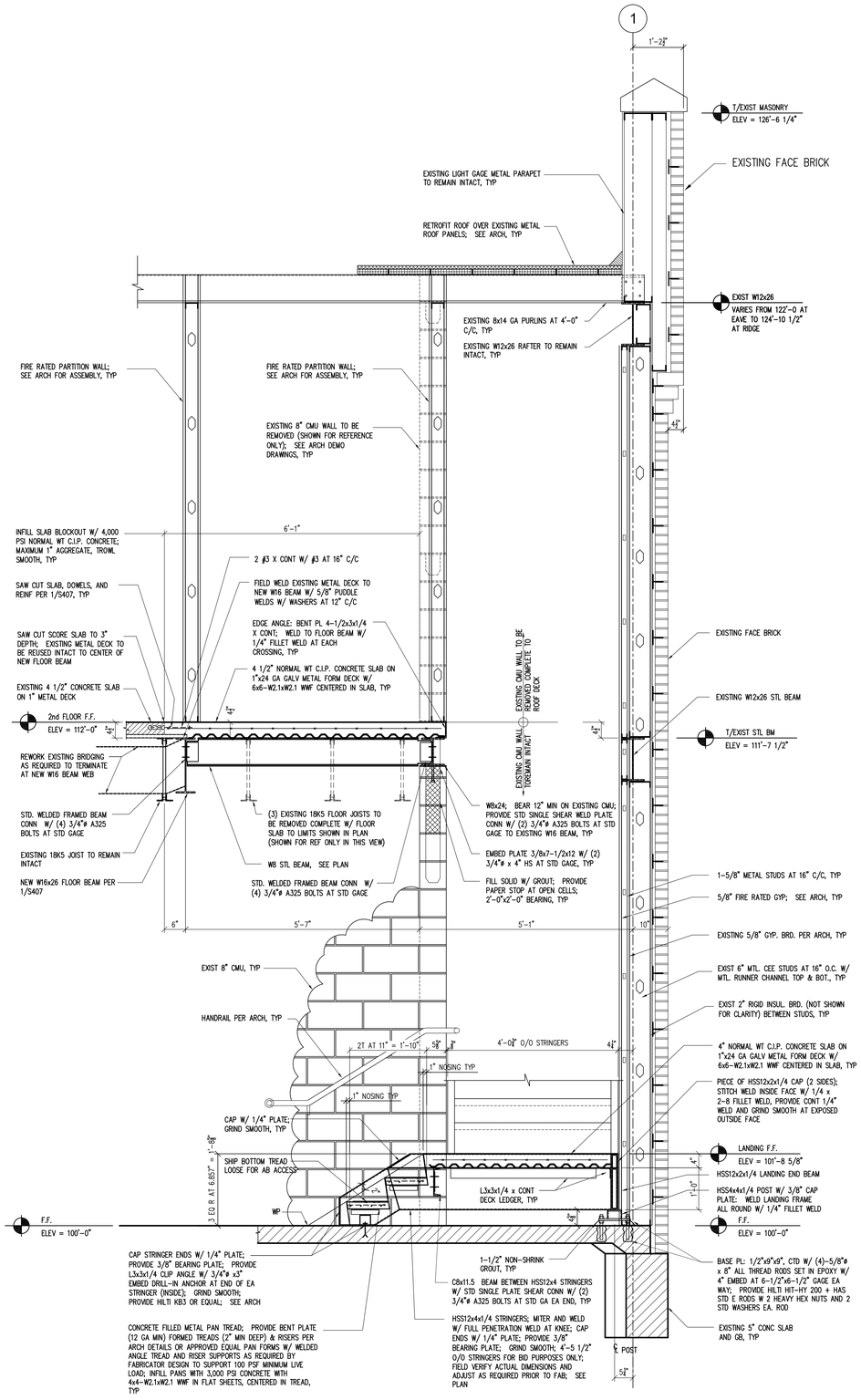

1 SECTION – STAIR D

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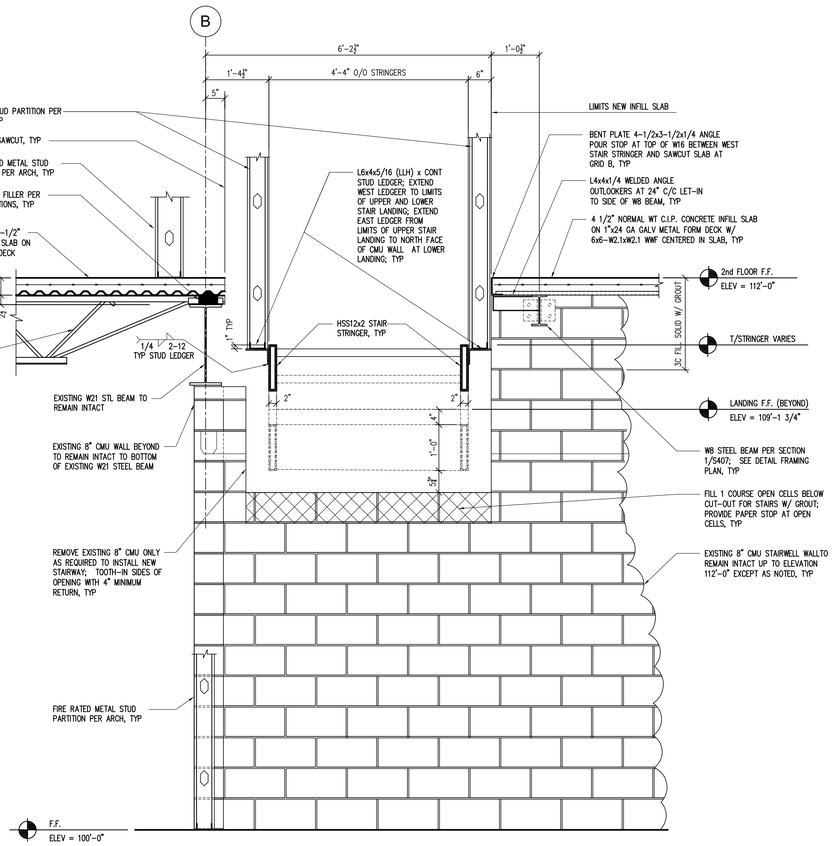

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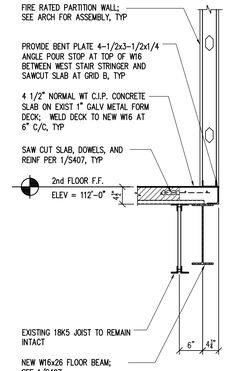

