North Florida Innovation Labs

General Construction

Leon County R&D Authority

Tallahassee. FL

EDA Award No. 04-79-07447

100% Construction Documents

December 9, 2021

Revised January 10, 2022 to include Addendum #1

ALW Project #21414

Consultants:

Environmental & Geotechnical Specialists
104 North Magnolia Drive
Tallahassee, Florida, 32301
850.386.1253
egs-us.com

Poole Engineering & Surveying, Inc.
2145 Delta Blvd Ste. 100
Tallahassee, FL 32303
850.386.5117
poole-eng.com

Bliss & Nyitray, Inc.
227 North Bronough Street, Suite 7300
Tallahassee, FL 32301
850.222.4454
bnengineers.com

AEI Engineering
12921 SW 1st Road, Suite 205
Newberry, FL 32669
352.376.5500
Aeieng.com

RS&H
10748 Deerwood Park Blvd S.
Jacksonville, FL 32256
904.256.2500
rsandh.com

PHASE:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT	RS, KS, AK, EE	C. WHITLOCK	07/30/21
50% CONSTRUCTION DOCUMENTS	RS, KS, AK, EE	C. WHITLOCK	10/07/21
100% CONSTRUCTION DOCUMENTS	RS, KS, BG, AK, EE	C. WHITLOCK	12/09/21

ID:	REVISION:	DRAWN:	REVIEWED:	DATE:

Client: Leon County R&D Authority
Tallahassee, Florida

Job Title: North Florida Innovation Labs

Consultant:

Seal:

Project #: 21414

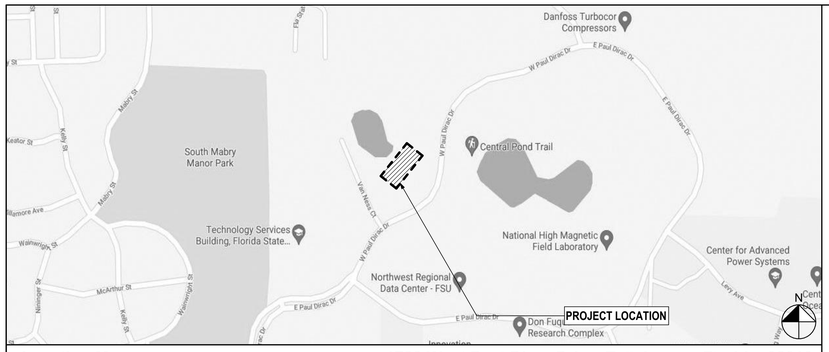
Phase: 100% Construction Documents

ALW

Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net

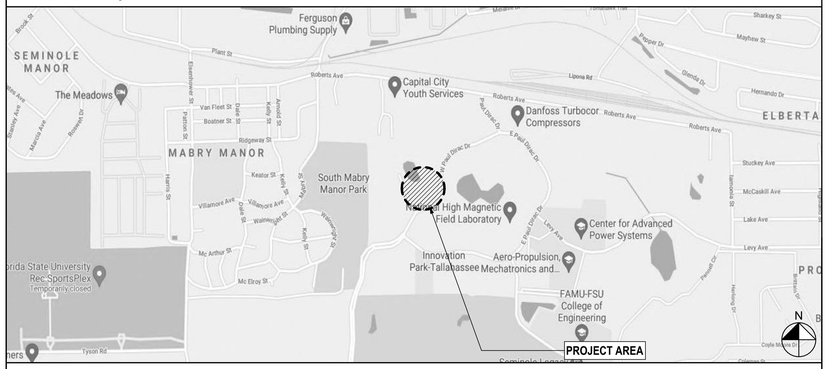
Description: Cover Sheet

Sheet No.: CS

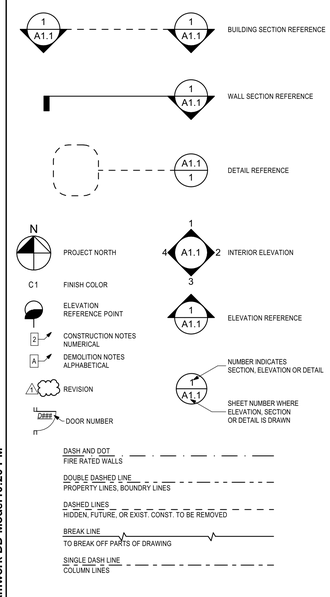


Location Map

1728 West Paul Dirac Drive, Tallahassee Florida, 32310



Area Map



Legend of Architectural Symbols:

Applicable Codes:

Florida Building Code, Building (FBC-B)	7th Edition
Florida Building Code, Accessibility (FBC-A)	7th Edition
Florida Building Code, Existing Building (FBC-EB)	7th Edition
Florida Building Code, Mechanical	7th Edition
Florida Building Code, Fuel Gas	7th Edition
Florida Building Code, Plumbing	7th Edition
Florida Fire Prevention Code (FFPC)	7th Edition
National Electrical Code (NEC)	2017 Edition

NOTE: CONTRACTOR SHALL PROVIDE ANY INFORMATION AND/OR PRODUCT APPROVAL NUMBERS AS REQUIRED BY FLORIDA STATUTE 553.842 AND FLORIDA ADMINISTRATIVE CODE 9B-72

Applicable Codes

Architectural General Notes:

1) THESE DRAWINGS AND RENDERINGS ARE INSTRUMENTS OF SERVICE. THE DRAWINGS AND COPIES THEREOF, INCLUDING ELECTRONIC MEDIA AND CAD FILES, ARE THE PROPERTY OF ARCHITECTS: LEWIS + WHITLOCK, P.A. THEIR USE, REPRESENTATION OR REPRODUCTION IN ACTUAL FORM OR CONTENT BY ANY ENTITY THAT POSSESSES THEM FOR ANY PURPOSE EXCEPT BY WRITTEN AGREEMENT WITH THE ARCHITECT IS PROHIBITED. THE COPYRIGHT NOTIFICATION SHALL BE TRUE AS IF DIRECTLY PLACED ON EACH DRAWING, DETAIL, EXHIBIT OR RENDERING ON THIS DOCUMENT AND SHALL NOT BE REMOVED FROM THESE DOCUMENTS.

2) ALL DIMENSIONS ARE TO THE FACE OF STUD OR STUD TRACK, CENTER LINE OF STUD OR STUD TRACK, FACE OF MASONRY AND TO THE CENTER LINE OF STRUCTURAL STEEL COLUMNS, UNLESS OTHERWISE INDICATED.

3) WHERE STRUCTURAL DESIGN LOADS ARE NOT PROVIDED FOR ANY COMPONENTS REQUIRING MANUFACTURER OR FABRICATOR ENGINEERING, AND MINIMUM LOADING CONDITIONS ARE NOT PROVIDED IN APPLICABLE CODES AND STANDARDS, CONSULT ARCHITECT PRIOR TO PROCEEDING.

4) DIMENSIONS FOR PATHS OF EGREES INCLUDING CORRIDORS AND STAIRS SHALL MEAN CLEAR WIDTH BETWEEN CORRIDOR WALLS, AND AT STAIRS CLEAR WIDTH BETWEEN WALLS OR CURBS.

5) DO NOT SCALE DRAWINGS, IF THERE IS A CONFLICT IN DIMENSIONS OR IF THERE IS INSUFFICIENT DIMENSIONING, CONTACT THE ARCHITECT FOR CLARIFICATION PRIOR TO PROCEEDING.

6) IF AN ORDER OF PRECEDENT FOR THE INTERPRETATION OF DOCUMENTS IS NOT PROVIDED IN THE PROJECT MANUAL (IF PROVIDED), AND A CONFLICT OCCURS IN THE SPECIFICATIONS, ON THE DRAWINGS, OR BETWEEN THE DRAWINGS AND SPECIFICATIONS, CONTACT THE ARCHITECT. ALL REQUEST FOR CLARIFICATION TO THE ARCHITECT SHALL BE MADE IN WRITING. THE ARCHITECT'S RESPONSE SHALL BE MADE IN WRITING AND NO FORMAL INSTRUCTIONS SHALL BE GIVEN VERBALLY.

7) WHERE CLEAR DIMENSIONS ARE INDICATED, THIS SHALL MEAN CLEAR WIDTH FROM FINISHED WALL TO FINISHED WALL OR CLEAR FLOOR AREA BETWEEN BUILDING COMPONENTS.

8) ALL FIRE RATED PARTITION OR WALL ASSEMBLIES SHALL EXTEND FROM THE FLOOR SLAB TO THE UNDERSIDE OF THE BUILDING STRUCTURE AND/OR DECK ABOVE. ALL PENETRATIONS IN RATED CONSTRUCTION SHALL BE PROPERLY SEALED TO INSURE THE RATING IS MAINTAINED.

9) ALL FIRE RATED FLOOR/CEILING OR ROOF/CEILING ASSEMBLIES SHALL BE CONTINUOUS BETWEEN PARTITIONS AND/OR WALLS FOR THE SPACE OR HORIZONTAL AREA INDICATED. ALL PENETRATIONS IN RATED CONSTRUCTION SHALL BE PROPERLY SEALED TO INSURE THE RATING IS MAINTAINED.

10) TYPICAL AND STANDARD DETAILS MAY BE PROVIDED IN THE DRAWINGS. IF A SPECIFIC DETAIL IS NOT PROVIDED FOR CONDITION OF FABRICATION AND/OR INSTALLATION, CONTACT THE ARCHITECT PRIOR TO PROCEEDING.

11) THE INSTALLATION OF MECHANICAL, PLUMBING AND ELECTRICAL ITEMS (INCLUDING UTILITIES, ROUGH-INS, SYSTEM COMPONENTS AND FINISHED FIXTURES) IN EXPOSED TO VIEW AREAS OR SPACES SHALL BE UNDERTAKEN WITH SKILL AND CRAFTMANSHIP TO PROVIDE A FINISHED CONDITION ACCEPTABLE TO THE ARCHITECT. ALL EXPOSED TO VIEW ITEMS SHALL BE FINISHED WITH PAINT UNLESS OTHERWISE SPECIFIED TO BE PREFINISHED OR NOT TO BE PAINTED.

12) THESE GENERAL NOTES HAVE THE SAME AUTHORITY AS OTHER NOTES AND REFERENCES IN THE DRAWINGS OR SPECIFICATIONS AND SHALL NOT BE EXCLUDED IN THE EXECUTION OF THE WORK. THEY MAY REQUIRE COORDINATION BETWEEN VARIOUS TRADE CONTRACTORS. IN ADDITION TO THESE GENERAL NOTES, REFER TO DEMOLITION AND CONSTRUCTION NOTES SPECIFIC TO EACH DRAWING.

13) THE CONTRACTOR SHALL ERECT AND MAINTAIN ALL REASONABLE SAFEGUARDS FOR SAFETY AND HEALTH, INCLUDING POSTING DANGER SIGNS AND OTHER WARNING AGAINST HAZARDS, AS WELL AS PROMULGATING SAFETY STANDARDS.

14) THE CONTRACTOR SHALL BE RESTRICTED TO AREAS SPECIFIED BY THE OWNER FOR ON-SITE STORAGE OF MATERIALS

15) THE CONTRACTOR SHALL MAINTAIN A CLEAN WORK PREMISE AT ALL TIMES AND SHALL CLEAN CONSTRUCTION SITE OF ALL DEBRIS DAILY. THE WORK PREMISE SHALL BE CLEAN AT COMPLETION OF JOB AND BEFORE FINAL PAYMENT IS MADE.

16) THE CONTRACTOR SHALL TAKE CARE NOT DAMAGE EXISTING SURFACES AND SHALL BE RESPONSIBLE FOR RESTORING AREAS DAMAGED BY THE CONTRACTOR (MATERIALS, FINISHES, ETC.) TO THEIR ORIGINAL CONDITIONS. SURFACES SHALL BE REPAINTED TO MATCH EXISTING ADJACENT FINISHES.

Standard Abbreviations:

A/C	-AIR CONDITIONING
ACI	-AMERICAN CONCRETE INSTITUTE
ACT	-ACOUSTICAL CEILING TILE
ADJ	-ADJACENT
AFF	-ABOVE FINISH FLOOR
ALT	-ALTERNATE
ALUM	-ALUMINUM
ASTM	-AMERICAN SOCIETY OF TSTG. & MTLS.
BD	-BOARD
BLDG	-BUILDING
BLT	-BOLT
BM	-BEAM
BOT	-BOTTOM
BRG	-BEARING
C/C	-CENTER TO CENTER
CEM	-CEMENT
CF	-CUBIC FEET
CFM	-CUBIC FEET PER MINUTE
CG	-CORNER GUARD
CIR	-CIRCLE, CIRCULAR
CIP	-CAST-IN-PLACE
CJ	-CONTROL JOINT
CLG	-CEILING
CLO	-CLOSET
CLR	-CLEARANCE, CLEAR
CMU	-CONCRETE MASONRY UNIT
COL	-COLUMN
COMP	-COMPRESSOR, COMPOSITE
CONC	-CONCRETE
CONSTR	-CONSTRUCTION
CONT	-CONTINUOUS
CORR	-CORRUGATED
CS	-COUNTERSINK
CTR	-CENTER
DBL	-DOUBLE
DEFS	-DIRECT APPLIED EXT FINISH SYSTEM
DEG	-DEGREES
DTL	-DETAIL
DF	-DRINKING FOUNTAIN
DIA	-DIAMETER
DIM	-DIMENSION
DN	-DOWN
DS	-DOWNSPOUT
DTL	-DETAIL
DWG	-DRAWING
EA	-EACH
EJ	-EXPANSION JOINT
ELEC	-ELECTRICAL
ELEV	-ELEVATOR, ELEVATION
ENCL	-ENCLOSURE
EQ	-EQUAL
EQUIP	-EQUIPMENT
EWC	-ELECTRICAL WATERCOOLER
EXH	-EXHAUST
EX	-EXISTING
EXT	-EXTERIOR
FD	-FLOOR DRAIN
FEB	-FIRE EXTINGUISHER W/ BRACKET
FEC	-FIRE EXTINGUISHER IN CABINET
FF	-FINISH FLOOR
FHC	-FIRE HOSE CABINET
FIN	-FINISH
FL	-FLOOR
FLG	-FLASHING
FT	-FOOT OR FEET
FTG	-FOOTING
GA	-GAUGE
GALV	-GALVANIZED
GEN	-GENERAL
GND	-GROUND
GWB	-GYPSUM WALLBOARD
GYP	-GYPSUM
HC	-HANDICAPPED ACCESSIBLE
HDR	-HEADER
HDRL	-HANDRAIL
HM	-HOLLOW METAL
HORZ	-HORIZONTAL
HGT	-HEIGHT
ID	-INSIDE DIAMETER (DIM.)
IN	-INCHES
INSUL	-INSULATION
INT	-INTERIOR
JAN	-JANITOR
JB	-JAMB
JT	-JOINT
K	-KIPS (KILO POUND OR 1000LBS.)
KD	-KILN DRIED
L	-STEEL ANGLE, LENGTH
LAM	-LAMINATED
LAV	-LAVATORY
LBS	-POUNDS
LH	-LEFT HAND
LL	-LIVE LOAD
LLH	-LONG LEG HORIZONTAL
LLV	-LONG LEG VERTICAL
LTL	-LINTEL
LTWT	-LIGHTWEIGHT
LVR	-LOUVER
M	-METER
MATL	-MATERIAL
MAX	-MAXIMUM
MC	-MEDICINE CABINET
MECH	-MECHANICAL
MTL	-METAL
MEZZ	-MEZZANINE
MFR	-MANUFACTURER
MIN	-MINIMUM
MISC	-MISCELLANEOUS
MK	-MARK
MO	-MASONRY OPENING
MTD	-MOUNTED
MULL	-MULLION
N	-NORTH
NA	-NOT APPLICABLE
NIC	-NOT IN CONTRACT
NOM	-NOMINAL
NS	-NON SHRINK
NTS	-NOT TO SCALE
OA	-OVERALL
OC	-ON CENTER
OD	-OUTSIDE DIAMETER
OH	-OVERHEAD
OPP	-OPPOSITE
OPPH	-OPPOSITE HAND
PCF	-POUNDS PER CUBIC FOOT
PKG	-PARKING
PL	-PLATE
PLAM	-PLASTIC LAMINATE
PLYWD	-PLYWOOD
PNL	-PANEL
PR	-PAIR
PREFAB	-PREFABRICATED
PREP	-PREPARATION
PSF	-POUNDS PER SQUARE FOOT
PSI	-POUNDS PER SQUARE INCH
PT	-PRESSURE TREATED, PAINT, POINT
PVC	-POLYVINYL CHLORIDE
PVMT	-PAVEMENT
QC	-QUALITY CONTROL
QT	-QUARRY TILE
REF	-REFERENCE
REINF	-REINFORCED, REINFORCEMENT
REQD	-REQUIRED
REV	-REVISION
RH	-RIGHT HAND
RM	-ROOM
RO	-ROUGH OPENING
SAN	-SANITARY
SC	-SOLID CORE
SECT	-SECTION
SEW	-SEWER
SF	-SQUARE FEET
SGL	-SINGLE
SIM	-SIMILAR
SJ	-SAWED JOINT
SPKLR	-SPRINKLER
SQ	-SQUARE
SST	-STAINLESS STEEL
STD	-STANDARD
STL	-STEEL
STOR	-STORAGE
STRUCT	-STRUCTURAL
SUSP	-SUSPENDED
TBD	-TO BE DETERMINED
TEL	-TELEPHONE
TEMP	-TEMPORARY, TEMPERATURE
T&G	-TONGUE & GROOVE
THK	-THICK
TOB	-TOP OF BEAM
TOC	-TOP OF CONCRETE
TOF	-TOP OF FOOTING
TOS	-TOP OF STEEL
TS	-STRUCTURAL TUBE STEEL
TV	-TELEVISION
TYP	-TYPICAL
UNF	-UNFINISHED
UON	-UNLESS OTHERWISE NOTED
UR	-URINAL
VCT	-VINYL COMPOSITION TILE
VB	-VAPOR BARRIER
VERT	-VERTICAL
VEST	-VESTIBULE
VFY	-VERIFY
VOL	-VOLUME
VT	-VINYL TILE
W/	-WITH
W/C	-WATER CLOSET
WD	-WOOD
W/O	-WITHOUT
WP	-WATERPROOF, WORKING POINT
WWF	-WELDED WIRE FABRIC

Index of Drawings:

PHASE:	DRAWN:	REVIEWED:	DATE:	ID:	REVISION:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT	RS, KS, AK, EE	C. WHITLOCK	07/30/21	1	ADDENDUM 1	RS, KS, EE, AK, BG	C. WHITLOCK	01/10/22
50% CONSTRUCTION DOCUMENTS	RS, KS, AK, EE	C. WHITLOCK	10/07/21					
100% CONSTRUCTION DOCUMENTS	RS, KS, BG, AK, EE	C. WHITLOCK	12/28/21					

Client: Leon County R&D Authority, Tallahassee, Florida

Job Title: North Florida Innovation Labs

Consultant:

Seal:

Project #: 21414

Phase: 100% Construction Documents

ALW

Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net

Description: **Index of Drawings, Standard Abbreviations and General Notes**

Sheet No.: **G1.0**

ENVIRONMENTAL PERMIT APPLICATION

FOR:

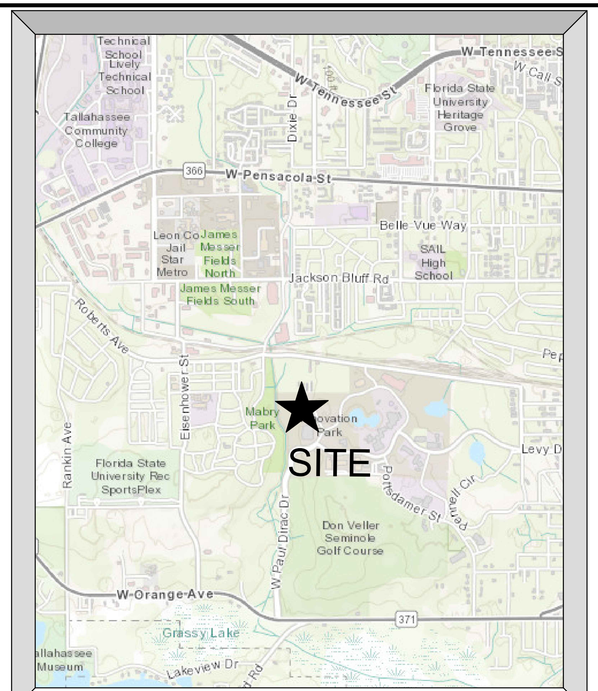
NORTH FLORIDA INNOVATION LABS BUILDING

1729 W. PAUL DIRAC DRIVE
TALLAHASSEE, FL 32310

INDEX

Sheet	Description:
C-1	EXISTING CONDITIONS
C-2	SITE PLAN
C-3	GRADING PLAN
C-4	VEHICLE TRACKING PLAN
C-5	EROSION CONTROL PLAN
T-1	TREE DEBIT/CREDIT
U-1	UTILITY PLAN
D-1	CONSTRUCTION DETAILS

VICINITY MAP



PROJECT DATA

JOB NO.: 21116

PARCEL# 410327 E0050 AND 410327 E0060

PROJECT NAME: NORTH FLORIDA INNOVATION LABS BUILDING

OWNER: LEON COUNTY RESEARCH AND DEVELOPMENT AUTHORITY
2051 W. PAUL DIRAC DRIVE
TALLAHASSEE, FL 32310

PLANS PREPARED BY: POOLE ENGINEERING & SURVEYING, INC.
2145 DELTA BOULEVARD, SUITE 100
TALLAHASSEE, FLORIDA 32303
(850) 386-5117
LICENSE NO. 006745

ENGINEER OF RECORD: CHERYL L. POOLE, P.E. 42037
VICE PRESIDENT - ENGINEERING

SURVEYOR OF RECORD: JAY ALAN KERI P.S.M. 5721
2145 DELTA BOULEVARD, SUITE 100
TALLAHASSEE, FLORIDA 32303 (850) 386-5117

100% CONSTRUCTION DOCUMENTS

DATE PREPARED: 12-09-21

REVISIONS:

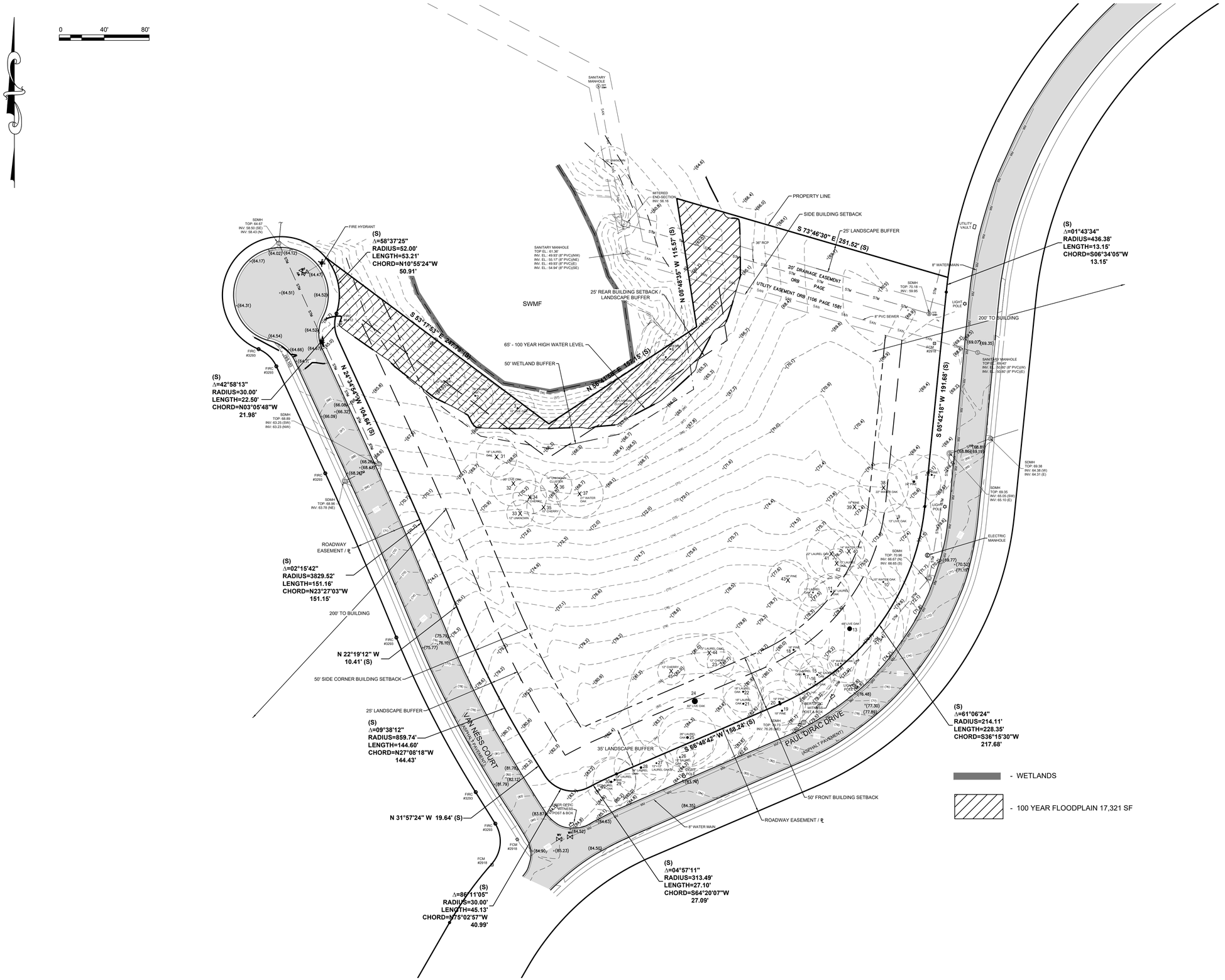
PAGE:	DATE:	INITIAL:	COMMENTS:

POOLE ENGINEERING & SURVEYING, Inc.

2145 DELTA BOULEVARD, SUITE 100
TALLAHASSEE, FLORIDA 32303

CHERYL CHAMBERS POOLE CERTIFICATE No. 42037 STATE OF FLORIDA PROFESSIONAL ENGINEER

This item has been digitally signed and sealed by Cheryl L. Poole on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.



POOLE ENGINEERING & SURVEYING, Inc.
2145 DELTA BLVD. • TALLAHASSEE, FL. 32303 • (850)386-5117 • LICENSE NO: 6246

REVISED:
12-09-21 100% CONSTRUCTION DOCUMENTS

DATE: 09-30-21
SCALE: 1"=40'
DRAWN BY: BRP

PROJECT: NORTH FLORIDA INNOVATION LABS
TITLE: EXISTING CONDITIONS

CHERYL CHAMBERS POOLE
CERTIFICATE
No. 42037
STATE OF FLORIDA
PROFESSIONAL ENGINEER

JOB NUMBER: 21116
SHEET NUMBER: C-1

PEGS, I.

0 30' 60'

SDMH TOP: 64.67 INV: 58.50 (SE) INV: 58.43 (N)

FIRE HYDRANT

(S) Δ=58°37'25" RADIUS=52.00' LENGTH=53.21' CHORD=N10°55'24"W 50.91'

FIRC #6412

FIRC #3293

FIRC #3293

) =42°58'13" ADIUS=30.00' ENGTH=22.50' HORD=N03°05'48"W 21.98'

SDMH TOP: 68.89 INV: 63.25 (SW) INV: 63.23 (NW)

N 24°34'54" W 104.64' (S)

FIRC #3293

SDMH TOP: 68.96 INV: 63.78 (NE)

24" STOP BAR

R5'

CR-E

STOP SIGN

R35'

ROADWAY EASEMENT / ℄

(S) Δ=02°15'42" RADIUS=3829.52' LENGTH=151.16' CHORD=N23°27'03"W 151.15'

200' TO BUILDING

FIRC #3293

N 22°19'12" W 10.41' (S)

50' SIDE CORNER BUILDING SETBACK

25' LANDSCAPE BUFFER

(S) Δ=09°38'12" RADIUS=859.74' LENGTH=144.60' CHORD=N27°08'18"W 144.43'

VAN NESS COURT (ASPHALT PAVEMENT)

FIRC #3293

N 31°57'24" W 19.64' (S)

FIRC #3293

FCM #2918

FCM #2918

(S) Δ=86°11'05" RADIUS=30.00' LENGTH=45.13' CHORD=N75°02'57"W

MITERED END-SECTION INV: 56.16

SANITARY MANHOLE TOP EL.: 61.36' INV. EL.: 49.93' (8" PVC)(NW) INV. EL.: 55.17' (8" PVC)(NE) INV. EL.: 49.93' (8" PVC)(E) INV. EL.: 54.94' (8" PVC)(SE)

S 53°41'53" E 247.79' (S)

N 08°48'35" W 115.57' (S)

PROPERTY LINE

SIDE BUILDING SETBACK

S 73°46'30" E 251.52' (S)

25' LANDSCAPE BUFFER

36" RCP

20' DRAINAGE EASEMENT ORB PAGE

UTILITY EASEMENT ORB 1106 PAGE 1581

25' REAR BUILDING SETBACK / LANDSCAPE BUFFER

SWMF

65' - 100 YEAR HIGH WATER LEVEL

50' WETLAND BUFFER

N 56°41'56" E 157.15' (S)

14" WATER OAK

RAIN GARDEN

16" LAUREL OAK

SITE RETAINING WALL WILL 6' HIGH CMU ENCLOSURE ON TOP AND METAL GATE FOR DUMPSTER ENCLOSURE

15" LIVE OAK

DUMPSTERS

16" LIVE OAK CLUSTER

15" CHERRY

GRAVEL

TRANSFORMER PAD

GENERATOR PAD

ELEVATED PATIO

LOADING DOCK

STEM WALL FOUNDATION WITH 6' HIGH CMU SCREEN WALL

NORTH FLORIDA INNOVATION LABS
1728 WEST PAUL DIRAC DR.
F.F.E.: 75.0'

STAIRS

4' RETAINING WALL

60" LIVE OAK

S 66°48'42" W 158.24' (S)

35' LANDSCAPE BUFFER

PAUL DIRAC DRIVE (ASPHALT PAVEMENT)

50' FRONT BUILDING SETBACK

ROADWAY EASEMENT / ℄

8" WATER MAIN

FIBER OPTIC WITNESS POST & BOX

(S) Δ=04°57'11" RADIUS=313.49' LENGTH=27.10' CHORD=S64°20'07"W 27.09'

UTILITY VAULT

8" WATER MAIN

SDMH TOP: 70.18 INV.: 59.95

8" PVC SEWER

LIGHT POLE

200' TO BUILDING

R25'

24" STOP BAR

STOP SIGN

MONUMENT SIGN

SANITARY MANHOLE TOP EL.: 69/40' INV. EL.: 50.80' (8" PVC)(W) INV. EL.: 50.80' (8" PVC)(E)

PROPOSED FIRE HYDRANT

(S) Δ=01°43'34" RADIUS=436.38' LENGTH=13.15' CHORD=S06°34'05"W 13.15'

SDMH TOP: 69.38 INV: 64.38 (W) INV: 64.31 (E)

SDMH TOP: 69.35 INV: 65.05 (SW) INV: 65.10 (E)

ELECTRIC MANHOLE

SDMH TOP: 70.96 INV: 66.67 (N) INV: 66.65 (S)

(S) Δ=61°06'24" RADIUS=214.11' LENGTH=228.35' CHORD=S36°15'30"W 217.68'

- LANDSCAPE ISLAND

HANDICAP SIGN

TYPICAL LAYOUT

HANDICAP PARKING SIGN WALL OR POST MOUNTED AS NOTED

PARKING BY DISABLED PERMIT ONLY

$250 FINE

HANDICAP PARKING DETAIL
NOT TO SCALE

(3)6" WIDE CHEVRONS EQUALLY SPACED PER AISLE

WHITE LINE

BLUE LINE

GENERAL NOTES:

1. ALL TRAFFIC CONTROL DEVICES MUST BE INSTALLED IN ACCORDANCE WITH M.U.T.C.D., F.D.O.T., AND CITY OF TALLAHASSEE. ALL PAVEMENT MARKINGS, EXCEPT FOR PARKING STALL LINES, SHALL BE THERMOPLASTIC PER CURRENT F.D.O.T. STANDARDS. ALL PAVEMENT MARKINGS SHALL BE WHITE EXCEPT CENTERLINES AND PAINTED CURBS. DISABLED WHEEL CHAIR ACCESS AISLES SHALL BE COLORED BLUE, PER THE FLORIDA ACCESSIBILITY CODE AND OTHER RELATIVE STANDARDS (ADAAG, FDOT, ETC.)
2. ALL RETAINING WALLS THAT ARE EQUAL TO AND GREATER THAN 2 FEET IN HEIGHT SHALL BE REVIEWED AND PERMITTED UNDER A SEPARATE BUILDING PERMIT.
3. FINAL RIGHT OF WAY WALK THROUGH WITH CITY AND/OR COUNTY INSPECTOR IS REQUIRED PRIOR TO FINAL ACCEPTANCE.
4. ALL PROVISIONS OF THE DECLARATION OR PROTECTIVE COVENANTS AND RESTRICTIONS, ARTICLE IX SIGN SECTION SHALL BE APPLICABLE AND SHALL BE APPROVED BY THE COMMITTEE ACCORDINGLY.
5. THE FINISHED FLOOR ELEVATION (FFE) AT THE EXTERIOR DOORS IS A MAXIMUM ONE HALF INCH BELOW THE INTERIOR FFE AT THAT DOOR.
6. CITY ELECTRIC EASEMENT WILL BE REQUIRED FOR THE PRIMARY CONDUIT AND ONSITE TRANSFORMER. EASEMENT SHALL BE RECORDED PRIOR TO FINAL ACCEPTANCE.

PUD ZONING:
BUILDING SETBACKS (REQUIRED/PROVIDED)
BUILDING TO BUILDING - 200 FEET / 300 FEET
SIDE INTERIOR - 50 FEET / 80 FEET
REAR - 25 FEET / 54 FEET

MAXIMUM BUILDING HEIGHT - 8 STORIES, PROPOSED 2 STORIES
(39,646 SF TOTAL FLOOR SPACE)
FAR - 0.126

PARKING:
REQUIRED PARKING:
2 SPACES / 250 SF UP TO 20,000 SF = 160 SPACES
2 SPACES PER 2000 SF FROM 20,001 TO 40,000 SF = 20 SPACES
180 TOTAL SPACES REQUIRED

PROVIDED PARKING: 95 SPACES PLUS 4 HANDICAP SPACES

LANDSCAPE ISLANDS:
REQUIRED: 1 / 4000 SF VUA = 11 LANDSCAPE ISLANDS
11 LANDSCAPE ISLANDS PROVIDED

ADA ROUTE -

FIRE NOTES:

- DEPTH OF FIRE MAIN PIPING (TO TOP OF PIPE):
  36 INCH MINIMUM UNDER DRIVING SURFACES
  30 INCH MINIMUM UNDER NON-DRIVING SURFACES
- FIRE MAIN PIPING SHALL NOT BE COVERED UNTIL INSPECTED BY THE TALLAHASSEE FIRE DEPARTMENT.
- FIRE HYDRANTS SHALL BE A MINIMUM OF 24 INCH ABOVE GRADE MEASURED TO THE CENTER OF THE STEAMER NOZZLE.
- STEAMER NOZZLE TO FACE ROADWAY OR NEAREST POINT OF FIRE DEPARTMENT APPARATUS ACCESSIBILITY WHEN PLACED IN SERVICE.
- A MINIMUM OF 36 IN. CLEAR SPACE SHALL BE MAINTAINED TO PERMIT ACCESS TO (AND OPERATION OF) FIRE PROTECTION EQUIPMENT, FIRE DEPARTMENT INLET CONNECTIONS, AND/OR FIRE PROTECTION SYSTEM CONTROL VALVES.
- A CLEAR SPACE OF NOT LESS THAN 60 IN. SHALL BE PROVIDED IN FRONT OF EACH HYDRANT CONNECTION HAVING A DIAMETER GREATER THAN 2-1/2 INCHES.

CONSTRUCTION START DATE - MAR.1, 2022
PROJECT COMPLETION - SEPT. 2023

TABULATION OF DEVELOPMENT AREA

TYPE	EXISTING (SF)	EXISTING %	PROPOSED (SF)	PROPOSED %
TOTAL BUILDING AREA (SF) (FOOTPRINT)	0.00	0.00	20,906.03	12.64
TOTAL VEHICULAR USE AREA (SF)	0.00	0.00	45,857.67	27.72
MISC. CONCRETE AREA (SF)	0.00	0.00	6,618.21	4.00
TOTAL IMPERVIOUS AREA (SF)	0.00	0.00	73,381.91	44.36
GREEN AREA (SF)	165,435.42	100.00	92,053.51	55.64
SWMF AREA (SF)	0.00	0.00	0.00	0.00
TOTAL AREA (SF)	165,435.42	100.00	165,435.42	100.00

POOLE ENGINEERING & SURVEYING, Inc.
2145 DELTA BLVD. • TALLAHASSEE, FL. 32303 • (850)386-5117 • LICENSE NO: 6246

REVISED:
12-09-21 100% CONSTRUCTION DOCUMENTS

DATE: 09-30-21

SCALE: 1"=30'

DRAWN BY: BRP

PROJECT: NORTH FLORIDA INNOVATION LABS

TITLE: SITE PLAN

CHERYL CHAMBERS CERTIFICATE NO. No. 42037 STATE OF FLORIDA PROFESSIONAL ENGINEER

JOB NUMBER: 21116

SHEET NUMBER: C-2

PEGS, I.

0 30' 60'

PROPOSED STORM
EXISTING STORM

STORMWATER STRUCTURE SCHEDULE

Structure Number	Type	FDOT Index	Top	Invert
S-1	P-2	425-020	65.1'	58.16' E. & W. 60.5' SE, 62.9' S
S-2	P-1	425-020	70.2'	66.2'
S-3	MH	425-001	72.0'	68.0', 4" PVC Underdrain pipe inv. 70.0'
S-4	P-1	425-020	72.9'	68.9'
S-5	P-1	425-020	74.4'	70.4'
S-6	C	425-052	70.5'	66.5'
S-7	MES	430-022		65.5'
YD-1	Nyloplast Catch Basin See Detail Sheet		73.8'	71.5'
YD-2			73.8'	70.9'
YD-3			73.8'	70.5'
YD-4			73.0'	70.0'

PIPE SCHEDULE

From	To	Type	Size	Length
S-1	S-2	HDPE	18"	27'
S-2	S-3	HDPE	18"	126'
S-3	S-4	HDPE	15"	42'
S-4	YD-4	HDPE	10"	18'
YD-4	YD-3	HDPE	10"	46'
YD-3	YD-2	HDPE	10"	38'
YD-2	YD-1	HDPE	10"	52'
S-5	S-6	HDPE	15"	158'
S-6	S-7	HDPE	15"	92'

CONTRACTOR NOTICE 2020 (effective December 31, 2020)

The Contractor & Owner will be held accountable during construction for all site improvements. Compliance with Florida Statutes 553.5041 (F.S.), and the 2020 Florida Building Code, Accessibility, 7th Edition (FBC-A), is mandatory. If non-compliant at final inspection, contractor will be required to modify construction to comply with F.S. and FBC-A. The following items take precedence and supersede other site details on drawings:

1. ACCESSIBLE PARKING spaces shall be located on an accessible route no less than 44' wide so that users will not be compelled to walk or wheel behind parked vehicles except behind his or her own vehicle. §208.1 and §502.3, FBC-A and F.S. 553.5041.
2. ACCESSIBLE PARKING spaces and access aisles serving a particular building shall be located on the shortest accessible route from the accessible (H/C) parking to an accessible entrance. §208.3.1 FBC-A and F.S. 553.5041(5)(b).
3. ACCESSIBLE PARKING spaces shall be 12' wide, and outlined with blue paint. §502.2 and §502.6, FBC-A
4. ACCESS AISLES required adjacent to parking spaces shall be 5' wide with diagonal striping. §502., FBC-A
5. ACCESSIBLE PARKING and access aisles shall be level (not to exceed 1:48) on a stable, firm & slip resistant surface. Re: §302.1, §502.3. FBC-A
6. ACCESSIBLE PARKING signs shall be FDOT approved and shall read 'PARKING BY DISABLED PERMIT ONLY' and shall indicate a $250 fine for illegal use. Install signs a minimum 60" (inches) from the ground to the bottom of the sign(s). Re: §502.6 and F.S 553.5041.
7. CURB RAMPS shall not exceed 1:12 slope, and curb ramp flares shall not exceed 1:10 slope. Curb ramps and flared sides shall not encroach upon parking spaces, access aisles, or vehicular traffic lanes. The counter slope of adjacent road surfaces & gutters shall not exceed 1:20. Re: §405.2, §406., FBC-A
8. CURB RAMPS shall have a landing with a minimum clear length of 36" shall be located at the top side of each curb ramp, a clear width at least as wide as the curb ramp (excluding flared sides) leading to it. Exception: for alterations, where there is no landing, curb ramp flares shall be provided, and shall not be steeper than 1:12 slope. Re: §406, FBC-A
9. ALL RAMPS with a rise greater than 6" shall provide edge protection complying with §405.9 FACBC. Ramps shall have 60" min level landings at the top & bottom. Re: §405.7. FBC-A.
10. ALL RAMPS with a rise greater than 6" shall have handrails on both sides with 12" horizontal extensions at the top & bottom of the ramp. Re: §1D10.9 FBC-B (Florida Building Code - Building) and §505.10 FBC-A.
11. ACCESSIBLE ROUTES to "main entry" from an accessible parking space, and from the "public way", shall not exceed 1:20 slope (unless ramps, handrails with proper extensions are provided) with cross slope not in excess of 1:48. Re: §206, §402 and §403., FBC-A.
12. *Connect buildings within the same site with an accessible route which shall not exceed 1:20 slope (unless ramps and handrails are provided) and a maximum cross slope of 1:48. Re: §206 FBC-A.

* EXCEPTION: An accessible route shall not be required between accessible buildings, accessible facilities, accessible elements, and accessible spaces if the only means of access between them is a vehicular way not providing pedestrian access. Re: §206.2.2 FBC-A

POOLE ENGINEERING & SURVEYING, Inc.
2145 DELTA BLVD. • TALLAHASSEE, FL. 32303 • (850)386-5117 • LICENSE NO: 6246

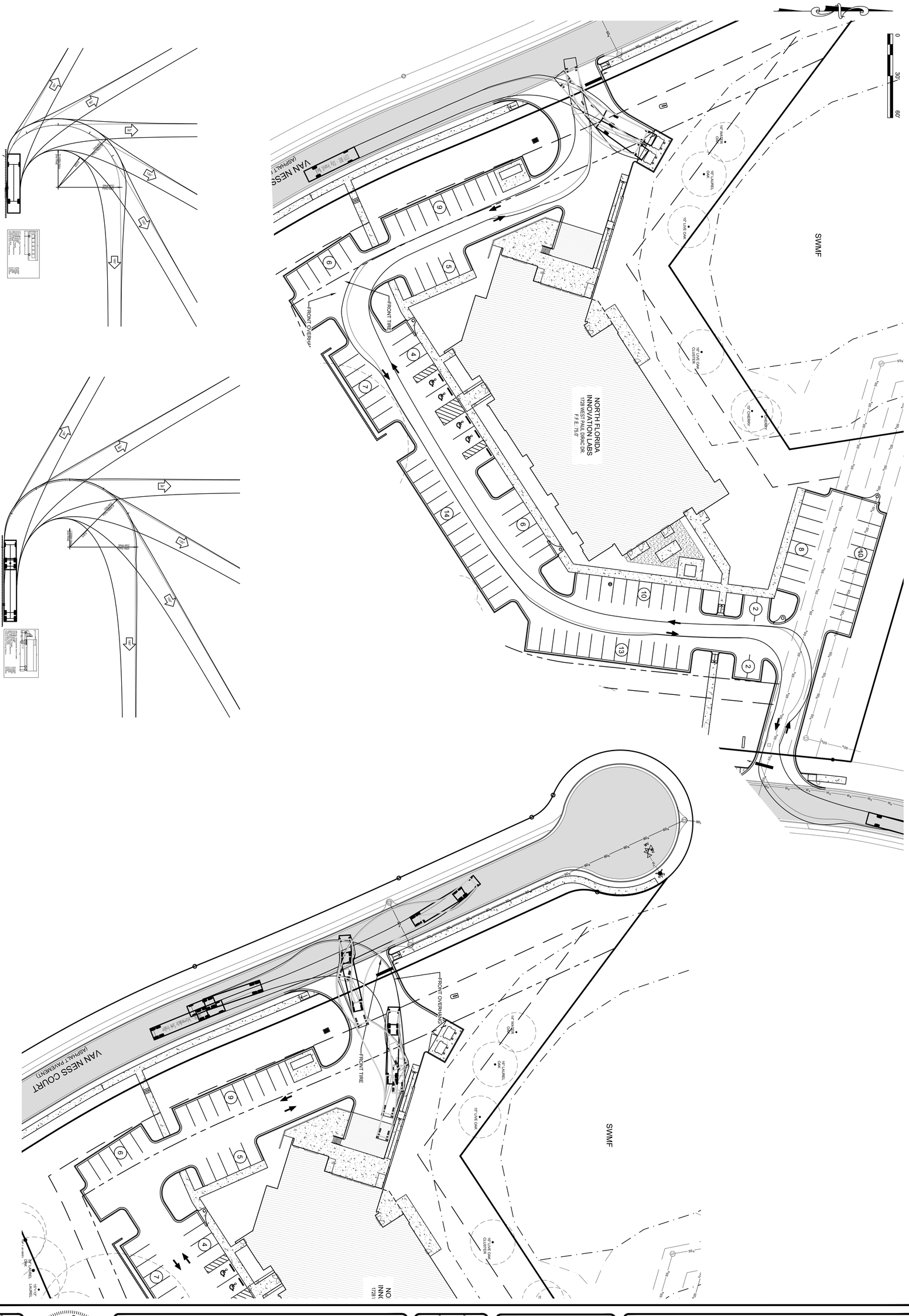
REVISED:
12-09-21 100% CONSTRUCTION DOCUMENTS

DATE: 09-30-21
SCALE: 1"=30'
DRAWN BY: BRP

PROJECT: NORTH FLORIDA INNOVATION LABS
TITLE: GRADING PLAN

CHERYL CHAMBERS POOLE
CERTIFICATE NO.
No. 42037
STATE OF FLORIDA
PROFESSIONAL ENGINEER

JOB NUMBER: 21116
SHEET NUMBER: C-3



PROJECT:
NORTH FLORIDA INNOVATION LABS

TITLE:
VEHICLE TRACKING PLAN

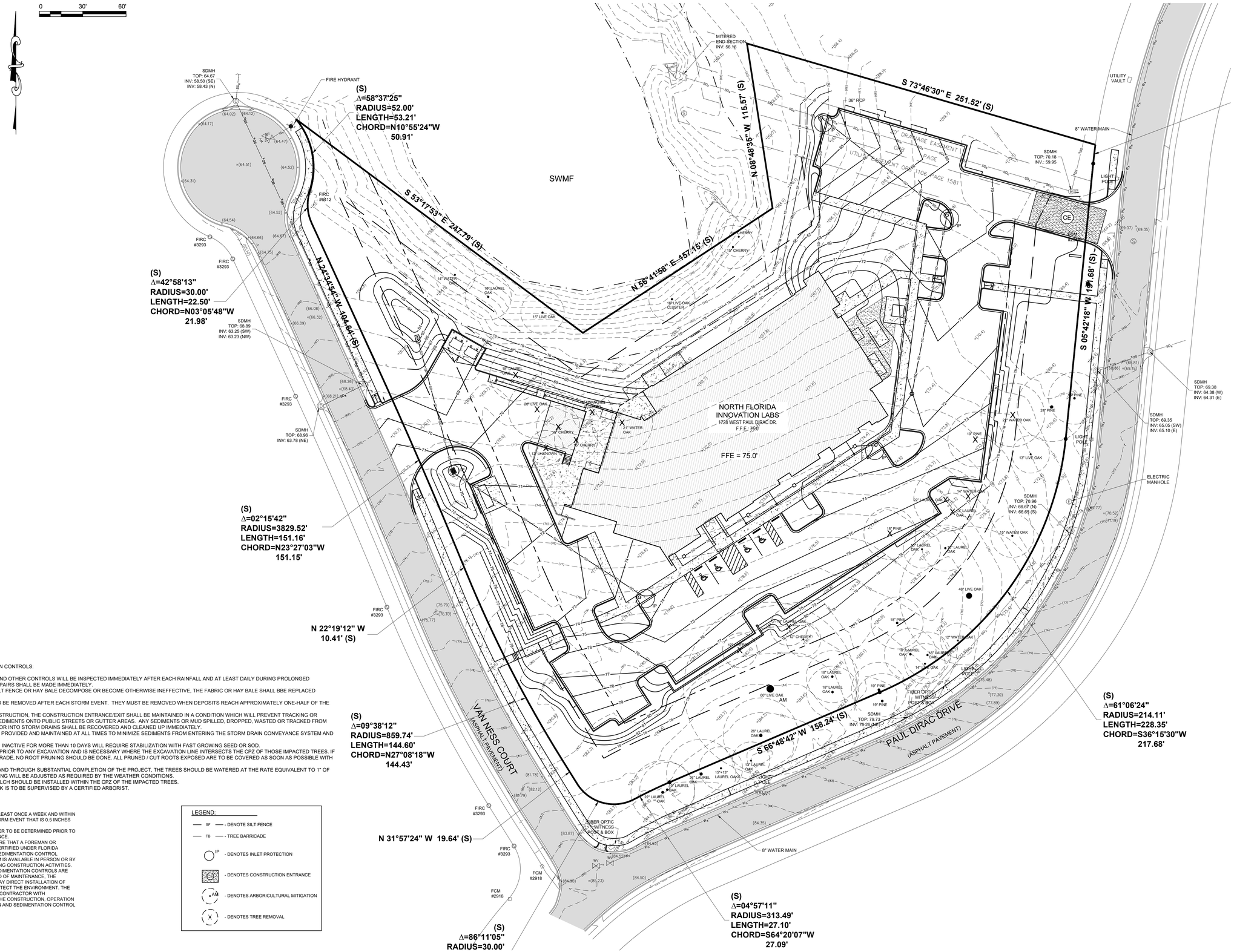
DATE: 09-30-21
SCALE: 1"=30'
DRAWN BY: BRP

REVISED:
12-09-21 100% CONSTRUCTION DOCUMENTS

JOB NUMBER: 21116
SHEET NUMBER: C-4

CHERYL CHAMBERLAIN POOLE
No. 42037
STATE OF FLORIDA
PROFESSIONAL ENGINEER
CERTIFICATE OF AUTHORIZATION

POOLE ENGINEERING & SURVEYING, Inc.
2145 DELTA BLVD. ● TALLAHASSEE, FL. 32303 ● (850)386-5117 ● LICENSE NO: 6246



MAINTENANCE PLAN FOR EROSION CONTROLS:

1. SILT FENCES. CHECK DAMS AND OTHER CONTROLS WILL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
2. SHOULD THE FABRIC ON A SILT FENCE OR HAY BALE DECOMPOSE OR BECOME OTHERWISE INEFFECTIVE, THE FABRIC OR HAY BALE SHALL BBE REPLACED PROMPTLY.
3. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY ONE-HALF OF THE HEIGHT OF THE BARRIER.
4. DURING ALL PHASES OF CONSTRUCTION, THE CONSTRUCTION ENTRANCE/EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR DIRECT FLOW OF MUD AND SEDIMENTS ONTO PUBLIC STREETS OR GUTTER AREAS. ANY SEDIMENTS OR MUD SPILLED, DROPPED, WASTED OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS SHALL BE RECOVERED AND CLEANED UP IMMEDIATELY.
5. INLET PROTECTION SHALL BE PROVIDED AND MAINTAINED AT ALL TIMES TO MINIMIZE SEDIMENTS FROM ENTERING THE STORM DRAIN CONVEYANCE SYSTEM AND STORMWATER FACILITY.
6. ANY AREA THAT WILL REMAIN INACTIVE FOR MORE THAN 10 DAYS WILL REQUIRE STABILIZATION WITH FAST GROWING SEED OR SOD.
7. ROOT PRUNING WILL OCCUR PRIOR TO ANY EXCAVATION AND IS NECESSARY WHERE THE EXCAVATION LINE INTERSECTS THE CPZ OF THOSE IMPACTED TREES. IF ALL WORK IS AT OR ABOVE GRADE, NO ROOT PRUNING SHOULD BE DONE. ALL PRUNED / CUT ROOTS EXPOSED ARE TO BE COVERED AS SOON AS POSSIBLE WITH TOPSOIL OR MULCH.
8. FOLLOWING ROOT PRUNING AND THROUGH SUBSTANTIAL COMPLETION OF THE PROJECT, THE TREES SHOULD BE WATERED AT THE RATE EQUIVALENT TO 1" OF RAINFALL PER WEEK. WATERING WILL BE ADJUSTED AS REQUIRED BY THE WEATHER CONDITIONS.
9. FIVE INCHES OF ORGANIC MULCH SHOULD BE INSTALLED WITHIN THE CPZ OF THE IMPACTED TREES.
10. ALL ARBORICULTURAL WORK IS TO BE SUPERVISED BY A CERTIFIED ARBORIST.

INSPECTIONS:

A. INSPECTIONS MUST OCCUR AT LEAST ONCE A WEEK AND WITHIN 24 HOURS OF THE END OF A STORM EVENT THAT IS 0.5 INCHES OR GREATER.
B. STORMWATER CONTROL OFFICER TO BE DETERMINED PRIOR TO PRE-CONSTRUCTION CONFERENCE.
C. THE CONTRACTOR SHALL ENSURE THAT A FOREMAN OR SUPERVISOR WHO HAS BEEN CERTIFIED UNDER FLORIDA STORMWATER, EROSION AND SEDIMENTATION CONTROL INSPECTOR TRAINING PROGRAM IS AVAILABLE IN PERSON OR BY TELEPHONE AT ALL TIMES DURING CONSTRUCTION ACTIVITIES.
D. IF PROPOSED EROSION AND SEDIMENTATION CONTROLS ARE FOUND INEFFECTIVE OR IN NEED OF MAINTENANCE, THE ENVIRONMENTAL INSPECTOR MAY DIRECT INSTALLATION OF ADDITIONAL MEASURES TO PROTECT THE ENVIRONMENT. THE ENGINEER SHALL FURNISH THE CONTRACTOR WITH INFORMATION PERTAINING TO THE CONSTRUCTION, OPERATION AND MAINTENANCE OF EROSION AND SEDIMENTATION CONTROL PRACTICES.

LEGEND:

- SF — SF - DENOTE SILT FENCE
- TB — TB - TREE BARRICADE
- IP - DENOTES INLET PROTECTION
- CE - DENOTES CONSTRUCTION ENTRANCE
- AM - DENOTES ARBORICULTURAL MITIGATION
- X - DENOTES TREE REMOVAL

POOLE ENGINEERING & SURVEYING, Inc.
2145 DELTA BLVD. • TALLAHASSEE, FL. 32303 • (850)386-5117 • LICENSE NO: 6246

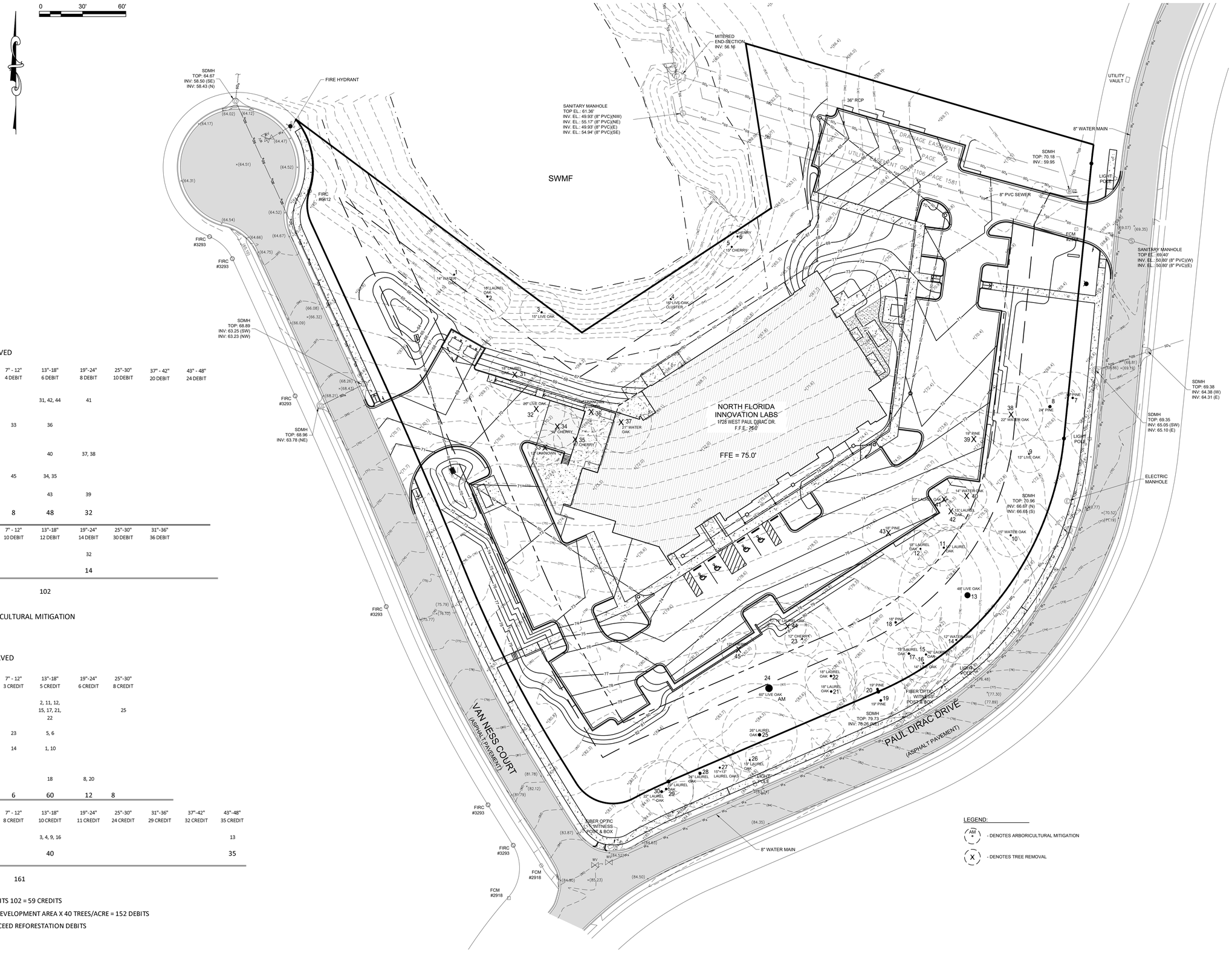
REVISED:
12-09-21 100% CONSTRUCTION DOCUMENTS

DATE: 09-30-21
SCALE: 1"=30'
DRAWN BY: BRP

PROJECT: NORTH FLORIDA INNOVATION LABS
TITLE: EROSION CONTROL PLAN

CHERYL CHAMBERS
CERTIFICATE NO.
No. 42037
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

JOB NUMBER: 21116
SHEET NUMBER: C-5



TREES TO BE REMOVED

CLASS A	4" - 6" 2 DEBIT	7" - 12" 4 DEBIT	13"-18" 6 DEBIT	19"-24" 8 DEBIT	25"-30" 10 DEBIT	37" - 42" 20 DEBIT	43" - 48" 24 DEBIT
LAURAL OAK			31, 42, 44	41			
HACKBERRY		33	36				
WATER OAK			40	37, 38			
CHERRY		45	34, 35				
SHORT LEAF PINE			43	39			
TOTAL DEBITS		8	48	32			

CLASS C	4" - 6" 8 DEBIT	7" - 12" 10 DEBIT	13"-18" 12 DEBIT	19"-24" 14 DEBIT	25"-30" 30 DEBIT	31"-36" 36 DEBIT
LIVE OAK				32		
TOTAL DEBITS				14		

TOTAL REMOVAL DEBITS 102

TREES SUBJECT TO ARBORICULTURAL MITIGATION
#24, 60" LIVE OAK

TREES TO BE PRESERVED

CLASS A	4" - 6" 2 CREDIT	7" - 12" 3 CREDIT	13"-18" 5 CREDIT	19"-24" 6 CREDIT	25"-30" 8 CREDIT
LAURAL OAK			2, 11, 12, 15, 17, 21, 22		25
CHERRY		23	5, 6		
WATER OAK		14	1, 10		
SWEET GUM					
SHORT LEAF PINE			18	8, 20	
TOTAL CREDITS		6	60	12	8

CLASS C	4" - 6" 6 CREDIT	7" - 12" 8 CREDIT	13"-18" 10 CREDIT	19"-24" 11 CREDIT	25"-30" 24 CREDIT	31"-36" 29 CREDIT	37"-42" 32 CREDIT	43"-48" 35 CREDIT
LIVE OAK			3, 4, 9, 16					13
TOTAL CREDITS			40					35

TOTAL PRESERVED CREDITS 161

TREE CREDITS 161 - TREE DEBITS 102 = 59 CREDITS

REFORESTATION: 3.8 ACRE DEVELOPMENT AREA X 40 TREES/ACRE = 152 DEBITS

PRESERVED TREE CREDITS EXCEED REFORESTATION DEBITS

POOLE ENGINEERING & SURVEYING, Inc.
2145 DELTA BLVD. • TALLAHASSEE, FL. 32303 • (850)386-5117 • LICENSE NO: 6246

REVISED:
12-09-21 100% CONSTRUCTION DOCUMENTS

DATE: 07-30-21
SCALE: 1"=30'
DRAWN BY: BRP

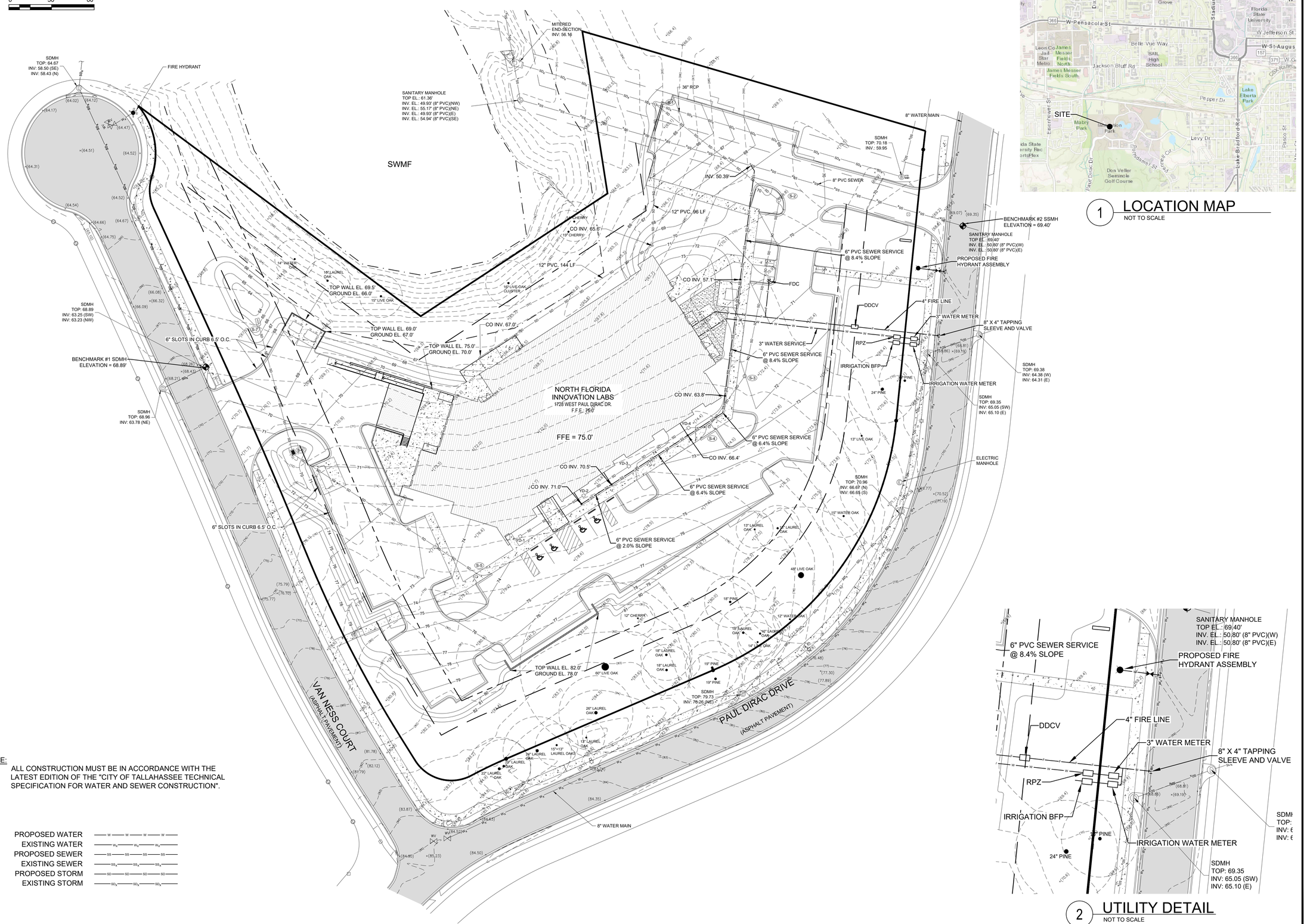
PROJECT: NORTH FLORIDA INNOVATION LABS
TITLE: TREE DEBIT/CREDIT

CHERYL CHAMBERS POOLE
CERTIFICATE
No. 42037
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

JOB NUMBER: 21116
SHEET NUMBER: T-1

PEGS, I.

0 30' 60'



1 LOCATION MAP
NOT TO SCALE

2 UTILITY DETAIL
NOT TO SCALE

NOTE:
ALL CONSTRUCTION MUST BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "CITY OF TALLAHASSEE TECHNICAL SPECIFICATION FOR WATER AND SEWER CONSTRUCTION".

PROPOSED WATER	—W—W—W—W—
EXISTING WATER	—W_X—W_X—W_X—
PROPOSED SEWER	—SS—SS—SS—SS—
EXISTING SEWER	—SS_X—SS_X—SS_X—
PROPOSED STORM	—SD—SD—SD—SD—
EXISTING STORM	—SD_X—SD_X—SD_X—

POOLE ENGINEERING & SURVEYING, Inc.
2145 DELTA BLVD. • TALLAHASSEE, FL. 32303 • (850)386-5117 • LICENSE NO: 6246

REVISED:
12-09-21 100% CONSTRUCTION DOCUMENTS

DATE: 09-30-21
SCALE: 1"=30'
DRAWN BY: BRP

PROJECT: NORTH FLORIDA INNOVATION LABS
TITLE: UTILITY PLAN

CHERYL CHAMBERS POOLE
CERTIFICATE
No. 42037
STATE OF FLORIDA
PROFESSIONAL ENGINEER

JOB NUMBER: 21116
SHEET NUMBER: U-1

PEGS, I.

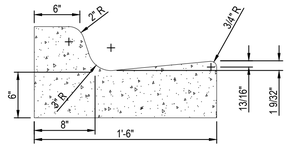
PE&S, I.

- ALL DISTURBED AREAS SHALL BE SODDED OR SEEDED AND MULCHED. DISTURBED AREAS ON RIGHT OF WAY MUST BE SODDED.
- TESTING SERVICES FOR SOIL RELATED WORK SHALL BE PROVIDED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
- WATERLINE CONSTRUCTION SHALL BE SUBSEQUENT TO ALL STORMDRAIN INSTALLATIONS.
- FUNCTIONAL EROSION AND SILTATION CONTROLS SHALL BE INSTALLED AS SHOWN ON THE CONSTRUCTION PLANS PRIOR TO ESTABLISHED ROUGH GRADE.
- CONSTRUCTION OF THE ROADWAY AND DRAINAGE SYSTEMS SHALL CONFORM TO THE 2017 F.D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND 2017/18 DESIGN STANDARDS.
- EACH CONTRACTOR SHALL CARRY ON HIS WORK AND ADHERE TO THE PROGRESS SCHEDULE DURING ALL DISPUTES OR DISAGREEMENTS WITH THE OWNER. NO WORK SHALL BE DELAYED OR POSTPONED PENDING RESOLUTION OF ANY DISPUTES OR DISAGREEMENTS.
- TRAFFIC CONTROL AND STRIPING SHALL BE IN CONFORMANCE WITH NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL/DEVICES PARKING STRIPES 4" WHITE, STOP BARS 24" WHITE.
- FILLING AND SUBGRADE PREPARATION - FILL MATERIALS USED IN PREPARATION OF THE SUBGRADE SHALL BE PLACED IN LIFTS NOT TO EXCEED 8" LOOSE MEASURE AND COMPACTED TO A MINIMUM OF 98% OF MAXIMUM DENSITY AS DETERMINED BY ASTM D1557 (MODIFIED PROCTOR). MATERIALS IMPORTED FROM OFFSITE SHALL HAVE A MINIMUM LBR VALUE OF 40
- CORRECTIVE ACTIONS APPROVED THROUGH THE N.W.F.W.M.D. WILL BE TAKEN BY THE CONTRACTOR SHOULD A STRUCTURAL FAILURE (SINK FEATURE) OCCUR DURING CONSTUCTION THAT HAS THE POTENTIAL TO CAUSE DIRECT DISCHARGE OF SURFACE WATER INTO THE FLORIDA AQUIFER SYSTEM.

CONSTRUCTION NOTES

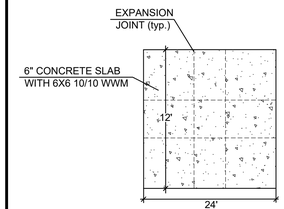
1. THE CONTRACTOR SHALL POST THE ENVIRONMENTAL PERMIT PLACARD IN AN OBVIOUS LOCATION AND PROTECT FROM WEATHER. THE PERMIT SHALL NOT BE POSTED TO A TREE.
2. A PRE-CONSTRUCTION MEETING SHALL BE HELD PRIOR TO ANY SITE WORK INCLUDING CLEARING OR GRADING. THE ENGINEER OF RECORD SHALL SET THE MEETING DATE AND THE MEMBERS OF THE MEETING WILL INCLUDE THE ENVIRONMENTAL INSPECTOR, GENERAL CONTRACTOR, SITE CONTRACTOR, UTILITY CONTRACTOR, CITY UTILITIES INSPECTOR, AND THE ENGINEER OF RECORD, AT A MINIMUM.
3. CONTRACTOR SHALL VERIFY LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
4. LIMITS OF CLEARING SHALL BE ESTABLISHED AS WELL AS TREE BARRICADES AND OTHER EROSION CONTROL MEASURES AS DESCRIBED IN THE CONSTRUCTION PLANS OR DIRECTED BY THE ENVIRONMENTAL INSPECTOR.
5. THE CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED SUCH THAT MINIMAL SOIL MATERIAL IS TRACKED ONTO THE PUBLIC ROADS. IN THE EVENT MATERIAL IS TRACKED ONTO THE ROADS, THE SITE CONTRACTOR WILL BE RESPONSIBLE FOR STREET SWEEPING OR OTHER MEASURES TO REMOVE SUCH MATERIAL FROM THE ROADS.
6. CLEARING THE REMAINDER OF THE SITE AREA MAY BEGIN ONLY WITH THE APPROVAL OF THE EROSION CONTROL MEASURES BY THE ENVIRONMENTAL INSPECTOR. THE ENVIRONMENT INSPECTOR WILL BE INSPECTING AND APPROVING THE INSTALLATION OF BARRICADES, PERIMETER EROSION CONTROLS ALL PRIOR TO STARTING EARTH DISTRIBUTING ACTIVITIES. ANY AREA THAT WILL REMAIN INACTIVE FOR MORE THAN 10 DAYS WILL REQUIRE STABILIZATION WITH FAST GROWING SEED OR SOD.
7. ALL VEHICLE PATHWAYS, MATERIAL STORAGE, PARKING, STOCKPILING, AND FUELING AREAS SHALL BE LOCATED AWAY FROM CPZ OF PROTECTED TREES, WATERWAYS AND WATER SOURCES.
8. DIRECT DRAINAGE TO INLETS.
9. SOD ALL SLOPES IMMEDIATELY AFTER CONSTRUCTION.
10. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED BY THE ENVIRONMENTAL INSPECTOR OR THE ENGINEER OF RECORD AS NECESSARY TO ENSURE THAT SEDIMENTS ARE ADEQUATELY CONTROLLED.
11. REMOVE SEDIMENTS FROM STORMWATER PIPES AND STORMWATER FACILITY.
12. LANDSCAPE AND STABILIZE ALL DISTURBED AREAS.
13. THE ENGINEER OF RECORD WILL BE RESPONSIBLE FOR SUBMITTING TO THE CITY AS-BUILT CERTIFICATION FOR THE PROJECT WHEN COMPLETED.

CONSTRUCTION SEQUENCE



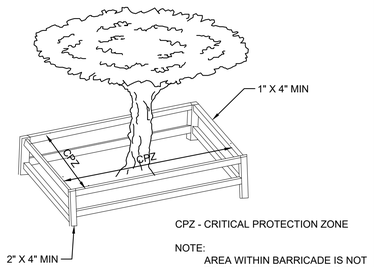
NOTE:
WHEN USED ON THE HIGH SIDE OF INVERTED PARKING AREA, THE CROSS SLOPE OF THE GUTTER SHALL MATCH THE CROSS SLOPE OF THE ADJACENT PAVEMENT. WHERE THIS CONDITION IS ENCOUNTERED, THE FRONT FACE VERTICAL DIMENSION SHALL REMAIN AS SHOWN FOR NORMAL SECTIONS.

1 CURB & GUTTER
NTS



NOTES:
1. ALL CONCRETE FOR DUMPSTER PAD SHALL BE 3000 PSI.
2. SEE PLAN VIEW FOR BOLLARD LOCATIONS.

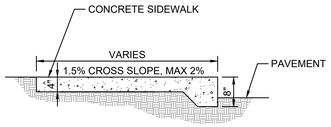
2 DUMPSTER PAD DETAIL
NTS



CPZ - CRITICAL PROTECTION ZONE

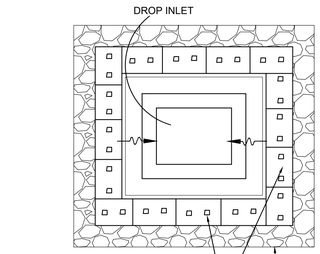
NOTE:
AREA WITHIN BARRICADE IS NOT TO BE USED FOR STORAGE OR MATERIAL OR EQUIPMENT

3 TREE BARRICADE
NTS



NOTE: ALL CURB CUT RAMPS SHALL BE CONSTRUCTED AS PER F.D.O.T. INDEX #304 AND ALL SIDEWALK SHALL BE CONSTRUCTED PER FDOT INDEX 310.

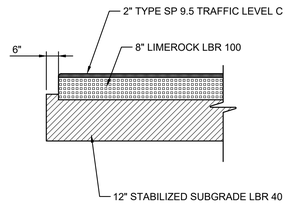
4 SIDEWALK DETAIL
NTS



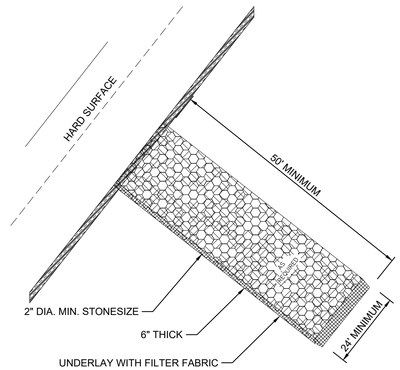
CONCRETE BLOCKS 1 OR 2 LAYERS HIGH COVERED IN WIRE SCREEN WITH 0.5" OPENINGS

1" DIA. ROCK PLACED AROUND AND TO THE TOP OF THE CONCRETE BLOCKS

5 DROP INLET PROTECTION
NTS

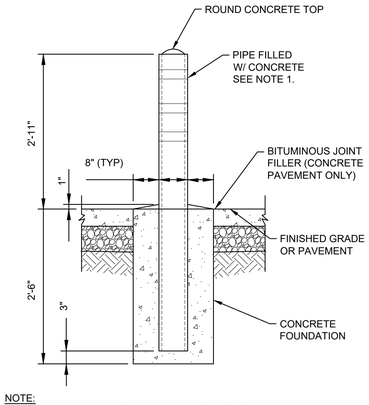


6 PAVEMENT SECTION
NTS



NOTE:
THE CONSTRUCTION ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR DIRECT FLOW OF MUD & SEDIMENTS ONTO PUBLIC STREETS OR GUTTERS. PERIODIC TOP DRESSING WITH STONE WILL BE NECESSARY AND AN ADEQUATE SUPPLY SHOULD BE HANDY. ANY SEDIMENTS OR MUD WHICH STILL MAKES IT ONTO THE PUBLIC STREETS OR GUTTERS SHALL BE CLEANED UP IMMEDIATELY.

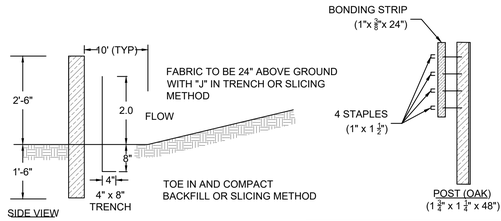
7 CONSTRUCTION ENTRANCE
NTS

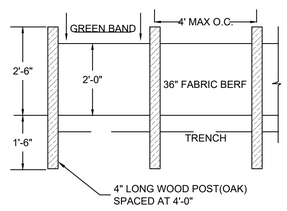


NOTE:
1. 5" I.D., 5 " O.D. SCHEDULE 40 GALV IRON PIPE
2. PAINTED EGLIN BROWN, WITH 3 EA. 3" WIDE 3M DIAMOND GRADE REFLECTIVE VINYL TAPE STRIPES.
2. BOLLARD DESIGN TO MEET EGLIN AFB DESIGN MANUAL 2018 EDITION.

8 FIXED BOLLARD
NTS

APPROVED ALTERNATE
FDOT TYPE IV SILT FENCE SYSTEM
STATE OF FLORIDA EROSION & SEDIMENT CONTROL DESIGNER & REVIEWER MANUAL



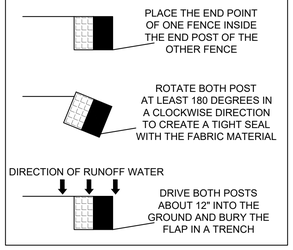


MINIMUM OVERLAP OF 18" IS TO BE PROVIDED AT ALL SPLICE JOINTS

FRONT ELEVATION

BELTED SILT RETENTION FENCE (BSRF)
Priority 1 - Green Band

REPAIR DETAIL
ATTACHING TWO SILT FENCES
WHEN TRENCHING IS USED



NOTE: SILT FENCE CONSTRUCTION AND MATERIAL SHALL COMPLY WITH FDOT SPECS 104-6

9 SILT FENCE
NTS

POOLE ENGINEERING & SURVEYING, Inc.

REVISED:
12-09-21 100% CONSTRUCTION DOCUMENTS

DATE:
12-09-21

SCALE:
AS NOTED

DRAWN BY:
BRP

PROJECT:
NORTH FLORIDA INNOVATION LABS

TITLE:
CONSTRUCTION DETAILS

CHERYL CHAMBERS POOLE
CERTIFICATE
No. 42037
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

JOB NUMBER:
21116

SHEET NUMBER:
D-1

PE&S, I.

N
W E
S

GRAPHIC SCALE

0 15 30 60

1 inch = 30 ft.

GENERAL NOTES:

1. ALL PLANT MATERIAL SHALL BE NO. 1 OR BETTER AS DESCRIBED IN THE "GRADES AND STANDARDS FOR NURSERY PLANTS", SECOND EDITION, STATE OF FLORIDA, DEPARTMENT OF AGRICULTURE, TALLAHASSEE, FLORIDA.
2. QUANTITIES ON LANDSCAPE PLAN ARE MINIMUM ONLY. CONTRACTOR IS RESPONSIBLE FOR THEIR OWN QUANTITY TAKE-OFF, AND SHALL PROVIDE ALL PLANT MATERIAL REQUIRED TO FILL PLANT BED AREA AT SPACING ON PLANT SCHEDULE.
3. SPECIFIED HEIGHT, SPREAD, AND VERIFICATION OF THE CALIPER OF PLANT MATERIAL SHALL TAKE PRECEDENCE AND MUST BE MET.
4. ALL SOILS MUST BE TREATED WITH PRE AND POST- EMERGENTS TO PROVIDE WEED-FREE PLANTING BEDS FOR A MINIMUM OF 90 DAYS FROM DATE OF FINAL COMPLETION.
5. A MINIMUM OF 3" THICK PINE STRAW MULCH SHALL BE PLACED WITHIN ALL LANDSCAPE AREAS UNLESS OTHERWISE NOTED.
6. ANY PLANT SIZE AND /OR SUBSTITUTION SHALL BE REVIEW AND APPROVED BY PROJECT LANDSCAPE ARCHITECT.
7. CONTRACTOR TO STAKE LOCATION FOR ALL TREES ON PLANS FOR APPROVAL.
8. CONTRACTOR SHALL TEST SOIL pH AND CONDITION AND AMEND AS REQUIRED TO ACHIEVE PROPER SOIL CONDITIONS AND ENSURE PLANT MATERIAL SURVIVABILITY.

LEGEND

- 20" OAK — EXISTING TREE TO REMAIN
- 20" OAK — EXISTING TREE TO BE MITIGATED FOR IMPACTS
- SELECTIVE CLEARING AREA
- LIVE OAK
- RED MAPLE
- TULIP POPLAR
- RIVER BIRCH
- SWEET BAY
- RED BUD
- EAGLESTON HOLLY
- WAX MYRTLE
- SWEET VIBURNUM
- AUTUMN IVORY AZALEA
- COONTIE
- SHI SHI CAMELIA
- DWARF BOTTLEBRUSH
- CAST IRON PLANT
- MUHLY GRASS
- EVERGREEN GIANT LIRIOPE
- FLAX LILY
- ANNE MARIE LANTANA
- LANCE-LEAF TICKSEED
- SOD

PLANTING SCHEDULE

QTY	SYM	BOTANICAL NOMENCLATURE	COMMON NAME	SIZE / SPACING	TREE CATEGORY-CREDIT	TREE CREDIT
TREES						
20	AR	ACER RUBRUM	FLORIDA FLAME MAPLE	14'-6' HT, 3" CAL, 45 GAL	A -1 CREDIT EA.	20
4	BN	BETULA NIGRA	RIVER BIRCH	8'-9' x 5'-6', 2" CAL, 45 GAL	A -1 CREDIT EA.	4
7	CC	CERCIS CANADENSIS	EASTERN REDBUD	8'-9' x 4', 2" CAL, 30 GAL	D - 6 CREDIT EA.	42
12	IA	ILEX X ATTENUATA 'EAGLESTON'	EAGLESTON HOLLY	8'-10' HT, 2" CAL, 30 GAL	D - 6 CREDIT EA.	72
8	LT	LIRIODENDRON TULIPIFERA	TULIP POPLAR	12'-14' HT, 3" CAL, FIELD GROWN	C - 5 CREDIT EA.	40
10	MV	MAGNOLIA VIRGINIANA	SWEET BAY MAGNOLIA	9' HT X 4' SPD, 2.5" CAL, FIELD GROWN	D - 6 CREDIT EA.	60
14	QV	QUERCUS VIRGINIANA 'CATHEDRAL'	CATHEDRAL LIVE OAK	15' HT X 9' SPD. 3" CAL, 65 GAL	C - 5 CREDIT EA.	70
SHRUBS					TOTAL PLANTED TREE CREDITS:	308
45	AE	ASPIDISTRA ELATIOR	CAST IRON PLANT	3 GAL, 36" OC		
33	CS	CAMELLIA SASANQUA	LIGHT PINK SHI SHI	3 GAL, 36" OC		
58	LJ	CALLISTEMON 'LTTLE JOHN'	DWARF BOTTTLEBRUSH	1 GAL, 30" OC		
443	MC	MUHLENBERGIA CAPILLARIS	PINK MUHLY GRASS	3 GAL, 36" OC, FULL		
23	WM	MYRICA CERIFERA	WAX MYRTLE	15 GAL, SEE PLAN		
86	RS	RHODODENDRON 'ROBLEV'	AUTUMN IVORY	3 GAL, 36" OC		
35	VO	VIBURNUM ODORATISSIMUM	SWEET VIBURNUM	7 GAL, 48" OC		
17	ZP	ZAMIA PUMILA	COONTIE	3 GAL, 36" OC		
GROUND COVER						
114	CL	COREOPSIS LANCEOLATA	LANCE-LEAF TICKSEED	1 GAL, 24" OC, 3-4 STEMS		
192	DT	DIANELLA TASMANICA	VARIGATED FLAX LILY	3 GAL, 30" OC, FULL		
224	LM	LIRIOPE MUSCARI	BIG BLUE LIRIOPE	1 GAL, 30" OC		
156	LC	LANTANA CAMARA 'ANNE MARIE'	ANNE MARIE LANTANA	1 GAL, 30" OC		
3,593	SY	ZOYSIA SPP	ZOYSIA SOD	12" X 24", AREAS SHOWN ON PLAN		
		MULCH	PINE STRAW	3" MIN DEPTH, INCLUDE SELECTIVE CLEARING AREA		

TULLO PLANNING GROUP
LAND USE PLANNING
LANDSCAPE ARCHITECTURE
P.O. Box 27601
Panama City Beach, Florida 32411
Ph. 850.527.0653
Fax 850.235.3997
gtullo@tulloplanning.com
www.tulloplanning.com

PROJECT NAME
NORTH FLORIDA INNOVATIONS LABS

CLIENT NAME
INNOVATION PARK

REVISIONS

DATE 12-09-2021
CONTRACT # 103.000
DRAWN BY GMTW

SHEET TITLE
LANDSCAPE PLAN
100% CONSTRUCTION DOCUMENTS

GINA TULLO-WILLIAMS
FL. REG. NO. LA0001546

SEAL

LS.1
SHEET

LANDSCAPE SPECIFICATIONS

1. SCOPE OF WORK
   A. THE WORK CONSISTS OF: FURNISHING ALL LABOR, MATERIALS, EQUIPMENT, TOOLS, TRANSPORTATION, AND ANY OTHER APPURTENANCES NECESSARY FOR THE COMPLETION OF THIS PROJECT AS SHOWN ON THE DRAWINGS, AS INCLUDED IN THE PLANT LIST, AND AS HEREIN SPECIFIED.
   B. WORK SHALL INCLUDE MAINTENANCE AND WATERING OF ALL CONTRACT PLANTING AREAS AS UNTIL CERTIFICATION OF ACCEPTABILITY BY THE OWNER.

2. PROTECTION OF EXISTING STRUCTURES
   A. ALL EXISTING WALKS, WALLS, PAVING, PIPING, OTHER SITE CONSTRUCTION ITEMS, AND PLANTING ALREADY COMPLETED OR ESTABLISHED SHALL BE PROTECTED FROM DAMAGE BY THE CONTRACTOR UNLESS OTHERWISE SPECIFIED. ALL DAMAGE RESULTING FROM NEGLIGENCE SHALL BE REPARIED OR REPLACED TO THE SATISFACTION OF THE OWNER, AT NO COST TO THE OWNER.
   B. WORK WITHIN 15 FT OF EXISTING TREES TO REMAIN SHALL BE PERFORMED BY HAND. ANY DISTURBED ROOTS SHALL BE SEVERED USING CLEAN, SHARP TOOLS.

3. MATERIALS
   A. SUBMIT PRODUCT SAMPLES AND DATA SHEETS FOR ALL PROPOSED MATERIALS, INCLUDING BUT NOT LIMITED TO PLANT MATERIAL, STAKING AND BRACING KITS, MYCORRHIZAL SOIL INOCULATE, FERTILIZER, MULCH, AND "BLENDED SOIL" FOR REVIEW AND WRITTEN APPROVAL BY THE PROJECT LANDSCAPE ARCHITECT PRIOR TO DELIVERY.
   B. ALL PLANT MATERIAL SHALL BE FLORIDA GRADE NO. 1 OR BETTER AS SPECIFIED IN GRADES AND STANDARDS FOR NURSERY PLANTS PART I AND II. DIVISION OF PLANT INDUSTRY, FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES, LATEST EDITION, AND SHALL CONFORM TO CURRENT AMERICAN ASSOCIATION OF NURSERYMEN STANDARDS FOR NURSERY STOCK.
   C. CONTAINER GROWN PLANTS: A MINIMUM OF 80% OF THE CONTAINER ROOTBALL MUST BE BOUND BY THE ROOT SYSTEM. ENCIRCLING OR "RING" ROOTS ARE PROHIBITED AND PLANTS WILL BE REJECTED.
   D. AS PART OF THE CONTRACTOR'S RESPONSIBILITY TO ENSURE LONG TERM HEALTH AND VIABILITY OF PLANT MATERIAL, DETERMINE, AT A MINIMUM, SITE CONDITIONS, PLANT MATERIAL AVAILABILITY, SOIL ANALYSIS/AMENDMENTS, FERTILIZER APPLICATION RATES, MYCORRIHZAL SOIL INOCULATE APPLICATION RATES AND WATERING REQUIREMENTS.
   E. WARRANT ALL PLANT MATERIAL FOR A PERIOD OF ONE (1) YEAR AFTER DATE OF SUBSTANTIAL COMPLETION. REMOVE AND REPLACE TREES, SHRUBS OR OTHER PLANTS FOUND TO BE DEAD OR IN UNHEALTHY CONDITION DURING WARRANTY PERIOD. PLANT MISSING TREES, SHRUBS AND GROUND COVER. MAKE REPLACEMENTS DURING GROWTH SEASON FOLLOWING END OF WARRANTY PERIOD, OR AS REQUESTED BY OWNER. FURNISH AND PLANT REPLACEMENTS WHICH COMPLY WITH REQUIREMENTS SHOWN AND SPECIFIED.

4. SOIL MIXTURE
   A. AS A MINIMUM FOR BIDDING PURPOSES, ASSUME THE FOLLOWING CONCERNING SOIL ANALYSIS, RECOMMENDATIONS, AND AMENDMENTS:
   COLLECT SOIL SAMPLES AT A MINIMUM OF TWO (2) PLANTING LOCATIONS DISTRIBUTED EVENLY THROUGHOUT THE PROJECT. SUBMIT TESTING LOCATIONS TO THE COUNTY FOR WRITTEN APPROVAL PRIOR TO TAKING SAMPLES. SEND SAMPLES TO AN AGRONOMIC SOILS TESTING LABORATORY APPROVED BY THE PROJECT ENGINEER STATING PROPOSED PLANT MATERIAL AT EACH TEST LOCATION. ANALYSIS TO INCLUDE, AT A MINIMUM, PH, NPK, ORGANIC CONTENT, TEXTURE, AND SOLUBLE SALTS. SUBMIT RESULTS/RECOMMENDATIONS AND PROPOSED FERTILIZER ANALYSIS/AMENDMENTS TO THE PROJECT ENGINEER.
   B. "BLENDED SOIL" SHALL CONSIST OF: 1/3 MUSHROOM COMPOST OR PEAT, 1/3 COMMERCIALLY PROCESSED AND COMPOSTED COW MANURE AND 1/3 COMPOSTED BARK.
   C. TOPSOIL FOR SODDED AREAS TO BE SIEVED TOPSOIL IMPORTED TO THE SITE, FREE OF ROCKS AND DEBRIS. SUBMIT SOIL ANALYSIS RESULTS FROM AN APPROVED AGRONOMIC SOILS TESTING LABORATORY FOR A MINIMUM OF PH, ORGANIC CONTENT, SOLUBLE SALTS, AND TEXTURE WITH A STATEMENT OF SUITABILITY FOR BERMUDA SOD GROWTH. INSTALL AT ALL PROPOSED SOD AREAS (2" AVERAGE DEPTH). IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE SUITABILITY FOR GROWTH OF PROPOSED PLANT MATERIAL.

5. FERTILIZER
   THE FOLLOWING APPLICATION RATES ARE PROVIDED AS A RECOMMENDATION ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE APPROPRIATE FERTILIZER/AMENDMENTS TO ENSURE PROPER ESTABLISHMENT AND VIGOR OF PLANT MATERIAL.
   A. ASSUME THE FOLLOWING CONCERNING FERTILIZER:
   FOR INITIAL INSTALLATION OF TREES AND SHRUBS: FERTILIZER IS ASSUMED TO BE CONTROLLED RELEASE FERTILIZER WITH A 15-9-12 ANALYSIS AND CONTAINING TRACE ELEMENTS MG, S, B, CU, FE, MN, MO, AND ZN. FERTILIZER GRANULES TO BE COMPOSED OF DRY NUTRIENTS ENCAPSULATED IN MULTIPLE LAYERS OF POLYMERIC RESIN.

6. MYCORRHIZAL INOCULANT FOR PLANTING PITS AND SOD
   USE AND APPLY SOIL INOCULANT PER MANUFACTURER RECOMMENDATIONS TO EACH PLANTING PIT. THE INOCULANT IS TO BE SLOW RELEASE AND CONTAIN BOTH ENDO AND ECTOMYCORRHIZAL INOCULANTS COMBINED WITH HUMIC ACIDS, TRICHODERMA, STIMULANTS, BENEFICIAL BACTERIA, SOLUBLE SEA KELP, YUCCA PLANT EXTRACTS, AND A WATER RETENTION GEL.

7. MULCH
   FOR PLANT BEDS, MULCH ON GRADE AREAS, AND INDIVIDUAL TREE RINGS WITH SPECIFIED MULCH. UNIFORMLY SPREAD MULCH OVER THE FULL DIAMETER OF EACH PLANTING BED, MULCH ON GRADE AREA, AND INDIVIDUAL TREE RINGS. MULCH INCLUDES INITIAL INSTALLATION (3" DEPTH). DO NOT PLACE MULCH AGAINST TRUNKS OR STEMS OF PLANTS.

8. FINAL INSPECTION/ACCEPTANCE OF WORK/WARRANTY
   A. FINAL INSPECTION AT THE END OF THE WARRANTY PERIOD SHALL BE ON PLANTING, CONSTRUCTION AND ALL OTHER INCIDENTAL WORK PERTAINING TO THIS CONTRACT. ANY REPLACEMENT AT THIS SHALL BE SUBJECT TO THE SAME TIMEFRAME WARRANTY AS SPECIFIED IN CONTRACT.
   B. THE LIFE AND SATISFACTORY CONDITION OF ALL PLANT MATERIAL INSTALLED BY THE LANDSCAPE CONTRACTOR SHALL BE WARRANTED BY THE CONTRACTOR FOR A MINIMUM OF ONE (1) CALENDAR YEAR COMMENCING AT THE TIME OF CERTIFICATION OF ACCEPTABILITY BY THE OWNER'S RESPRESENTATIVE.
   C. ANY PLANT NOT FOUND IN A HEALTHY GROWING CONDITION AT THE END OF THE WARRANTY PERIOD SHALL BE REMOVED FROM THE SITE AND REPLACED WITHIN 2 WEEKS OR AS SOON AS WEATHER CONDITIONS PERMIT. ALL REPLACEMENTS SHALL BE PLANTS OF THE SAME KIND AND SIZE AS SPECIFIED IN THE PLANT LIST. THEY SHALL BE FURNISHED, PLANTED AND MULCHED AS SPECIFIED UNDER "PLANTING PREPARATION" AT NO ADDITIONAL COST TO THE OWNER.

PLANTING AREA PREPARATION NOTES:

1. PLANTING AREA PREPARATION TO OCCUR AS FOLLOWS:
   A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES, ELECTRICAL WIRING, WATER, ETC., PRIOR TO PLANT MATERIAL OR IRRIGATION INSTALLATION. DAMAGED UTILITY LINES SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO OKALOOSA COUNTY.
   B. LAY OUT AND STAKE LOCATIONS OF PLANTINGS TO ACCURATELY REFLECT PLANS. COORDINATE WITH THE PROJECT LANDSCAPE ARCHITECT TO REVIEW LAYOUT AND STAKING ON SITE. PROVIDE A MINIMUM OF FIVE (5) BUSINESS DAYS ADVANCED NOTIFICATION .
   C. THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER OF ANY UNFORESEEN CONDITIONS I.E., COMPACTED SOIL / SUBGRADE, POOR DRAINAGE, UNCONSOLIDATED SOIL, EROSION, UTILITY CONFLICTS, EXCESSIVE SUN OR SHADE, ETC., PRIOR TO PROCEEDING WITH LANDSCAPE INSTALLATION.
   D. APPLY HERBICIDE WHERE PLANT BEDS, MULCH ON GRADE AREAS, AND SOD AREAS ARE PROPOSED. BEGIN PROCESS A MINIMUM OF 28 DAYS PRIOR TO PLANTING AS FOLLOWS: SPRAY AREA TO BE KILLED WITH GLYPHOSATE PER MANUFACTURER RECOMMENDATIONS.
   E. EXCAVATE TREE WELLS WITH VERTICAL SIDES AND WITH BOTTOM OF EXCAVATION AT A LEVEL SO THAT THE TOP OF THE ROOT BALL OF THE PLANT IS 10% HIGHER THAN THE FINISH GRADE.
   F. EXCAVATION FOR SHRUBS: SET THE TOP OF THE ROOT BALL AT THE SAME ELEVATION AS ADJACENT FINISHED LANDSCAPE GRADES OR UP TO ONE-HALF INCH HIGHER, BUT NOT LOWER THAN ADJACENT GRADES. EXCAVATIONS MUST BE AT LEAST TWICE AS WIDE AS THE PLANT'S ROOT BALL DIAMETER. DISPOSE OF UNUSABLE SUBSOIL REMOVED FROM LANDSCAPED EXCAVATIONS.
   G. INSTALL MYCORRHIZAL INOCULANT PER MANUFACTURER RECOMMENDATIONS.
   H. FILL PLANTING PIT WITH PLANTING BACKFILL MIXTURE IN LIFTS AND TAMP LIGHTLY AROUND EACH AND EVERY PLANT. THOROUGHLY FLUSH WITH WATER AT EACH LIFT AND MAKE ADJUSTMENTS TO PROVIDE PROPERLY SET PLANT MATERIAL. INSTALL FERTILIZER PER MANUFACTURER RECOMMENDATIONS.
   I. ESTABLISH FINISHED PRE-MULCHING GRADE.
   J. TREE STAKING SHALL BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH THE PLANS TO INSURE STABILITY AND MAINTAIN TREES IN AN UPRIGHT POSITION. IF THE CONTRACTOR AND OWNER DETERMINE TO WAIVE THE STAKING, THE OWNER SHALL NOTIFY THE LANDSCAPE ARCHITECT IN WRITING AND AGREE TO INDEMNIFY AND HOLD HARMLESS THE LANDSCAPE ARCHITECT IN THE EVENT UNSUPPORTED TREES PLANTED UNDER THIS CONTRACT FALL AND DAMAGE PERSON OR PROPERTY. ALL STAKING SHALL BE REMOVED IN ONE YEAR OR ONCE THE TREES ARE ESTABLISHED.
   K. EVENLY SPREAD MULCH ACROSS PLANTING AREAS ON GRADE AREAS TO A DEPTH OF 3".
   L. SOD AREAS TO RECEIVE 2" (AVERAGE DEPTH) TOPSOIL, RANKED SMOOTH TO ESTABLISH FINISHED GRADE 2" BELOW TOP OF CURB. ENSURE EXISTING GRADES ARE RE-ESTABLISHED. BUTT SOD PIECES TOGETHER CLOSELY AND PEG IN PLACE AS NEEDED TO NOT IMPEDE MAINTENANCE OPERATIONS. ENSURE EDGES ARE TRIMMED EVENLY AND SOD IS ROLLED TO AN EVEN FINISHED GRADE AND APPEARANCE.

UNDERSTORY AND SELECTIVE CLEARING SPECIFICATIONS:

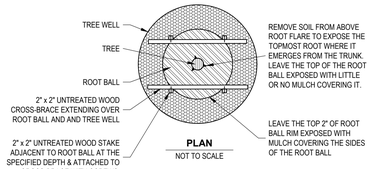
1. CONTRACTOR IS RESPONSIBLE FOR SELECTIVE CLEARING WITHIN PRESERVED TREE AREA (SEE PLAN FOR LOCATION). REMOVAL OF UNDERSTORY VEGETATION, TO INCLUDE ANY IDENTIFIED INVASIVE SPECIES, SHALL BE DIRECT BY PROJECT LANDSCAPE ARCHITECT OR ARBORIST TO ACHIEVE IMPROVED HEALTH FOR REMAINING TREES AND AESTHETICALLY PLEASING APPEARANCE.
   A. SELECTIVE CLEARING AREAS TO RECEIVE THE FOLLOWING TREATMENT UNDER SUPERVISION OF THE CERTIFIED ARBORIST.
   B. PRUNE VEGETATION TAGGED BY PROJECT LANDSCAPE ARCHITECT. ALL PRUNING ACTIVITIES TO COMPLY WITH ANSI A300 PRUNING STANDARDS AND BEST MANAGEMENT PRACTICES.
   C. APPLY HERBICIDE AS REQUIRED PER MANUFACTURER RECOMMENDATIONS TO STUMPS/STEMS TO PREVENT RE-SPROUTING AND TO PREVENT WEED ENCROACHMENT.
   D. REMOVE ALL VINES AND ALL NUISANCE/EXOTIC SPECIES PER FLORIDA EXOTIC PEST PLANT COUNCIL CATEGORY 1 AND CATEGORY 2 LISTS. DISPOSE OF REMOVED MATERIAL OFF-SITE IN A LAWFUL MANNER.
   E. REMOVE DISEASED/DYING/DEAD VEGETATION.
   F. CHIP REMOVED TREES ON SITE. RESULTING WOOD CHIPS TO BE NO LARGER THAN 2", AND RETAINED ON-SITE (TO BE SPREAD AS MULCH). COORDINATE WITH THE PROJECT LANDSCAPE ARCHITECT PRIOR TO ESTABLISHING TEMPORARY STOCKPILE LOCATION. TAKE SPECIAL CARE TO EXCLUDE NUISANCE/EXOTIC SPECIES FROM MATERIAL TO BE CHIPPED. CHIPPED MATERIAL TO BE USED AS MULCH IS ANTICIPATED TO BE A MINOR COMPONENT OF OVERALL MULCH REQUIREMENTS. SPREAD CHIPPED MATERIAL TO A DEPTH OF 2" UNTIL EXHAUSTED.

2. CORRECTIVE PRUNING
   PERFORM CORRECTIVE PRUNING, HERBICIDE APPLICATION, INSECT/DISEASE TREATMENT, ON ALL TAGGED EXISTING TREES AND PALMS TO REMAIN WITHIN THE AREAS IDENTIFIED ON THE PLANS. REMOVE SAPLINGS AND SHRUBBY VEGETATION AT BASE AND PRUNE AS NEEDED TO ENHANCE AND MAINTAIN NATURAL SHAPE AND VIGOR. PRUNING TO BE PERFORMED UNDER THE SUPERVISION OF A CERTIFIED ARBORIST WITH AT LEAST 5 YEARS OF EXPERIENCE ON SIMILAR PROJECTS.

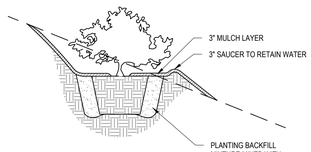
3. MULCH AS REQUIRED TO PROVIDE MULCH BEDS EXTENDING A MINIMUM OF 36" BEYOND EDGE OF FOLIAGE. COORDINATE WITH PROJECT LANDSCAPE ARCHITECT PRIOR TO PRUNING AND MULCHING.

PLANTING NOTES

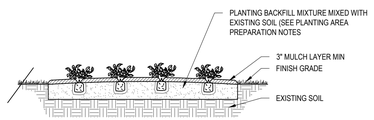
1. THE CONTRACTOR SHALL INSTALL ONLY PLANTS GRADED FLORIDA NO. 1 OR BETTER AS SET FORTH IN THE FLORIDA DEPARTMENT OF AGRICULTURE "GRADES AND STANDARDS FOR NURSERY PLANTS" LATEST EDITION, (INCLUDING REVISIONS) AND THAT MEET OR EXCEED THE SIZES INDICATED IN THE PLANTING SCHEDULE. BALLED AND BURLAPPED PLANTS SHALL BE DUG WITH FIRM NATURAL BALLS OF EARTH. CONTAINER GROWN STOCK SHALL HAVE BEEN GROWN IN A CONTAINER LONG ENOUGH FOR THE ROOT SYSTEM TO HAVE DEVELOPED SUFFICIENTLY TO HOLD ALL THE SOIL TOGETHER FIRMLY, BUT NOT LONG ENOUGH TO HAVE BECOME POT BOUND.
2. THE CONTRACTOR SHALL VERIFY ALL QUANTITIES IN THE PLANTING SCHEDULE AND INSTALL ALL PLANTS AND MATERIALS AS INDICATED ON THE PLANS. PROVIDE LUMP SUM PRICE, WHICH INCLUDES ALL OTHER INCIDENTAL MATERIALS, LABOR, ETC.
3. ALL PLANTS, MATERIALS AND WORKMANSHIP ARE SUBJECT TO THE APPROVAL OF PROJECT LANDSCAPE ARCHITECT.
4. THE CONTRACTOR SHALL NOT MAKE SUBSTITUTIONS OR REVISIONS WITHOUT OWNER APPROVAL.
5. THE CONTRACTOR SHALL MAINTAIN ALL PLANTINGS INCLUDING WATERING, MOWING, WEED, PEST CONTROL, ETC. UNTIL FINAL APPROVAL.
6. THE CONTRACTOR SHALL KEEP ALL AREAS OF WORK CLEAN, NEAT AND ORDERLY. ALL PAVED SURFACES ARE TO BE CLEANED OF SOIL AND DEBRIS AT THE CLOSE OF THE WORK DAY.
7. EACH TREE AND SHRUB SHALL BE PRUNED AS NEEDED TO REMOVE ALL DEAD WOOD, SUCKERS, OR BROKEN/DAMAGED BRANCHES. ALL PRUNING SHALL BE IN ACCORDANCE WITH ACCEPTED INDUSTRY PRACTICE AND SHALL PRESERVE THE NATURAL HABIT AND CHARACTER OF THE PLANT.
8. PLANTS WITH BROKEN ROOT BALLS OR SUBSTANTIAL DAMAGE TO ANY PART SHALL BE REPLACED PRIOR TO PLANTING.



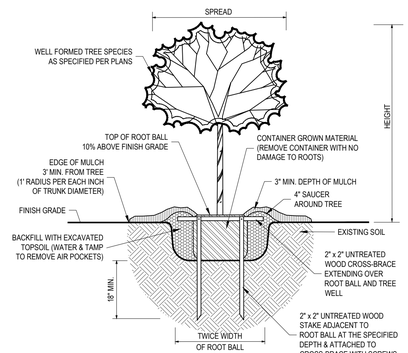
PLAN
NOT TO SCALE



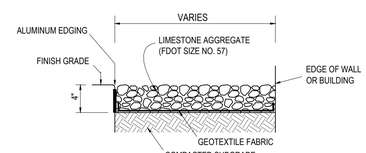
SHRUB ON SLOPE
NOT TO SCALE



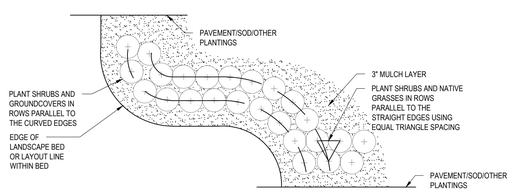
TYPICAL SHRUB/GROUNDCOVER PLANTING BED
NOT TO SCALE



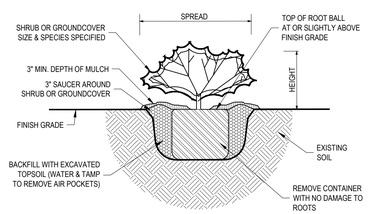
TREE PLANTING DETAIL
NOT TO SCALE



GRAVEL MULCH DETAIL
NOT TO SCALE



LAYOUT DETAIL - TYPICAL SHRUB WITH O.C. SPACING
NOT TO SCALE



SHRUB AND GROUNDCOVER DETAIL
NOT TO SCALE

TULLO PLANNING GROUP
LAND USE PLANNING
LANDSCAPE ARCHITECTURE
P.O. Box 27601
Panama City Beach, Florida 32411
Ph. 850.527.0653
Fax 850.235.3997
gtullo@tullopplanning.com
www.tullopplanning.com

PROJECT NAME
NORTH FLORIDA INNOVATIONS LABS

CLIENT NAME
INNOVATION PARK

REVISIONS

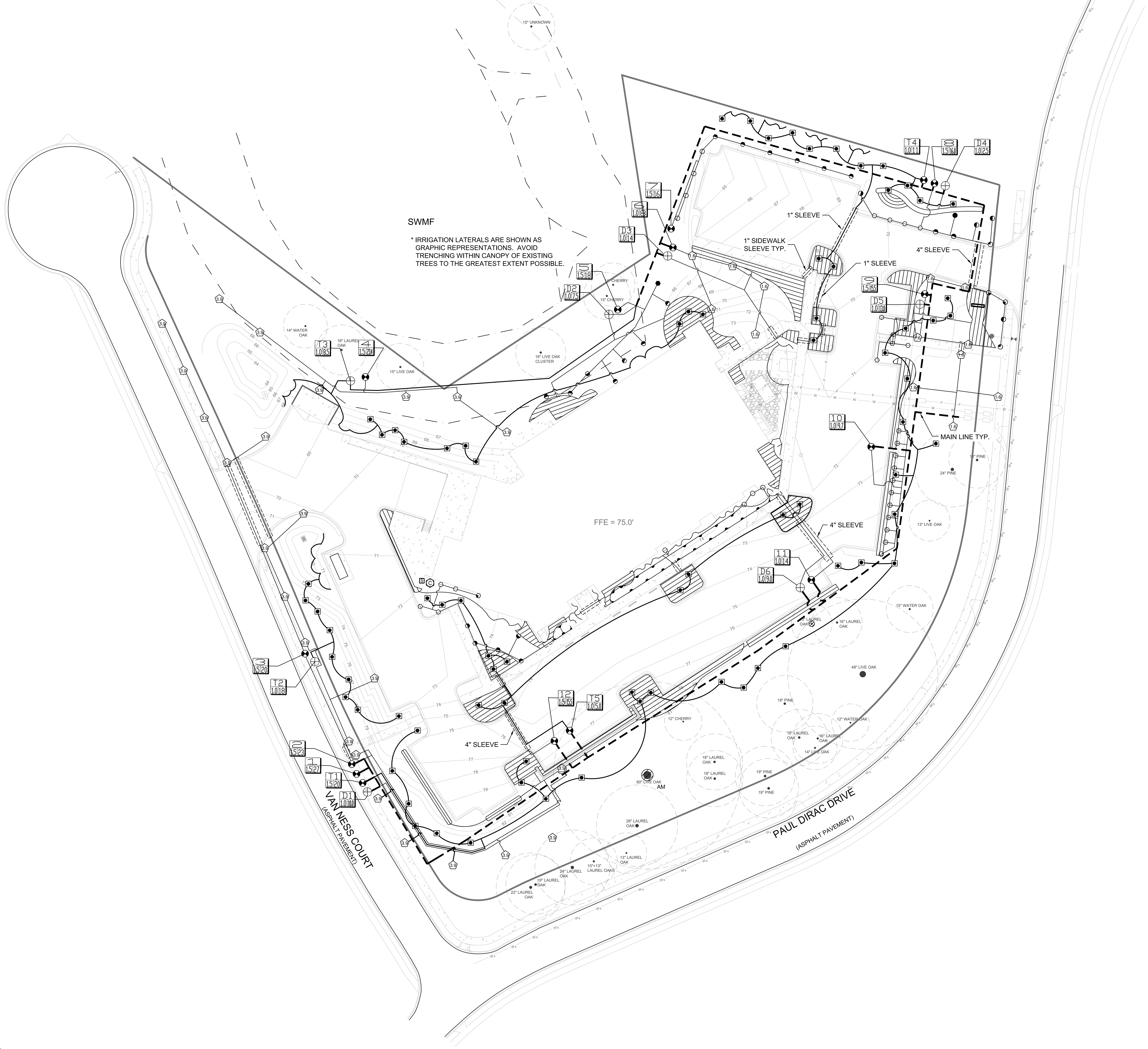
DATE 12-09-2021
CONTRACT # 103.000
DRAWN BY GMTW

SHEET TITLE
LANDSCAPE DETAIL SHEET
100% CONSTRUCTION DOCUMENTS

GINA TULLO-WILLIAMS
FL. REG. NO. LA0001546

SEAL

LS.2
SHEET



GRAPHIC SCALE

1 inch = 30 ft.

LEGEND

I.D.	DESCRIPTION	SPECIFICATION
	MAINLINE	2" SCH 40 MAINLINE
	LATERAL	Class 200 Solvent Weld
	SLEEVING	Schedule 40 PVC
	DRIP CONTROL ZONE KIT ASSEMBLY W/ DECODER - 25 PSI INSTALLED IN (12") RECTANGULAR VALVE BOX WITH LID.	
	PLD TUBING BROWN 1012100 SLEEVING	
C	HUNTER HCC-800 - ICM-2200 TWO-WIRE WALL MOUNT AUTOMATIC CONTROL TIMER WITH WEATHER STATION	
S	RAIN SENSOR	
	CONTROL VALVE ASSEMBLY W/ DECODER (SIZES AS SHOWN PER PLAN) INSTALLED IN (12") RECTANGULAR VALVE BOX WITH LID.	
#4 / 1.0 / 10.0	ZONE — PROPOSED IRRIGATION ZONE; GPM; VALVE SIZE	

NOTE: IRRIGATION SYMBOLS ARE GRAPHIC REPRESENTATIONS ONLY. ALL SYSTEM COMPONENTS MUST BE WITHIN PROPERTY R/W AND AVOID ALL VERTICAL STRUCTURES.

IRRIGATION SCHEDULE

ID	MANF	SPECIFICATION	PSI	GPM
	Hunter	PROS-04-CS-515	30	.65
	Hunter	PROS-04-SS-530	30	1.30
	Hunter	PROS-04-SS-918	30	1.72
	Hunter	BUBBLERS MSBN-10F	30	1.00
	Hunter	BUBBLERS MSBN-20F	30	2.00
	Hunter	PROS-04-6QA	30	.37
	Hunter	PROS-04-6TA	30	.44
	Hunter	PROS-04-6HA	30	.60
	Hunter	PROS-04-6FA	30	1.26
	Hunter	PROS-04/12-8QA	30	.25
	Hunter	PROS-04/12-8QA	30	.44
	Hunter	PROS-04/12-8TA	30	.59
	Hunter	PROS-04/12-8HA	30	.88
	Hunter	PROS-04/12-8TQA	30	1.32
	Hunter	PROS-04/12-8FA	30	1.76
	Hunter	PROS-04-10QA	30	.50
	Hunter	PROS-04-10TA	30	.67
	Hunter	PROS-04-10HA	30	1.00
	Hunter	PROS-04-10TQA	30	1.50
	Hunter	PROS-04-10FA	30	2.00
	Hunter	PROS-04-12QA	30	.63
	Hunter	PROS-04-12TA	30	.84
	Hunter	PROS-04-12HA	30	1.26
	Hunter	PROS-04-12FA	30	2.52
	Hunter	PROS-04-15QA	30	.93
	Hunter	PROS-04-15HA	30	1.24
	Hunter	PROS-04-15TA	30	1.86
	Hunter	PROS-04-15FA	30	3.72
1.6	Hunter	PGP-ADJ-B-2.0		
		4LA GRAY (24' R)	40	1.7
		5LA GRAY (27' R)	40	1.9
3.9	Hunter	PGP ULTRA		
		4.5LA GRAY (32' R)	40	3.9

PIPE SIZE TABLE

IRRIGATION ZONE DEMAND GALLONS PER MINUTE (GPM)	MINIMUM PIPE SIZE
0 – 6	3/4"
7 – 11	1"
12 – 19	1 1/4"
20 – 26	1 1/2"
27 – 42	2"
43 – 60	2 1/2"
61 – 90	3"

REFER TO EACH IRRIGATION ZONE ON PLAN DRAWINGS FOR ZONE GPM

TULLO PLANNING GROUP
LAND USE PLANNING
LANDSCAPE ARCHITECTURE
P.O. Box 27601
Panama City Beach, Florida 32411
Ph. 850.527.0653
Fax 850.235.3997
gtullo@tulloplanning.com
www.tulloplanning.com

PROJECT NAME
NORTH FLORIDA INNOVATIONS LABS

CLIENT NAME
INNOVATION PARK

REVISIONS

DATE 12-09-2021
CONTRACT # 103.000
DRAWN BY GMTW

SHEET TITLE
IRRIGATION PLAN
100% CONSTRUCTION DOCUMENTS

GINA TULLO-WILLIAMS
FL. REG. NO. LA0001546

SEAL

IR.1
SHEET

IRRIGATION SPECIFICATIONS:

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE EXISTING IRRIGATION SYSTEM COMPONENTS (PRIOR LAND USE) INCLUDING BUT NOT LIMITED TO: MAINLINE PIPE, LATERAL PIPE, ROTOR HEADS, SPRAY HEADS, EMITTER TUBING, VALVES, CONTROLLERS, WIRE, ETC. REPAIR DAMAGE TO EXISTING SOD AND LANDSCAPE DESIGNATED TO REMAIN TO MATCH EXISTING.

2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE AND OBTAIN POWER FOR IRRIGATION. LOCATE IRRIGATION CONTROLLER WITHIN 25 FT OF EXISTING POWER POLES. COSTS FOR OBTAINING POWER SERVICE IS TO BE INCLUDED IN THE LUMP SUM PRICE OF THE PROJECT.

3. POP-UP ROTOR HEADS SHALL BE INSTALLED IN AREAS WHERE THE LONG RADIUS COVERAGE INTENDED WILL NOT BE BLOCKED BY PLANT MATERIAL OR OTHER STRUCTURES (EX: SIGNS, FIRE HYDRANTS, WALLS, ETC.)

4. CHANGES IN HEAD PLACEMENT OR DRIP SUBSTITUTION SHOULD ALWAYS BE DONE TAKING INTO CONSIDERATION:
   A. WHAT IS BEST FOR THE GROWTH AND MAINTENANCE OF THE SOD AND PLANT MATERIAL.
   B. MAINTAINING A CONSTANT AND EVEN DISTRIBUTION AND PRECIPITATION RATE. (NEVER INSTALL ROTORS, SPRAYS OR BUBBLERS ON THE SAME ZONE).
   C. THE SPACING BETWEEN HEADS SHALL NOT EXCEED 50% OF THE DIAMETER FOR HEADS SPACED ON A SQUARE PATTERN OR 60% OF THE DIAMETER FOR HEADS SPACED ON A TRIANGULAR PATTERN.

5. POP-UP SPRINKLER HEADS SHALL BE INSTALLED:
   A. 3" TO 6" FROM EDGE OF CURB OR SIDEWALK.
   B. 12" TO 18" FROM EDGE OF PAVEMENT (WHERE NO CURB EXISTS)
   C. FLUSH WITH FINISH GRADE.

6. THE CONTRACTOR SHALL STAKE OUT THE LOCATION OF EACH RUN OF PIPE, SPRINKLER HEADS, SPRINKLER VALVES PRIOR TO TRENCHING. TRENCHES FOR PIPE SHALL BE CUT TO REQUIRED GRADE LINES, AND COMPACTED TO PROVIDE ACCURATE GRADE AND UNIFORM BEARING FOR THE FULL LENGTH OF THE LINE. THE BOTTOM OF TRENCHES SHALL BE FREE OF ROCK OR OTHER SHARP EDGED OBJECTS. MINIMUM COVER SHALL BE AS FOLLOWS: PRESSURE MAINLINE 24" AT TOP OF PIPE TO FINISH GRADE. LATERAL PIPING 12" AT TOP OF PIPE FROM FINISH GRADE.

7. INITIAL BACKFILL ON PVC LINE SHALL BE PULVERIZED NATIVE SOIL, FREE OF FOREIGN MATTER. WITHIN RADIUS OF 4" OF THE PIPE SHALL BE CLEAN SOIL OR SAND. PLANT LOCATIONS SHALL TAKE PRECEDENCE OVER SPRINKLER AND PIPE LOCATIONS. THE CONTRACTOR SHALL COORDINATE THE PLACING OF SPECIMEN TREES AND SHRUBS WITH THE ROUTING OF LINES AND FINAL HEAD LOCATIONS.

8. THE IRRIGATION AND LANDSCAPE CONTRACTORS SHALL COORDINATE THE PLACEMENT OF THE SPRINKLER EQUIPMENT AND LANDSCAPE MATERIAL WITHIN THE PLANTED AREAS. THE IRRIGATION CONTRACTOR SHALL INSTALL HIS MATERIAL AT THE EDGE OF THE PLANTED AREAS AVOIDING PLANTS, ROOTBALLS, LIGHTS, FENCES, ETC.

9. BEFORE SPRINKLER HEADS ARE SET, THE CONTRACTOR SHALL FLUSH THE LINES THOROUGHLY TO MAKE SURE THERE IS NO FOREIGN MATTER IN THE LINES. THE CONTRACTOR SHALL FLUSH THE MAINLINES FROM DEAD END FITTINGS FOR A MINIMUM OF FIVE MINUTES UNDER A FULL HEAD OF PRESSURE.

10. TRENCHES MUST BE PROTECTED FROM VEHICLE AND PEDESTRIAN TRAFFIC AT ALL TIMES. IT WILL BE THE IRRIGATION CONTRACTORS RESPONSIBILITY TO BARRICADE AND DIVERT TRAFFIC. NO OPEN TRENCHES PERMITTED OVERNIGHT. TRENCHES MUST BE COVERED/FILLED AT END OF EACH WORK DAY.

11. SLEEVING BENEATH SIDEWALKS SHALL BE PROVIDED BY THE IRRIGATION CONTRACTOR. SIZE SLEEVING TWO TIMES LARGER THAN THE PIPE TO BE PLACED INSIDE THE SLEEVE OR AS SHOWN IN PLANS, WHICHEVER IS GREATER. SLEEVING MATERIAL TO BE SCHEDULE 40 PVC. NO SLEEVING SHALL BE SMALLER THAN (2") SCHEDULE 40 PVC. SLEEVE ALL WIRE CROSSINGS EITHER IN CONDUIT (AS SPECIFIED) OR IN SCHEDULE 40 PVC PIPE (IF CONTROL WIRE IS DIRECT BURIAL).

12. LATERAL PIPE TO BE SIZED AS NOT TO EXCEED 5 FEET PER SECOND BASED ON STANDARD CLASS 200 AND SCH 40 PVC CHARACTERISTICS. SEE CHART BELOW. SIZE LATERALS PER THE FOLLOWING LATERAL PIPE SIZING CHART BASED ON WATER VELOCITY NOT TO EXCEED FIVE FEET PER SECOND:

3/4":	0-9 GPM
1":	10-15 GPM
1 1/4":	16-24 GPM
1 1/2":	25-30 GPM
2":	31-50 GPM
2 1/2":	51-75 GPM
3":	86-120 GPM

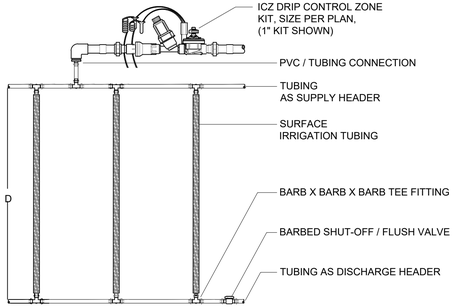
13. ALL TRENCHES WITHIN 15' OF EXISTING TREES TO BE HAND EXCAVATED TO AVOID CONFLICTS WITH TREES.

14. NO ROOTS SHALL BE CUT WITHIN (15') RADIUS OF ALL EXISTING TREES. IRRIGATION PIPES AND CONDUIT SHOULD BE DIRECTIONAL BORED WITHIN THIS (15') AREA.

15. THE CONSTRUCTION OF THE IRRIGATION SYSTEM REQUIRES THAT THE INSTALLER BECOME FAMILIAR NOT ONLY WITH THE NEW IRRIGATION TO BE ADDED, BUT ALSO WITH ALL EXISTING CONDITIONS.

IRRIGATION NOTES AND SPECIFICATIONS

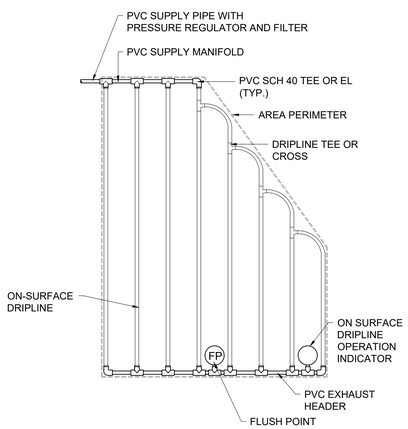
1. SUFFICIENT EARTH GROUNDING FOR DECODER SYSTEM SHALL BE INSTALLED PURSUANT TO MANUFACTURER INSTRUCTIONS. ALL GROUNDING SHALL BE SHOWN ON IRRIGATION AS-BUILT DRAWINGS PROVIDED BY THE CONTRACTOR PRIOR TO FINAL ACCEPTANCE OF PROJECT.
2. ALL SECONDARY (CIRCUIT) IRRIGATION LINES 1 INCH DIAMETER TO 3 INCH DIAMETER SHALL BE CLASS 160 PVC. CIRCUIT WATER LINES 1/2 INCH TO 3/4 INCH DIAMETER SHALL BE CLASS 315 PVC. SECONDARY IRRIGATION LINES SHALL BE INSTALLED WITHIN THE LANDSCAPED AREA AT A MINIMUM DEPTH OF 12 INCHES. POP-UP SPRINKLER HEADS MUST BE UTILIZED WITHIN ANY MOWABLE AREA. HOWEVER, IN NO CASE MAY SPRINKLER HEADS NOR SECONDARY LINES BE INSTALLED WITHIN 1 FOOT OF THE BACK OF ROADWAY CURB OR ON THE FRONT SLOPE AND DITCH BOTTOM OF SWALE SECTIONS.
3. THE IRRIGATION CONTRACTOR SHALL REVIEW THE PLANTING PLANS TO DETERMINE THE PROPOSED PLANT MATERIALS FOR EACH HEAD LOCATION PRIOR TO BIDDING.
4. THE IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR MODIFYING HEAD INSTALLATION TYPES, DEPENDING ON THE FINAL LOCATIONS OF ALL PLANT MATERIAL.
5. ALL SPRINKLER HEADS ARE TO BE INSTALLED WITH A 18 INCH MINIMUM LENGTH OF FLEXIBLE PVC PIPE, USING STANDARD PVC FITTINGS.
6. ALL HEADS SHALL BE ADJUSTED TO REDUCE WATER WASTE ON HARD SURFACES AND WALLS.
7. THE IRRIGATION CONTRACTOR SHALL EXERCISE CARE SO AS NOT TO DAMAGE EXISTING UTILITIES. THE IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE LOCATION OF ALL UNDERGROUND UTILITIES. THE IRRIGATION CONTRACTOR SHALL REPAIR OR REPLACE ALL ITEMS DAMAGED AS A RESULT OF HIS OR HER WORK.
8. ALL LOW VOLTAGE DIRECT BURIED WIRING SHALL BE UL APPROVED, TYPE UF AND A MINIMUM SIZE OF #14 AWG. THE COMMON WIRE SHALL BE WHITE AND ALL WIRING SHALL BE THE SAME COLOR FROM CONTROLLER VALVE. ONE SPARE WIRE SHALL BE RUN ALONG ENTIRE LENGTH OF THE MAINLINE THEN TERMINATE AT THE CONTROLLER. ALL SPLICES SHALL BE IN A VALVE OR SPLICE BOX. PROVIDE 48 INCH EXPANSION COILS AT ALL VALVES. ALL SPLICES SHALL BE MADE WITH 3M-DB4.
9. ALL IRRIGATION LINES CROSSING BENEATH ROADWAYS SHALL BE ENCASED IN SCHEDULE 40 PVC, AS SHOWN ON THE PLANS. SLEEVES SHALL BE A MINIMUM OF 24 INCHES BELOW EDGE OF PAVEMENT SURFACE, 36 INCHES DEPTH WITHIN THE RIGHT-OF-WAY, AND INSTALLED 90 DEGREES TO ROADWAY CENTERLINE. SUBSEQUENT INSTALLATIONS SHALL BE JACK AND BORE. CONTRACTOR SHALL AT ALL TIMES BLOCK ENDS OF SLEEVES TO PREVENT BUILDUP OF SEDIMENT WITHIN SLEEVES.
10. ALL PIPING UNDER CONSTANT PRESSURE SHALL BE TESTED UNDER HYDROSTATIC PRESSURE OF NOT LESS THAN 100 P.S.I. FOR ONE HOUR WITH NO MORE THAN 5 PSI LOSS.
11. IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE INSTALLATION AND ELECTRICAL CONNECTION TO THE IRRIGATION CONTROLLERS.
12. THE RAIN SENSOR SHALL BE LOCATED IN AN AREA WHERE NO OVERHEAD OBSTRUCTIONS THAT WILL ALTER RAIN FALL OR PRODUCE DEBRIS THAT MAY INVALIDATE RAINFALL READINGS.
13. THIS PLAN IS DIAGRAMMATIC. ALL PIPING OR VALVES SHOWN OUTSIDE LANDSCAPE AREAS ARE SHOWN THERE FOR CLARITY. ALL LINES AND VALVES SHALL BE INSTALLED ON THE PROPERTY AND INSIDE THE LANDSCAPE AREAS.
14. REFER TO LANDSCAPE DRAWINGS WHEN TRENCHING TO AVOID EXISTING AND PROPOSED TREES AND SHRUBS. HAND DIGGING SHALL BE USED BENEATH CANOPIES OF TREES TO AVOID DAMAGING ROOTS. THE IRRIGATION CONTRACTOR SHALL VERIFY THAT THE QUANTITIES INDICATED WILL PROVIDE THE COVERAGE AS SPECIFIED AND REPORT ANY DISCREPANCIES AT TIME OF BIDDING TO THE LANDSCAPE ARCHITECT.



NOTE: SEE CATALOG FOR ALLOWABLE LENGTH OF TUBING RUN (D).

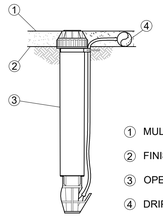
DRIP TUBING LAYOUT

NTS



SURFACE DRIP - PLAN

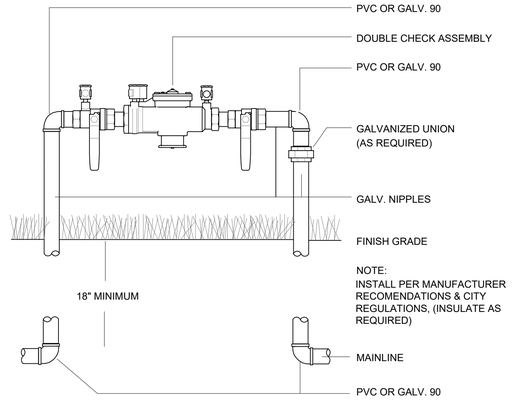
NTS



NOTE:
1. INSERT BARB TRANSFER FITTING DIRECTLY INTO DRIPLINE TUBING.
2. NOZZLE TO BE SET TO CLOSED.
3. TO BE INSTALLED ON ALL DRIP ZONES AT FURTHEST POINT FROM VALVE.

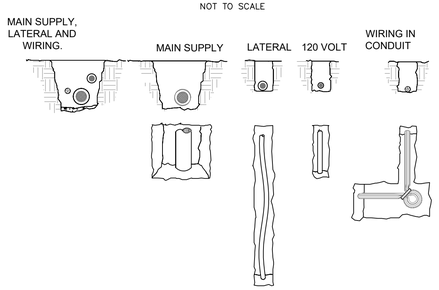
ON-SURFACE DRIPLINE OPERATION INDICATOR

NTS



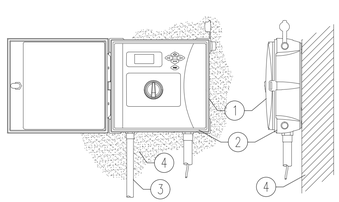
DOUBLE CHECK ASSEMBLY

NOT TO SCALE



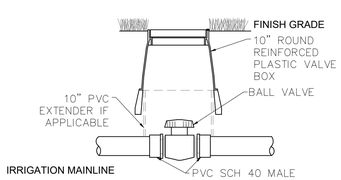
TRENCH DETAIL

NOT TO SCALE



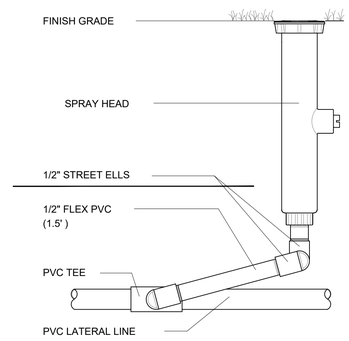
EXTERIOR WALL MOUNT CONTROLLER

NOT TO SCALE



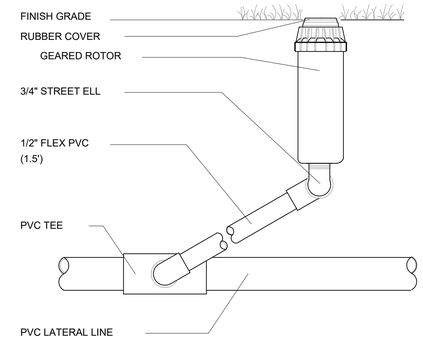
ISOLATION BALL VALVE

NOT TO SCALE



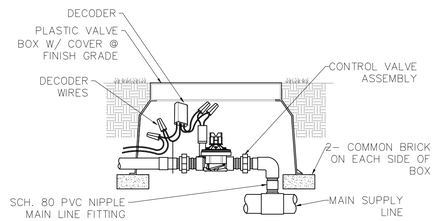
SPRAY HEAD

NOT TO SCALE



GEAR DRIVE ROTOR

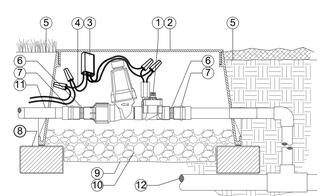
NOT TO SCALE



VALVE W/ DECODER IN VALVE BOX

NOT TO SCALE

1. CONTROL VALVE WITH FILTER REGULATOR
2. IRRIGATION VALVE BOX
3. DECODER
4. DECODER WIRES
5. FINISH GRADE AT ADJACENT SURFACE (TURF OR MULCH)
6. SCH. 80 CLOSE NIPPLE, MATCH SIZE TO VALVE
7. PVC SLIP FPT ADAPTOR
8. BRICK SUPPORTS (4)
9. FILTER FABRIC - WRAP TWICE AROUND BRICK SUPPORTS
10. 3/4" WASHED GRAVEL - 4" MIN. DEPTH
11. IRRIGATION LATERAL
12. MAINLINE LATERAL AND FITTINGS



DRIP CONTROL ZONE KIT

NOT TO SCALE

TULLO PLANNING GROUP
LAND USE PLANNING
LANDSCAPE ARCHITECTURE
P.O. Box 27601
Panama City Beach, Florida 32411
Ph. 850.527.0653
Fax 850.235.3997
gtullo@tulloplanning.com
www.tulloplanning.com

PROJECT NAME
NORTH FLORIDA INNOVATIONS LABS

CLIENT NAME
INNOVATION PARK

REVISIONS

DATE 12-09-2021
CONTRACT # 103.000
DRAWN BY GM/TW

SHEET TITLE
IRRIGATION DETAIL SHEET
100% CONSTRUCTION DOCUMENTS

GINA TULLO-WILLIAMS
FL. REG. NO. LA0001546

SEAL

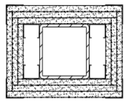
IR.2
SHEET

COLUMNS, NONCOMBUSTIBLE

GA FILE NO. CM 2452	GENERIC	2 HOUR FIRE

GYPSUM WALLBOARD, STEEL STUDS

Base layer 1/2" type X gypsum wallboard applied without horizontal joints to 1 5/8" steel studs located at each corner of TS4x4x0.188 tube steel column with 1" Type S drywall screws 24" o.c. **Second** layer 1/2" type X gypsum board applied without horizontal joints with 1 3/4" Type S drywall screws 12" o.c. and wire tied with 18 ga. wire 24" o.c. **Face** layer 5/8" type X gypsum wallboard applied without horizontal joints to studs with 2 1/4" Type S drywall screws 12" o.c. Metal cornerbead applied to all corners with 1" Type S drywall screws 12" o.c. in each flange. Joint compound 1/16" thick applied over corner bead.



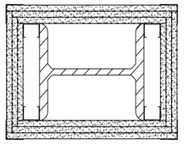
Fire Test: UL NC505, 77NK1747; 6-13-77, UL Design X528

COLUMNS, NONCOMBUSTIBLE

GA FILE NO. CM 2602	GENERIC	2 HOUR FIRE

GYPSUM WALLBOARD, STEEL STUDS

Base layer 1/2" type X gypsum wallboard applied without horizontal joints to 1 5/8" steel studs located at each corner of W6x15.5 column with 1" Type S drywall screws 24" o.c. **Second** layer 1/2" type X gypsum board applied without horizontal joints with 1 3/4" Type S drywall screws 12" o.c. and wire tied with 18 ga. wire 24" o.c. **Face** layer 1/2" type X gypsum wallboard applied without horizontal joints to studs with 2 1/4" Type S drywall screws 12" o.c. Metal cornerbead applied to all corners with 1" Type S drywall screws 12" o.c. in each flange. Joint compound 1/16" thick applied over corner bead.

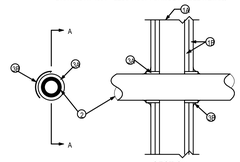


Fire Test: UL NC505, 77NK1747; 6-13-77, UL Design X528

SYSTEM NO. W-L-2003

(FORMERLY KNOWN AS SYSTEM NO. 148)

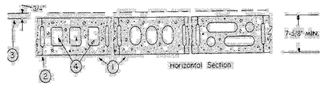
F RATINGS - 1 AND 2 HR (SEE ITEM 3)
T RATINGS - 1 AND 2 HR (SEE ITEM 3)
L RATING AT AMBIENT - 7 CFM/SQ FT (SEE ITEM 3B)
L RATING AT 400 F - LESS THAN 1 CFM/SQ FT (SEE ITEM 3B)



SECTION A - A

1. WALL ASSEMBLY - THE 1 OR 2 HR FIRE-RATED GYPSUM WALL BOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL U300 OR U400 SERIES WALL OR PARTITION DESIGN IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
   A. STUDS - WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUD TO CONSIST OF NOM 2 X 4 IN LUMBER SPACED 16 IN. O.C. WITH NOM 2 X 4 IN. LUMBER END PLATES AND CROSS BRACES. STEEL STUDS TO BE MIN. 3-5/8 IN. WIDE BY 1-3/8 IN. DEEP CHANNELS SPACED MAX 24 IN. O.C.
   B. WALLBOARD GYPSUM - 5/8 IN. THINK, FT WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM WALL BOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE IDIVIDUAL U300 OR U400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIAM OF OPENING IS 3-1/8 IN.
2. THROUGH PENETRANTS - ONE NON METALLIC PIPE OR CONDUIT TO BE CENTERED IN THE THROUGH OPENING. ANNULAR SPACE BETWEEN PIPE AND CONDUIT AND PERIPHERY OF OPENING SHALL BE MIN. 1/4 IN. AND MAX 3/8 IN. PIPE OR CONDUIT TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF THE FLOOR-CEILING ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF NON METALLIC PIPES MAY BE USED:
   A. POLYVINYL CHLORIDE (PVC) PIPE - NOM. 2 IN. DIAMETER (OR SMALLER) SCHEDULE 40 SOLID CORE PVC PIPE FOR USE IN CLOSED (PROCESS OR SUPPLY) OR VENTED (DRAIN, WASTE OR VENT) PIPING SYSTEM.
   B. RIGID NON-METALLIC CONDUIT - NOM 4 IN. DIAMETER (OR SMALLER) (SCHEDULE 40 OR 80 PVC CONDUIT INSTALLED IN ACCORDANCE WITH ARTICLE 347 OF THE NATIONAL ELECTRIC CODE (NFPA NO. 70)
   C. CHLORINATED POLYVINYL CHLORIDE (CPVC) PIPE - NOM. 2 IN. DIAMETER (OR SMALLER) SDR17 CPVC PIPE FOR USE IN CLOSED (PROCESS OR SUPPLY) OR VENTED (DRAIN, WASTE, OR VENT) PIPING SYSTEMS.
   D. CELLULAR CORE POLYVINYL CHLORIDE (ccPVC) PIPE - NOM 2 IN. DIAMETER (OR SMALLER) SCHEDULE 40 CELLULAR CORE PVC PIPE FOR USE IN CLOSED (PROCESS OR SUPPLY) OR VENTED (DRAIN, WASTE, OR VENT) PIPING SYSTEMS.
   E. ACRYLONITRILE BUTADIENE STYRENE (ABS) PIPE - NOM. 2 IN. DIAMETER (OR SMALLER) SCHEDULE 40 SOLID CORE ABS PIPE FOR USE IN CLOSED (PROCESS OR SUPPLY) OR VENTED (DRAIN, WASTE OR VENT) PIPING SYSTEMS.
   F. CELLULAR CORE ACRYLONITRILE BUTADIENE STYRENE (ccABS) PIPE - NOM. 2 IN. DIAMETER (OR SMALLER) SCHEDULE 40 SOLID CORE ABS PIPE FOR USE IN CLOSED (PROCESS OR SUPPLY) OR VENTED (DRAIN, WASTE OR VENT) PIPING SYSTEMS.
3. FIRE STOP SYSTEM - INSTALLED SYMMETRICALLY ON BOTH SIDES OF WALL ASSEMBLY. THE HOURLY F AND T RATINGS FOR THE FIRE STOP SYSTEM ARE EQUAL TO THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED. THE DETAILS OF THE FIRE STOP SYSTEM SHALL BE AS FOLLOWS:
   A. FILL, VOID, AND CAVITY MATERIALS - WRAP STRIP - NOM 1/4 IN. THICK INTUMESCENT ELASTOMERIC MATERIAL FACED ON ONE SIDE WITH ALUMINUM FOIL, SUPPLIED IN 2 IN. WIDE STRIPS. NOM. 2 IN. WIDE STRIP TIGHTLY WRAPPED AROUND NONMETALLIC PIPE (FOIL SIDE OUT) WITH SEAM BUTTED. WRAP STRIP LAYER SECURELY BOUND WITH STEEL WIRE OR ALUMINUM FOIL TAPE AND SLID INTO ANNULAR SPACE APPROX. 1-1/4 IN. SUCH THAT APPROX. 3/4 IN. OF THE WRAP STRIP PROTRUDES FROM THE WALL SURFACE.
      MINNESOTA MINING & MFG, CO. - FS-195+
   B. FILL, VOID, AND CAVITY MATERIALS - CAULK OR PUTTY - MIN. 5/8 IN. THICKNESS OF CAULK OR PUTTY APPLIED INTO ANNULAR SPACE BETWEEN WRAP STRIP AND PERIPHERY OF OPENING. A NOM 1/4 IN. DIAMETER BEAD OF CAULK OR PUTTY TO BE APPLIED TO WRAP STRIP/WALL INTERFACE AND TO THE EXPOSED EDGE OF THE WRAP STRIP LAYERS APPROX. 3/4 IN. FROM THE WALL SURFACE.
      MINNESOTA MINING & MFG, CO. - CP 25WB+ CAULK OR MPS-2+ PUTTY.
      (NOTE: L RATINGS APPLY ONLY WHEN TYPE CP-25 WB+ CAULK IS USED.
   C. FOIL TYPE - (NOT SHOWN) - NOM. 4 IN. WIDE. 3 MIL THICK ALUMINUM TAPE WRAPPED AROUND PIPE PRIOR TO THE INSTALLATION OF THE WRAP STRIP (ITEM 3A). MIN. ONE WRAP, FLUSH WITH NOTH SIDESOF WALL AND PROCEEDING OUTWARD. TAPE IS NOT REQUIRED FOR PIPES SHOWN IN ITEMS 2A, 2B, 3C.

Bearing Wall Rating - 2HR. UL DESIGN NO. U905.
Non Bearing Wall Rating - 2HR. UL DESIGN NO. U905

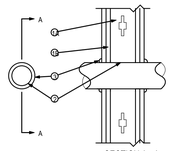


1. **Concrete Blocks*** — Various designs. Classification D-2 (2 hr).
See **Concrete Blocks** category for list of eligible manufacturers.
2. **Mortar** — Blocks laid in full bed of mortar, nom. 3/8 in. thick, of not less than 2-1/4 and not more than 3-1/2 parts of clean sharp sand to 1 part Portland cement (proportioned by volume) and not more than 50 percent hydrated lime (by cement volume). Vertical joints staggered.
3. **Portland Cement Stucco or Gypsum Plaster** — Add 1/2 hr to classification if used. Where combustible members are framed in wall, plaster or stucco must be applied on the face opposite framing to achieve a max. Classification of 1-1/2 hr. Attached to concrete blocks (Item 1).
4. **Loose Masonry Fill** — If all core spaces are filled with loose dry expanded slag, expanded clay or shale (Rotary Kiln Process), water repellant vermiculite masonry fill insulation, or silicone treated perlite loose fill insulation add 2 hr to classification.
5. **Foamed Plastic*** — (Optional-Not Shown) — 1-1/2 in. thick max, 4 ft wide sheathing attached to concrete blocks (Item 1).
THE DOW CHEMICAL CO — Type Thermax

*Bearing the UL Classification Mark

SYSTEM NO. W-L-1166

F RATINGS - 1 AND 2 HR (SEE ITEM 1B)
T RATINGS - 0HR

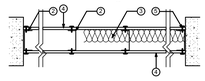


SECTION A - A

1. WALL ASSEMBLY - THE 1 OR 2 HR FIRE-RATED GYPSUM WALL BOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE SPECIFIED U300 OR U400 SERIES WALL AND PARTITION DESIGN IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
   A. STUDS - WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUD TO CONSIST OF NOM 2 X 4 IN LUMBER SPACED 16 IN. O.C. STEEL STUDS TO BE MIN. 3-1/2 IN. WIDE AND SPACED MAX 24 IN. O.C.
   B. WALLBOARD GYPSUM - THICKNESS, TYPE, NUMBER OF LAYERS, AND FASTENERS TYPE AS SPECIFIED IN THE INDIVIDUAL WALL AND PARTITION DESIGN. MAX DIAM OF OPENING IS 5 IN.

   THE HOURLY F RATING OF THE FIRE STOP SYSTEM IS EQUAL TO THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT WAS INSTALLED
2. THROUGH PENETRANTS - ONE METALLIC PIPE, CONDUIT OR TUBING INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRE STOP SYSTEM. THE ANNULAR SPACE BETWEEN PIPE, CONDUIT OR TUBING AND PERIPHERY OF OPENING SHALL BE MIN. 0 IN. (POINT CONTACT) TO MAX 1/8 IN. PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS, OR TUBING MAY BE USED:
   A. COPPER TUBING - NOM 4 IN. DIAM (OR SMALLER) TYPE M (OR HEAVIER) COPPER TUBING.
   B. COPPER PIPE - NOM 4 IN. DIAM. (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE
   C. STEEL PIPE - NOM. 4 IN. DIAM. (OR SMALLER) SCHEDULE 5 (OR HEAVIER) STEEL PIPE)
   D. CONDUIT - NOM 4 IN. DIAM. (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING OR RIGID STEEL CONDUIT
   E. IRON PIPE - NOM. 4 IN. DIAM (OR SMALLER) CAST OR DUCTILE IRON PIPE.
3. FILL, VOID, AND CAVITY MATERIALS - CAULK OR PUTTY - MIN. 1/2 IN. DIAMETER BEAD OF CAULK OR PUTTY APPLIED CONTINUOUSLY AROUND THE PENETRANT ON THE WALL SURFACES ON BOTH SIDES OF THE WALL.
   MINNESOTA MINING & MFG, CO. - CP 25WB+ CAULK OR MPS-2+ PUTTY.

Nonbearing Wall Rating - 1HR. UL DESIGN NO. U465.



1. Floor and Ceiling Runners - (Not Shown) - Channel shaped runners, 3-5/8 in. wide (min), 1-1/4 in. legs, formed from min No. 25 MSG (min No. 20 MSG when Item 4C is used) galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

2. Steel Studs - Channel shaped, 3-5/8 in. wide (min), 1-1/4 in. legs, 3/8 in. folded back returns, formed from min No. 25 MSG (min No. 20 MSG when Item 4C is used) galv steel spaced 24 in. OC max.

3. Batts and Blankets* - (Optional) - Mineral wool or glass fiber batts partially or completely filling stud cavity.
See Batts and Blankets (BZJZ) category for names of Classfied companies.

4. Gypsum Board* - 5/8 in. thick, 4ft wide, attached to steel studs and floor and ceiling track with 1 in. long, Type S steel screws spaced 8 in. OC. along edges of board and 12 in. OC in the field of the board. Joints oriented vertically and staggered on opposite sides of the assembly. When attached to item 6 (furring channels), wallboard is screw attached to furring channels with 1 in. long, Type S steel screws spaced 12 in. OC.

AMERICAN GYPSUM CO - Type AG-C.
BEIJING NEW BUILDING MATERIALS CO LTD - Type DBX-1.
BPB AMERICA INC
BPB CELOTEX - Type 1.
CANADIAN GYPSUM COMPANY - Type AR, C, IP-AR, IP-X2, IPC-AR, SCX, SHX, WRC or WRX.
CONTINENTAL GYPSUM COMPANY - Types CG-C, CGS-5, CGS-6, CG9-0, CGTC-C
G-P GYPSUM CORP, SUB OF GEORGIA-PACIFIC CORP - Types 5, 9, C, DGG, DS, GPFS6.
JAMES HARDIE GYPSUM INC - Types Max "C", Fire X.
LAFARGE GYPSUM, DIV OF LAFARGE CORP - Types LGFC2, LGFC2A, LGFC8, LGFC6A, LGFC-C, LGFC -C/A.
NATIONAL GYPSUM CO - Types FSK-C, FSK-G, FSW-C, FSW-G, FSW.
PABCO GYPSUM, DIV OF PACIFIC COAST BUILDING PRODUCTS INC - Type PG-C.
REPUBLIC GYPSUM CO - Type RG-C.
SIAM GYPSUM INDUSTRY CO LTD - Type EX-1.
STANDARD GYPSUM LLC - Type SG-C.
TEMPLE-INLAND FOREST PRODUCTS CORP - Types TG-C.
UNITED STATES GYPSUM CO - Type AR, C, FRX-G, IP-AR, IP-X2, IPC-AR, SCX, SHX, WRC or WRX.
YESO PANAMERICANO S A DE C V - Type AR, C, IP-AR, IP-X2, IPC-AR, SCX, SHX, WRC or WRX.
WESTROC INC - Type Westroc Fireboard.

4A. Gypsum Board* - (As an alternate to Item 4) - Nom 3/4 in. thick, 4 ft wide, installed as described in Item 4 with screw length increased to 1-1/4 in.

CANADIAN GYPSUM COMPANY - Types AR, IP-AR.
UNITED STATES GYPSUM CO - Types AR, IP-AR.
YESO PANAMERICANO S A DE C V - Types AR, IP-AR.

4C. Gypsum Board* - (As an alternate to Item 4, 4A and 4B) - 5/8 in. thick gypsum panels, installed as described in Item 4 with Type S-12 steel screws. The length and spacing of the screws as specified under Item 4.

CANADIAN GYPSUM COMPANY - Type FRX.
UNITED STATES GYPSUM CO - TypeFRX.

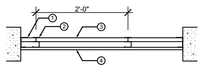
5. Joint Tape and Compound - Vinyl, dry or premixed joint compound, applied in two coats to joints and screw heads; paper tape, 2 in. wide, embedded in first layer of compound over all joints. As an alternate, nominal 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard. Joints reinforced.

6. Furring channel - (Optional-Not Shown) - Resilient 25 MSG galv steel furring channels spaced vertically max 24 in. OC, flange portion attached to each intersecting stud with 1/2 in. long type S-12 panhead steel screws. Not for use with Type FRX gypsum panels.

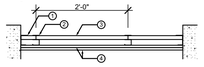
*Bearing the UL Classification Mark.

Nonbearing Wall Rating - 1 or 2 HR. UL DESIGN NO. U415.

System A 1HR



System B 2HR



1. Floor, Side and Ceiling Runners - "J" shaped runner, min. 2-1/2 in. deep, with unequal legs of 1in. and 2 in., fabricated from min. 24 MSG galv. steel. 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. "E" shaped studs (Item 2A) may be used as side runners in place of "J" - shaped runners.

2. Steel Studs - "C-H" shaped studs, min. 2-1/2 in. deep, fabricated from min. 25 MSG galv. steel. Cut to lengths 3/8 to 1/2 in. less than floor-to-ceiling height and spaced 24 in. OC.

2A. (Not Shown) - "E" shaped studs installed back to back in place of "C-H" shaped studs. "E" shaped studs secured together with steel screws spaced a maximum 12 in. OC. Fabricated from min 25 MSG galv steel; min 2-1/2 in. deep with one leg 1 in. long and two legs 3/4 in. long. Shorter legs 1 in. apart to engage gypsum liner panels.Cut to lengths 3/8 to 1/2 in. less than floor-to-ceiling heights.

2B. Furring Channels - (Optional - Not Shown) - For use with single or double layer systems. Resilient furring channels fabricated from min. 25MSG corrosion protected steel, installed horizontally, and spaced vertically a maximum 24 in. OC. Flange portion of channel attached to each intersecting "C-H" or "E" stud on side of stud opposite the 1 in. liner panels with 1/2 in. long Type S or S-12 pan-head steel screws. When furring channels are used, wallboard to be installed vertically only. Not to be used with Type FRX or FRX-G gypsum wallboard or cementitious backer units.

3. Gypsum Board - Gypsum liner panels, nom. 1 in. thick, 24 in. wide. Panels cut 1 in. less in length than floor-to-ceiling height. Vertical edges inserted in "H" portion of "C-H" studs or the gap between the two 3/4 in. legs of the "E" studs. Free edge of end panels attached to long leg of vertical "J" - runners with 1-5/8 in. long Type S steel screws spaced not greater than 12 in. OC. When wall height exceeds liner panel length, liner panel may be butted to extend to the full height of the wall. Horizontal joints need not be backed by steel framing.

CANADIAN GYPSUM COMPANY - TYPE SLX
UNITED STATES GYPSUM CO - TYPE SLX
USG MEXICO S A DE C V - TYPE SLX

4. **System A** 1HR
Gypsum Board - Gypsum panels, with beveled, square or tapered edges, nom. 5/8 in. thick, 48 in. wide, applied vertically or horizontally, attached to studs with 1 in. long Type S steel screws spaced 12 in. when installed vertically or 8 in. OC when installed horizontally. Horizontal joints need not be backed by steel framing.

CANADIAN GYPSUM COMPANY - TYPES AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRC, WRX
UNITED STATES GYPSUM COMPANY - TYPES AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRC, WRX
USG MEXICO S A DE C V - TYPES AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRC, WRX

System B 2HR
Gypsum panels, with beveled, square or tapered edges, nom 1/2 in. or 5/8 in. thick, 48 in. or 1200 mm wide, applied vertically or horizontally in two layers. Inner or base layer attached to studs with 1 in. long Type S steel screws spaced 24 in. OC when installed vertically or 16 in. OC when installed horizontally. Outer or face layer attached to studs with 1-5/8 in. long Type S steel screws spaced 12 in. OC when installed vertically and staggered 12 in. from base layer screws or 8 in. OC when installed horizontally and staggered 8 in. from base layer screws. Horizontal joints between inner and outer layers staggered a min of 12 in. Horizontal joints need not be backed by steel framing. Vertical joints centered over studs and staggered 24 in.

CGC INC — 1/2 in. Type C, IP-X2, IPC-AR or WRC; 5/8 in. Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULX, WRC, WRX
UNITED STATES GYPSUM CO — 1/2 in. Types C, IP-X2, IPC-AR, or WRC; 5/8 in. Types AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SGX, SHX, ULX, USGX, WRC, WRX
USG MEXICO S A DE C V — 1/2 in. Types C, IP-X2, IPC-AR or WRC; 5/8 in. Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULX, WRC, WRX

5. Joint Tape and Compound (Not Shown) - Joints on outer layers of gypsum boards covered with paper tape and joint compound. Paper tape and joint compound may be omitted when gypsum boards are supplied with square edges. Exposed screw heads covered with joint compound.

6. Batts and Blankets - (Optional) - Mineral wool or glass fiber batts partially or completely filling stud cavity. Any mineral wool or glass fiber batt mineral bearing the UL Classification Marking as to Fire Resistance.

1 Fire Systems
3/4" = 1'-0"

PHASE:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT	RS, KS, AK, EE	C. WHITLOCK	07/30/21
50% CONSTRUCTION DOCUMENTS	RS, KS, AK, EE	C. WHITLOCK	10/07/21
100% CONSTRUCTION DOCUMENTS	RS, KS, BG, AK, EE	C. WHITLOCK	12/29/21

ID:	REVISION:	DRAWN:	REVIEWED:	DATE:

Client: Leon County R&D Authority
Tallahassee, Florida

Job Title: North Florida Innovation Labs

Consultant:

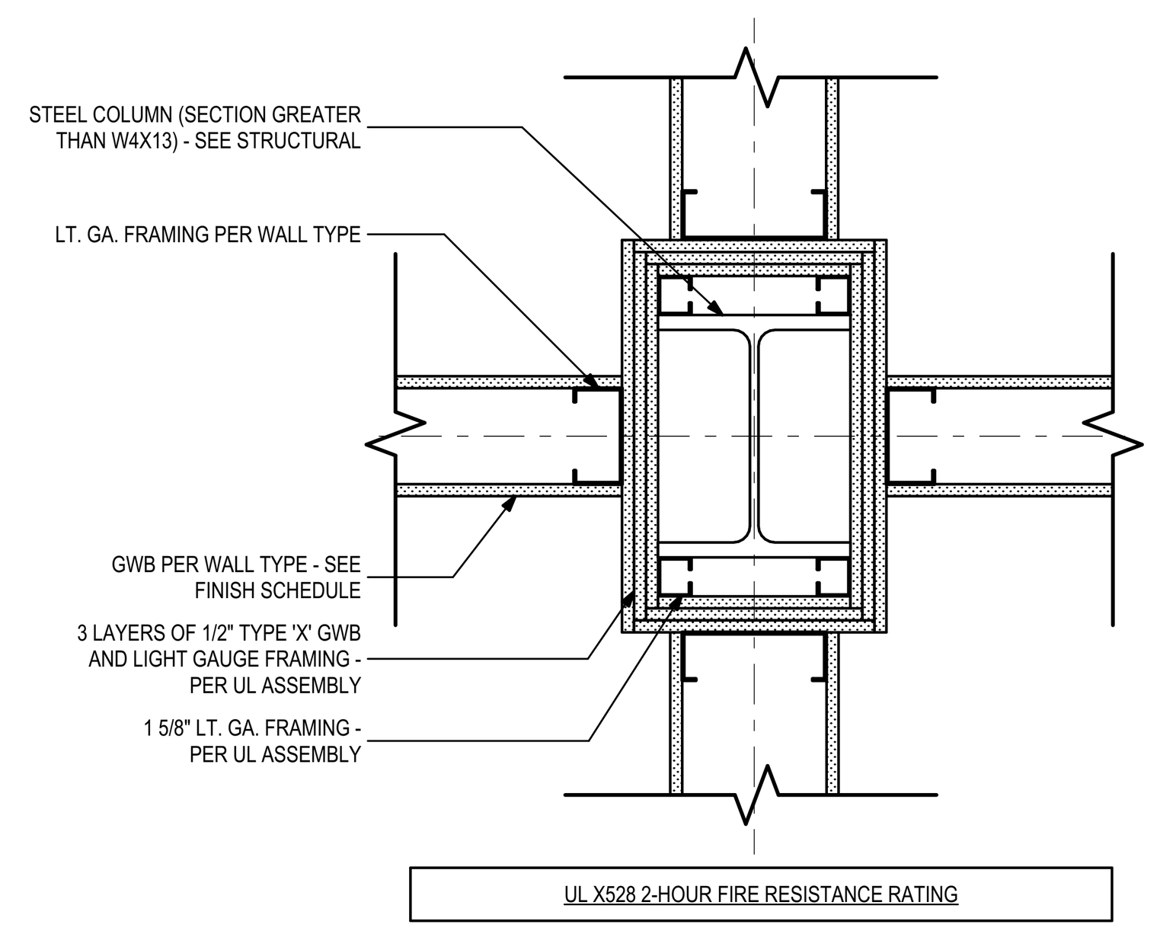
Seal:

Project #: 21414
Phase: 100% Construction Documents

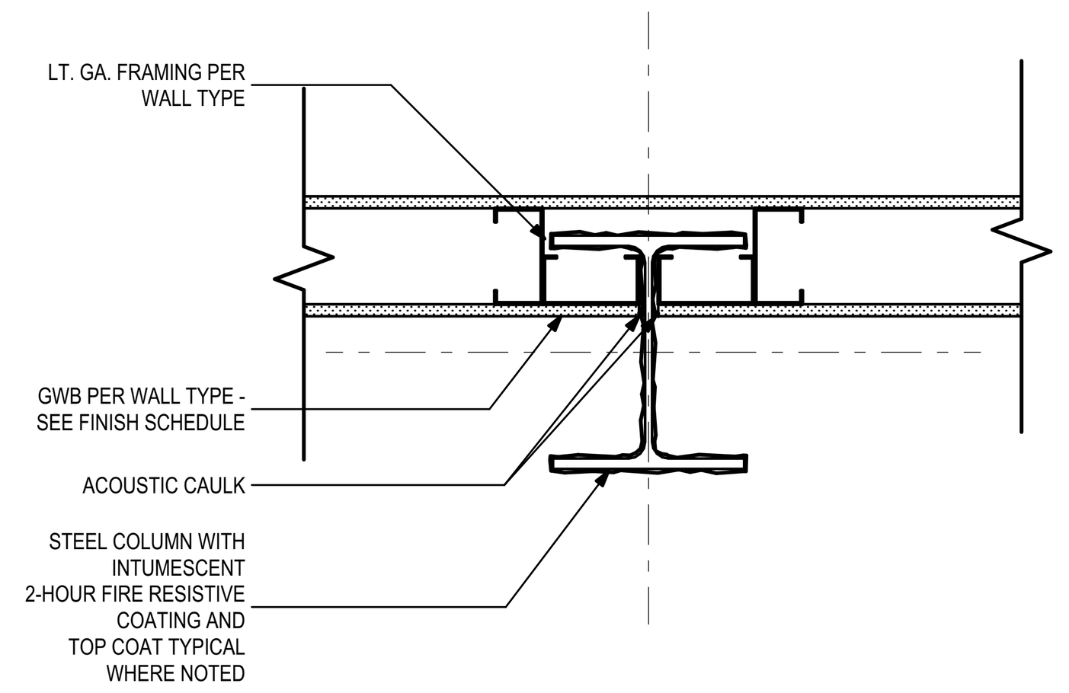
ALW
Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net

Description:
UL Assemblies

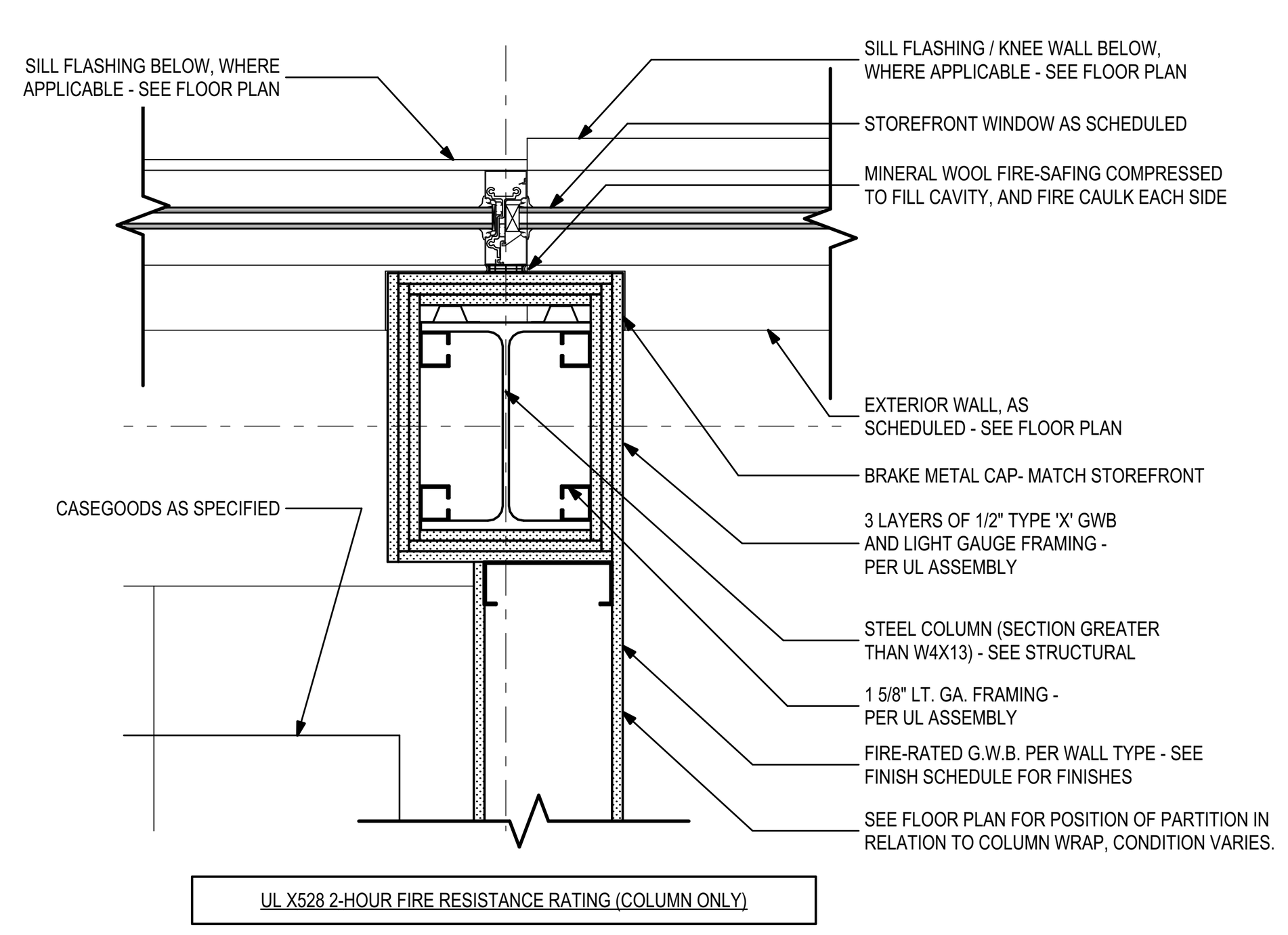
Sheet No.:
G1.2



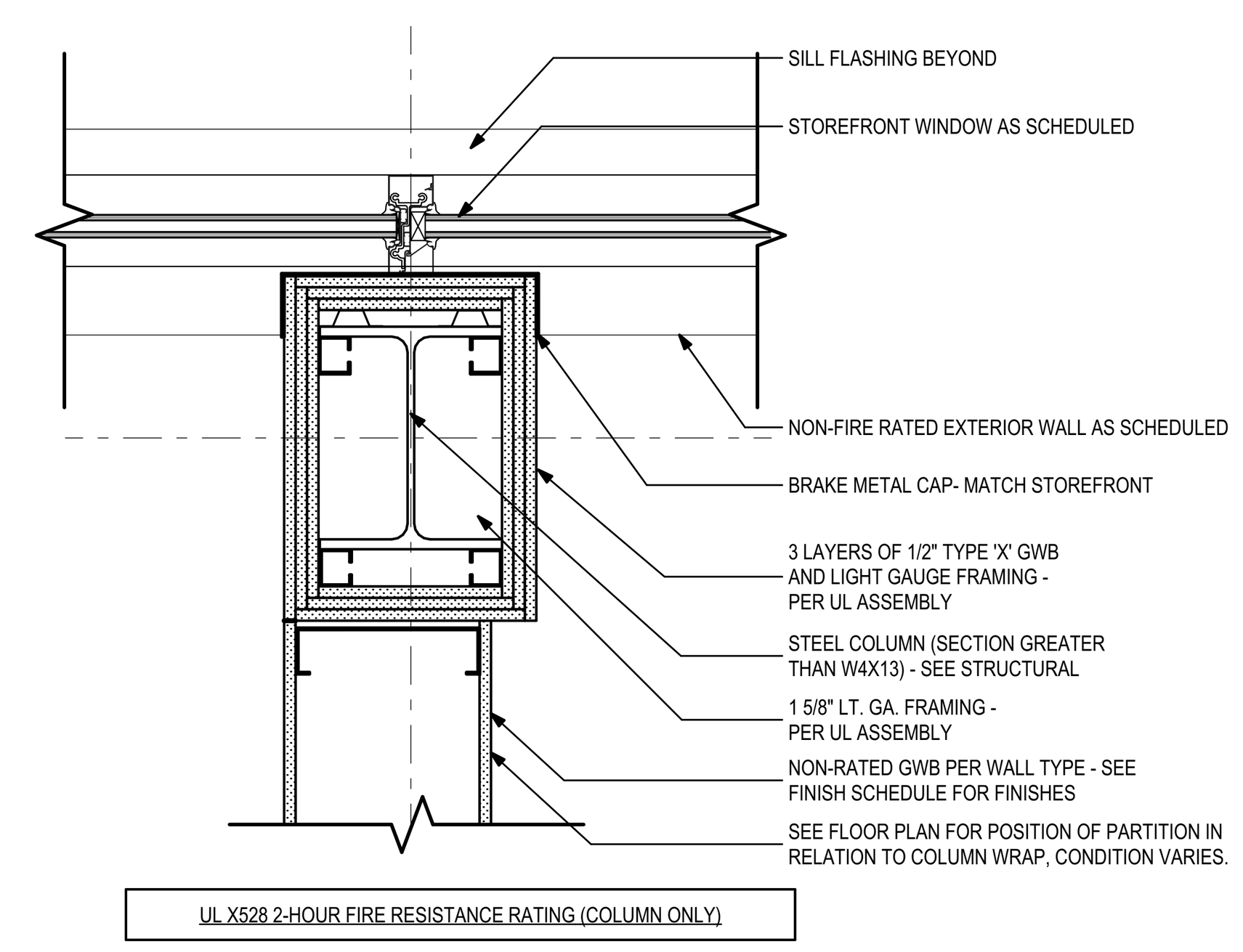
2 Fire Resistive GWB Column Protection
1 1/2"= 1'-0"



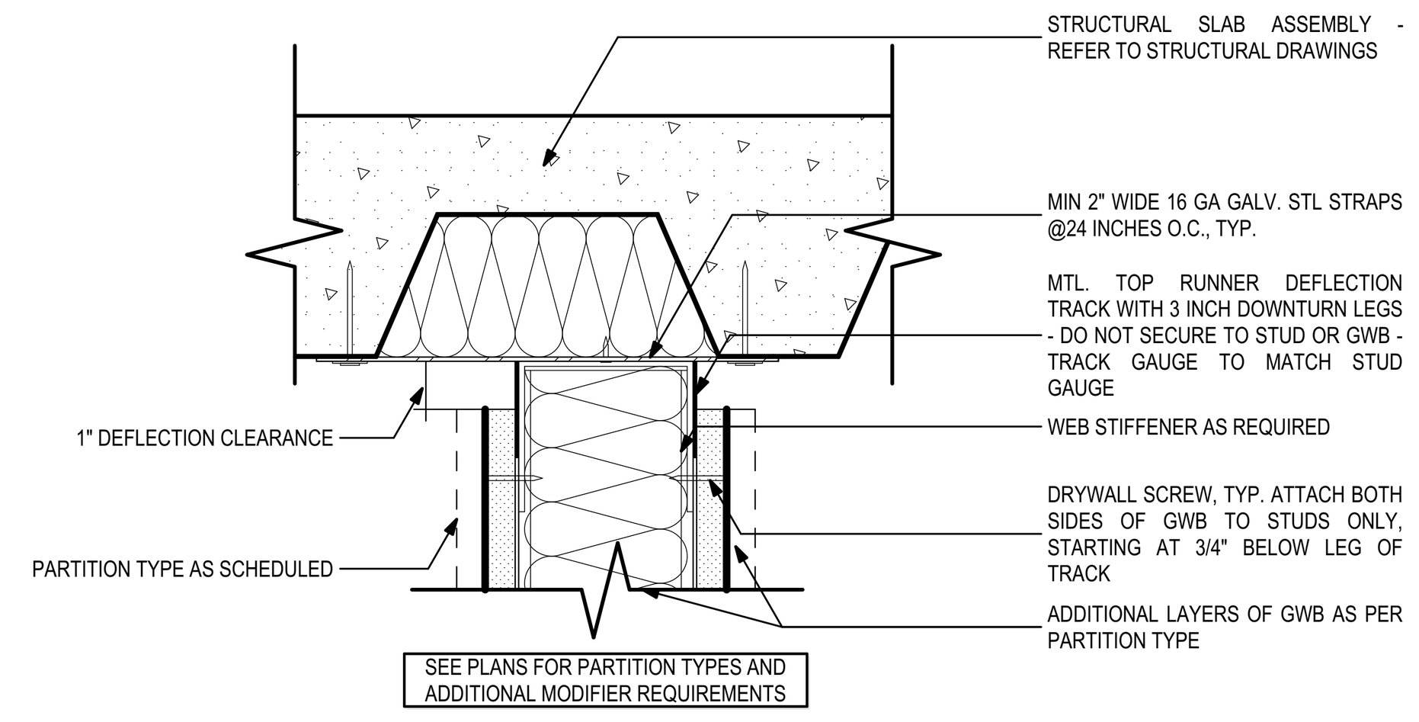
3 Fire-Resistive Intumescent Coating and GWB Framing
1 1/2"= 1'-0"



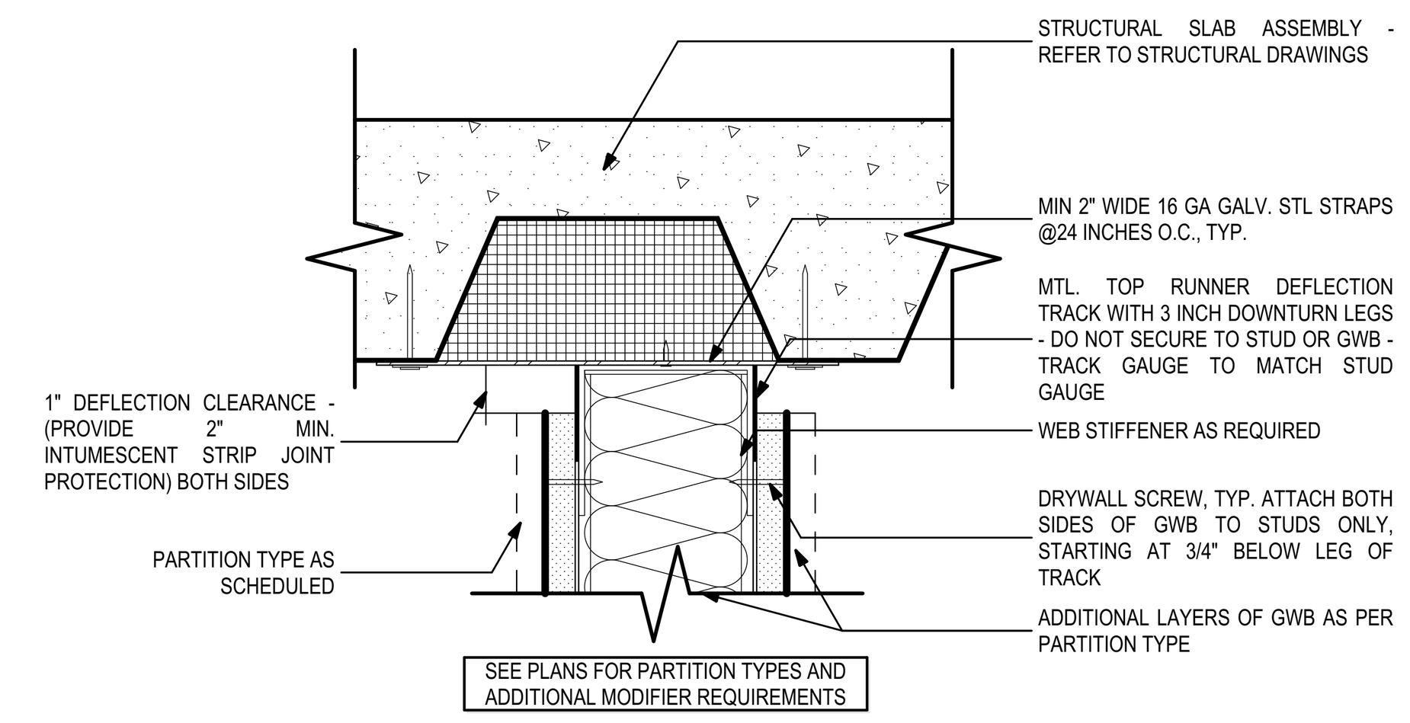
4 Fire Resistive GWB Protection at Ribbon Window
1 1/2"= 1'-0"



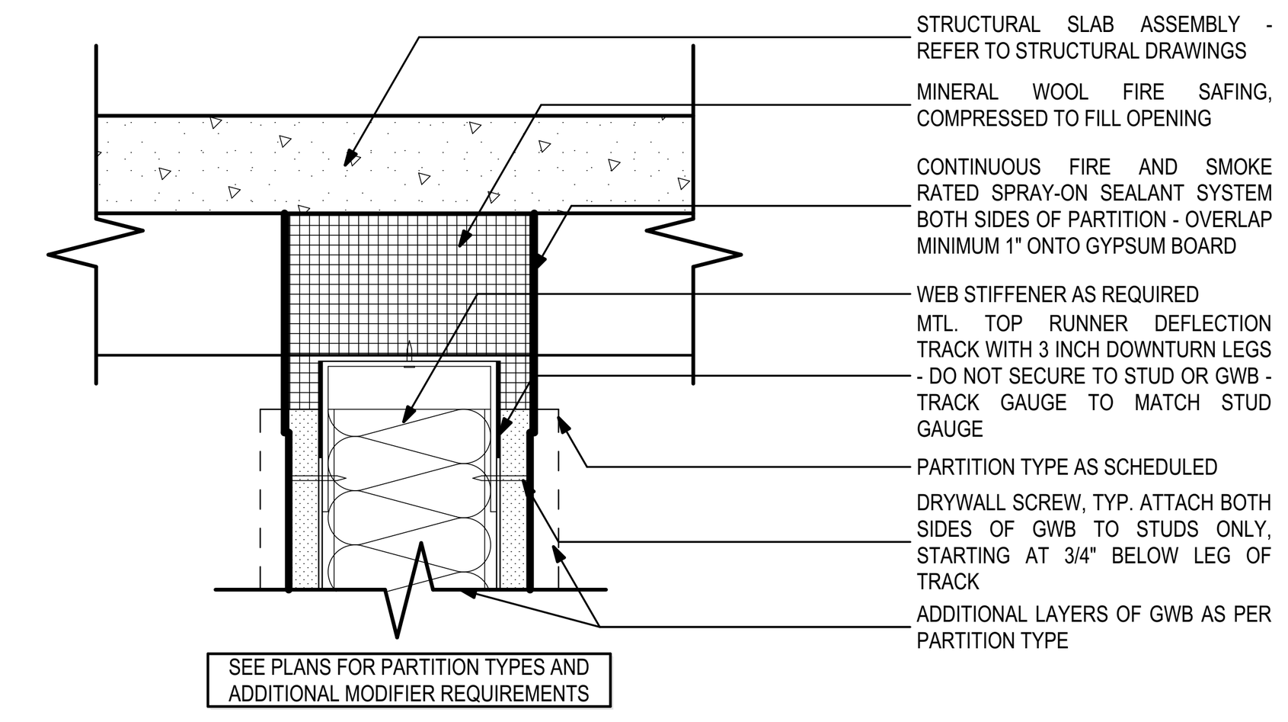
5 Column Wrap at Column at Ribbon Window
1 1/2"= 1'-0"



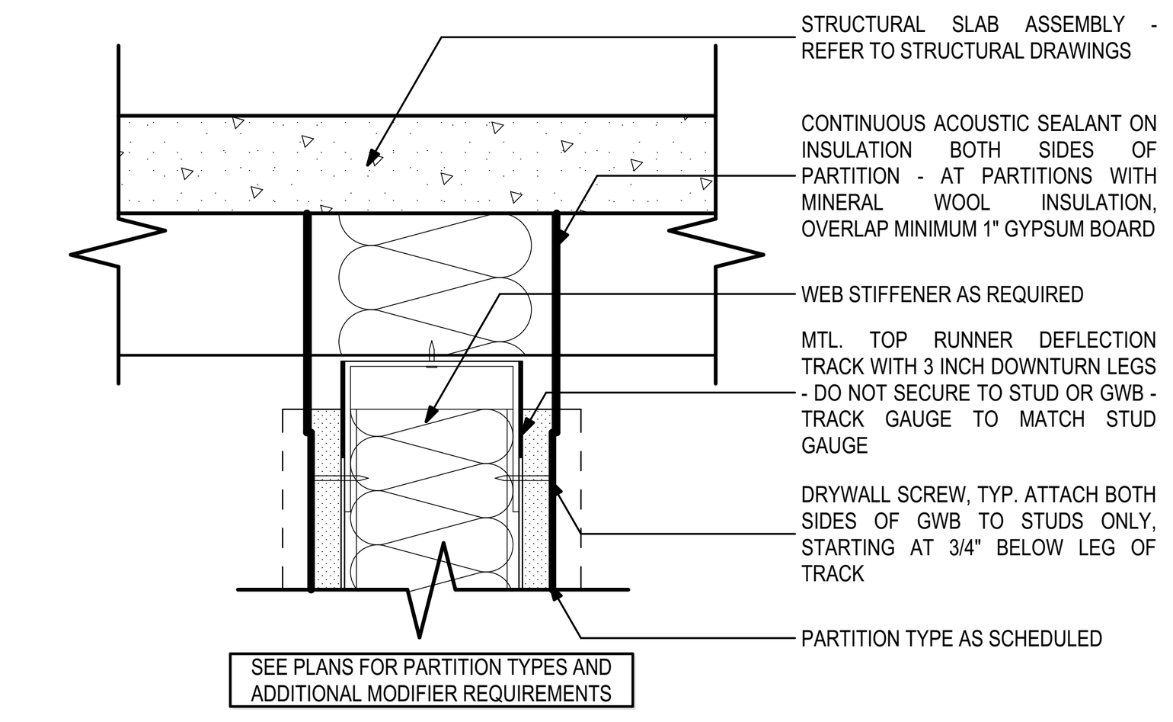
TYPICAL RATED GYPSUM PARTITION AT METAL DECK - PARALLEL
3"=1'-0"



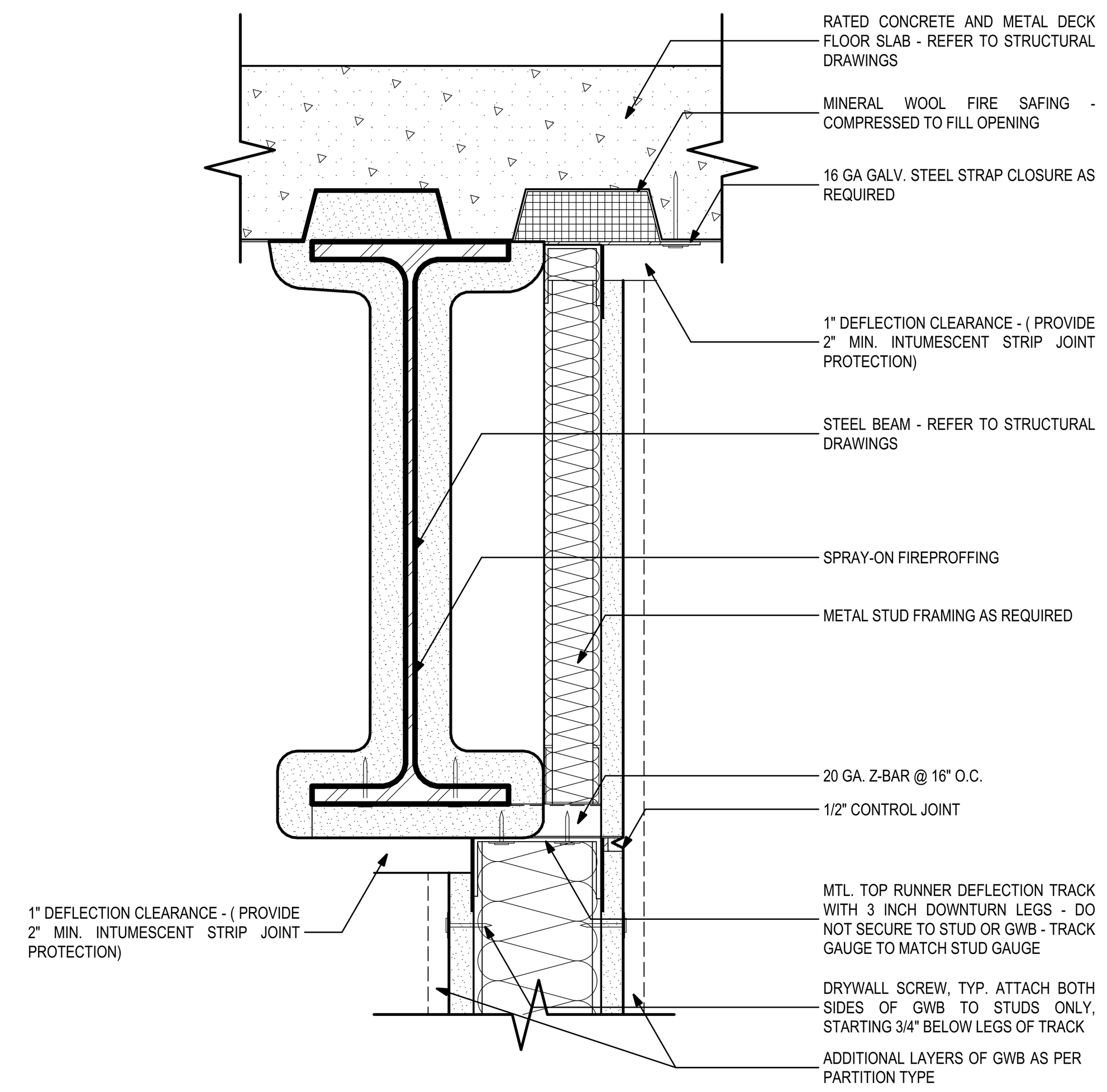
TYPICAL NON RATED GYPSUM PARTITION AT METAL DECK - PARALLEL
3"=1'-0"



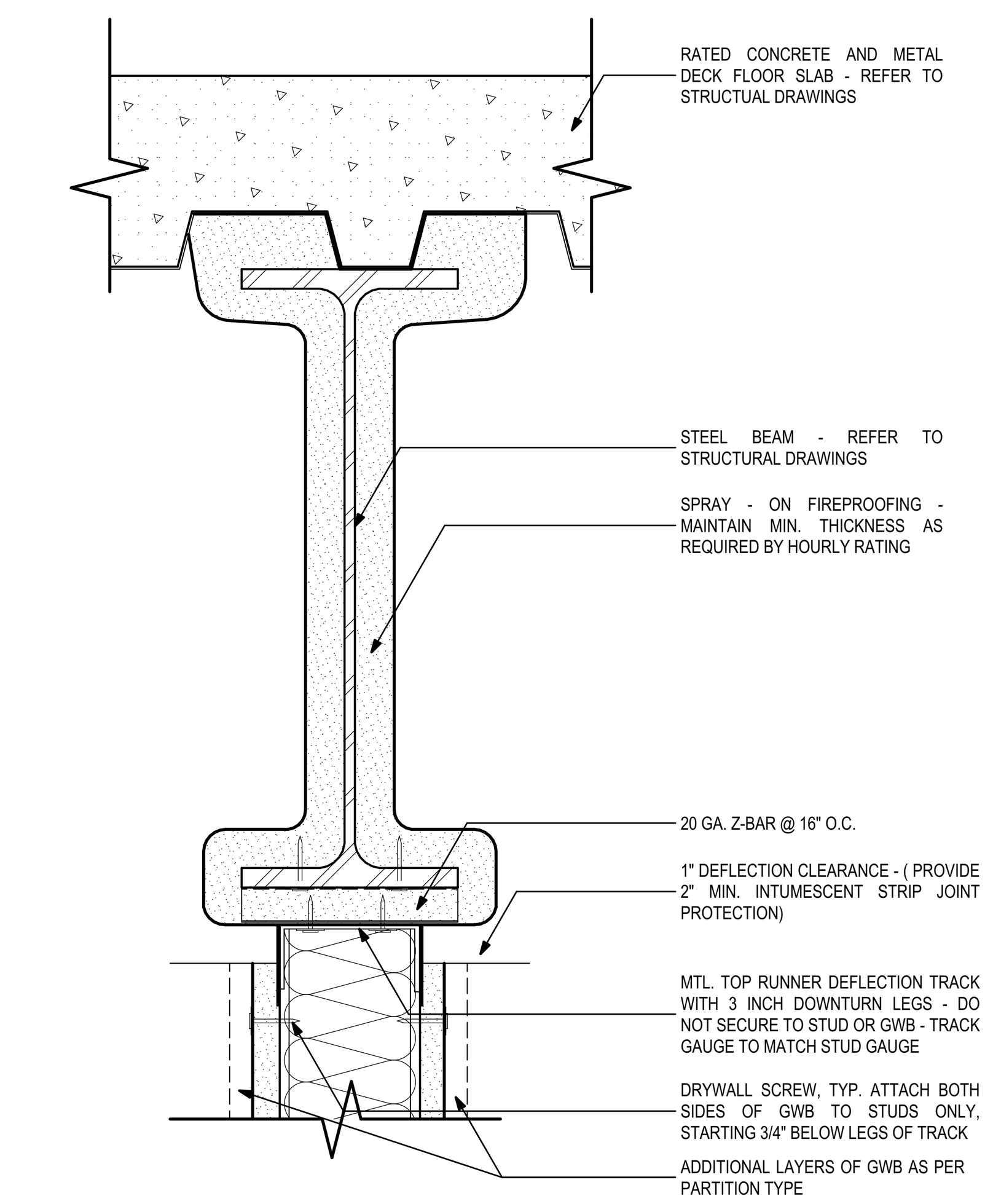
TYPICAL RATED GYPSUM PARTITION AT METAL DECK - PERPINDICULAR
3"=1'-0"



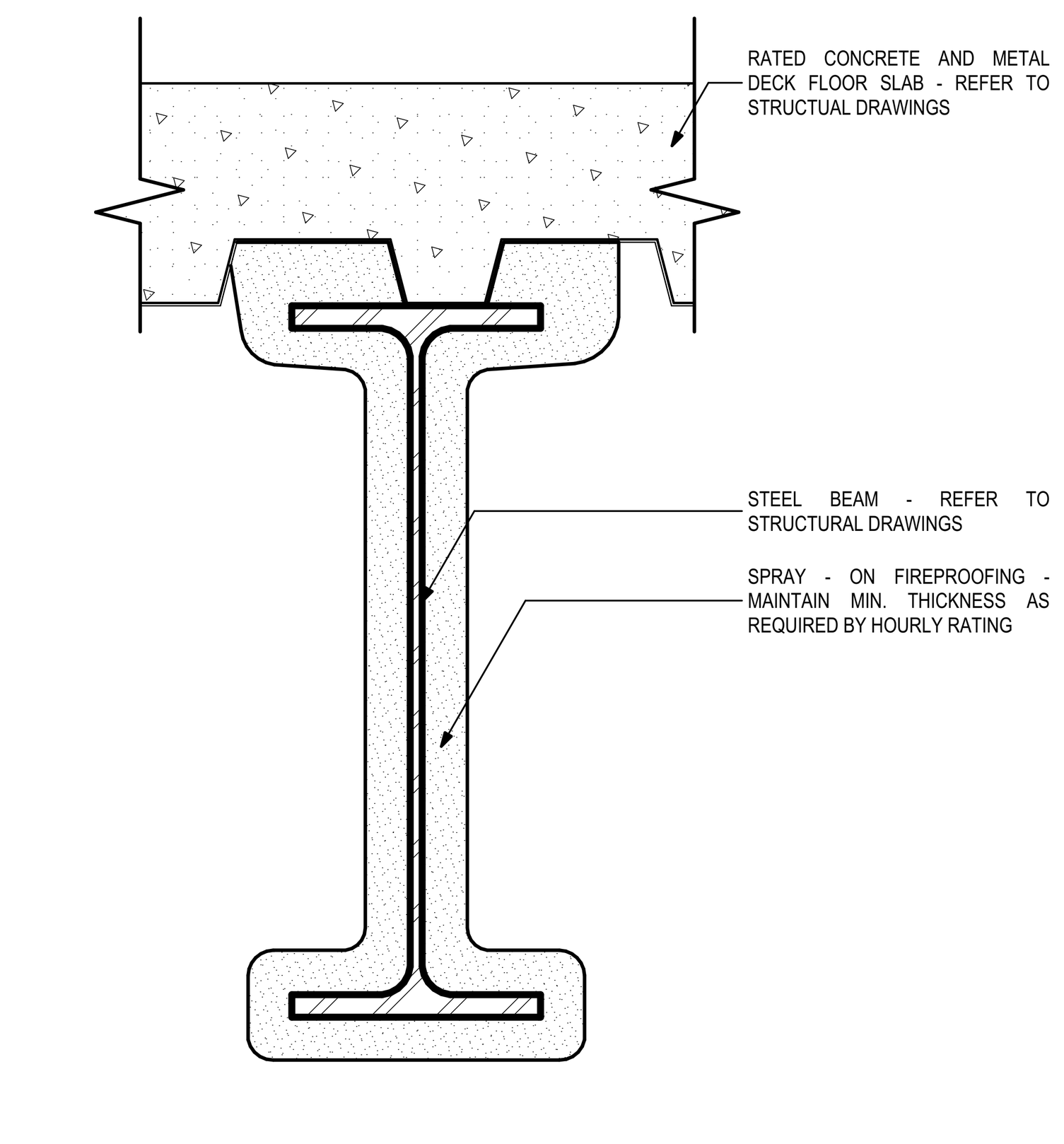
TYPICAL NON-RATED GYPSUM PARTITION AT METAL DECK - PERPINDICULAR
3"=1'-0"



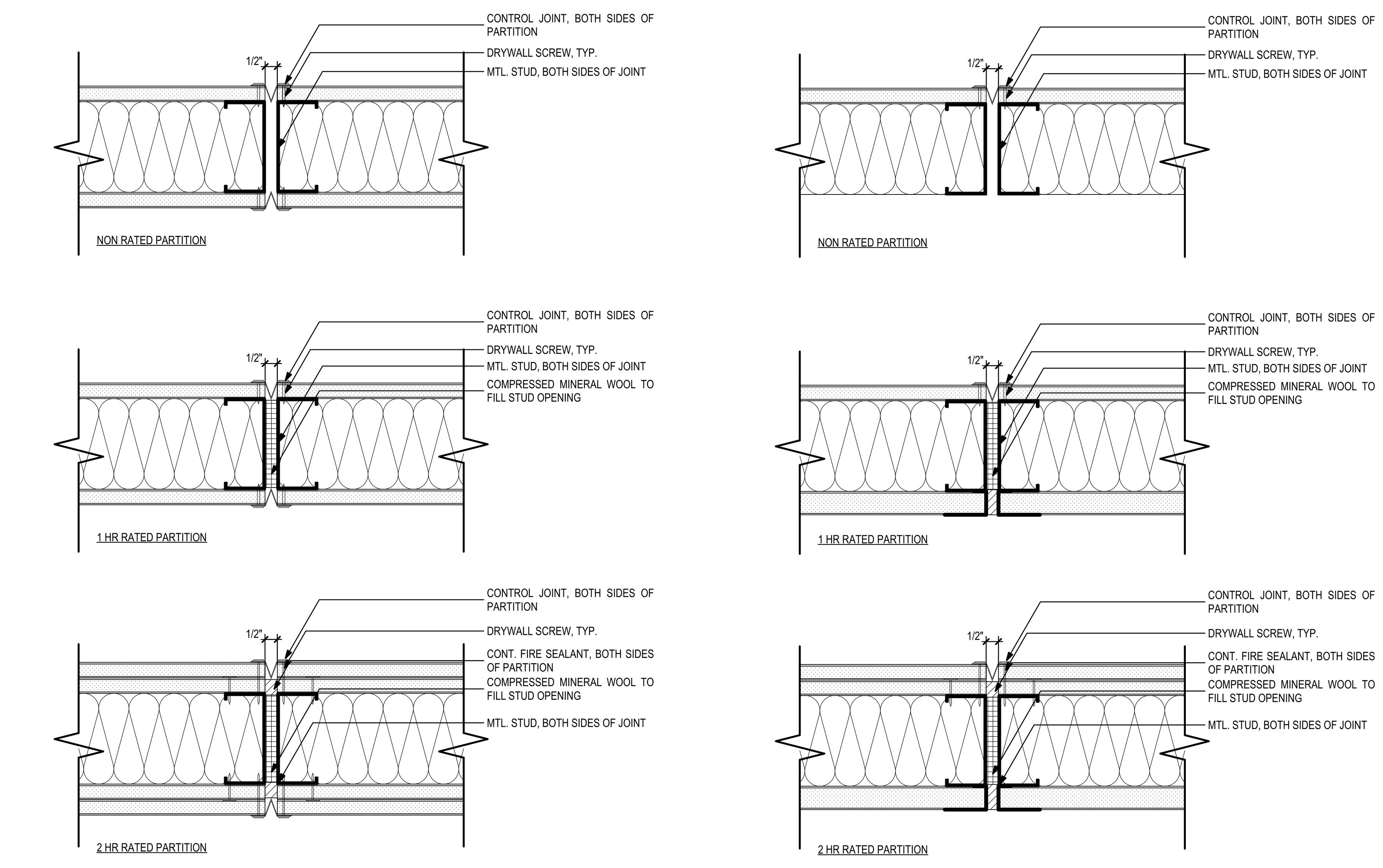
TYPICAL RATED PARTITION AT OFFSET STRUCTURAL BEAM
3"=1'-0"



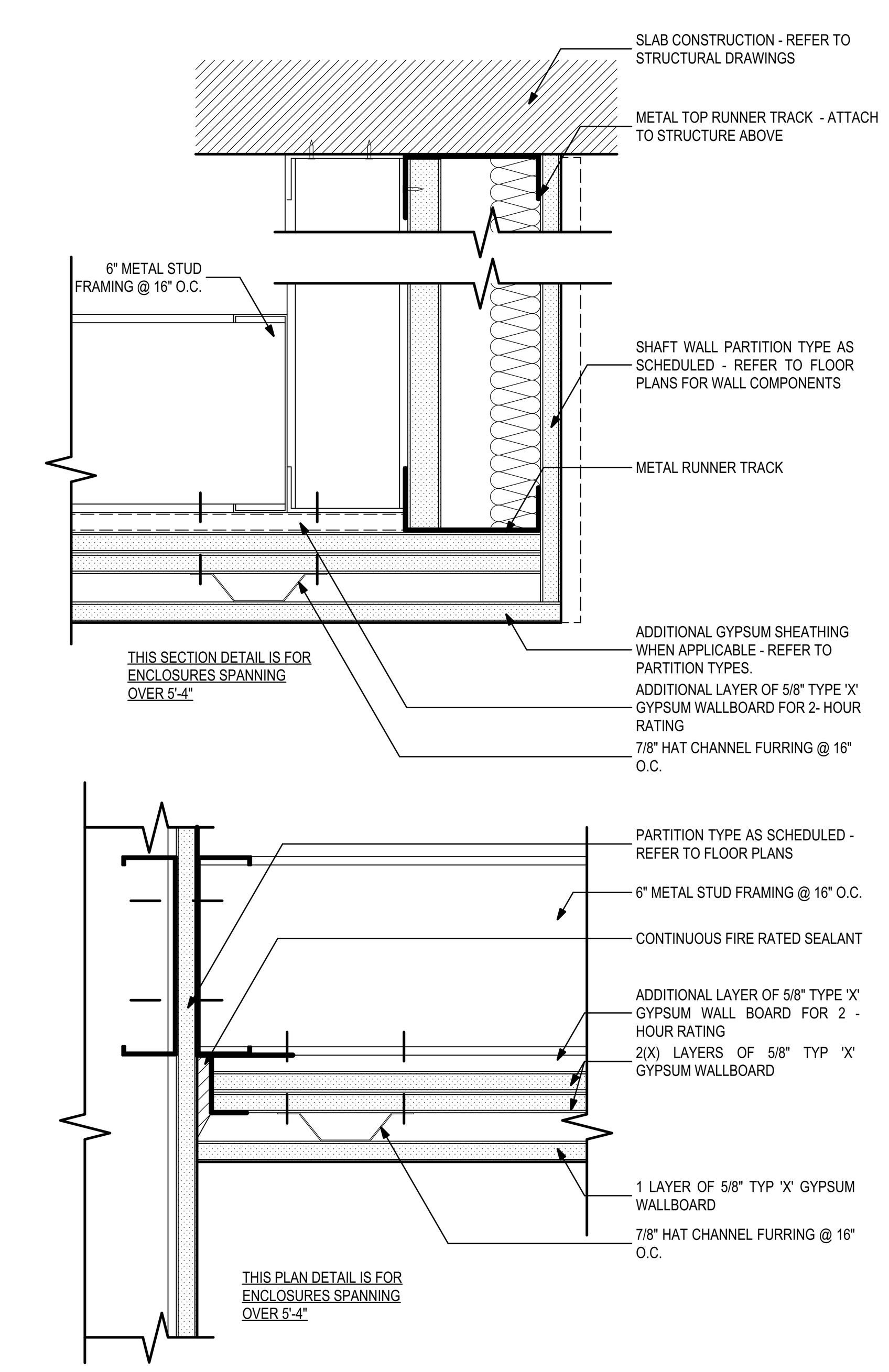
TYPICAL RATED PARTITION AT STRUCTURAL BEAM
3"=1'-0"

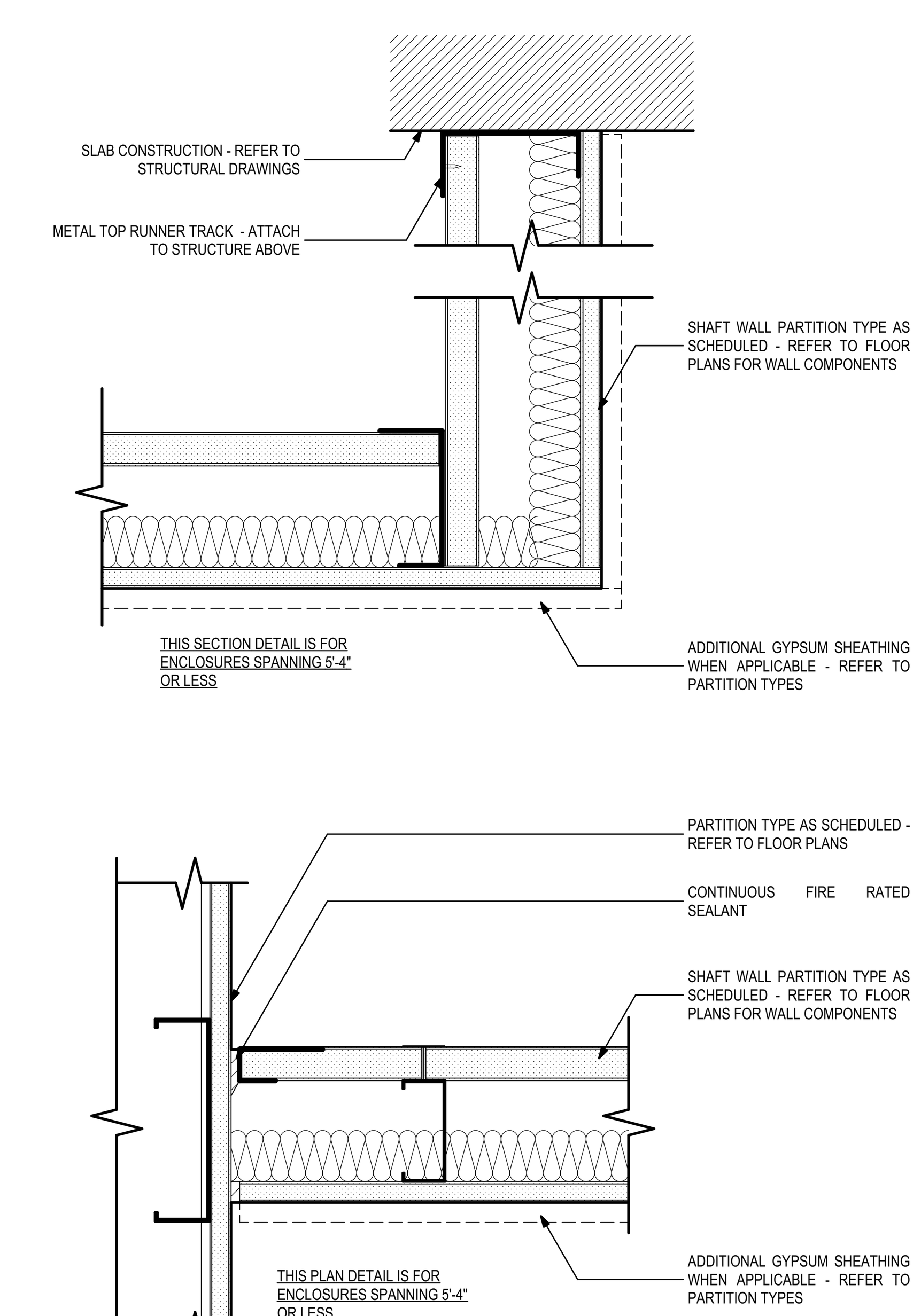


TYPICAL STRUCTURAL BEAM FIREPROOFING
3"=1'-0"



TYPICAL GYPSUM CONTROL JOINT DETAILS
3"=1'-0"





TYPICAL HORIZONTAL SHAFTWALL ENCLOSURE DETAILS
3"=1'-0"

1 Partition Type Details
3" = 1'-0"

PHASE:	DRAWN:	REVIEWED:	DATE:	ID:	REVISION:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT	RS, KS, AK, EE	C. WHITLOCK	07/26/21					
50% CONSTRUCTION DOCUMENTS	RS, KS, AK, EE	C. WHITLOCK	10/07/21					
100% CONSTRUCTION DOCUMENTS	RS, KS, BG, AK, EE	C. WHITLOCK	12/09/21					

Client:
Leon County R&D Authority
Tallahassee, Florida

Job Title:
North Florida Innovation Labs

Consultant:

Seal:

Project #: 21414
Phase: 100% Construction Documents

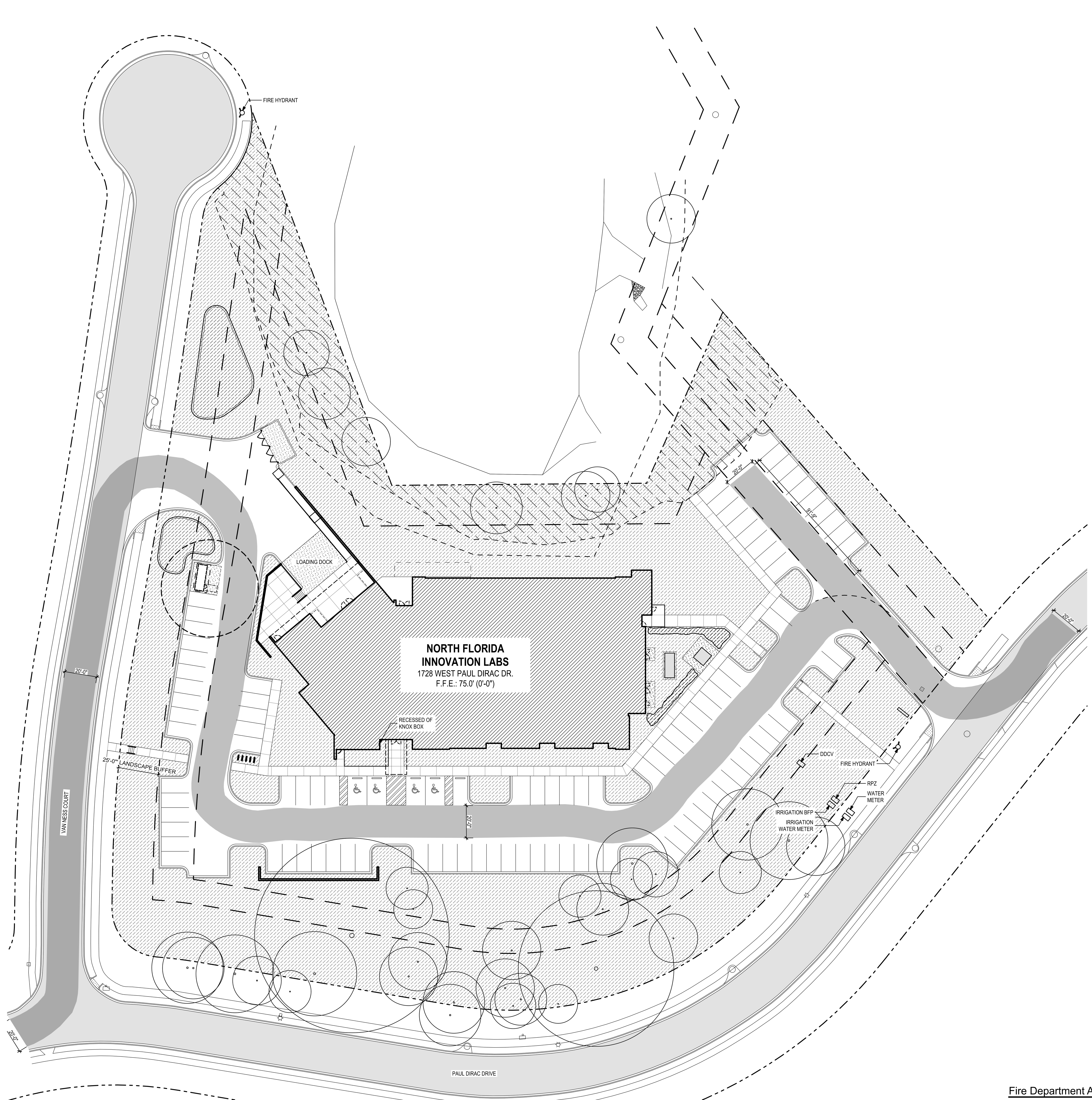
ALW
Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net

Description:
Partition Details & Fire-Resistent Connections

Sheet No.:
G1.3

Function of Space Legend

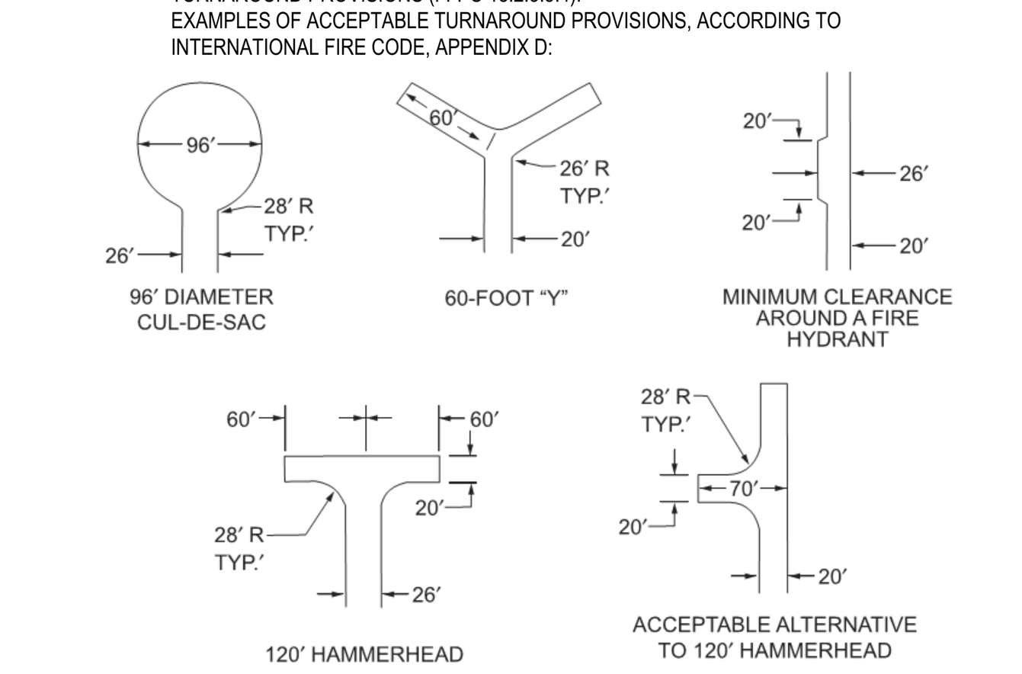
FIRE TRUCK ACCESS LANE, SEE CIVIL SHEETS FOR ACTUAL TRUCK TURN DIAGRAMS.