3 SECTION – STAIR D

SCALE: 3/4"=1'-0"

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S409

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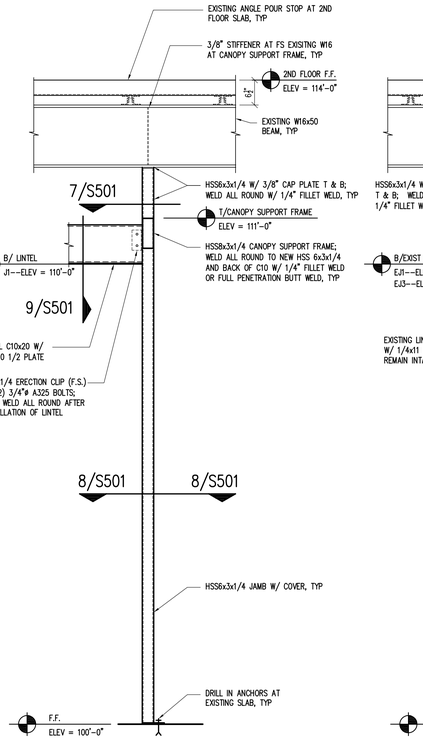
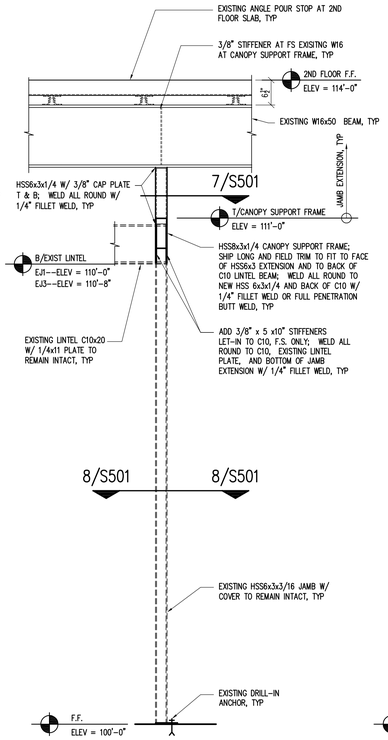