5 Site Life Safety Plan
1" = 30'

Fire Department Access Information

ACCESS ROADS MUST BE WITHIN 50 FEET OF AT LEAST ONE EXTERIOR DOOR (FFPC 18.2.3.2.1).
ANY PORTION OF THE FIRST STORY EXTERIOR WALL MUST BE WITHIN 450 FEET OF AN ACCESS ROAD (FFPC 18.2.3.2.2.1).
ACCESS ROADS MUST BE AT LEAST 20 FEET WIDE (FFPC 18.2.3.5.1.1).
ACCESS ROADS MUST HAVE A VERTICAL CLEARANCE OF 13'-6" (FFPC 18.2.3.5.1.2).
DEAD-END ROADS EXCEEDING 150 FEET MUST BE PROVIDED WITH APPROVED TURNAROUND PROVISIONS (FFPC 18.2.3.5.4).
EXAMPLES OF ACCEPTABLE TURNAROUND PROVISIONS, ACCORDING TO INTERNATIONAL FIRE CODE, APPENDIX D:



NORTH FLORIDA INNOVATION LABS CODE SUMMARY

GENERAL INFORMATION

Location
1729 W. Paul Dirac Drive
Tallahassee, FL 32310
Authority Having Jurisdiction
City of Tallahassee Building Inspections / Permitting
Project Description
2-Story Mixed-Use Assembly, Laboratory, and Industrial Use Building
Code Approach Summary
Type III-B Construction, Fully Sprinklered with addressable fire alarm system

APPLICABLE CODES

Florida Building Code, Building (FBC-B)	7th Edition (2020)
Florida Building Code, Accessibility (FBC-A)	7th Edition (2020)
Florida Building Code, Mechanical (FBC-M)	7th Edition (2020)
Florida Building Code, Fuel Gas (FBC-FG)	7th Edition (2020)
Florida Building Code, Plumbing (FBC-P)	7th Edition (2020)
Florida Fire Prevention Code (FFPC)	7th Edition
National Electrical Code (NEC)	2017 Edition

USE AND OCCUPANCY CLASSIFICATION

Use Group: A-3, B and F-1
Occupancy Classification: Nonseparated Mixed-Use per Section 508.3

CONSTRUCTION CLASSIFICATION

Building: Type III-B
Fire Rating Requirements (Table 601)

Primary Structure	0 Hour
Bearing Walls (Exterior)	2 Hour
Bearing Walls (Interior)	0 Hour
Nonbearing Walls and Partitions Exterior	0 Hour[1]
Nonbearing Walls and Partitions Interior	0 Hour
Floor Construction and Assoc. Secondary Members	0 Hour
Roof Construction and Assoc. Secondary members	0 Hour

[1] (Per note e, Table 602 – fire separation greater than 30')

BUILDING HEIGHT AND AREAS

Allowable Building Height and Areas
Building Type III-B / Group A-3 (most restrictive occupancy)
Allowable Height: 3 stories, 75'
Allowable Area: 28,500 (per floor)

Building Height as designed: 2 stories, 38'-4"

AREA SUMMARY

Level	Indoor	Outdoor
1st Floor	20,610 GSF	1,585 GSF (patio) 1,425 GSF (loading dock, 880 GSF under roof)
2nd Floor	18,720 GSF	
Total	**39,330 GSF**	**3,010 GSF**

EGRESS REQUIREMENTS

Exit Width Factors
Sprinklers & Emergency Voice Alarm Communication

Stairs	0.3"/person (40 people/ft)
Doors, Level Surface, Ramps	0.2"/person (60 people/ft)

Maximum Exit Access Travel Distance

Group A-3 Occupancy	250'
Group B Occupancy	300'
Group F-1 Occupancy	250'

Maximum Common Path of Travel Distance

Group A-3 Occupancy	75'
Group B Occupancy	100'
Group F-1 Occupancy	100'

LIFE SAFETY SYTEMS

Active
Fire Alarm – Sprinkler system with water flow switch monitoring
Fire Alarm Control Panel
Remote Annunciator Panel
Smoke Detection
Exit Signs – Emergency Generator
Emergency Lights – Emergency Generator
Backup Power – Emergency Generator
Suppression – Standpipe
Suppression – Automatic
Fire Extinguishers – Per FBC & NFPA 10
Pull Stations
Two-way Communication

Passive

Corridor Ratings	0 Hour
Interior Exit Stairs	1 Hour (FBC 1023.2 < 4 stories)
Shafts	1 Hour (FBC 713.4 < 4 stories)

PLUMBING FIXTURE COUNTS

WATER CLOSETS:	5 MALE / 7 FEMALE
LAVATORIES:	4 MALE / 4 FEMALE
DRINKING FOUNTAINS:	4
SERVICE SINKS:	1

Level 1
Assembly (A-3):

Event Room	1279 NSF / 7 =	183 occupants	
Break Room	875 SF /15 =	58 occupants	
Conf. Rm #1	612 NSF / 15 =	41 occupants*	
Conf. Rm #2	232 NSF/ 15 =	16 occupants*	
Total	2,998 nsf	298 occupants	(14.5% of floor area)

Industrial/Factory (F-1):

Metal Shop	853 NSF/100 =	9 occupants	
Fab Shop	445 NSF/100 =	5 occupants	
Shipping	507 NSF/200 =	3 occupants	
Total	1,805 nsf	17 occupants	(11.4 % of floor area)

Business (B):
15,797 GSF / 150 = 105 occupants**

Level 2
Assembly (A-3):

Break Room	704 NSF / 15 =	47 occupants*
Conf. Rm	212 NSF / 15 =	14 occupants*

Business (B):
17,960 GSF / 150 = 120 occupants**

Occupant Load by Occupancy:

Assembly (A-3):	359
Business (B):	225
Industrial/Factory (F-1):	17

*Not a true "assembly occupancy" load<50 occupants
**the GSF number assumes the subtraction of the net square foot areas identified as assembly

PHASE:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT	RS, KS, AK, EE	C. WHITLOCK	07/30/21
50% CONSTRUCTION DOCUMENTS	RS, KS, AK, EE	C. WHITLOCK	10/07/21
100% CONSTRUCTION DOCUMENTS	RS, KS, BG, AK, EE	C. WHITLOCK	12/09/21

ID:	REVISION:	DRAWN:	REVIEWED:	DATE:

Client: Leon County R&D Authority
Tallahassee, Florida

Job Title: North Florida Innovation Labs

Consultant:

Seal:

Project #: 21414
Phase: 100% Construction Documents

ALW
Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net

Description: **Code Summary and UL Systems**

Sheet No.: **LS1.0**

NFPA 45 Laboratory Classification Requirements

Chemistry Lab suite and Bio Lab suite have 1 hour fire separation ratings. This allows for each unit to be designated as Class B (moderate fire hazard). (4.2.1.1) (Table 5.1.1)

Laboratory Unit Fire Hazard Class	Flammable and Combustible Liquid Class	Quantities in Use: Maximum Quantity per 100 sq ft of Laboratoy Unit (gal)	Quantities in Use: Maximum Quantity per Laboratory Unit (gal)	Quantities in Use and Storage: Maximum Quantity per 100 sq ft of Laboratoy Unit (gal)	Quantities in Use and Storage: Maximum Quantity per Laboratory Unit (gal)
B	I	5	300	10	480
(moderate fire hazard)	I, II, and IIIA	10	400	20	800

Control Areas - NFPA 1 Section 60.4.2

60.4.2.1 - Hazardous materials shall be permitted to be stored and used in control areas in accordance with 60.4.2.1 and 60.4.2.2.

60.4.2.1.1.2 - The quantity of hazardous materials in an individual control area shall not exceed the maximum allowable quantitiy (MAQ) for the applicable occupancy.

Control areas shall be separated from each other by fire barriers in accordance with NFPA 1 (Table 60.4.2.2.1)

Floor Level	Maximum Allowable Quantity Per Control Area (percent)	Number of Control Areas Per Floor	Fire Resistance Ratings for Fire Barriers (hr)
2	75	3	1
1	100	4	1

The building will be divided into 4 hazardous material control areas on the ground floor and 3 on the second floor. These areas are required to have 1 hour fire separation ratings for the walls and can store up to the Maximum Allowable Quantities of chemicals per Table 60.4.2.1.1.3.

The floor assembly and the structure supporting the floor of the control area are required to have 2 hour ratings per IBC 414.2.4

GROUND FLOOR TOTAL - MAXIMUM ALLOWABLE QUANTITIES

Material	Class	Storage Liquid (gal)	Gas (ft3 or lb)
Flammable	IA		360 gal
Liquid	IB & IC	1,440 gal	
	Combo of IA, IB, IC	1,440 gal	
Combustible	II	1,440 gal	
Liquid	IIIA	3,960 gal	
	IIIB	Unlimited	
Cryogenic Fluid	Flammable		270 gal
	Oxidizing	270 gal	
	Inert	Unlimited	
Flammable Gas	Gaseous	12,000 ft3	
	Liquefied	1,800 lb	

LEGEND

- FEC — FIRE EXTINGUISHER CABINET 2A10BC, U.N.O.
- FEB — BRACKET MOUNTED FIRE EXTINGUISHER, 2A10BC, U.N.O.
- # — INDICATES # OF OCCUPANTS FOR A PARTICULAR BUILDING AREA
- # — INDICATES # OF OCCUPANTS FOR AREAS THAT INCLUDE OCCUPANT LOADS FROM ADJACENT SPACES
- #/# — ACTUAL OCCUPANT LOAD ANTICIPATED / ALLOWED OCCUPANT CAPACITY FOR THIS EXIT
- 1-HR RATED PARTITION

LIFE SAFETY BUILDING INFORMATION

GROUND FLOOR

ASSEMBLY (A3):	2,998 NSQ FT (298)
INDUSTRIAL/FACTORY	1,805 NSQ FT (17)
BUSINESS (B):	15,797 SQ FT (105)
TOTAL =	20,600 SQ FT

TOTAL OCCUPANT LOAD: 420 OCCUPANTS

* FIRE SUPPRESSION SYSTEM SHALL BE AS INDICATED ON THE FIRE PROTECTION DOCUMENTS.

ASSEMBLY | BUSINESS LABORATORY | BUSINESS | FACTORY/ INDUSTRIAL

CONTROL AREA 2 - MAXIMUM ALLOWABLE QUANTITIES

(areas within this fire-rated boundary)

Material	Class	Storage Liquid (gal)	Gas (ft3 or lb)
Flammable	IA	120 gal	
Liquid	IB & IC	480 gal	
	Combo of IA, IB, IC	480 gal	
Combustible	II	480 gal	
Liquid	IIIA	1320 gal	
	IIIB	Unlimited	
Cryogenic Fluid	Flammable	90 gal	
	Oxidizing	90 gal	
	Inert	Unlimited	
Flammable Gas	Gaseous	4000 ft3	
	Liquefied	600 lb	

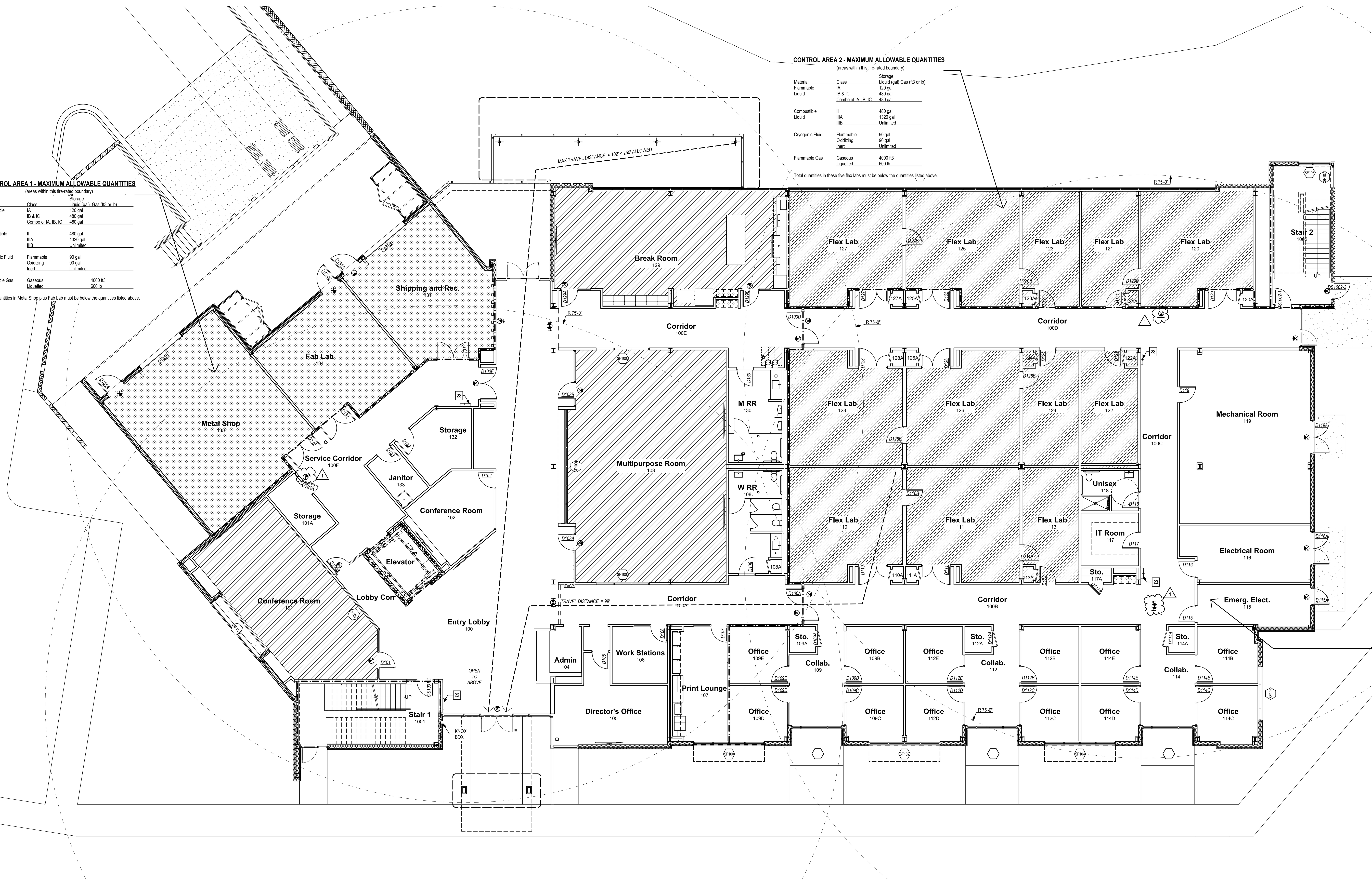
Total quantities in these five flex labs must be below the quantities listed above.

CONTROL AREA 1 - MAXIMUM ALLOWABLE QUANTITIES

(areas within this fire-rated boundary)

Material	Class	Storage Liquid (gal)	Gas (ft3 or lb)
Flammable	IA	120 gal	
Liquid	IB & IC	480 gal	
	Combo of IA, IB, IC	480 gal	
Combustible	II	480 gal	
Liquid	IIIA	1320 gal	
	IIIB	Unlimited	
Cryogenic Fluid	Flammable	90 gal	
	Oxidizing	90 gal	
	Inert	Unlimited	
Flammable Gas	Gaseous		4000 ft3
	Liquefied		600 lb

Total quantities in Metal Shop plus Fab Lab must be below the quantities listed above.



CONTROL AREA 3 - MAXIMUM ALLOWABLE QUANTITIES

(areas within this fire-rated boundary)

Material	Class	Storage Liquid (gal)	Gas (ft3 or lb)
Flammable	IA	120 gal	
Liquid	IB & IC	480 gal	
	Combo of IA, IB, IC	480 gal	
Combustible	II	480 gal	
Liquid	IIIA	1320 gal	
	IIIB	Unlimited	
Cryogenic Fluid	Flammable	90 gal	
	Oxidizing	90 gal	
	Inert	Unlimited	
Flammable Gas	Gaseous	4000 ft3	
	Liquefied	600 lb	

Total quantities in the rest of the building must be below the quantities listed above.

1 First Floor Life Safety Plan
1/8" = 1'-0"

PHASE:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT	RS, KS, AK, EE	C. WHITLOCK	07/30/21
50% CONSTRUCTION DOCUMENTS	RS, KS, AK, EE	C. WHITLOCK	10/07/21
100% CONSTRUCTION DOCUMENTS	RS, KS, BG, AK, EE	C. WHITLOCK	12/09/21

ID:	REVISION:	DRAWN:	REVIEWED:	DATE:
1	ADDENDUM 1	RS, KS, EE, AK, BG	C. WHITLOCK	01/10/22

Seal:

Consultant:

Client:
Leon County R&D Authority
Tallahassee, Florida

Job Title:
North Florida Innovation Labs

Project #: 21414
Phase: 100% Construction Documents

ALW

Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850,942.1718
www.think3d.net

Description:
First Floor Life Safety Plan

Sheet No.:
LS1.1

NFPA 45 Laboratory Classification Requirements

Chemistry Lab suite and Bio Lab suite have 1 hour fire separation ratings. This allows for each unit to be designated as Class B (moderate fire hazard). (4.2.1.1) (Table 5.1.1)

Laboratory Unit Fire Hazard Class	Flammable and Combustible Liquid Class	Quantities in Use: Maximum Quantity per 100 sq ft of Laboratoy Unit (gal)	Quantities in Use: Maximum Quantity per Laboratory Unit (gal)	Quantities in Use and Storage: Maximum Quantity per 100 sq ft of Laboratoy Unit (gal)	Quantities in Use and Storage: Maximum Quantity per Laboratory Unit (gal)
B	I	5	300	10	480
(moderate fire hazard)	I, II, and IIIA	10	400	20	800

Control Areas - NFPA 1 Section 60.4.2

60.4.2.1 - Hazardous materials shall be permitted to be stored and used in control areas in accordance with 60.4.2.1 and 60.4.2.2.

60.4.2.1.1.2 - The quantity of hazardous materials in an individual control area shall not exceed the maximum allowable quantitiy (MAQ) for the applicable occupancy.

Control areas shall be separated from each other by fire barriers in accordance with NFPA 1 (Table 60.4.2.2.1)

Floor Level	Maximum Allowable Quantity Per Control Area (percent)	Number of Control Areas Per Floor	Fire Resistance Ratings for Fire Barriers (hr)
2	75	3	1
1	100	4	1

The building will be divided into 4 hazardous material control areas on the ground floor and 3 on the second floor. These areas are required to have 1 hour fire separation ratings for the walls and can store up to the Maximum Allowable Quantities of chemicals per Table 60.4.2.1.1.3.

The floor assembly and the structure supporting the floor of the control area are required to have 2 hour ratings per IBC 414.2.4

second FLOOR TOTAL - MAXIMUM ALLOWABLE QUANTITIES

Material	Class	Storage Liquid (gal)	Gas (ft3 or lb)
Flammable Liquid	IA		180 gal
	IB & IC	720 gal	
	Combo of IA, IB, IC	720 gal	
Combustible Liquid	II	720 gal	
	IIIA	1,980 gal	
	IIIB	Unlimited	
Cryogenic Fluid	Flammable		135 gal
	Oxidizing	135 gal	
	Inert	Unlimited	
Flammable Gas	Gaseous	6,000 ft3	
	Liquefied	900 lb	

LEGEND

- FEC — FIRE EXTINGUISHER CABINET 2A10BC, U.N.O.
- FEB — BRACKET MOUNTED FIRE EXTINGUISHER, 2A10BC, U.N.O.
- # — INDICATES # OF OCCUPANTS FOR A PARTICULAR BUILDING AREA
- # — INDICATES # OF OCCUPANTS FOR AREAS THAT INCLUDE OCCUPANT LOADS FROM ADJACENT SPACES
- #/# — ACTUAL OCCUPANT LOAD ANTICIPATED / ALLOWED OCCUPANT CAPACITY FOR THIS EXIT
- 1-HR RATED PARTITION

LIFE SAFETY BUILDING INFORMATION

SECOND FLOOR

ASSEMBLY (A): (spaces are <50 occ. - not true assembly)	704 NSQ FT (47)
	212 NSQ FT (14)
BUSINESS (B):	17,960 GSQ FT (120)
TOTAL =	18,645 SQ FT

TOTAL OCCUPANT LOAD: 181 OCCUPANTS

* FIRE SUPPRESSION SYSTEM SHALL BE AS INDICATED ON THE FIRE PROTECTION DOCUMENTS.

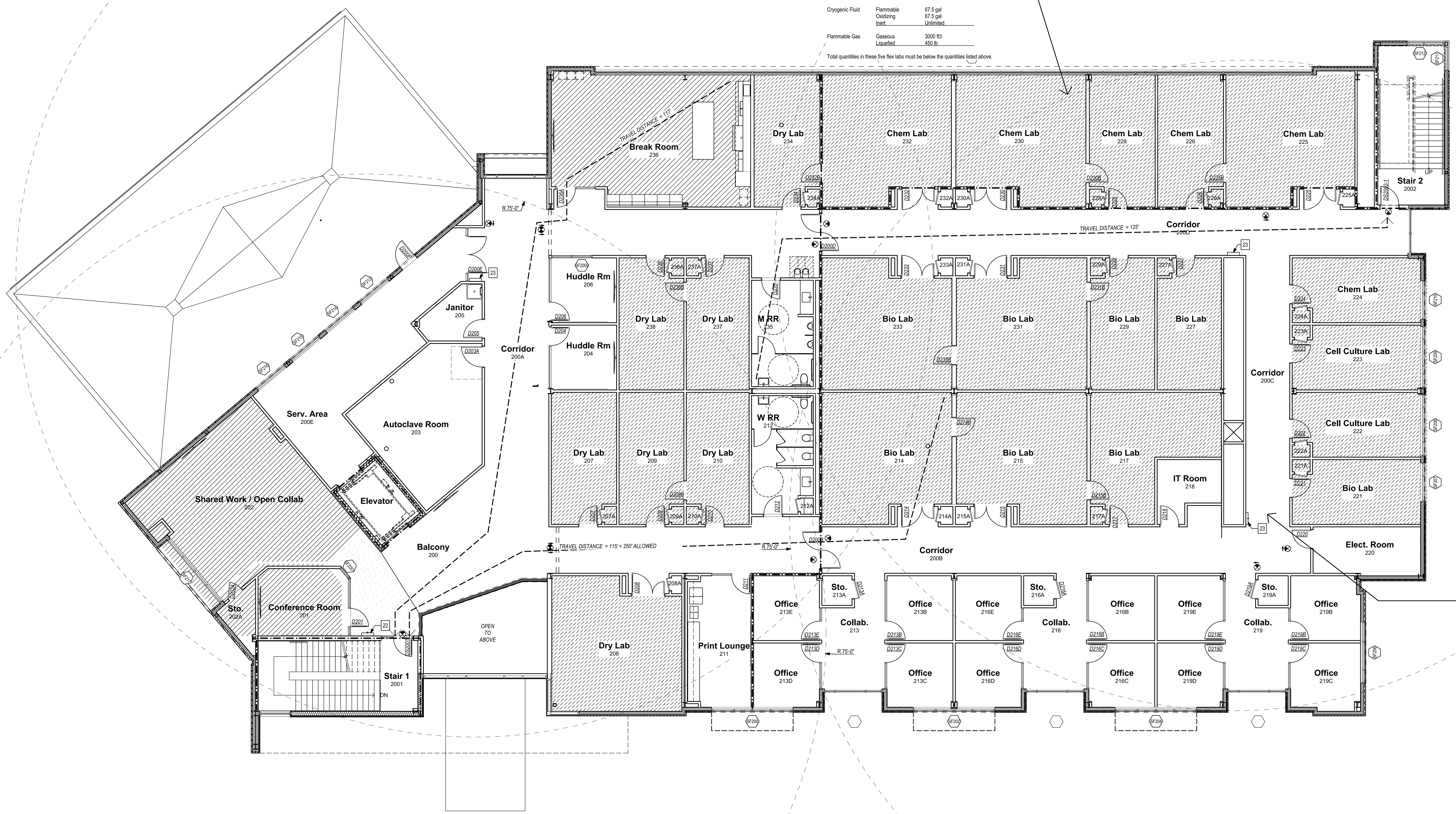
ASSEMBLY | BUSINESS LABORATORY | BUSINESS | FACTORY/ INDUSTRIAL

CONTROL AREA 1 - MAXIMUM ALLOWABLE QUANTITIES

(areas within this fire-rated boundary)

Material	Class	Storage Liquid (gal) Gas (ft3 or lb)
Flammable Liquid	IA	90 gal
	IB & IC	360 gal
	Combo of IA, IB, IC	360 gal
Combustible Liquid	II	360 gal
	IIIA	990 gal
	IIIB	Unlimited
Cryogenic Fluid	Flammable	67.5 gal
	Oxidizing	67.5 gal
	Inert	Unlimited
Flammable Gas	Gaseous	3000 ft3
	Liquefied	450 lb

Total quantities in these five flex labs must be below the quantities listed above.



CONTROL AREA 2 - MAXIMUM ALLOWABLE QUANTITIES

(areas within this fire-rated boundary)

Material	Class	Storage Liquid (gal) Gas (ft3 or lb)
Flammable Liquid	IA	90 gal
	IB & IC	360 gal
	Combo of IA, IB, IC	360 gal
Combustible Liquid	II	360 gal
	IIIA	990 gal
	IIIB	Unlimited
Cryogenic Fluid	Flammable	67.5 gal
	Oxidizing	67.5 gal
	Inert	Unlimited
Flammable Gas	Gaseous	3000 ft3
	Liquefied	450 lb

Total quantities in the rest of the building must be below the quantities listed above.

1 Second Floor Life Safety Plan

1/8" = 1'-0"

BIMcloud: Lewis-BIM - BIMcloud Basic for ARCHICAD 24/21414 NFIL Teamwork DD Model|10:12 PM

ID:	REVISION:	DRAWN:	REVIEWED:	DATE:

PHASE:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT	RS, KS, AK, EE	C. WHITLOCK	07/30/21
50% CONSTRUCTION DOCUMENTS	RS, KS, AK, EE	C. WHITLOCK	10/07/21
100% CONSTRUCTION DOCUMENTS	RS, KS, BG, AK, EE	C. WHITLOCK	12/09/21

Client:
Leon County R&D Authority
Tallahassee, Florida

Job Title:
North Florida Innovation Labs

Consultant:

Seal:

Project #: 21414

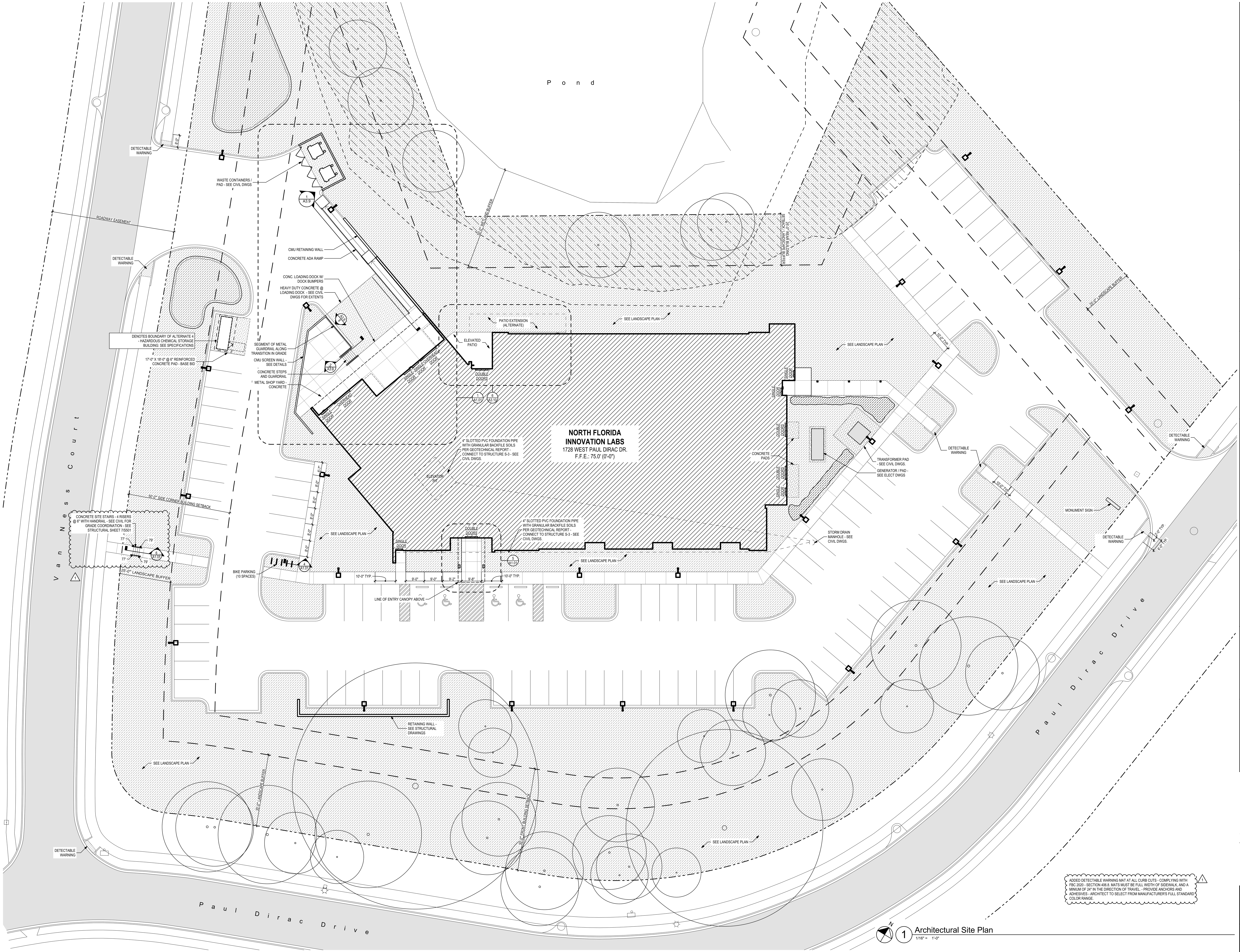
Phase: 100% Construction Documents

Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850,942.1718
www.think3d.net

Description:
Second Floor Life Safety Plan

Sheet No.:
LS1.2

BIMcloud: Lewis-BIM - BIMcloud Basic for ARCHICAD 24/21414 NFIL Teamwork DD Model|10:12 PM



1 Architectural Site Plan
1/16" = 1'-0"

PHASE:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT	RS, KS, AK, EE	C. WHITLOCK	07/30/21
50% CONSTRUCTION DOCUMENTS	RS, KS, AK, EE	C. WHITLOCK	10/07/21
100% CONSTRUCTION DOCUMENTS	RS, KS, BG, AK, EE	C. WHITLOCK	12/09/21

ID:	REVISION:	DRAWN:	REVIEWED:	DATE:
1	ADDENDUM 1	RS, KS, EE, AK, BG	C. WHITLOCK	01/10/22

Client:
Leon County R&D Authority
Tallahassee, Florida

Job Title:
North Florida Innovation Labs

Seal:

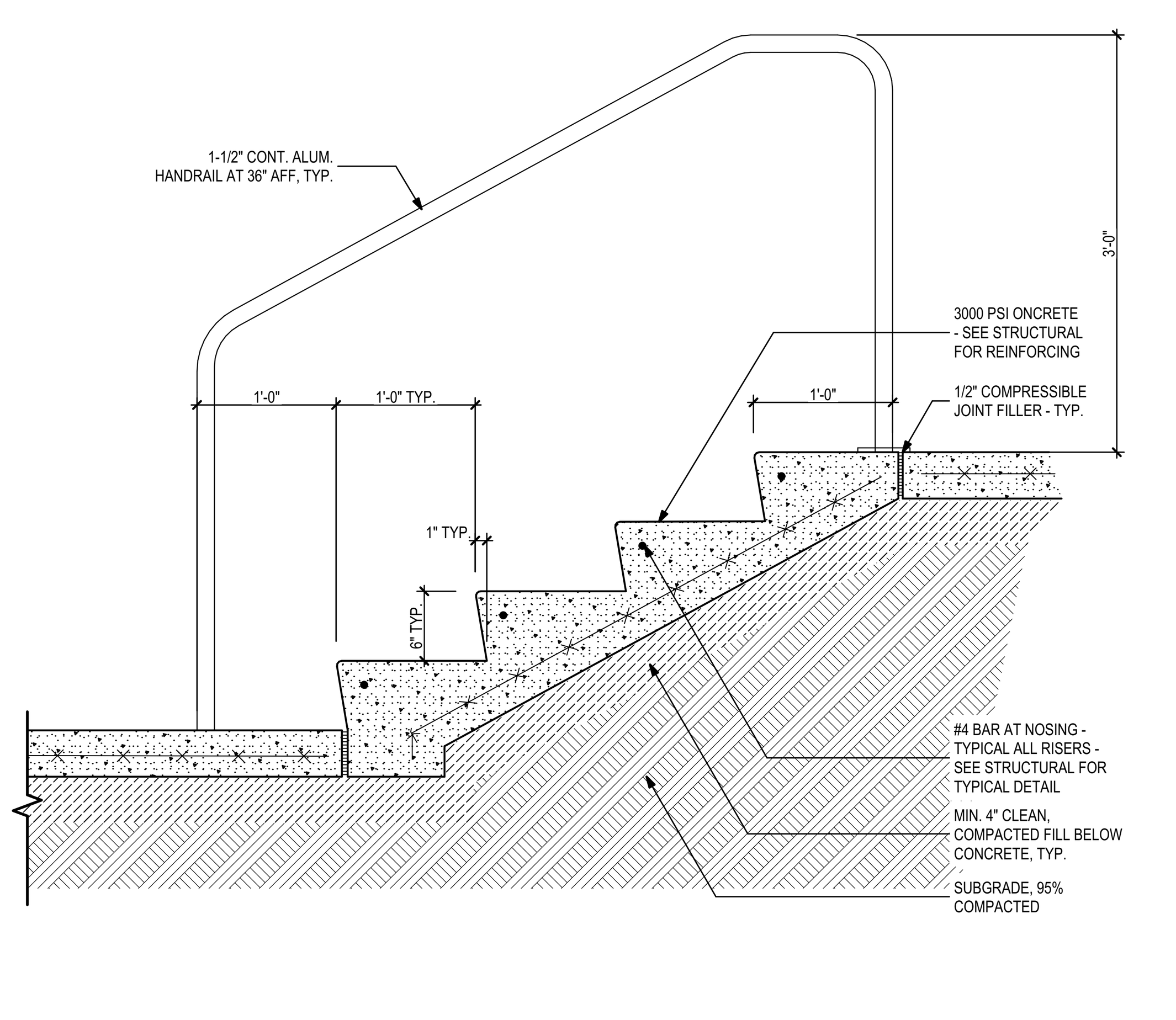
Consultant:

Project #: 21414
Phase: 100% Construction Documents

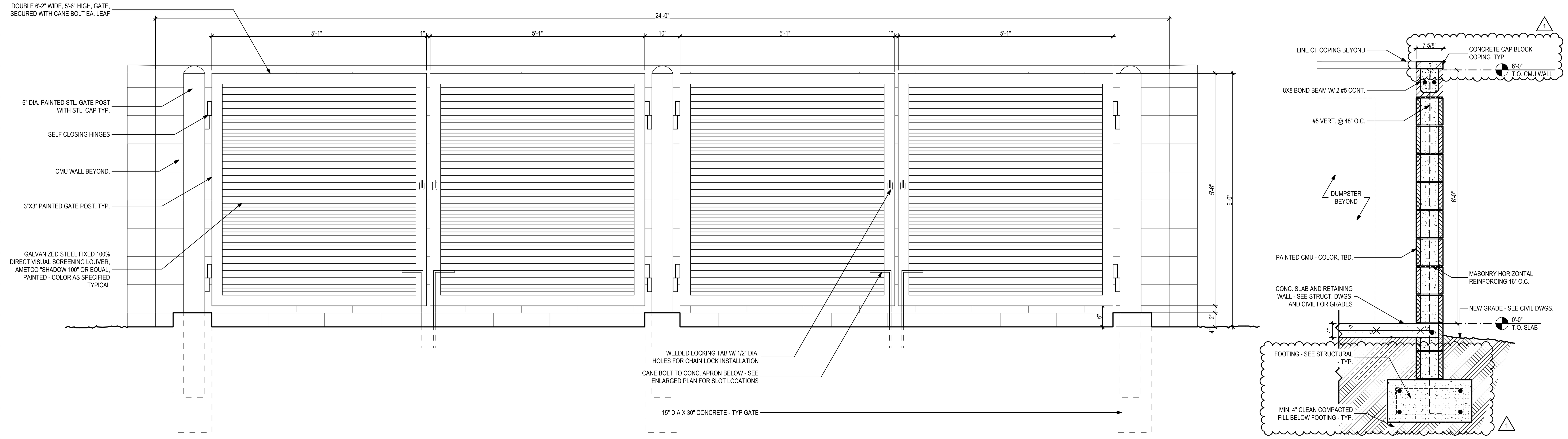
ALW
Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net

Description:
Architectural Site Plan

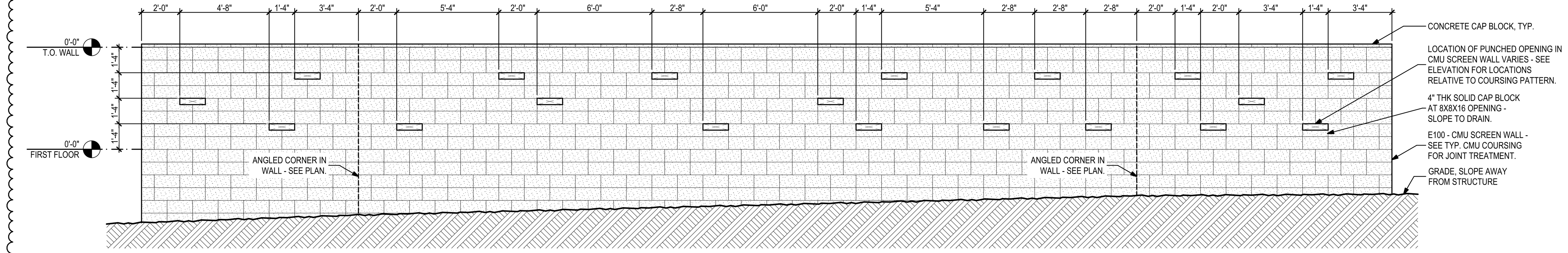
Sheet No.:
A1.0



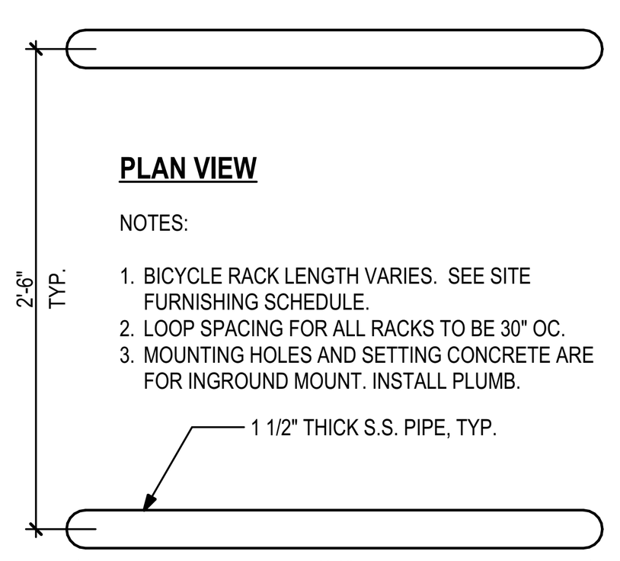
6 Site Stair Section
1" = 1'-0"



3 Dumpster Details
3/4" = 1'-0"



7 Metal Shop Yard Screen Wall Elevation
1/4" = 1'-0"



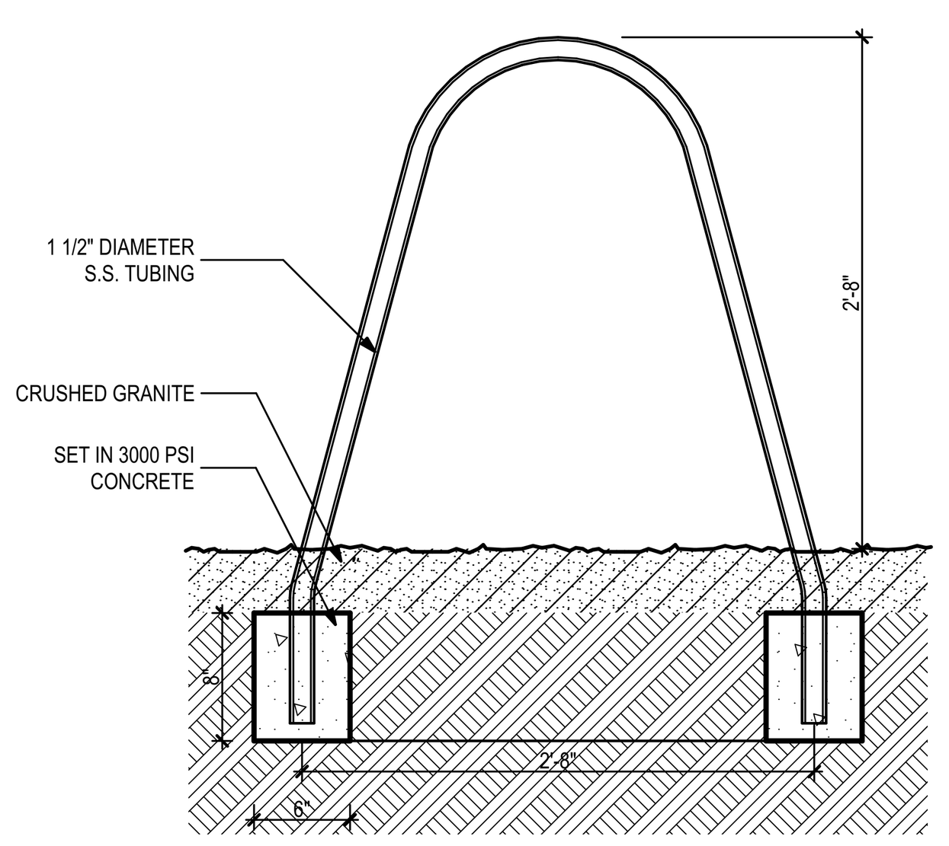
PLAN VIEW

NOTES:

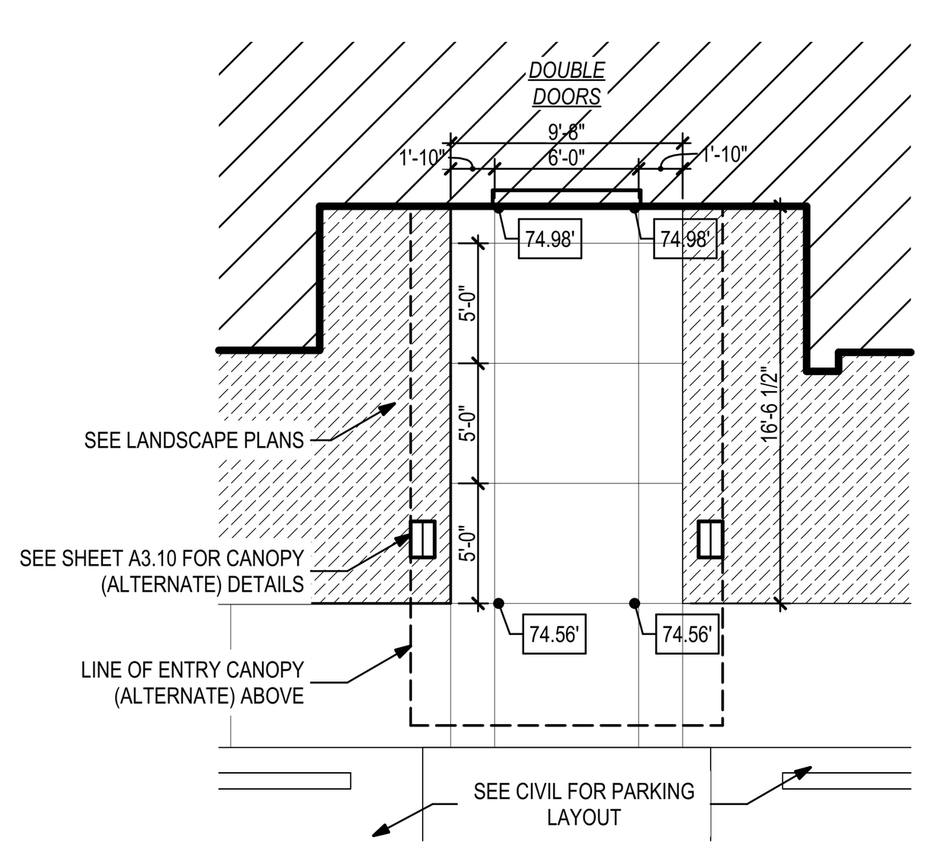
1. BICYCLE RACK LENGTH VARIES. SEE SITE FURNISHING SCHEDULE.
2. LOOP SPACING FOR ALL RACKS TO BE 30" OC.
3. MOUNTING HOLES AND SETTING CONCRETE ARE FOR INGROUND MOUNT. INSTALL PLUMB.

1 1/2" THICK S.S. PIPE, TYP.

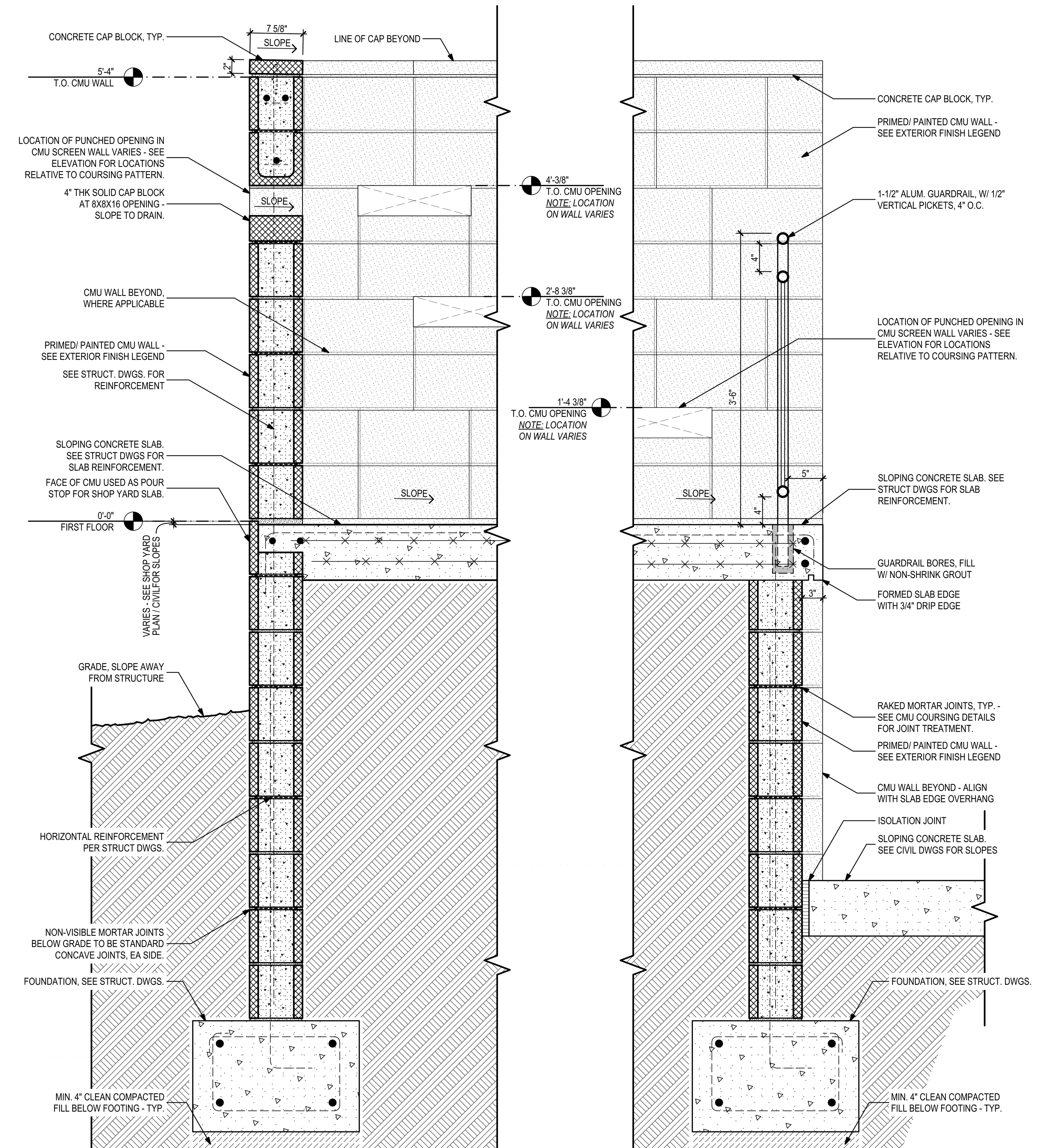
BICYCLE RACK SCHEDULE			
# OF LOOPS	BIKE CAPACITY	LENGTH	# OF HOLES
5	10	120"	10



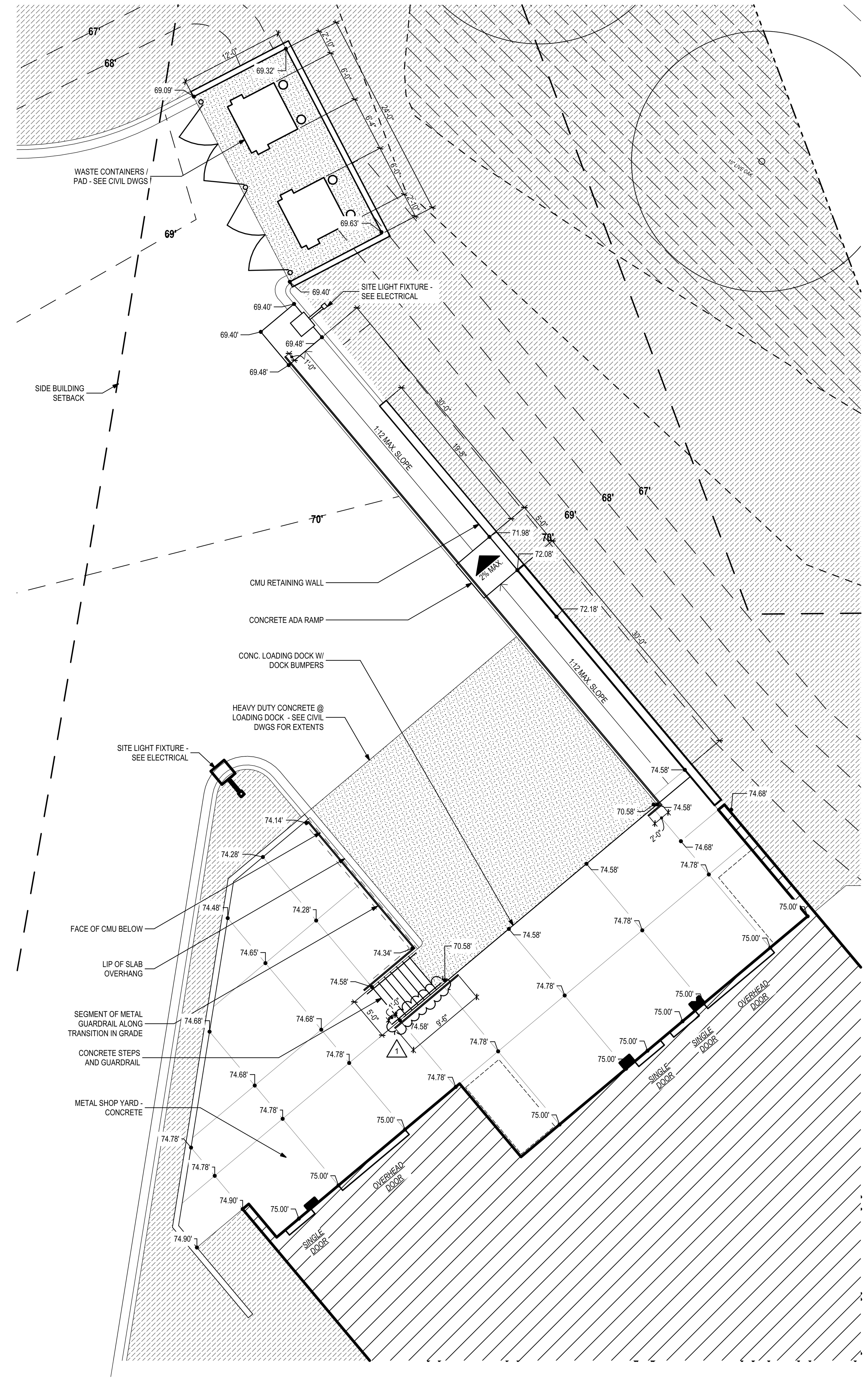
4 Bike Rack Detail
1" = 1'-0"



5 Enlarged Site Plan - South Entry
1/8" = 1'-0"



2 Shop Yard - Screen Wall Section
1" = 1'-0"



1 Enlarged Site Plan - Loading Dock
1/8" = 1'-0"

ID:	REVISION:	DRAWN:	REVIEWED:	DATE:
1	ADDENDUM 1	RS, KS, EE, AK, BG	C. WHITLOCK	01/10/22

PHASE:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT	RS, KS, AK, EE	C. WHITLOCK	07/26/21
50% CONSTRUCTION DOCUMENTS	RS, KS, AK, EE	C. WHITLOCK	10/07/21
100% CONSTRUCTION DOCUMENTS	RS, KS, BG, AK, EE	C. WHITLOCK	12/09/21

Client:
Leon County R&D Authority
Tallahassee, Florida

Job Title:
North Florida Innovation Labs

Seal:

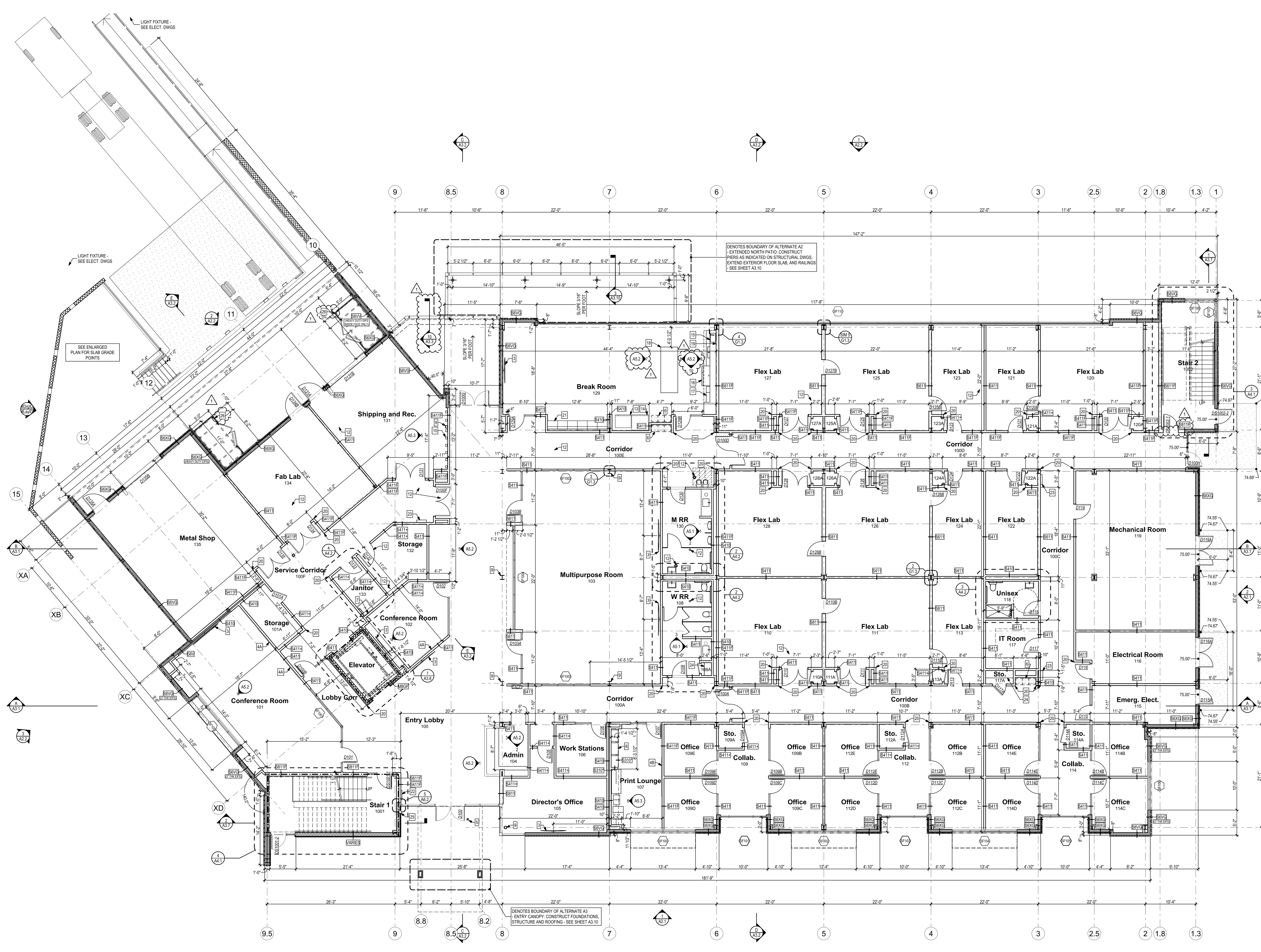
Consultant:

Project #: 21414
Phase: 100% Construction Documents

ALW
Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net

Description:
Enlarged Site Plan, Site Accessories and Details

Sheet No.:
A1.01



1 First Floor Plan
1/8" = 1'-0"

Construction Notes

'X' REPRESENTS NOTE ON PLANS

1. CONCRETE FLOORS TO BE POLISHED PRIOR TO PLACEMENT OF LT. GA. METAL FRAMED PARTITIONS. EXECUTE SLAB CONTROL JOINTS WITH CARE. PROTECT POLISHED CONCRETE FLOORS FROM CONSTRUCTION DAMAGE.
2. EXPOSED STEEL COLUMN WITH 2-HOUR INTUMESCENT FIRE PROTECTION. FINISH TOP COAT PER FINISH SCHEDULE
3. WALL-MOUNTED DIGITAL DISPLAY - OWNER PROVIDED. CONTRACTOR TO PROVIDE FIRE TREATED WOOD BLOCKING FOR SUPPORT AT LOCATIONS IDENTIFIED ON PLANS. COORDINATE LOCATIONS WITH ELECTRICAL/DATA DWGS AND OWNER PROVIDED CUT-SHEETS FOR DISPLAY MOUNTS.
4. WHITEBOARD BOD: CLARIDGE GLASS BOARD, STAND-OFF EDGE MOUNT, COLOR TO BE SELECTED BY ARCHITECT FROM MFR'S STANDARD RANGE.
   4a: 48"h x 72"w
   4b: 48"h x 84"w
   4c: 36"h x 48"w
5. AUTOMATIC DOOR OPENER PEDESTAL - SEE SPECIFICATIONS FOR BASIS OF DESIGN.
6. 3-COMPARTMENT TRASH AND RECYCLING CONTAINERS - BY OWNER.
7. MOP / FLOOR SINK 30" X 30" WITH MOP BRACKET - SEE PLUMBING PLANS FOR BASIS OF DESIGN PRODUCTS.
8. RECESSED ALUMINUM MAILBOXES - SEE INTERIOR ELEVATIONS FOR LAYOUT, SIZE, MAILBOX QUANTITY, AND FINISH.
   UNIT 1 BASIS OF DESIGN: SALISBURY INDUSTRIES 4C MODEL #3716D-20
   UNIT 2 BASIS OF DESIGN: SALISBURY INDUSTRIES CUSTOM 4C MODEL.
9. EXPOSED STEEL COLUMN - PAINTED. SEE LIFE SAFETY PLAN FOR LOCATIONS WHERE COLUMNS ARE TO RECIEVE INTUMESCENT COATING.
10. INTERIOR WALL MOUNTED BIKE RACKS - BASIS OF DESIGN: BIKESOLUTIONS - 6@ MINI-MUM VERTICAL BIKE HANGER WITH LOCKABLE CABLE, BLACK OXIDE MOUNTING HARDWARE. 2@ THE FATTY FOR FAT BIKES BIKE HANGER WITH LOCKABLE CABLE, BLACK OXIDE MOUNTING HARDWARE. SEE INTERIOR ELEVATIONS FOR SPACING
11. FLOOR DRAIN - SEE PLUMB DWGS. SET DRAIN COVER FLUSH WITH FINISH FLOOR.
12. FLOOR CLEANOUT - SEE PLUMBING DWGS. SET COVER FLUSH WITH FINISH FLOOR.
13. DRINK VENDING - OWNER PROVIDED
14. DRY SNACK VENDING - OWNER PROVIDED
15. MICROWAVE - OWNER PROVIDED
16. REFRIGERATOR - OWNER PROVIDED
17. COFFEE MAKER - OWNER PROVIDED
18. ISLAND COUNTERTOP AND SEATING - SEE INTERIOR ELEVATIONS.
19. PROVIDE RATED JUNCTION BOXES WITH RATED PENETRATIONS FOR ALL LOCATIONS WITHIN FIRE RATED ASSEMBLIES - SEE LIFE SAFETY PLAN.
20. CORNER GUARD - SEE SPECIFICATIONS
21. BUILT-IN BOOTH SEATING - SEE INTERIOR ELEVATIONS
22. SEMI-RECESSED CABINET AND FIRE EXTINGUISHER - *1-HR FIRE-RATED*, - SEE SPECIFICATIONS
23. SEMI-RECESSED CABINET AND FIRE EXTINGUISHER - SEE SPECIFICATIONS
24. CLOSET SHELVING. SEE MILLWORK ELEVATIONS: B11/A5.4
25. KNOXBOX - MODEL 3200 (KNOXBOX.COM OR APPROVED EQUAL) RECESSED WITH UL LISTED TAMPER ALERT SEAL & 1/2" HINGED DOOR W/ STAINLESS STEEL HINGE, 1/4" STEEL HOUSING, WEATHER RESISTANT FINISH.
26. VINYL-COATED CHAIN LINK FENCED AND COVERED CAGE. CONSTRUCT 5'X10'X10' HIGH. INCLUDE GALVANIZED FRAME EMBEDDED IN CONC. DECK, WITH GATE.

PHASE:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT	RS, KS, AK, EE	C. WHITLOCK	07/30/21
50% CONSTRUCTION DOCUMENTS	RS, KS, AK, EE	C. WHITLOCK	10/07/21
100% CONSTRUCTION DOCUMENTS	RS, KS, BG, AK, EE	C. WHITLOCK	12/09/21

ID:	REVISION:	DRAWN:	REVIEWED:	DATE:
1	ADDENDUM 1	RS, KS, EE, AK, BG	C. WHITLOCK	01/10/22

Client:
Leon County R&D Authority
Tallahassee, Florida

Job Title:
North Florida Innovation Labs

Consultant:

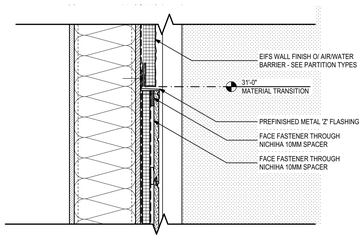
Seal:

Project #: 21414
Phase: 100% Construction Documents

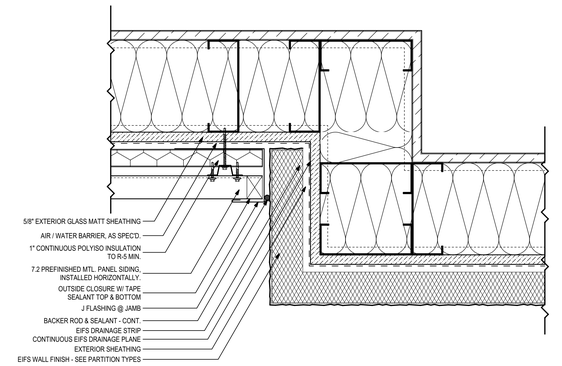
ALW
Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net

Description:
First Floor Plan

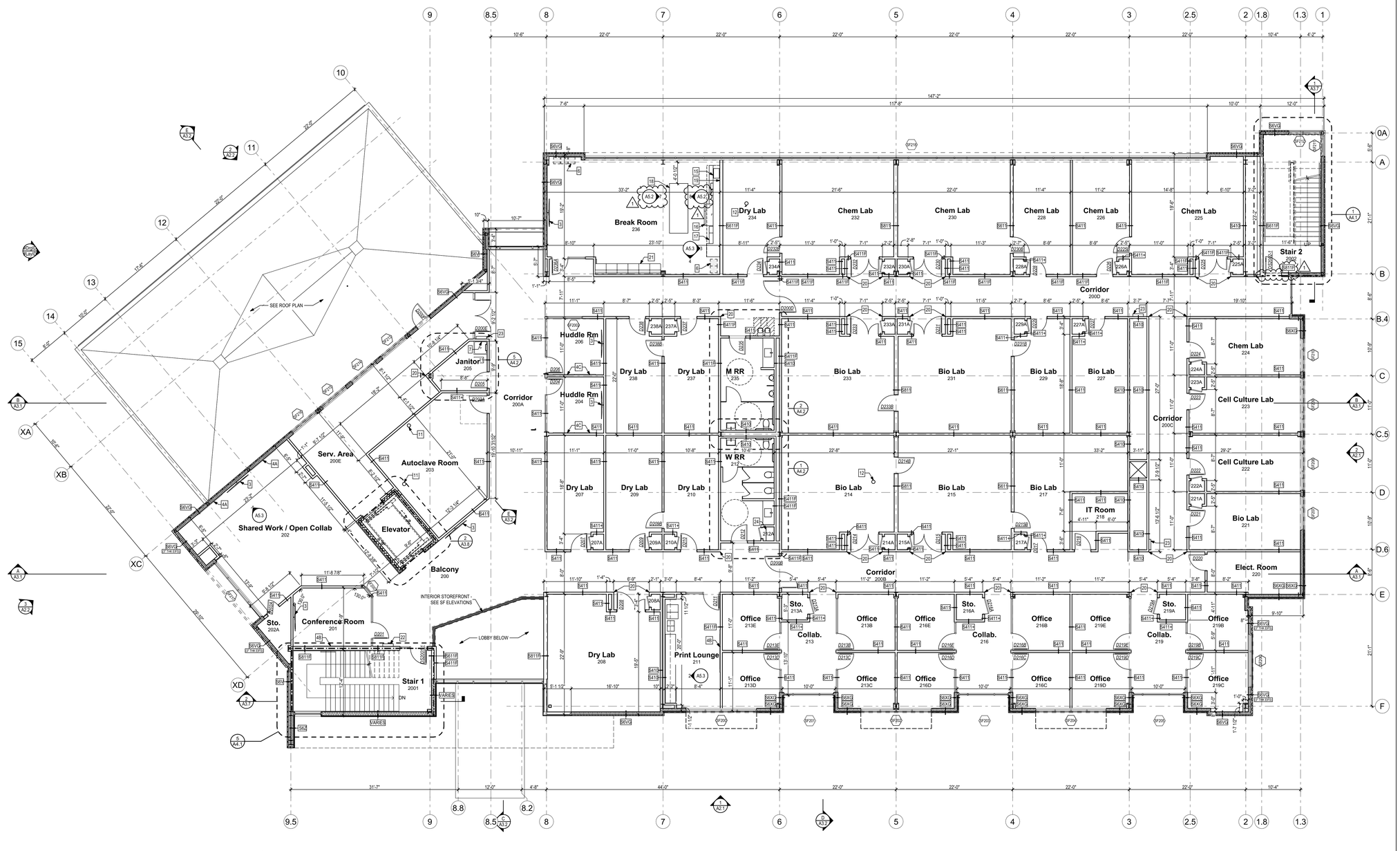
Sheet No.:
A1.1



3 EIFS at Fiber Cement Panel - Horizontal Transition
1 1/2"= 1'-0"



2 EIFS - MTL. Panel Transition
3" = 1'-0"



1 Second Floor Plan
1/8" = 1'-0"

Construction Notes

'X' REPRESENTS NOTE ON PLANS

1. CONCRETE FLOORS TO BE POLISHED PRIOR TO PLACEMENT OF LT. GA. METAL FRAMED PARTITIONS. EXECUTE SLAB CONTROL JOINTS WITH CARE. PROTECT POLISHED CONCRETE FLOORS FROM CONSTRUCTION DAMAGE.
2. EXPOSED STEEL COLUMN WITH 2-HOUR INTUMESCENT FIRE PROTECTION. FINISH TOP COAT PER FINISH SCHEDULE
3. WALL-MOUNTED DIGITAL DISPLAY - OWNER PROVIDED. CONTRACTOR TO PROVIDE FIRE TREATED WOOD BLOCKING FOR SUPPORT AT LOCATIONS IDENTIFIED ON PLANS. COORDINATE LOCATIONS WITH ELECTRICAL/DATA DWGS AND OWNER PROVIDED CUT-SHEETS FOR DISPLAY MOUNTS.
4. WHITEBOARD BOD: CLARIDGE GLASS BOARD, STAND-OFF EDGE MOUNT, COLOR TO BE SELECTED BY ARCHITECT FROM MFR'S STANDARD RANGE.
   4a: 48"h x 72"w
   4b: 48"h x 84"w
   4c: 36"h x 48"w
5. AUTOMATIC DOOR OPENER PEDESTAL - SEE SPECIFICATIONS FOR BASIS OF DESIGN.
6. 3-COMPARTMENT TRASH AND RECYCLING CONTAINERS - BY OWNER.
7. MOP / FLOOR SINK 30" X 30" WITH MOP BRACKET - SEE PLUMBING PLANS FOR BASIS OF DESIGN PRODUCTS.
8. RECESSED ALUMINUM MAILBOXES - SEE INTERIOR ELEVATIONS FOR LAYOUT, SIZE, MAILBOX QUANTITY, AND FINISH.
   UNIT 1 BASIS OF DESIGN: SALISBURY INDUSTRIES 4C MODEL #37160-20
   UNIT 2 BASIS OF DESIGN: SALISBURY INDUSTRIES CUSTOM 4C MODEL.
9. EXPOSED STEEL COLUMN - PAINTED. SEE LIFE SAFETY PLAN FOR LOCATIONS WHERE COLUMNS ARE TO RECIEVE INTUMESCENT COATING.
10. INTERIOR WALL MOUNTED BIKE RACKS - BASIS OF DESIGN: BIKESOLUTIONS - 6@ MINI-MUM VERTICAL BIKE HANGER WITH LOCKABLE CABLE, BLACK OXIDE MOUNTING HARDWARE. 2@ THE FATTY FOR FAT BIKES BIKE HANGER WITH LOCKABLE CABLE, BLACK OXIDE MOUNTING HARDWARE. SEE INTERIOR ELEVATIONS FOR SPACING
11. FLOOR DRAIN - SEE PLUMB DWGS. SET DRAIN COVER FLUSH WITH FINISH FLOOR.
12. FLOOR CLEANOUT - SEE PLUMBING DWGS. SET COVER FLUSH WITH FINISH FLOOR.
13. DRINK VENDING - OWNER PROVIDED
14. DRY SNACK VENDING - OWNER PROVIDED
15. MICROWAVE - OWNER PROVIDED
16. REFRIGERATOR - OWNER PROVIDED
17. COFFEE MAKER - OWNER PROVIDED
18. ISLAND COUNTERTOP AND SEATING - SEE INTERIOR ELEVATIONS.
19. PROVIDE RATED JUNCTION BOXES WITH RATED PENETRATIONS FOR ALL LOCATIONS WITHIN FIRE RATED ASSEMBLIES - SEE LIFE SAFETY PLAN.
20. CORNER GUARD - SEE SPECIFICATIONS
21. BUILT-IN BOOTH SEATING - SEE INTERIOR ELEVATIONS
22. SEMI-RECESSED CABINET AND FIRE EXTINGUISHER - *1-HR FIRE-RATED*, - SEE SPECIFICATIONS
23. SEMI-RECESSED CABINET AND FIRE EXTINGUISHER - SEE SPECIFICATIONS
24. CLOSET SHELVING. SEE MILLWORK ELEVATIONS: B11/A5.4
25. KNOXBOX - MODEL 3200 (KNOXBOX.COM OR APPROVED EQUAL) RECESSED WITH UL LISTED TAMPER ALERT SEAL & 1/2" HINGED DOOR W/ STAINLESS STEEL HINGE, 1/4" STEEL HOUSING, WEATHER RESISTANT FINISH.
26. VINYL-COATED CHAIN LINK FENCED AND COVERED CAGE. CONSTRUCT 5'X10'X10' HIGH. INCLUDE GALVANIZED FRAME EMBEDDED IN CONC. DECK, WITH GATE.

PHASE:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT	RS, KS, AK, EE	C. WHITLOCK	07/30/21
50% CONSTRUCTION DOCUMENTS	RS, KS, AK, EE	C. WHITLOCK	10/07/21
100% CONSTRUCTION DOCUMENTS	RS, KS, BG, AK, EE	C. WHITLOCK	12/29/21

ID:	REVISION:	DRAWN:	REVIEWED:	DATE:
1	ADDENDUM 1	RS, KS, EE, AK, BG	C. WHITLOCK	01/10/22

Client: Leon County R&D Authority
Tallahassee, Florida

Job Title: North Florida Innovation Labs

Consultant:

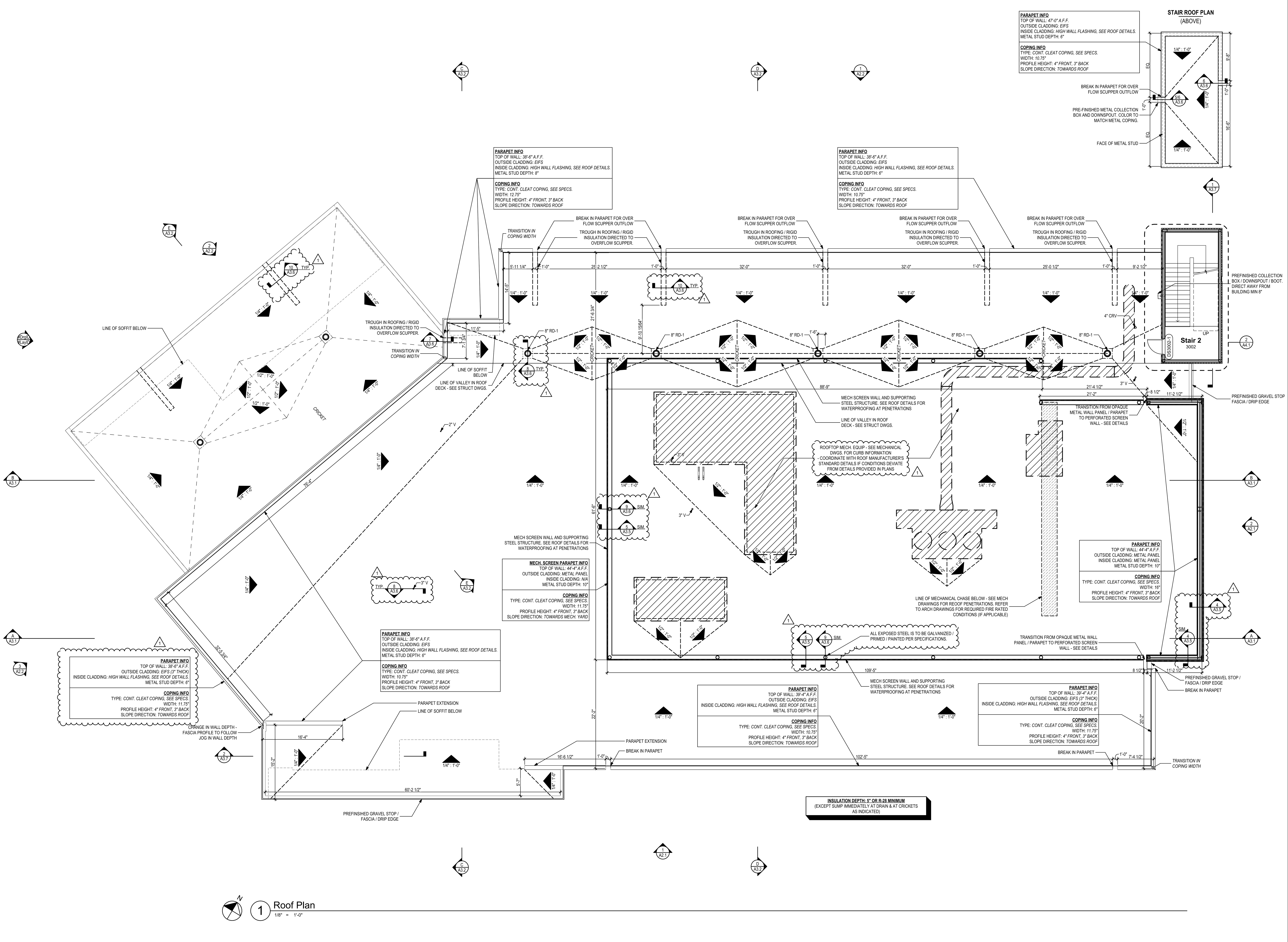
Seal:

Project #: 21414
Phase: 100% Construction Documents

ALW
Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net

Description: **Second Floor Plan**

Sheet No.: **A1.2**



1 Roof Plan
1/8" = 1'-0"

PHASE:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT	RS, KS, AK, EE	C. WHITLOCK	07/30/21
50% CONSTRUCTION DOCUMENTS	RS, KS, AK, EE	C. WHITLOCK	10/07/21
100% CONSTRUCTION DOCUMENTS	RS, KS, BG, AK, EE	C. WHITLOCK	12/09/21

ID:	REVISION:	DRAWN:	REVIEWED:	DATE:
1	ADDENDUM 1	RS, KS, EE, AK, BG	C. WHITLOCK	01/10/22

Seal:

Consultant:

Client:
Leon County R&D Authority
Tallahassee, Florida

Job Title:
North Florida Innovation Labs

Project #: 21414
Phase: 100% Construction Documents

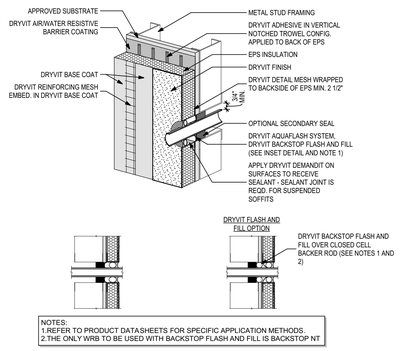
Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net

Description:
Roof Plan

Sheet No.:
A1.3

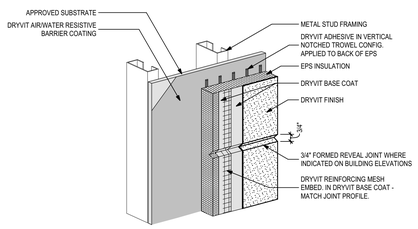
Exterior Finish Legend

LEGEND	NAME	DESCRIPTION
	E100	**CMU** *COLOR: TBD, SEE SPECS FOR PAINT AND PRIMER TYPE / APPLICATION INFO.*
	E101	**EXPOSED ARCHITECTURAL CONCRETE** *PROVIDE UNIFORM, SMOOTH CONCRETE SURFACE. MINIMUM FORM JOINT SPACING 4'-0" EAWAY. PROVIDE UNIFORM SNAP-TIE PATTERN. SNAP-TIE HOLES ARE TO REMAIN EXPOSED AFTER FORM REMOVAL. NOTE: WALLS GREATER THAN 3' IN TOTAL HEIGHT AND LEFT EXPOSED SHALL RECEIVE 'WR MEADOWS INTRAGUARD SEALER'*
	E200	**EIFS SYSTEMS - COLOR A** *COLOR: DRYVIT #132 MOUNTAIN FOG, SEE SPECIFICATIONS. FINISH: SANDPEBBLE FINE. CONTRACTOR TO SUBMIT SAMPLE FOR ARCHITECT'S APPROVAL*
	E201	**EIFS SYSTEMS - COLOR B** *COLOR: DRYVIT #615A TATTLETALE. FINISH: SANDPEBBLE FINE. CONTRACTOR TO SUBMIT SAMPLE FOR ARCHITECT'S APPROVAL*
	E300	**METAL WALL PANEL - TYPE A** *BASIS OF DESIGN: ATAS BELVEDERE 7.2" RIB COLOR: SLATE GREY*
	E301	*RESERVED*
	E302	**METAL WALL PANEL - TYPE C** *BASIS OF DESIGN: ATAS BELVEDERE 7.2" RIB COLOR: SLATE GREY - PERFORATED 25%*
	E303	*RESERVED*
	E304	**METAL COPING / DRIP EDGE / ASSORT BRAKE METAL** *PRE-FINISHED COLOR: SEE ELEVATION TO MATCH ADJACENT*
	E305	**STOREFRONT SYSTEM** *COLOR/FINISH: DARK BRONZE ANODIZED*
	E306	**CURTAIN WALL SYSTEM** *COLOR/FINISH: DARK BRONZE ANODIZED*
	E307	**EXTERIOR HANDRAIL / GUARDRAIL** *SW7019 GAUNTLET GRAY, SEE SPECS FOR APPLICATION INFO.*
	E400	**FIBER CEMENT PANEL** *BASIS OF DESIGN: NICHIHA VINTAGEWOOD COLOR: CEDAR WOOD GRAIN*
	E500	**EXPOSED METALS PAINT COLOR** *COLOR: PAINT SW7019 GAUNTLET GRAY, SEE SPECS FOR APPLICATION INFO.*



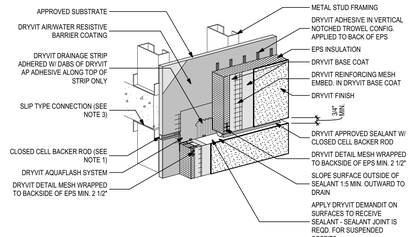
NOTES:
1.REFER TO PRODUCT DATASHEETS FOR SPECIFIC APPLICATION METHODS.
2.THE ONLY WRB TO BE USED WITH BACKSTOP FLASH AND FILL IS BACKSTOP NT

6 Typical EIFS Penetrations
NOT TO SCALE

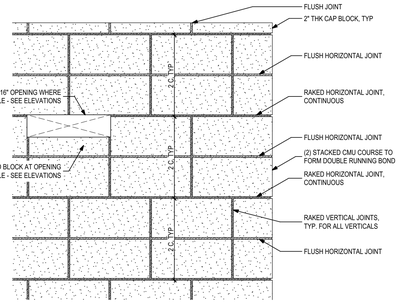


5 Typ. EIFS Reveal Joint
NOT TO SCALE

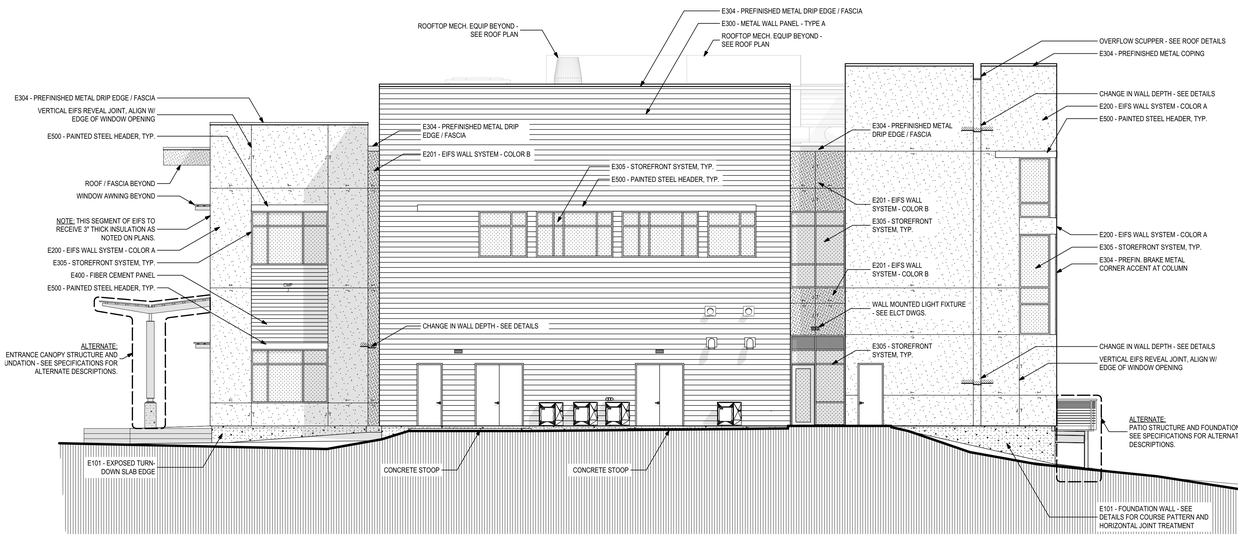
NOTES:
1.LOCATE EXTERNAL SEALANT JOINT WITHIN 2" OF BREAK IN SHEATHING.
2.EXPANSION JOINT IN THE OUTSULATION PLUS MD SYSTEM IS NECESSARY WHERE SIGNIFICANT DIFFERENTIAL MOVEMENT IS EXPECTED AT FLOOR LINES.
3.FOR STEEL FRAMED CONSTRUCTION: EXPANSION JOINT IS INTENDED TO ACCOMODATE MOVEMENT AT SLIP CONNECTION.



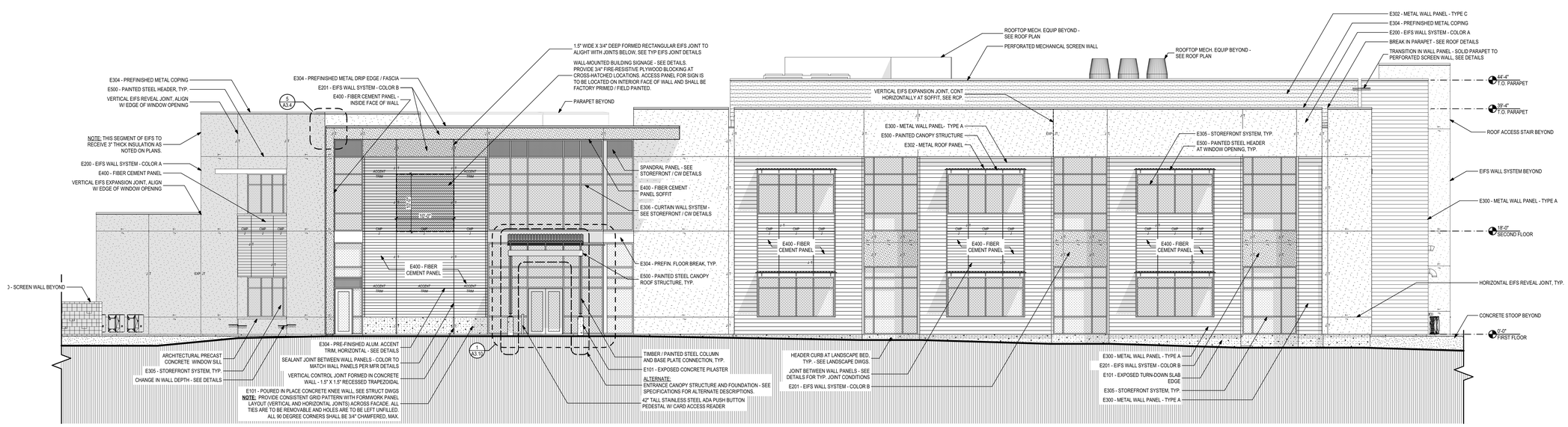
4 Typ. EIFS Horizontal Slip Joint w/o Weeps
NOT TO SCALE



3 Typ. CMU Wall Coursing
1" = 1'-0"



2 East Elevation
1/8" = 1'-0"



1 South Elevation
1/8" = 1'-0"

BIMcloud: Lewis-BIM - BIMcloud Basic for ARCHICAD 24/21414 NFIL_Teamwork DD Model10:12 PM

PHASE:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT	RS, KS, AK, EE	C. WHITLOCK	07/30/21
50% CONSTRUCTION DOCUMENTS	RS, KS, AK, EE	C. WHITLOCK	10/07/21
100% CONSTRUCTION DOCUMENTS	RS, KS, BG, AK, EE	C. WHITLOCK	12/29/21

ID:	REVISION:	DATE:	DRAWN:	REVIEWED:
1	ADDENDUM 1	01/10/22	RS, KS, EE, AK, BG	C. WHITLOCK

Client: Leon County R&D Authority
Tallahassee, Florida

Job Title: North Florida Innovation Labs

Consultant:

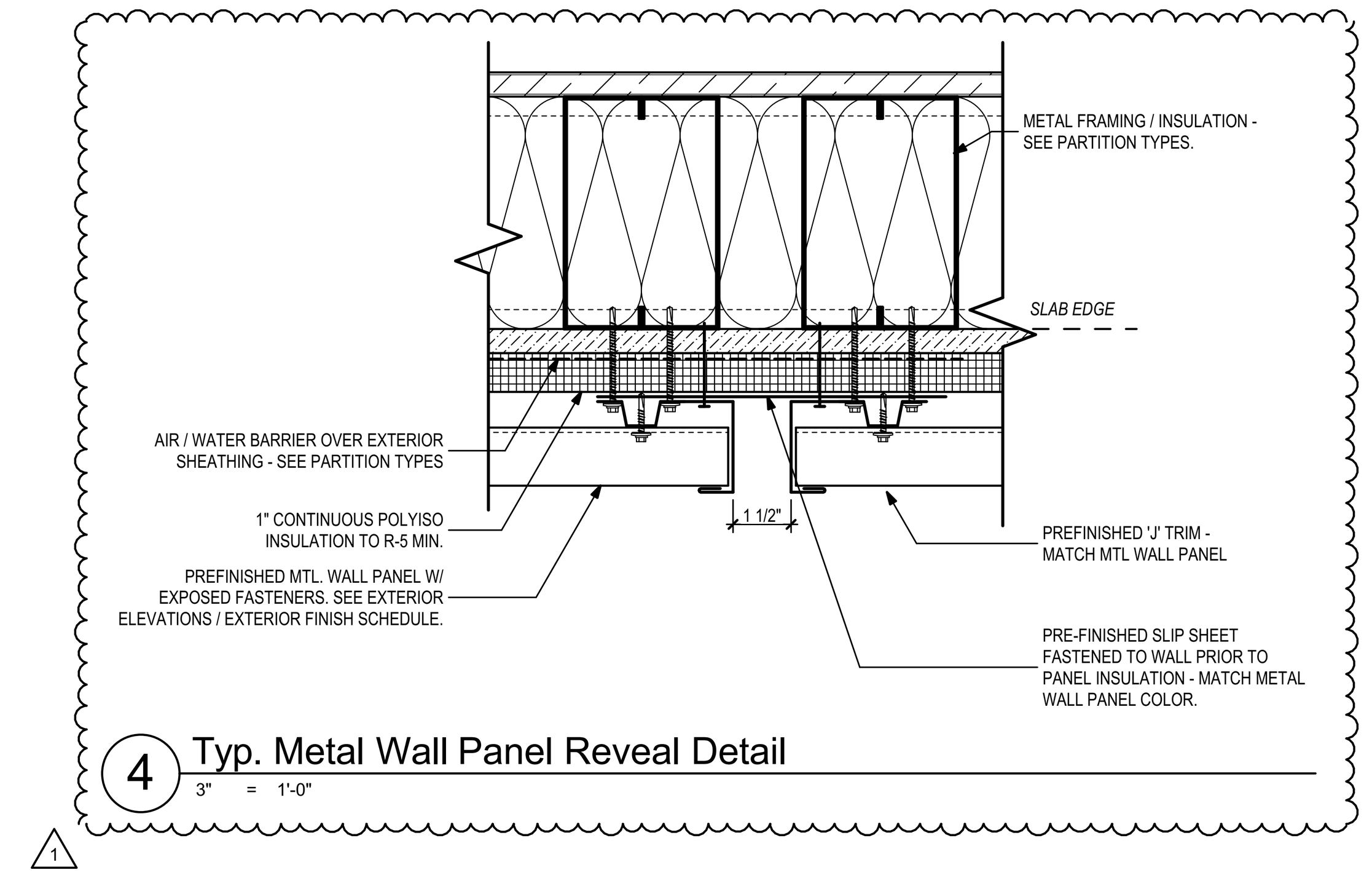
Seal:

Project #: 21414
Phase: 100% Construction Documents

Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net

Description:
Exterior Building Elevations

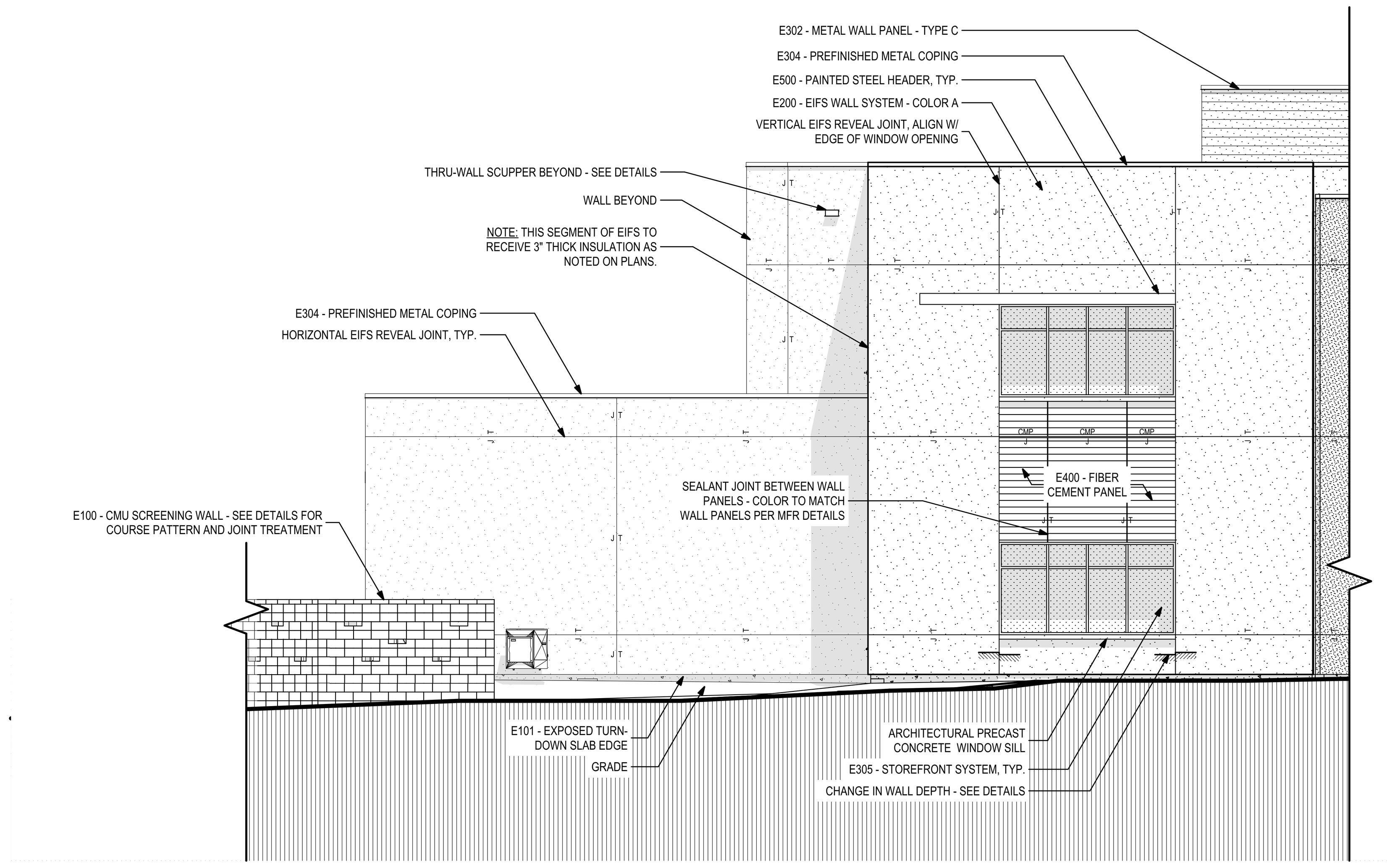
Sheet No.:
A2.1



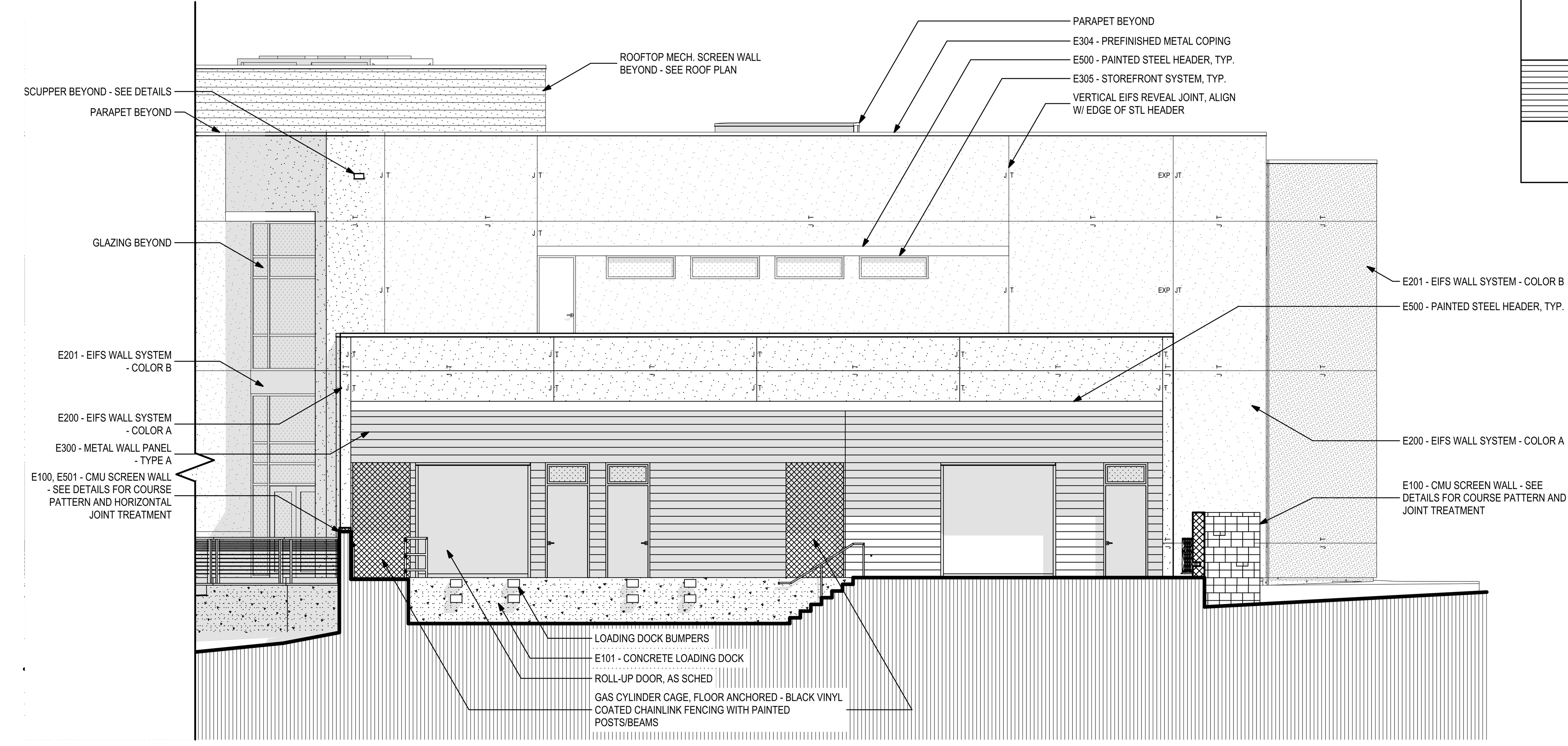
4 Typ. Metal Wall Panel Reveal Detail
3" = 1'-0"

Exterior Finish Legend

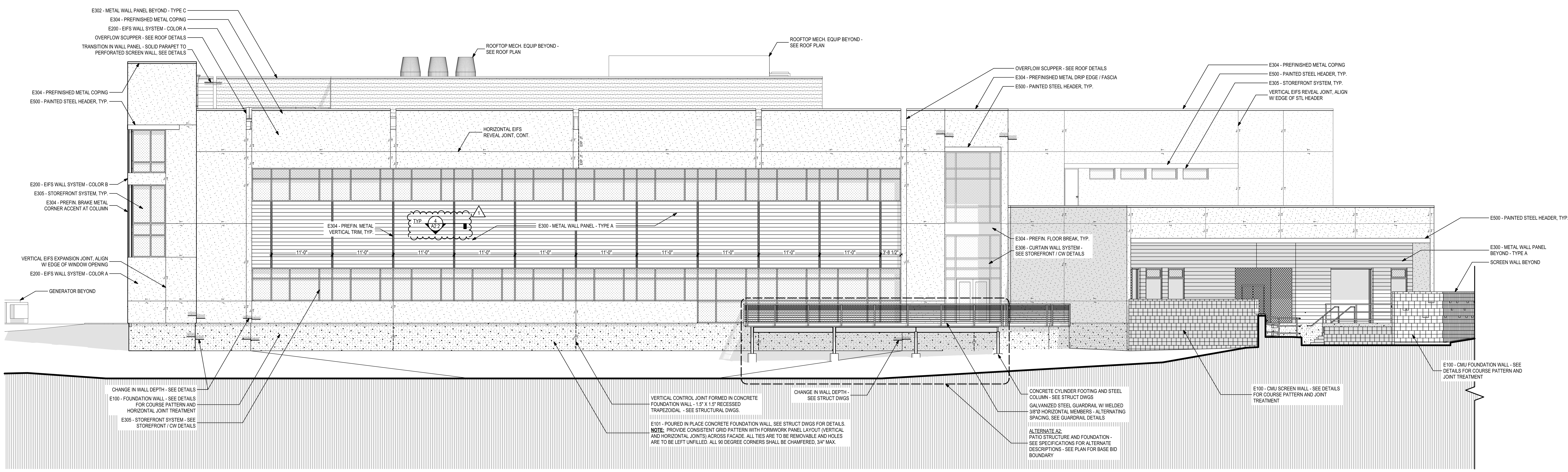
LEGEND	NAME	DESCRIPTION
	E100	**CMU** *COLOR: TBD, SEE SPECS FOR PAINT AND PRIMER TYPE / APPLICATION INFO.*
	E101	**EXPOSED ARCHITECTURAL CONCRETE** *PROVIDE UNIFORM, SMOOTH CONCRETE SURFACE. MINIMUM FORM JOINT SPACING 4'-0" EA/WAY. PROVIDE UNIFORM SNAP-TIE PATTERN. SNAP-TIE HOLES ARE TO REMAIN EXPOSED AFTER FORM REMOVAL. NOTE: WALLS GREATER THAN 3' IN TOTAL HEIGHT AND LEFT EXPOSED SHALL RECEIVE 'WR MEADOWS INTRAGUARD SEALER'.*
	E200	**EIFS SYSTEMS - COLOR A** *COLOR: DRYVIT #132 MOUNTAIN FOG, SEE SPECIFICATIONS. FINISH: SANDPEBBLE FINE, CONTRACTOR TO SUBMIT SAMPLE FOR ARCHITECT'S APPROVAL*
	E201	**EIFS SYSTEMS - COLOR B** *COLOR: DRYVIT #615A TATTLETALE FINISH: SANDPEBBLE FINE, CONTRACTOR TO SUBMIT SAMPLE FOR ARCHITECT'S APPROVAL*
	E300	**METAL WALL PANEL - TYPE A** *BASIS OF DESIGN: ATAS BELVEDERE 7.2" RIB COLOR: SLATE GREY*
	E301	*R E S E R V E D*
	E302	**METAL WALL PANEL - TYPE C** *BASIS OF DESIGN: ATAS BELVEDERE 7.2" RIB COLOR: SLATE GREY - PERFORATED 25%*
	E303	*R E S E R V E D*
	E304	**METAL COPING / DRIP EDGE / ASSORT BRAKE METAL** *PRE-FINISHED COLOR: SEE ELEVATION TO MATCH ADJACENT*
	E305	**STOREFRONT SYSTEM** *COLOR/FINISH: DARK BRONZE ANODIZED*
	E306	**CURTAIN WALL SYSTEM** *COLOR/FINISH: DARK BRONZE ANODIZED*
	E307	**EXTERIOR HANDRAIL / GUARDRAIL** *SW7019 GAUNTLET GRAY, SEE SPECS FOR APPLICATION INFO.*
	E400	**FIBER CEMENT PANEL** *BASIS OF DESIGN: NICHIHA VINTAGEWOOD COLOR: CEDAR WOOD GRAIN*
	E500	**EXPOSED METALS PAINT COLOR** *COLOR: PAINT SW7019 GAUNTLET GRAY, SEE SPECS FOR APPLICATION INFO.*



3 Southwest Elevation
1/8" = 1'-0"



2 Loading Dock Elevation
1/8" = 1'-0"



1 North Elevation
1/8" = 1'-0"

ID:	REVISION:	DRAWN:	REVIEWED:	DATE:
1	ADDENDUM 1	RS, KS, EE, AK, BG	C. WHITLOCK	01/10/22

PHASE:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT	RS, KS, AK, EE	C. WHITLOCK	07/30/21
50% CONSTRUCTION DOCUMENTS	RS, KS, AK, EE	C. WHITLOCK	10/07/21
100% CONSTRUCTION DOCUMENTS	RS, KS, BG, AK, EE	C. WHITLOCK	12/09/21

Seal:

Consultant:

Client:
Leon County R&D Authority
Tallahassee, Florida

Job Title:
North Florida Innovation Labs

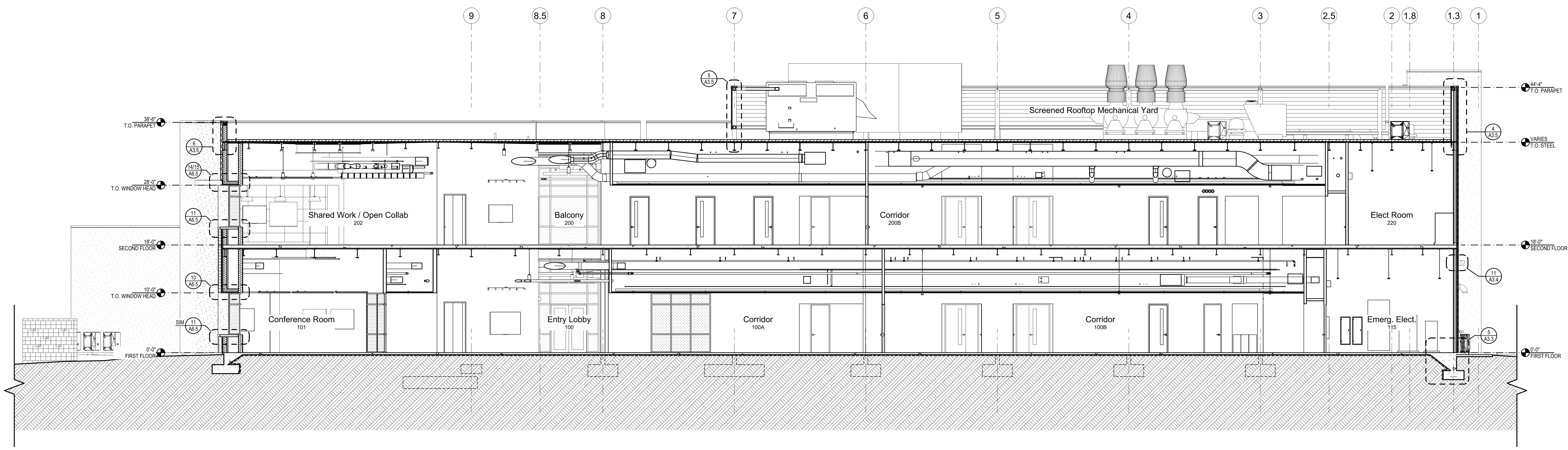
Project #: **21414**
Phase: **100% Construction Documents**

ALW

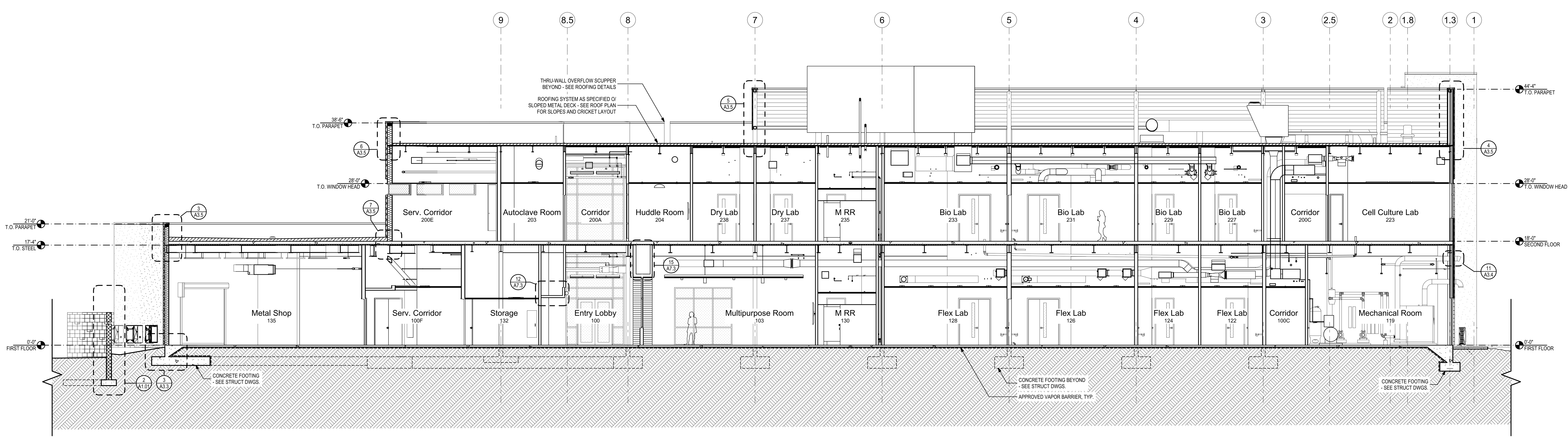
Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net

Description:
Exterior Building Elevations

Sheet No.:
A2.2



A Building Section
1/8" = 1'-0"



B Building Section
1/8" = 1'-0"

PHASE:	DRAWN:	REVIEWED:	DATE:	ID:	REVISION:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT	RS, KS, AK, EE	C. WHITLOCK	07/30/21					
50% CONSTRUCTION DOCUMENTS	RS, KS, AK, EE	C. WHITLOCK	10/07/21					
100% CONSTRUCTION DOCUMENTS	RS, KS, BG, AK, EE	C. WHITLOCK	12/09/21					

Client:
Leon County R&D Authority
Tallahassee, Florida

Job Title:
North Florida Innovation Labs

Seal:

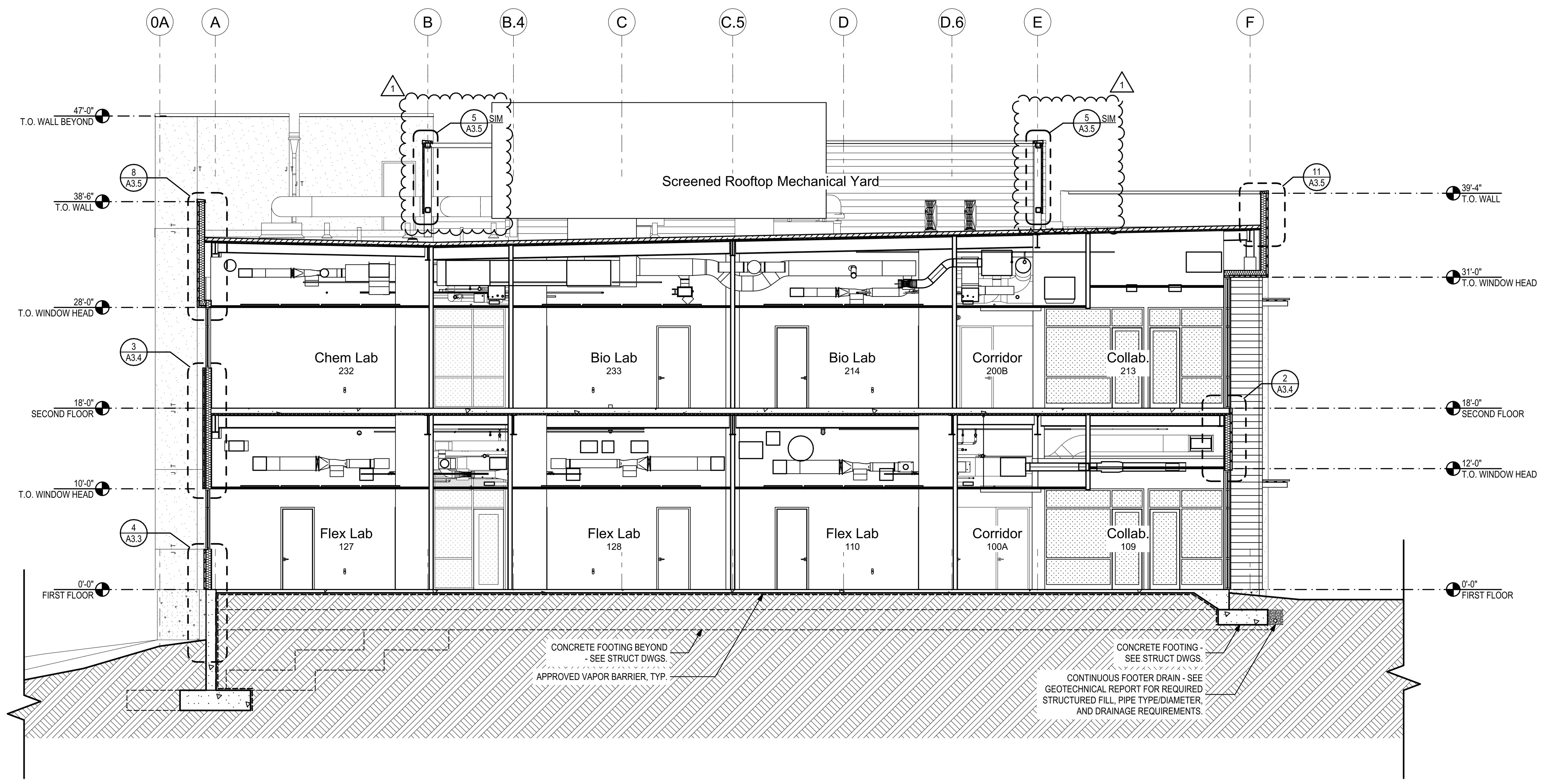
Consultant:

Project #: 21414
Phase: 100% Construction Documents

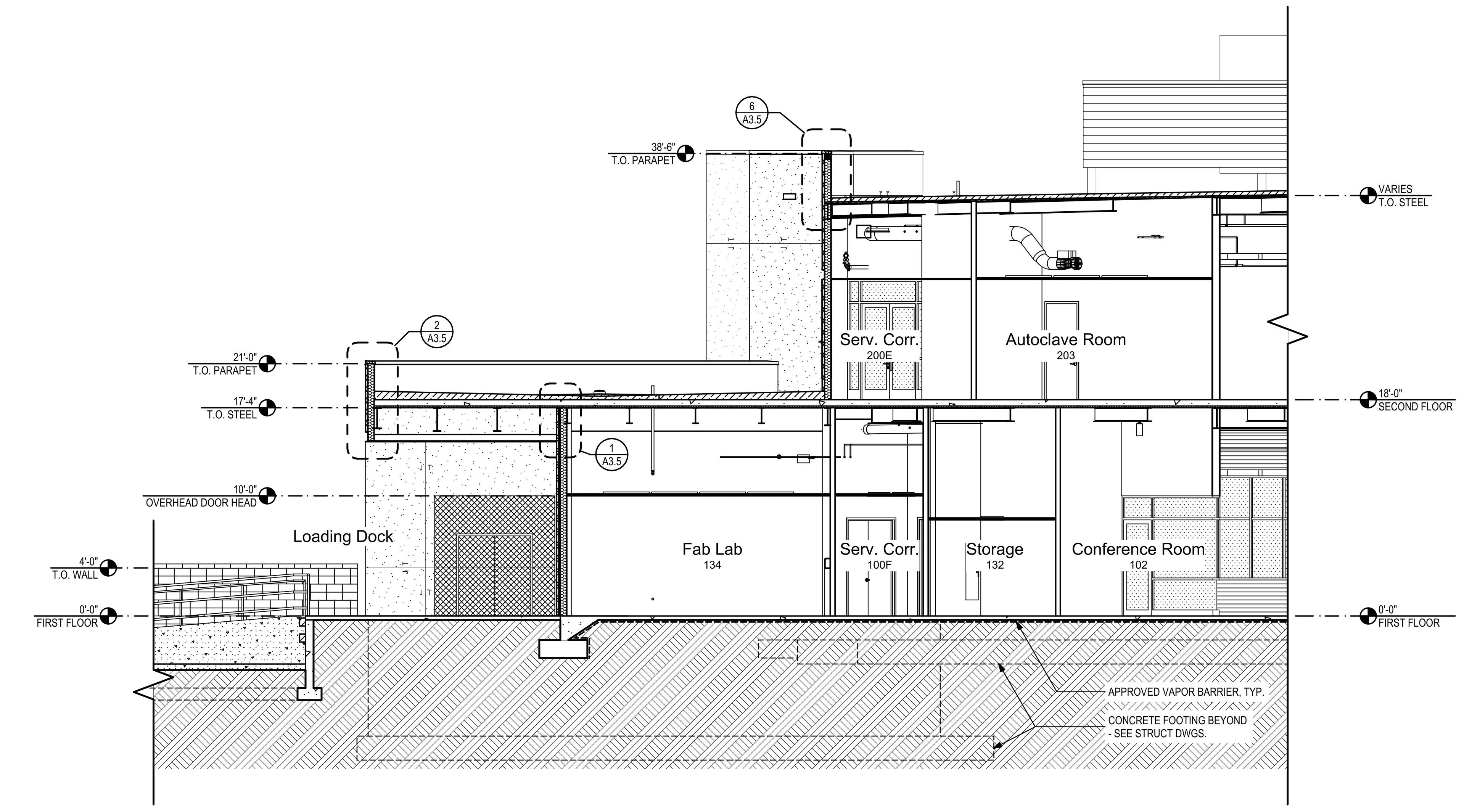
ALW
Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net

Description:
Building Sections

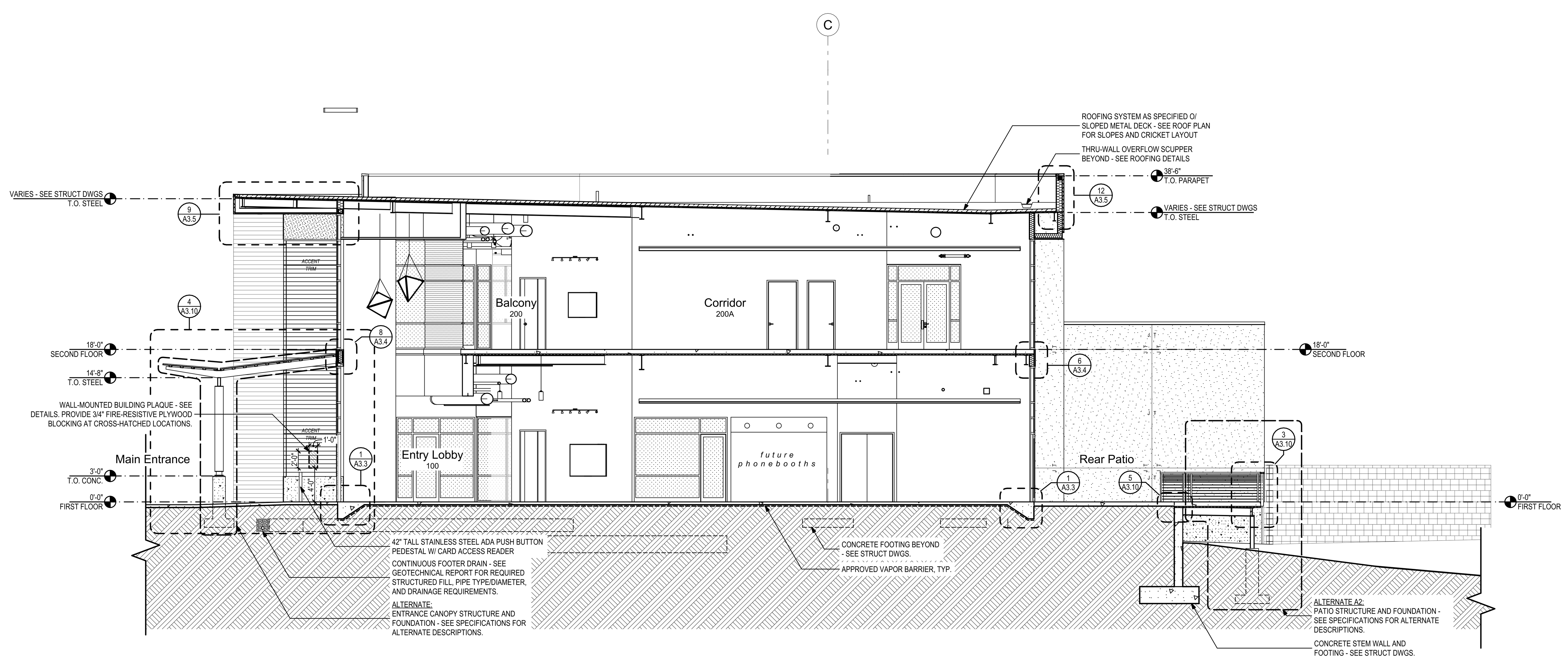
Sheet No.:
A3.1



D Building Section
1/8" = 1'-0"



E Building Section
1/8" = 1'-0"



C Building Section
1/8" = 1'-0"

PHASE:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT	RS, KS, AK, EE	C. WHITLOCK	07/30/21
50% CONSTRUCTION DOCUMENTS	RS, KS, AK, EE	C. WHITLOCK	10/07/21
100% CONSTRUCTION DOCUMENTS	RS, KS, BG, AK, EE	C. WHITLOCK	12/09/21

ID:	REVISION:	DRAWN:	REVIEWED:	DATE:
1	ADDENDUM 1	RS, KS, EE, AK, BG	C. WHITLOCK	01/10/22

Seal:

Consultant:

Client:
Leon County R&D Authority
Tallahassee, Florida

Job Title:
North Florida Innovation Labs

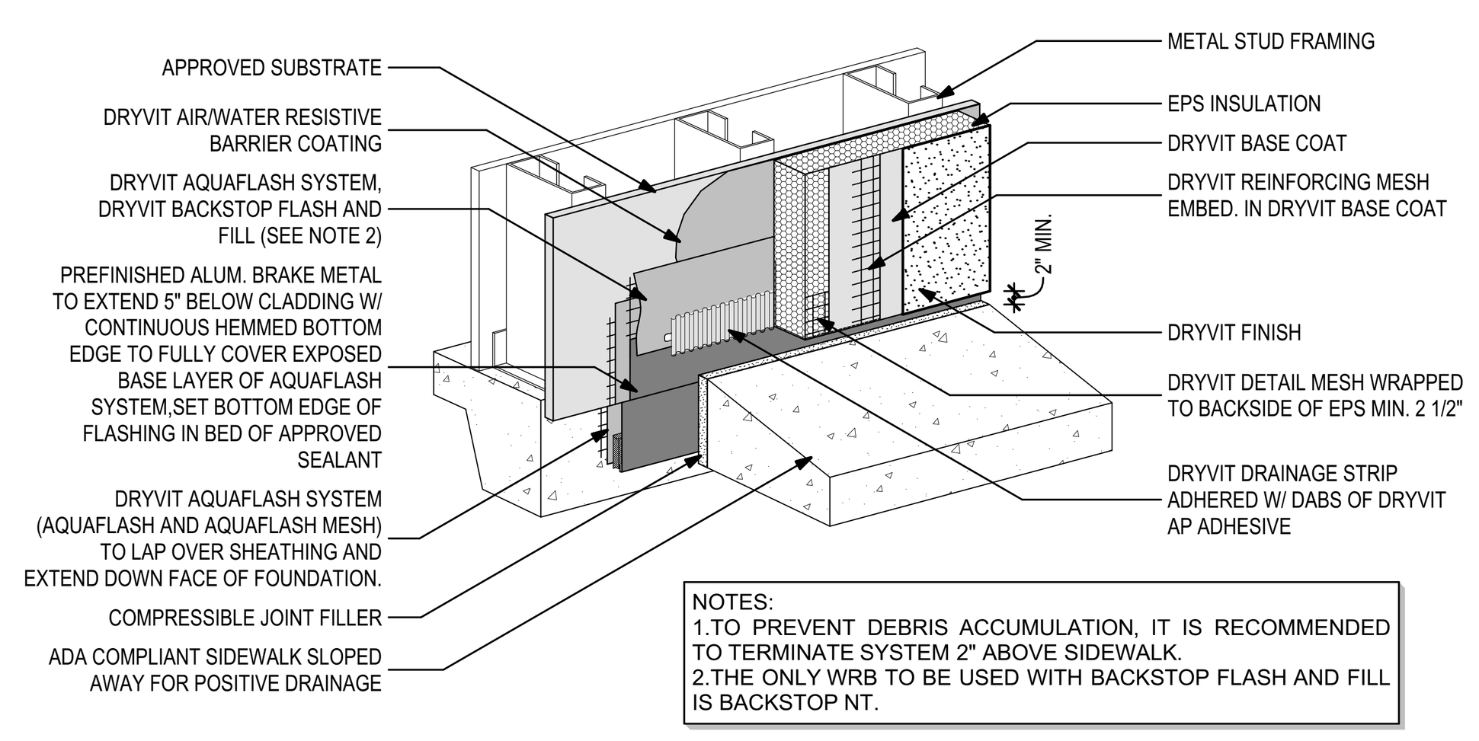
Project #: 21414
Phase: 100% Construction Documents

ALW

Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net

Description:
Building Sections

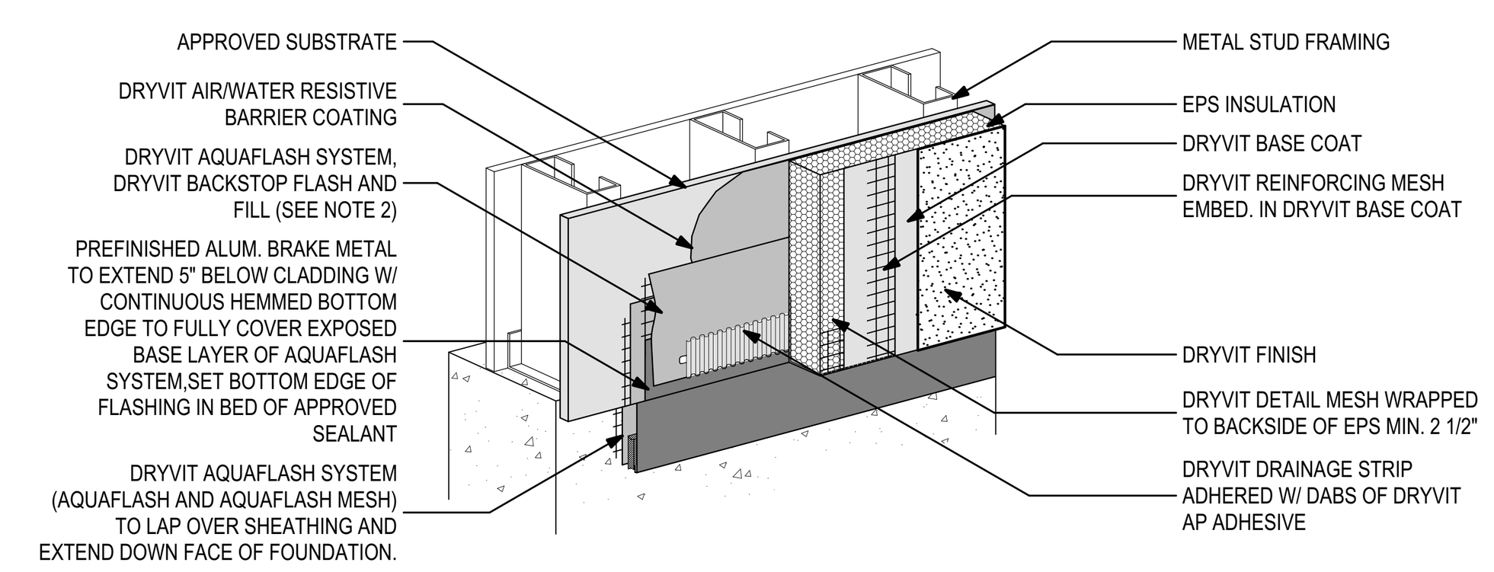
Sheet No.:
A3.2



NOTES:
1.TO PREVENT DEBRIS ACCUMULATION, IT IS RECOMMENDED TO TERMINATE SYSTEM 2" ABOVE SIDEWALK.
2.THE ONLY WRB TO BE USED WITH BACKSTOP FLASH AND FILL IS BACKSTOP NT.

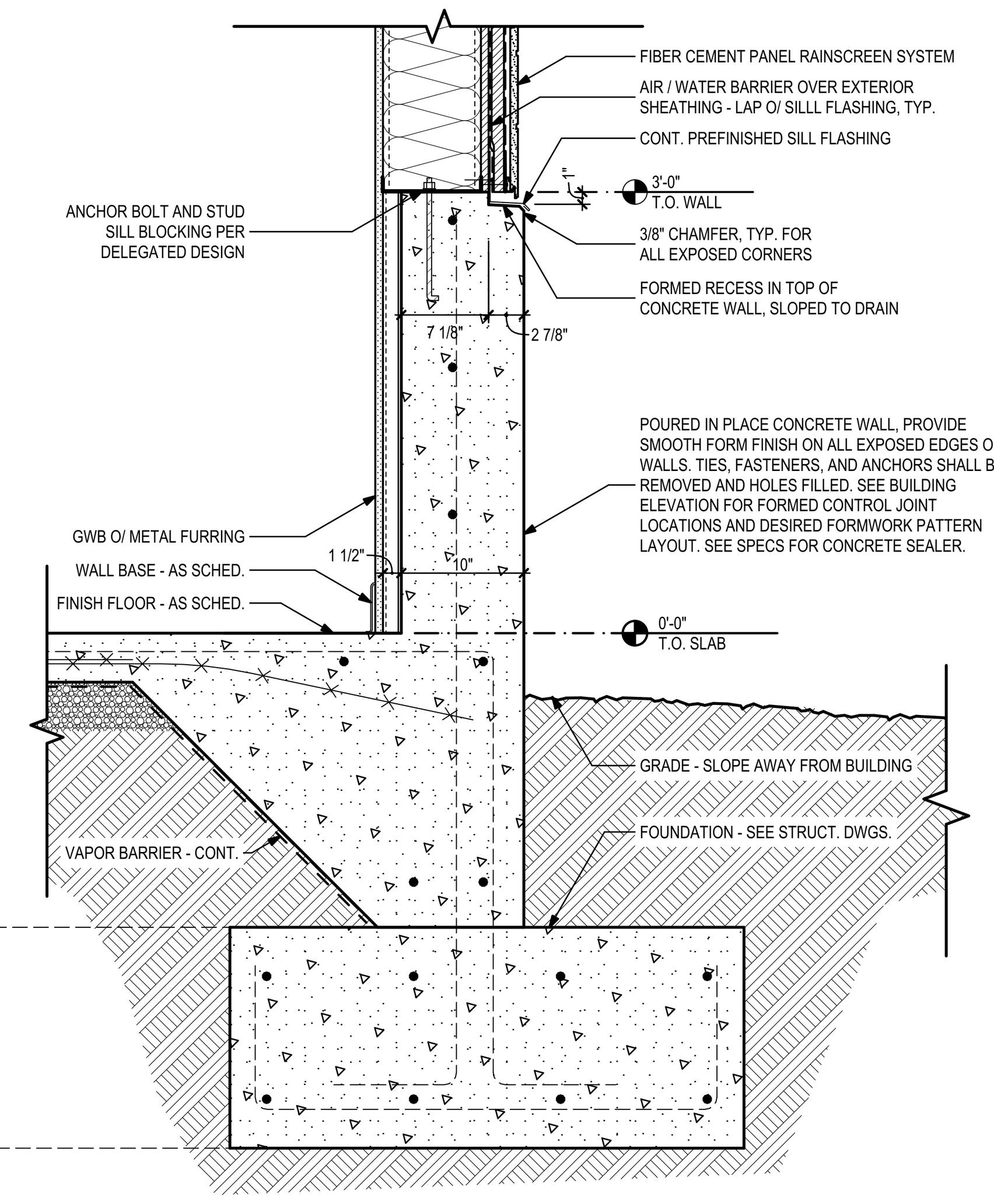
9 Typ. EIFS Termination at ADA Compliant Sidewalk

NOT TO SCALE



8 Typ. EIFS Termination at Concrete Foundation Wall

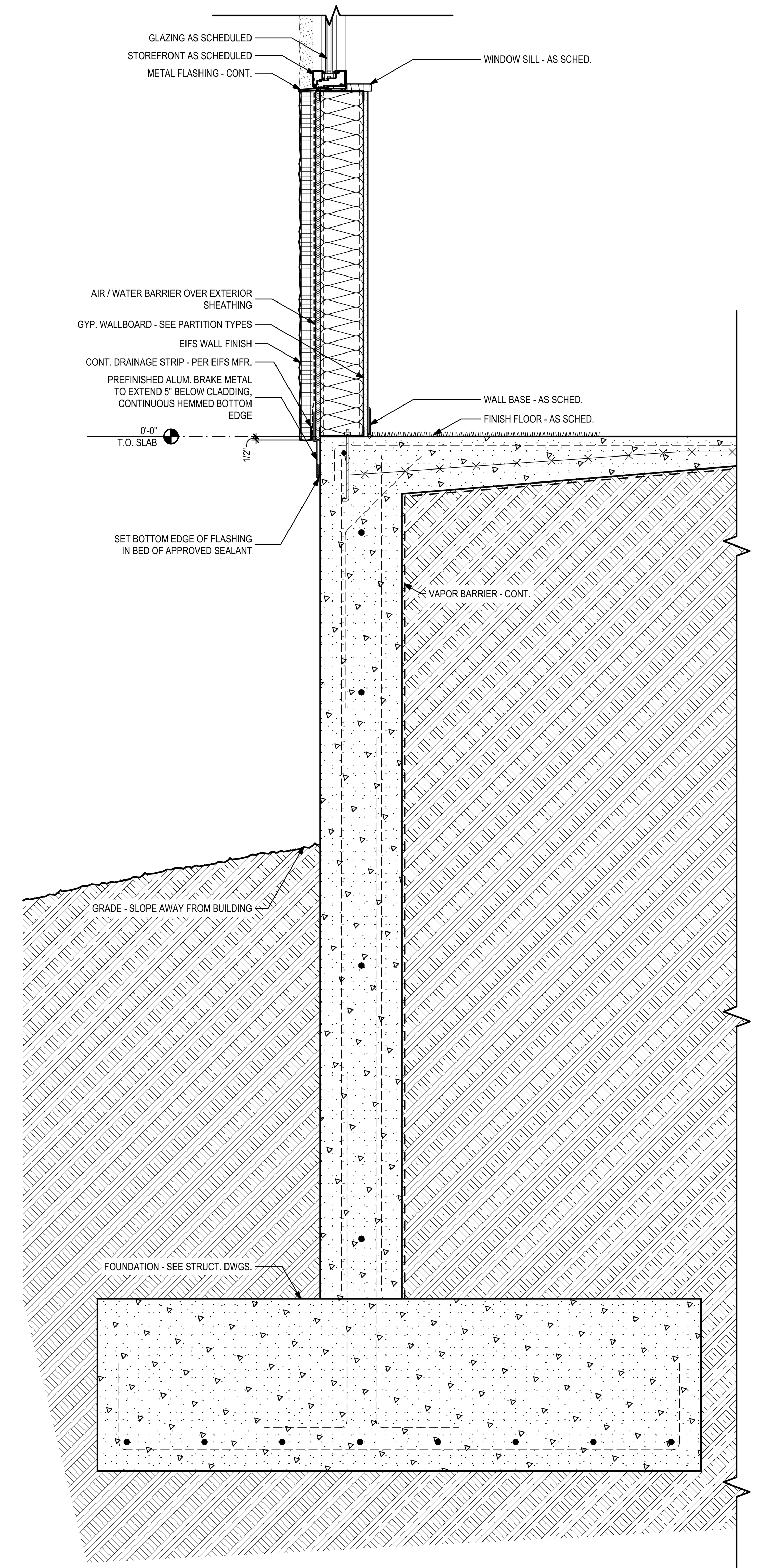
NOT TO SCALE



7 Concrete Knee Wall - Stair 1

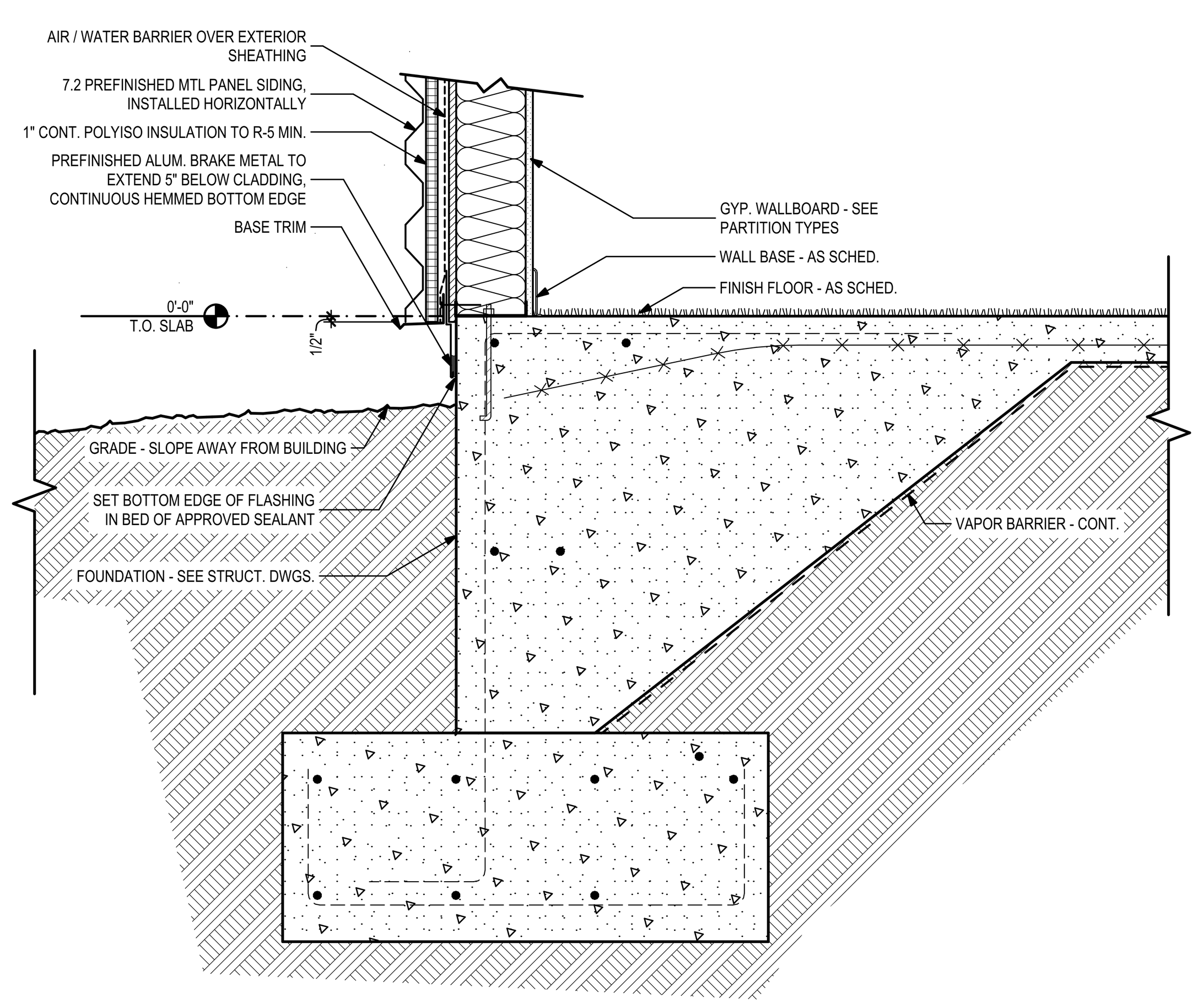
1" = 1'-0"

REFER TO GEOTECHNICAL REPORT FOR INSTRUCTIONS ON EXCAVATION, SUITABLE FILL MATERIALS UNDER BUILDING, COMPACTION, AND PERIMETER BACKFILLS. CONTRACTOR IS RESPOSIBLE FOR MAINTAINING RECORDS OF ALL TESTS REQUIRED TO VERIFYCOMPACTION, COMPOSITION OF SOILS DELIEVERED, AND DISPOSAL OF SPOILS.



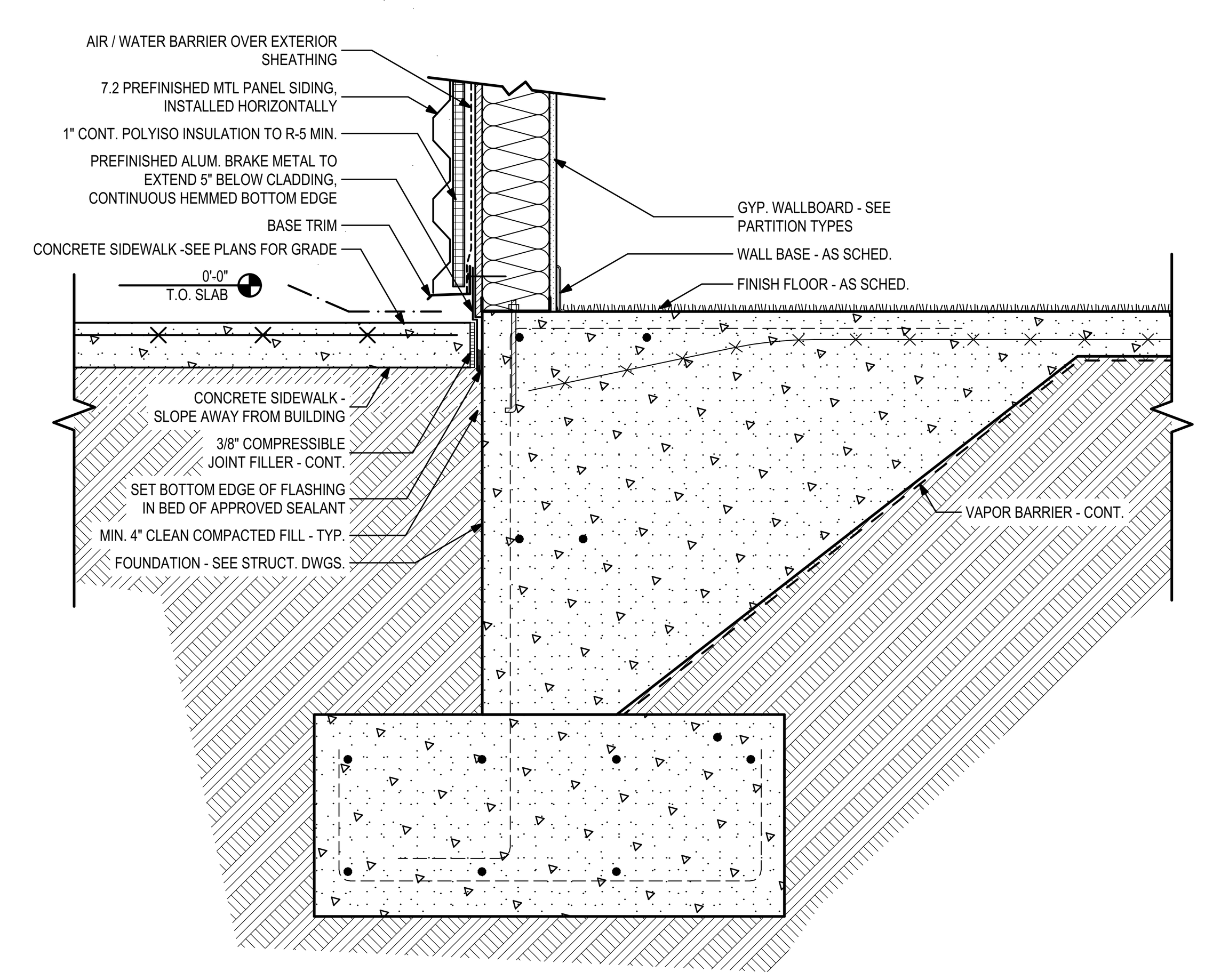
4 Section at Ribbon Window - Level 1

1" = 1'-0" A3.2



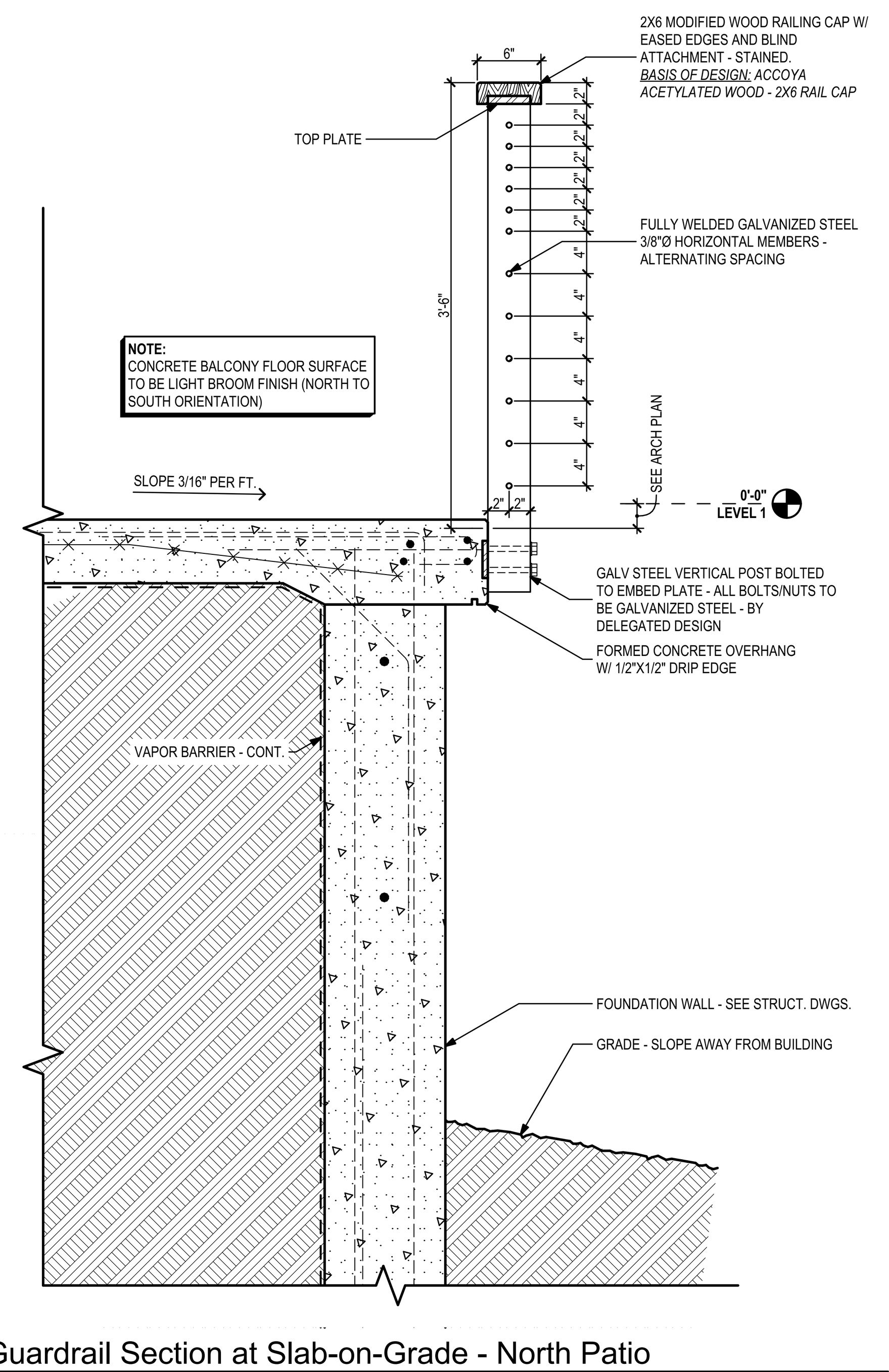
6 Foundation - Mtl. Panel at Grade

1" = 1'-0"



5 Foundation - Mtl. Panel at Sidewalk

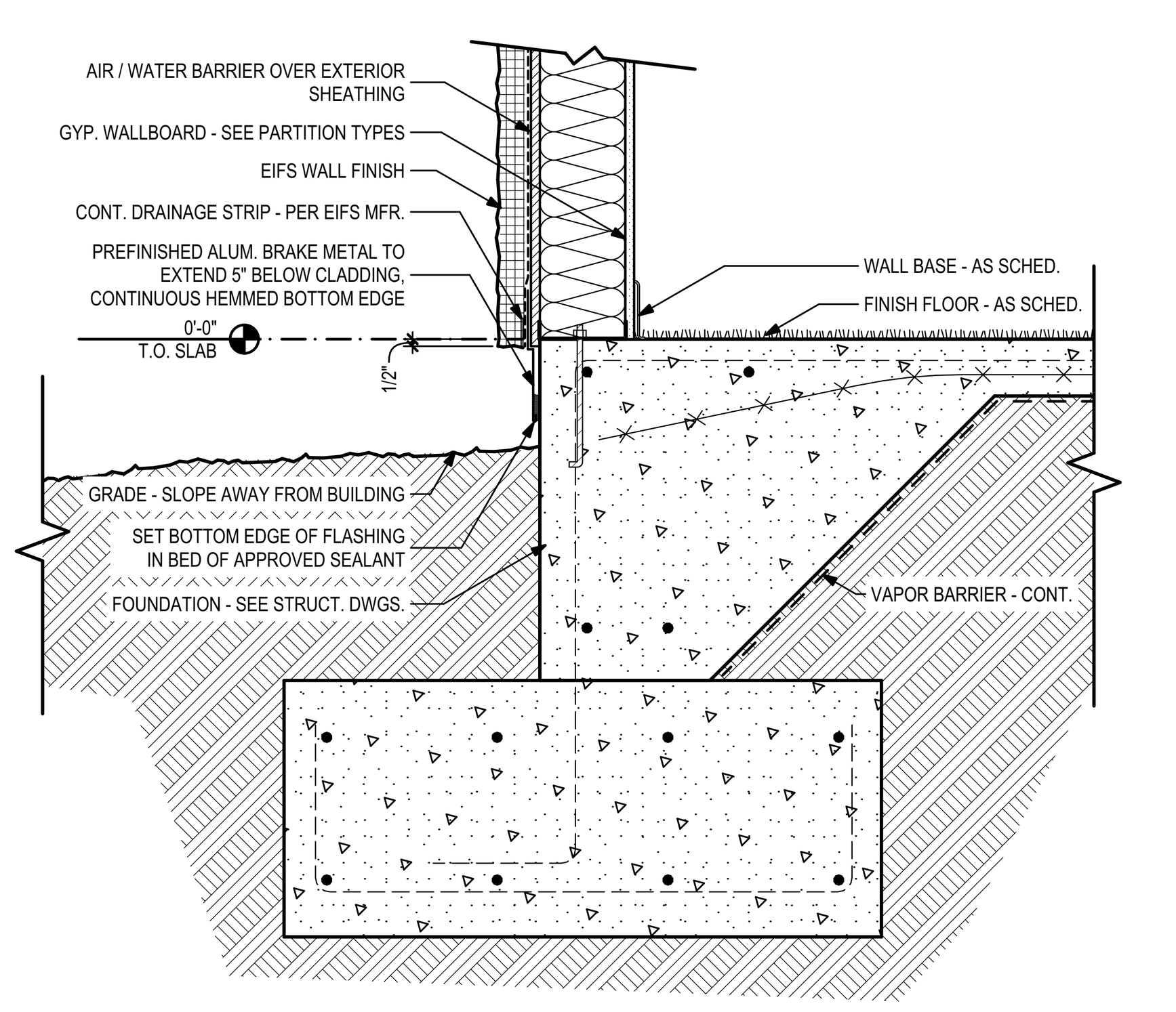
1" = 1'-0" A3.1



NOTE:
CONCRETE BALCONY FLOOR SURFACE TO BE LIGHT BROOM FINISH (NORTH TO SOUTH ORIENTATION)

10 Guardrail Section at Slab-on-Grade - North Patio

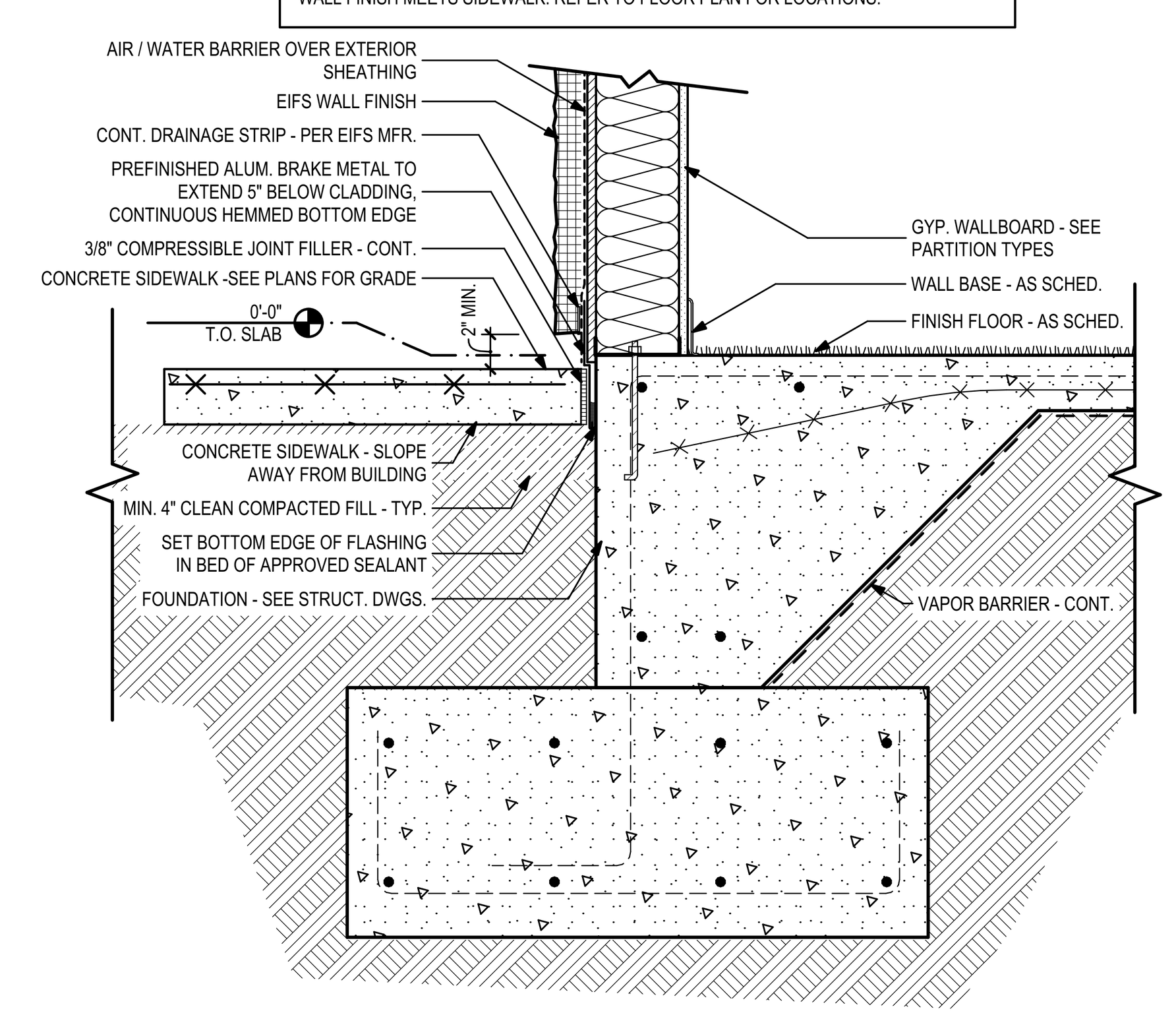
1" = 1'-0"



3 Foundation - EIFS at Grade

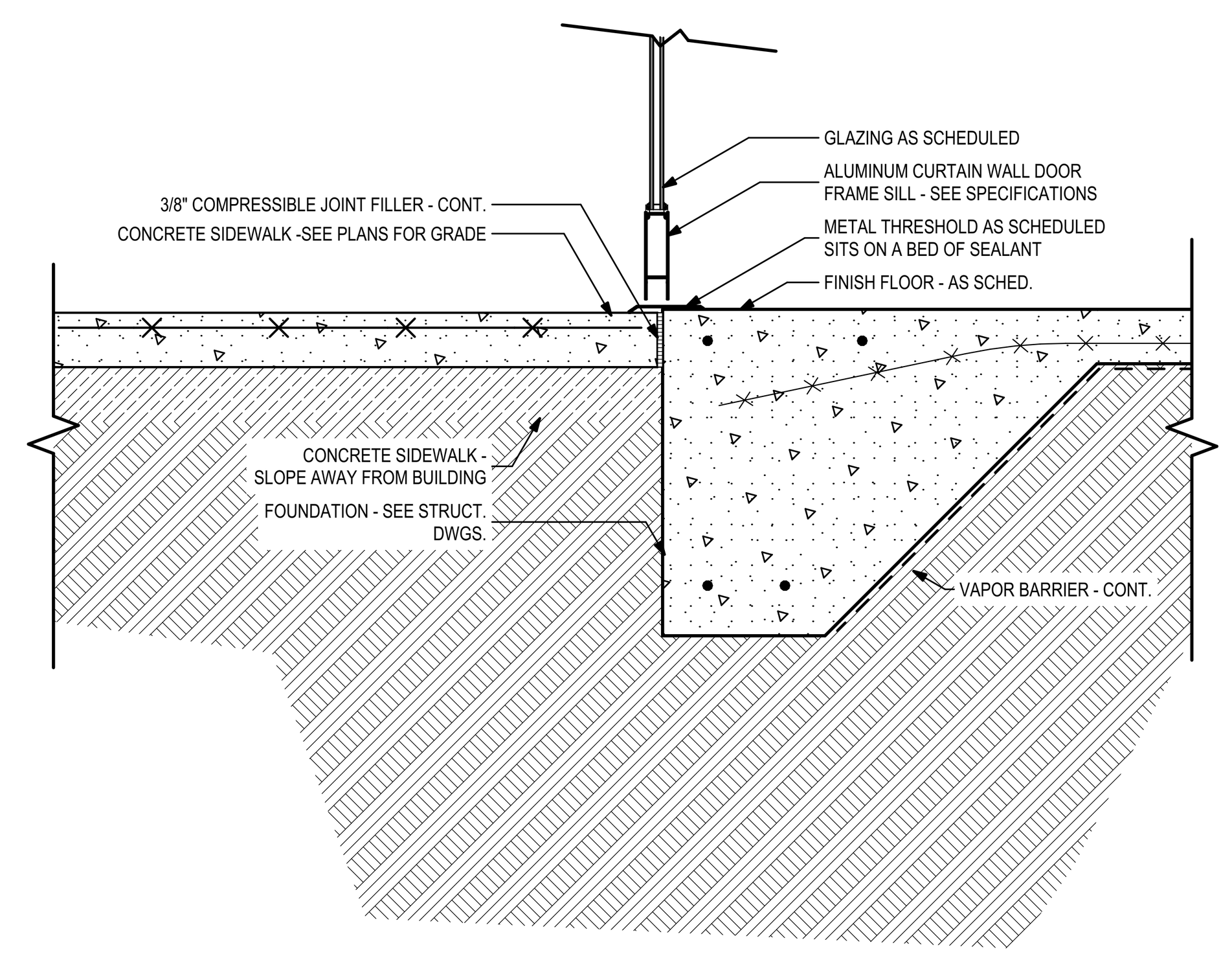
1" = 1'-0" A3.1

NOTE:
PER MANUFACTURER'S REQUIREMENTS, GROUND FLOOR APPLICATIONS AND ALL FACADES EXPOSED TO ABNORMAL STRESS, HIGH TRAFFIC, OR DELIBERATE IMPACT SHALL HAVE THE BASE COAT REINFORCED WITH PANZER® MESH PRIOR TO STANDARD™ OR STANDARD PLUS™ MESH. LOCATION OF HIGH IMPACT ZONES ARE LIMITED TO TWO WALL AT LOADING DOCK (APPROX. 22 LINEAR FEET) WHERE EIFS WALL FINISH MEETS SIDEWALK. REFER TO FLOOR PLAN FOR LOCATIONS.



2 Foundation - EIFS at Sidewalk

1" = 1'-0"



1 Typ. Entry Threshold

1" = 1'-0" A3.2

PHASE:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT	RS, KS, AK, EE	C. WHITLOCK	07/30/21
50% CONSTRUCTION DOCUMENTS	RS, KS, AK, EE	C. WHITLOCK	10/07/21
100% CONSTRUCTION DOCUMENTS	RS, KS, BG, AK, EE	C. WHITLOCK	12/09/21

ID:	REVISION:	DRAWN:	REVIEWED:	DATE:

Client:
Leon County R&D Authority
Tallahassee, Florida

Job Title:
North Florida Innovation Labs

Seal:

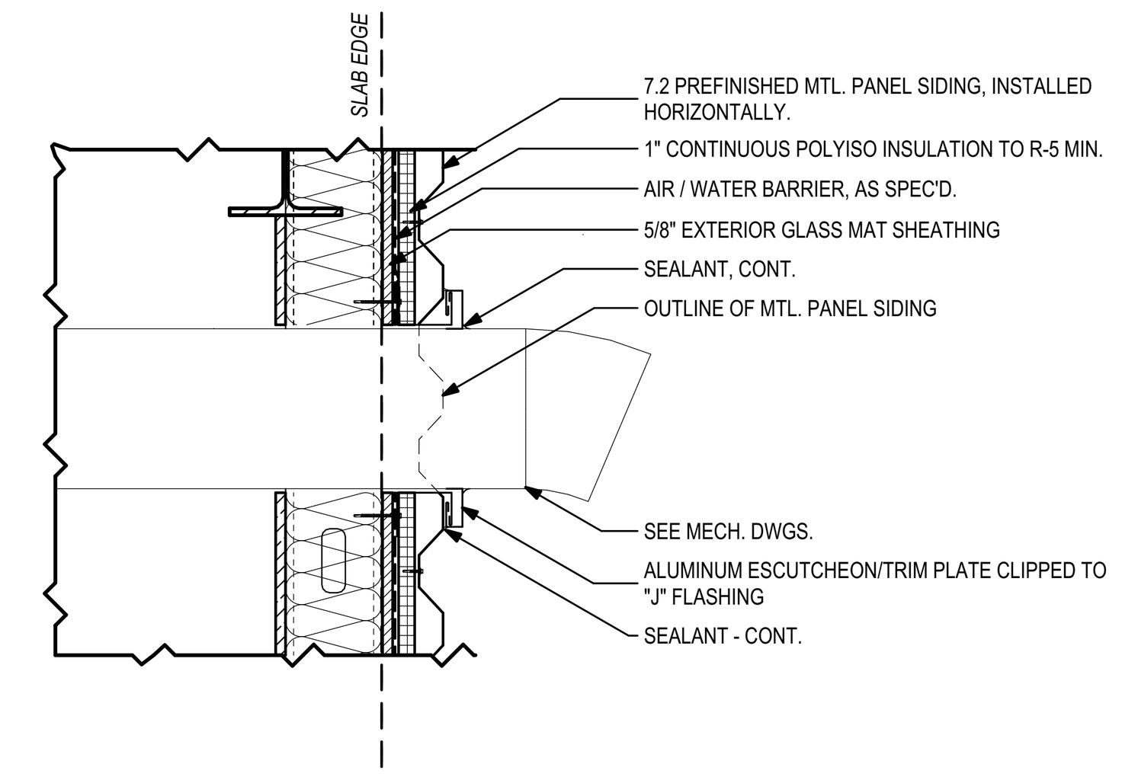
Consultant:

Project #: 21414
Phase: 100% Construction Documents

ALW
Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net

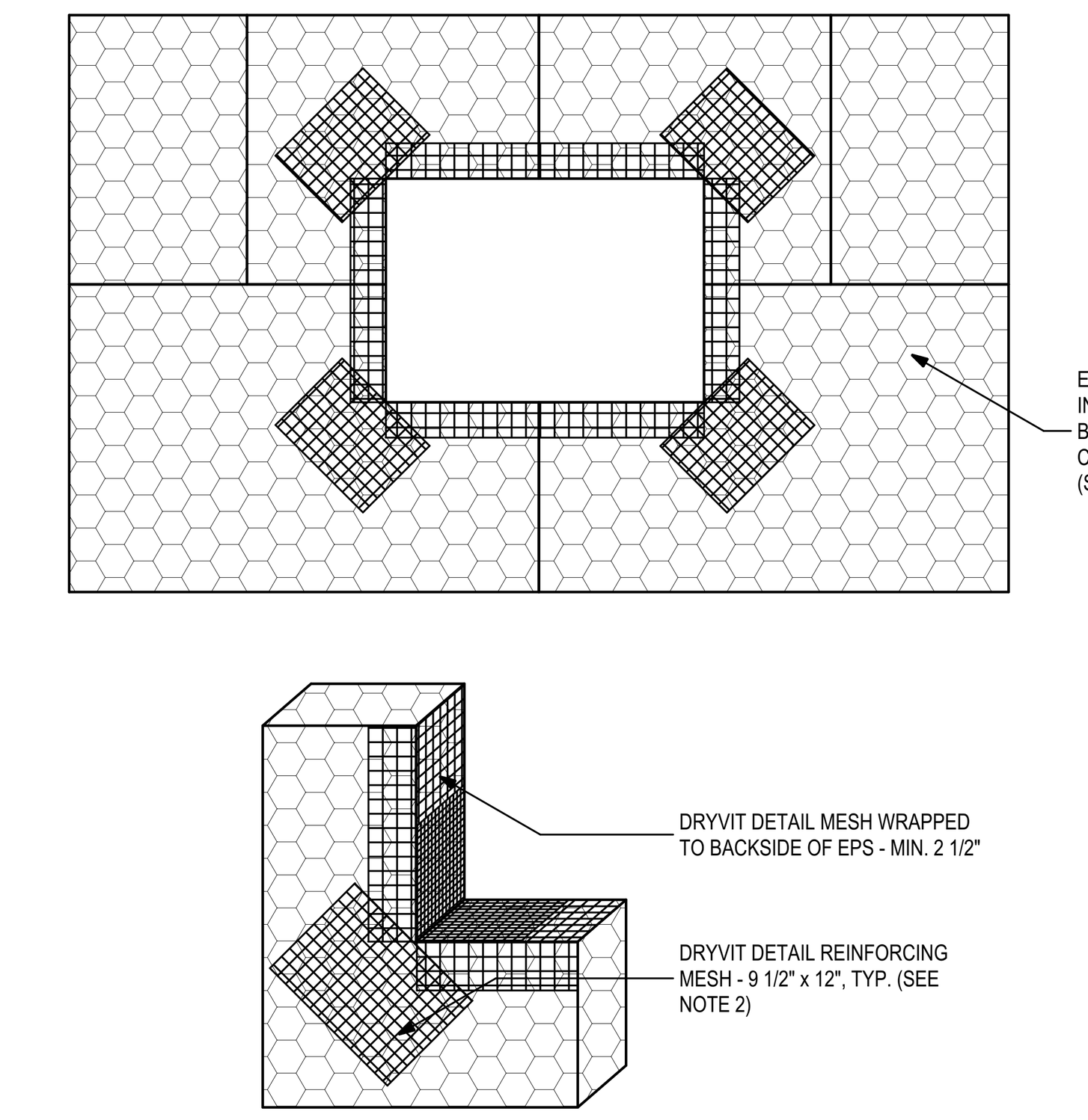
Description:
Wall Sections and Foundation Details

Sheet No.:
A3.3



11 Typ. Wall Penetration Thru Mtl. Siding A3.1

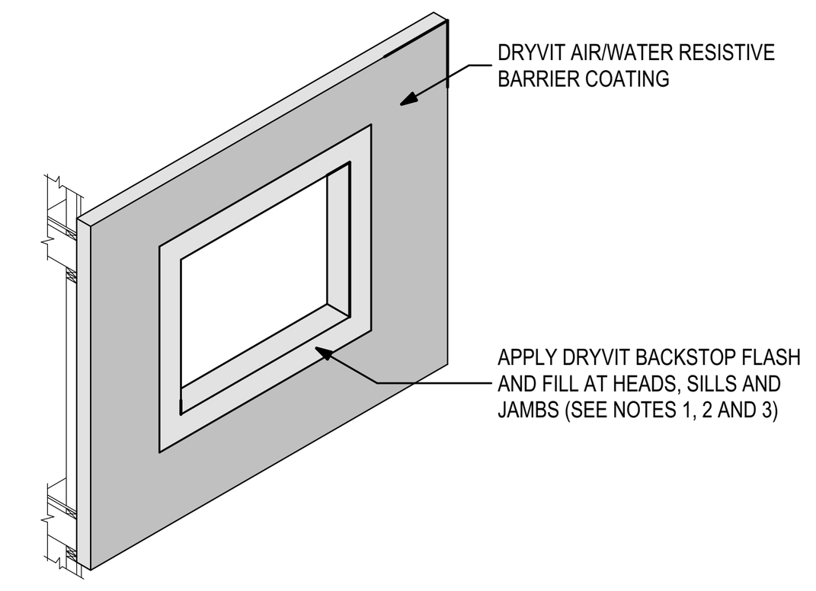
1" = 1'-0"



NOTES:
1.LOCATE INSULATION BOARDS SUCH THAT BOARD EDGES DO NOT ALIGN WITH CORNERS OF PENETRATION.
2.APPLY A PIECE OF 9 1/2" X 12" DETAIL REINFORCING MESH DIAGONALLY AT EACH CORNER.

10 EPS Preparation at Wall Penetrations

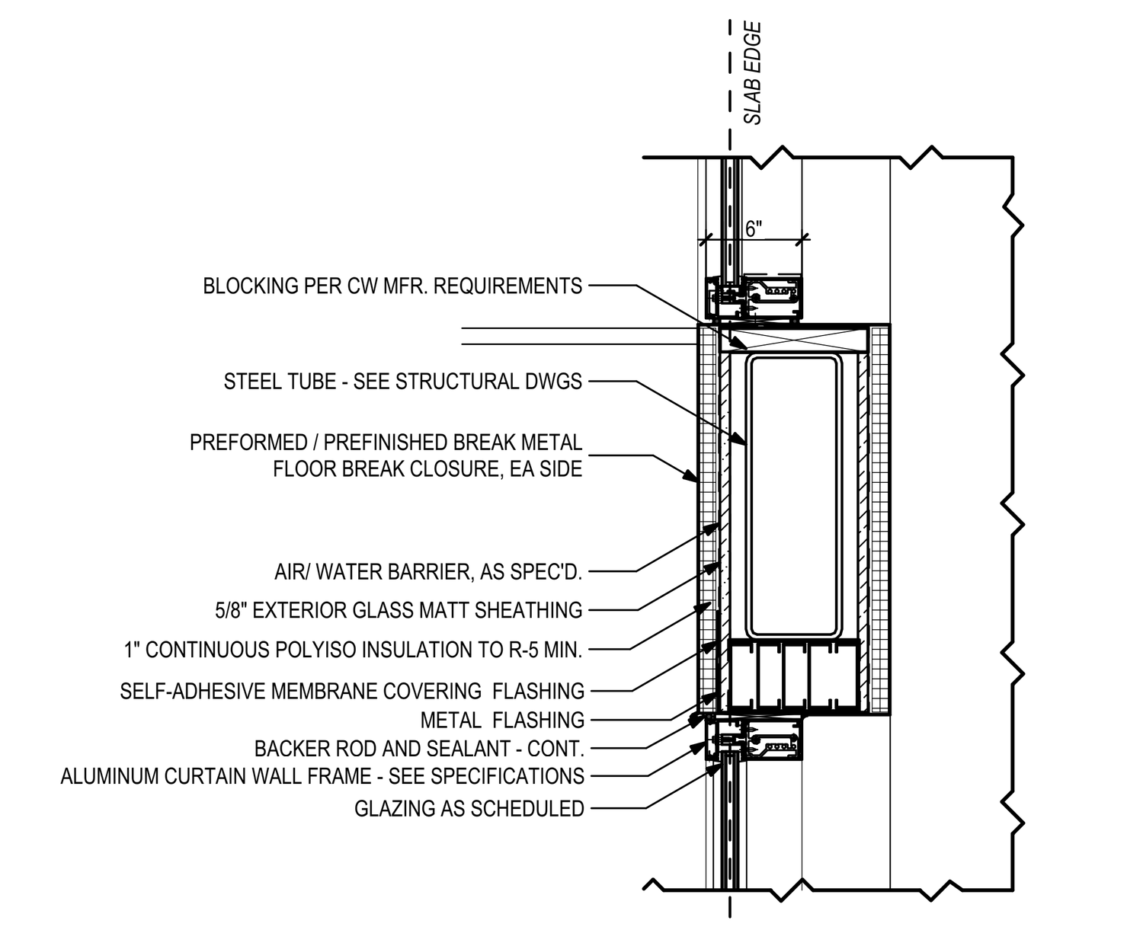
NOT TO SCALE



NOTES:
1.REFER TO HEAD, SILL AND JAMB DETAILS FOR FLASHING INTEGRATION.
2.REFER TO PRODUCT DATASHEETS FOR SPECIFIC APPLICATION METHODS.
3.THE ONLY WRB TO BE USED WITH BACKSTOP FLASH AND FILL IS BACKSTOP NT.

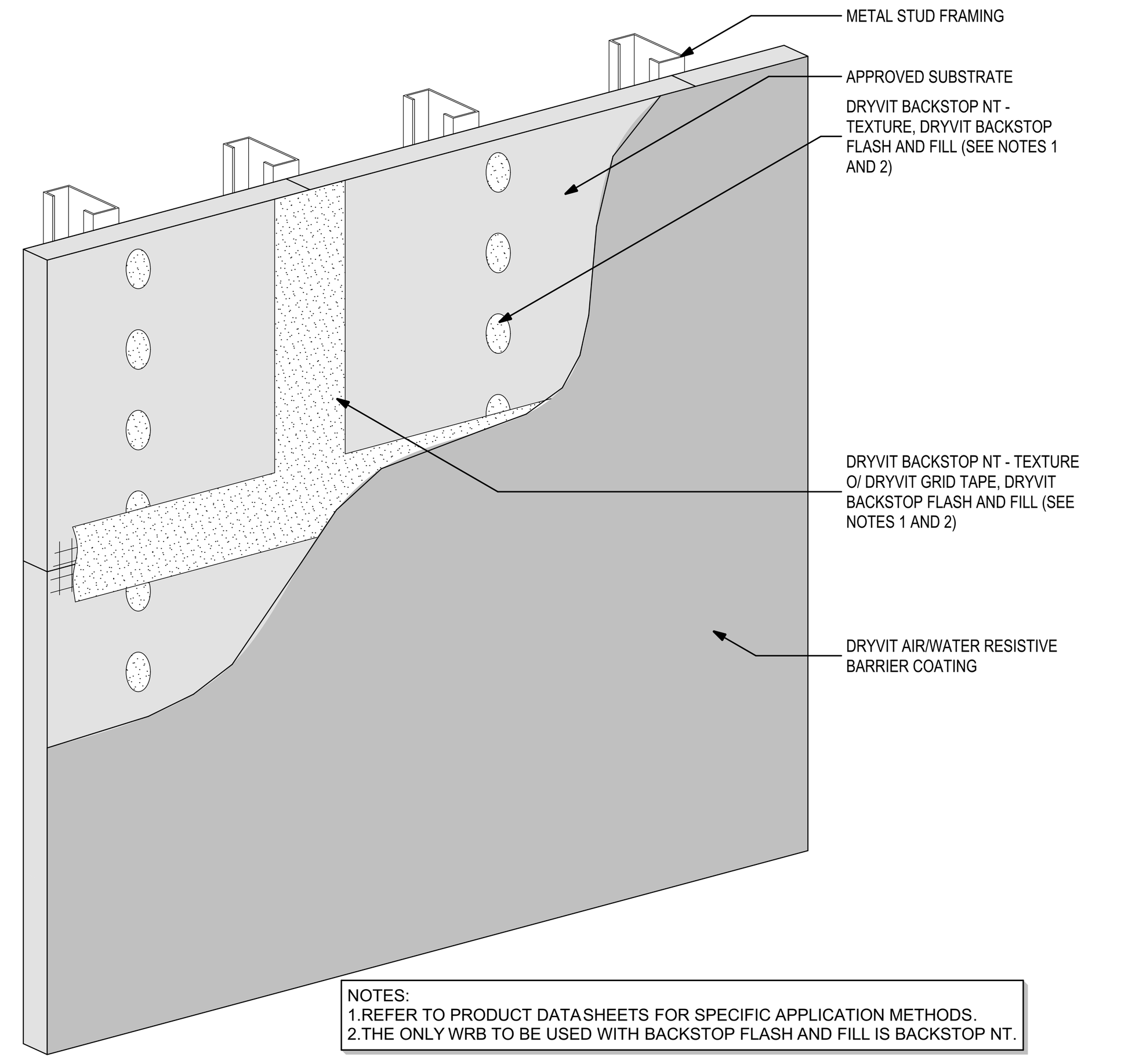
9 Opening Preparation - Backstop Flash and Fill Option

NOT TO SCALE



8 Floor Break - South Entry A3.2

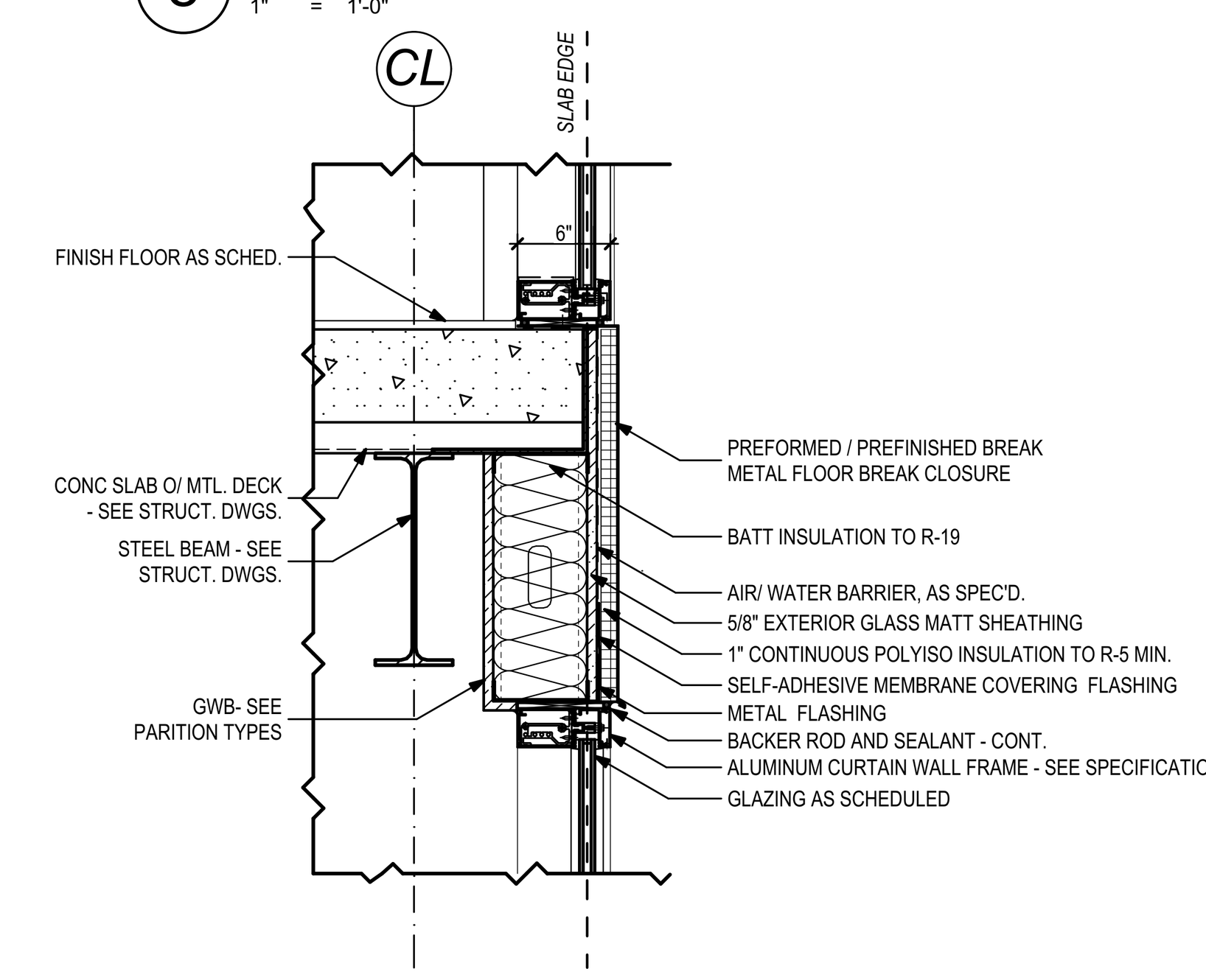
1" = 1'-0"



NOTES:
1.REFER TO PRODUCT DATASHEETS FOR SPECIFIC APPLICATION METHODS.
2.THE ONLY WRB TO BE USED WITH BACKSTOP FLASH AND FILL IS BACKSTOP NT.

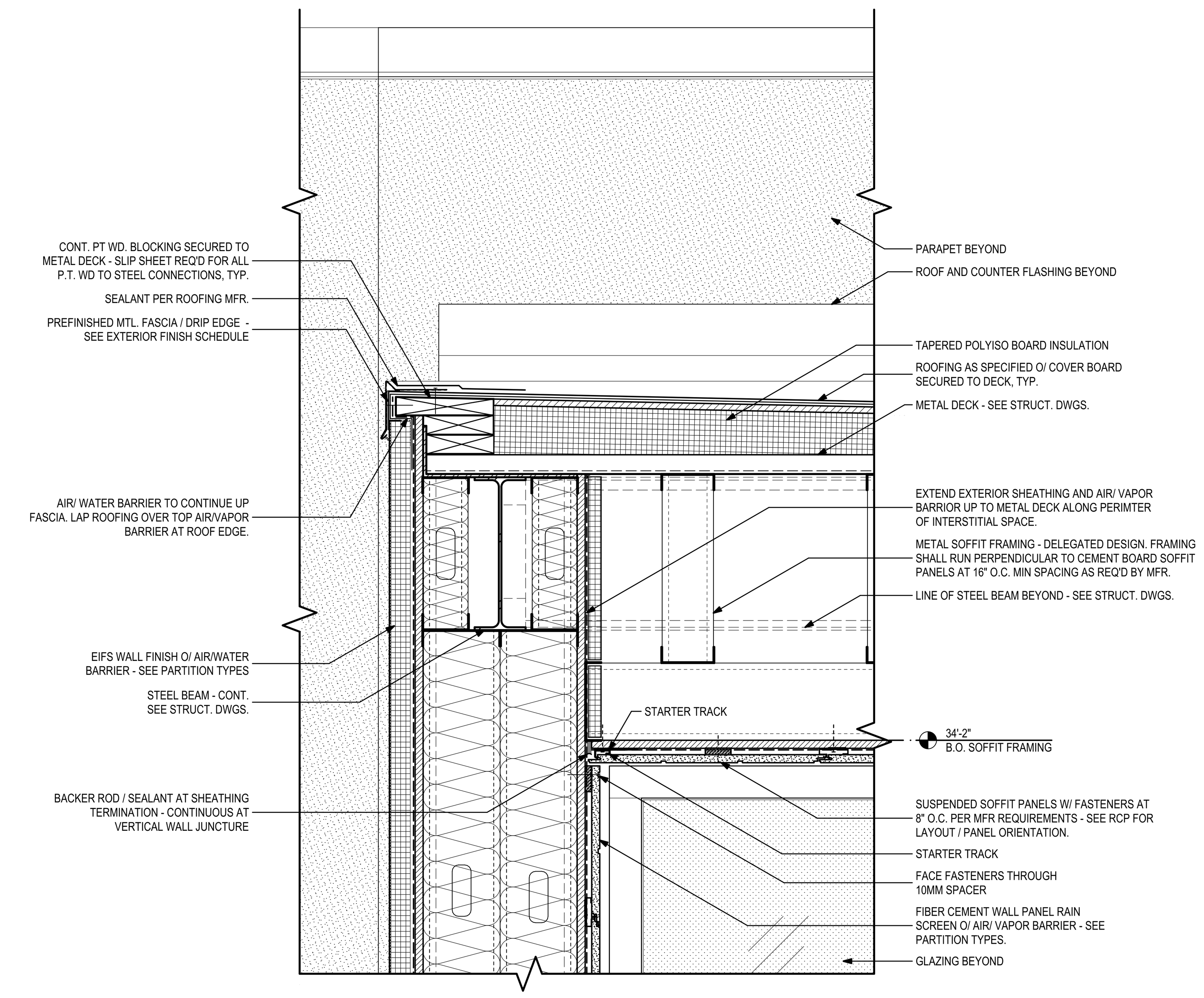
7 Dryvit Air/Water Resistive Barrier Application

NOT TO SCALE



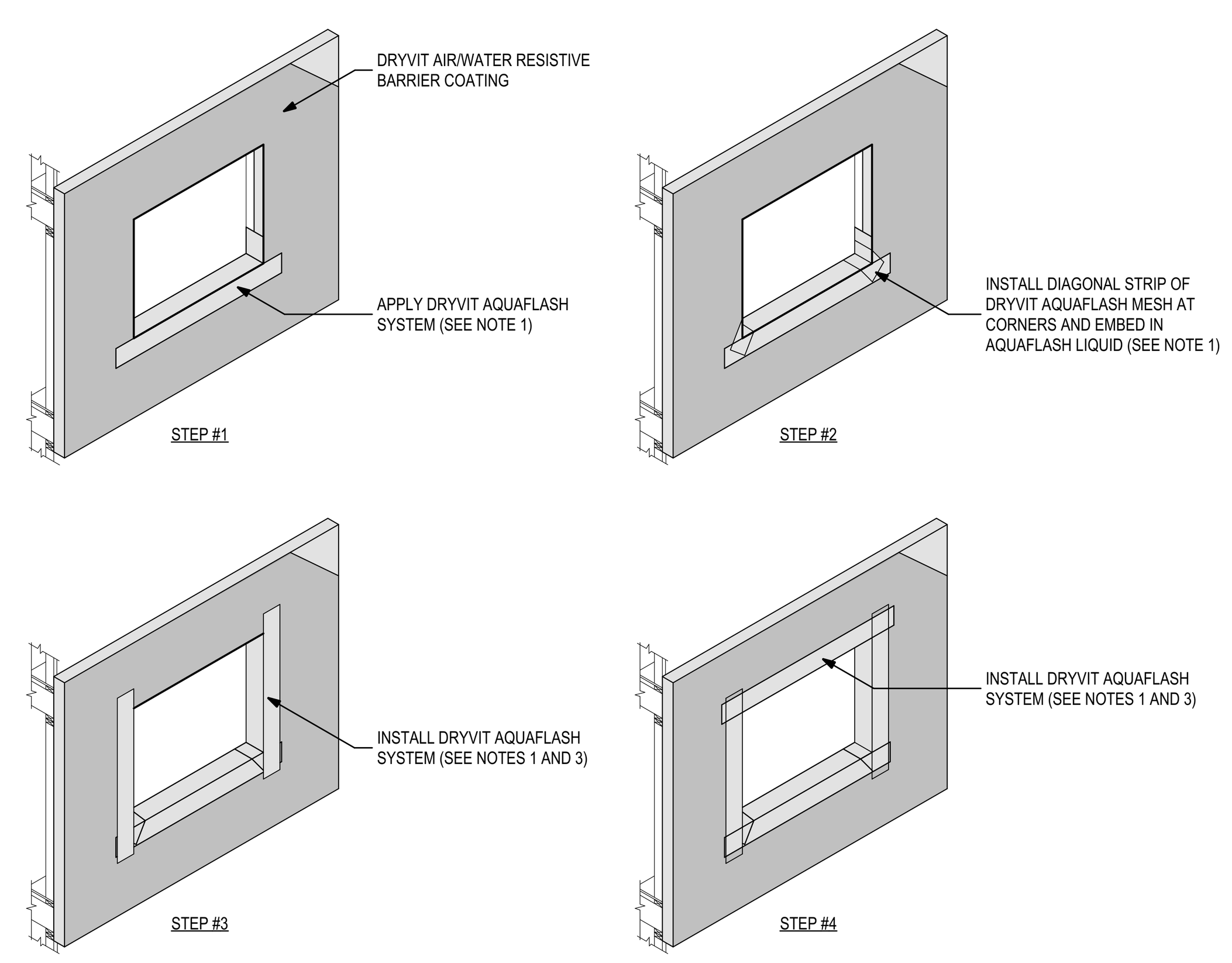
6 Floor Break - North Entry A3.2

1" = 1'-0"



5 Entrance Overhang Transition

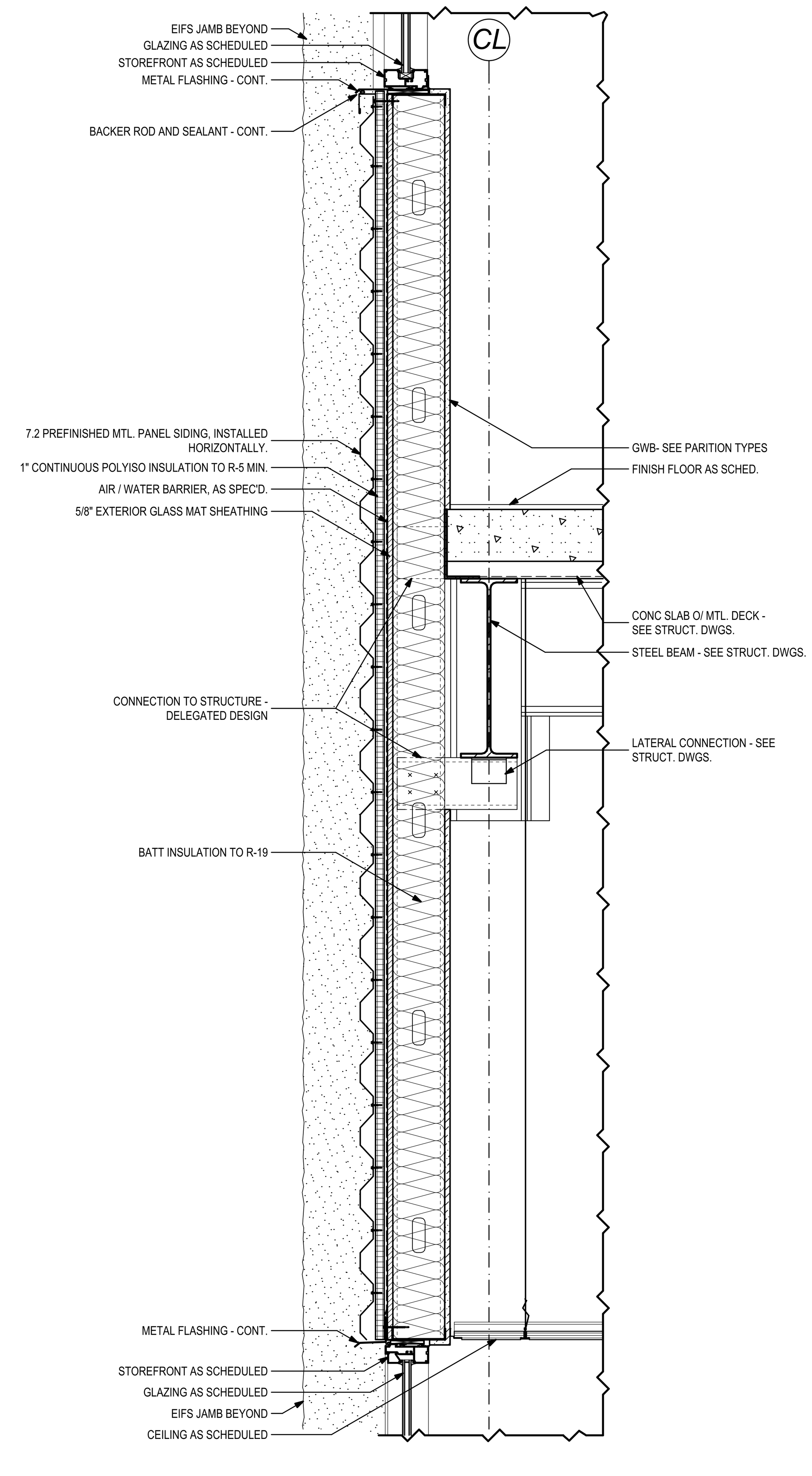
1 1/2" = 1'-0"



NOTES:
1.DRYVIT AQUAFLASH SHALL EXTEND TO INTERIOR FACE OF OPENING.
2.REFER TO HEAD, SILL AND JAMB DETAILS FOR FLASHING INTEGRATION.
3.INSTALL WINDOW UNIT AND ASSOCIATED FLASHINGS PER MANUFACTURER'S RECOMMENDATIONS, CODE REQUIREMENTS AND PROJECT DOCUMENTS.