J1 & L1

1 DETAIL

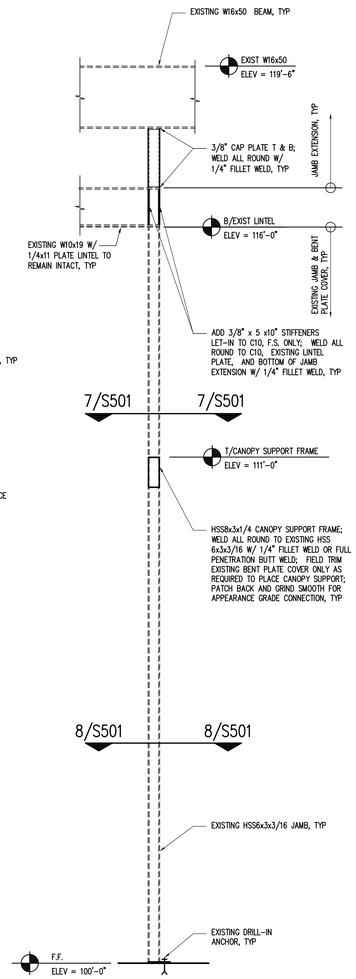
SCALE: 3/4"=1'-0"



EJ1 & EJ2 AS NOTED

2 DETAIL

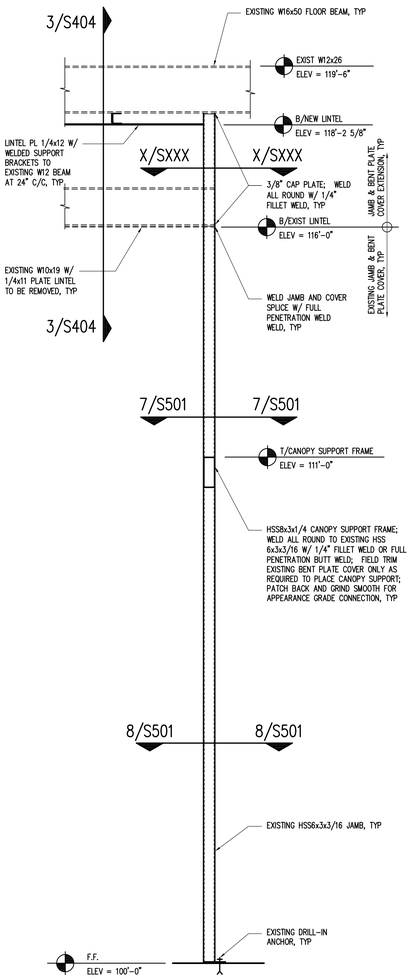
SCALE: 3/4"=1'-0"



EJ3

3 DETAIL

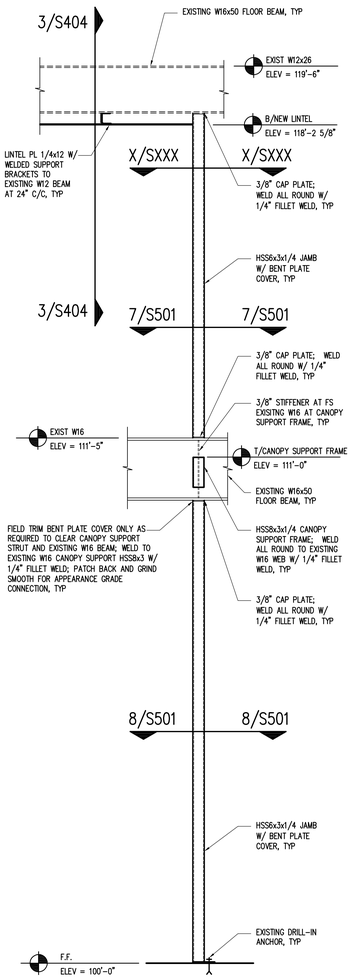
SCALE: 3/4"=1'-0"