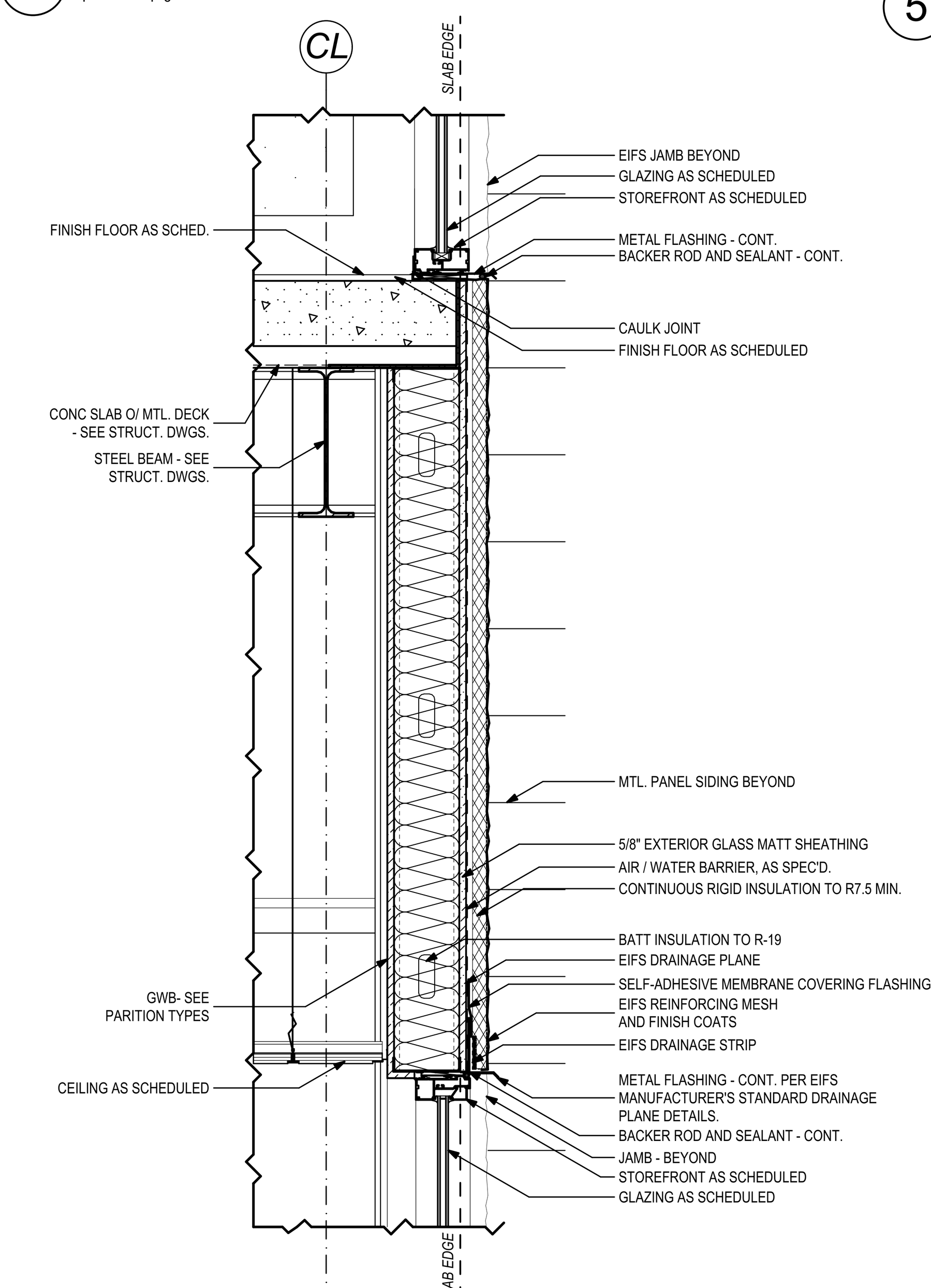
4 Opening Preparation - Dryvit AquaFlash System

NOT TO SCALE



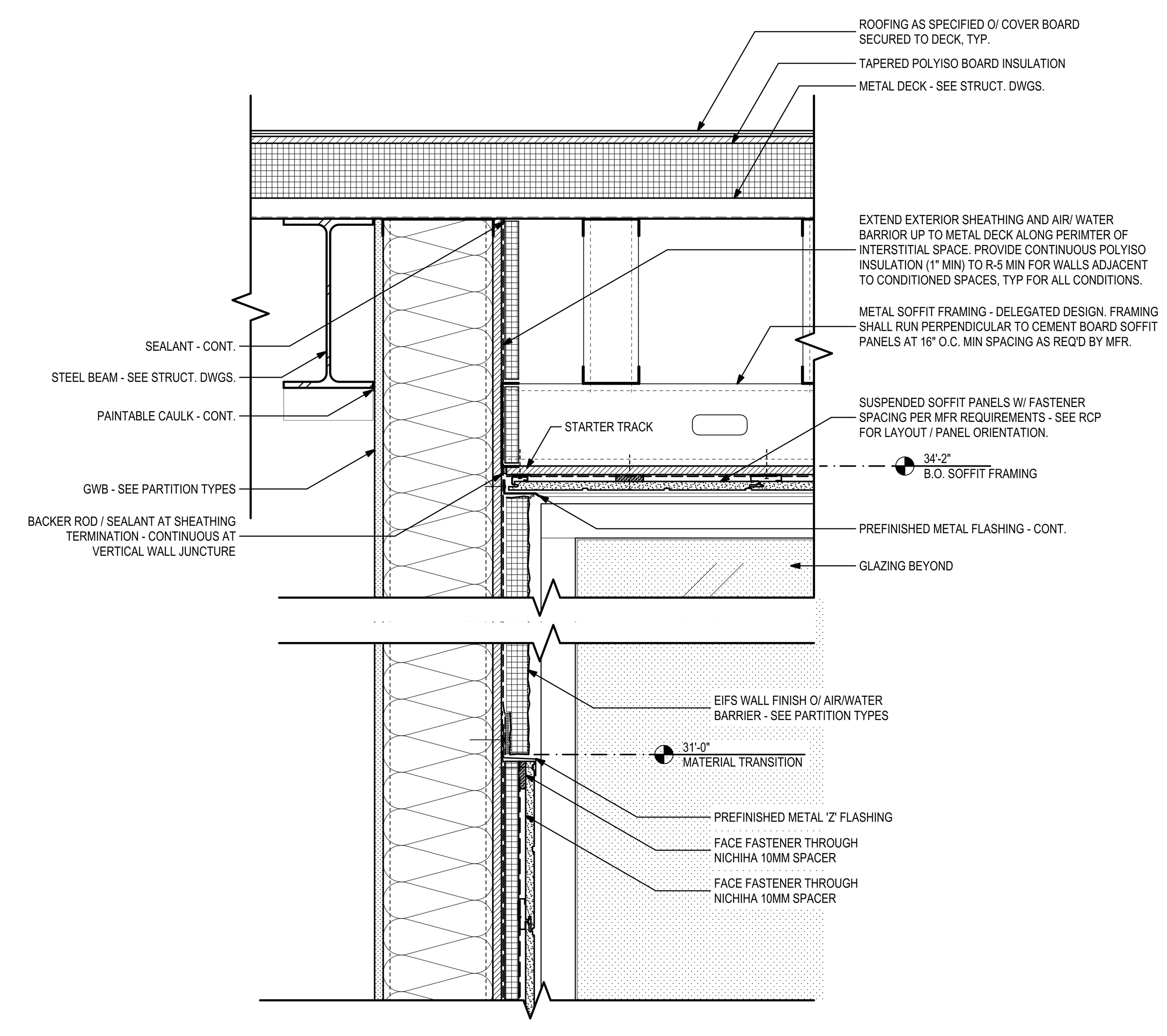
3 Section at Ribbon Window - Level 2 A3.2

1" = 1'-0"



2 Second Floor - Typ. Floor Break A3.2

1" = 1'-0"



1 EIFS at Fiber Cement Panel - Horizontal Transition

1 1/2" = 1'-0"

PHASE:	DRAWN:	REVIEWED:	DATE:	ID:	REVISION:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT	RS, KS, AK, EE	C. WHITLOCK	07/30/21					
50% CONSTRUCTION DOCUMENTS	RS, KS, AK, EE	C. WHITLOCK	10/07/21					
100% CONSTRUCTION DOCUMENTS	RS, KS, BG, AK, EE	C. WHITLOCK	12/09/21					

Client:
Leon County R&D Authority
Tallahassee, Florida

Job Title:
North Florida Innovation Labs

Seal:

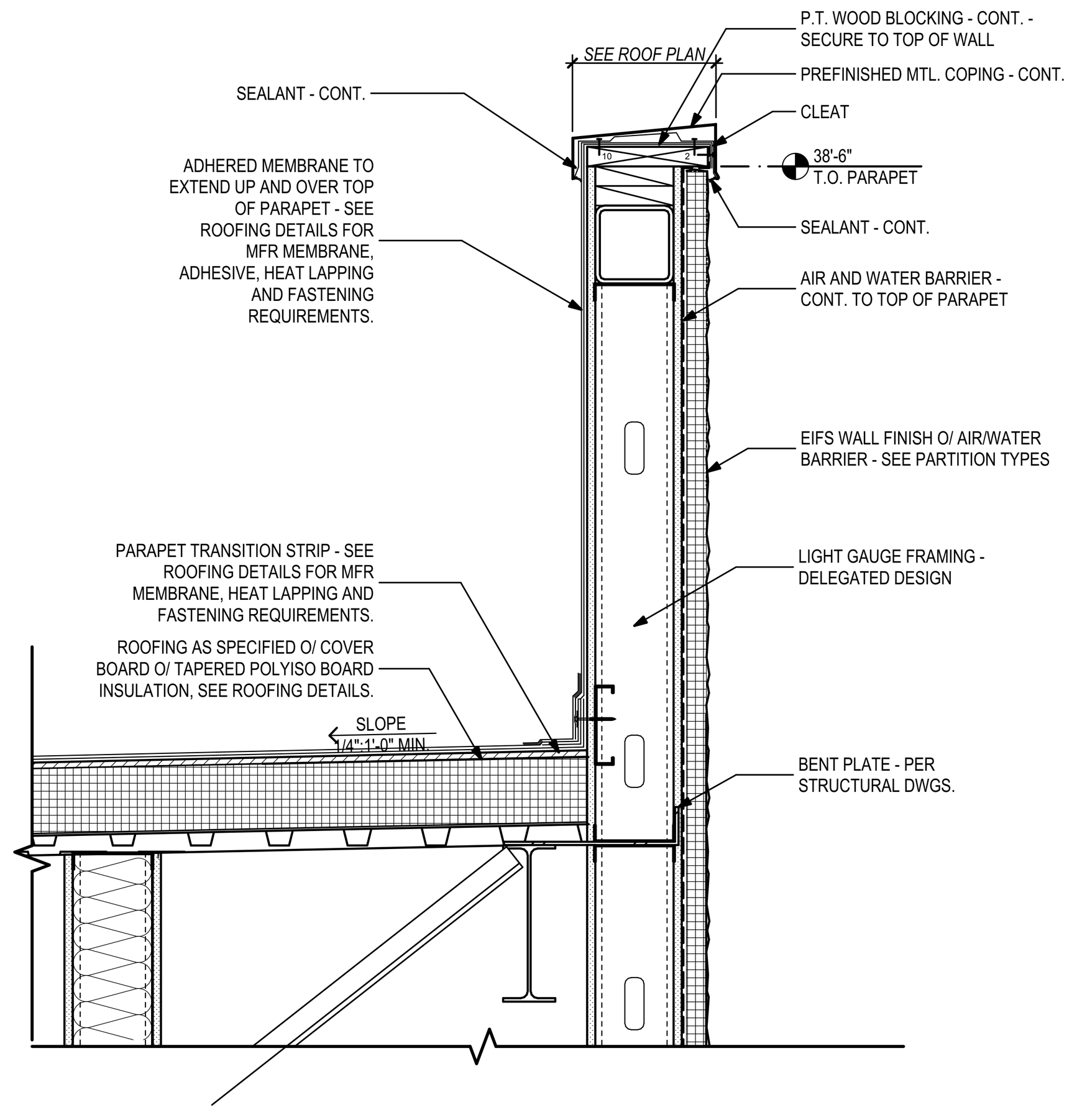
Consultant:

Project #: 21414
Phase: 100% Construction Documents

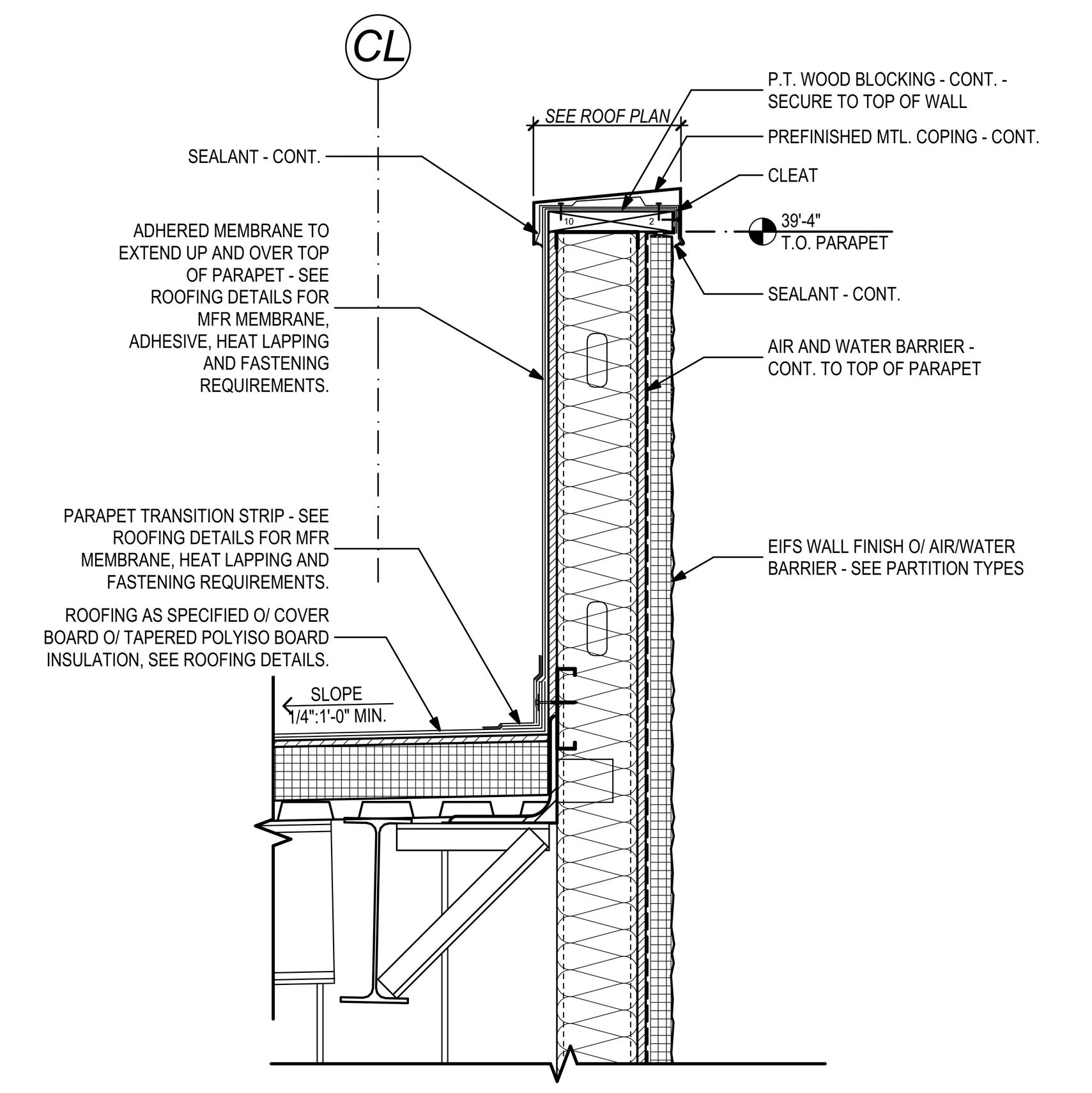
Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net

Description:
Wall Sections and Details

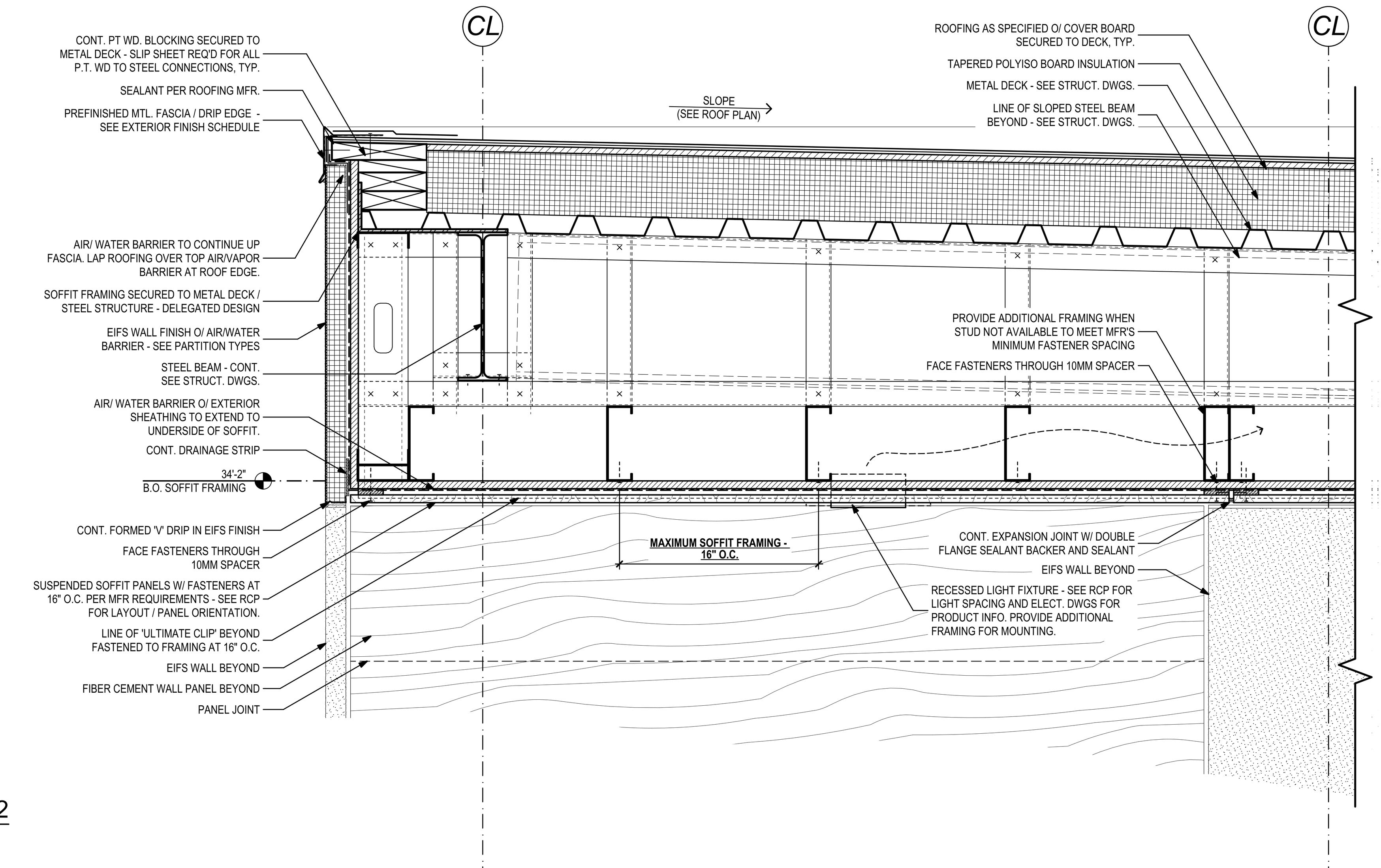
Sheet No.:
A3.4



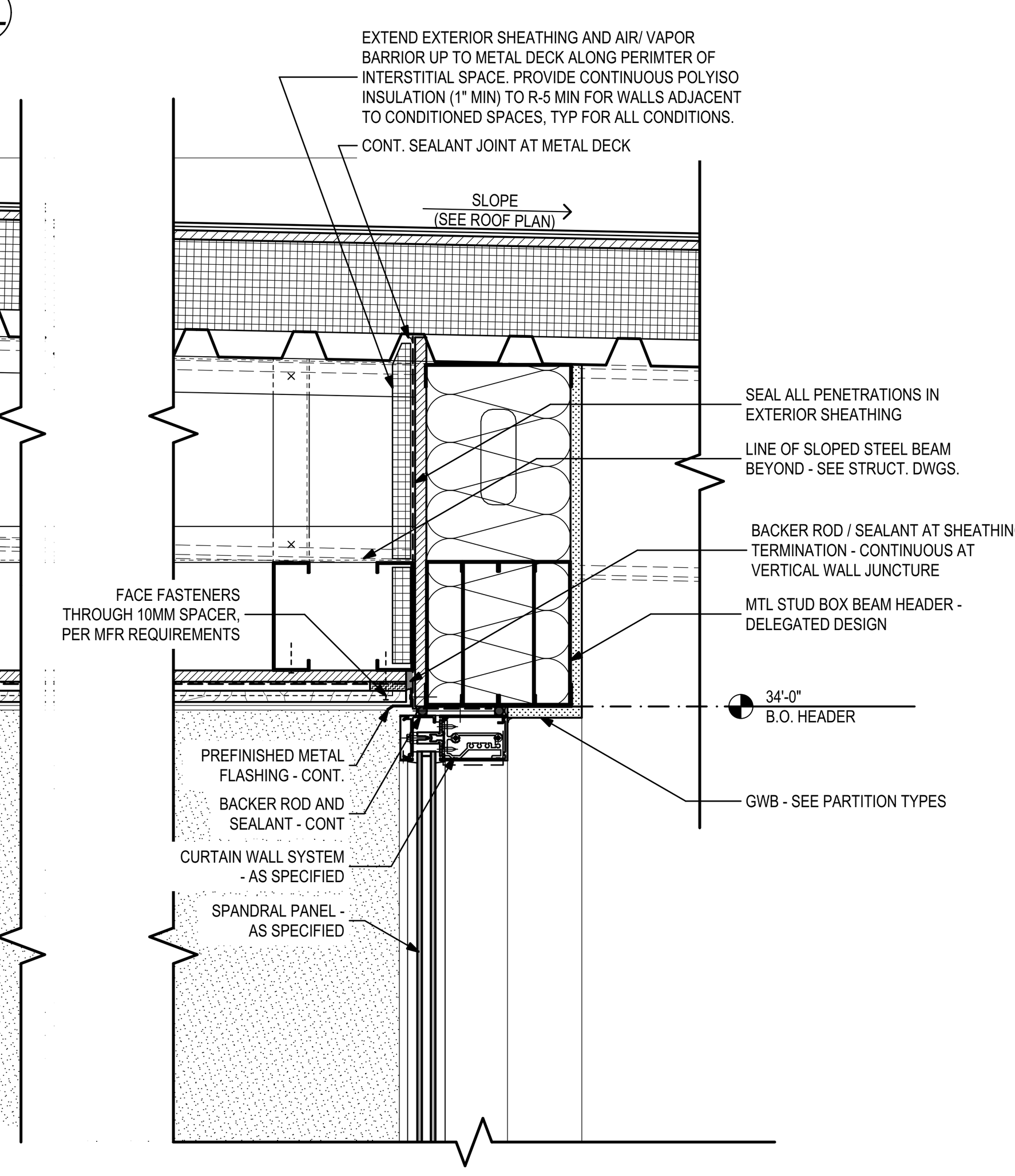
12 Soffit / Parapet Section - North Entry A3.2
1" = 1'-0"



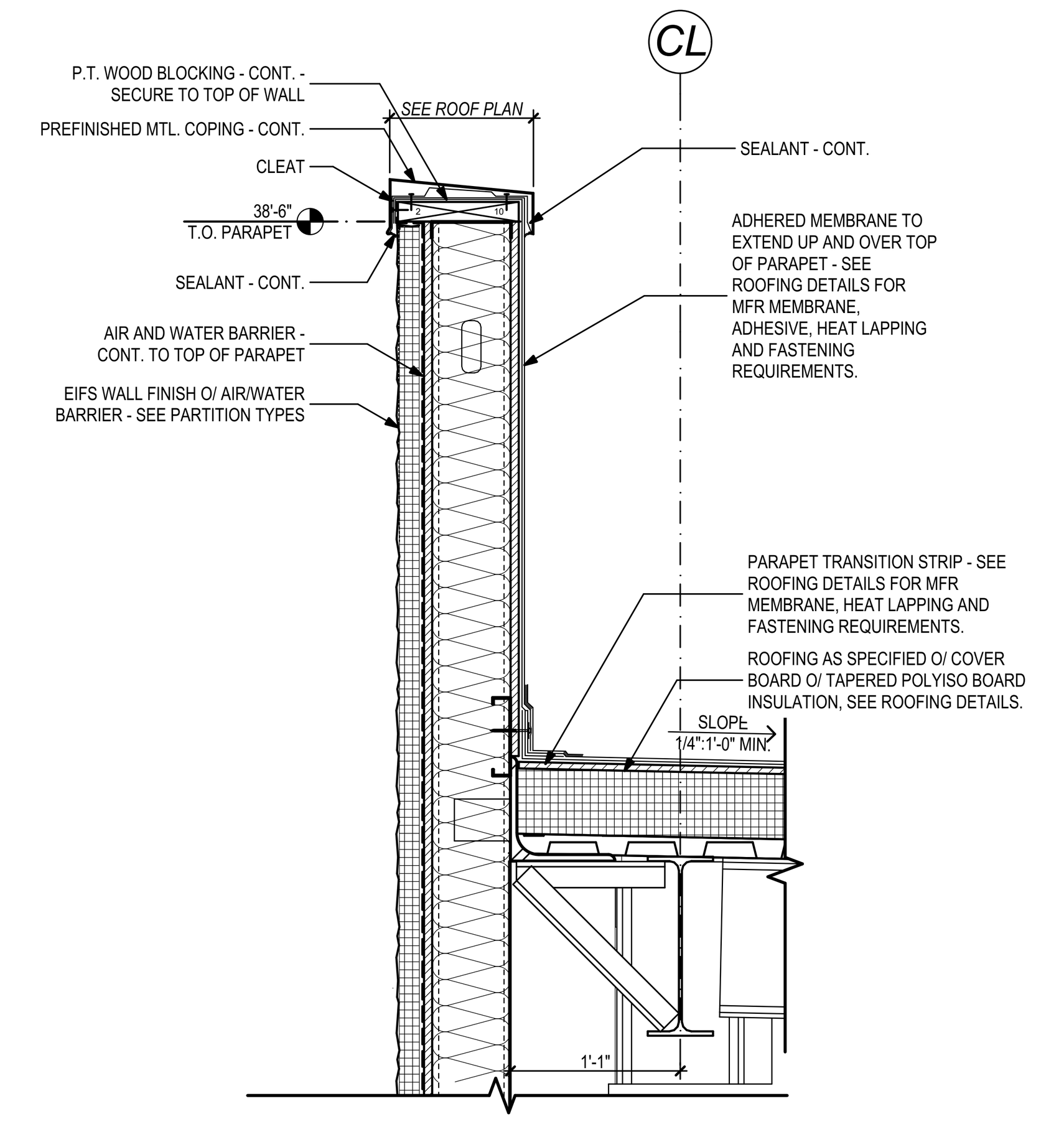
11 Typical Bypass Parapet Section - High Roof South A3.2
1" = 1'-0"



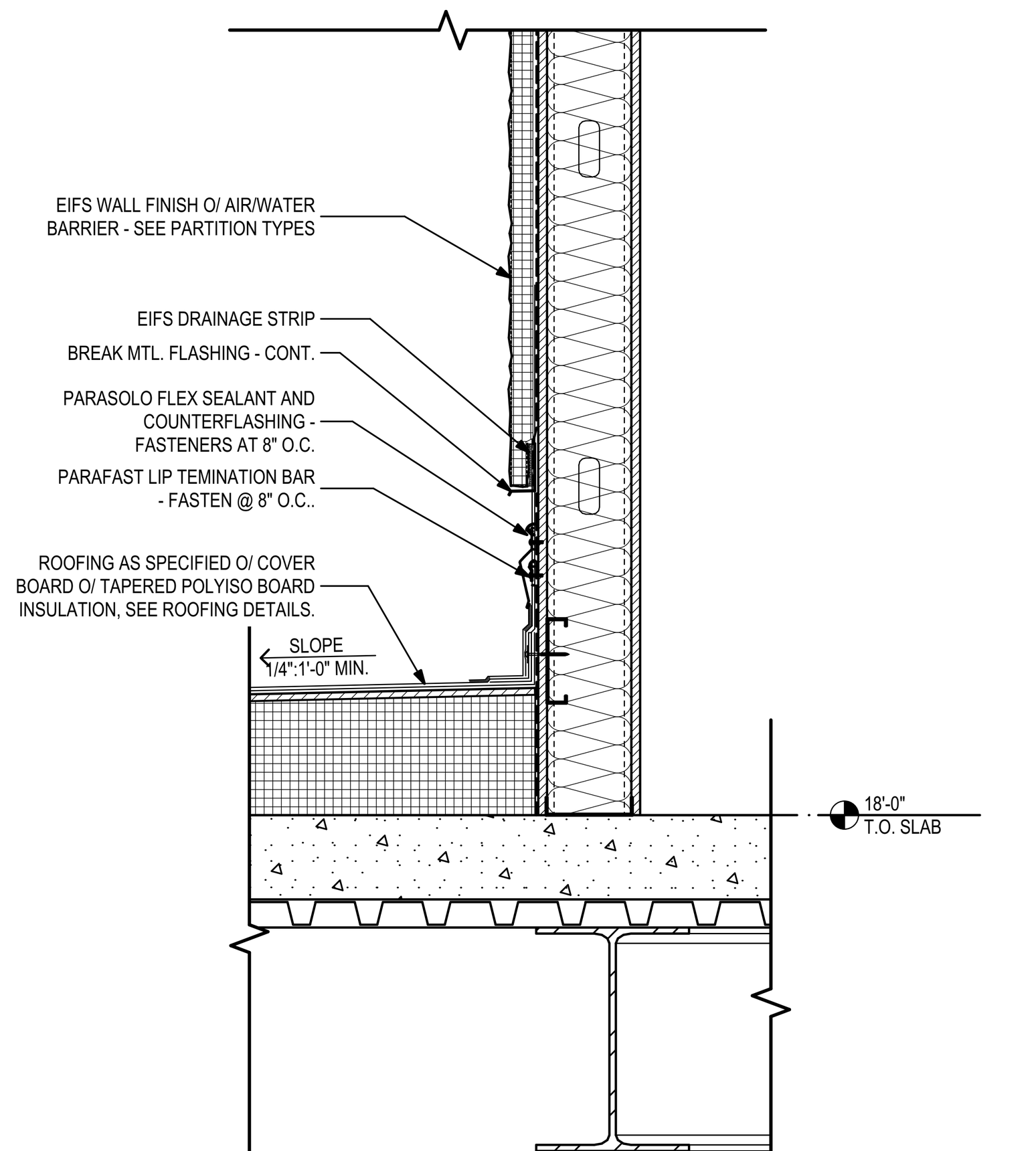
10 High Roof Section - South Entry A3.2
1 1/2" = 1'-0"



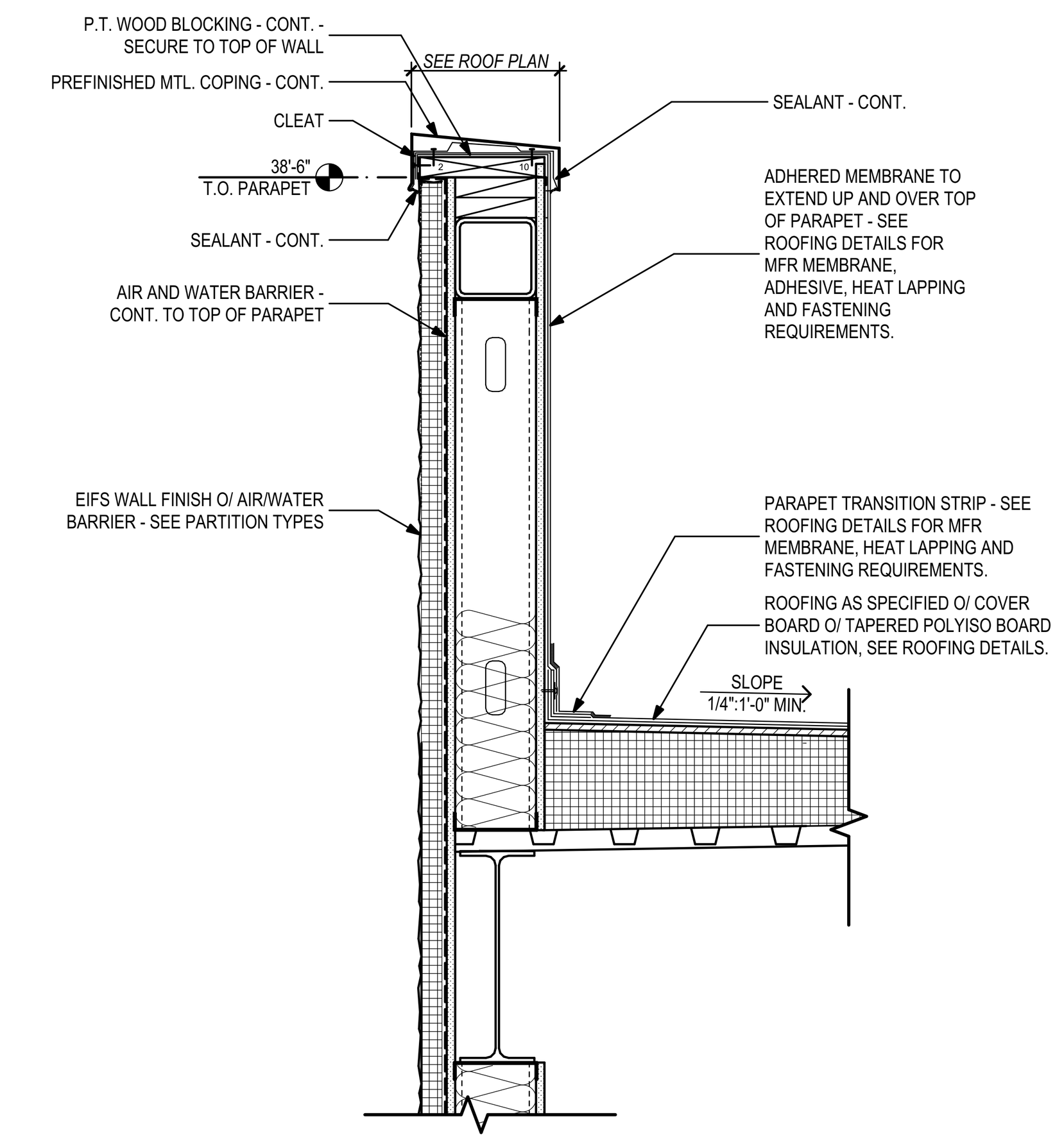
9 High Roof Section at Curtain Wall
1 1/2" = 1'-0"



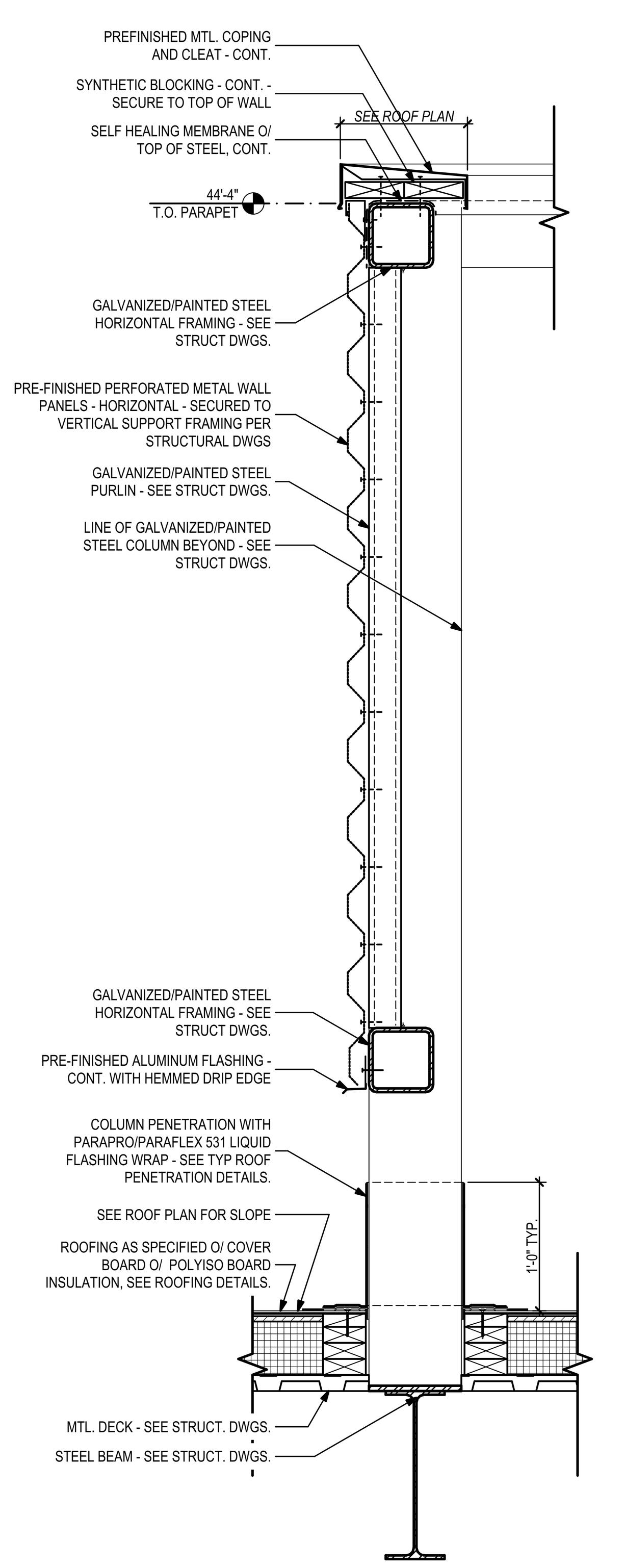
8 Parapet Section - High Roof North A3.2
1" = 1'-0"



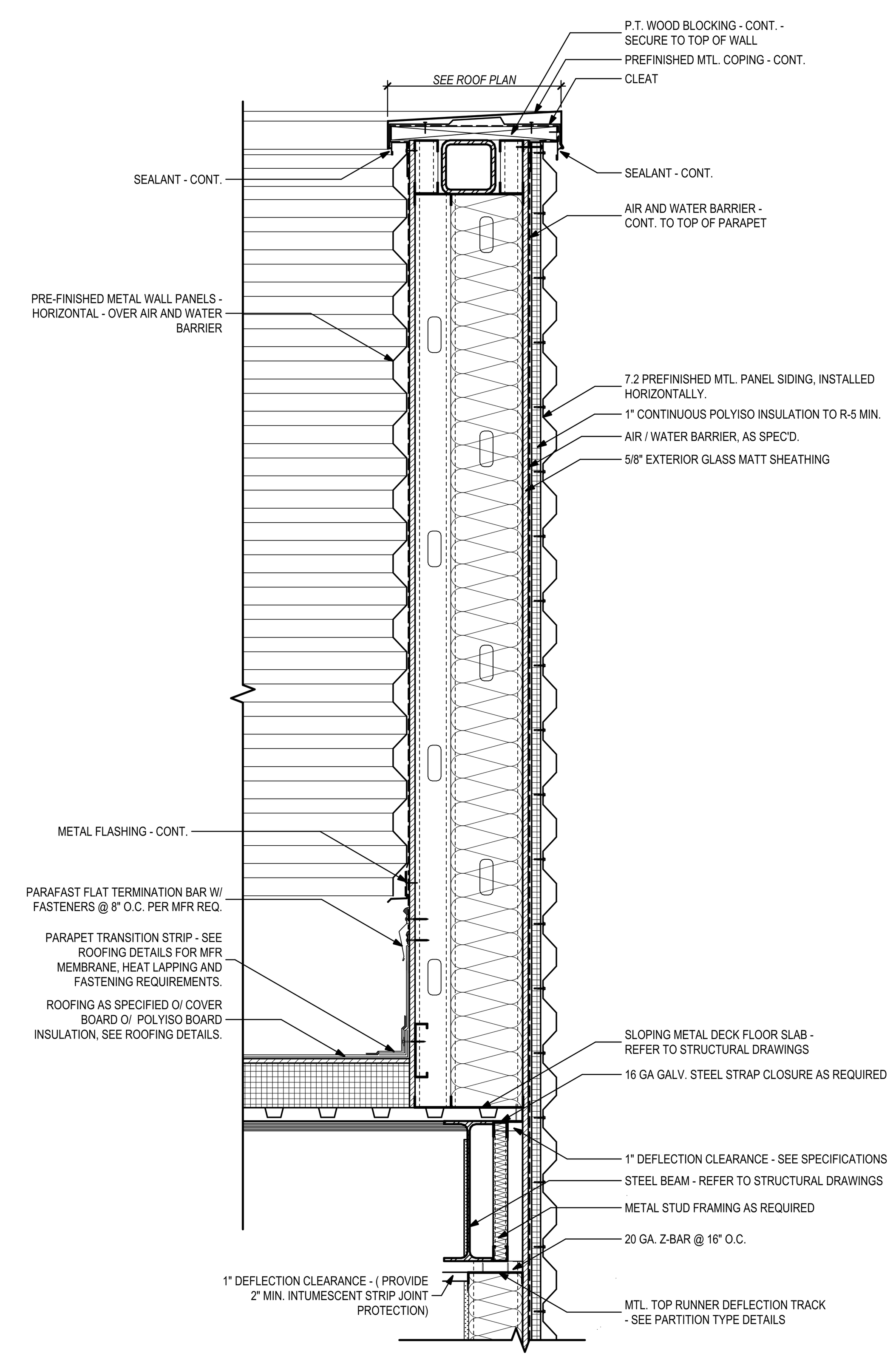
7 Roof Transition Detail - Low Roof A3.1



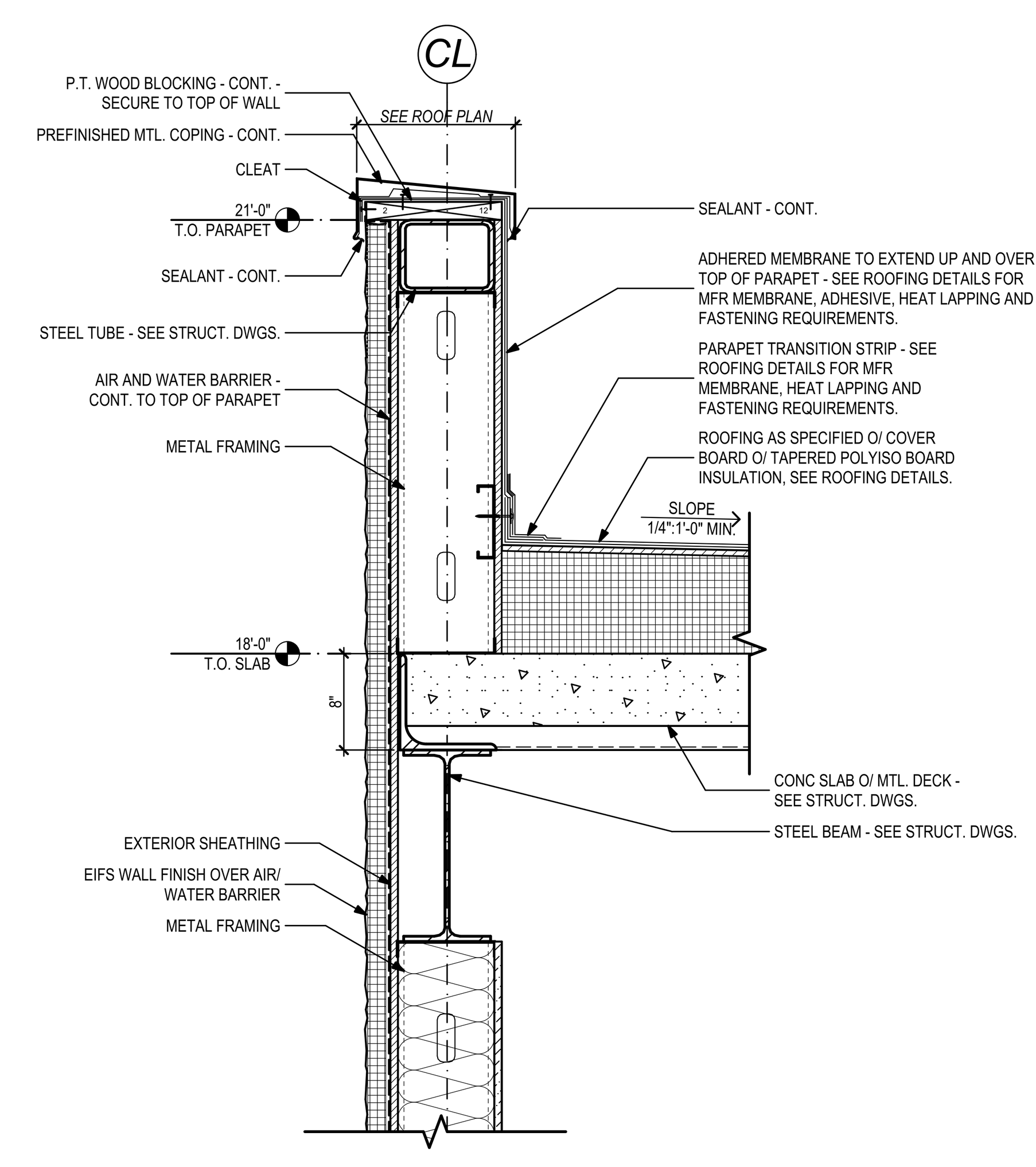
6 Parapet Section - High Roof West A3.2
1" = 1'-0"



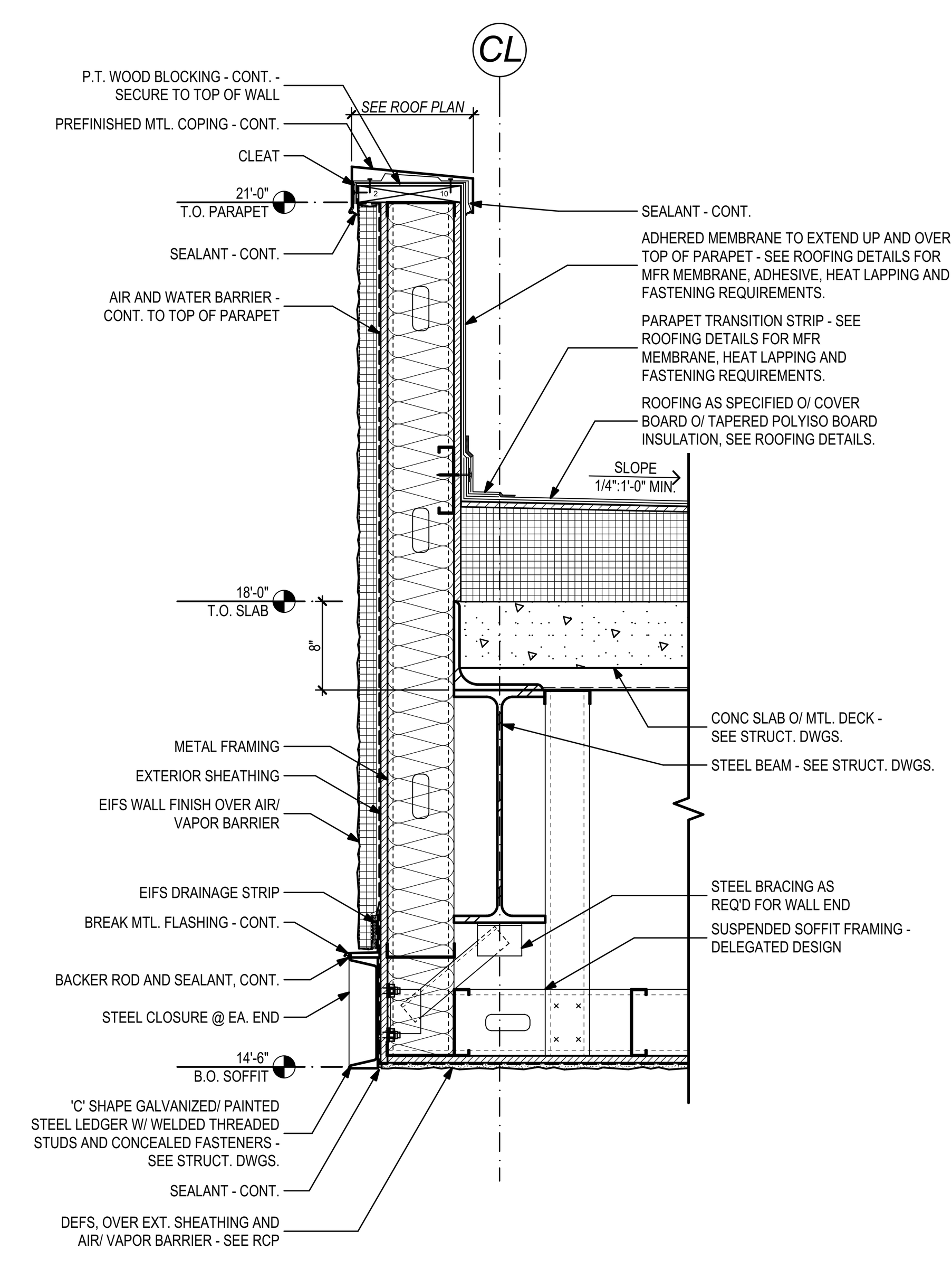
5 Mech. Screen Wall Section A3.1
1" = 1'-0"



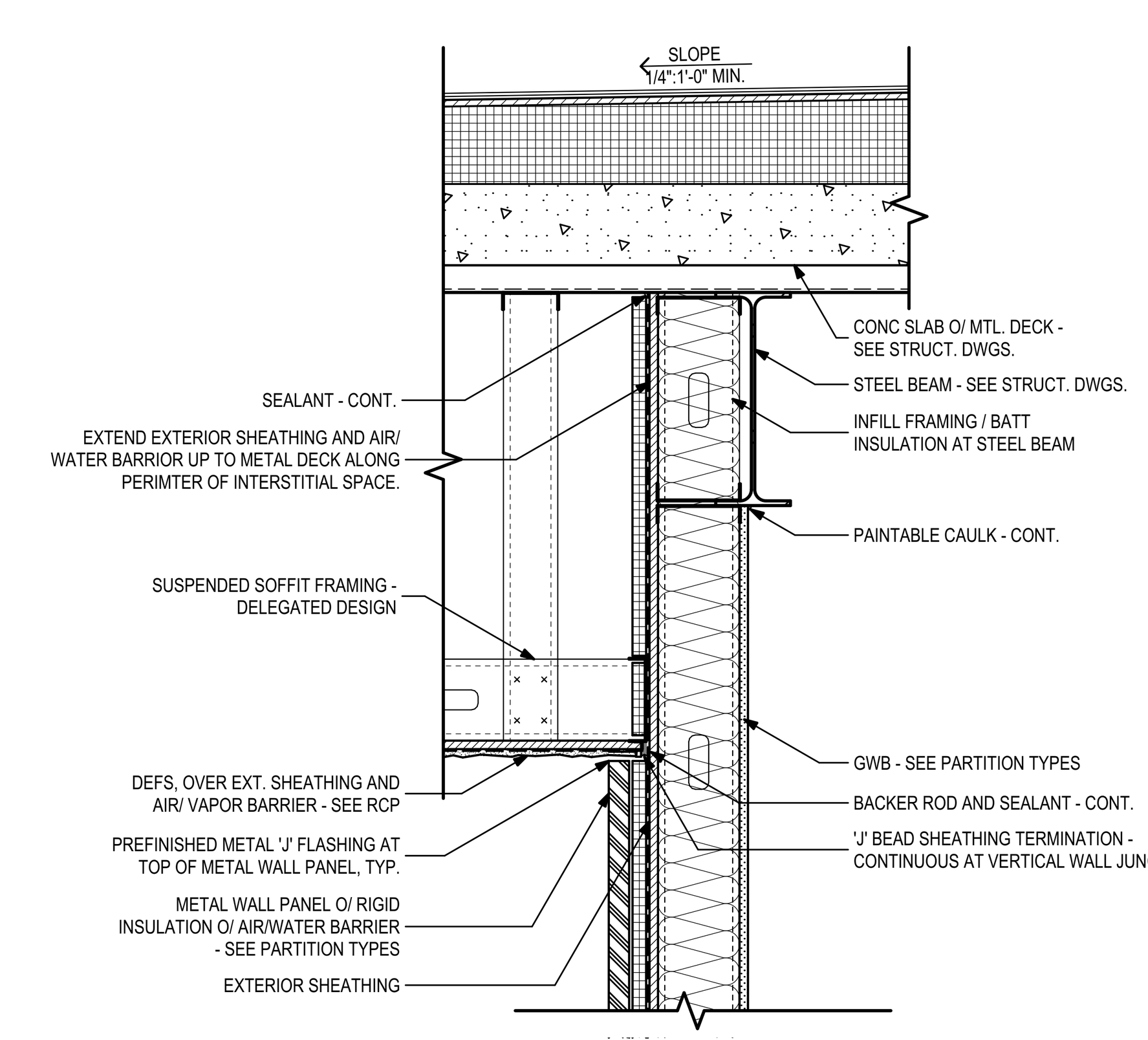
4 Mech. Screen Wall Parapet A3.1
1" = 1'-0"



3 Parapet Section - Low Roof A3.1
1" = 1'-0"



2 Parapet Section - Loading Dock
1" = 1'-0"



1 Loading Dock Soffit at Mtl. Siding
1" = 1'-0"

PHASE:	DRAWN:	REVIEWED:	DATE:	ID:	REVISION:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT	RS, KS, AK, EE	C. WHITLOCK	07/26/21					
50% CONSTRUCTION DOCUMENTS	RS, KS, AK, EE	C. WHITLOCK	10/07/21					
100% CONSTRUCTION DOCUMENTS	RS, KS, BG, AK, EE	C. WHITLOCK	12/09/21					

Client:
Leon County R&D Authority
Tallahassee, Florida

Job Title:
North Florida Innovation Labs

Consultant:

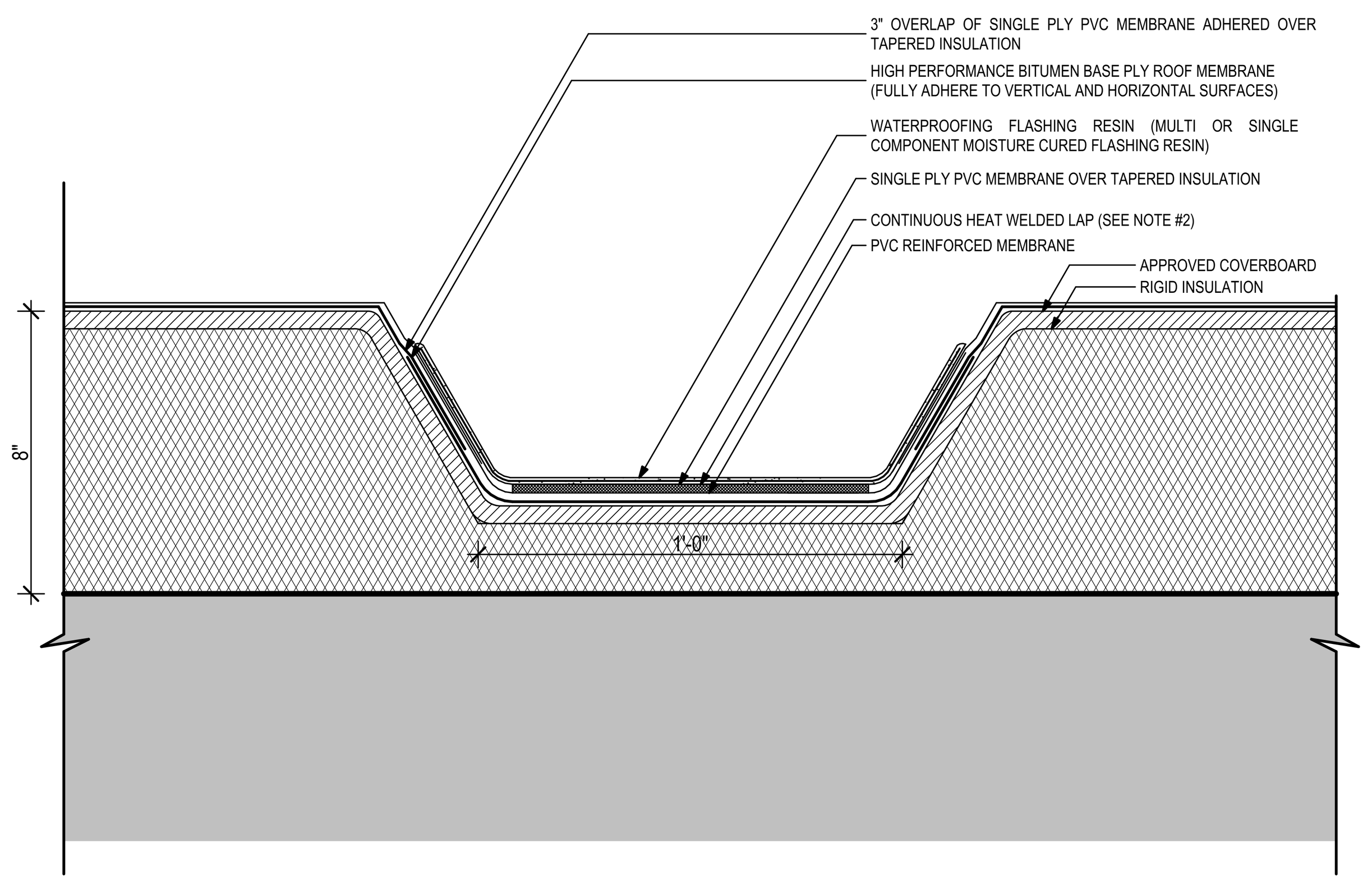
Seal:

Project #: 21414
Phase: 100% Construction Documents

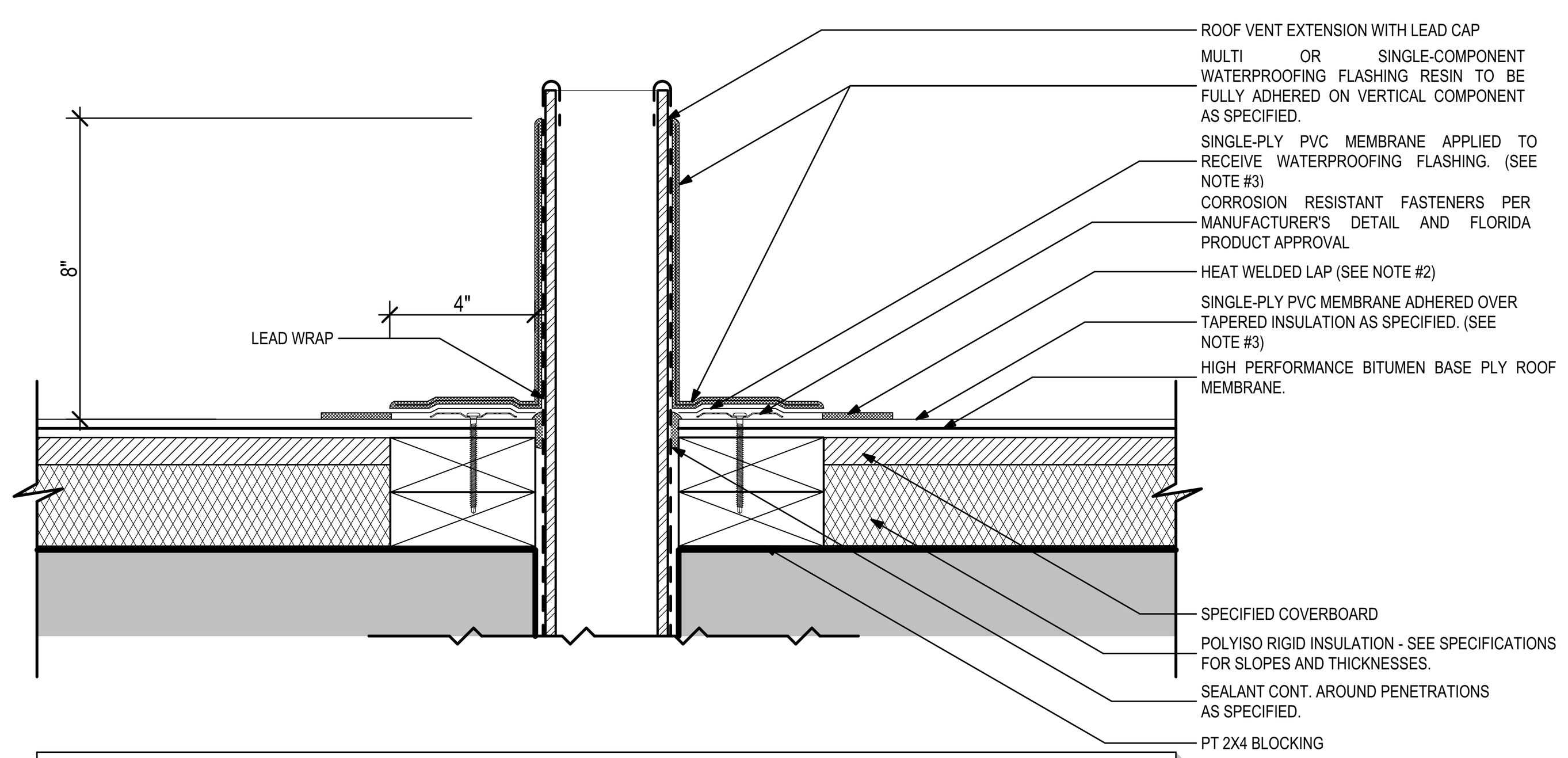
ALW
Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net

Description:
Roof Sections and Details

Sheet No.:
A3.5

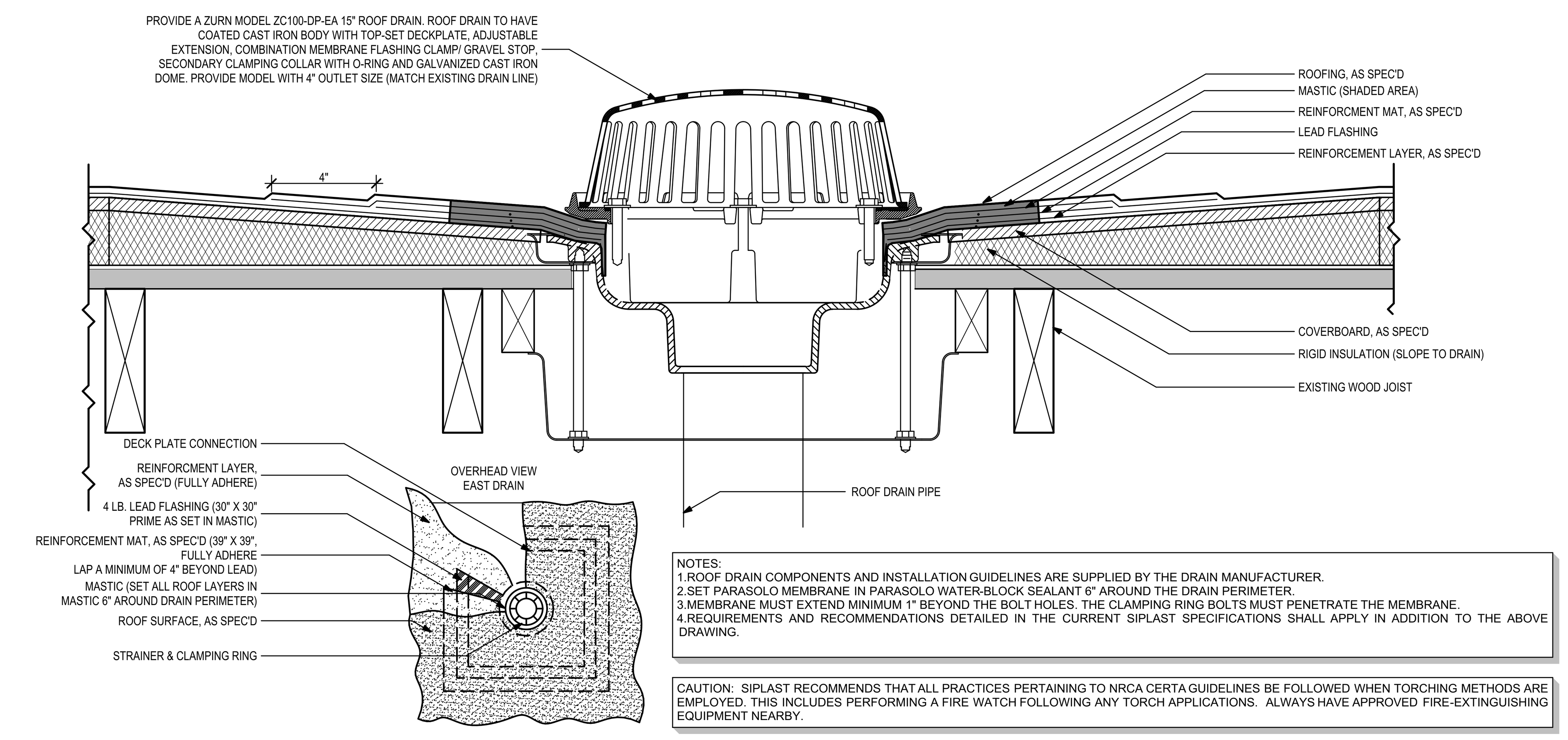


10 Roof Scupper Detail
3" = 1'-0"



NOTES:
1.HIGH PERFORMANCE BITUMEN PLY ROOF MEMBRANE SHOULD BE SEALED IN PHASE-CONSTRUCTION INSTALLATION.
2.FOR HEAT-WELDING LAPS USE 1.5" MIN. WELD WITH AUTOMATIC MACHINE WELDER AND 2" MIN. WELD WITH HAND WELDER.
3.SINGLE PLY PVC MEMBRANE REQUIRES FLASHING.
4.WOOD AND METAL COMPONENTS SHOULD BE DESIGNED/FABRICATED AND INSTALLED ACCORDING TO ACCEPTED INDUSTRY STANDARDS.
5.PENETRATIONS TO RECEIVE FLASHING, MUST BE SECURED TO THE STRUCTURE TO PREVENT MOVEMENT.

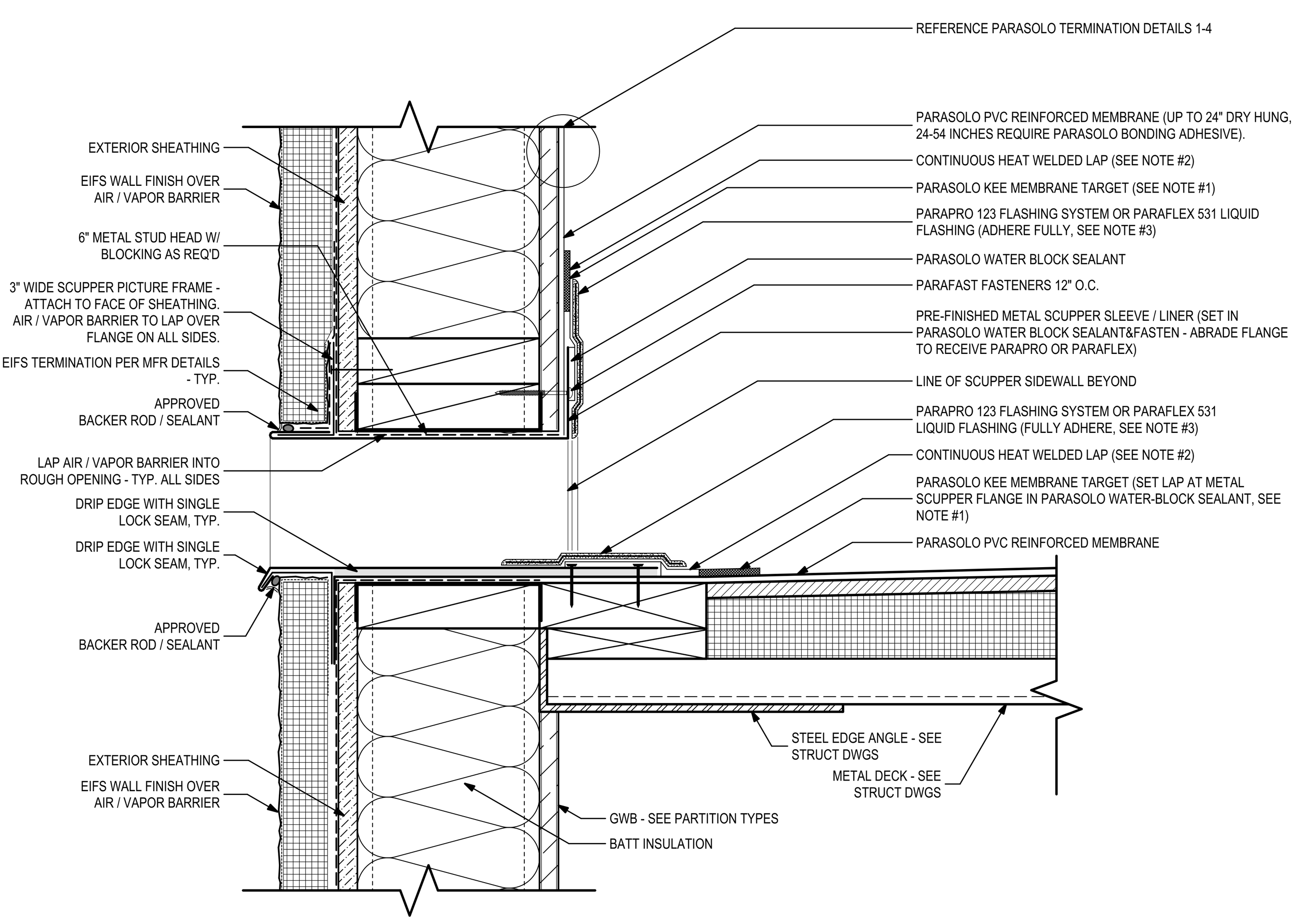
9 Roof Vent Penetration Detail
3" = 1'-0"



NOTES:
1.ROOF DRAIN COMPONENTS AND INSTALLATION GUIDELINES ARE SUPPLIED BY THE DRAIN MANUFACTURER.
2.SET PARASOLO MEMBRANE IN PARASOLO WATER-BLOCK SEALANT 6" AROUND THE DRAIN PERIMETER.
3.MEMBRANE MUST EXTEND MINIMUM 1" BEYOND THE BOLT HOLES. THE CLAMPING RING BOLTS MUST PENETRATE THE MEMBRANE.
4.REQUIREMENTS AND RECOMMENDATIONS DETAILED IN THE CURRENT SIPLAST SPECIFICATIONS SHALL APPLY IN ADDITION TO THE ABOVE DRAWING.

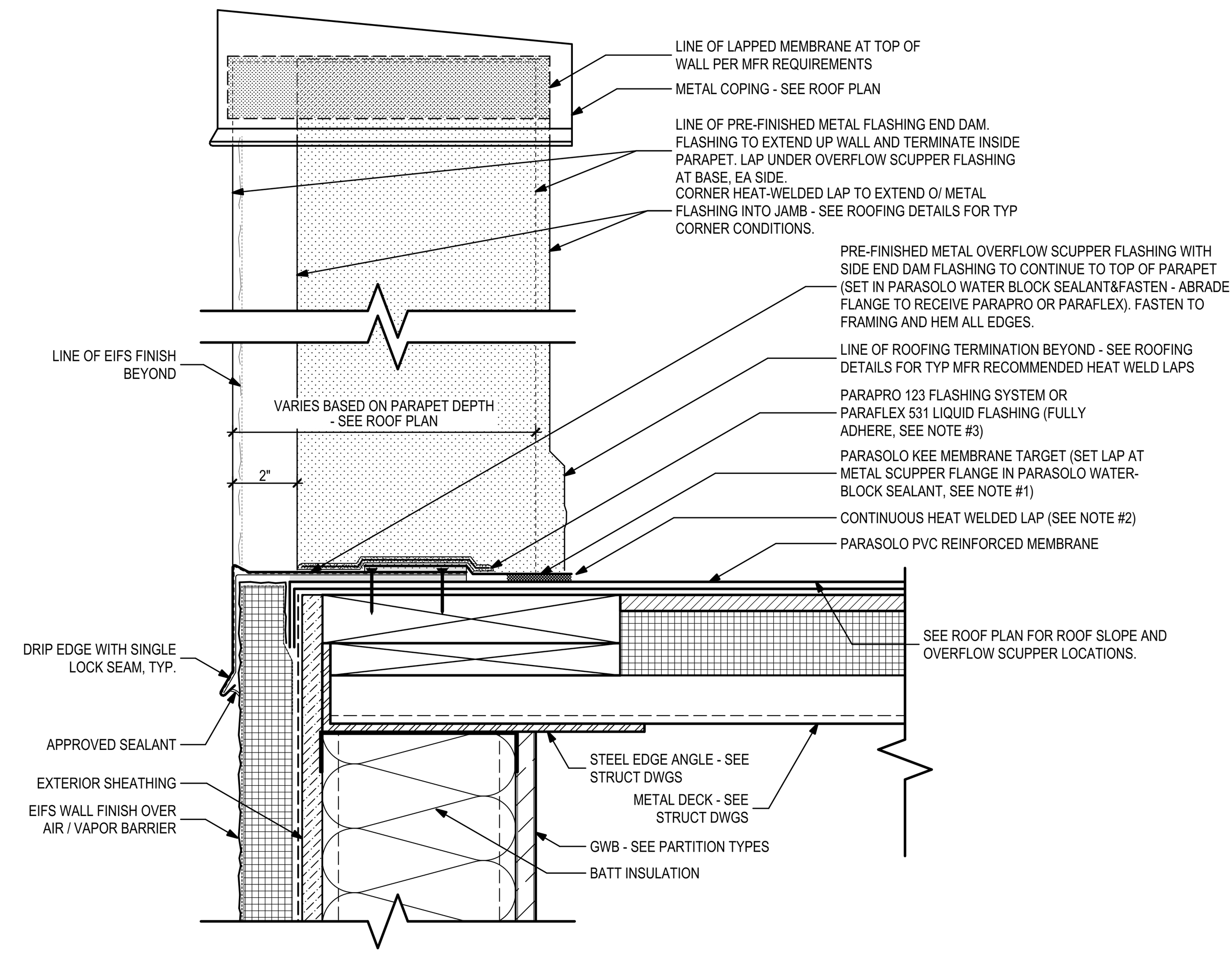
CAUTION: SIPLAST RECOMMENDS THAT ALL PRACTICES PERTAINING TO NRCA CERTA GUIDELINES BE FOLLOWED WHEN TORCHING METHODS ARE EMPLOYED. THIS INCLUDES PERFORMING A FIRE WATCH FOLLOWING ANY TORCH APPLICATIONS. ALWAYS HAVE APPROVED FIRE-EXTINGUISHING EQUIPMENT NEARBY.

8 Roof Drain Detail
3" = 1'-0"



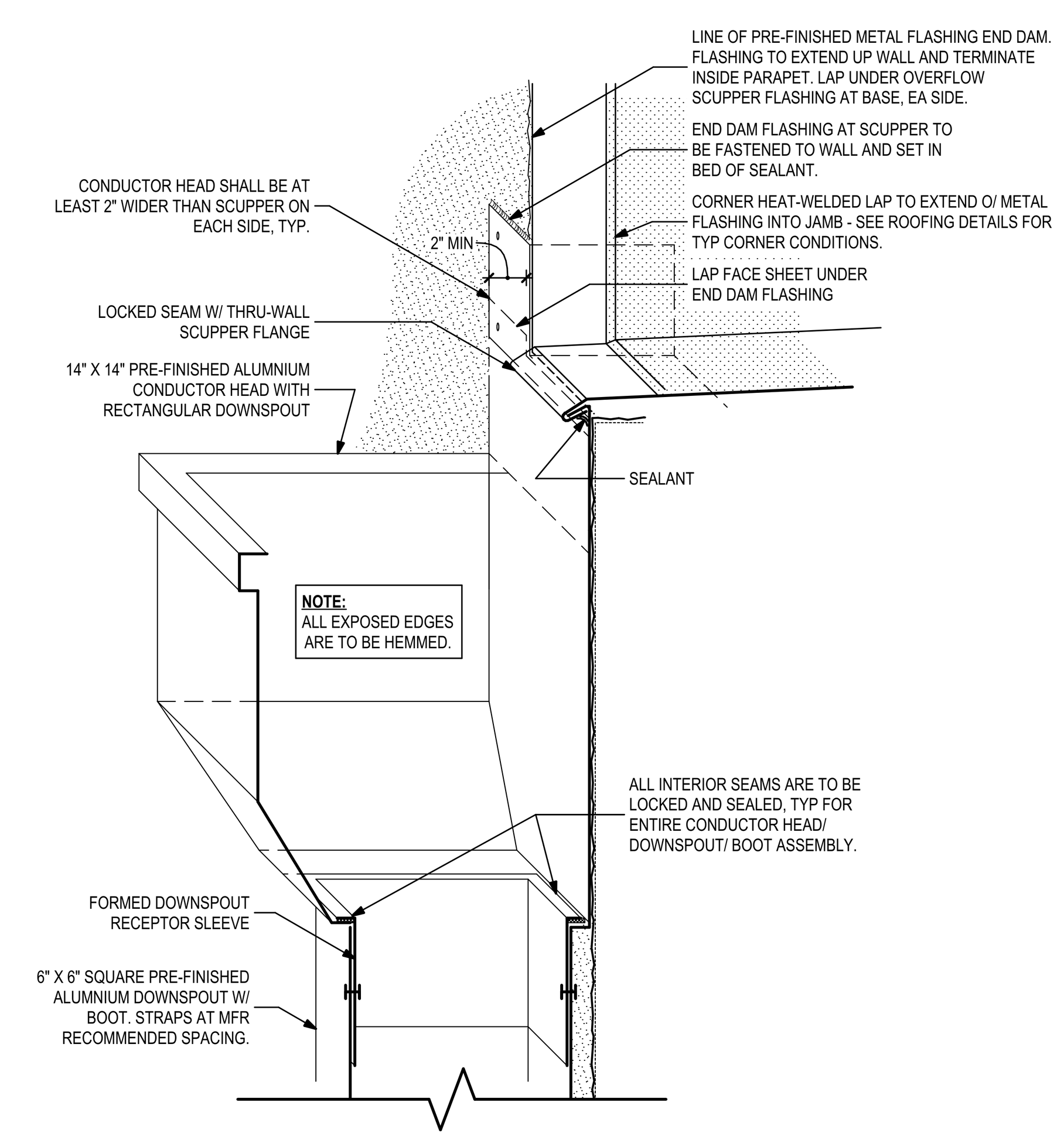
NOTES:
1.PARASOLO KEE MEMBRANE IS REQUIRED AT LOCATIONS TO RECEIVE PARAPRO OR PARAFLEX 531 LIQUID FLASHING SYSTEMS.
2.FOR HEAT-WELDING LAPS USE 1.5" MIN. WELD WITH AUTOMATIC MACHINE WELDER AND 2" MIN. WELD WITH HAND WELDER.
3.REFER TO SIPLAST PREPARATION GUIDELINES FOR PROPER SURFACE TREATMENT OF ALL MATERIALS PRIOR TO APPLICATION OF PARAPRO OR PARAFLEX 531 LIQUID FLASHING MATERIALS.
4.THE CARPENTRY AND METAL WORK SHOWN DEPICT SHOP FABRICATION AND JOB-SITE ASSEMBLY. THESE COMPONENTS SHOULD BE DESIGNED/FABRICATED/INSTALLED ACCORDING TO GENERALLY ACCEPTED INDUSTRY PRACTICES, STANDARDS, AND APPROVALS.
5.DISSIMILAR METAL TYPES SUBJECT TO ELECTROLYTIC REACTION SHOULD BE PHYSICALLY SEPARATED.
6.REQUIREMENTS AND RECOMMENDATIONS DETAILED IN CURRENT SIPLAST SPECIFICATIONS SHALL APPLY IN ADDITION TO THE ABOVE DRAWING.

7 Typ. Thru-Wall Scupper
3" = 1'-0"

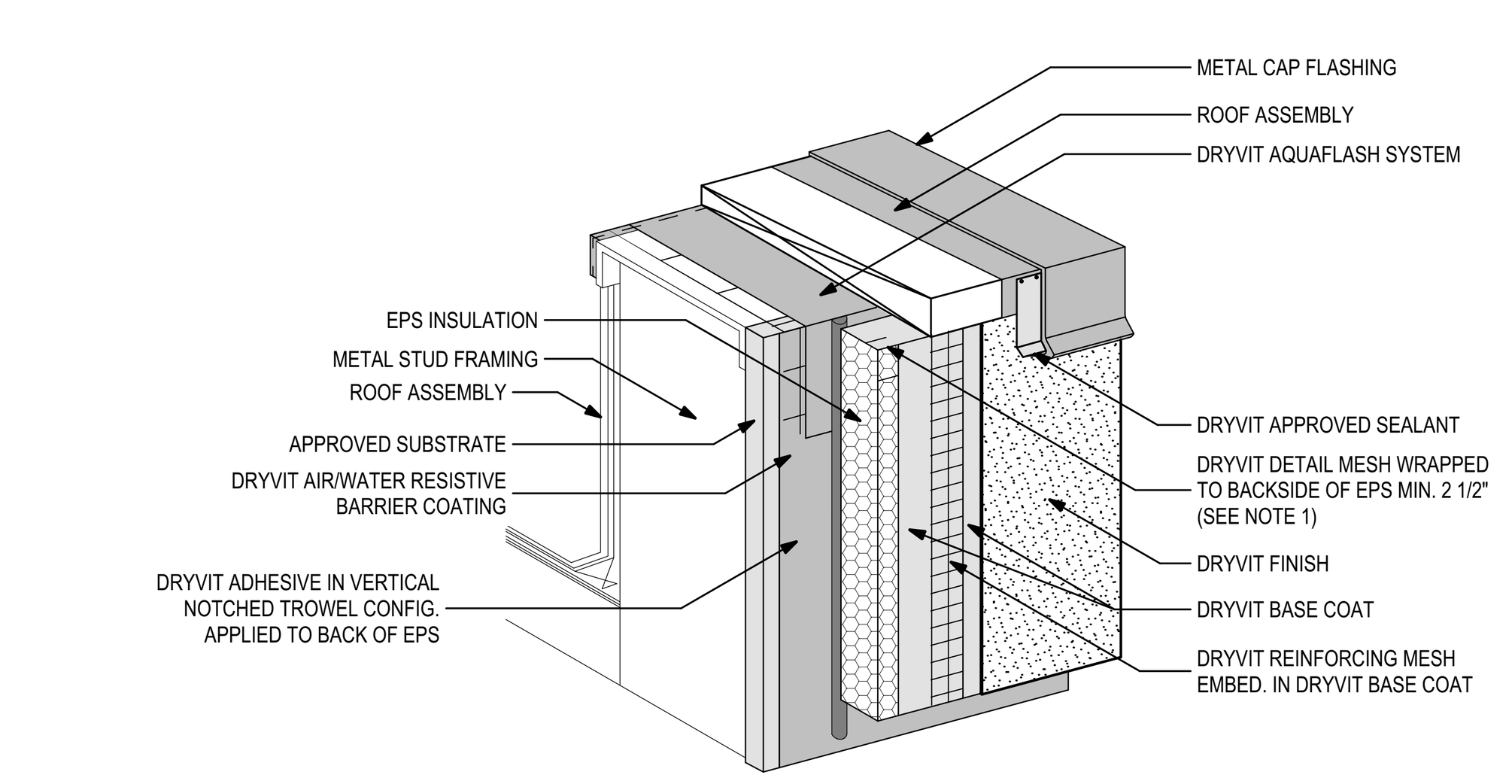


NOTES:
1.PARASOLO KEE MEMBRANE IS REQUIRED AT LOCATIONS TO RECEIVE PARAPRO OR PARAFLEX 531 LIQUID FLASHING SYSTEMS.
2.FOR HEAT-WELDING LAPS USE 1.5" MIN. WELD WITH AUTOMATIC MACHINE WELDER AND 2" MIN. WELD WITH HAND WELDER.
3.REFER TO SIPLAST PREPARATION GUIDELINES FOR PROPER SURFACE TREATMENT OF ALL MATERIALS PRIOR TO APPLICATION OF PARAPRO OR PARAFLEX 531 LIQUID FLASHING MATERIALS.
4.THE CARPENTRY AND METAL WORK SHOWN DEPICT SHOP FABRICATION AND JOB-SITE ASSEMBLY. THESE COMPONENTS SHOULD BE DESIGNED/FABRICATED/INSTALLED ACCORDING TO GENERALLY ACCEPTED INDUSTRY PRACTICES, STANDARDS, AND APPROVALS.
5.DISSIMILAR METAL TYPES SUBJECT TO ELECTROLYTIC REACTION SHOULD BE PHYSICALLY SEPARATED.
6.REQUIREMENTS AND RECOMMENDATIONS DETAILED IN CURRENT SIPLAST SPECIFICATIONS SHALL APPLY IN ADDITION TO THE ABOVE DRAWING.

6 Typ. Overflow Scupper at Break in Parapet
3" = 1'-0"

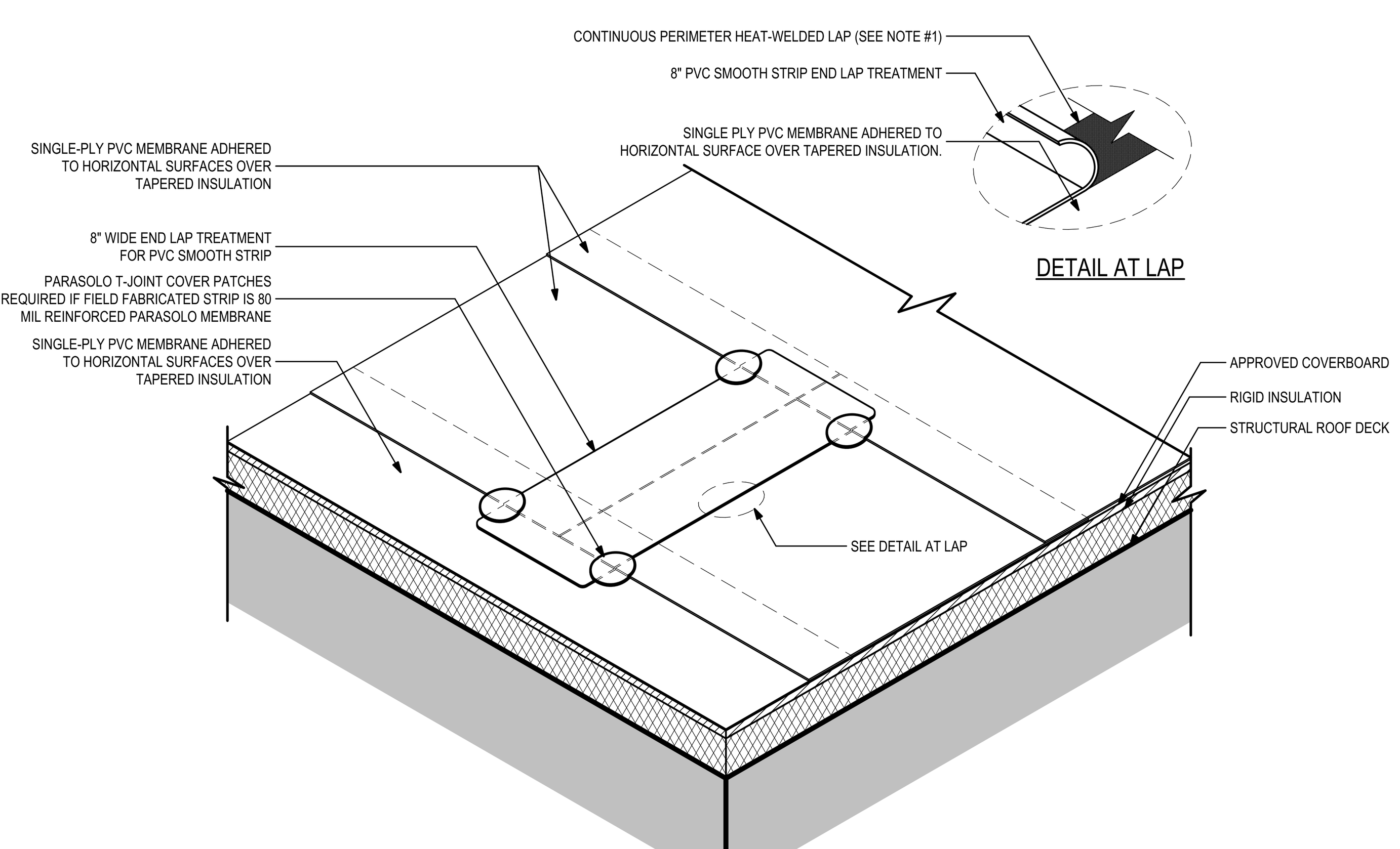


5 Conductor Head at Scupper
NOT TO SCALE



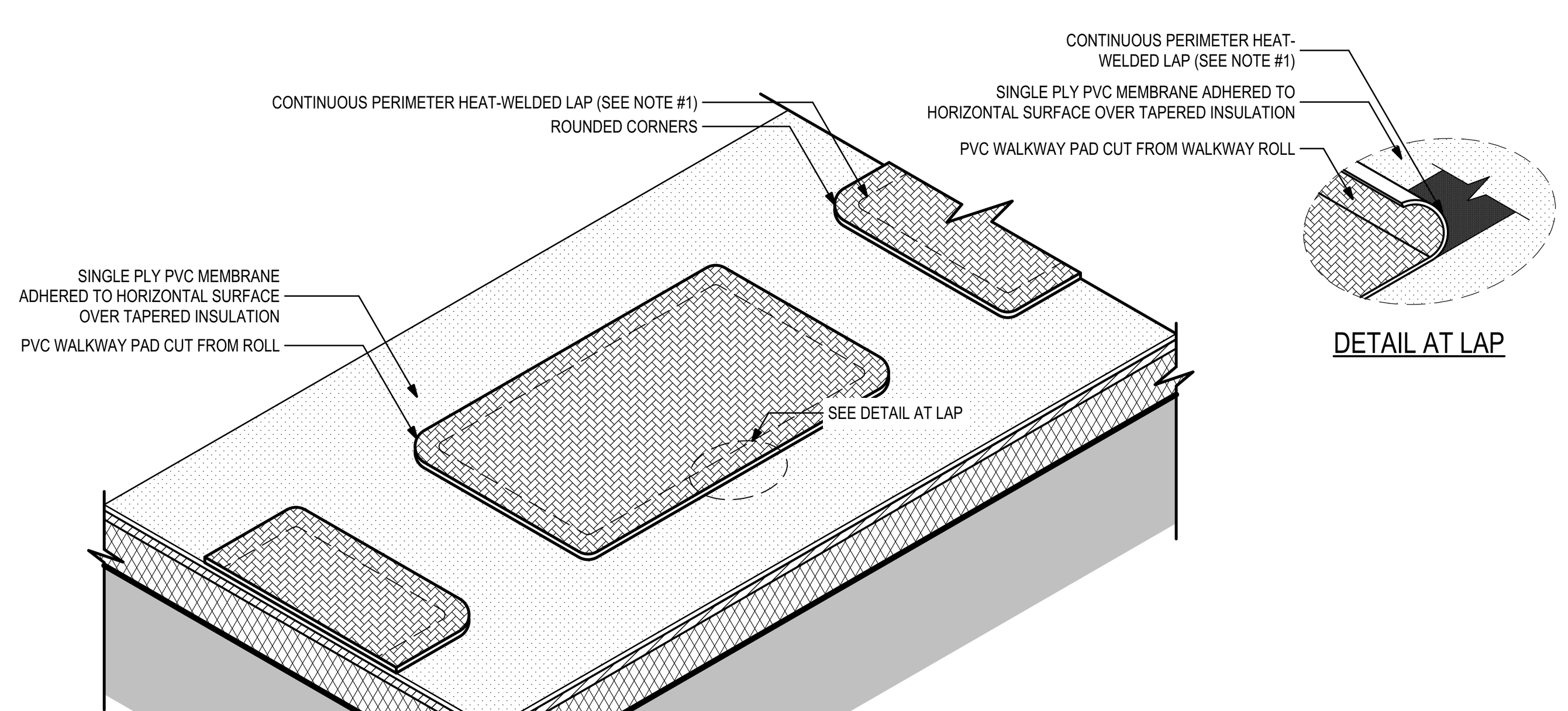
NOTES:
1.EDGE WRAPPING METHOD IS ACCEPTABLE IN LIEU OF BACK WRAPPING. DRYVIT REINFORCING MESH MUST BE FULLY EMBEDDED IN DRYVIT BASE COAT AT EPS EDGE AND EXTEND ONTO SUBSTRATE 2 1/2" MIN.

4 Termination at Parapet - Cap Flashing
NOT TO SCALE



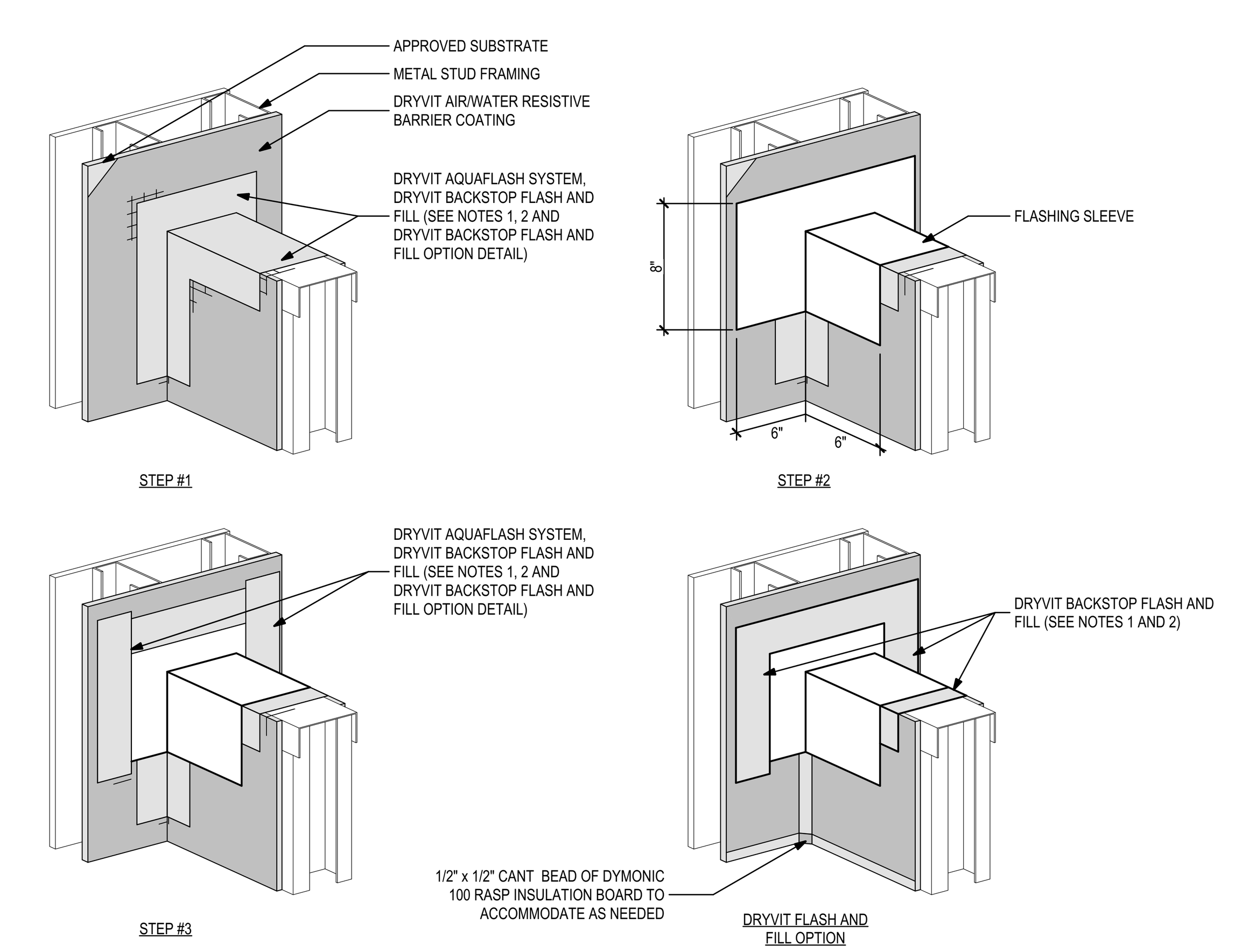
NOTES:
1.FOR HEAT-WELDING LAPS USE 1.5" MIN. WELD WITH AUTOMATIC MACHINE WELDER AND 2" MIN. WELD WITH HAND WELDER.

3 Cover Strip End Lap Treatment Detail
1 1/2"= 1'-0"



NOTES:
1.FOR HEAT-WELDING LAPS USE 1.5" MIN. WELD WITH AUTOMATIC MACHINE WELDER AND 2" MIN. WELD WITH HAND WELDER.
2.DO NOT CROSS SEAMS WITH WALKWAY PADS 6" OFF EACH SEAM.
3.REQUIRED AT ALL ROOF ACCESS POINTS.

2 Heat Welded Walkway Installation Detail
1 1/2"= 1'-0"



NOTES:
1.REFER TO PRODUCT DATASHEETS FOR SPECIFIC APPLICATION METHODS.
2.THE ONLY WRB TO BE USED WITH BACKSTOP FLASH AND FILL IS BACKSTOP NT

1 Preparation at Parapet/Wall Intersection
NOT TO SCALE

PHASE:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT	RS, KS, AK, EE	C. WHITLOCK	07/30/21
50% CONSTRUCTION DOCUMENTS	RS, KS, AK, EE	C. WHITLOCK	10/07/21
100% CONSTRUCTION DOCUMENTS	RS, KS, BG, AK, EE	C. WHITLOCK	12/09/21

ID:	REVISION:	DRAWN:	REVIEWED:	DATE:

Seal:

Consultant:

Client:
Leon County R&D Authority
Tallahassee, Florida

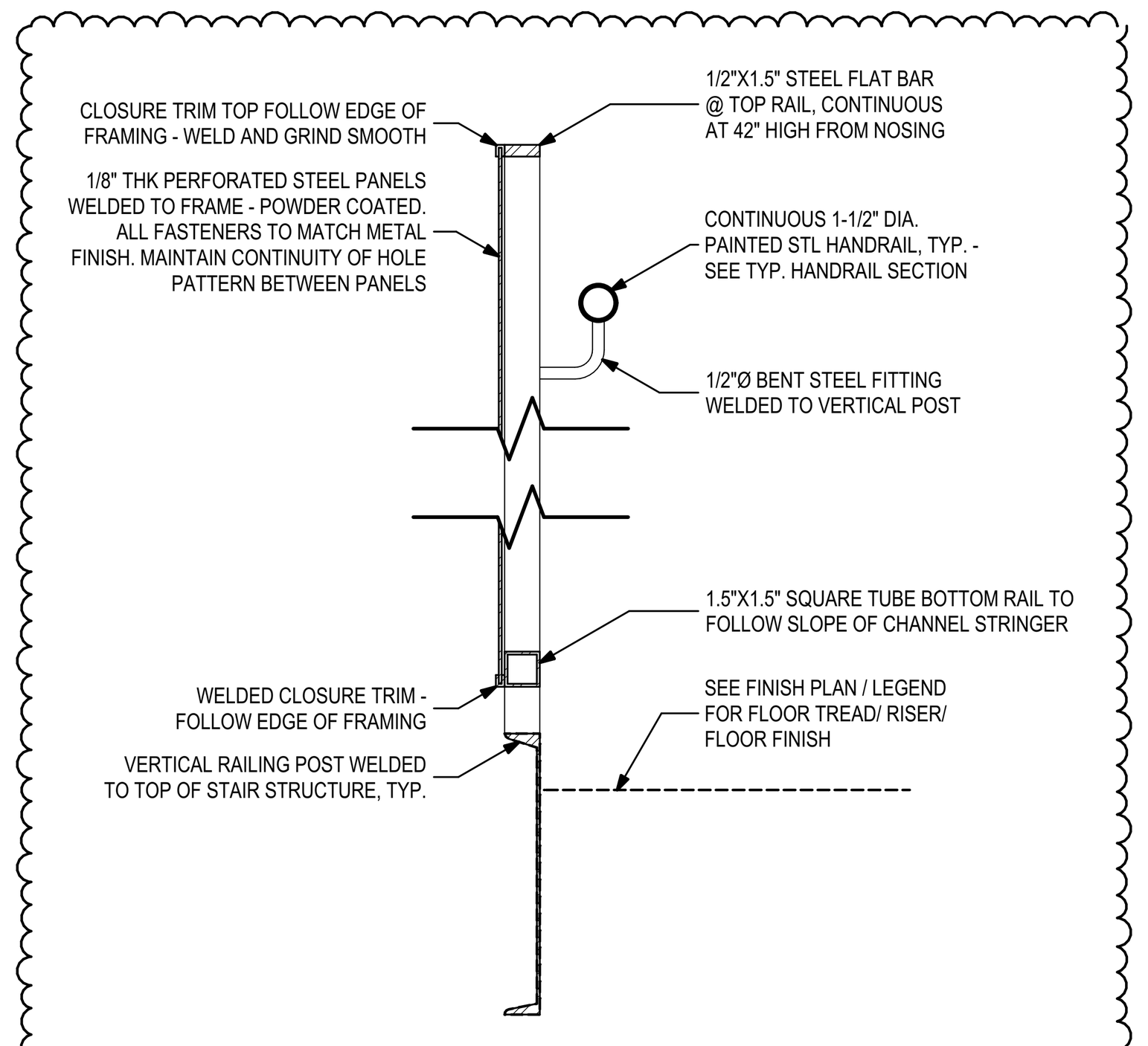
Job Title:
North Florida Innovation Labs

Project #: 21414
Phase: 100% Construction Documents

ALW
Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net

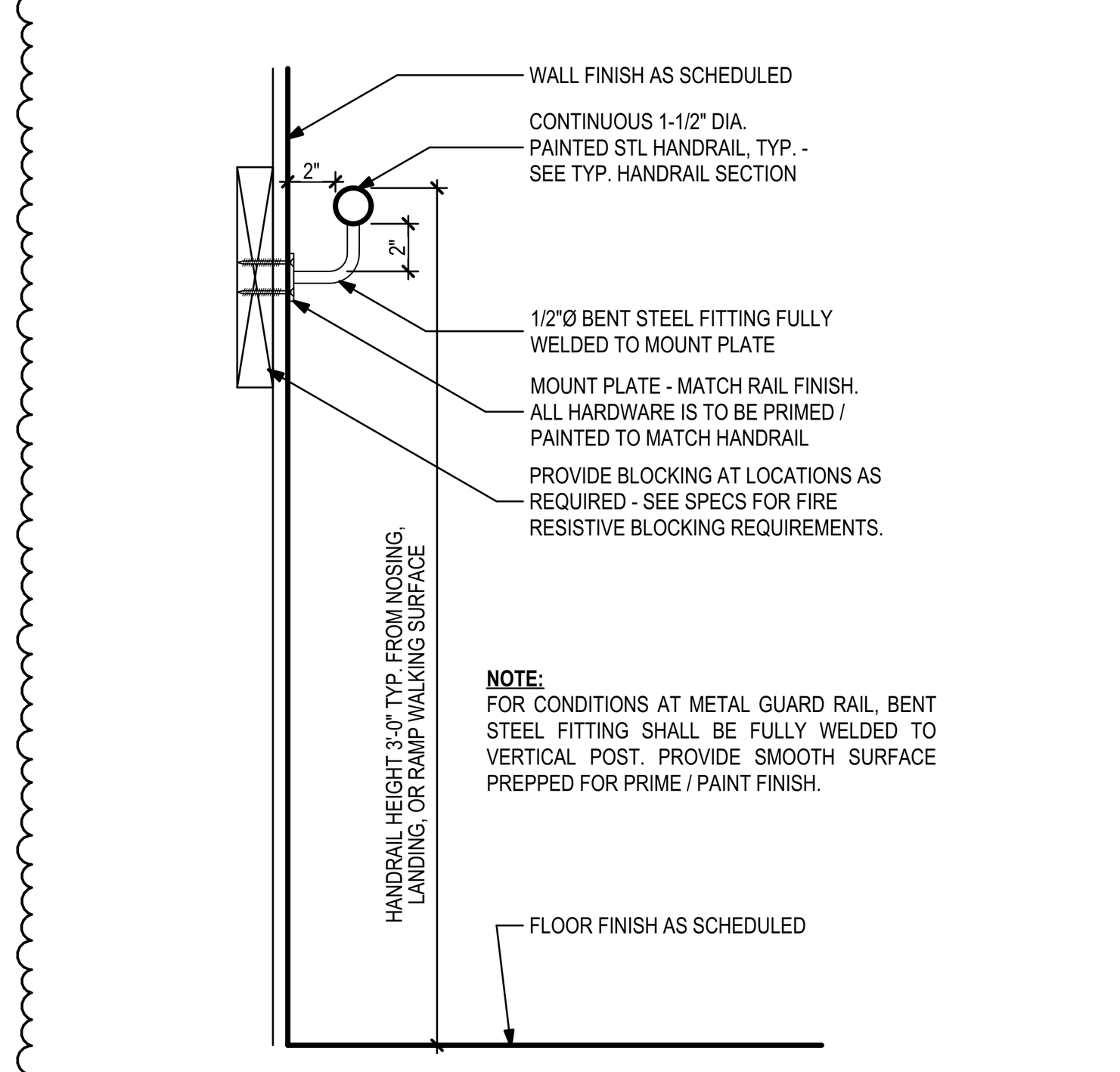
Description:
Roof Sections and Details

Sheet No.:
A3.6



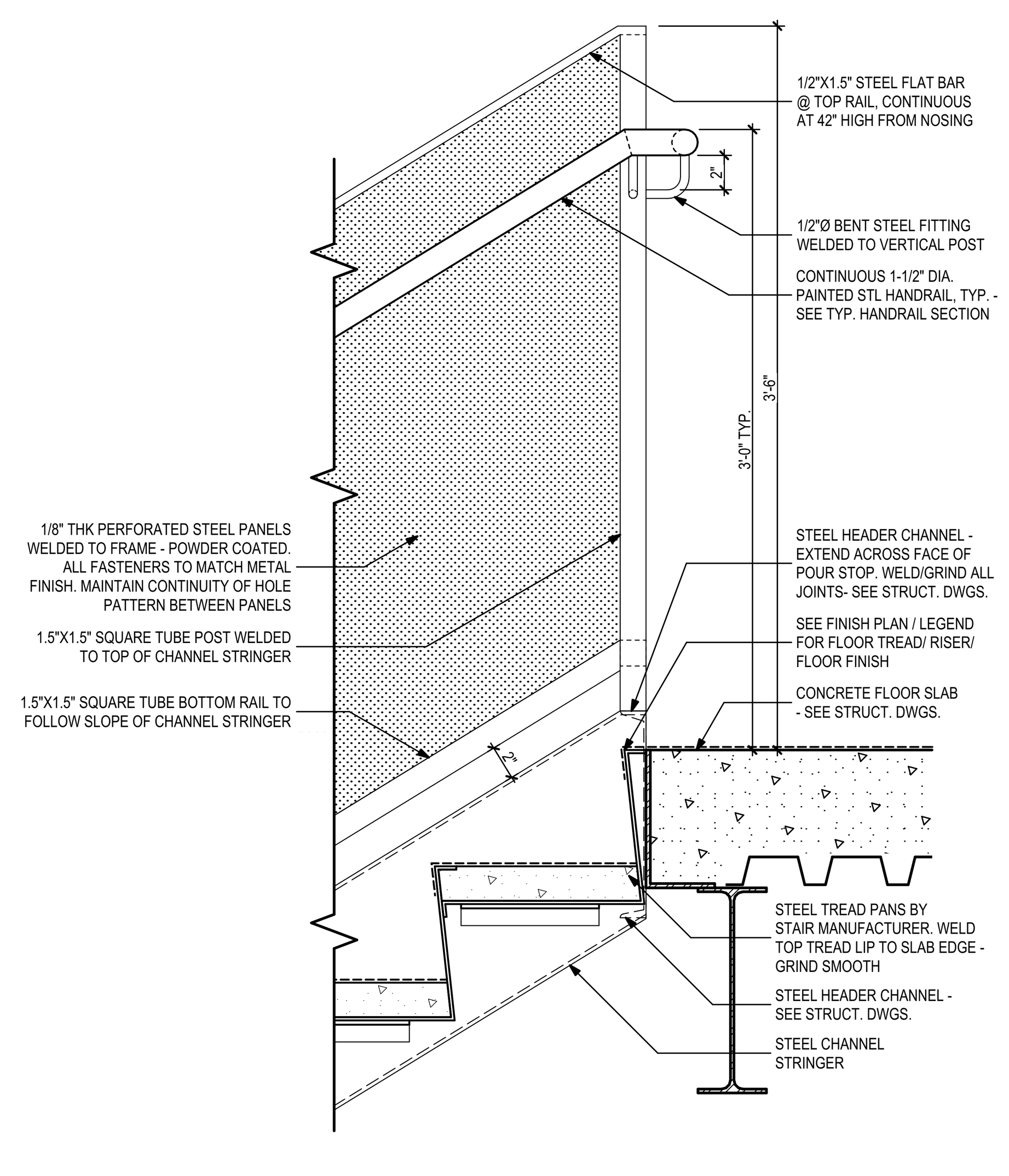
CLOSURE TRIM TOP FOLLOW EDGE OF FRAMING - WELD AND GRIND SMOOTH
1/8" THK PERFORATED STEEL PANELS WELDED TO FRAME - POWDER COATED. ALL FASTENERS TO MATCH METAL FINISH. MAINTAIN CONTINUITY OF HOLE PATTERN BETWEEN PANELS
1/2"X1.5" STEEL FLAT BAR @ TOP RAIL, CONTINUOUS AT 42" HIGH FROM NOSING
CONTINUOUS 1-1/2" DIA. PAINTED STL HANDRAIL, TYP. - SEE TYP. HANDRAIL SECTION
1/2"Ø BENT STEEL FITTING WELDED TO VERTICAL POST
1.5"X1.5" SQUARE TUBE BOTTOM RAIL TO FOLLOW SLOPE OF CHANNEL STRINGER
WELDED CLOSURE TRIM - FOLLOW EDGE OF FRAMING
SEE FINISH PLAN / LEGEND FOR FLOOR TREAD/ RISER/ FLOOR FINISH
VERTICAL RAILING POST WELDED TO TOP OF STAIR STRUCTURE, TYP.

8 Typ. Guard Rail Section - Stair 1
1 1/2" = 1'-0"



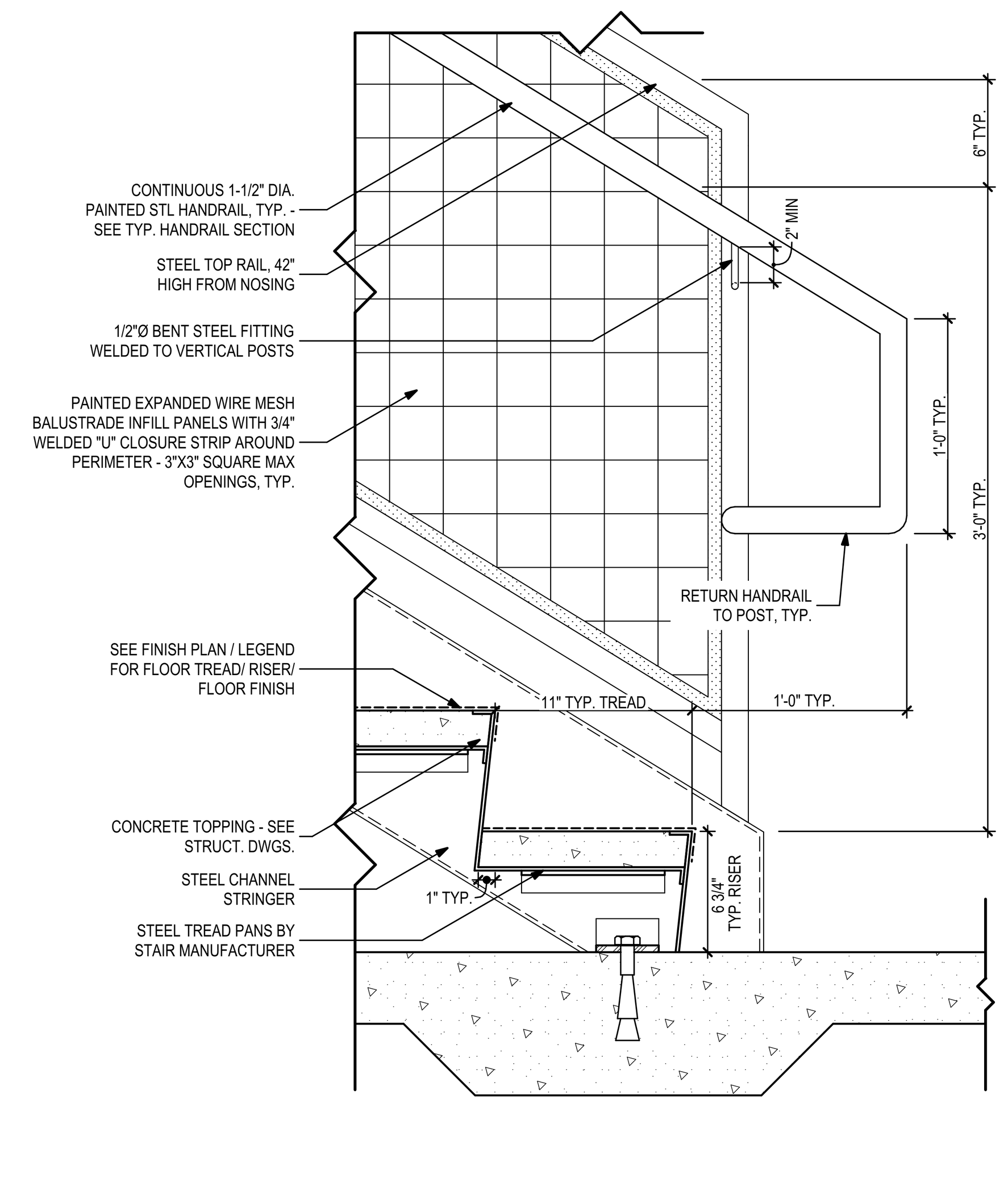
WALL FINISH AS SCHEDULED
CONTINUOUS 1-1/2" DIA. PAINTED STL HANDRAIL, TYP. - SEE TYP. HANDRAIL SECTION
1/2"Ø BENT STEEL FITTING FULLY WELDED TO MOUNT PLATE
MOUNT PLATE - MATCH RAIL FINISH. ALL HARDWARE IS TO BE PRIMED / PAINTED TO MATCH HANDRAIL
PROVIDE BLOCKING AT LOCATIONS AS REQUIRED - SEE SPECS FOR FIRE RESISTIVE BLOCKING REQUIREMENTS.
NOTE:
FOR CONDITIONS AT METAL GUARD RAIL, BENT STEEL FITTING SHALL BE FULLY WELDED TO VERTICAL POST. PROVIDE SMOOTH SURFACE PREPPED FOR PRIME / PAINT FINISH.
HANDRAIL HEIGHT 3'-0" TYP. FROM NOSING, LANDING, OR RAMP WALKING SURFACE.
FLOOR FINISH AS SCHEDULED

7 Typ. Wall-Mounted Handrail Detail
1 1/2" = 1'-0"



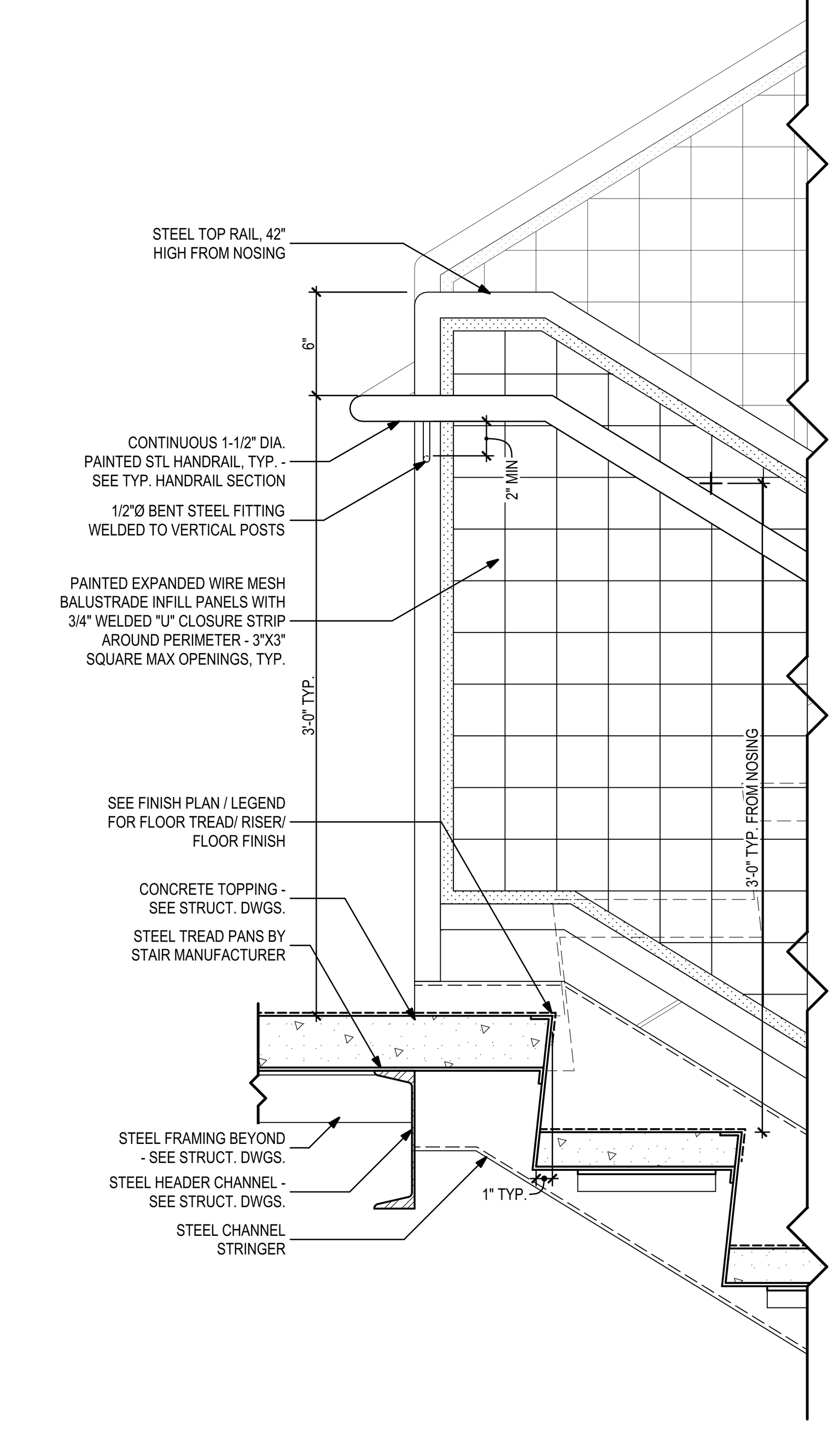
1/2"X1.5" STEEL FLAT BAR @ TOP RAIL, CONTINUOUS AT 42" HIGH FROM NOSING
1/2"Ø BENT STEEL FITTING WELDED TO VERTICAL POST
CONTINUOUS 1-1/2" DIA. PAINTED STL HANDRAIL, TYP. - SEE TYP. HANDRAIL SECTION
3'-0" TYP.
3'-6"
1/8" THK PERFORATED STEEL PANELS WELDED TO FRAME - POWDER COATED. ALL FASTENERS TO MATCH METAL FINISH. MAINTAIN CONTINUITY OF HOLE PATTERN BETWEEN PANELS
1.5"X1.5" SQUARE TUBE POST WELDED TO TOP OF CHANNEL STRINGER
1.5"X1.5" SQUARE TUBE BOTTOM RAIL TO FOLLOW SLOPE OF CHANNEL STRINGER
STEEL HEADER CHANNEL - EXTEND ACROSS FACE OF POUR STOP. WELD/GRIND ALL JOINTS- SEE STRUCT. DWGS.
SEE FINISH PLAN / LEGEND FOR FLOOR TREAD/ RISER/ FLOOR FINISH
CONCRETE FLOOR SLAB - SEE STRUCT. DWGS.
STEEL TREAD PANS BY STAIR MANUFACTURER. WELD TOP TREAD LIP TO SLAB EDGE - GRIND SMOOTH
STEEL HEADER CHANNEL - SEE STRUCT. DWGS.
STEEL CHANNEL STRINGER

6 Top Landing Detail - Stair 1
1 1/2" = 1'-0"



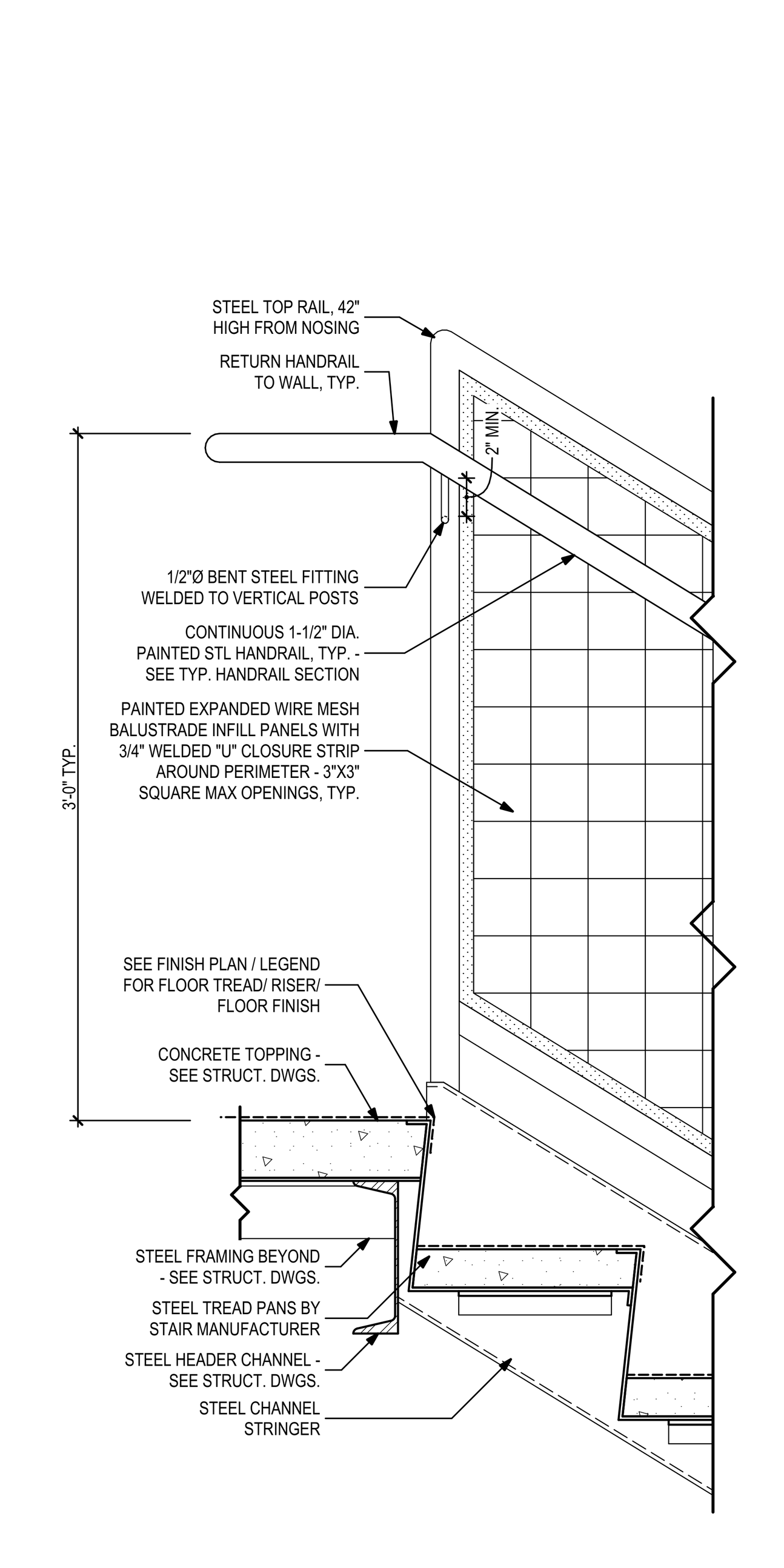
CONTINUOUS 1-1/2" DIA. PAINTED STL HANDRAIL, TYP. - SEE TYP. HANDRAIL SECTION
STEEL TOP RAIL, 42" HIGH FROM NOSING
1/2"Ø BENT STEEL FITTING WELDED TO VERTICAL POSTS
PAINTED EXPANDED WIRE MESH BALUSTRADE INFILL PANELS WITH 3/4" WELDED "U" CLOSURE STRIP AROUND PERIMETER - 3"X3" SQUARE MAX OPENINGS, TYP.
SEE FINISH PLAN / LEGEND FOR FLOOR TREAD/ RISER/ FLOOR FINISH
CONCRETE TOPPING - SEE STRUCT. DWGS.
STEEL CHANNEL STRINGER
STEEL TREAD PANS BY STAIR MANUFACTURER
RETURN HANDRAIL TO POST, TYP.
11" TYP. TREAD
1'-0" TYP.
1" TYP.
2" MIN
1'-0" TYP.
3'-0" TYP.
6'-0" TYP.
6 3/4" TYP. RISER

5 Typical Stair Base Detail - Stair 2
1 1/2" = 1'-0"



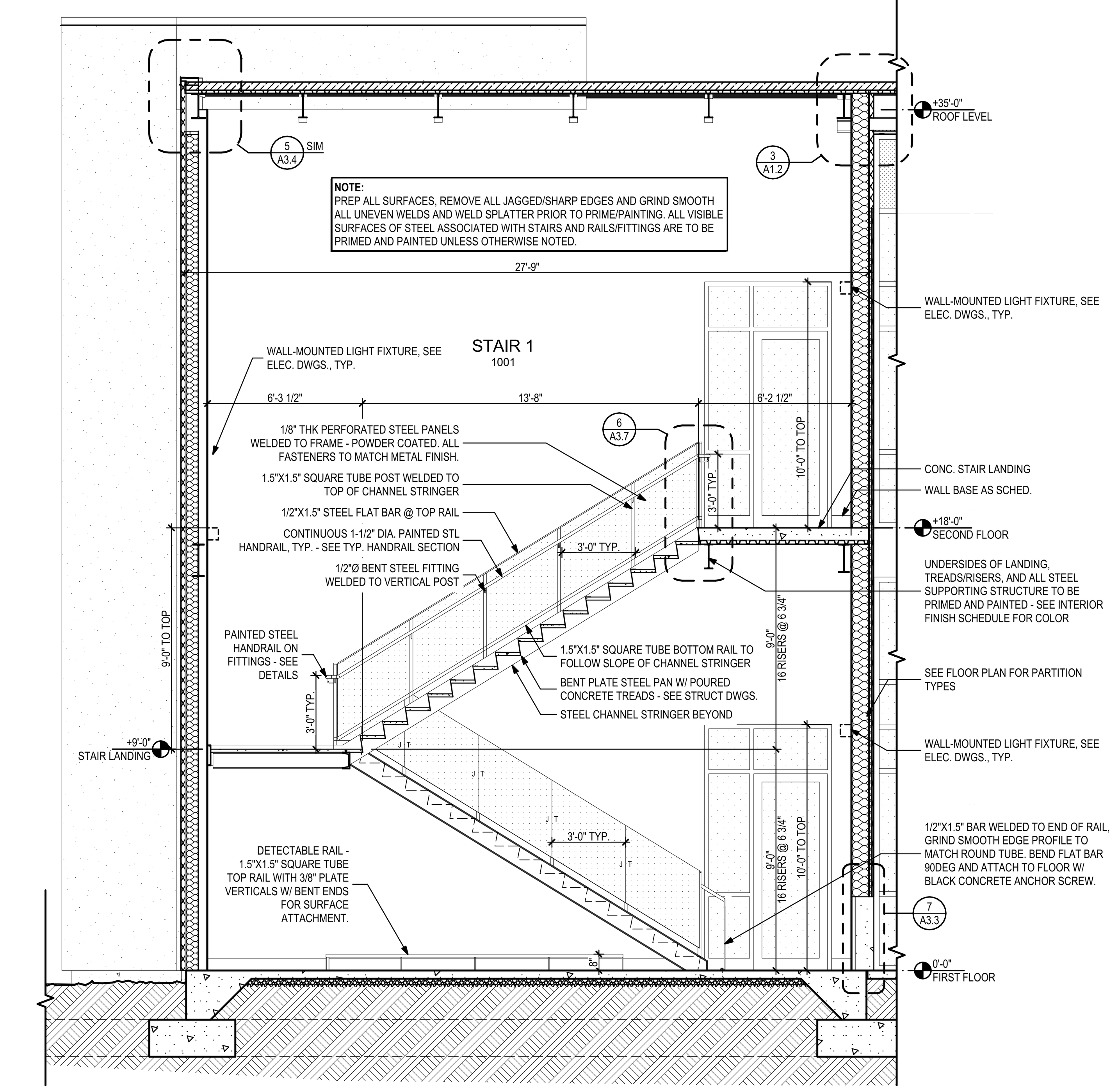
STEEL TOP RAIL, 42" HIGH FROM NOSING
CONTINUOUS 1-1/2" DIA. PAINTED STL HANDRAIL, TYP. - SEE TYP. HANDRAIL SECTION
1/2"Ø BENT STEEL FITTING WELDED TO VERTICAL POSTS
PAINTED EXPANDED WIRE MESH BALUSTRADE INFILL PANELS WITH 3/4" WELDED "U" CLOSURE STRIP AROUND PERIMETER - 3"X3" SQUARE MAX OPENINGS, TYP.
SEE FINISH PLAN / LEGEND FOR FLOOR TREAD/ RISER/ FLOOR FINISH
CONCRETE TOPPING - SEE STRUCT. DWGS.
STEEL TREAD PANS BY STAIR MANUFACTURER
STEEL FRAMING BEYOND - SEE STRUCT. DWGS.
STEEL HEADER CHANNEL - SEE STRUCT. DWGS.
STEEL CHANNEL STRINGER
1" TYP.
2" MIN
3'-0" TYP.
3'-6" TYP. FROM NOSING

4 Typical Intermediate Landing Detail - Stair 2
1 1/2" = 1'-0"



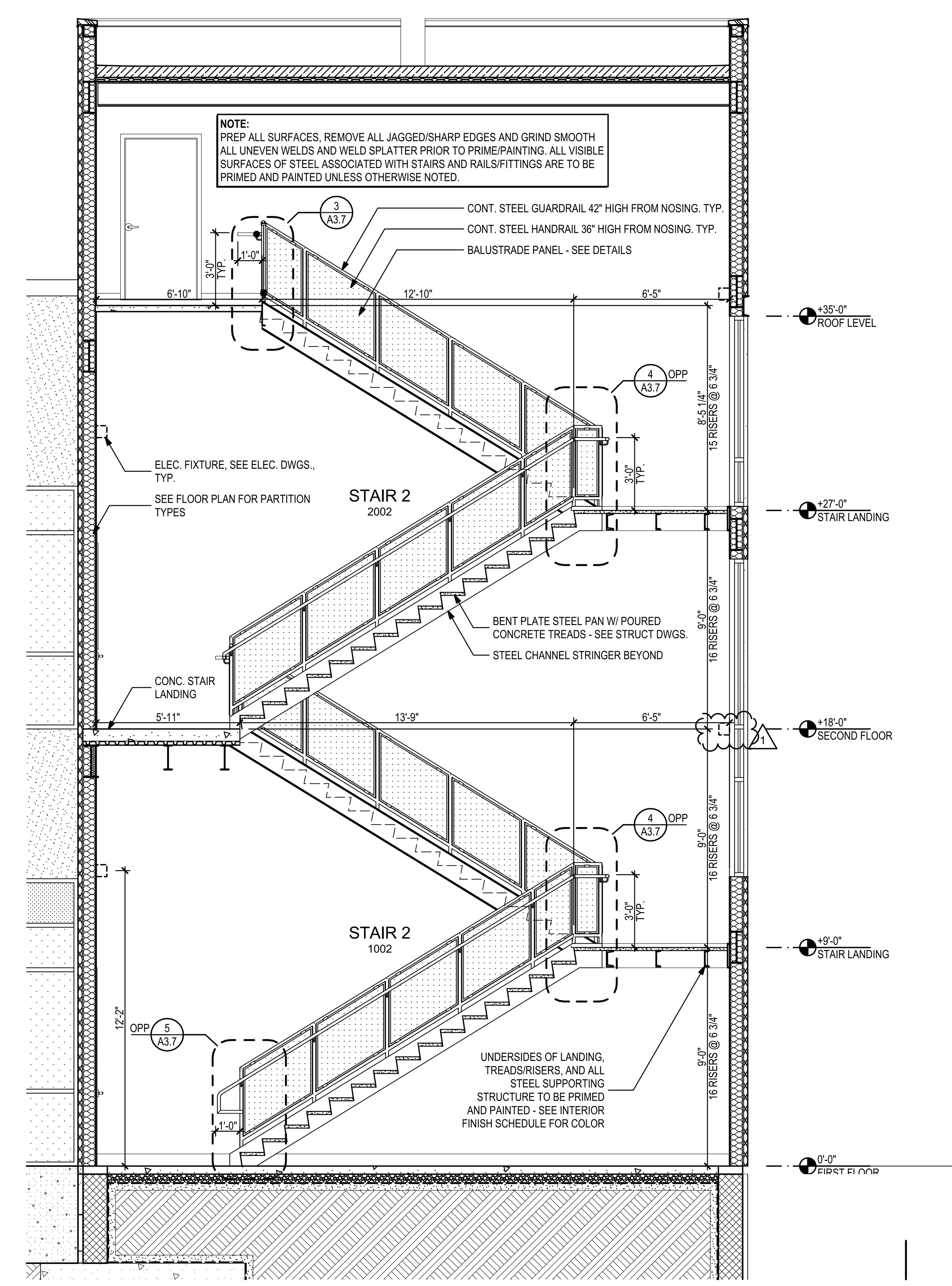
STEEL TOP RAIL, 42" HIGH FROM NOSING
RETURN HANDRAIL TO WALL, TYP.
1/2"Ø BENT STEEL FITTING WELDED TO VERTICAL POSTS
CONTINUOUS 1-1/2" DIA. PAINTED STL HANDRAIL, TYP. - SEE TYP. HANDRAIL SECTION
PAINTED EXPANDED WIRE MESH BALUSTRADE INFILL PANELS WITH 3/4" WELDED "U" CLOSURE STRIP AROUND PERIMETER - 3"X3" SQUARE MAX OPENINGS, TYP.
SEE FINISH PLAN / LEGEND FOR FLOOR TREAD/ RISER/ FLOOR FINISH
CONCRETE TOPPING - SEE STRUCT. DWGS.
STEEL FRAMING BEYOND - SEE STRUCT. DWGS.
STEEL TREAD PANS BY STAIR MANUFACTURER
STEEL HEADER CHANNEL - SEE STRUCT. DWGS.
STEEL CHANNEL STRINGER
2" MIN
3'-0" TYP.

3 Typical Stair Top Landing Detail - Stair 2
1 1/2" = 1'-0"



NOTE:
PREP ALL SURFACES, REMOVE ALL JAGGED/SHARP EDGES AND GRIND SMOOTH ALL UNEVEN WELDS AND WELD SPLATTER PRIOR TO PRIME/PAINTING. ALL VISIBLE SURFACES OF STEEL ASSOCIATED WITH STAIRS AND RAILS/FITTINGS ARE TO BE PRIMED AND PAINTED UNLESS OTHERWISE NOTED.
+35'-0" ROOF LEVEL
+18'-0" SECOND FLOOR
+9'-0" STAIR LANDING
0'-0" FIRST FLOOR
STAIR 1
1001
WALL-MOUNTED LIGHT FIXTURE, SEE ELEC. DWGS., TYP.
1/8" THK PERFORATED STEEL PANELS WELDED TO FRAME - POWDER COATED. ALL FASTENERS TO MATCH METAL FINISH.
1.5"X1.5" SQUARE TUBE POST WELDED TO TOP OF CHANNEL STRINGER
1/2"X1.5" STEEL FLAT BAR @ TOP RAIL
CONTINUOUS 1-1/2" DIA. PAINTED STL HANDRAIL, TYP. - SEE TYP. HANDRAIL SECTION
1/2"Ø BENT STEEL FITTING WELDED TO VERTICAL POST
PAINTED STEEL HANDRAIL ON FITTINGS - SEE DETAILS
1.5"X1.5" SQUARE TUBE BOTTOM RAIL TO FOLLOW SLOPE OF CHANNEL STRINGER
BENT PLATE STEEL PAN W/ POURED CONCRETE TREADS - SEE STRUCT DWGS.
STEEL CHANNEL STRINGER BEYOND
DETECTABLE RAIL - 1.5"X1.5" SQUARE TUBE TOP RAIL WITH 3/8" PLATE VERTICALS W/ BENT ENDS FOR SURFACE ATTACHMENT.
CONC. STAIR LANDING
WALL BASE AS SCHED.
UNDERSIDES OF LANDING, TREADS/RISERS, AND ALL STEEL SUPPORTING STRUCTURE TO BE PRIMED AND PAINTED - SEE INTERIOR FINISH SCHEDULE FOR COLOR
SEE FLOOR PLAN FOR PARTITION TYPES
1/2"X1.5" BAR WELDED TO END OF RAIL, GRIND SMOOTH EDGE PROFILE TO MATCH ROUND TUBE. BEND FLAT BAR 90DEG AND ATTACH TO FLOOR W/ BLACK CONCRETE ANCHOR SCREW.
27'-9"
6'-3 1/2"
13'-6"
6'-2 1/2"
3'-0" TYP.
16 RISERS @ 6 3/4"
10'-0" TO TOP
8'-0" TO TOP

2 Stair 1 - Section
1/4" = 1'-0"



NOTE:
PREP ALL SURFACES, REMOVE ALL JAGGED/SHARP EDGES AND GRIND SMOOTH ALL UNEVEN WELDS AND WELD SPLATTER PRIOR TO PRIME/PAINTING. ALL VISIBLE SURFACES OF STEEL ASSOCIATED WITH STAIRS AND RAILS/FITTINGS ARE TO BE PRIMED AND PAINTED UNLESS OTHERWISE NOTED.
CONT. STEEL GUARDRAIL 42" HIGH FROM NOSING. TYP.
CONT. STEEL HANDRAIL 36" HIGH FROM NOSING. TYP.
BALUSTRADE PANEL - SEE DETAILS
+35'-0" ROOF LEVEL
+27'-0" STAIR LANDING
+18'-0" SECOND FLOOR
+9'-0" STAIR LANDING
0'-0" FIRST FLOOR
ELEC. FIXTURE, SEE ELEC. DWGS., TYP.
SEE FLOOR PLAN FOR PARTITION TYPES
STAIR 2
2002
STAIR 2
1002
BENT PLATE STEEL PAN W/ POURED CONCRETE TREADS - SEE STRUCT DWGS.
STEEL CHANNEL STRINGER BEYOND
CONC. STAIR LANDING
UNDERSIDES OF LANDING, TREADS/RISERS, AND ALL STEEL SUPPORTING STRUCTURE TO BE PRIMED AND PAINTED - SEE INTERIOR FINISH SCHEDULE FOR COLOR
6'-10"
12'-10"
6'-5"
5'-11"
13'-9"
16 RISERS @ 6 3/4"

1 Stair 2 - Section
1/4" = 1'-0"

ID:	REVISION:	DRAWN:	REVIEWED:	DATE:
1	ADDENDUM 1	RS, KS, EE, AK, BG	C. WHITLOCK	07/11/22

PHASE:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT	RS, KS, AK, EE	C. WHITLOCK	07/26/21
50% CONSTRUCTION DOCUMENTS	RS, KS, AK, EE	C. WHITLOCK	10/07/21
100% CONSTRUCTION DOCUMENTS	RS, KS, BG, AK, EE	C. WHITLOCK	12/09/21

Client:
Leon County R&D Authority
Tallahassee, Florida

Job Title:
North Florida Innovation Labs

Seal:

Consultant:

Project #: 21414
Phase: 100% Construction Documents

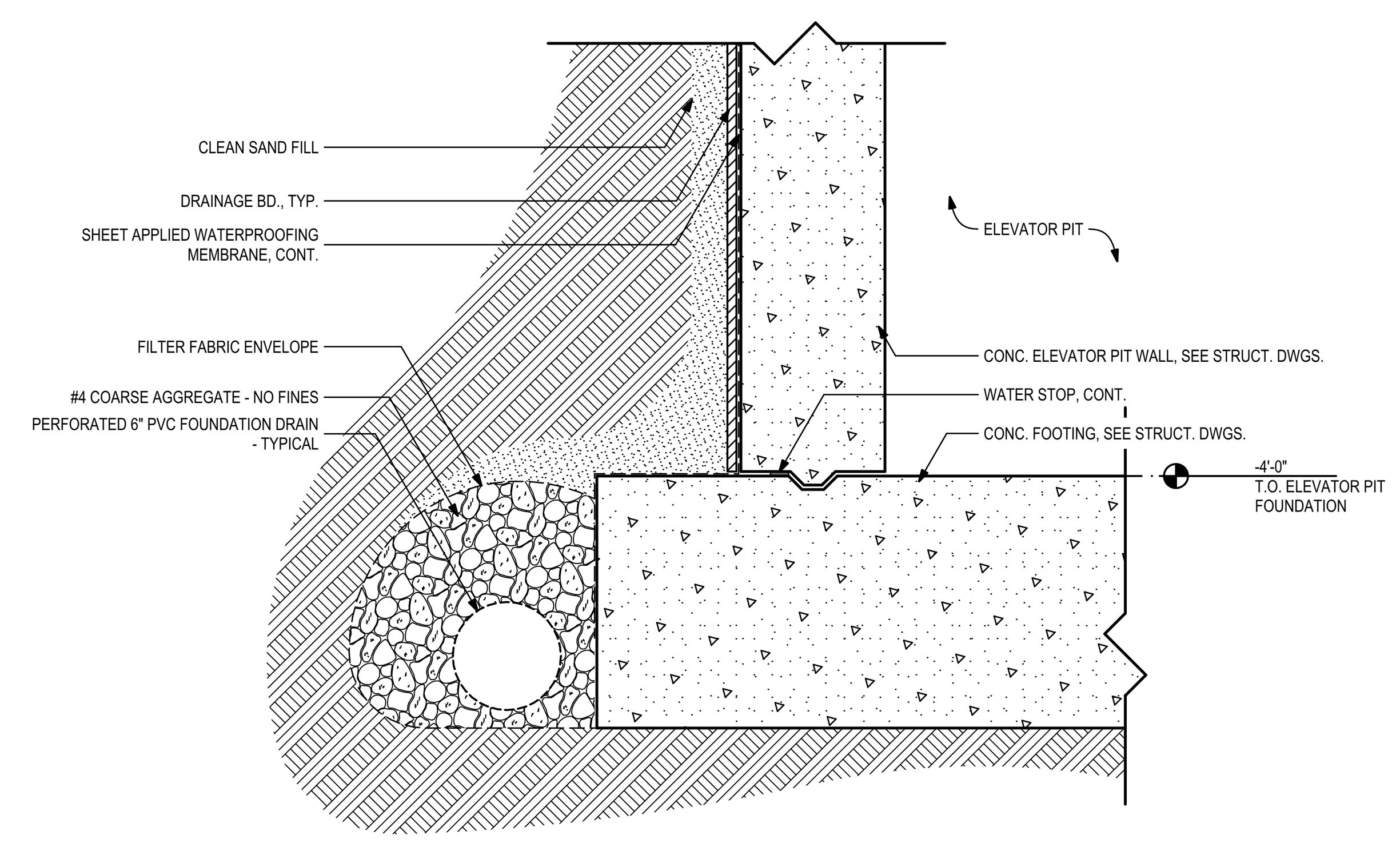
ALW

Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net

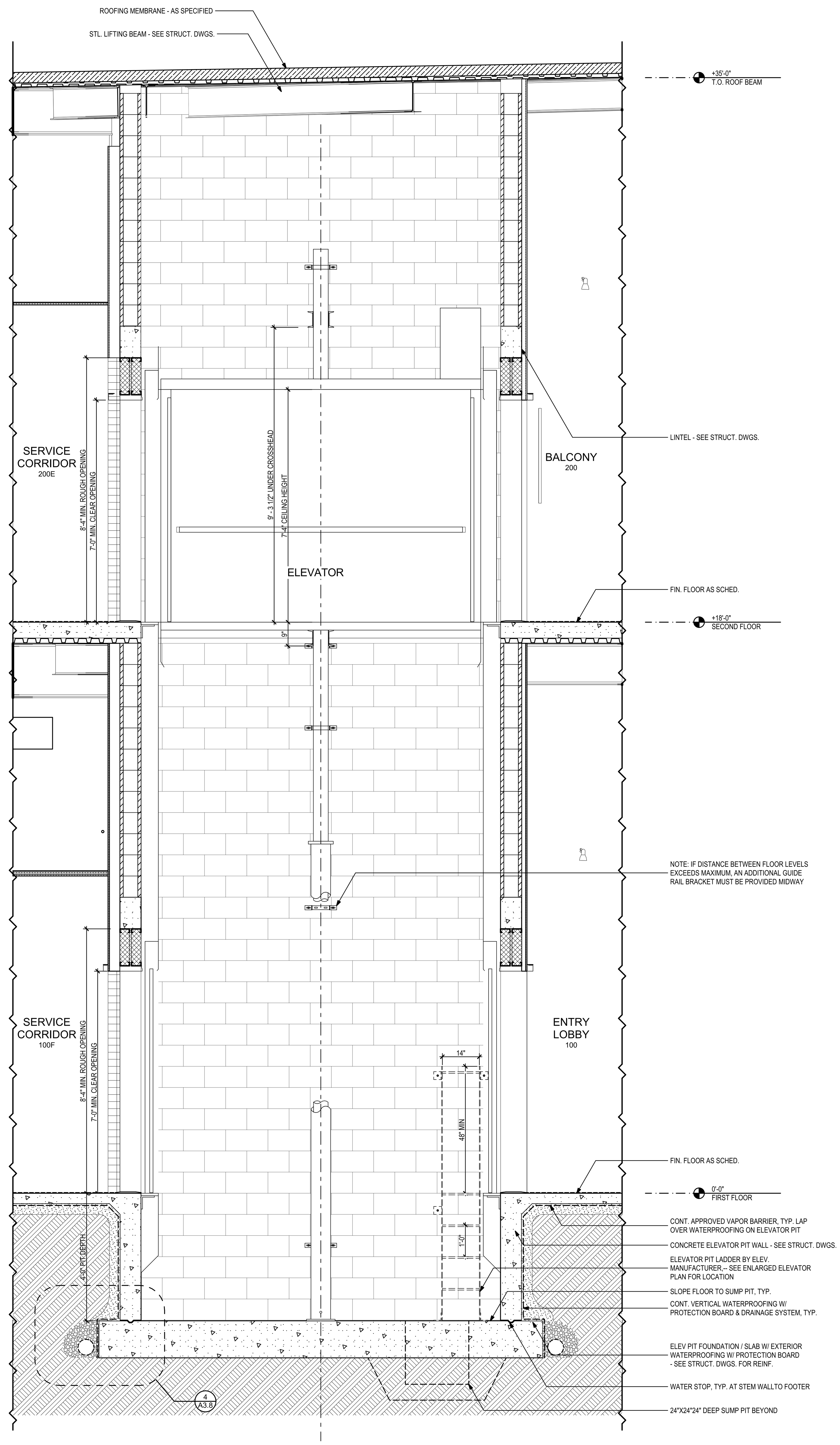
Description:
Stair Sections and Details

Sheet No.:
A3.7

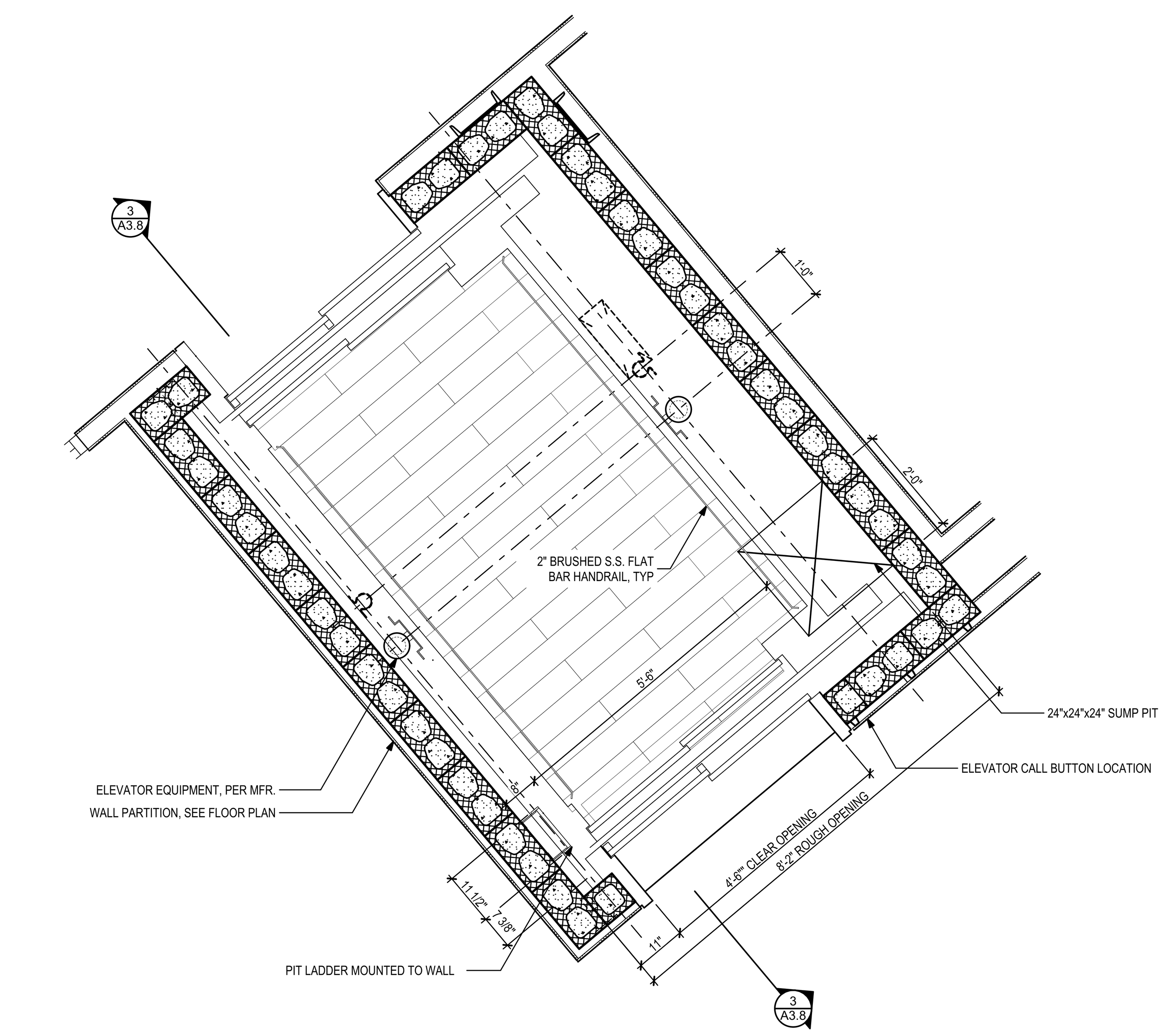
CONTRACTOR RESPONSIBLE FOR COORDINATING REQUIREMENTS OF THE ELEVATOR BID, PRIOR TO CONSTRUCTION OF ELEVATOR SHAFT.



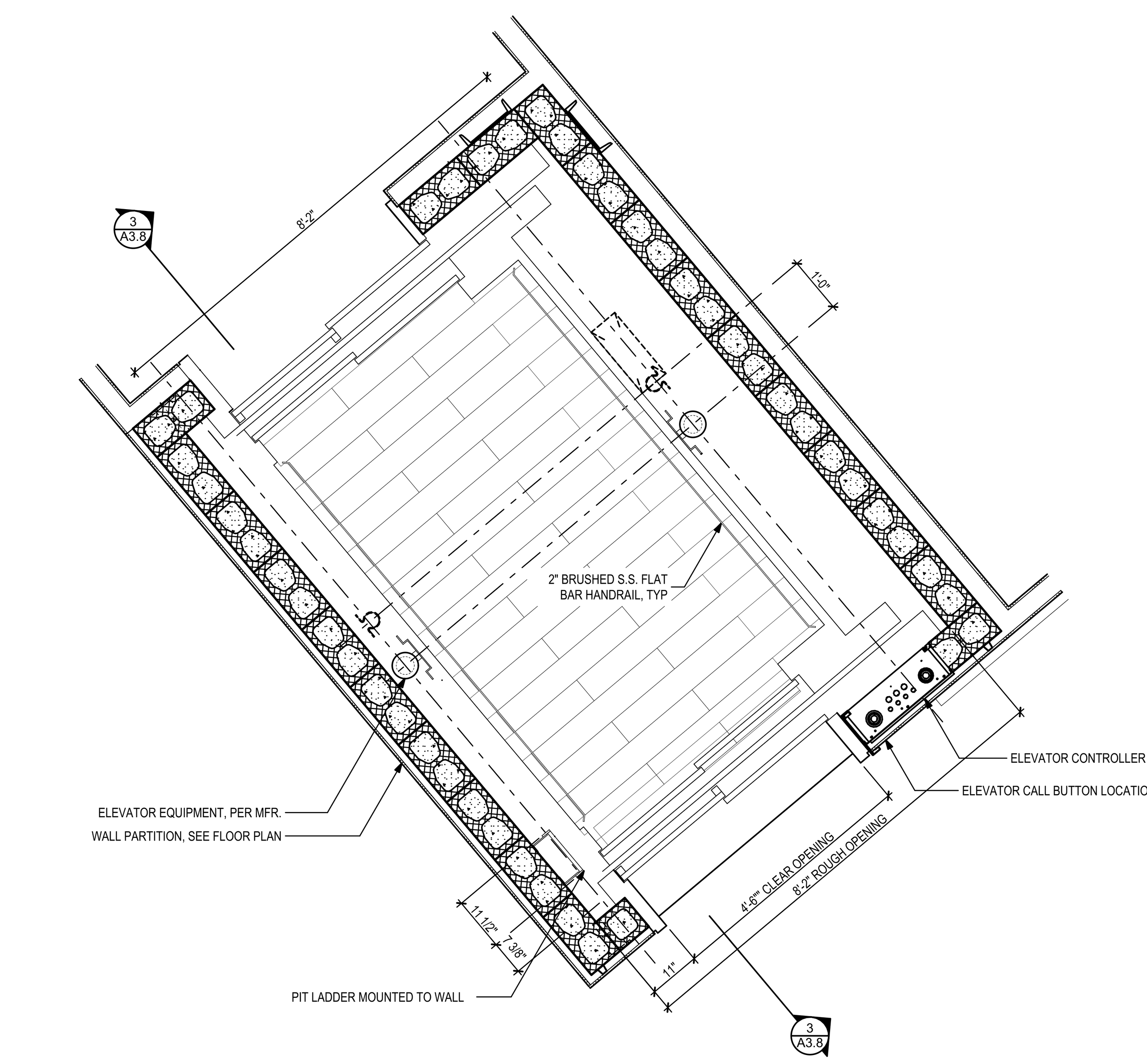
4 Elevator Pit Waterproofing Detail
1 1/2" = 1'-0"



3 Elevator Section
1/2" = 1'-0"



1 Elevator - Ground Floor Enlarged Plan
1/2" = 1'-0"



2 Elevator - Second Floor Enlarged Plan
1/2" = 1'-0"

PHASE:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT	RS, KS, AK, EE	C. WHITLOCK	07/30/21
50% CONSTRUCTION DOCUMENTS	RS, KS, AK, EE	C. WHITLOCK	10/07/21
100% CONSTRUCTION DOCUMENTS	RS, KS, BG, AK, EE	C. WHITLOCK	12/09/21

ID:	REVISION:	DRAWN:	REVIEWED:	DATE:

Seal:

Consultant:

Client:
Leon County R&D Authority
Tallahassee, Florida

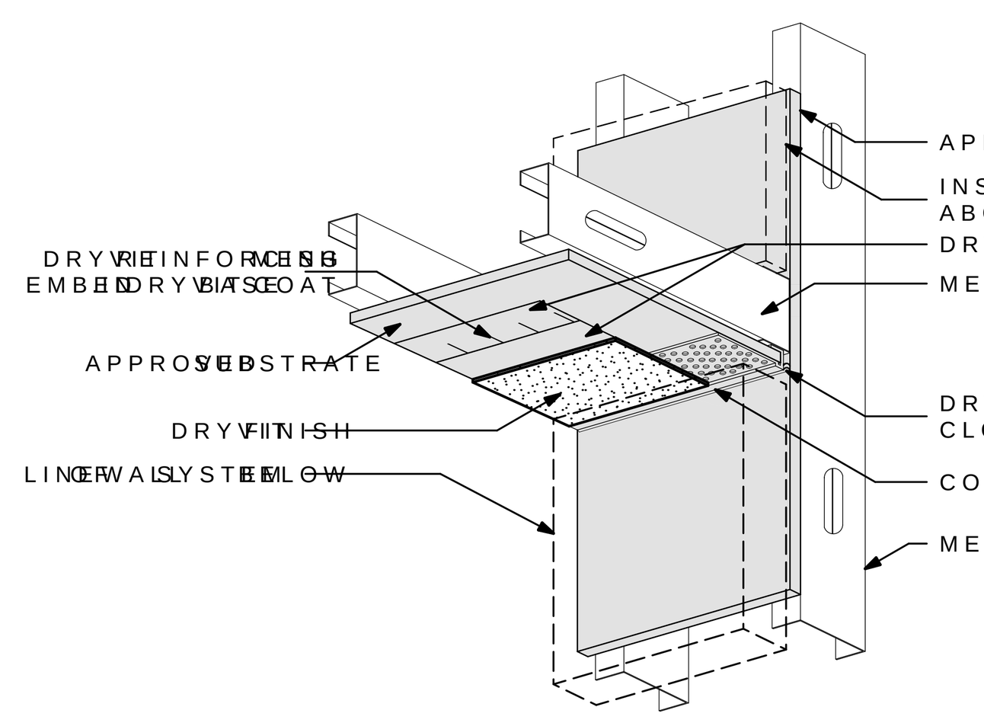
Job Title:
North Florida Innovation Labs

Project #: 21414
Phase: 100% Construction Documents

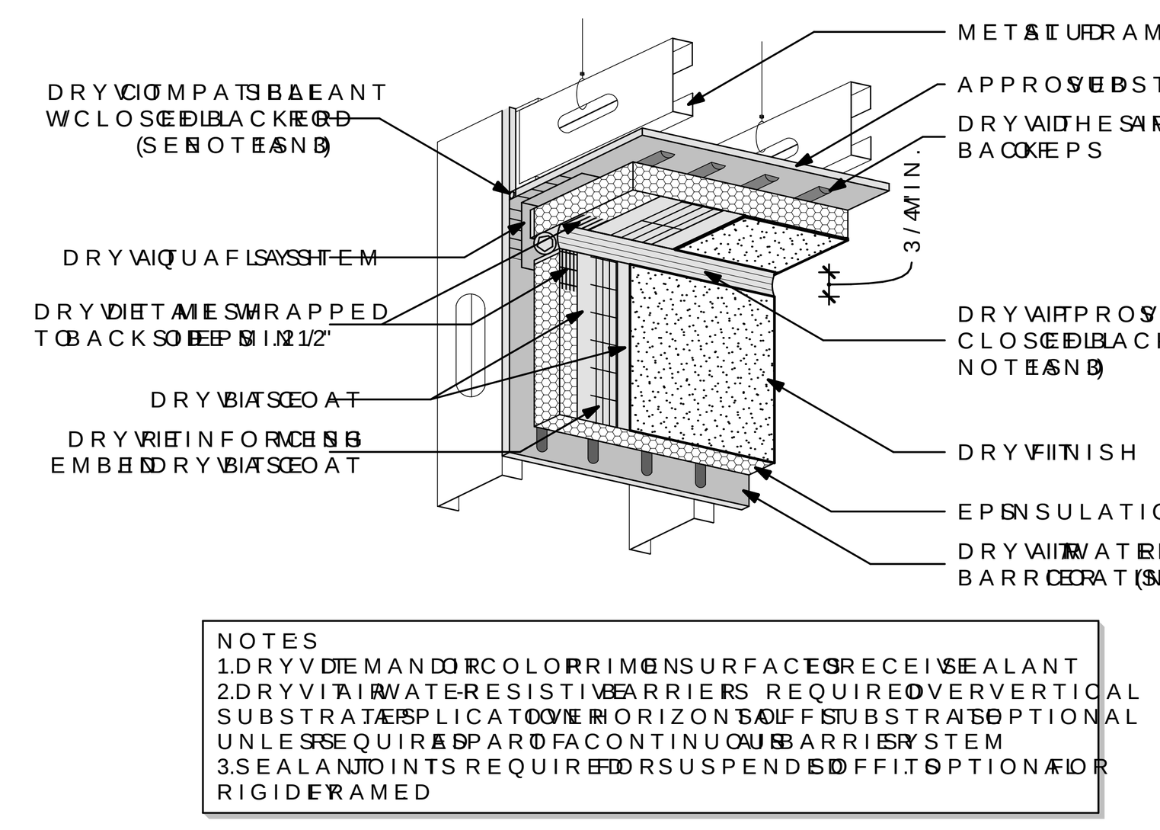
ALW
Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net

Description:
Elevator Sections and Details

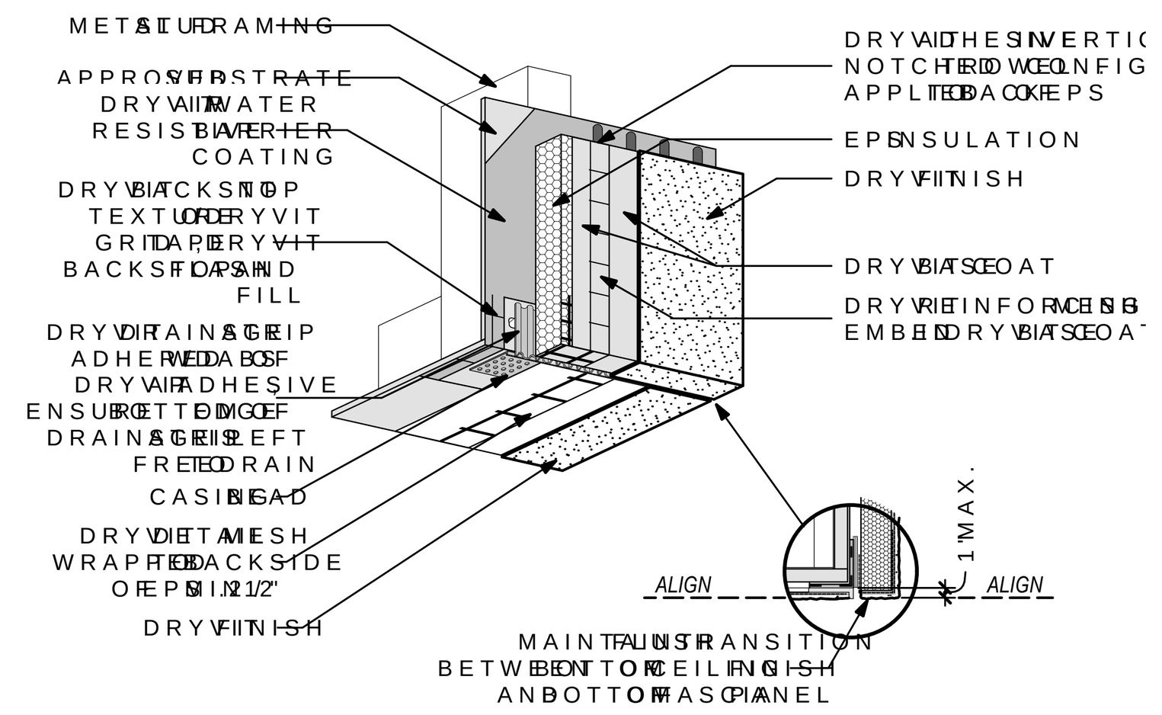
Sheet No.:
A3.8


APPROVED SUBSTRATE
INSULATION BOARD EXTENDS ABOVE SOFFIT FRAMING
DRYVIT BASECOAT
METAL STUD FRAMING
DRYVIT REINFORCING MESH EMBEDDED IN DRYVIT BASECOAT
APPROVED SUBSTRATE
DRYVIT FINISH
LINE OF WALL SYSTEM BELOW
DRYVIT PROSEAL AIR/WATER BARRIER, CLOSED CELL BACKER ROD
CONT. BEAD
METAL STUD FRAMING

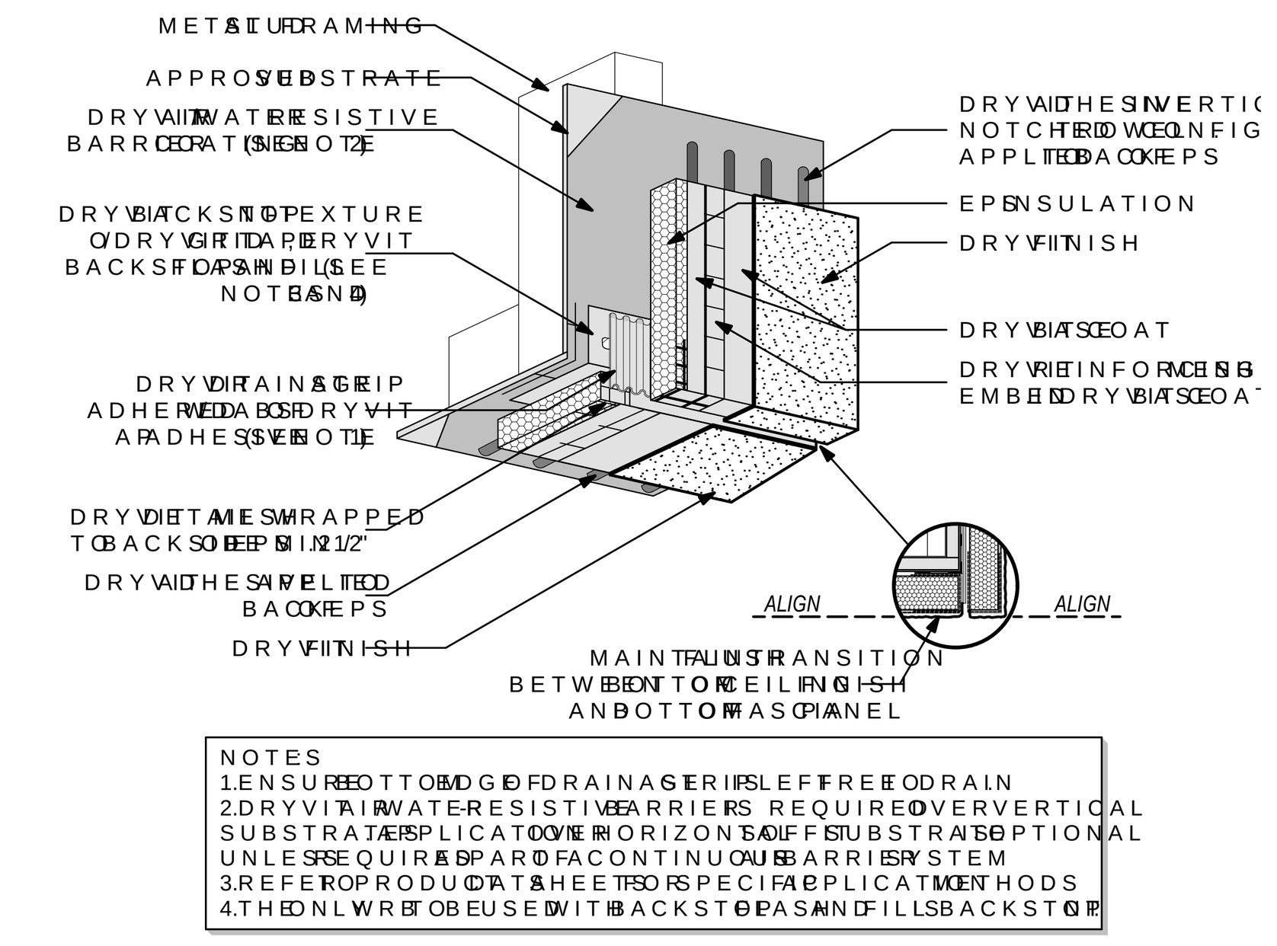
6 Non-Insulated Soffit Termination at Vertical Wall
NOT TO SCALE


DRYVIT COMPATIBLE SEALANT W/ CLOSED CELL BACKER ROD (SEE NOTES 1 AND 3)
METAL STUD FRAMING
APPROVED SUBSTRATE
DRYVIT WATER-RESISTIVE BARRIER, BACK WRAP EDGES
DRYVIT QUALIFIED EIFS SYSTEM
DRYVIT DETAIL MESH WRAPPED TO BACK SIDE OF EPS MIN. 2 1/2"
3/4" MIN.
DRYVIT BASECOAT
DRYVIT REINFORCING MESH EMBEDDED IN DRYVIT BASECOAT
DRYVIT PROSEAL AIR/WATER BARRIER, CLOSED CELL BACKER ROD (SEE NOTE 3)
DRYVIT FINISH
EPS INSULATION
DRYVIT AIR/WATER RESISTIVE BARRIER COATING (SEE NOTE 2)
NOTES
1. DRYVIT DEMANDS OR COLOR PRIMER ON SURFACES TO RECEIVE SEALANT
2. DRYVIT AIR/WATER RESISTIVE BARRIERS REQUIRED OVER VERTICAL SUBSTRATE APPLICATIONS. ON HORIZONTAL SOFFIT SUBSTRATE OPTIONAL UNLESS REQUIRED AS PART OF A CONTINUOUS AIR BARRIER SYSTEM
3. SEALANT JOINTS REQUIRED FOR SUSPENDED SOFFIT OPTION OF RIGID FRAMED

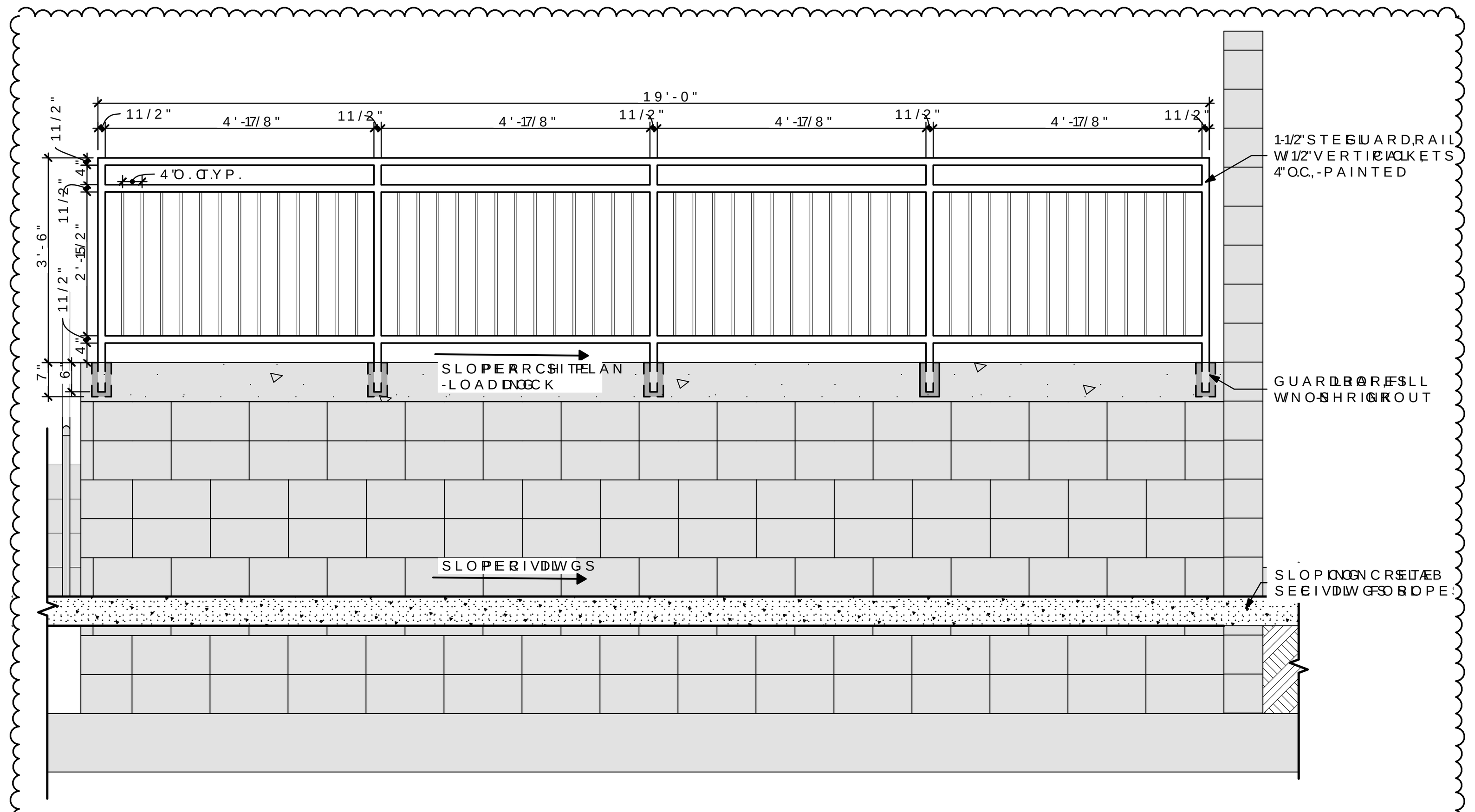
7 EIFS Vertical Wall/Suspended Soffit Transition
NOT TO SCALE


METAL STUD FRAMING
APPROVED SUBSTRATE
DRYVIT AIR/WATER RESISTIVE BARRIER COATING
DRYVIT BACKSTOP TEXTURE OR DRYVIT GRIT OR DRYVIT BACKSTOP AS BACKFILL
DRYVIT DRAINAGE STRIP ADHERED WITH DRYVIT ADHESIVE. ENSURE BOTTOM OF DRAINAGE STRIP IS FREE TO DRAIN
CASING BEAD
DRYVIT DETAIL MESH WRAPPED TO BACK SIDE OF EPS MIN. 2 1/2"
DRYVIT FINISH
DRYVIT ADHESIVE VERTICAL NOTCHED TROWEL CONFIG. APPLIED TO BACK OF EPS
EPS INSULATION
DRYVIT FINISH
DRYVIT BASECOAT
DRYVIT REINFORCING MESH EMBEDDED IN DRYVIT BASECOAT
1" MAX.
ALIGN
ALIGN
MAINTAIN TRANSITION BETWEEN BOTTOM OF CEILING FINISH AND BOTTOM OF FASCIA PANEL

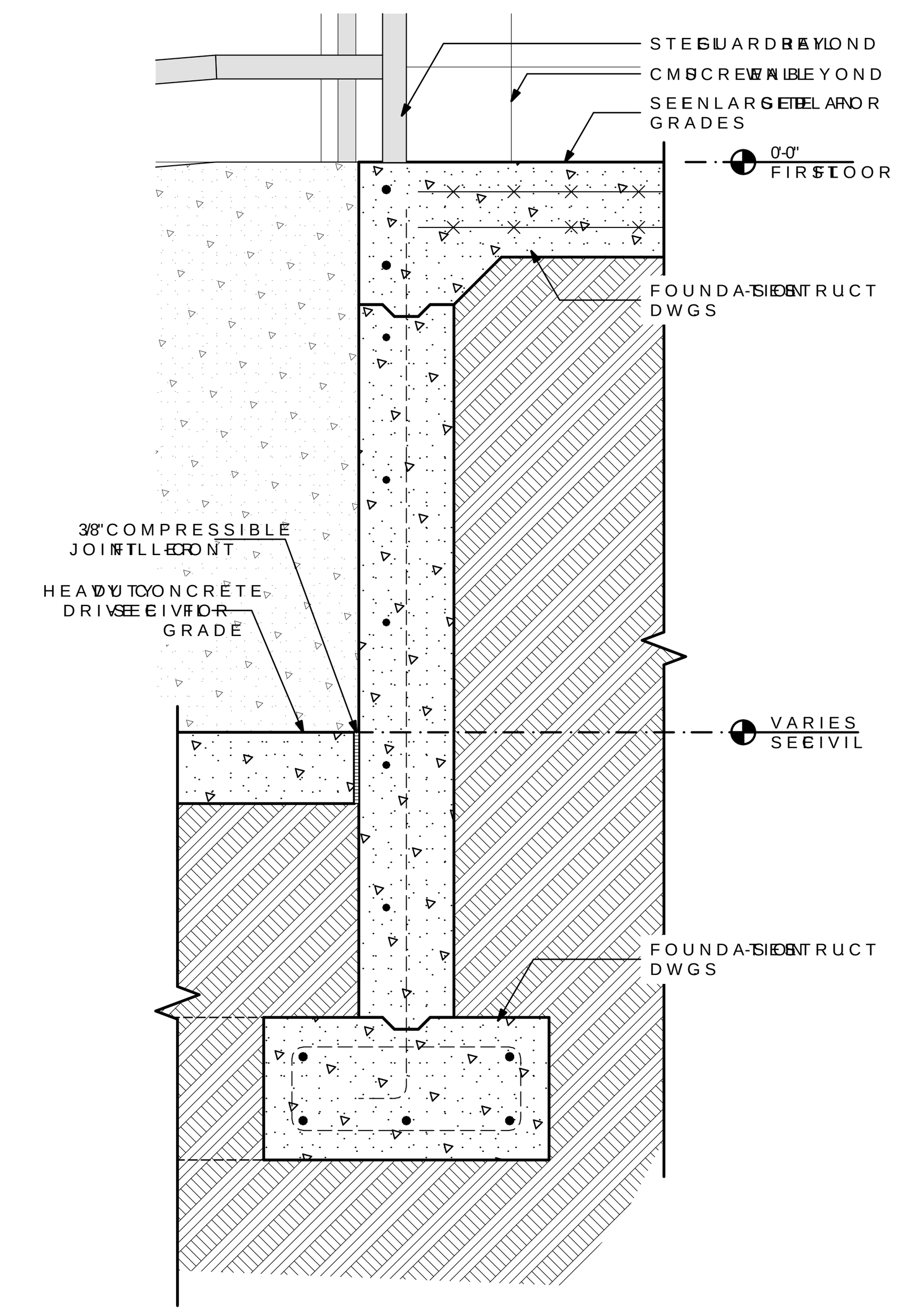
5 EIFS Fascia/Non-Insulated Soffit Transition
NOT TO SCALE


METAL STUD FRAMING
APPROVED SUBSTRATE
DRYVIT AIR/WATER RESISTIVE BARRIER COATING (SEE NOTE 2)
DRYVIT BACKSTOP TEXTURE OR DRYVIT GRIT OR DRYVIT BACKSTOP AS BACKFILL (SEE NOTE 3)
DRYVIT DRAINAGE STRIP ADHERED WITH DRYVIT ADHESIVE (SEE NOTE 1)
DRYVIT DETAIL MESH WRAPPED TO BACK SIDE OF EPS MIN. 2 1/2"
DRYVIT ADHESIVE APPLIED TO BACK OF EPS
DRYVIT FINISH
DRYVIT ADHESIVE VERTICAL NOTCHED TROWEL CONFIG. APPLIED TO BACK OF EPS
EPS INSULATION
DRYVIT FINISH
DRYVIT BASECOAT
DRYVIT REINFORCING MESH EMBEDDED IN DRYVIT BASECOAT
ALIGN
ALIGN
MAINTAIN TRANSITION BETWEEN BOTTOM OF CEILING FINISH AND BOTTOM OF FASCIA PANEL
NOTES
1. ENSURE BOTTOM OF DRAINAGE STRIP IS FREE TO DRAIN
2. DRYVIT AIR/WATER RESISTIVE BARRIERS REQUIRED OVER VERTICAL SUBSTRATE APPLICATIONS. ON HORIZONTAL SOFFIT SUBSTRATE OPTIONAL UNLESS REQUIRED AS PART OF A CONTINUOUS AIR BARRIER SYSTEM
3. REFER TO PRODUCT DATA SHEETS FOR SPECIFIC APPLICATION METHODS
4. THE ONLY WRITE TO BE USED WITH BACKSTOP AS AN INFILL IS BACKSTOP

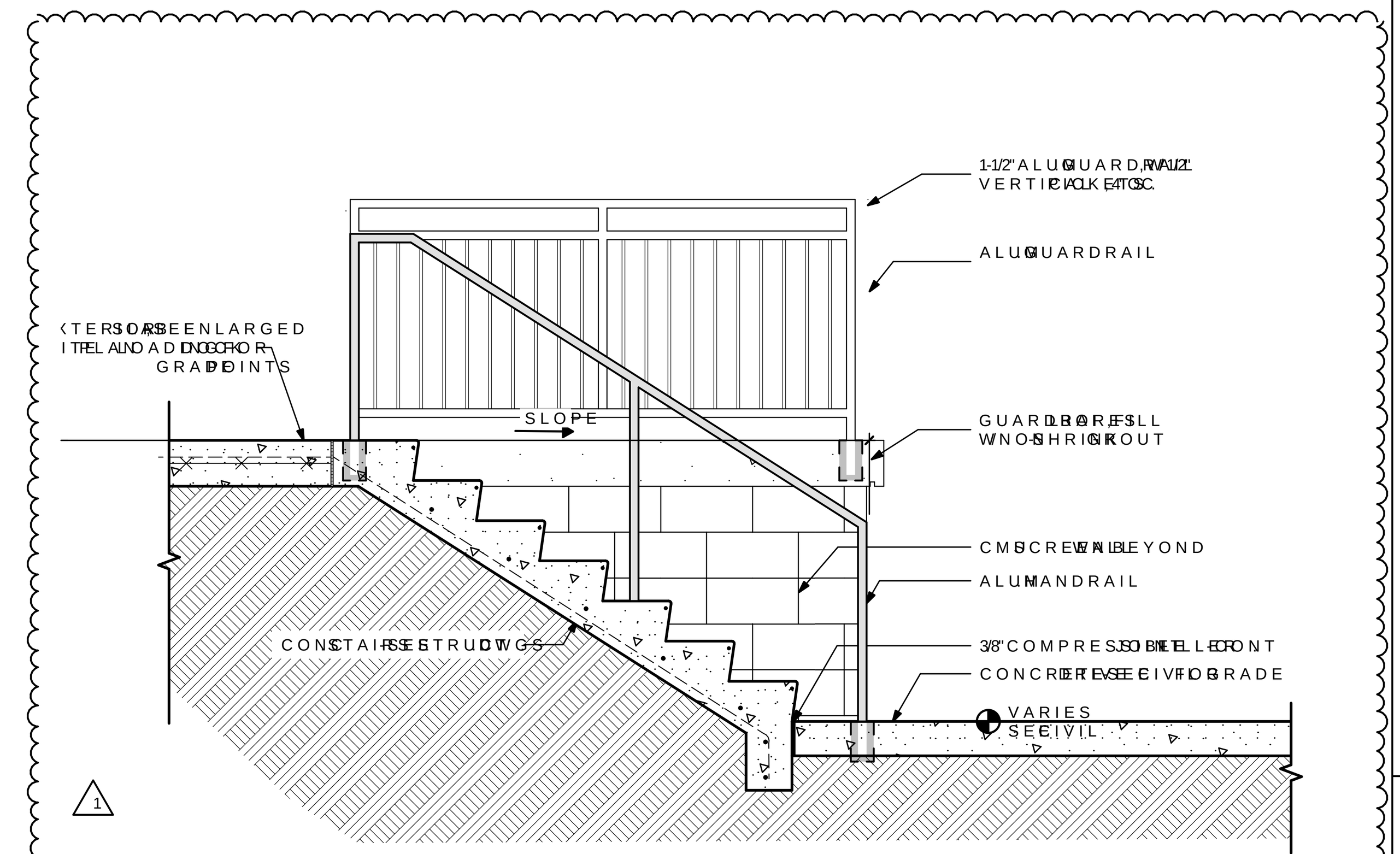
4 EIFS Fascia/Insulated Soffit Transition
NOT TO SCALE


19'-0"
11/2" 4'-17/8" 11/2" 4'-17/8" 11/2" 4'-17/8" 11/2" 4'-17/8" 11/2"
4" O.C. TYP.
1-1/2" STEEL GUARDRAIL W/ 1/2" VERTICAL PICKETS 4" O.C. - PAINTED
3'-6"
SLOPE ACROSS THE PLAN - LOADING DOCK
GUARDRAIL BOLTS FILL W/ NON-SHRINK GROUT
SLOPE - SEE CIVIL DWGS
SLOPED CONCRETE - SEE CIVIL DWGS FOR SLOPE

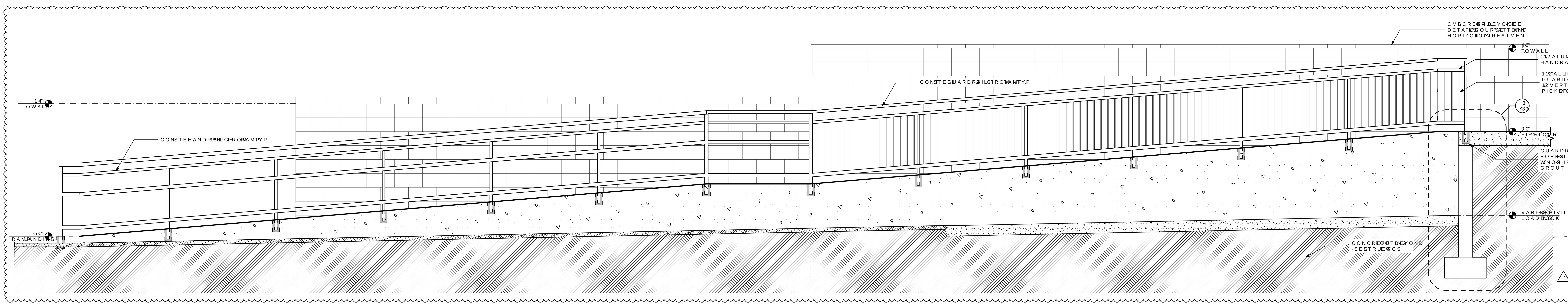
8 East Elevation (1)
1/2" = 1'-0"


STEEL GUARDRAIL BEYOND
CMU SCREEN WALL BEYOND
SEE ENLARGED STEEL AND REBAR GRADES
0'-0" FIRST FLOOR
FOUNDATION - SEE STRUCT DWGS
3/8" COMPRESSIBLE JOINT FILLER CONT.
HEAD TO TOP CONCRETE DRIVE - SEE CIVIL FOR GRADE
VARIES SEE CIVIL
FOUNDATION - SEE STRUCT DWGS

3 Loading Dock Wall Section Detail
1" = 1'-0"


1-1/2" ALUM GUARDRAIL W/ VERTICAL PICKETS 4" O.C.
ALUM GUARDRAIL
EXTERIOR STAIRS - SEE ENLARGED STEEL AND CONCRETE GRADE POINTS
SLOPE
GUARDRAIL BOLTS FILL W/ NON-SHRINK GROUT
CMU SCREEN WALL BEYOND
ALUM HANDRAIL
CONC STAIRS - SEE STRUCT DWGS
3/8" COMPRESSIBLE JOINT FILLER CONT.
CONCRETE DRIVE - SEE CIVIL FOR GRADE
VARIES SEE CIVIL

2 Stair Details
1/2" = 1'-0"


CMU SCREEN WALL BEYOND - SEE DETAILS FOR COURSING PATTERN AND HORIZONTAL TREATMENT
6'-0" T.O. WALL
1-1/2" ALUM HANDRAIL
1-1/2" ALUM GUARDRAIL 1/2" VERTICAL PICKETS
CONT. STEEL GUARDRAIL, PAINT RAMP TYP.
1'-4" T.O. WALL
CONT. STEEL HANDRAIL, PAINT RAMP TYP.
0'-0" FIRST FLOOR
GUARDRAIL BOLTS FILL W/ NON-SHRINK GROUT
VARIES LOADING DOCK
RAMP LANDING
CONCRETE FOOTING BEYOND - SEE STRUCT DWGS

1 Loading Dock Ramp Section
1/2" = 1'-0"

BIMcloud: Lewis-BIM - BIMcloud Basic for ARCHICAD 24/21414 NFIL Teamwork DD Model 10:13 PM

PHASE:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT	RSK SAKEE	C WHITLOCK	4/2021
50% CONSTRUCTION DOCUMENTS	RSK SAKEE	C WHITLOCK	7/2021
100% CONSTRUCTION DOCUMENTS	RSK SB GAKEE	C WHITLOCK	8/30/2021

ID:	REVISION:	DRAWN:	REVIEWED:	DATE:
1	ADDENDUM	RSK SKEE ABG	C WHITLOCK	2022

Client
Leon County R&D Authority
Tallahassee, Florida

Job Title
North Florida Innovation Labs

Consultant

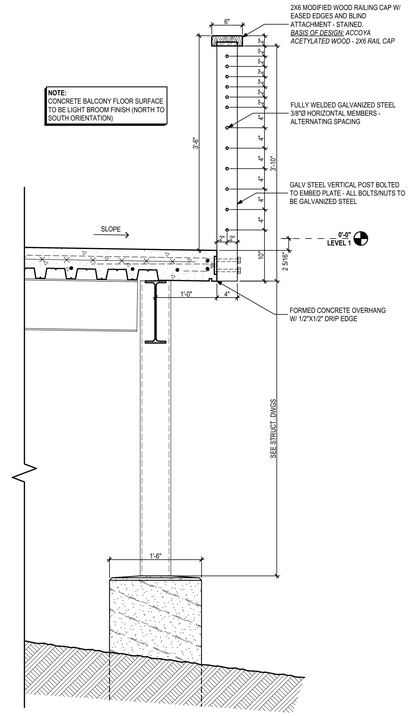
Seal

Project 21414
Phase 100% Construction Documents

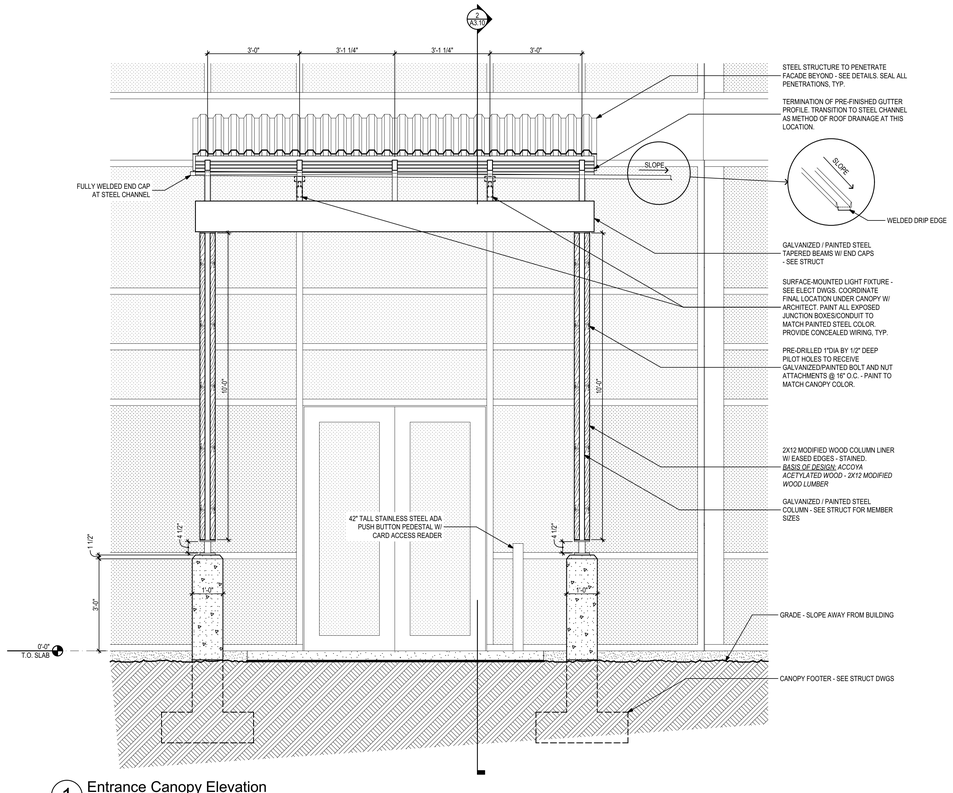
ALW
Architects Lewis + Whitlock
200 West Virginia St.
Tallahassee, Florida 32301
850.643.7718
www.alw.net

Description
Loading Dock Section and Details

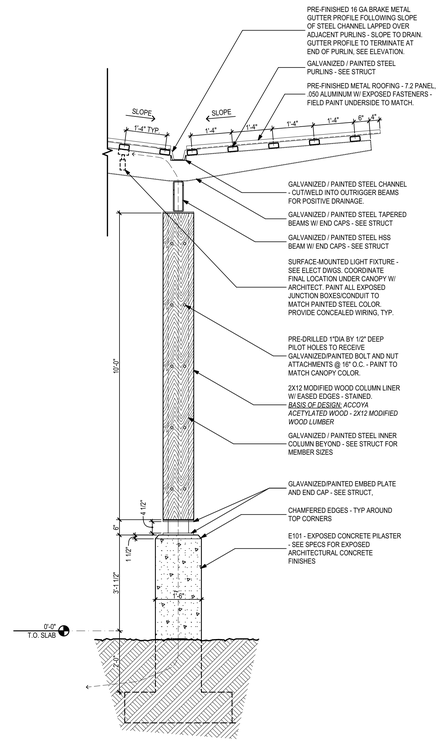
Sheet No:
A3.9



3 Guradrail Section - North Patio
1" = 1'-0"



1 Entrance Canopy Elevation
1/2" = 1'-0"



2 Entrance Canopy Section
1/2" = 1'-0"

PHASE:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT	RS, KS, AK, EE	C. WHITLOCK	07/30/21
50% CONSTRUCTION DOCUMENTS	RS, KS, AK, EE	C. WHITLOCK	10/07/21
100% CONSTRUCTION DOCUMENTS	RS, KS, BG, AK, EE	C. WHITLOCK	12/09/21

ID:	REVISION:	DRAWN:	REVIEWED:	DATE:

Client: Leon County R&D Authority
Tallahassee, Florida

Job Title: North Florida Innovation Lab

Consultant:

Seal:

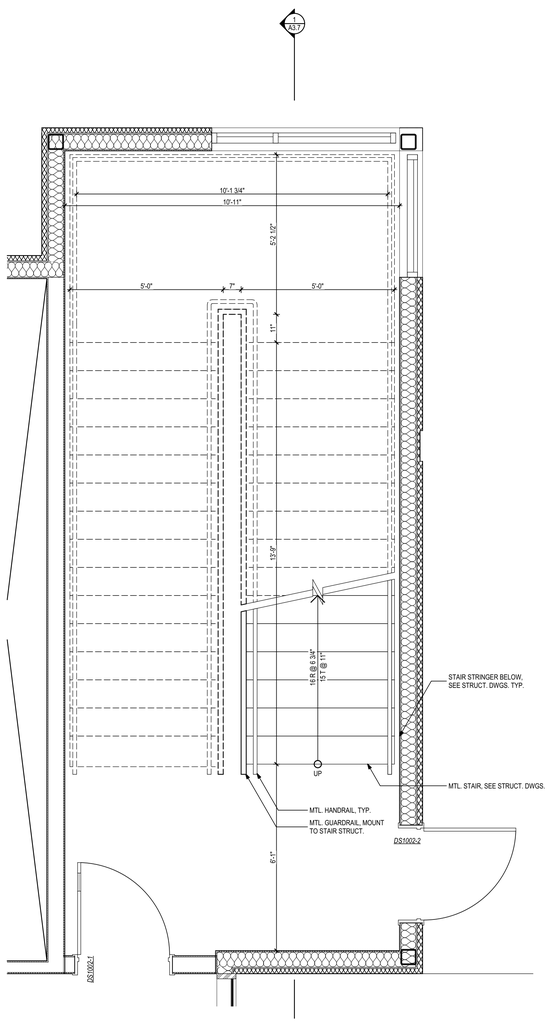
Project #: 21414
Phase: 100% Construction Documents

Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net

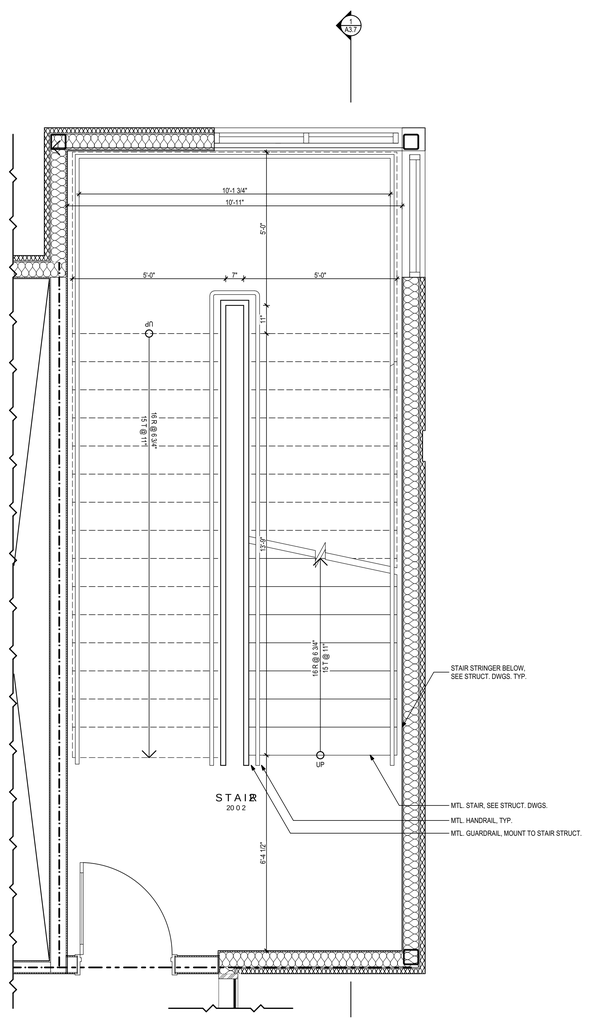
Description:
Alternates

Sheet No.:
A3.10

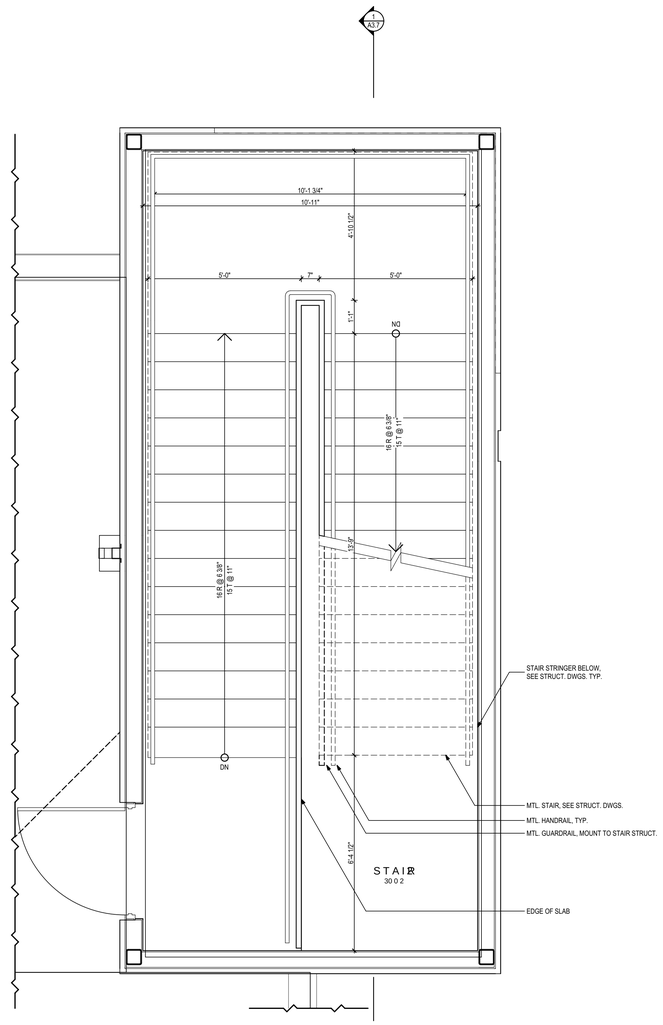
BIMcloud: Lewis-BIM - BIMcloud Basic for ARCHICAD 24/21414 NFIL Teamwork DD Model 10:13 PM



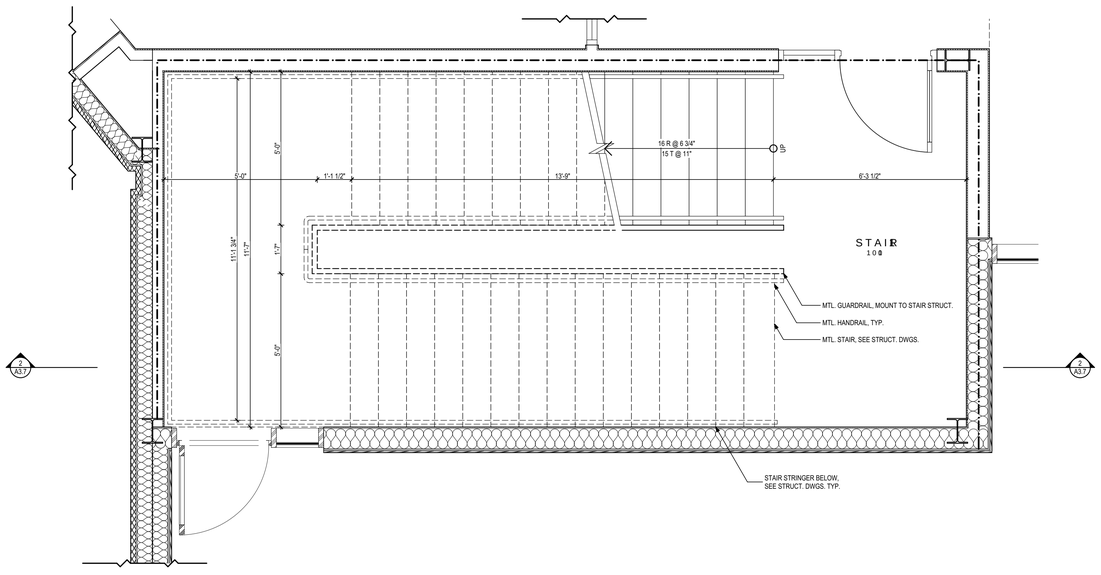
3 Stair 2 - Ground Floor Enlarged Plan
1/2" = 1'-0"



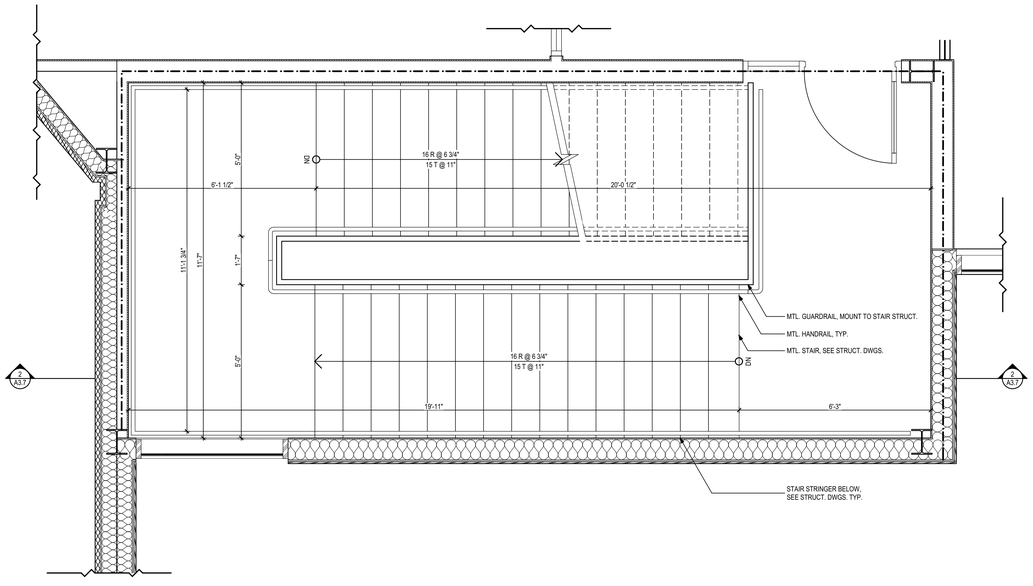
1 Stair 2 - Second Floor Enlarged Plan
1/2" = 1'-0"



2 Stair 2 at Roof
1/2" = 1'-0"



4 Stair 1 - Ground Floor Enlarged Plan
1/2" = 1'-0"



5 Stair 1 - Second Floor Enlarged Plan
1/2" = 1'-0"

ID	REVISION	DRAWN	REVIEWED	DATE

PHASE	DRAWN	REVIEWED	DATE
DESIGN DEVELOPMENT	RS, KS, AK, EE	C. WHITLOCK	07/30/21
50% CONSTRUCTION DOCUMENTS	RS, KS, AK, EE	C. WHITLOCK	10/07/21
100% CONSTRUCTION DOCUMENTS	RS, KS, BG, AK, EE	C. WHITLOCK	12/09/21

Client
Leon County R&D Authority
Tallahassee, Florida

Job Title
North Florida Innovation Labs

Consultant

Seal

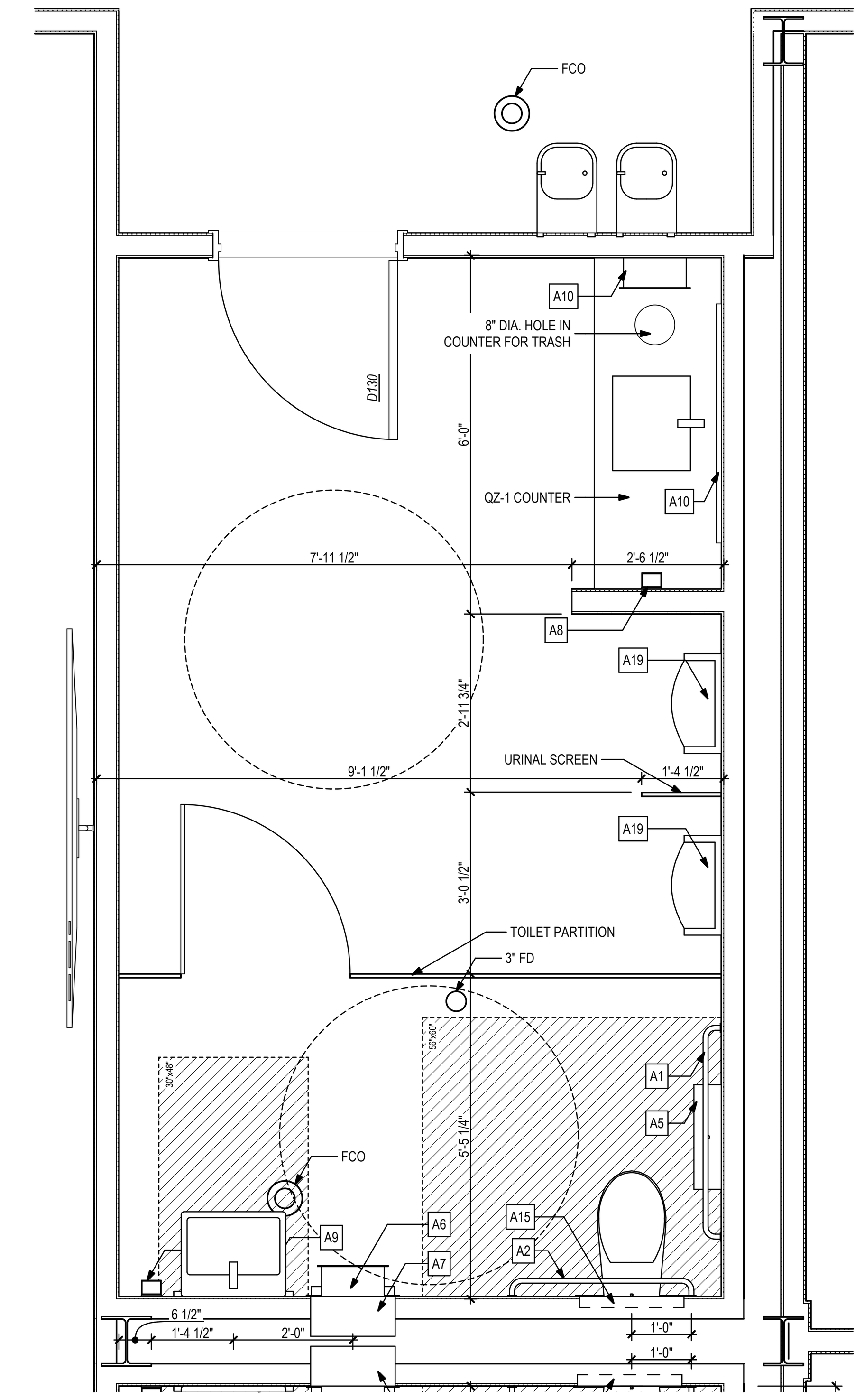
Project # **21414**
Phase **100% Construction Documents**

ALW

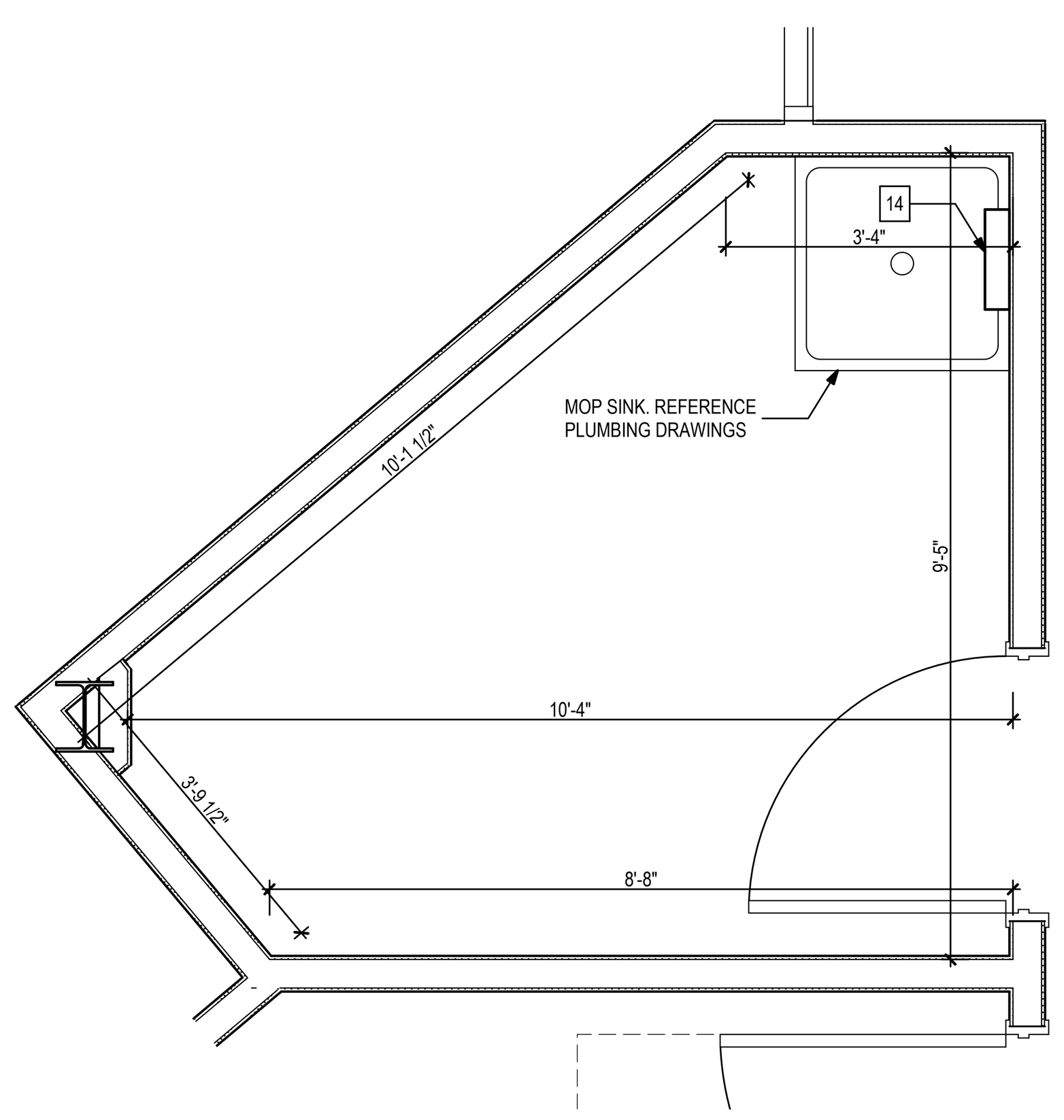
Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net

Description:
Stairs 1 & 2 - Enlarged Plans

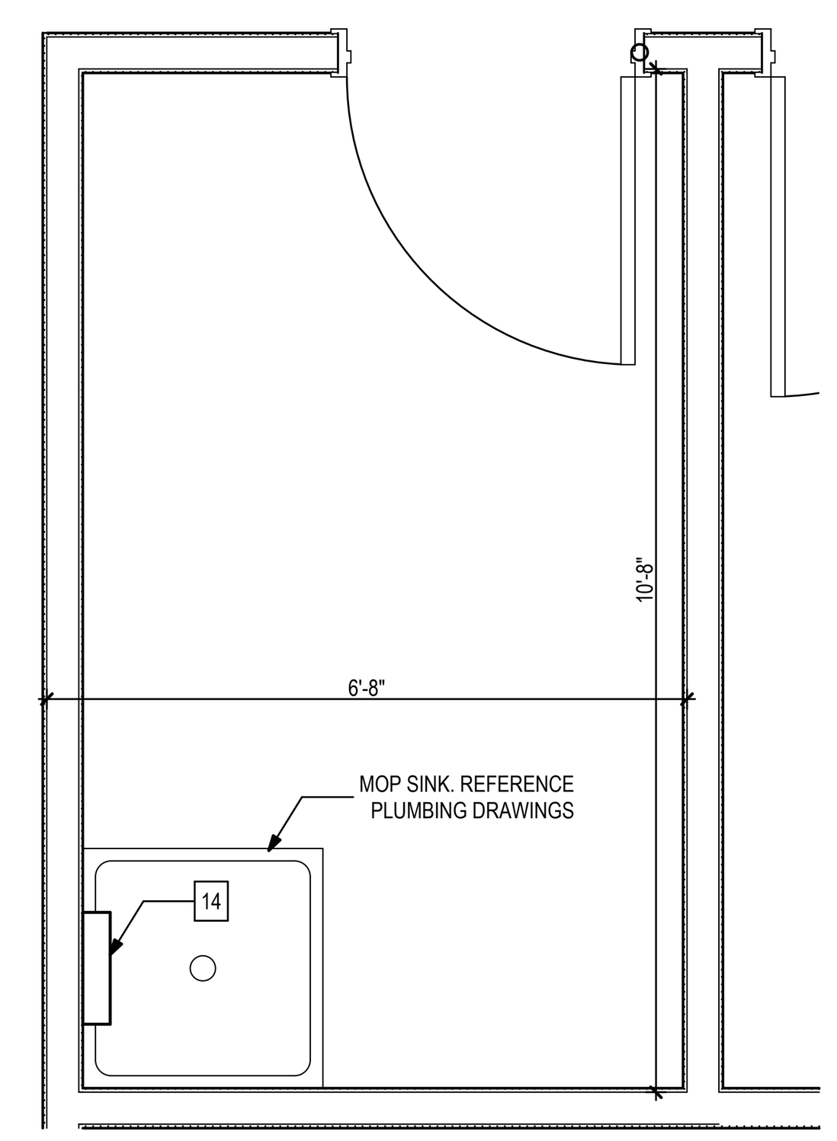
Sheet No:
A4.1



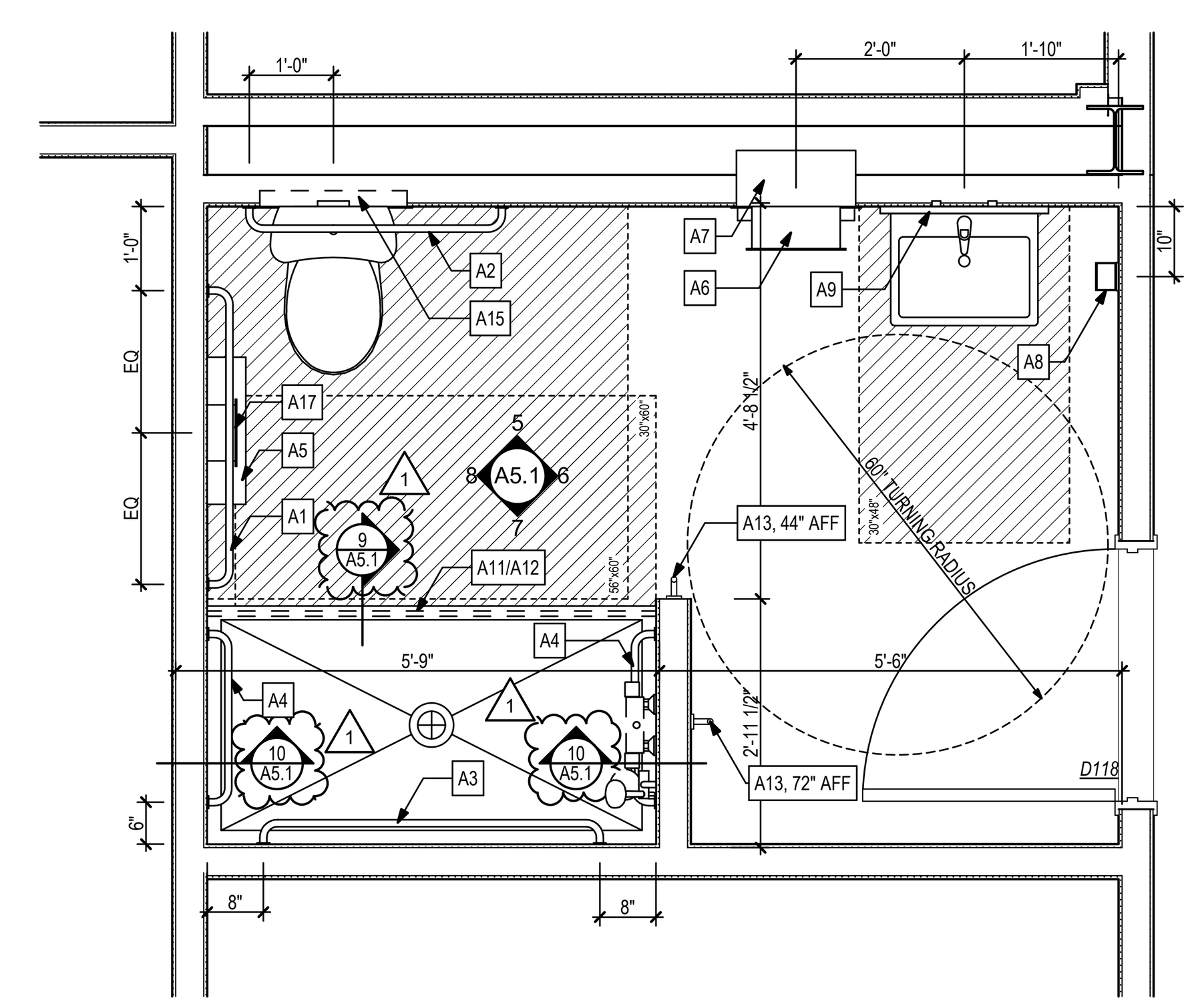
2 Enlarged M. Restroom Plan
1/2" = 1'-0"