J2 & L2

4 DETAIL

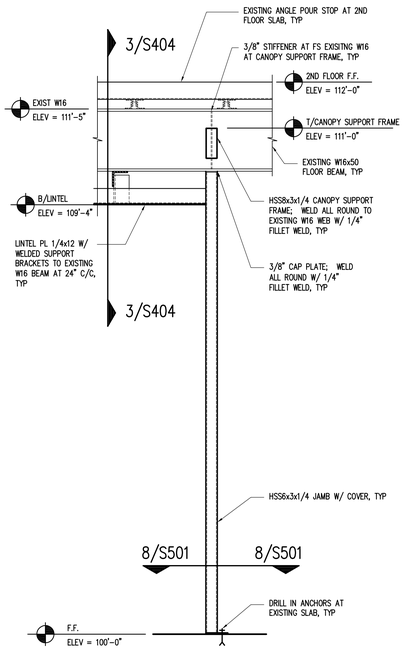
SCALE: 3/4"=1'-0"



J3 & L3

5 DETAIL

SCALE: 3/4"=1'-0"



J4 & L4

6 DETAIL

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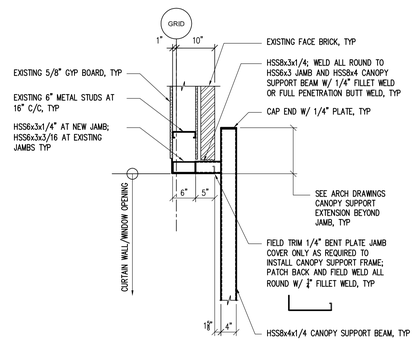
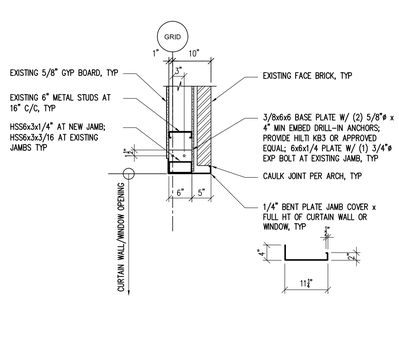


PLAN VIEW TYPICAL CANOPY SUPPORT FRAME

7 DETAIL

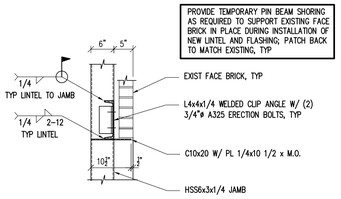
SCALE: 3/4"=1'-0"



PLAN VIEW TYPICAL JAMB

8 SECTION

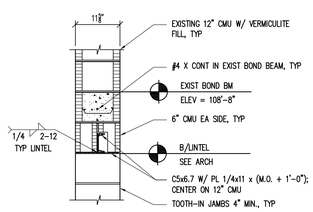
SCALE: 3/4"=1'-0"



L1

9 SECTION

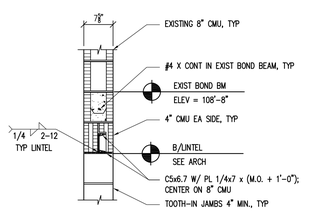
SCALE: 3/4"=1'-0"



TYPICAL LINTEL AT EXIST. 12" CMU

10 DETAIL

SCALE: 3/4"=1'-0"



TYPICAL LINTEL AT EXIST. 8" CMU

11 DETAIL

SCALE: 3/4"=1'-0"

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DANIEL BUILDING RENOVATION

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TYPICAL SECTIONS AND DETAILS

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