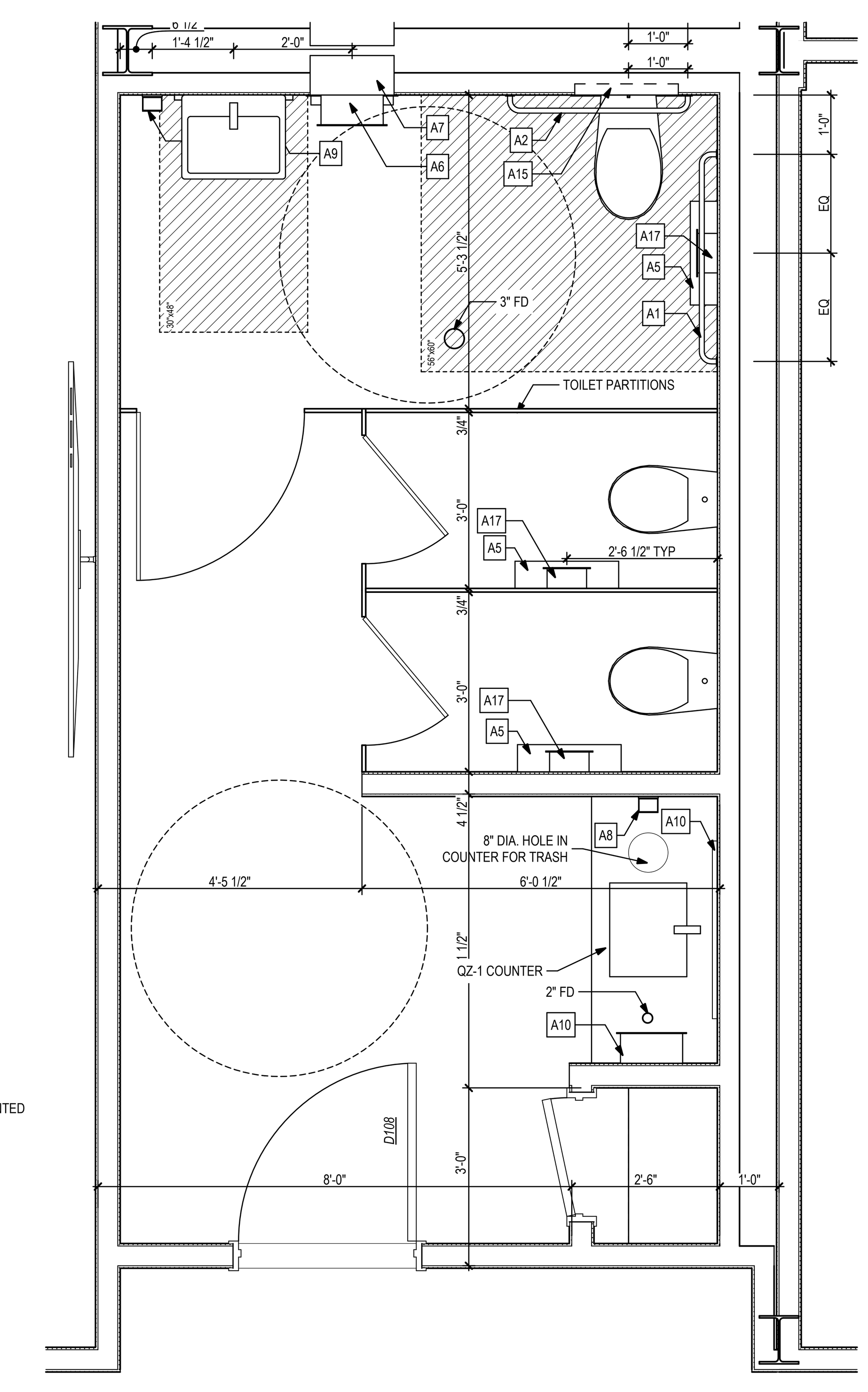
5 Second Floor - Enlarged Jan. Closet
1/2" = 1'-0"



4 Ground Floor - Enlarged Jan. Closet
1/2" = 1'-0"

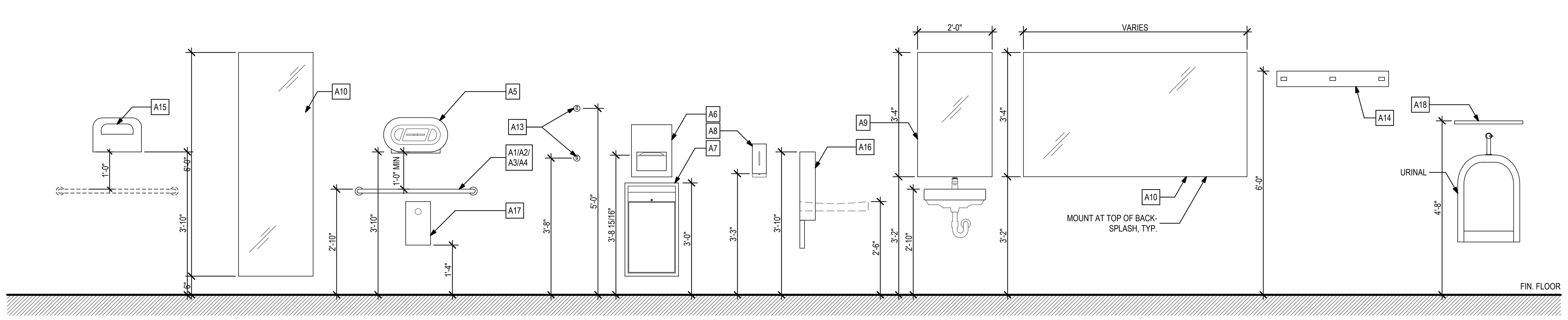


3 Ground Floor - Enlarged U. Restroom Plan
1/2" = 1'-0"



1 Enlarged W. Restroom Plan
1/2" = 1'-0"

Acc. Mounting Height
1/2" = 1'-0"



NOTE:
PLUMBING AND ELECTRICAL FIXTURES ARE SHOWN FOR CLARITY. FINAL LOCATIONS WILL BE DETERMINED BY THE MECHANICAL / ELECTRICAL ENGINEER AND SHOWN ON THEIR RESPECTIVE DRAWINGS

Accessory Schedule

A1	42" L GRAB BAR, 1 1/2" DIA. - BOBRICK, B-9806
A2	36" L GRAB BAR, 1 1/2" DIA. - BOBRICK, B-9806
A3	48" L GRAB BAR, 1 1/2" DIA. - BOBRICK, B-9806
A4	24" L GRAB BAR, 1 1/2" DIA. - BOBRICK, B-9806
A5	TOILET TISSUE DISPENSER - ULINE JUMBO H-1347 - SURFACE-MOUNTED
A6	PAPER TOWEL DISPENSER - KIMBERLY-CLARK HANDS-FREE TOWEL DISPENSER H-2272 - SURFACE-MOUNTED
A7	SEMI-RECESSED STAINLESS STEEL WASTE RECEPTABLE - BOBRICK, B-3644
A8	SOAP DISPENSER - GOJO TOUCH FREE DISPENSER H-1585
A9	24" x 40" FRAMELESS MIRROR
A10	FRAMELESS MIRROR - SIZE VARIES
A11	HEAVY DUTY SHOWER CURTAIN ROD - BOBRICK B-6107. CUSTOM LENGTH TO FIT SHOWER.
A12	SHOWER CURATIN HOOKS - BOBRICK 204-1
A13	COAT HOOK - BOBRICK FINO COLLECTION - FINISH: SATIN STAINLESS STEEL
A14	MOP HOLDER - BOBRICK, B-223X36
A15	TOILET SEAT COVER DISPENSER - ULINE H-878SMOKE - SURFACE-MOUNTED
A16	BABY CHANGING STATION - KOALA KARE KB310-SSWM
A17	SANITARY NAPKIN RECEPTACLE - ULINE H-3454
A18	UTILITY SHELF - BOBRICK B-295X14

ID:	REVISION:	DRAWN:	REVIEWED:	DATE:
1	ADDENDUM 1	RS, KS, EE, AK, BG	C. WHITLOCK	01/10/22

PHASE:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT	RS, KS, AK, EE	C. WHITLOCK	07/30/21
50% CONSTRUCTION DOCUMENTS	RS, KS, AK, EE	C. WHITLOCK	10/07/21
100% CONSTRUCTION DOCUMENTS	RS, KS, BG, AK, EE	C. WHITLOCK	12/09/21

Client:
Leon County R&D Authority
Tallahassee, Florida

Job Title:
North Florida Innovation Labs

Consultant:

Seal:

Project #: 21414
Phase: 100% Construction Documents

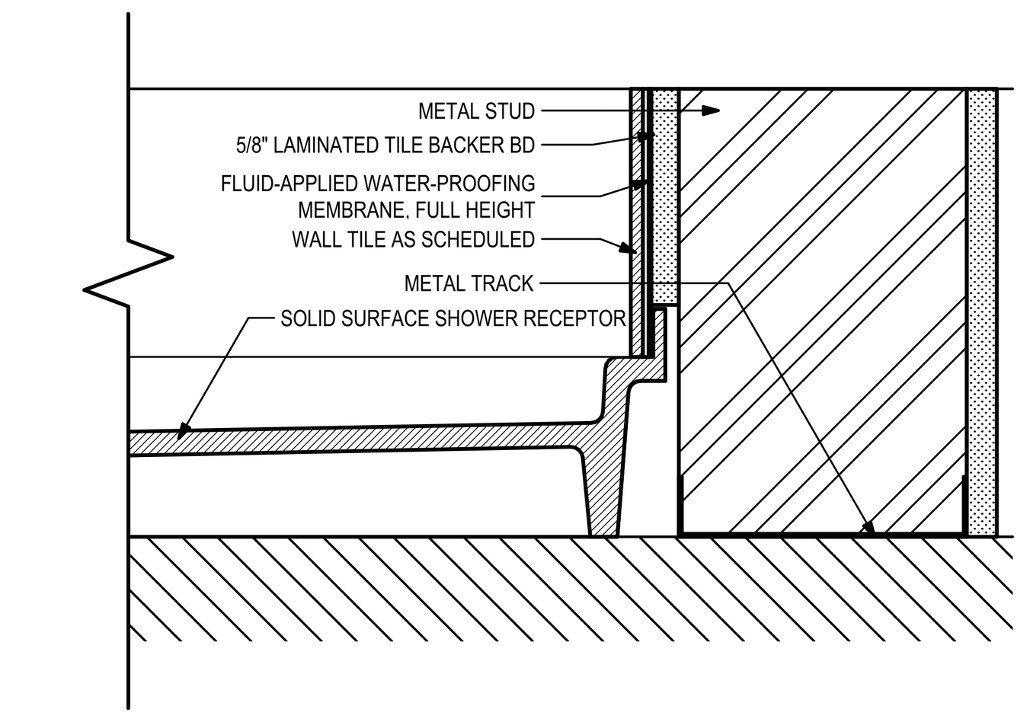
ALW
Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net

Description:
Enlarged Toilet Room Plan

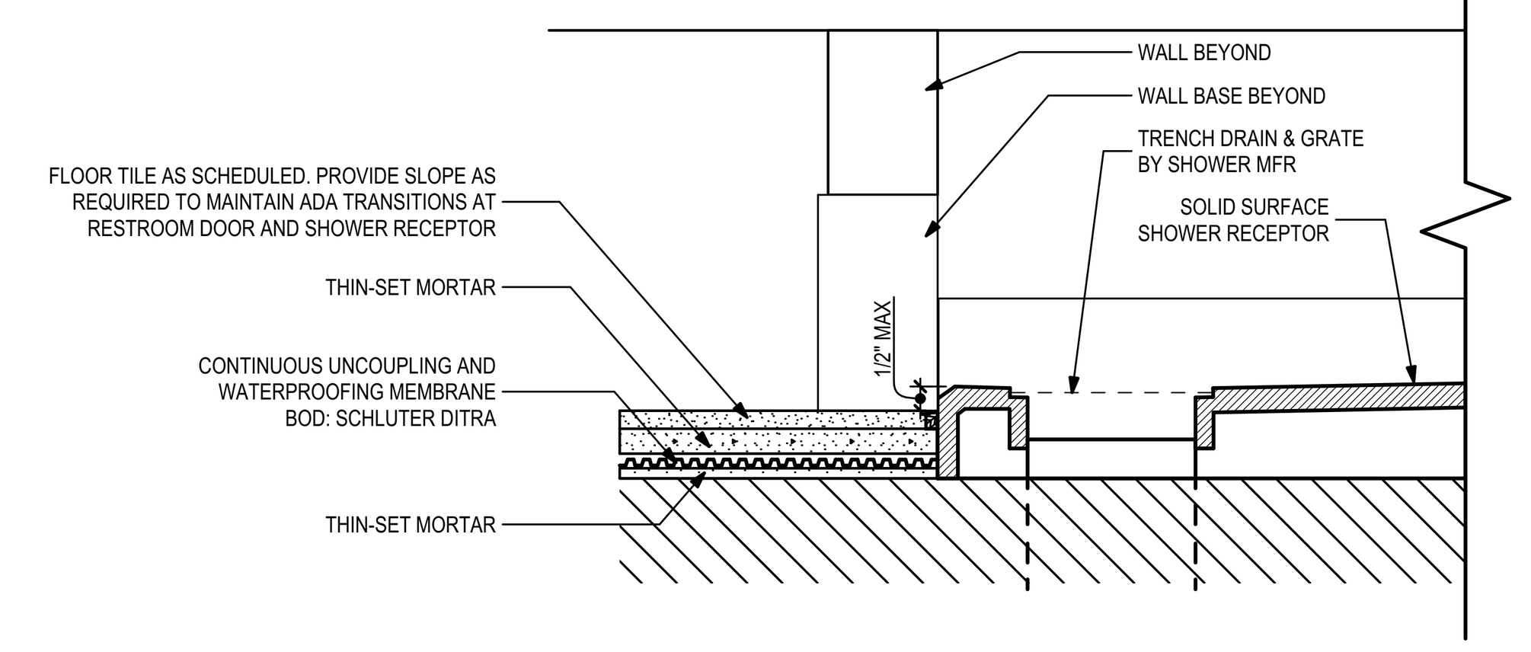
Sheet No.:
A4.2

Accessory Schedule

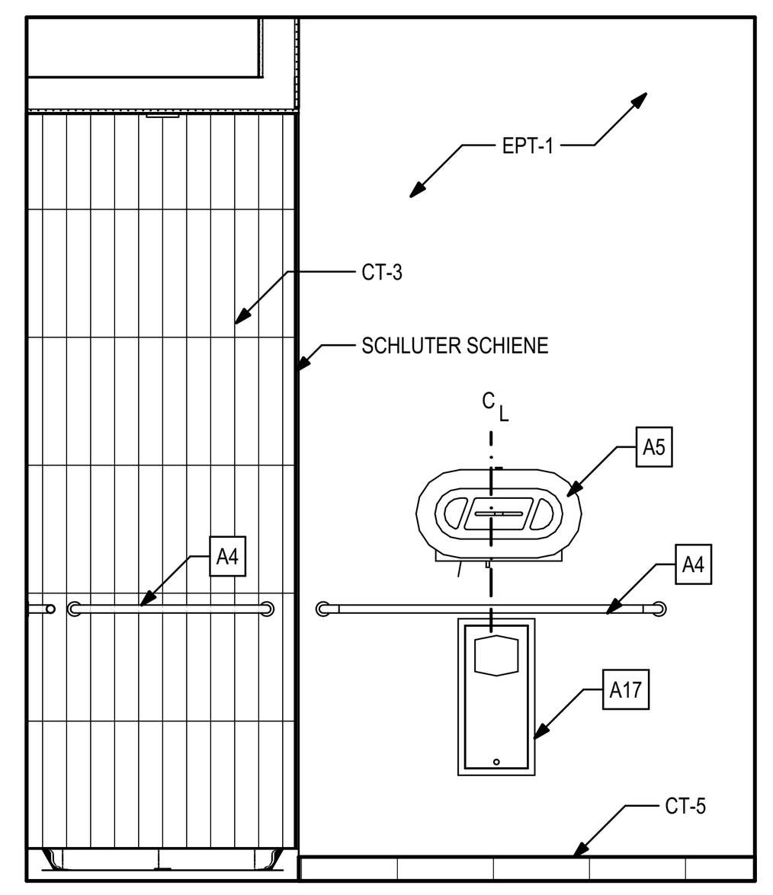
A1	42" L GRAB BAR, 1 1/2" DIA. - BOBRICK, B-9806
A2	36" L GRAB BAR, 1 1/2" DIA. - BOBRICK, B-9806
A3	48" L GRAB BAR, 1 1/2" DIA. - BOBRICK, B-9806
A4	24" L GRAB BAR, 1 1/2" DIA. - BOBRICK, B-9806
A5	TOILET TISSUE DISPENSER - ULINE JUMBO H-1347 - SURFACE-MOUNTED
A6	PAPER TOWEL DISPENSER - KIMBERLY-CLARK HANDS-FREE TOWEL DISPENSER H-2272 - SURFACE-MOUNTED
A7	SEMI-RECESSED STAINLESS STEEL WASTE RECEPTABLE - BOBRICK, B-3644
A8	SOAP DISPENSER - GOJO TOUCH FREE DISPENSER H-1585
A9	24" x 40" FRAMELESS MIRROR
A10	FRAMELESS MIRROR - SIZE VARIES
A11	HEAVY DUTY SHOWER CURTAIN ROD - BOBRICK B-6107. CUSTOM LENGTH TO FIT SHOWER.
A12	SHOWER CURATIN HOOKS - BOBRICK 204-1
A13	COAT HOOK - BOBRICK FINO COLLECTION - FINISH: SATIN STAINLESS STEEL
A14	MOP HOLDER - BOBRICK, B-223X36
A15	TOILET SEAT COVER DISPENSER - ULINE H-878SMOKE - SURFACE-MOUNTED
A16	BABY CHANGING STATION - KOALA KARE KB310-SSWM
A17	SANITARY NAPKIN RECEPTACLE - ULINE H-3454
A18	UTILITY SHELF - BOBRICK B-295X14



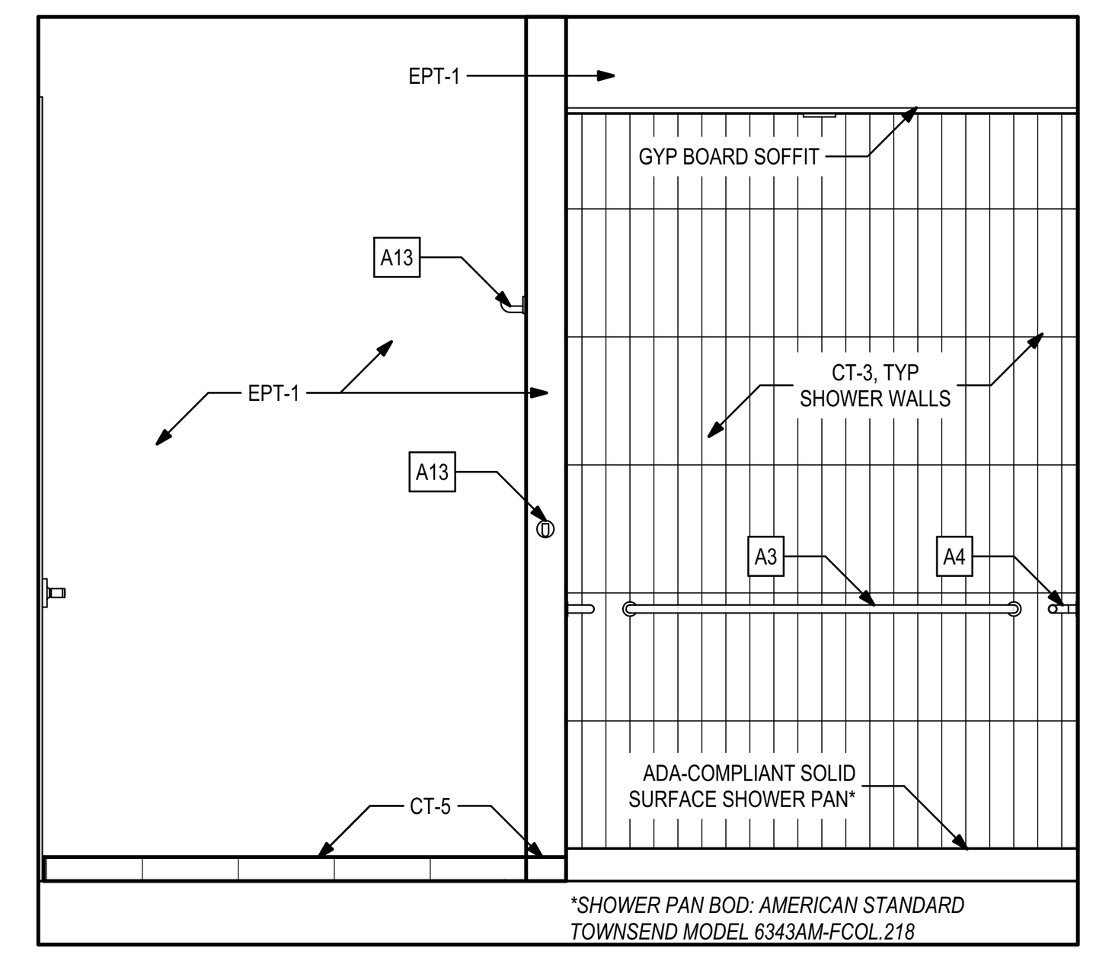
10 Shower Details
3" = 1'-0"



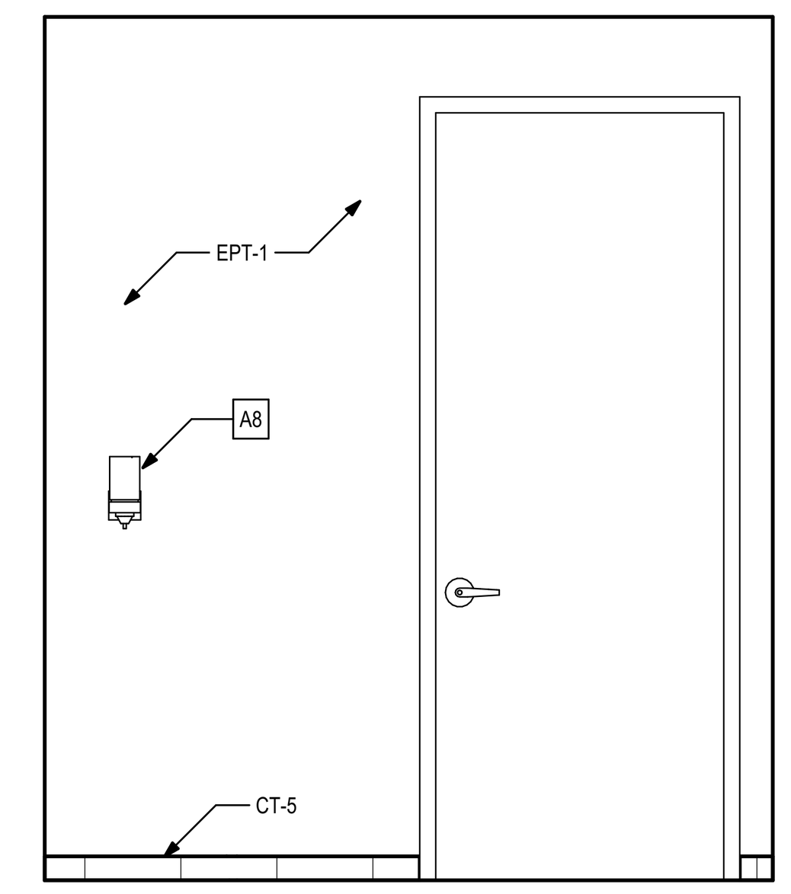
9 Shower Details
3" = 1'-0"



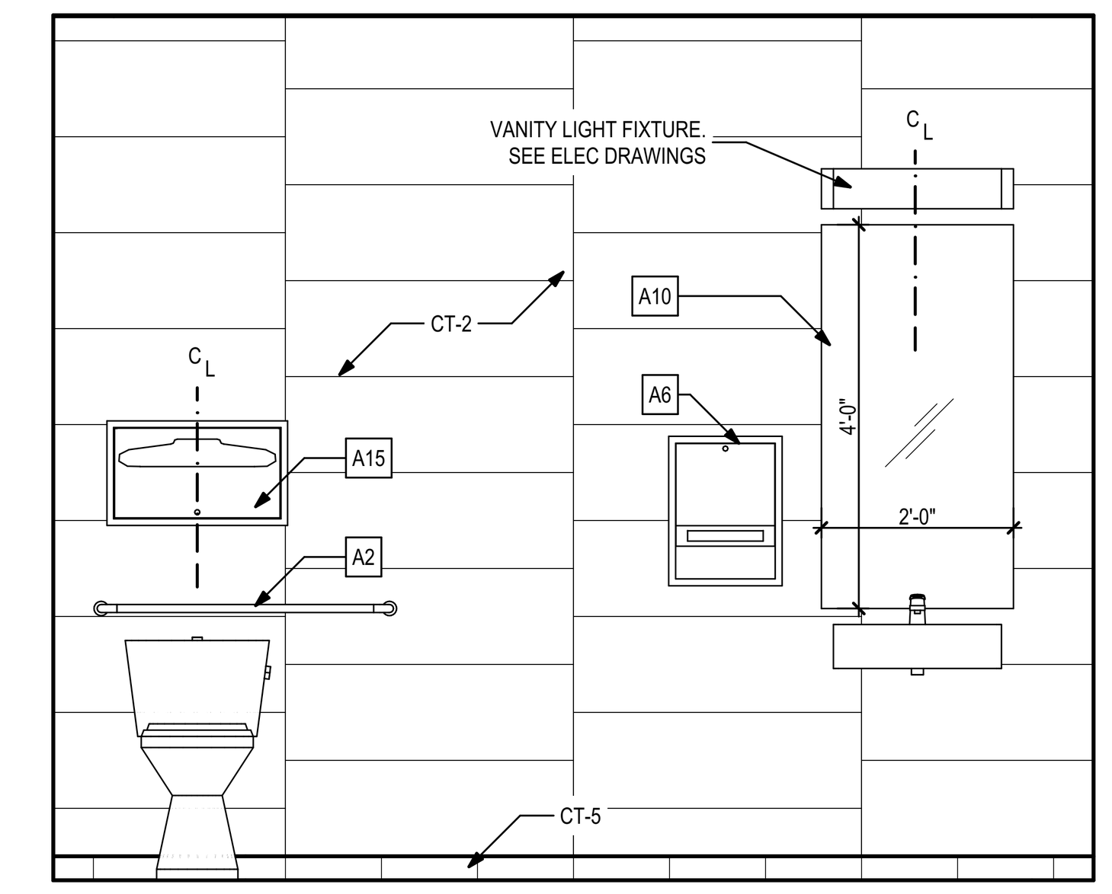
8 Southwest Unisex Restroom
1/2" = 1'-0"



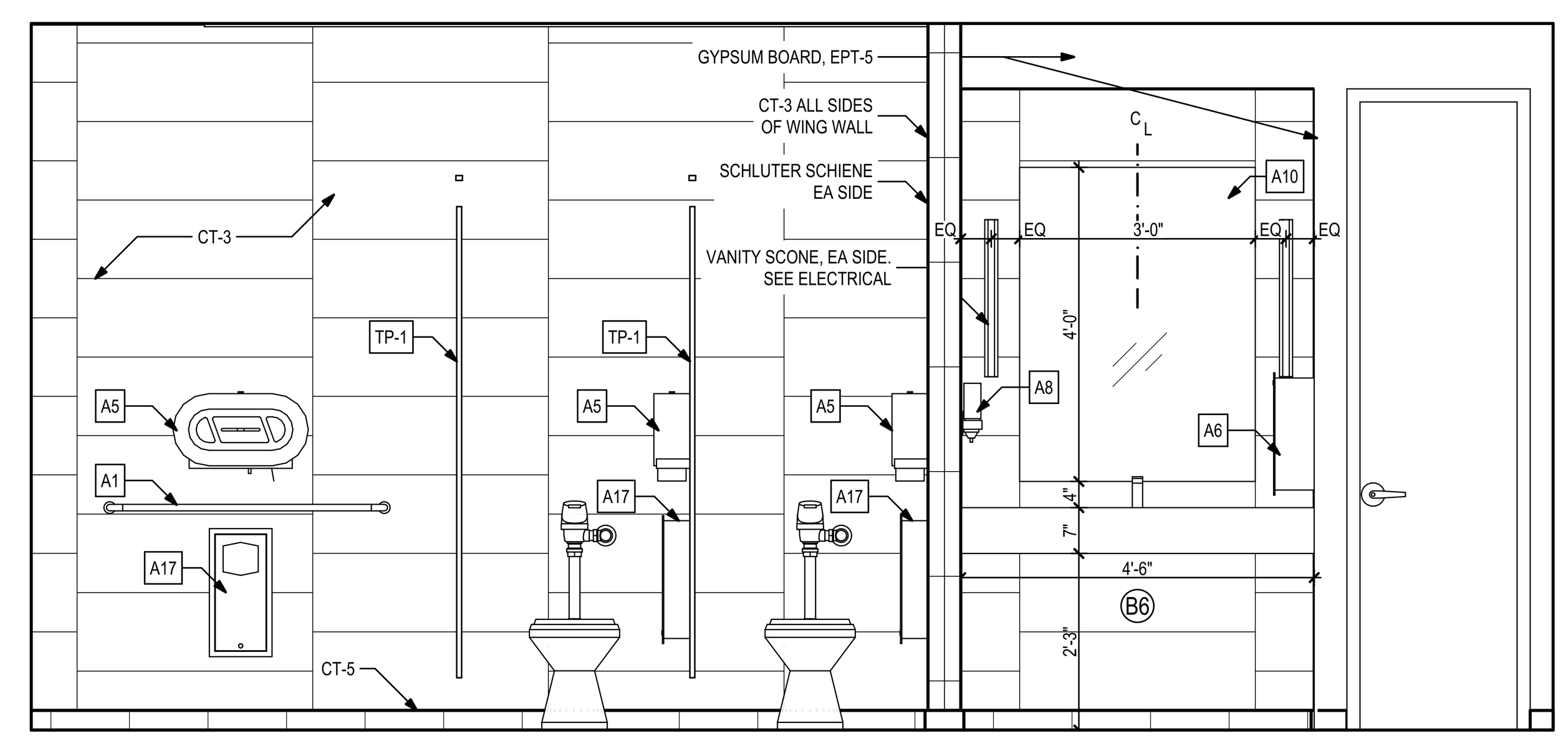
7 Southeast Unisex Restroom
1/2" = 1'-0"



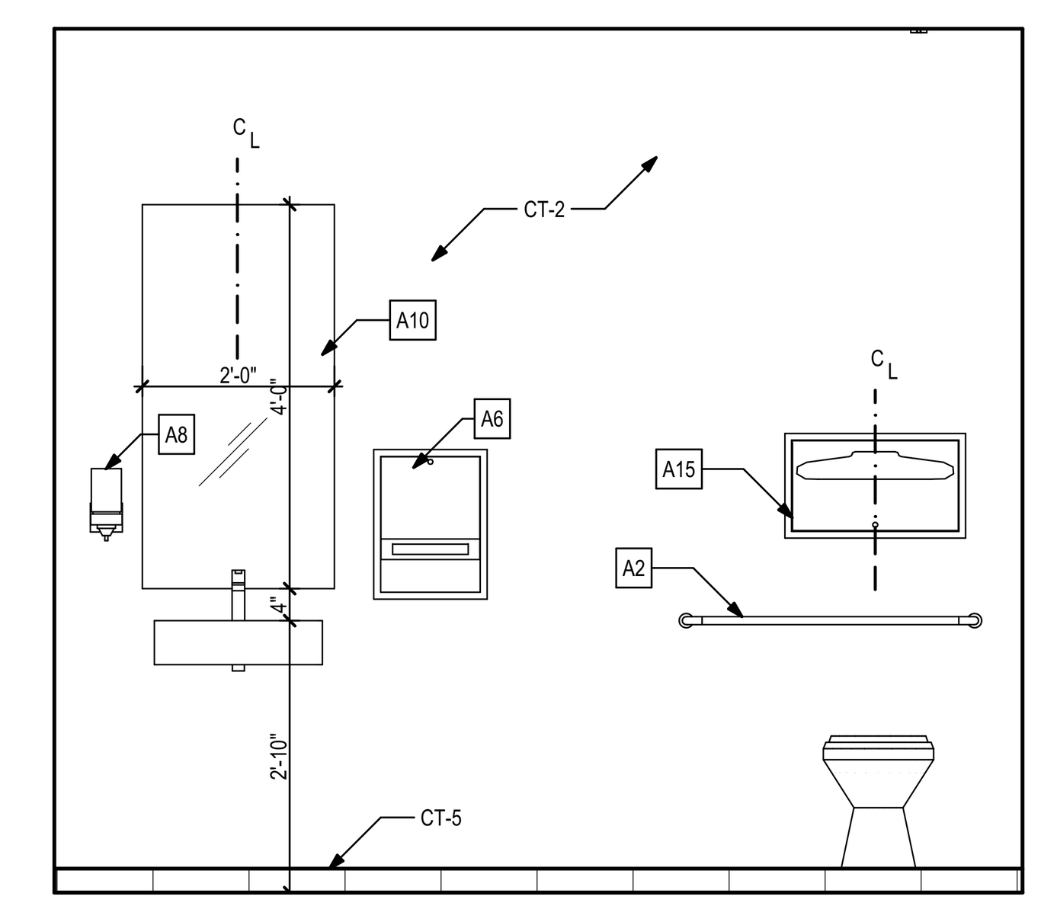
6 Northeast Unisex Restroom
1/2" = 1'-0"



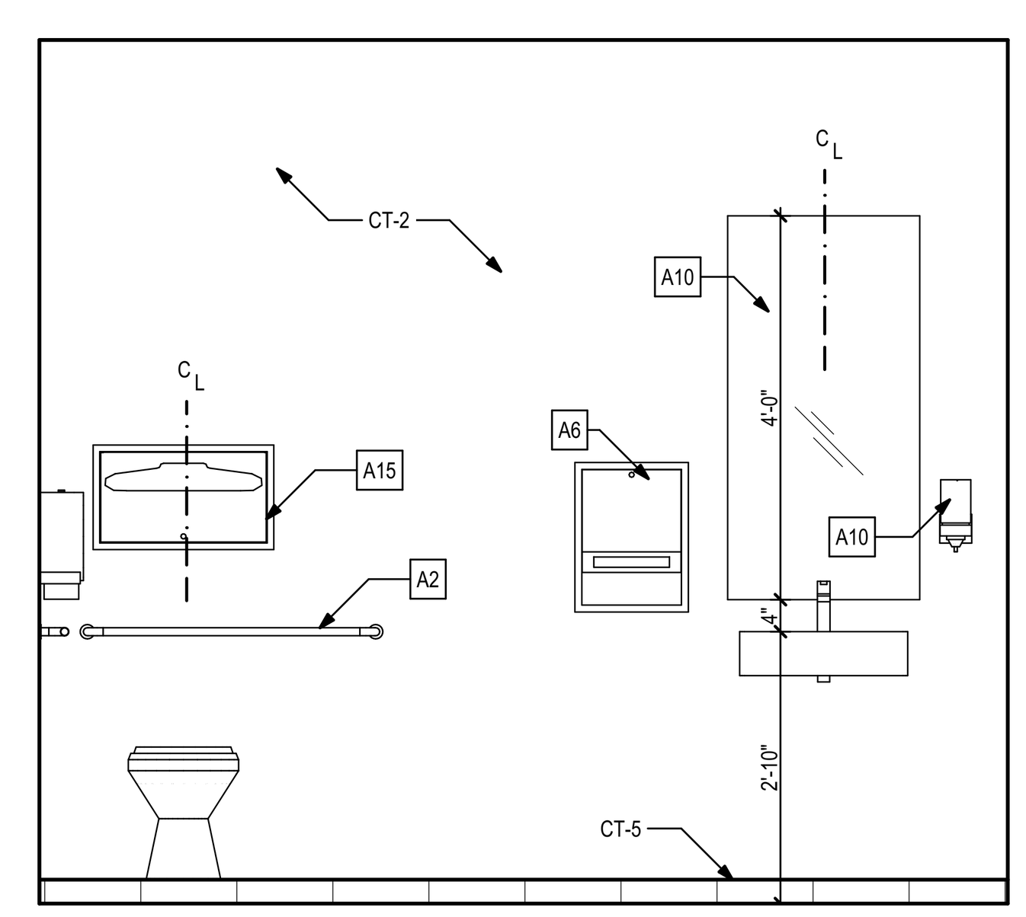
5 Northwest Unisex Restroom
1/2" = 1'-0"



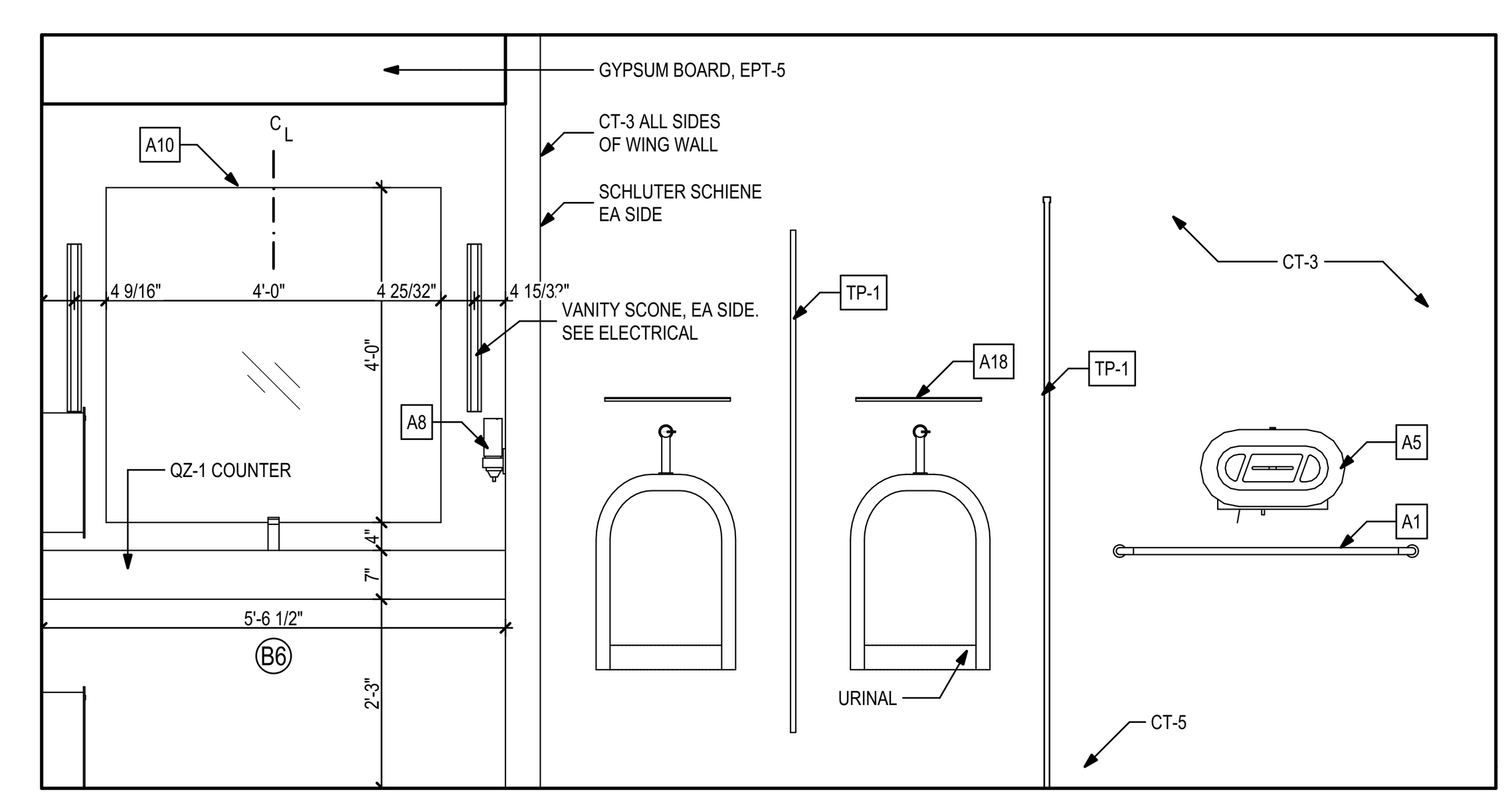
4 Women's Restroom
1/2" = 1'-0"



3 ADA Women's Restroom
1/2" = 1'-0"



2 Men's Restroom
1/2" = 1'-0"



1 ADA Men's Restroom
1/2" = 1'-0"

ID:	REVISION:	DRAWN:	REVIEWED:	DATE:
1	ADDENDUM 1	RS, KS, EE, AK, BG	C. WHITLOCK	01/10/22

PHASE:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT	RS, KS, AK, EE	C. WHITLOCK	07/30/21
50% CONSTRUCTION DOCUMENTS	RS, KS, AK, EE	C. WHITLOCK	10/07/21
100% CONSTRUCTION DOCUMENTS	RS, KS, BG, AK, EE	C. WHITLOCK	12/09/21

Client:
Leon County R&D Authority
Tallahassee, Florida

Job Title:
North Florida Innovation Labs

Consultant:

Seal:

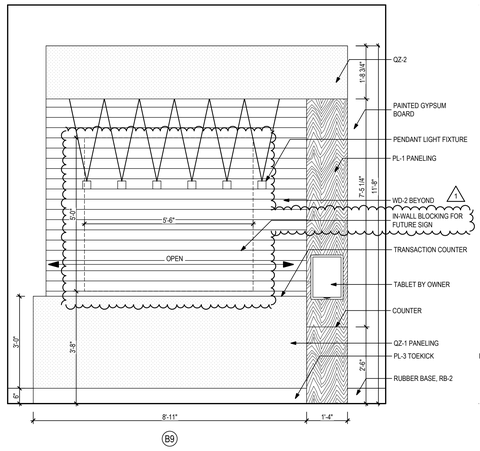
Project #: 21414
Phase: 100% Construction Documents

ALW
Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net

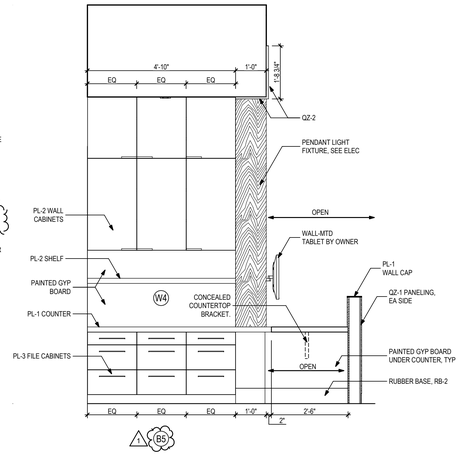
Description:
Interior Elevations & Details

Sheet No.:
A5.1

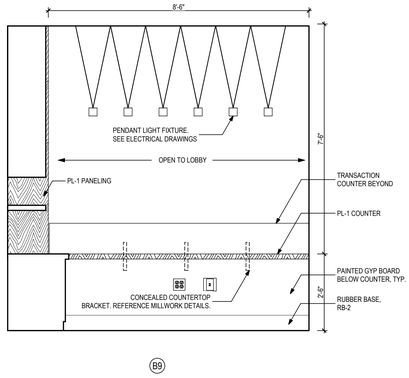
BIMcloud: Lewis-BIM - BIMcloud Basic for ARCHICAD 24/21414 NFIL Teamwork DD Model10:13 PM



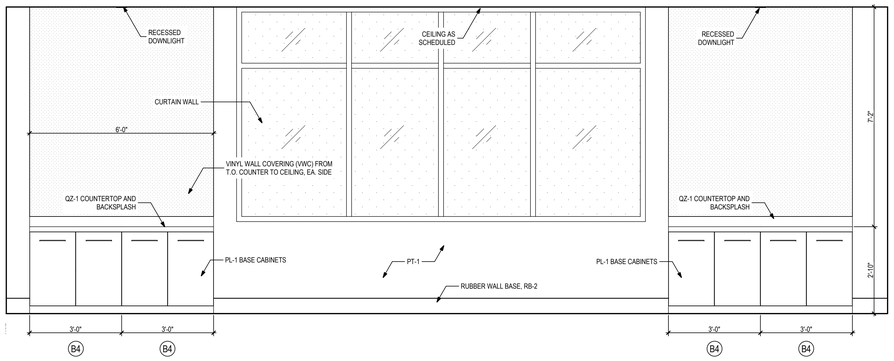
1 Reception
1/2" = 1'-0"



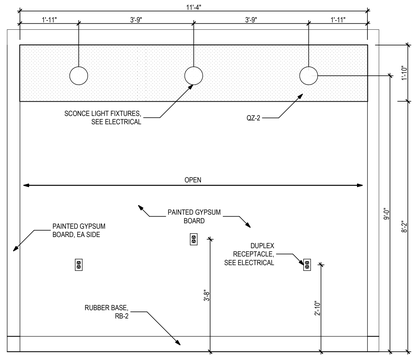
2 Admin
1/2" = 1'-0"



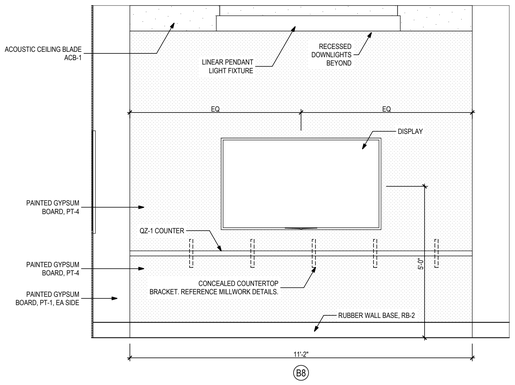
3 Admin
1/2" = 1'-0"



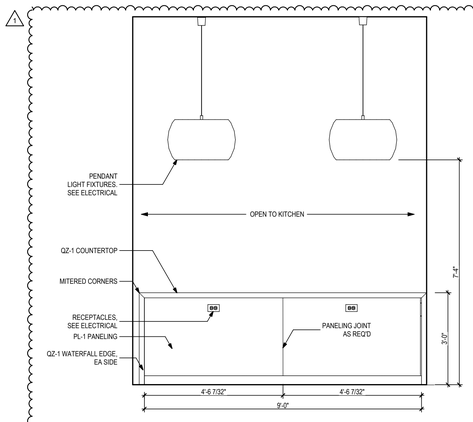
4 Large Conference Room
1/2" = 1'-0"



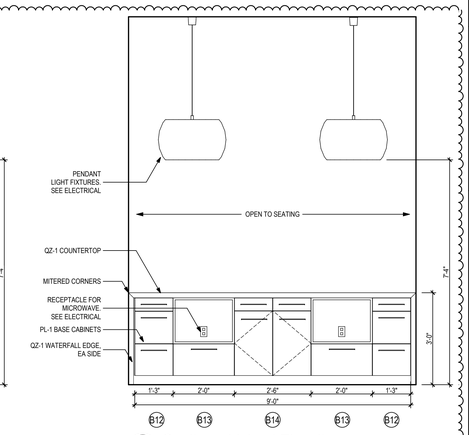
5 Corridor Niche
1/2" = 1'-0"



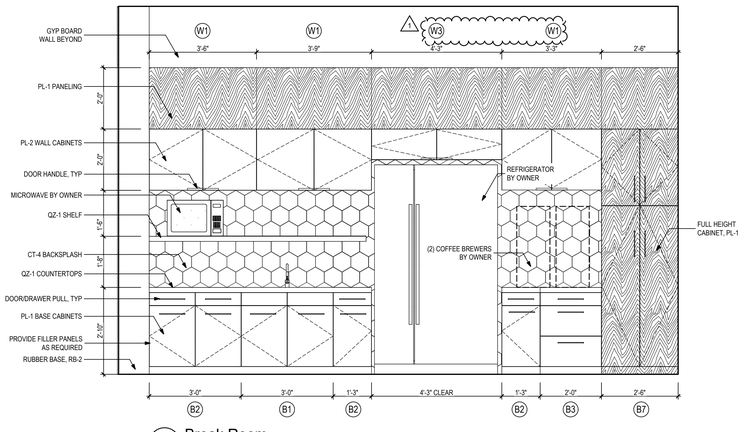
6 Small Conference Room
1/2" = 1'-0"



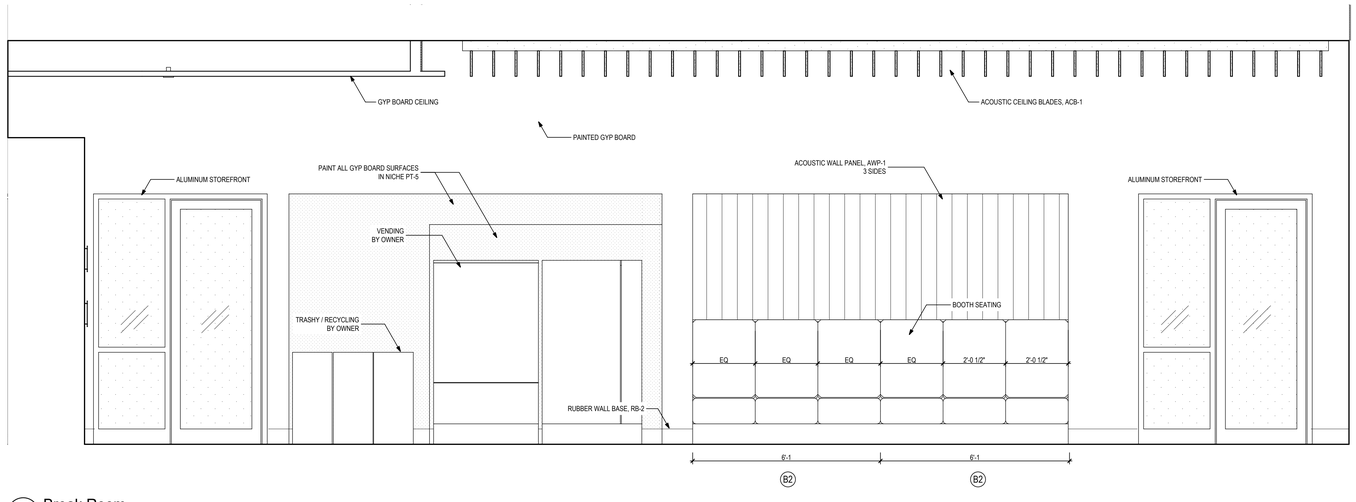
7 Northeast Island Elevation
1/2" = 1'-0"



8 Southwest Island Elevation
1/2" = 1'-0"



9 Break Room
1/2" = 1'-0"



10 Break Room
1/2" = 1'-0"

THESE DRAWINGS AND RENDERINGS ARE INSTRUMENTS OF SERVICE. THE DRAWINGS AND DESIGNS CONTAINED HEREIN, INCLUDING ELECTRONIC MEDIA AND CADD FILES, ARE PROPERTY OF ARCHITECTS LEWIS + WHITLOCK, P.A. AND ARE NOT TO BE USED FOR ANY PURPOSE OTHER THAN THEIR REPRESENTATION OR REPRODUCTION FOR AGREEMENT WITH THE ARCHITECT. IS AGREEMENT WITH THE ARCHITECT IS SHALL BE TRUE AS IF DIRECTLY PLACED ON EACH DRAWING AND SHALL NOT BE REMOVED FROM THESE DOCUMENTS. THIS DOCUMENT AND SHALL NOT BE

ID:	REVISION:	DATE:	DRAWN:	REVIEWED:
1	ADDENDUM 1	01/10/22	RS, KS, EE, AK, BG	C. WHITLOCK

PHASE:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT	RS, KS, AK, EE	C. WHITLOCK	07/30/21
95% CONSTRUCTION DOCUMENTS	RS, KS, AK, EE	C. WHITLOCK	10/07/21
100% CONSTRUCTION DOCUMENTS	RS, KS, BG, AK, EE	C. WHITLOCK	12/09/21

Client: Leon County R&D Authority
Tallahassee, Florida

Job Title: North Florida Innovation Labs

Consultant:

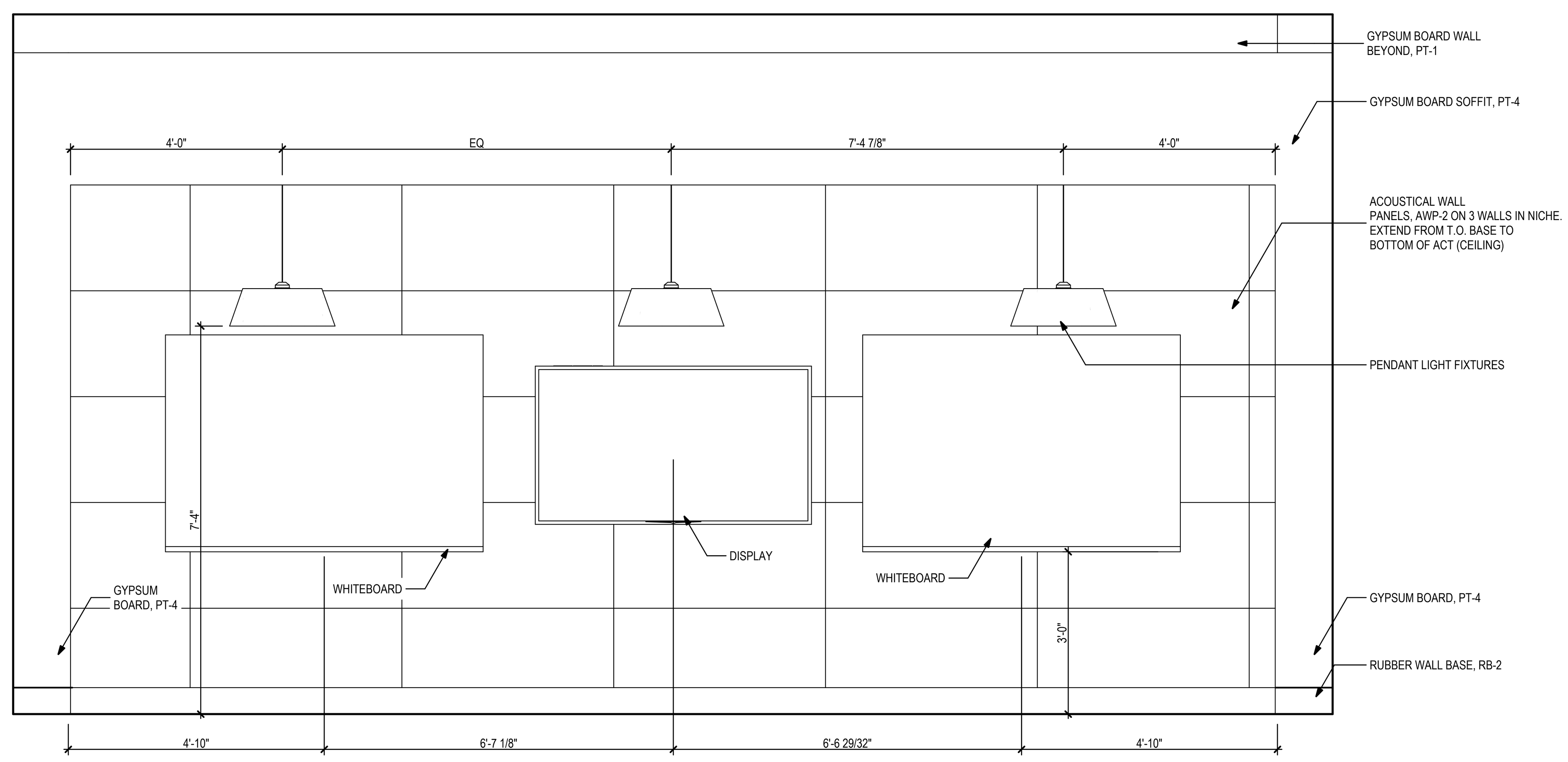
Seal:

Project #: 21414
Phase: 100% Construction Documents

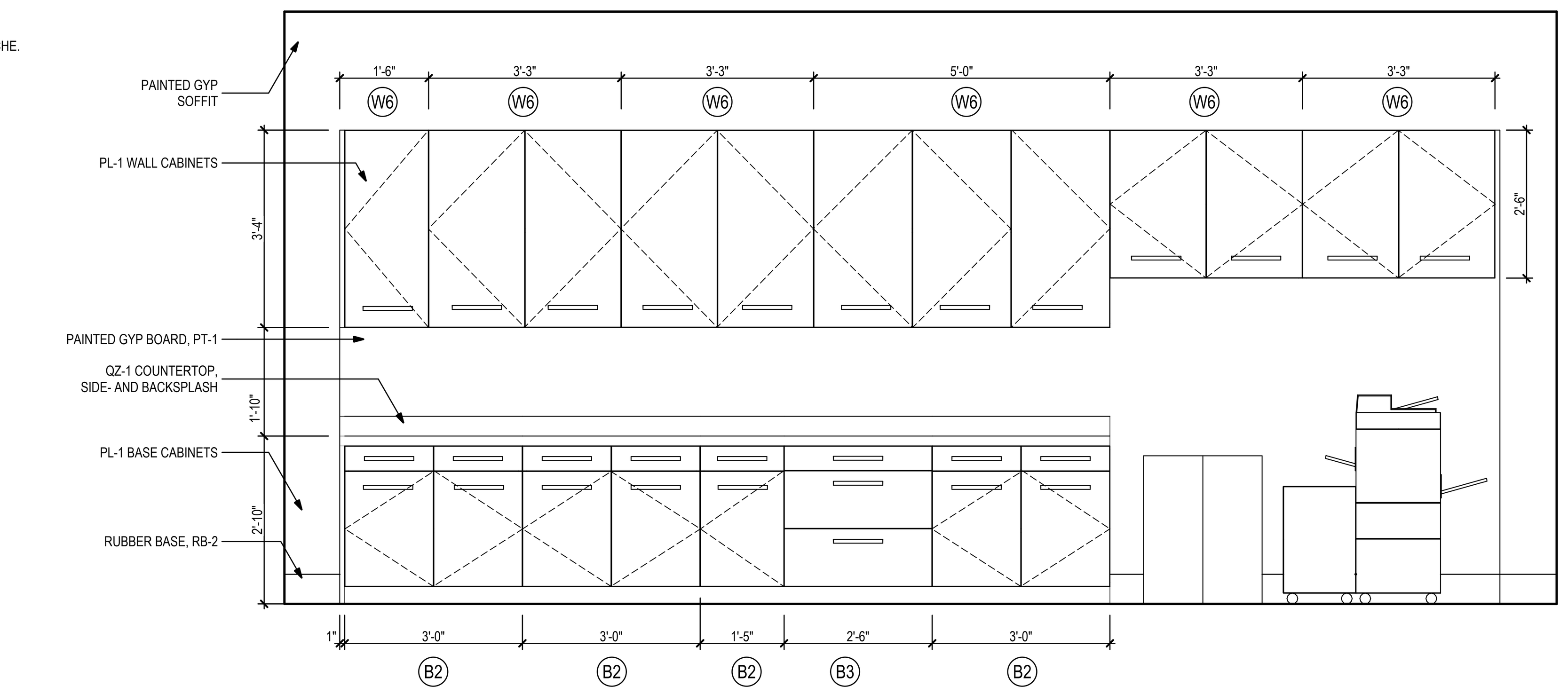
Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net

Description:
Interior Elevations

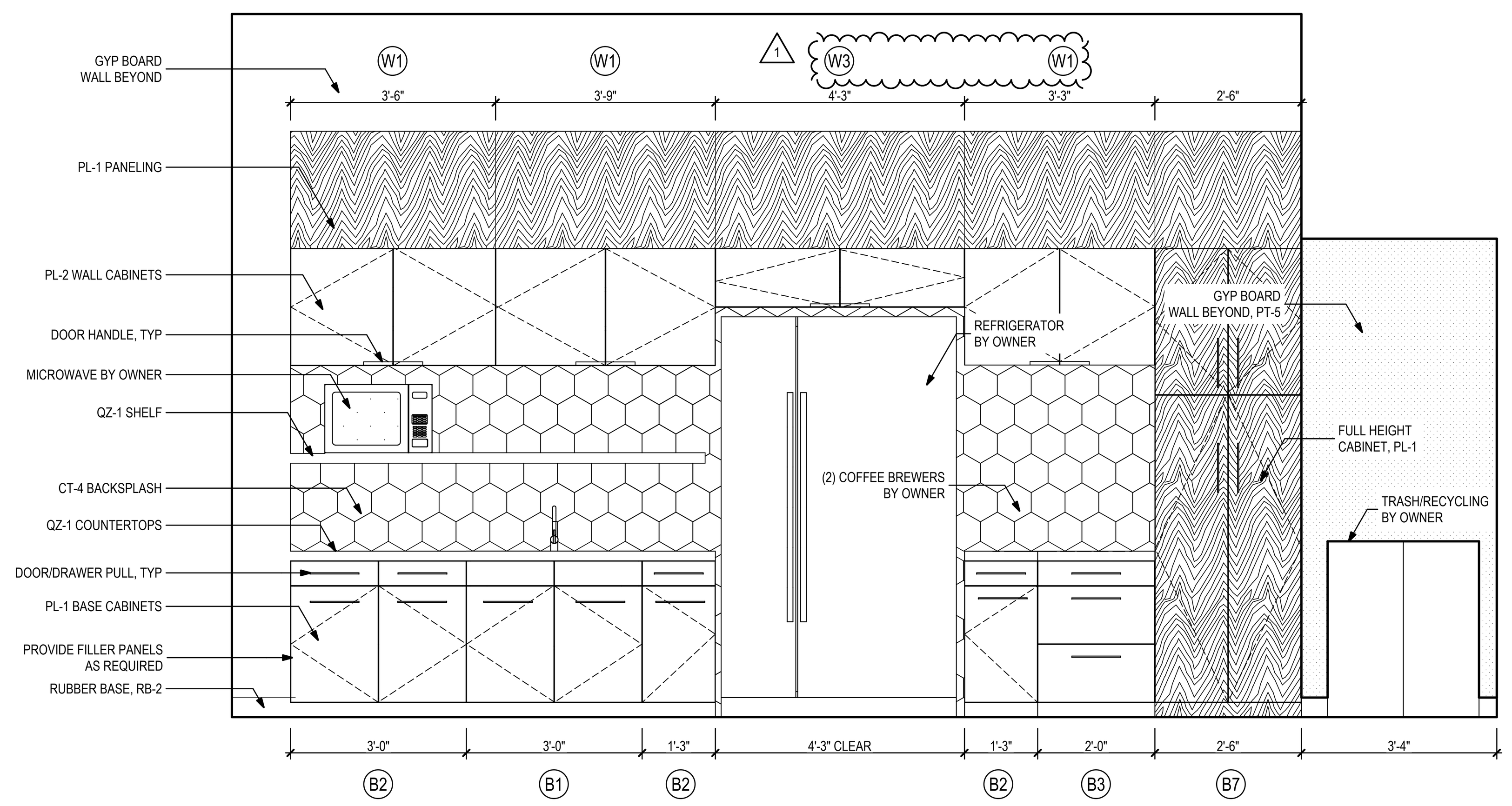
Sheet No.:
A5.2



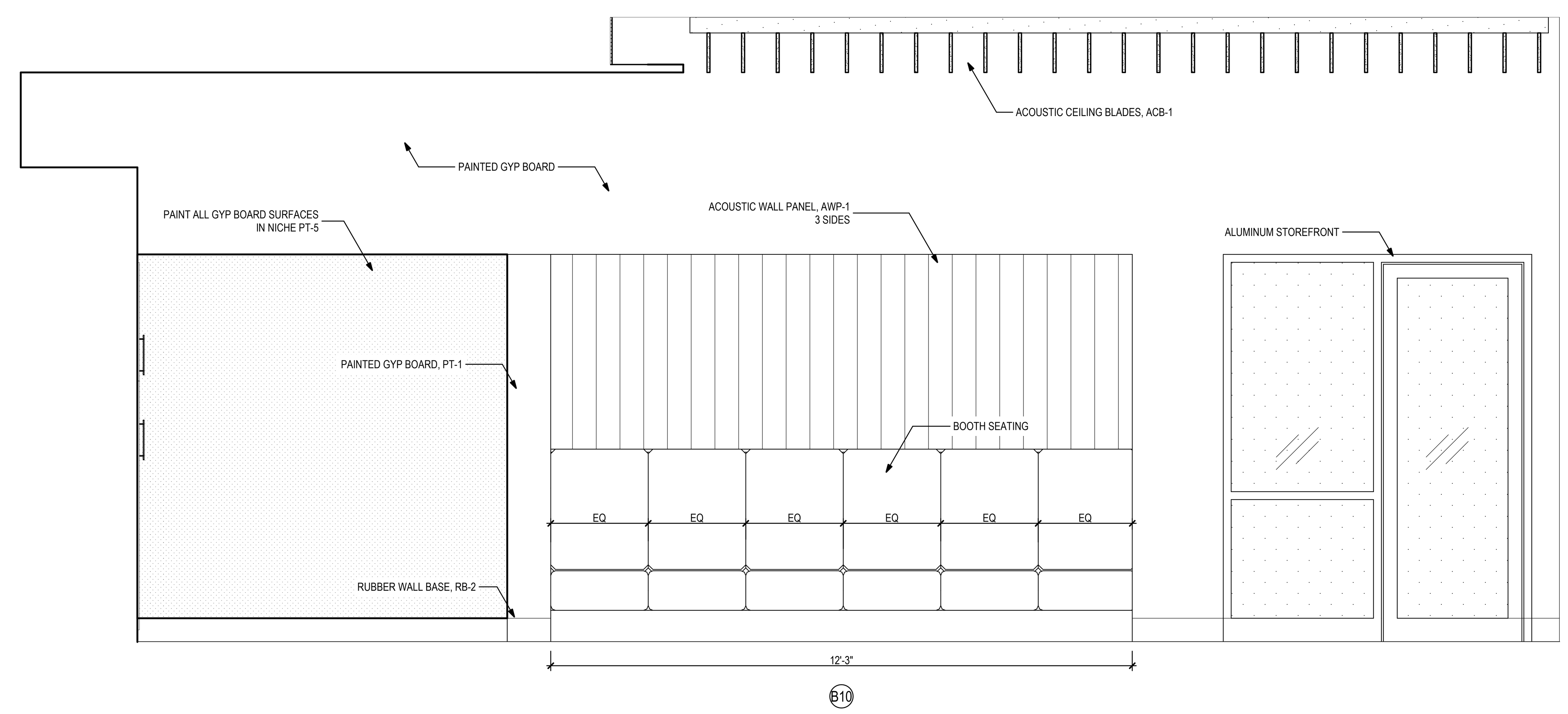
1 Shared Work/Collab Open Space
1/2" = 1'-0"



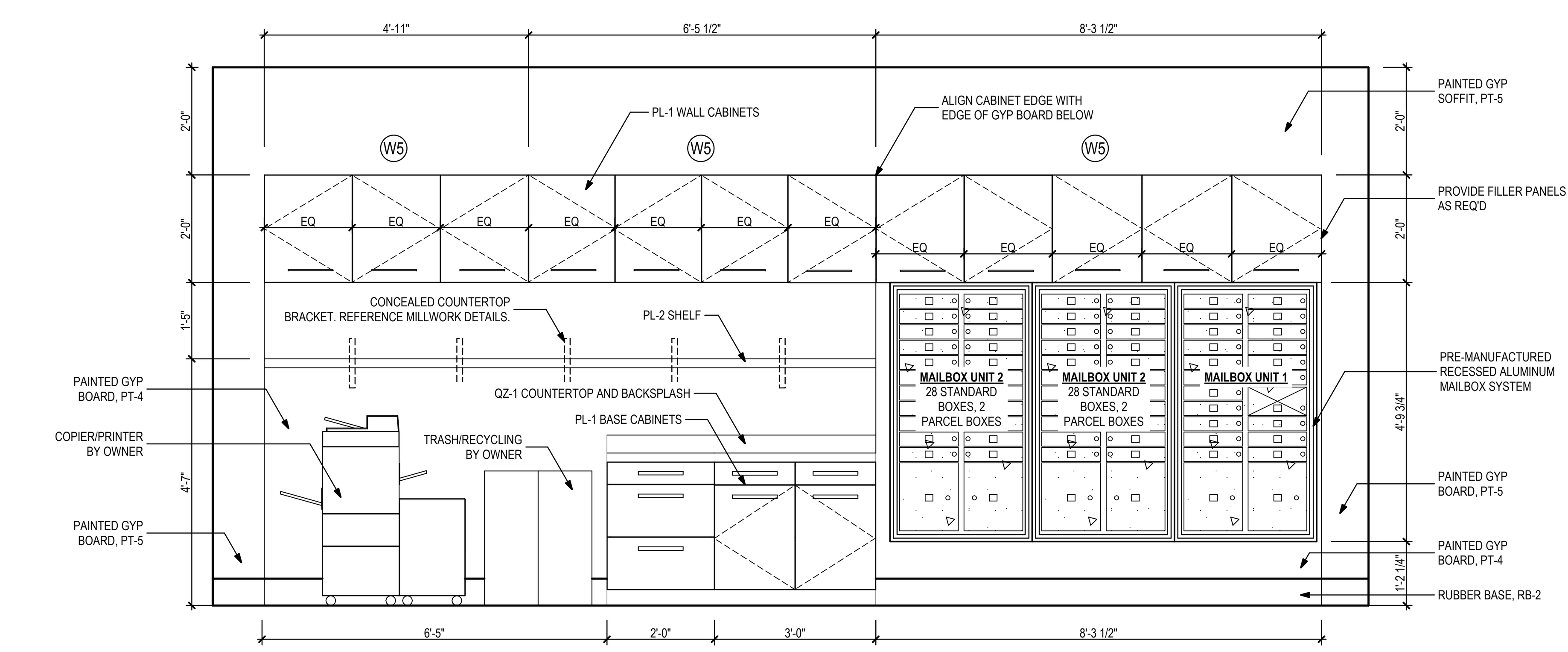
2 Second Floor Print Lounge
1/2" = 1'-0"



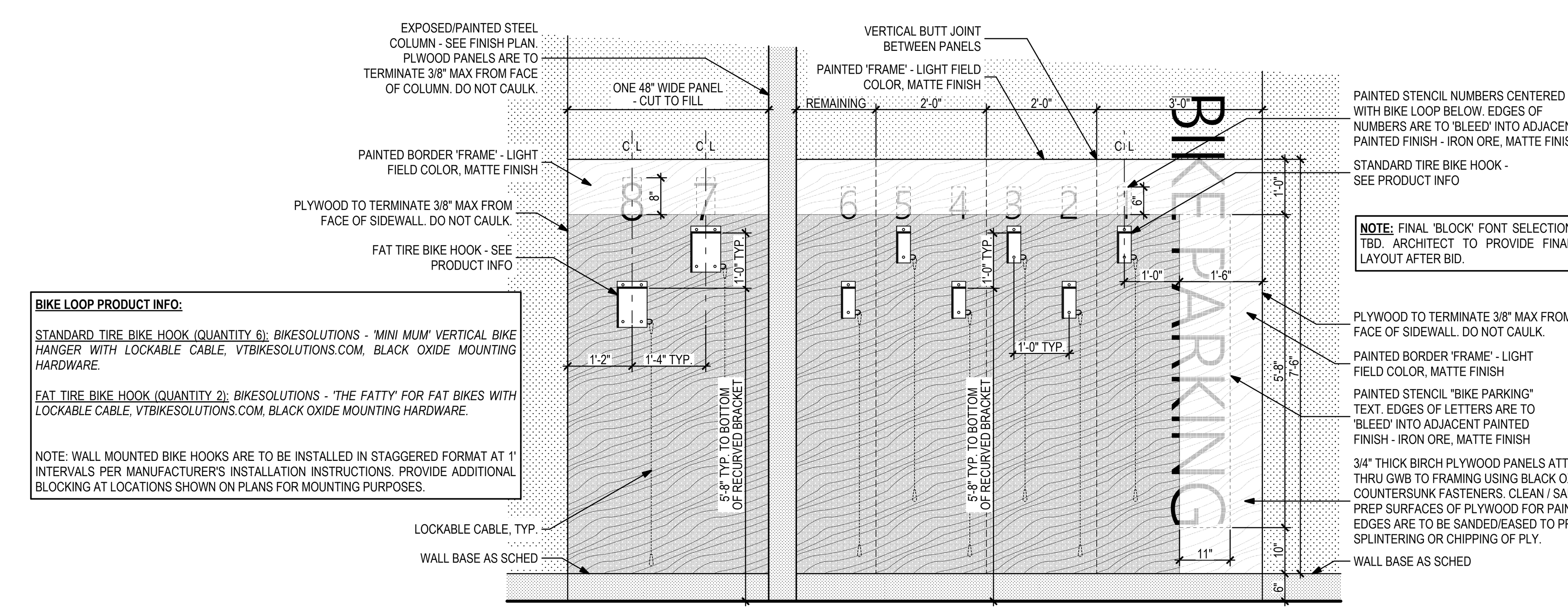
3 Second Floor Break Room
1/2" = 1'-0"



4 Second Floor Break Room
1/2" = 1'-0"



6 Print Lounge
1/2" = 1'-0"



BIKE LOOP PRODUCT INFO:

STANDARD TIRE BIKE HOOK (QUANTITY 6): BIKESOLUTIONS - 'MINI MUM' VERTICAL BIKE HANGER WITH LOCKABLE CABLE, VTBIKESOLUTIONS.COM. BLACK OXIDE MOUNTING HARDWARE.

FAT TIRE BIKE HOOK (QUANTITY 2): BIKESOLUTIONS - 'THE FATTY' FOR FAT BIKES WITH LOCKABLE CABLE, VTBIKESOLUTIONS.COM. BLACK OXIDE MOUNTING HARDWARE.

NOTE: WALL MOUNTED BIKE HOOKS ARE TO BE INSTALLED IN STAGGERED FORMAT AT 1' INTERVALS PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. PROVIDE ADDITIONAL BLOCKING AT LOCATIONS SHOWN ON PLANS FOR MOUNTING PURPOSES.

5 Interior Bike Parking Elevation - Shipping and Receiving
1/2" = 1'-0"

REVISION:	ID:	DRAWN:	REVIEWED:	DATE:
ADDENDUM 1	1	RS, KS, EE, AK, BG	C. WHITLOCK	01/10/22

PHASE:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT	RS, KS, AK, EE	C. WHITLOCK	07/26/21
50% CONSTRUCTION DOCUMENTS	RS, KS, AK, EE	C. WHITLOCK	10/07/21
100% CONSTRUCTION DOCUMENTS	RS, BG, AK, EE	C. WHITLOCK	12/09/21

Client:
Leon County R&D Authority
Tallahassee, Florida

Job Title:
North Florida Innovation Labs

Consultant:

Seal:

Project #: 21414
Phase: 100% Construction Documents

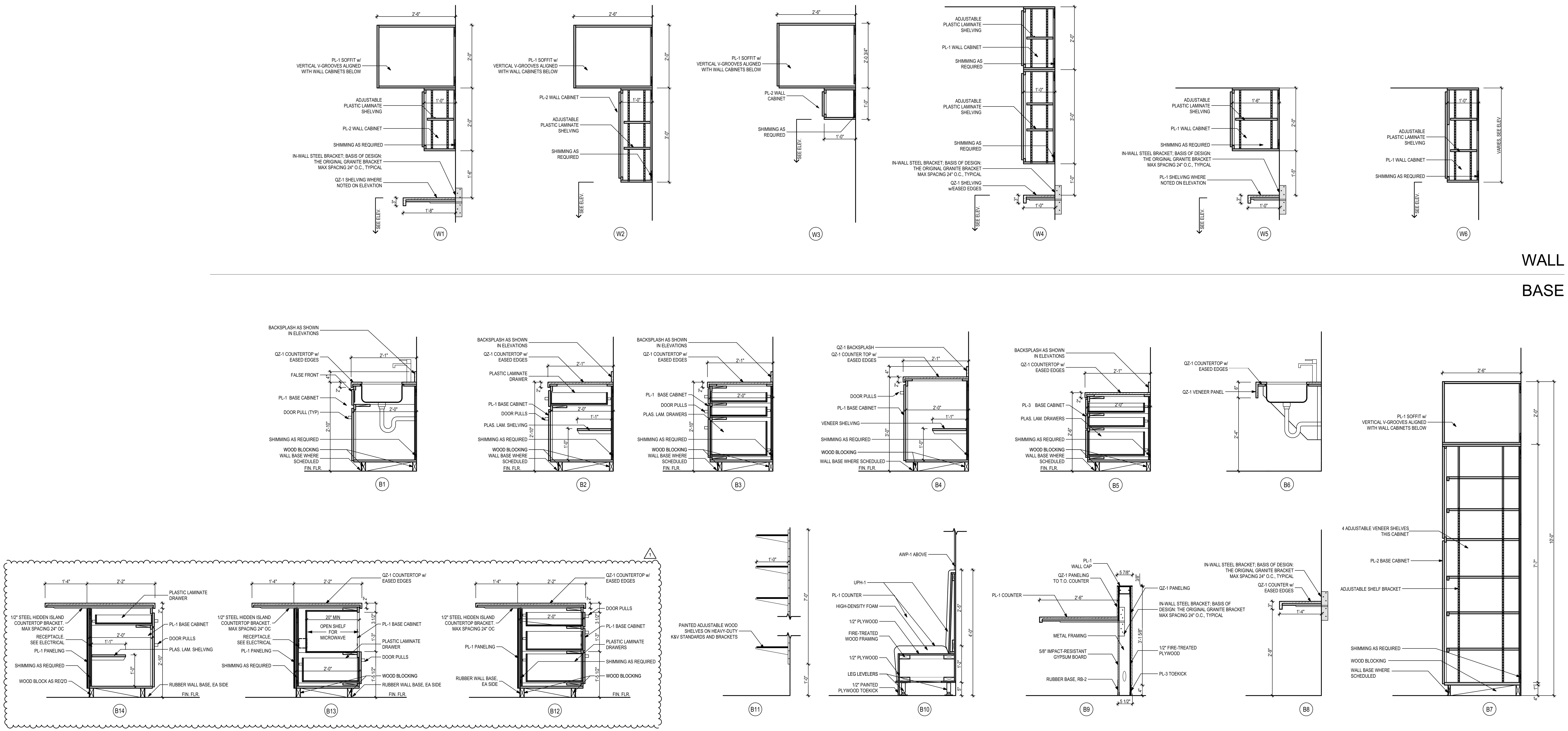
ALW

Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net

Description:
Interior Elevations

Sheet No.:
A5.3

Millwork Sections



BIMcloud: Lewis-BIM - BIMcloud Basic for ARCHICAD 24/21414 NFIL Teamwork DD Model|10:13 PM

ID:	REVISION:	DRAWN:	REVIEWED:	DATE:
1	ADDENDUM 1	RS, KS, EE, AK, BG	C. WHITLOCK	01/10/22

PHASE:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT	RS, KS, AK, EE	C. WHITLOCK	07/28/21
50% CONSTRUCTION DOCUMENTS	RS, KS, AK, EE	C. WHITLOCK	10/07/21
100% CONSTRUCTION DOCUMENTS	RS, KS, BG, AK, EE	C. WHITLOCK	12/09/21

Client: **Leon County R&D Authority**
Tallahassee, Florida

Job Title: **North Florida Innovation Labs**

Consultant:

Seal:

Project #: 21414
Phase: 100% Construction Documents

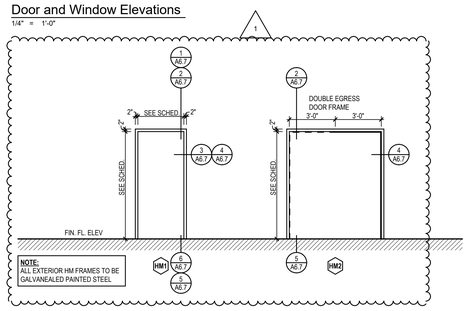
ALW
Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net

Description: **Millwork Details**

Sheet No.: **A5.4**

Door and Window Elevations

1/4" = 1'-0"

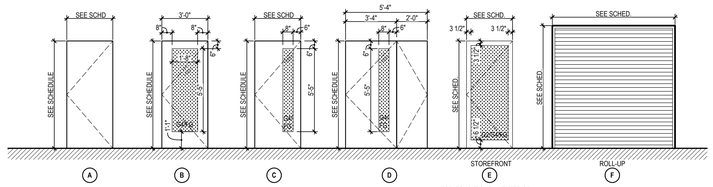


NOTE:
ALL EXTERIOR HM FRAMES TO BE GALVANEALED PAINTED STEEL

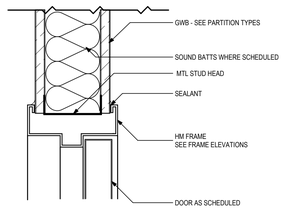
GLAZING SCHEDULE

G1	1" INSULATED
G2	1" INSUL./ TEMPERED
G3	1/4" FLOAT GLASS
G4	1/4" TEMPERED
G5	1/4" TEMPERED - FROSTED BANDING WHERE SPECIFIED
G6	1" INSULATED TEMPERED SPANDREL GLASS - COLOR TBD
FG	1/4" FIRE RATED GLASS - 45 MINUTE
FG2	1" INSULATED FIRE RATED GLASS

NOTE:
FOR FIRE RATED DOORS WITH GLASS, SEE DOOR SCHEDULE



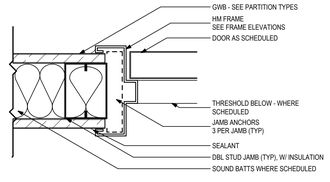
FOR CONDITIONS IN EXTERIOR STOREFRONT/ CURTAIN WALL FRAMES, GLAZING IS TO BE G2 - 1" INSULATED/TEMPERED GLASS



Typical Interior Door

3 HM Door Head - 4" Int. Mtl. Stud

3" = 1'-0"



Typical Interior Door

4 HM Door Jamb - 4" Int. Mtl Stud

3" = 1'-0"

1 Door Schedule

1' = 1'-0"

DOOR NO.	LOCATION	DOOR ELEVATION	DOOR SIZE W	DOOR SIZE HT	DOOR MATERIAL	DOOR FINISH	FRAME ELEVATION	FRAME MATERIAL	FRAME FINISH	FIRE RATING	HARDWARE	NOTES
D100	Exterior	E-Pair	6'-0"	8'-0"	AL/GL	AN		AL	AN	Non-Rated	1.0	PRX
D100A	Interior	B-Pair	6'-0"	8'-0"	WD/GL	FS	HM2	HM	PT.	45 minutes	11.0	PRX, DBL EGRESS
D100B	Interior	E	3'-0"	8'-0"	AL/GL	AN		AL	AN	Non-Rated	27.0	
D100D	Interior	B-Pair	6'-0"	8'-0"	WD/GL	FS	HM2	HM	PT.	45 minutes	11.0	PRX, DBL EGRESS
D100F	Interior	C-Pair	6'-0"	8'-0"	WD	FS	HM1	HM	PT..	Non-Rated	17.0	
D100G	Exterior	E-Pair	6'-0"	8'-0"	AL/GL	AN		AL	AN	Non-Rated	1.1	PRX
D100H	Exterior	E	3'-0"	8'-0"	AL/GL	AN		AL	AN	Non-Rated	2.0	PRX
D101	Interior	E	3'-0"	8'-0"	AL/GL	AN		AL	AN	Non-Rated	28.0	RS
D101A	Interior	A	3'-0"	8'-0"	WD	FS	HM1	HM	PT	Non-Rated	29.0	
D102	Interior	E	3'-0"	8'-0"	AL/GL	AN		AL	AN.	Non-Rated	28.0	RS
D103A	Interior	E	3'-0"	8'-0"	AL/GL	AN		AL	AN.	Non-Rated	27.0	RS
D103B	Interior	E	3'-0"	8'-0"	AL/GL	AN		AL	AN.	Non-Rated	27.0	RS
D105	Interior	A	3'-0"	8'-0"	WD	FS	HM1	HM	PT	Non-Rated	31.0	
D106	Interior	E	3'-0"	8'-0"	AL/GL	AN		AL	AN	Non-Rated	27.0	
D107	Interior	E	3'-0"	8'-0"	AL/GL	AN		AL	AN	Non-Rated	28.0	
D108	Interior	A	3'-0"	8'-0"	WD	FS	HM1	HM	PT	Non-Rated	26.0	MP,
D108A	Interior	A	2'-0"	8'-0"	WD	FS	HM1	HM	PT	Non-Rated	22.0	
D109A	Interior	A	3'-0"	8'-0"	WD	FS	HM1	HM	PT	Non-Rated	29.0	
D109B	Interior	E	3'-0"	8'-0"	AL/GL	AN		AL	AN	Non-Rated	27.0	
D109C	Interior	E	3'-0"	8'-0"	AL/GL	AN		AL	AN	Non-Rated	27.0	
D109D	Interior	E	3'-0"	8'-0"	AL/GL	AN		AL	AN	Non-Rated	27.0	
D109E	Interior	E	3'-0"	8'-0"	AL/GL	AN		AL	AN	Non-Rated	27.0	
D110	Interior	D	5'-4"	8'-0"	WD/GL	FS	HM1	HM	PT	Non-Rated	14.0	F-PRX
D110A	Interior	A	2'-0"	8'-0"	WD	FS	HM1	HM	PT	Non-Rated	29.0	
D110B	Interior	A	3'-0"	8'-0"	WD	FS.	HM1	HM	PT	Non-Rated	23.0	
D111	Interior	D	5'-4"	8'-0"	WD/GL	FS	HM1	HM	PT	Non-Rated	14.0	F-PRX,
D111A	Interior	A	2'-0"	8'-0"	WD	FS		HM	PT	Non-Rated	29.0	
D111B	Interior	A	3'-0"	8'-0"	WD	FS.	HM1	HM	PT	Non-Rated	23.0	
D112A	Interior	A	3'-0"	8'-0"	WD	FS	HM1	HM	PT	Non-Rated	29.0	
D112B	Interior	E	3'-0"	8'-0"	AL/GL	AN		AL	AN	Non-Rated	27.0	
D112C	Interior	E	3'-0"	8'-0"	AL/GL	AN		AL	AN	Non-Rated	27.0	
D112D	Interior	E	3'-0"	8'-0"	AL/GL	AN		AL	AN	Non-Rated	27.0	
D112E	Interior	E	3'-0"	8'-0"	AL/GL	AN		AL	AN	Non-Rated	27.0	
D113	Interior	C	3'-0"	8'-0"	WD/GL	FS	HM1	HM	PT	Non-Rated	19.0	F-PRX
D113A	Interior	A	2'-0"	8'-0"	WD	FS.	HM1	HM	PT	Non-Rated	29.0	
D114A	Interior	A	3'-0"	8'-0"	WD	FS	HM1	HM	PT	Non-Rated	29.0	
D114B	Interior	E	3'-0"	8'-0"	AL/GL	AN		AL	AN	Non-Rated	27.0	
D114C	Interior	E	3'-0"	8'-0"	AL/GL	AN		AL	AN	Non-Rated	27.0	
D114D	Interior	E	3'-0"	8'-0"	AL/GL	AN		AL	AN	Non-Rated	27.0	
D114E	Interior	E	3'-0"	8'-0"	AL/GL	AN		AL	AN	Non-Rated	27.0	
D115	Interior	A	3'-0"	8'-0"	WD	FS	HM1	HM	PT	Non-Rated	20.0	
D115A	Exterior	A	3'-0"	8'-0"	HM	PT	HM1	HM	PT	Non-Rated	7.0	
D116	Interior	A	3'-0"	8'-0"	WD	FS	HM1	HM	PT	Non-Rated	20.0	
D116A	Exterior	A-Pair	6'-0"	8'-0"	HM	PT	HM1	HM	PT	Non-Rated	4.0	
D117	Interior	A	3'-0"	8'-0"	WD	FS.	HM1	HM	PT	Non-Rated	29.0	
D117A	Interior	A	2'-8"	8'-0"	WD	FS	HM1	HM	PT	Non-Rated	29.0	
D118	Interior	A	3'-0"	8'-0"	WD	FS.	HM1	HM	PT	Non-Rated	32.0	
D119	Interior	A	3'-0"	8'-0"	WD/GL	FS	HM1	HM	PT	Non-Rated	21.0	
D119A	Exterior	A-Pair	6'-0"	8'-0"	HM	PT	HM1	HM	PT	Non-Rated	5.0	
D120	Interior	D-Pair	5'-4"	8'-0"	WD/GL	FS	HM1	HM	PT	45 minutes	12.0	F-PRX
D120A	Interior	A	2'-0"	8'-0"	WD	FS	HM1	HM	PT	Non-Rated	29.0	
D120B	Interior	A	3'-0"	8'-0"	WD	FS	HM1	HM	PT	Non-Rated	23.0	
D121	Interior	C	3'-0"	8'-0"	WD/GL	FS	HM1	HM	PT	45 minutes	16.0	F-PRX
D121A	Interior	A	2'-0"	8'-0"	WD	FS	HM1	HM	PT	Non-Rated	29.0	
D122	Interior	C	3'-0"	8'-0"	WD/GL	FS	HM1	HM	PT	Non-Rated	19.0	F-PRX
D122A	Interior	A	2'-0"	8'-0"	WD	FS	HM1	HM	PT	Non-Rated	29.0	
D123	Interior	C	3'-0"	8'-0"	WD/GL	FS.	HM1	HM	PT	45 minutes	16.0	F-PRX
D123A	Interior	A	2'-0"	8'-0"	WD	FS	HM1	HM	PT	Non-Rated	29.0	
D124	Interior	C	3'-0"	8'-0"	WD/GL	FS	HM1	HM	PT	Non-Rated	19.0	F-PRX
D124A	Interior	A	2'-0"	8'-0"	WD	FS	HM1	HM	PT	Non-Rated	29.0	
D125	Interior	D-Pair	5'-4"	8'-0"	WD/GL	FS	HM1	HM	PT	45 minutes	12.0	F-PRX
D125A	Interior	A	2'-0"	8'-0"	WD	FS.	HM1	HM	PT	Non-Rated	29.0	
D125B	Interior	A	3'-0"	8'-0"	WD	FS.	HM1	HM	PT	Non-Rated	23.0	
D126	Interior	D	5'-4"	8'-0"	WD/GL	FS	HM1	HM	PT	Non-Rated	14.0	F-PRX
D126A	Interior	A	2'-0"	8'-0"	WD	FS	HM1	HM	PT	Non-Rated	29.0	
D126B	Interior	A	3'-0"	8'-0"	WD	FS.	HM1	HM	PT	Non-Rated	23.0	
D127	Interior	D-Pair	5'-4"	8'-0"	WD/GL	FS	HM1	HM	PT	45 minutes	12.0	F-PRX
D127A	Interior	A	2'-0"	8'-0"	WD	FS	HM1	HM	PT	Non-Rated	29.0	
D127B	Interior	A	3'-0"	8'-0"	WD	FS	HM1	HM	PT	Non-Rated	23.0	
D128	Interior	D	5'-4"	8'-0"	WD/GL	FS	HM1	HM	PT	Non-Rated	14.0	F-PRX
D128A	Interior	A	2'-0"	8'-0"	WD	FS	HM1	HM	PT	Non-Rated	29.0	
D128B	Interior	A	3'-0"	8'-0"	WD	FS	HM1	HM	PT	Non-Rated	23.0	
D129A	Interior	E	3'-0"	8'-0"	AL/GL	AN		AL	AN	Non-Rated	28.0	
D129B	Interior	E	3'-0"	8'-0"	AL/GL	AN		AL	AN	Non-Rated	28.0	
D130	Interior	A	3'-0"	8'-0"	WD	FS.	HM1	HM	PT	Non-Rated	26.0	MP,
D131	Interior	C-Pair	6'-0"	8'-0"	WD	PT.	HM1	HM.	PT.	45 minutes	13.0	AP,
D131A	Exterior	C	3'-6"	8'-0"	HM	PT.	HM1	HM	PT.	Non-Rated	9.0	PRX
D131B	Exterior	F	10'-0"	10'-0"	MTL	PT		HM	PT	Non-Rated	34.0	
D132	Interior	A	3'-4"	8'-0"	WD	FS	HM1	HM	PT	Non-Rated	29.0	
D133	Interior	A	3'-0"	8'-0"	WD	FS	HM1	HM	PT	Non-Rated	30.0	MP,
D134	Interior	C-Pair	6'-0"	8'-0"	HM	PT.	HM1	HM.	PT.	45 minutes	13.0	AP,
D134B	Exterior	C	3'-6"	8'-0"	HM	PT.	HM1	HM	PT.	Non-Rated	8.0	PRX
D135	Interior	C-Pair	6'-0"	8'-0"	HM	PT.	HM1	HM.	PT.	45 minutes	13.0	AP,
D135A	Exterior	C	3'-6"	8'-0"	HM	PT.	HM1	HM	PT.	Non-Rated	8.0	PRX
D135B	Exterior	F	10'-0"	10'-0"	MTL	PT.		--	PT	Non-Rated	34.0	

DOOR NO.	LOCATION	DOOR ELEVATION	DOOR SIZE W	DOOR SIZE HT	DOOR MATERIAL	DOOR FINISH	FRAME ELEVATION	FRAME MATERIAL	FRAME FINISH	FIRE RATING	HARDWARE	NOTES
D200B	Interior	B-Pair	6'-0"	8'-0"	WD/GL	FS	HM2	HM	PT.	45 minutes	11.0	PRX, DBL EGRESS
D200D	Interior	B-Pair	6'-0"	8'-0"	WD/GL	FS	HM2	HM	PT.	45 minutes	11.0	PRX, DBL EGRESS
D200E	Interior	C-Pair	6'-0"	8'-0"	HM	PT	HM1	HM	PT	Non-Rated	17.0	
D200F	Exterior	A	3'-0"	8'-0"	WD	FS	HM1	HM	PT	Non-Rated	22.0	SILL 8" ABOVE ROOF
D201	Interior	E	3'-0"	8'-0"	AL/GL	AN		AL	AN	Non-Rated	28.0	RS
D202A	Interior	A	2'-8"	8'-0"	WD	FS	HM1	HM	PT	Non-Rated	29.0	
D203A	Interior	C	3'-4"	8'-0"	WD	FS	HM1	HM	PT	Non-Rated	23.0	
D204	Interior	E	3'-0"	8'-0"	AL/GL	AN		AL	AN	Non-Rated	28.0	RS
D205	Interior	A	3'-0"	8'-0"	WD	FS	HM1	HM	PT	Non-Rated	30.0	
D206	Interior	E	3'-0"	8'-0"	AL/GL	AN		AL	AN	Non-Rated	28.0	RS
D207	Interior	C	3'-0"	8'-0"	WD/GL	FS	HM1	HM	PT	Non-Rated	19.0	F-PRX
D207A	Interior	A	2'-0"	8'-0"	WD	FS	HM1	HM	PT	Non-Rated	29.0	
D208	Interior	D	5'-4"	8'-0"	WD/GL	FS	HM1	HM	PT	Non-Rated	14.0	F-PRX
D208A	Interior	A	2'-0"	8'-0"	WD	FS	HM1	HM	PT	Non-Rated	29.0	
D209	Interior	C	3'-0"	8'-0"	WD/GL	FS	HM1	HM	PT	Non-Rated	19.0	F-PRX
D209A	Interior	A	2'-0"	8'-0"	WD	FS	HM1	HM	PT	Non-Rated	29.0	
D209B	Interior	A	3'-0"	8'-0"	WD	FS	HM1	HM	PT	Non-Rated	23.0	
D210	Interior	C	3'-0"	8'-0"	WD/GL	FS		HM	PT	Non-Rated	19.0	F-PRX
D210A	Interior	A	2'-0"	8'-0"	WD	FS	HM1	HM	PT	Non-Rated	29.0	
D211	Interior	E	3'-0"	8'-0"	WD	AN	HM1	AL	AN	Non-Rated	28.0	
D212	Interior	A	3'-0"	8'-0"	WD	FS	HM1	HM	PT	Non-Rated	26.0	MP,
D212A	Interior	A	2'-0"	8'-0"	WD	FS	HM1	HM	PT	Non-Rated	22.0	
D213A	Interior	A	3'-0"	8'-0"	WD	FS	HM1	HM	PT	Non-Rated	29.0	
D213B	Interior	E	3'-0"	8'-0"	AL/GL	AN		AL	AN	Non-Rated	27.0	
D213C	Interior	E	3'-0"	8'-0"	AL/GL	AN		AL	AN	Non-Rated	27.0	
D213D	Interior	E	3'-0"	8'-0"	AL/GL	AN		AL	AN	Non-Rated	27.0	
D213E	Interior	E	3'-0"	8'-0"	AL/GL	AN		AL	AN	Non-Rated	27.0	
D214	Interior	D	5'-4"	8'-0"	WD/GL	FS	HM1	HM	PT	Non-Rated	14.0	F-PRX
D214A	Interior	A	2'-0"	8'-0"	WD	FS	HM1	HM	PT	Non-Rated	29.0	
D214B	Interior	A	3'-0"	8'-0"	WD	FS	HM1	HM	PT	Non-Rated	23.0	
D215	Interior	D	5'-4"	8'-0"	WD/GL	FS	HM1	HM	PT	Non-Rated	14.0	F-PRX
D215A	Interior	A	2'-0"	8'-0"	WD	FS	HM1	HM	PT	Non-Rated	29.0	
D215B	Interior	A	3'-0"	8'-0"	WD	FS	HM1	HM	PT	Non-Rated	23.0	
D216A	Interior	A	3'-0"	8'-0"	WD	FS	HM1	HM	PT	Non-Rated	29.0	
D216B	Interior	E	3'-0"	8'-0"	AL/GL	AN		AL	AN	Non-Rated	27.0	
D216C	Interior	E	3'-0"	8'-0"	AL/GL	AN		AL	AN	Non-Rated	27.0	
D216D	Interior	E	3'-0"	8'-0"	AL/GL	AN		AL	AN	Non-Rated	27.0	
D216E	Interior	E	3'-0"	8'-0"	AL/GL	AN		AL	AN	Non-Rated	27.0	
D217	Interior	C	3'-0"	8'-0"	WD	FS	HM1	HM	PT	Non-Rated	19.0	F-PRX
D217A	Interior	A	2'-0"	8'-0"	WD	FS	HM1	HM	PT	Non-Rated	29.0	
D218	Interior	A	3'-0"	8'-0"	WD	FS	HM1	HM	PT	Non-Rated	29.0	
D219A	Interior	A	3'-0"	8'-0"	WD	FS	HM1	HM	PT	Non-Rated	29.0	
D219B	Interior	E	3'-0"	8'-0"	AL/GL	AN		AL	AN	Non-Rated	27.0	
D219C	Interior	E	3'-0"	8'-0"	AL/GL	AN		AL	AN	Non-Rated	27.0	
D219D	Interior	E	3'-0"	8'-0"	AL/GL	AN		AL	AN	Non-Rated	27.0	
D219E	Interior	E	3'-0"	8'-0"	AL/GL	AN		AL	AN	Non-Rated	27.0	
D220	Interior	A	3'-0"	8'-0"	WD	FS	HM1	HM	PT	Non-Rated	20.0	
D221	Interior	C	3'-0"	8'-0"	WD/GL	FS	HM1	HM	PT	Non-Rated	19.0	F-PRX
D221A	Interior	A	2'-0"	8'-0"	WD	FS	HM1	HM	PT	Non-Rated	29.0	
D222	Interior	C	3'-0"	8'-0"	WD/GL	FS	HM1	HM	PT	Non-Rated	19.0	F-PRX
D222A	Interior	A	2'-0"	8'-0"	WD	FS	HM1	HM	PT	Non-Rated	29.0	
D223	Interior	C	3'-0"	8'-0"	WD/GL	FS	HM1	HM	PT	Non-Rated	19.0	F-PRX
D223A	Interior	A	2'-0"	8'-0"	WD	FS	HM1	HM	PT	Non-Rated	29.0	
D224	Interior	C	3'-0"	8'-0"	WD/GL	FS	HM1	HM	PT	Non-Rated	19.0	F-PRX
D224A	Interior	A	2'-0"	8'-0"	WD	FS	HM1	HM	PT	Non-Rated	29.0	
D225	Interior	D-Pair	5'-4"	8'-0"	WD/GL	FS	HM1	HM	PT	45 minutes	12.0	F-PRX
D225A	Interior	A	2'-0"	8'-0"	WD	FS	HM1	HM	PT	Non-Rated	29.0	
D225B	Interior	A	3'-0"	8'-0"	WD	FS	HM1	HM	PT	Non-Rated	23.0	
D226	Interior	C	3'-0"	8'-0"	WD/GL	FS	HM1	HM	PT	45 minutes	16.0	F-PRX
D226A	Interior	A	2'-0"	8'-0"	WD	FS	HM1	HM	PT	Non-Rated	29.0	
D227	Interior	C	3'-0"	8'-0"	WD/GL	FS	HM1	HM	PT	Non-Rated	19.0	F-PRX
D227A	Interior	A	2'-0"	8'-0"	WD	FS	HM1	HM	PT	Non-Rated	29.0	
D228	Interior	C	3'-0"	8'-0"	WD/GL	FS	HM1	HM	PT	45 minutes	16.0	F-PRX
D228A	Interior	A	2'-0"	8'-0"	WD	FS	HM1	HM	PT	Non-Rated	29.0	
D229	Interior	C	3'-0"	8'-0"	WD/GL	FS	HM1	HM	PT	Non-Rated	19.0	F-PRX
D229A	Interior	A	2'-0"	8'-0"	WD	FS	HM1	HM	PT	Non-Rated	29.0	
D230	Interior	D-Pair	5'-4"	8'-0"	WD/GL	FS	HM1	HM	PT	45 minutes	12.0	F-PRX
D230A	Interior	A	2'-0"	8'-0"	WD	FS	HM1	HM	PT	Non-Rated	29.0	
D230B	Interior	A	3'-0"	8'-0"	WD	FS	HM1	HM	PT	Non-Rated	23.0	
D231	Interior	D	5'-4"	8'-0"	WD/GL	FS	HM1	HM	PT	Non-Rated	14.0	F-PRX
D231A	Interior	A	2'-0"	8'-0"	WD	FS	HM1	HM	PT	Non-Rated	29.0	
D231B	Interior	A	3'-0"	8'-0"	WD	FS	HM1	HM	PT	Non-Rated	23.0	
D232	Interior	D-Pair	5'-4"	8'-0"	WD/GL	FS	HM1	HM	PT	45 minutes	12.0	F-PRX
D232A	Interior	A	2'-0"	8'-0"	WD	FS	HM1	HM	PT	Non-Rated	29.0	
D232B	Interior	A	3'-0"	8'-0"	WD	FS	HM1	HM	PT	Non-Rated	23.0	
D233	Interior	D	5'-4"	8'-0"	WD/GL	FS	HM1	HM	PT	Non-Rated	14.0	F-PRX
D233A	Interior	A	2'-0"	8'-0"	WD	FS	HM1	HM	PT	Non-Rated	29.0	
D233B	Interior	A	3'-0"	8'-0"	WD	FS	HM1	HM	PT	Non-Rated	23.0	
D234	Interior	C	3'-0"	8'-0"	WD/GL	FS	HM1	HM	PT	45 minutes	16.0	F-PRX
D234A	Interior	A	2'-0"	8'-0"	WD	FS	HM1	HM	PT	Non-Rated	29.0	
D235	Interior	A	3'-0"	8'-0"	WD	FS	HM1	HM	PT	Non-Rated	26.0	MP,
D236A	Interior	E	3'-0"	8'-0"	AL/GL	AN		AL	AN	Non-Rated	25.0	
D237	Interior	C	3'-0"	8'-0"	WD/GL	FS	HM1	HM	PT	Non-Rated	19.0	F-PRX
D237A	Interior	A	2'-0"	8'-0"	WD	FS	HM1	HM	PT	Non-Rated	29.0	
D238	Interior	C	3'-0"	8'-0"	WD/GL	FS	HM1	HM	PT	Non-Rated	19.0	F-PRX
D238A	Interior	A	2'-0"	8'-0"	WD	FS	HM1	HM	PT	Non-Rated	29.0	
D238B	Interior	A	3'-0"	8'-0"	WD/GL	FS	HM1	HM	PT	Non-Rated	23.0	
DS1001-1	Interior	E	3'-0"	8'-0"	AL/GL	AN		AL	AN	45 minutes	15.0	
DS1001-2	Exterior	E	3'-0"	8'-0"	AL/GL	AN		AL	PT	Non-Rated	1.2	
DS1002-1	Interior	C	3'-0"	8'-0"	HM	PT.	HM1	HM	PT	45 minutes	15.0	
DS1002-2	Exterior	A	3'-0"	8'-0"	HM	PT	HM1	HM	PT	Non-Rated	6.0	
DS2001-1	Interior	E	3'-0"	8'-0"	AL / GL	AN		AL	AN	45 minutes	15.0	
DS2002-1	Interior	C	3'-0"	8'-0"	HM / GL	PT	HM1	HM	PT	45 minutes	15.0	
DS3002-1	Exterior	A	3'-0"	6'-8"	HM	PT.	HM1	HM.	PT.	Non-Rated	10.0	SILL 8" ABOVE ROOF

Door and Frame Schedule Abbreviations:

AL	ALUMINUM
AN	ANODIZED (SEE SPECS FOR COLOR)
AP	ARMOR PLATE 34"X34"
HM	HOLLOW METAL
F-PRX	FUTURE PROXIMITY ACCESS
FS	FACTORY STAIN
GL	GLASS
PRX	PROXITY ACCESS
MP	MOP PLATE 6"X34"
MTL	METAL
PT	PAINT
RS	ROOM SCHEDULE TABLET (INFRASTRUCTURE FOR FUTURE)
WD	WOOD (SEE SPECS FOR SPECIES AND TYPE)

PHASE:	DRAWN:	REVIEWED:	DATE:
DESIGN/DEVELOPMENT	RS, KS, AK, EE	C. WHITLOCK	01/10/22
50% CONSTRUCTION DOCUMENTS	RS, KS, AK, EE	C. WHITLOCK	10/07/21
100% CONSTRUCTION DOCUMENTS	RS, KS, BG, AK, EE	C. WHITLOCK	12/09/21

ID:	REVISION:	DRAWN:	REVIEWED:	DATE:
1	ADDENDUM 1	RS, KS, EE, AK, BG	C. WHITLOCK	01/10/22

Client: Leon County R&D Authority
Tallahassee, Florida

Job Title: North Florida Innovation Lab

Consultant:

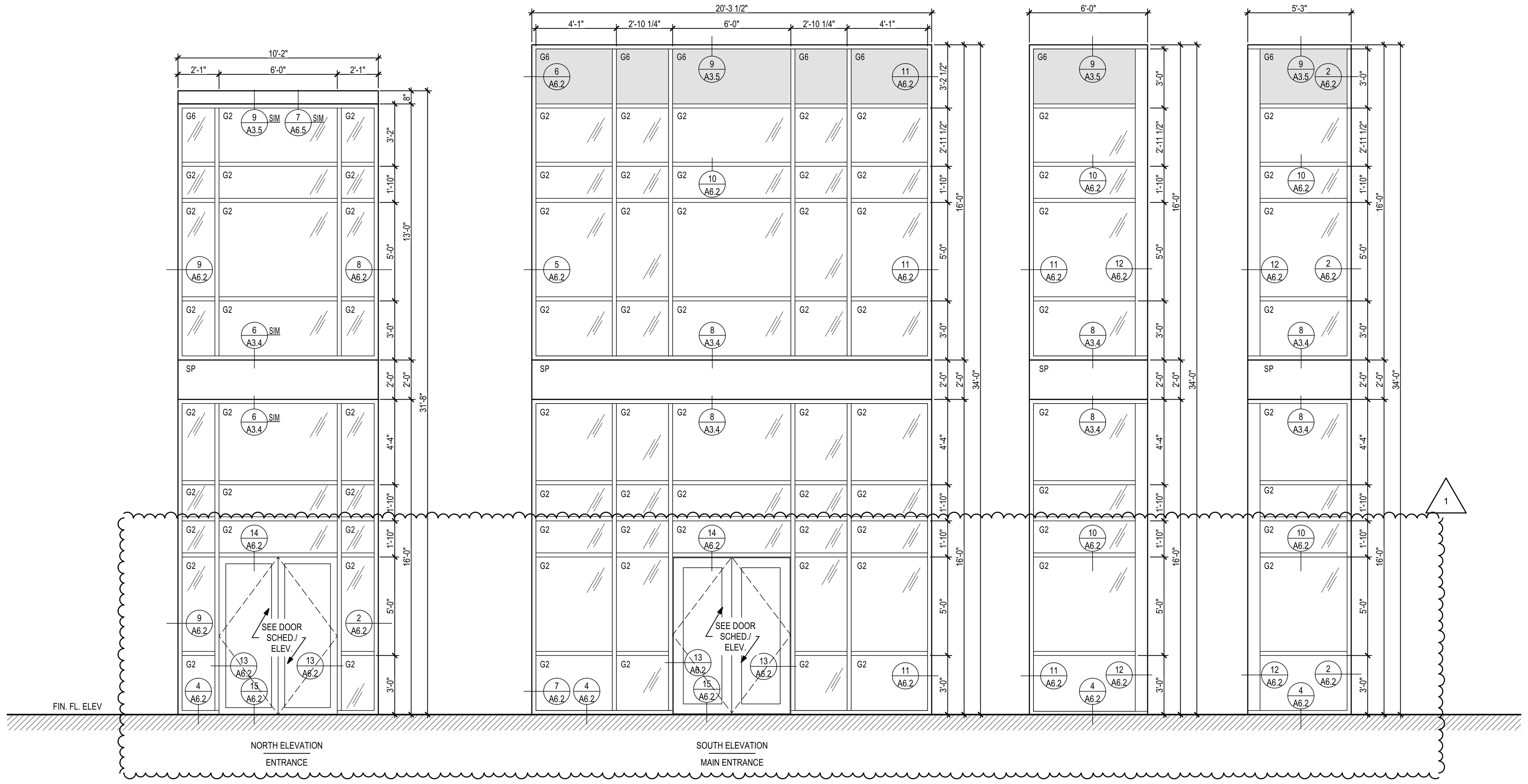
Seal:

Project #: 21414
Phase: 100% Construction Documents

Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net

Description:
Door Schedule and Elevations

Sheet No.:
A6.1

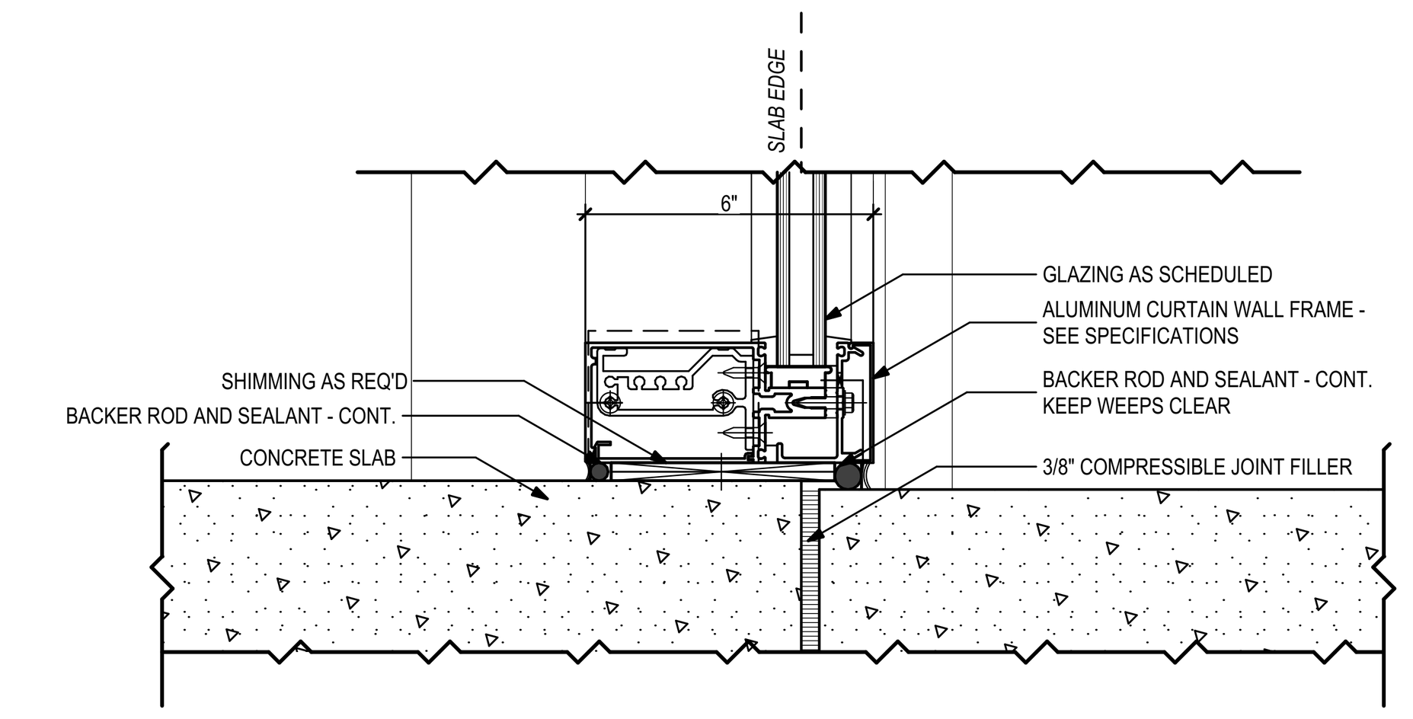


1 Curtain Wall Elevations
1/4" = 1'-0"

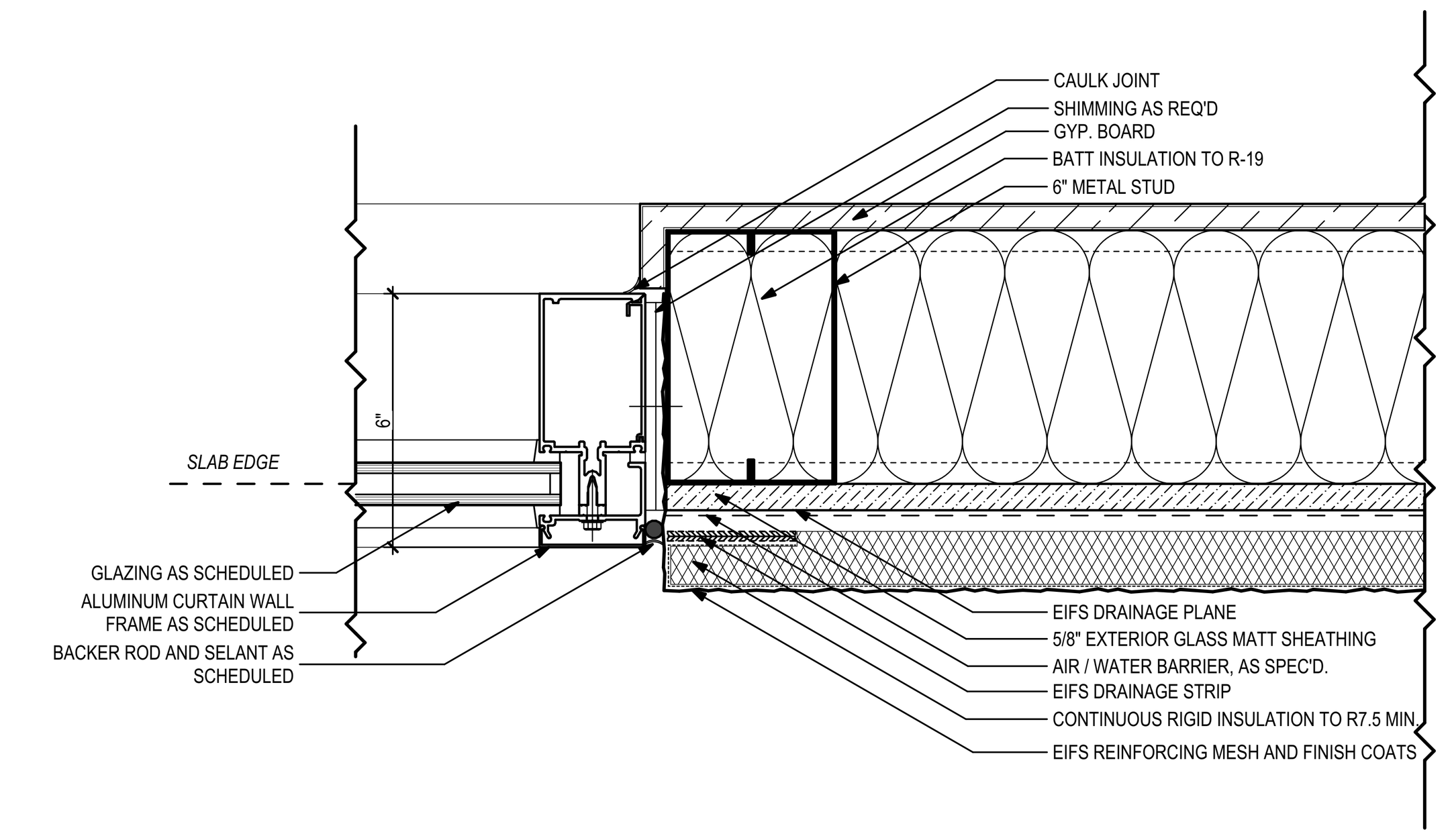
GLAZING SCHEDULE

G1	1" INSULATED
G2	1" INSUL / TEMPERED
G3	1/4" FLOAT GLASS
G4	1/4" TEMPERED
G5	1/4" TEMPERED - FROSTED BANDING WHERE SPECIFIED
G6	1" INSULATED TEMPERED SPANDREL GLASS - COLOR TBD
FG	1/4" FIRE RATED GLASS - 45 MINUTE
FG2	1" INSULATED FIRE RATED GLASS

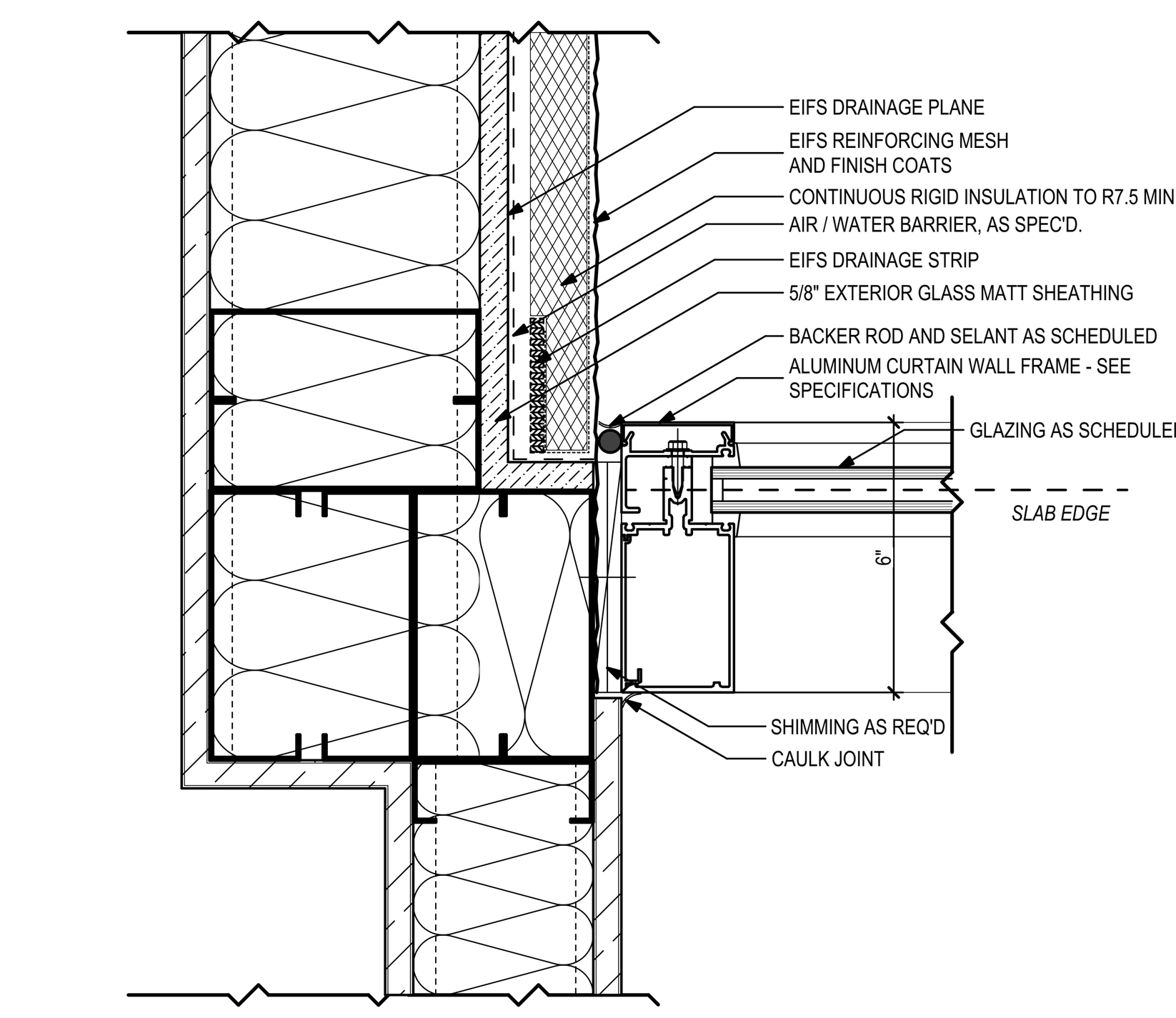
NOTE:
FOR FIRE RATED DOORS WITH GLASS, SEE DOOR SCHEDULE



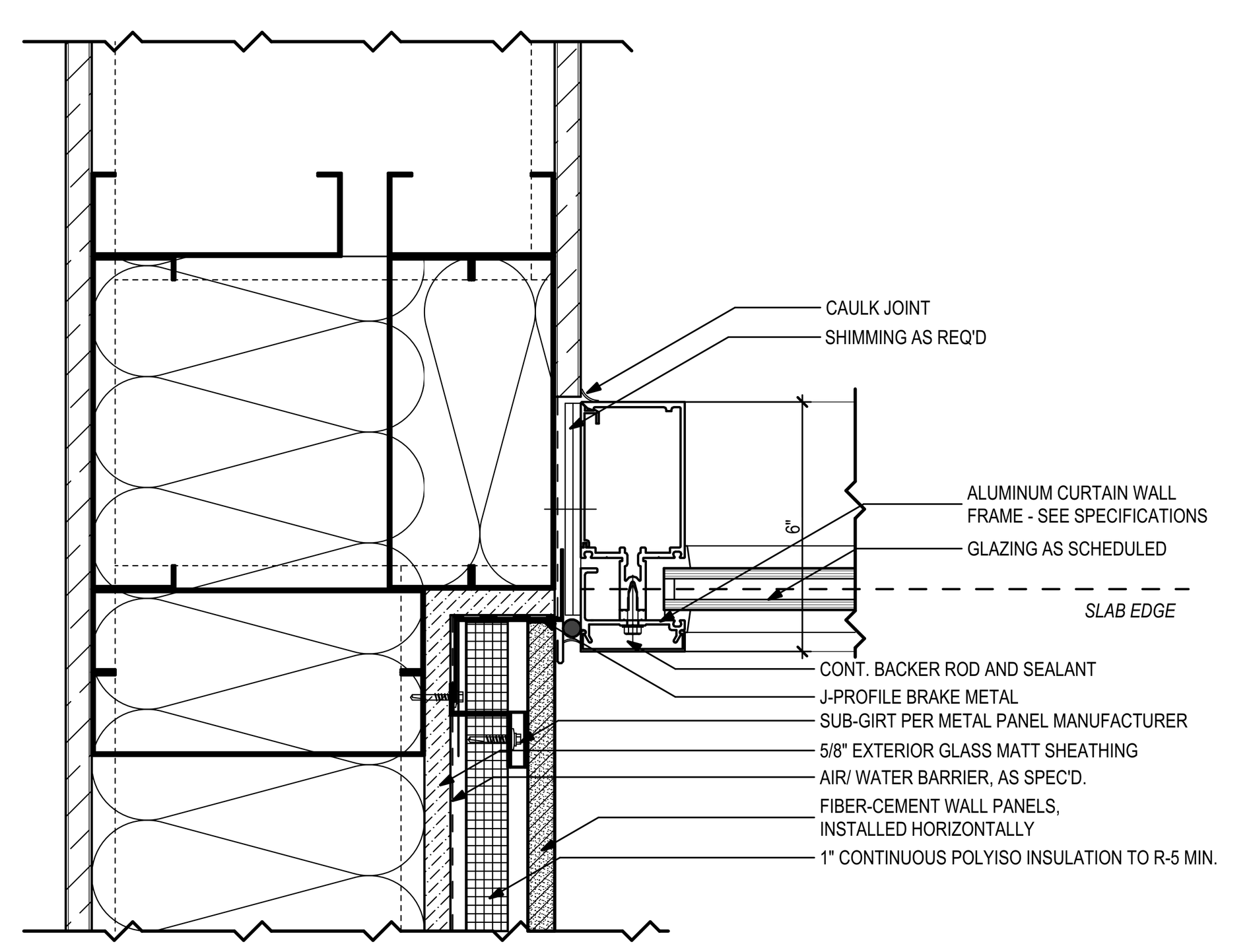
4 Curtain Wall Panel Sill at Threshold
3" = 1'-0"



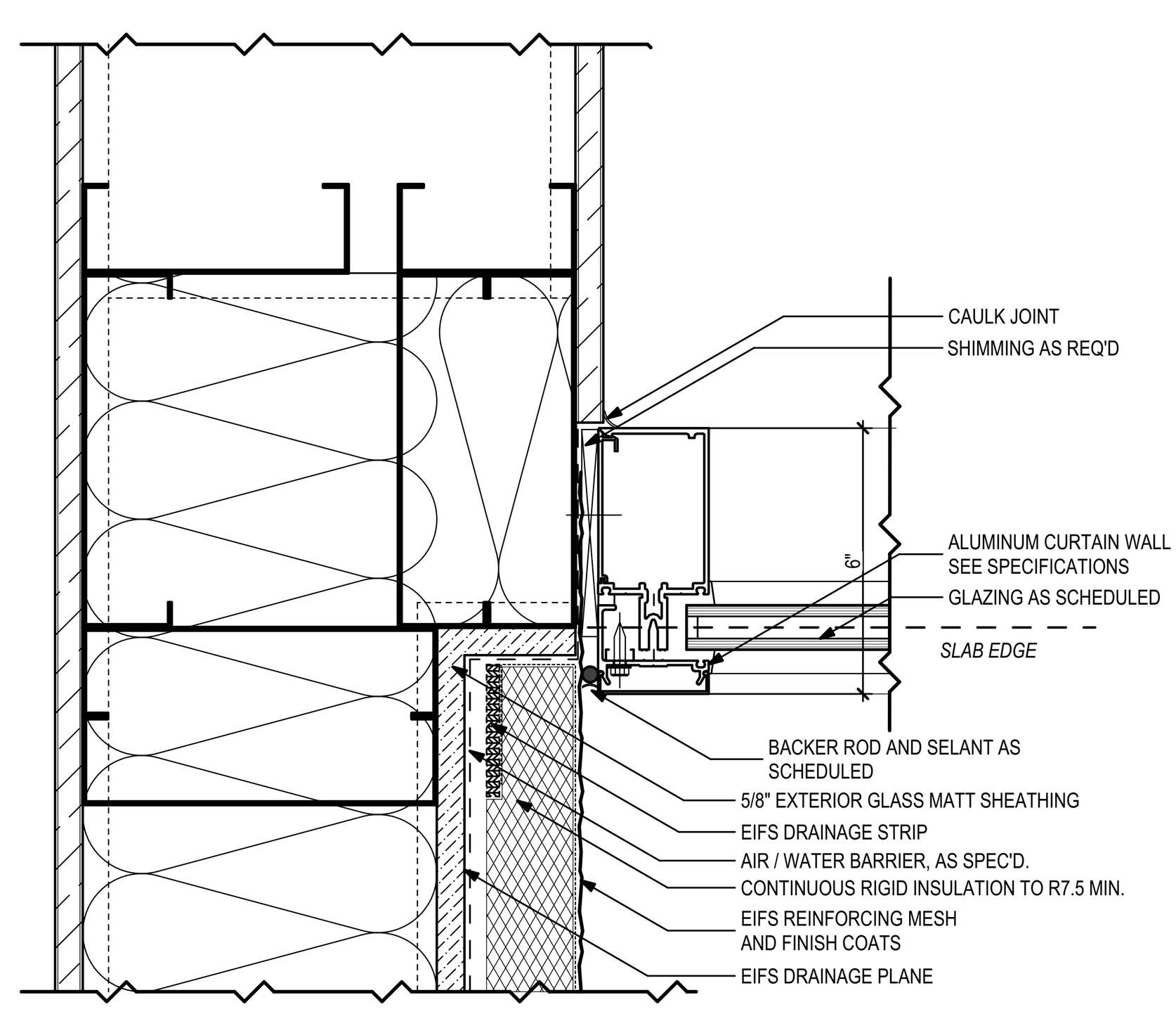
2 Curtain Wall Panel Jamb at EIFS
3" = 1'-0"



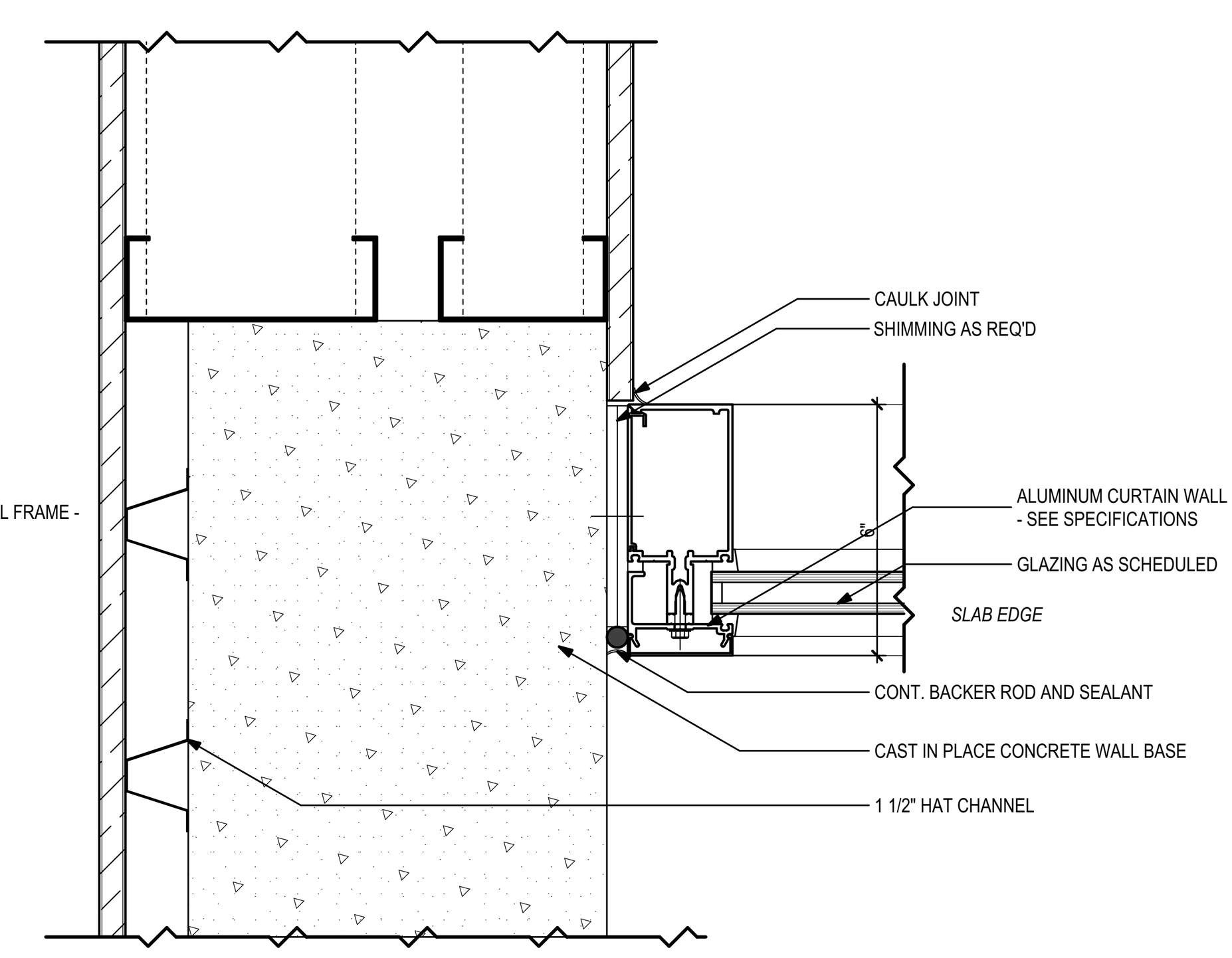
3 Curtain Wall Panel Jamb at EIFS
3" = 1'-0"



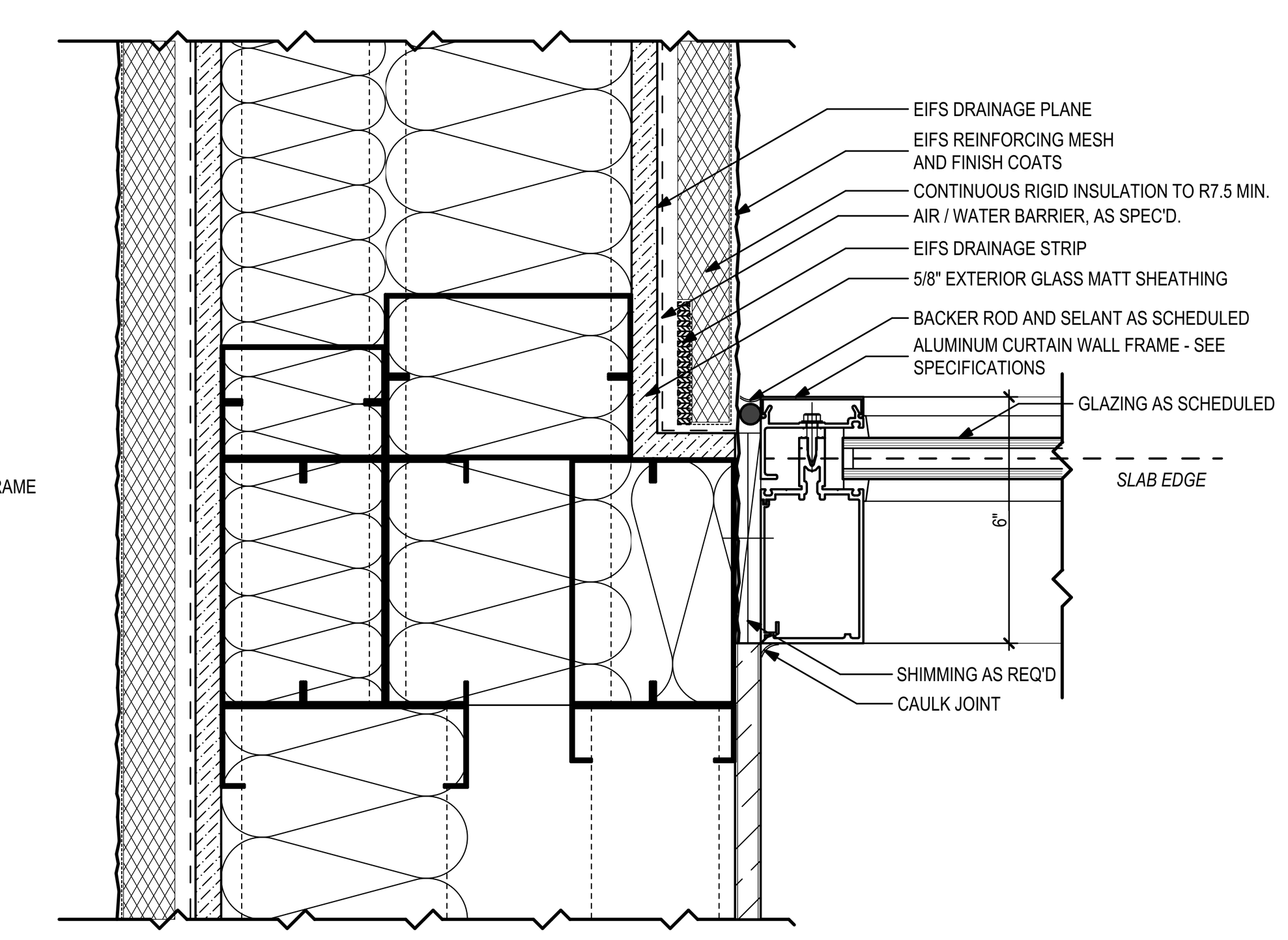
5 Curtain Wall Panel Jamb at Fiber Cement Panel
3" = 1'-0"



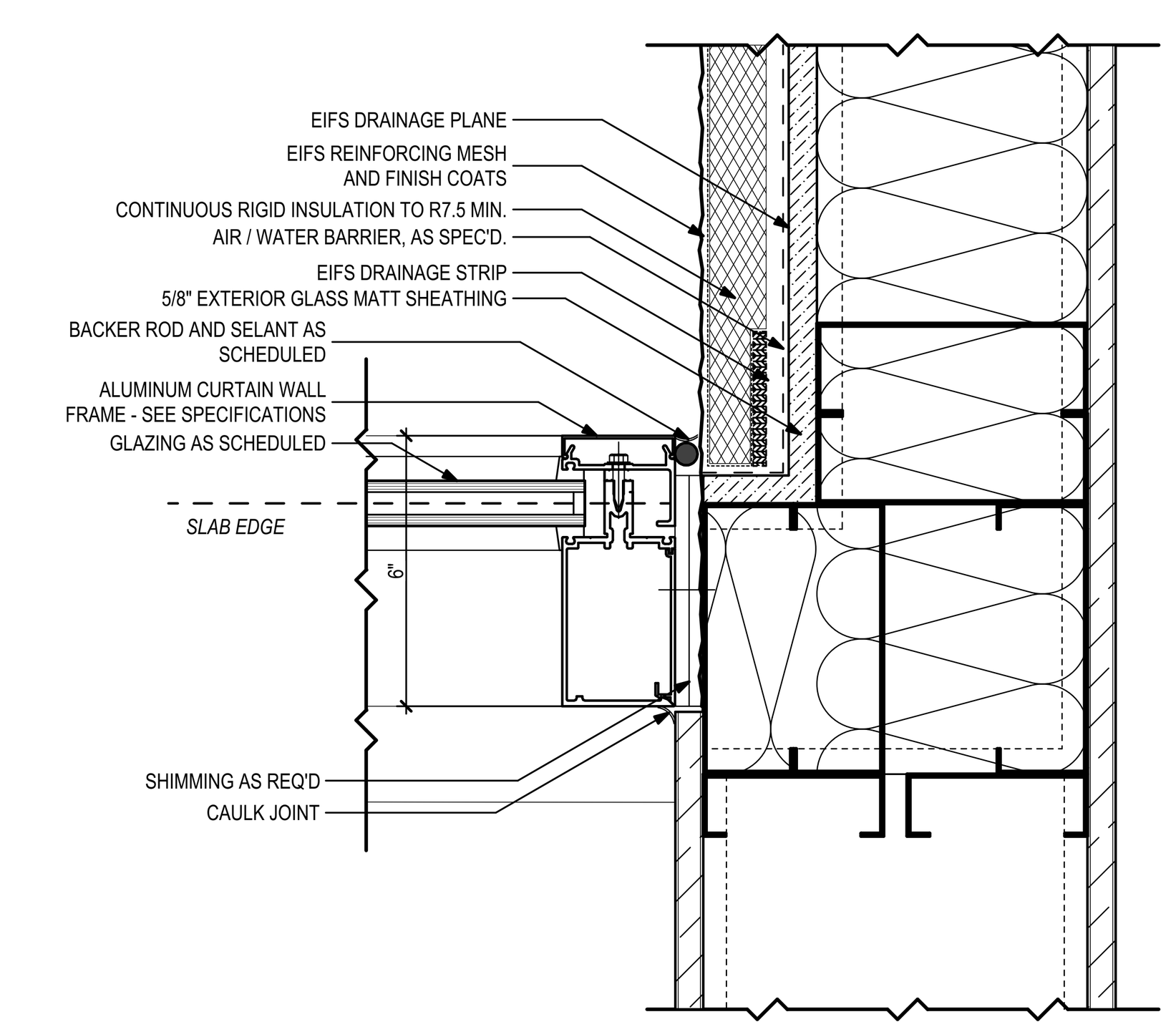
6 Curtain Wall Panel Jamb at EIFS
3" = 1'-0"



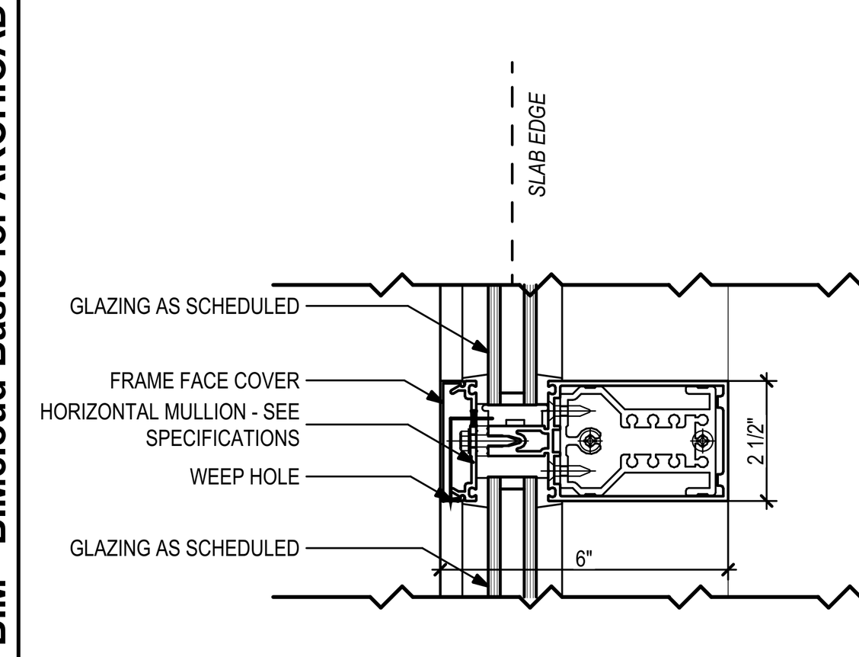
7 Curtain Wall Panel Jamb at Concrete Wall Base
3" = 1'-0"



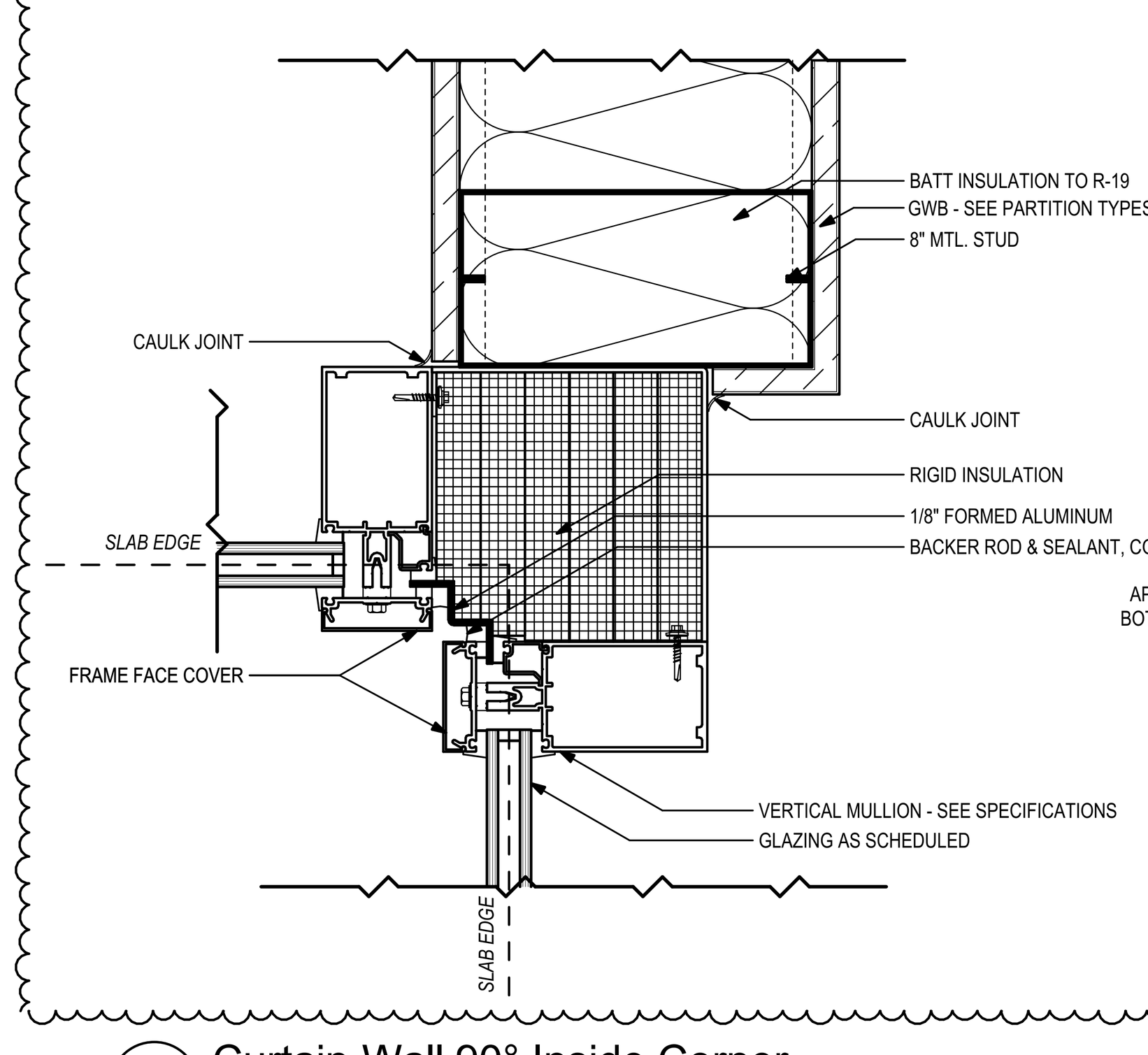
8 Curtain Wall Panel Jamb at EIFS
3" = 1'-0"



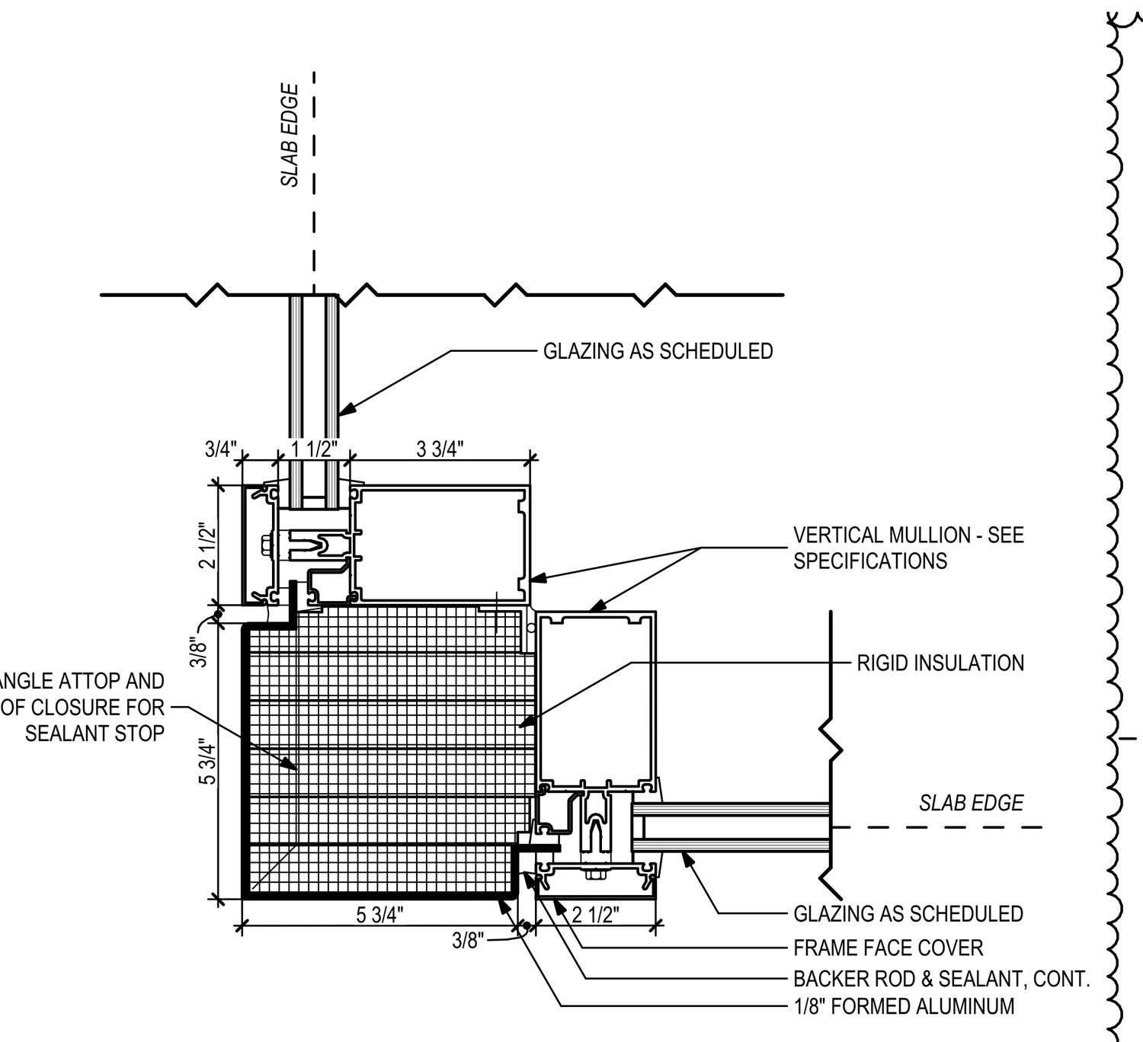
9 Curtain Wall Jamb at EIFS
3" = 1'-0"



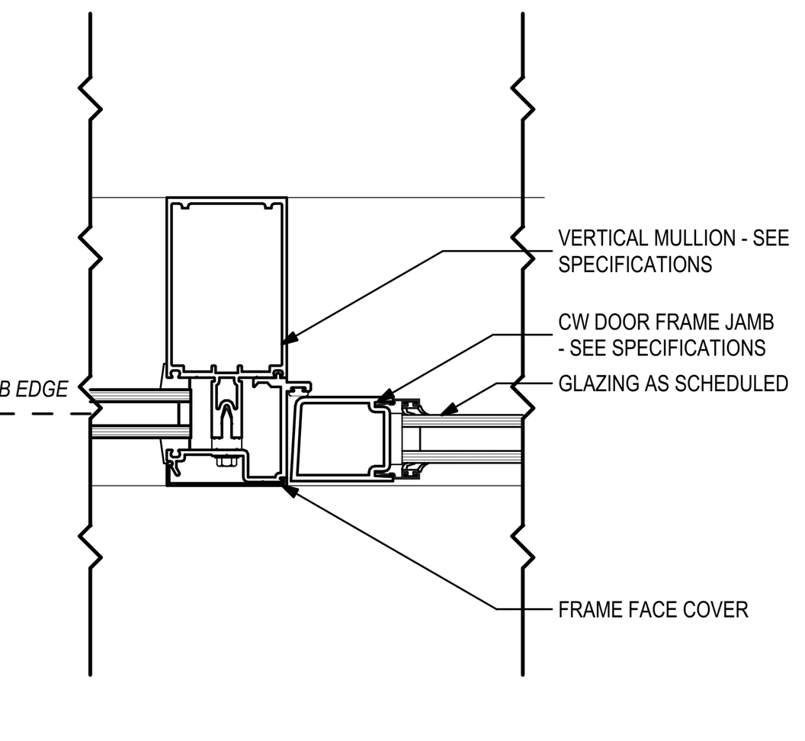
10 Curtain Wall Horizontal Mullion
3" = 1'-0"



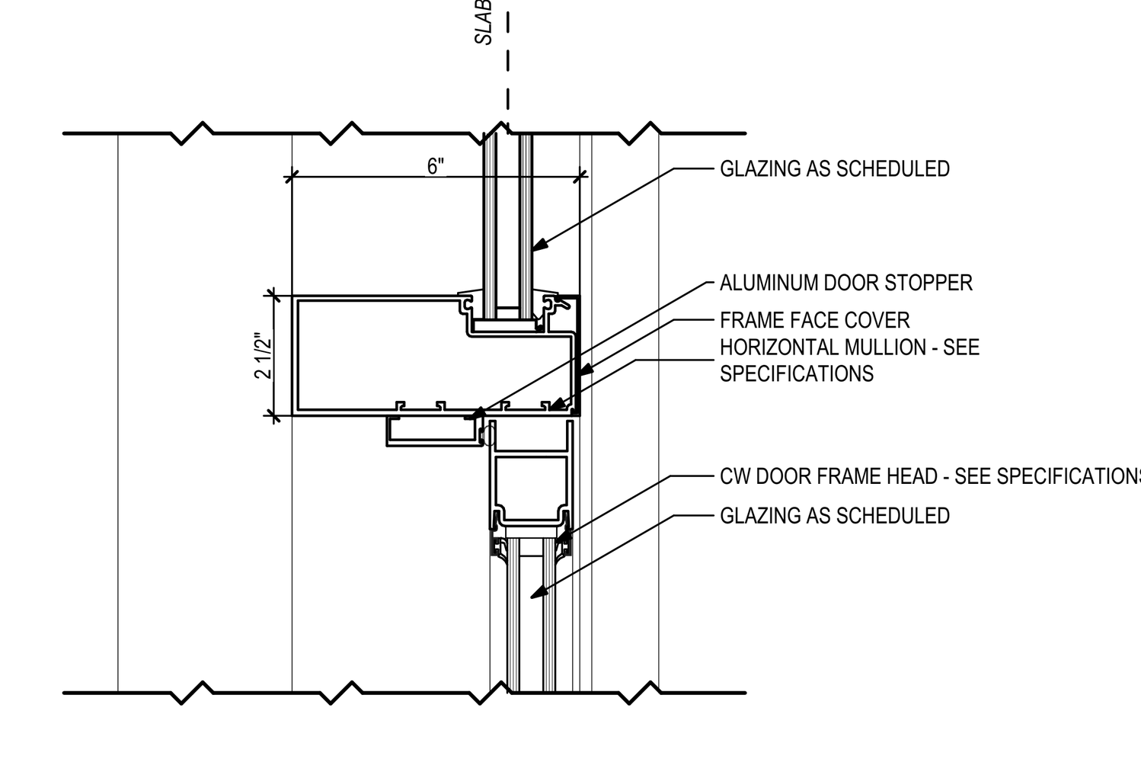
11 Curtain Wall 90° Inside Corner
3" = 1'-0"



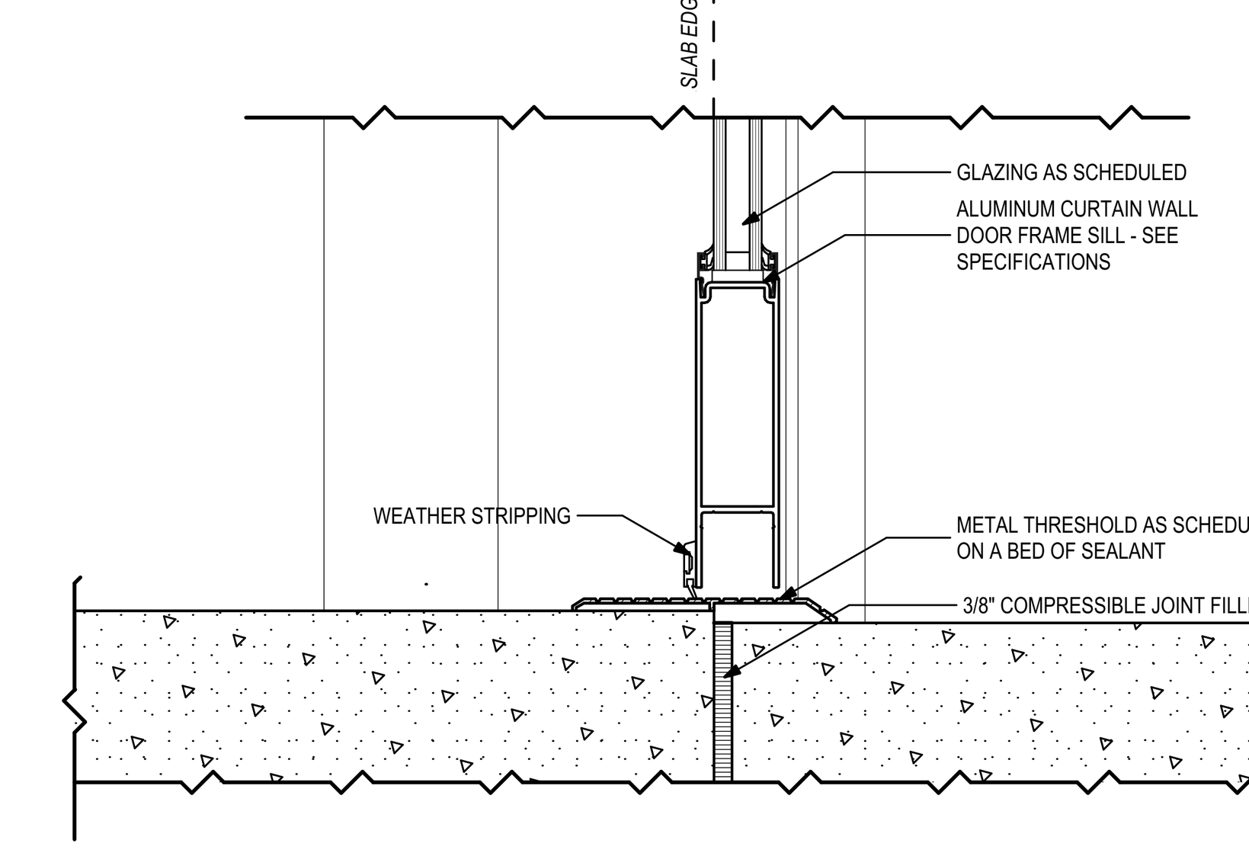
12 Curtain Wall 90° Outside Corner
3" = 1'-0"



13 Curtain Wall Door Jamb
3" = 1'-0"



14 Curtain Wall Door Head
3" = 1'-0"



15 Curtain Wall Door Sill at Threshold
3" = 1'-0"

PHASE:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT	RS, KS, AK, EE	C. WHITLOCK	07/28/21
50% CONSTRUCTION DOCUMENTS	RS, KS, AK, EE	C. WHITLOCK	10/07/21
100% CONSTRUCTION DOCUMENTS	RS, KS, BG, AK, EE	C. WHITLOCK	12/09/21

ID:	REVISION:	DRAWN:	REVIEWED:	DATE:
1	ADDENDUM 1	RS, KS, EE, AK, BG	C. WHITLOCK	01/10/22

Client:
Leon County R&D Authority
Tallahassee, Florida

Job Title:
North Florida Innovation Labs

Consultant:

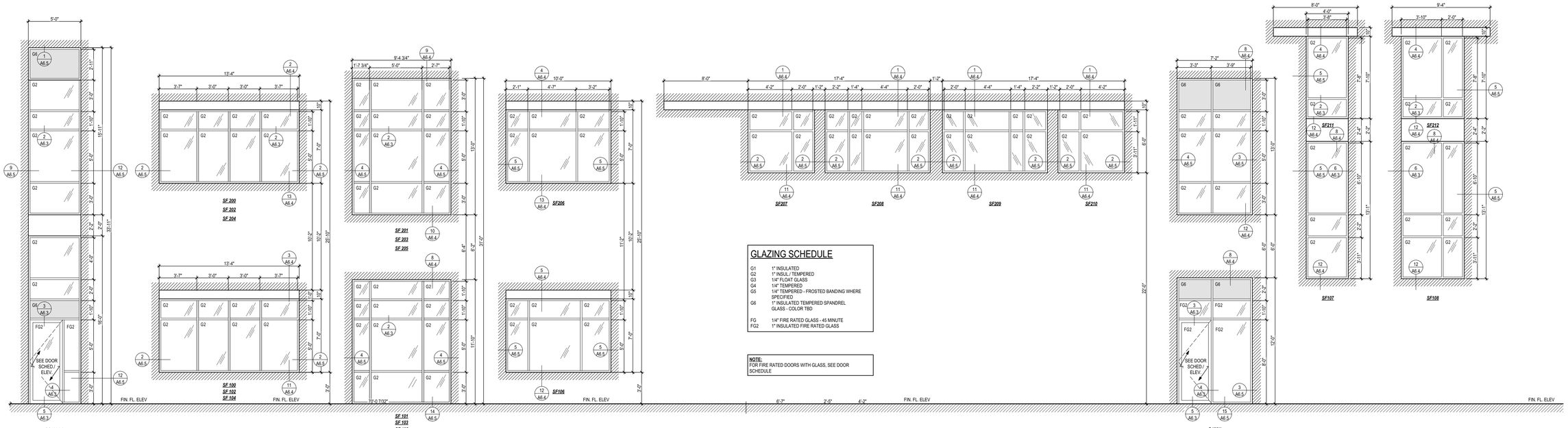
Seal:

Project #: 21414
Phase: 100% Construction Documents

ALW
Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net

Description:
Curtain Wall Elevations and Details

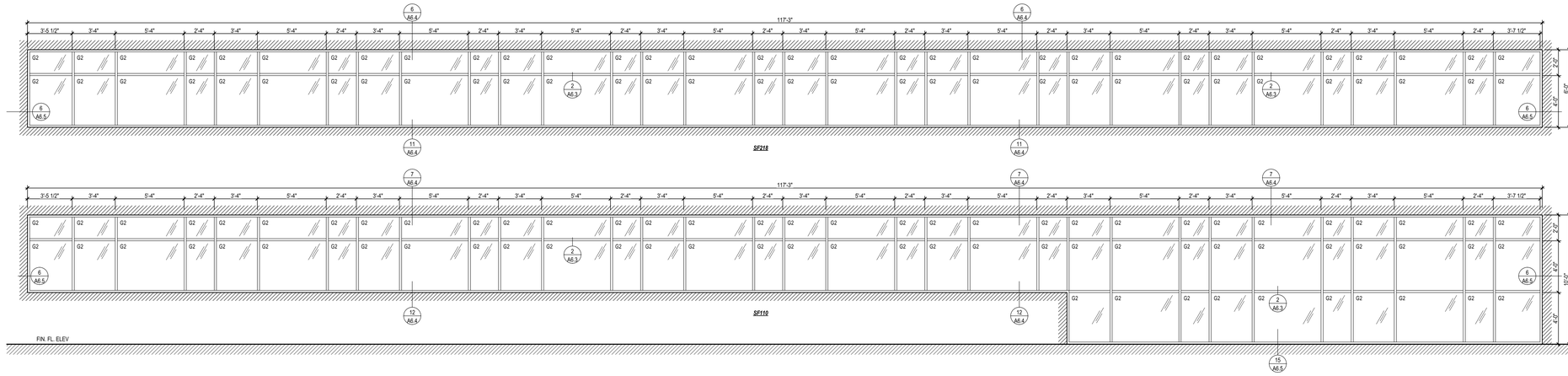
Sheet No.:
A6.2



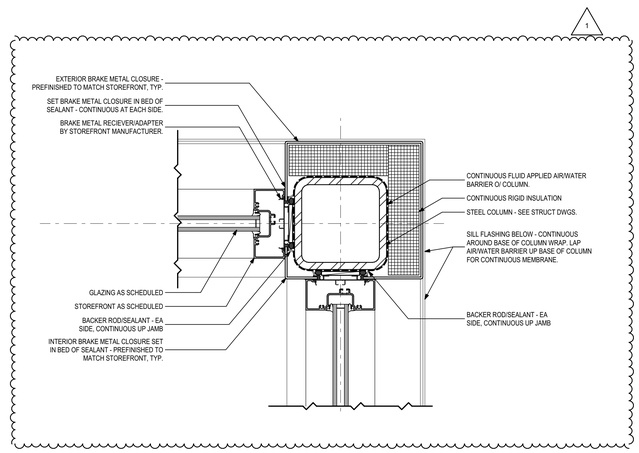
GLAZING SCHEDULE

G1	1" INSULATED
G2	1" INSUL / TEMPERED
G3	1/4" FLOAT GLASS
G4	1/4" TEMPERED
G5	1/4" TEMPERED - FROSTED BANDING WHERE SPECIFIED
G6	1" INSULATED TEMPERED SPANDREL GLASS - COLOR TBD
FG	1/4" FIRE RATED GLASS - 45 MINUTE
FG2	1" INSULATED FIRE RATED GLASS

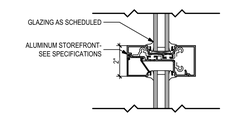
NOTE:
FOR FIRE RATED DOORS WITH GLASS, SEE DOOR SCHEDULE



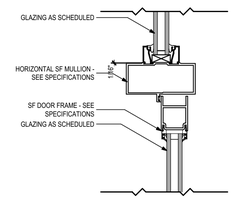
1 Exterior Storefront Elevations
1/4" = 1'-0"



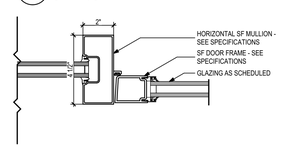
6 Storefront Outside Corner Detail - Stair 2
3" = 1'-0"



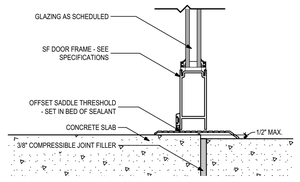
2 Storefront Horizontal Mullion
3" = 1'-0"



3 Storefront Door Head
3" = 1'-0"



4 Storefront Door Jamb
3" = 1'-0"



5 Storefront Door Sill
3" = 1'-0"

PHASE:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT	RS, KS, AK, EE	C. WHITLOCK	12/20/21
50% CONSTRUCTION DOCUMENTS	RS, KS, AK, EE	C. WHITLOCK	1/20/21
100% CONSTRUCTION DOCUMENTS	RS, KS, BO, AK, EE	C. WHITLOCK	1/29/21

ID:	REVISION:	DATE:
1	ADDENDUM 1	01/10/22

DRAWN:	REVIEWED:	DATE:
RS, KS, EE, AK, BG	C. WHITLOCK	01/10/22

Client: Leon County R&D Authority
Tallahassee, Florida

Job Title: North Florida Innovation Labs

Consultant:

Seal:

Project #: 21414
Phase: 100% Construction Documents

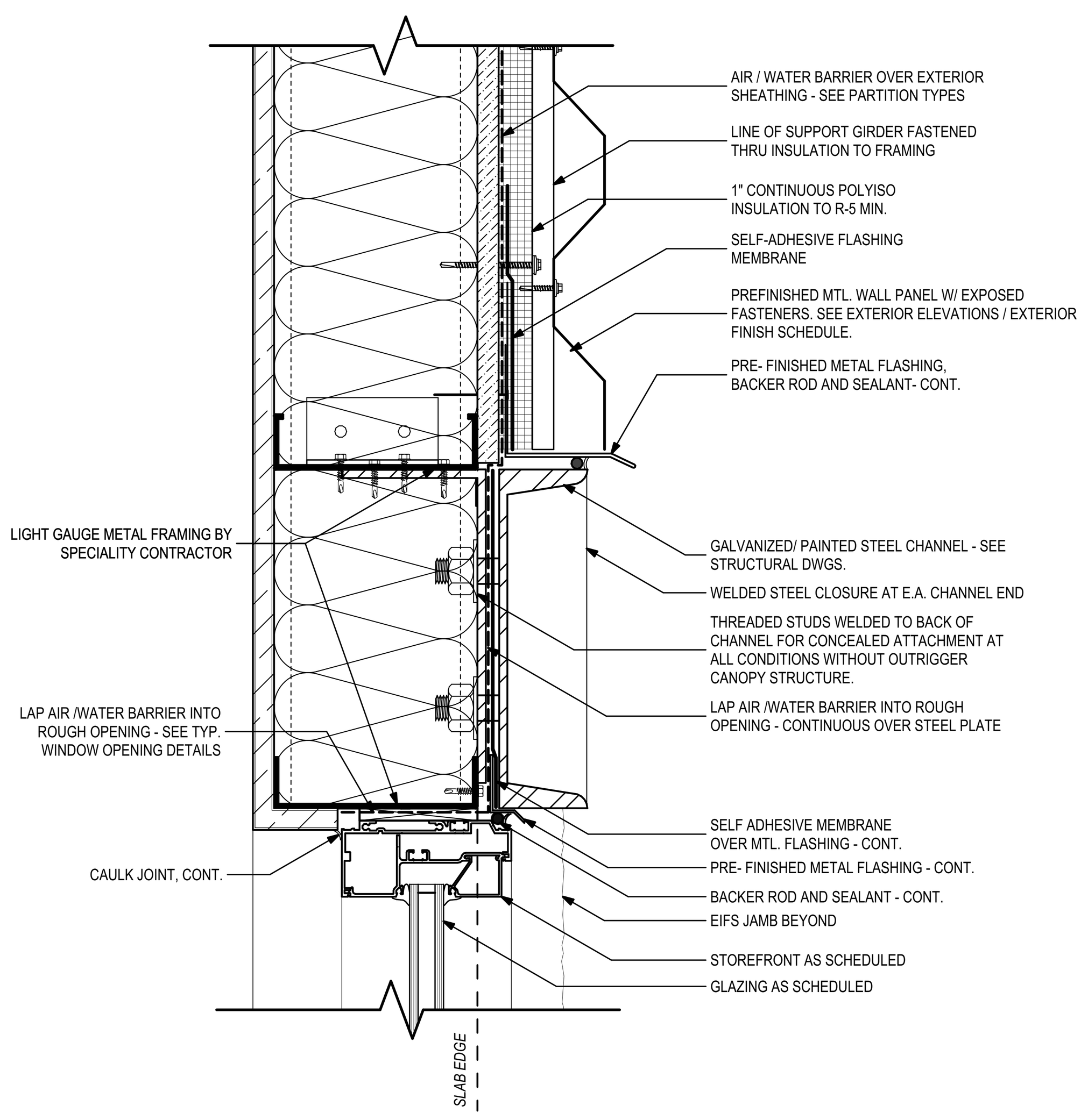
ALW
Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net

Description:
Exterior Storefront Elevations and Details

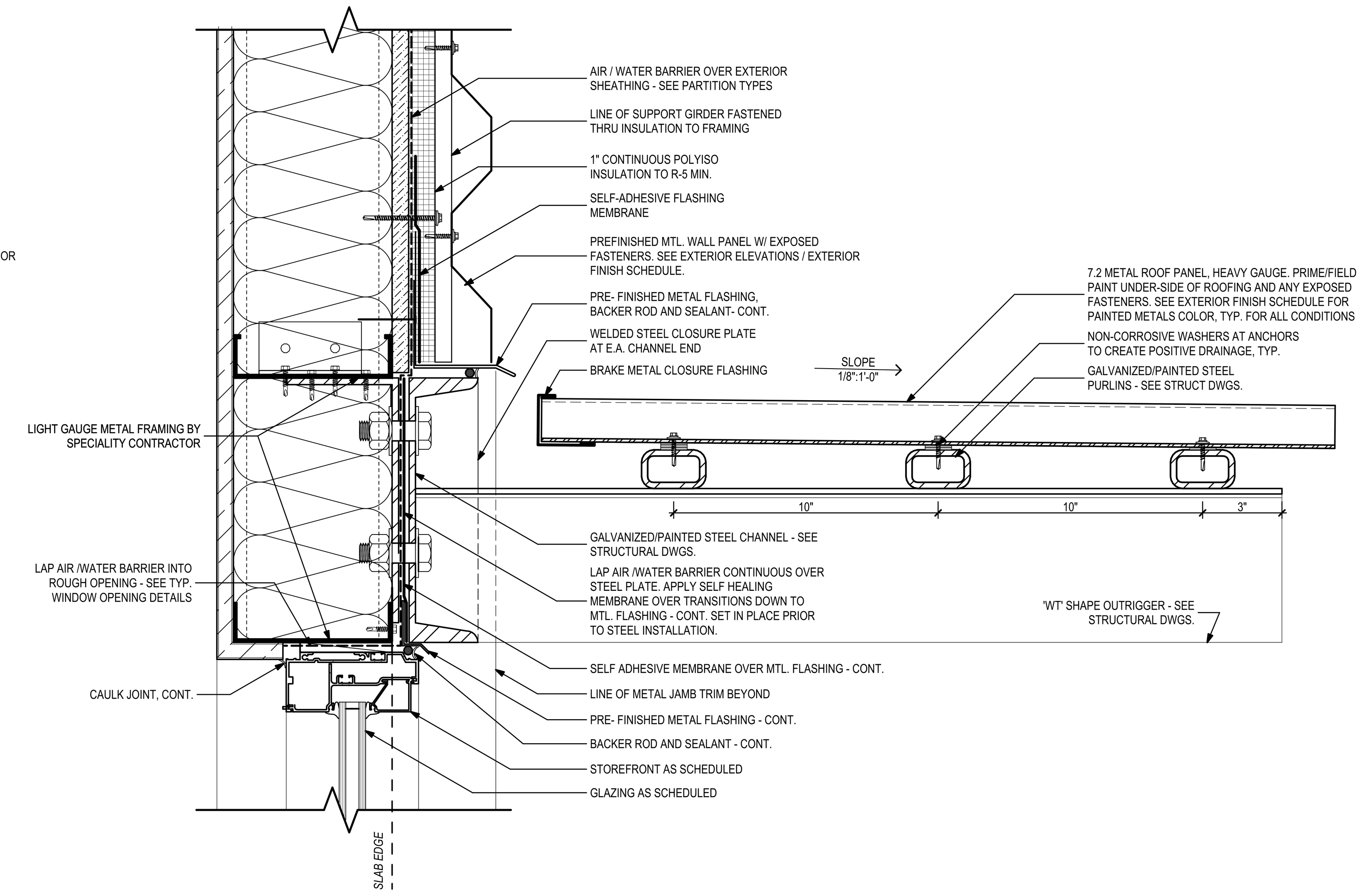
Sheet No.:
A6.3

NOTE:
ALL BOLT TERMINATIONS ON EXT. OF BLDG. TO BE COMPLETED W/ SAME SIZE WASHERS AND A COMMON REMAINING BOLT LENGTH. COOR. W/ STRUCT. ENGINEER AND ARCHITECT PRIOR TO THE START OF THIS WORK.

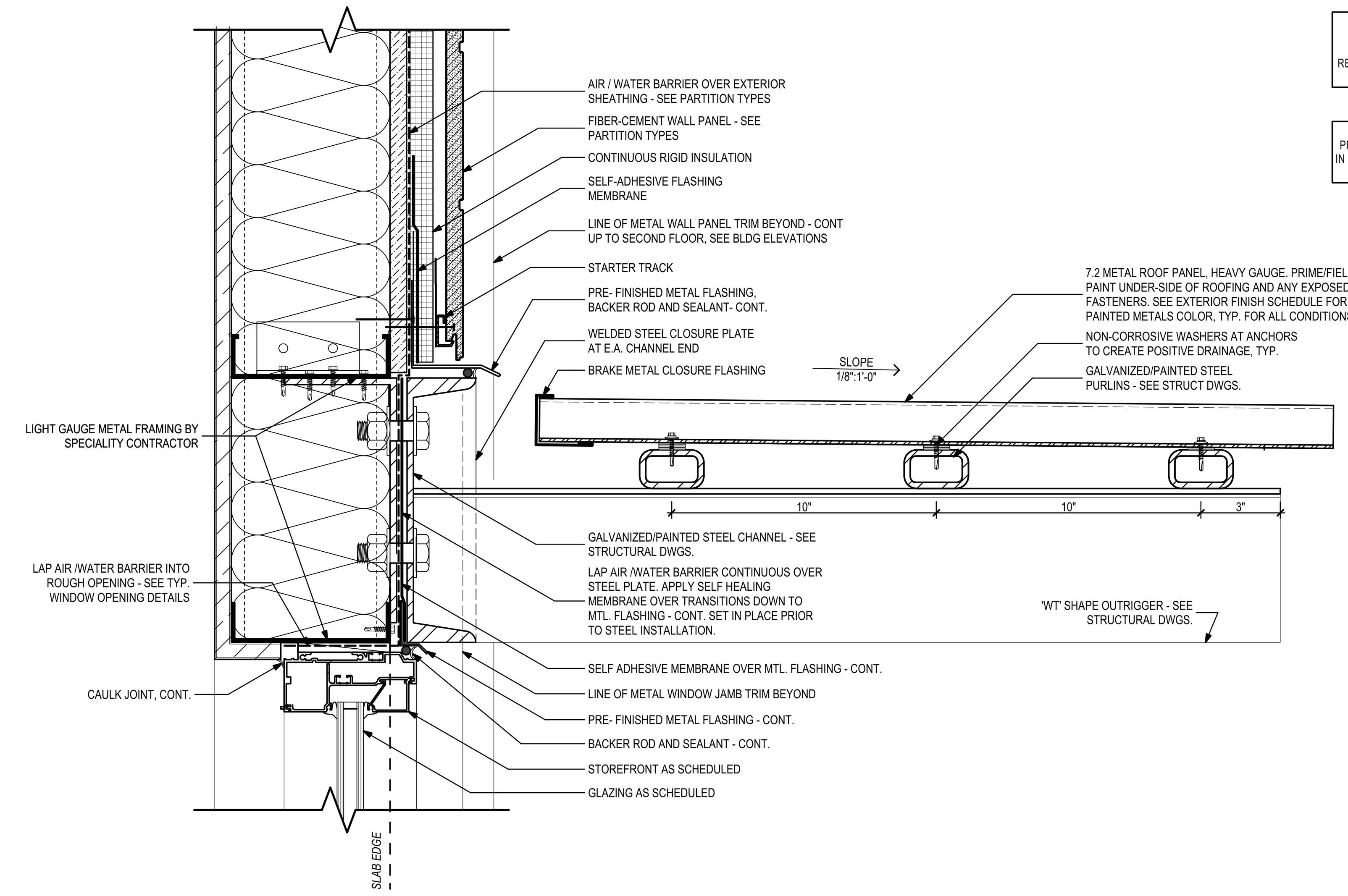
NOTE:
PROVIDE FELT BOND BREAKER @ ALL P.T. WOOD LOCATIONS IN CONTACT W/ METAL FRAMING / DECKING OR BREAK METAL - TYP.



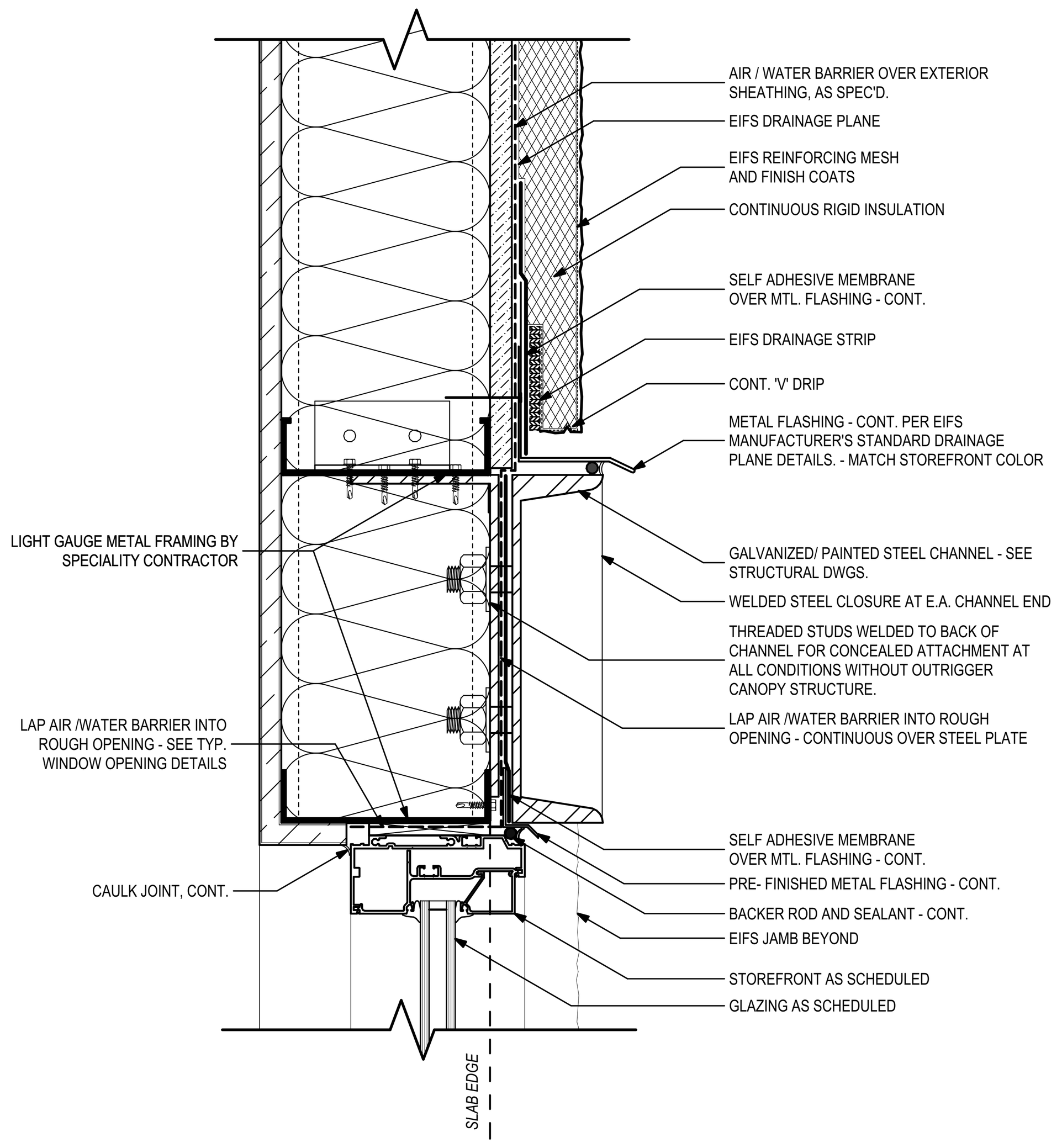
1 Storefront Window Head at Metal Panel
3" = 1'-0"



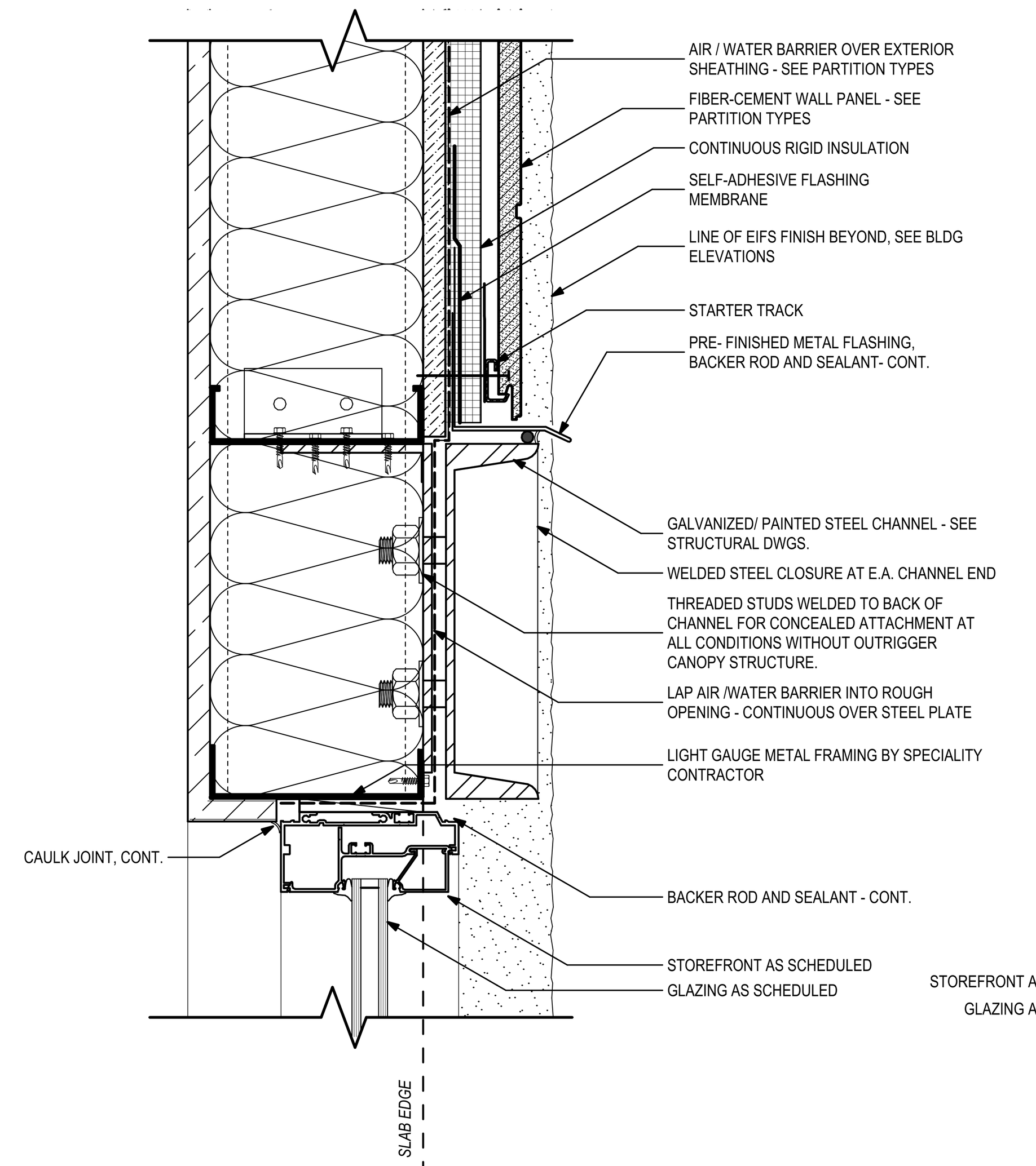
2 Awning Detail at Metal Panel
3" = 1'-0"



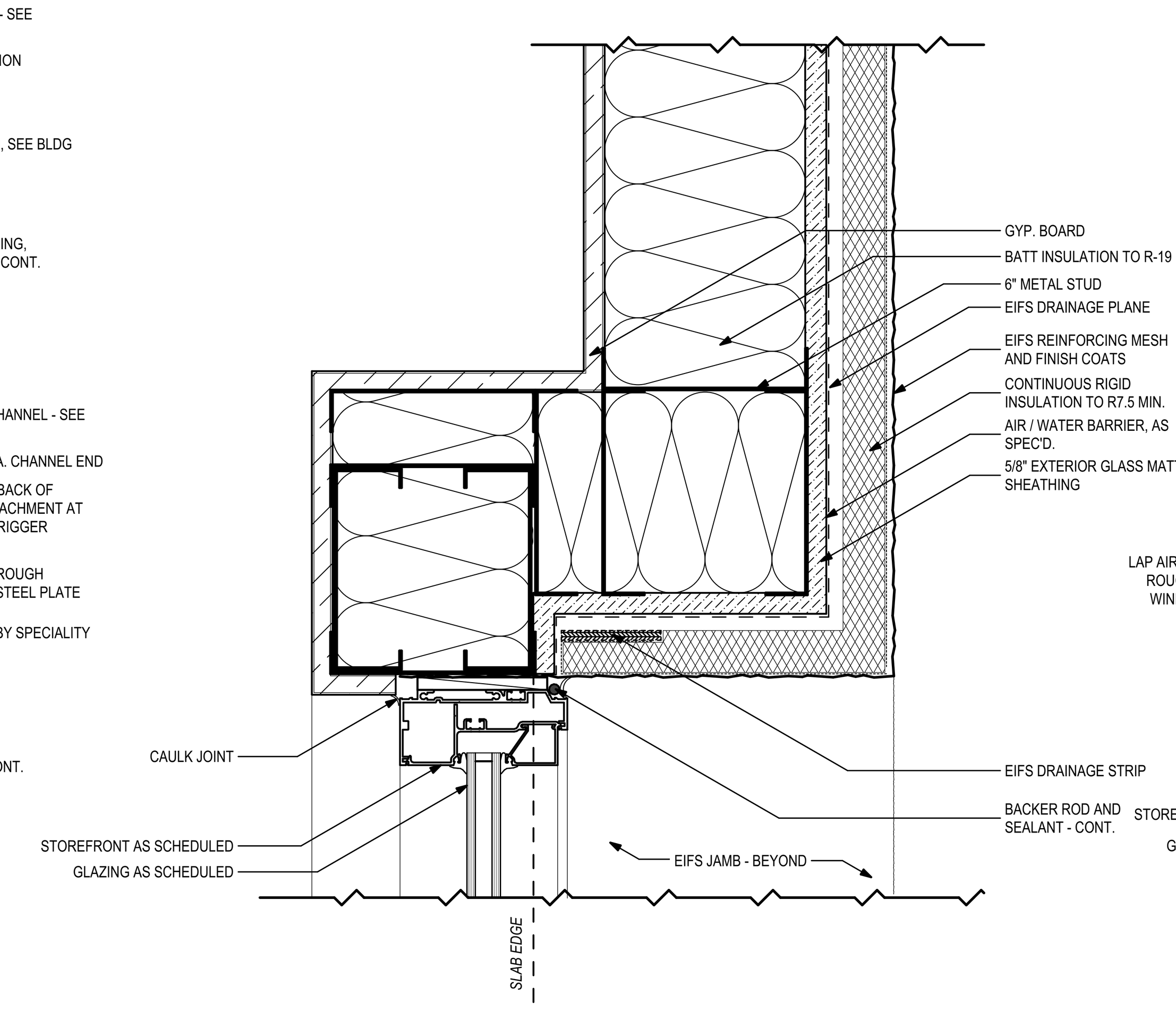
3 Awning Detail at Fiber Cement Panel
3" = 1'-0"



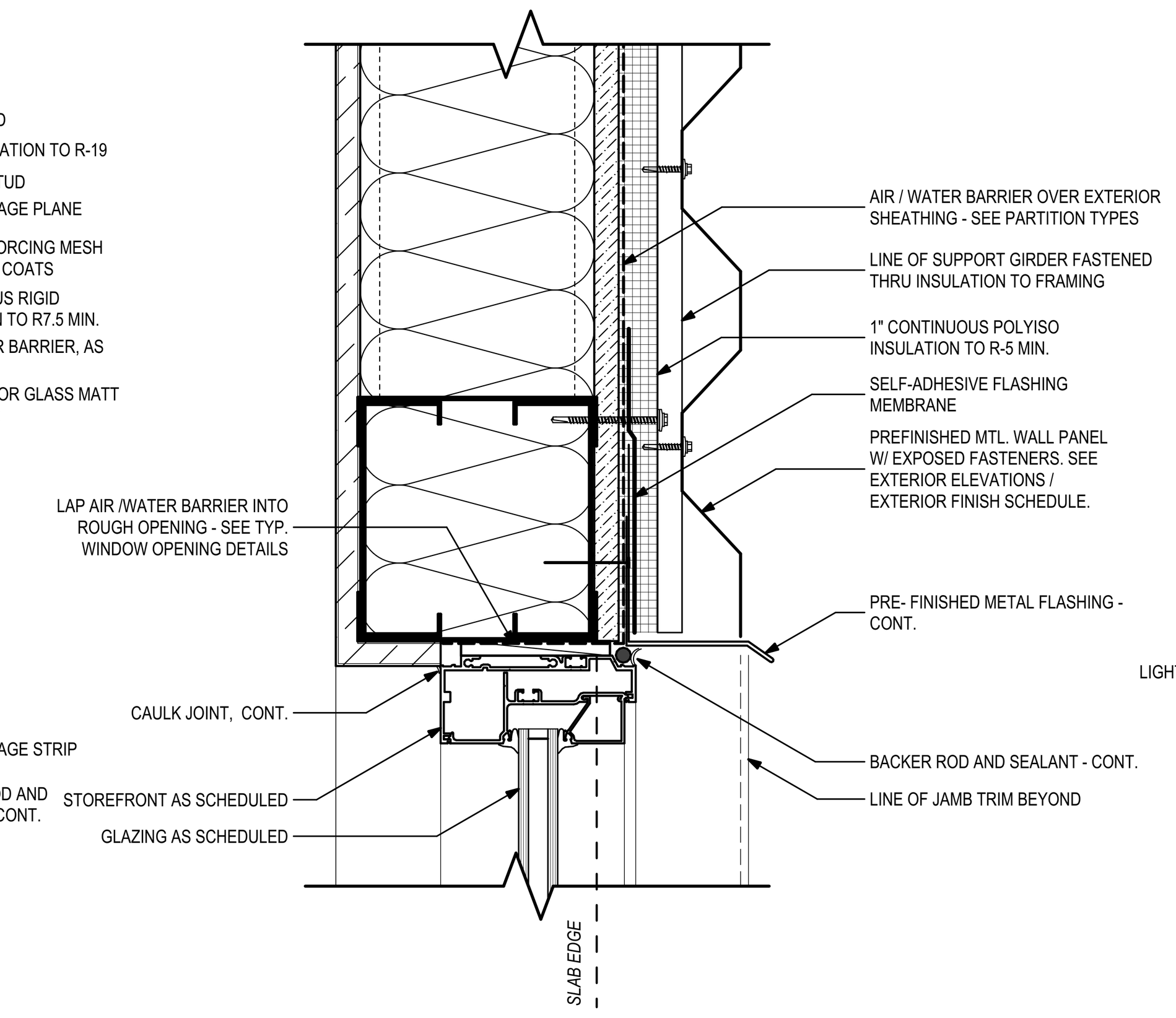
4 Storefront Window Head at EIFS
3" = 1'-0"



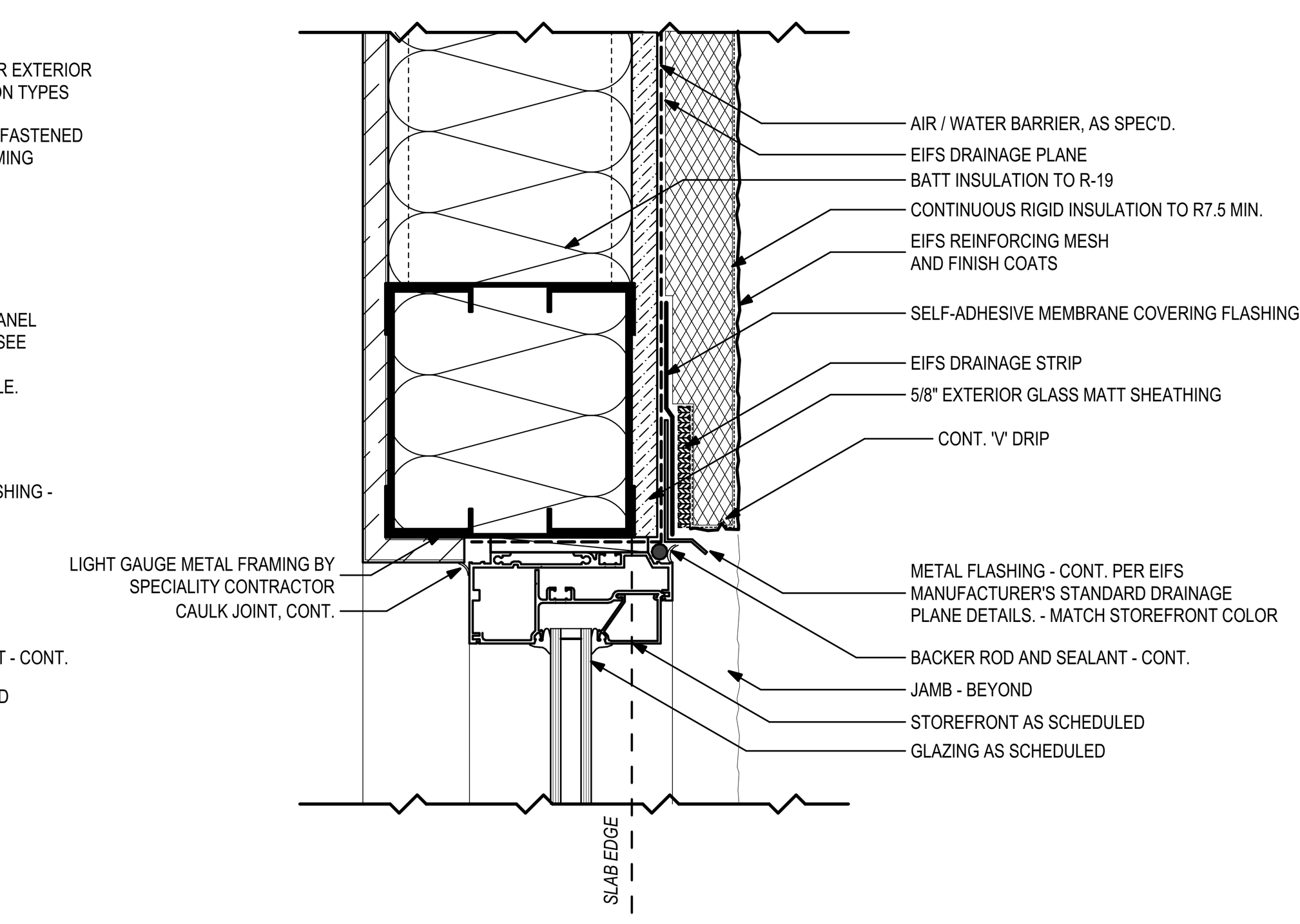
5 Storefront Window Head at Fiber Cement Panel
3" = 1'-0"



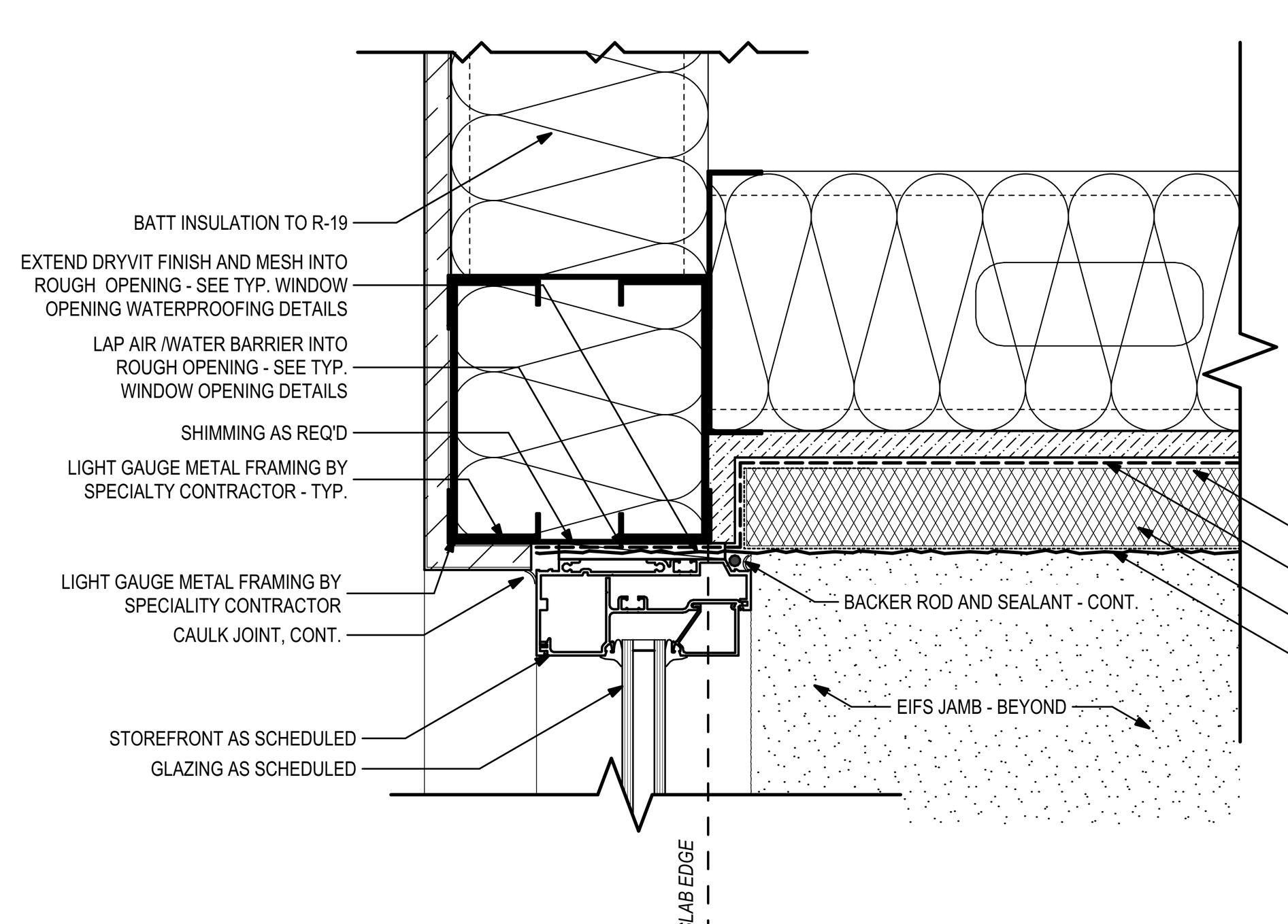
6 Storefront Window Head at EIFS
3" = 1'-0"



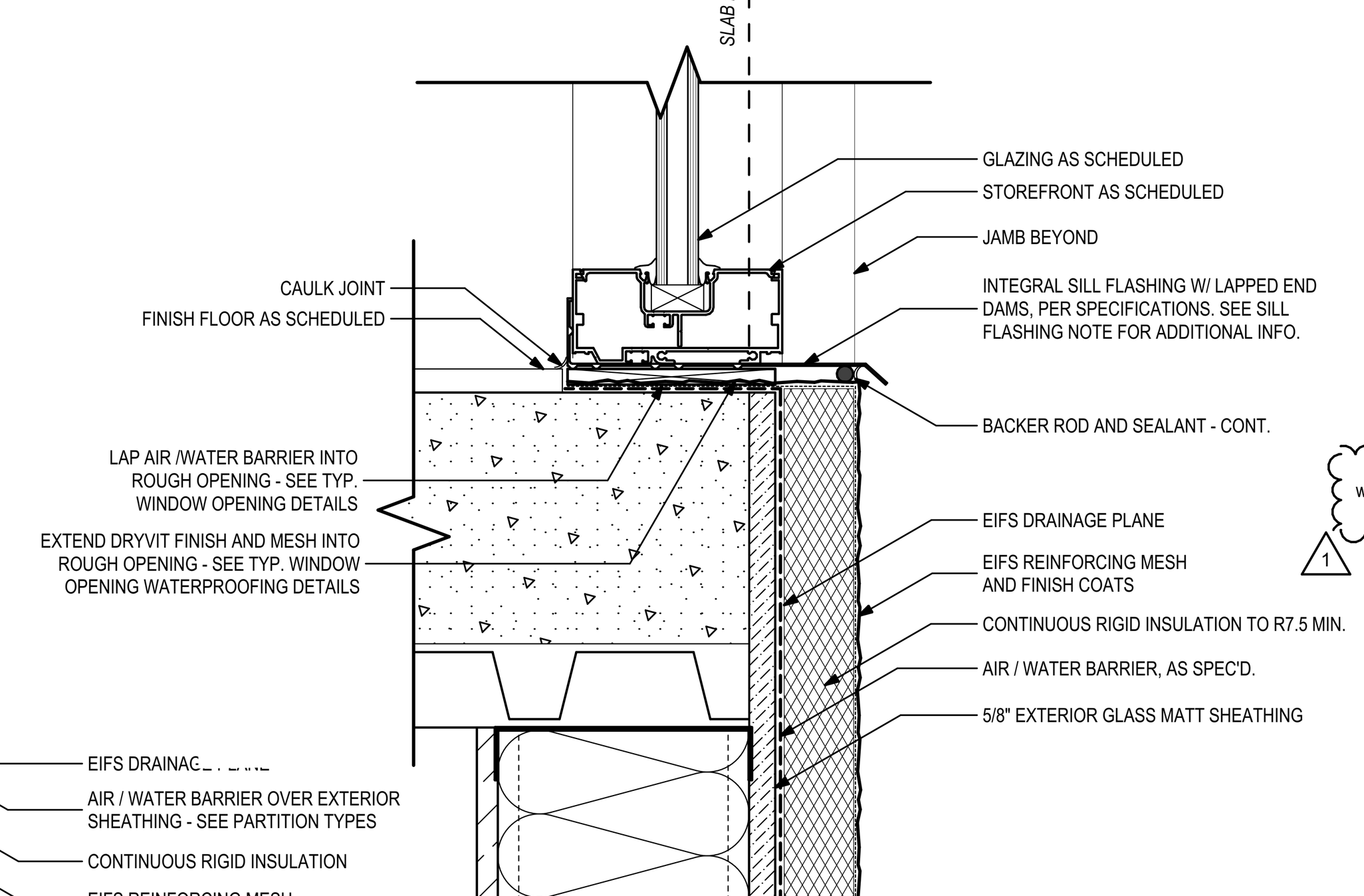
7 Storefront Window Head at Metal Panel
3" = 1'-0"



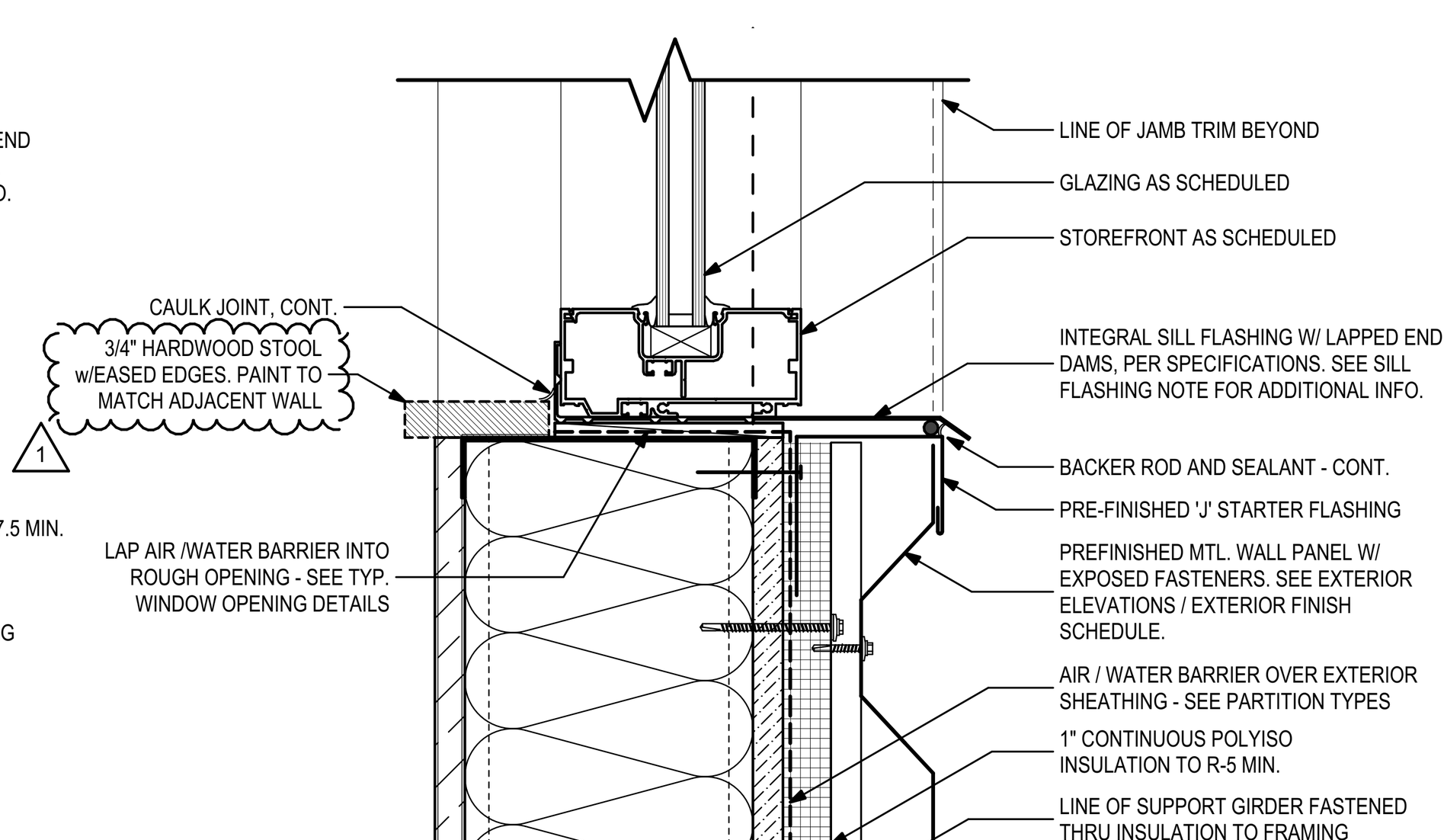
8 Storefront Window Head at EIFS
3" = 1'-0"



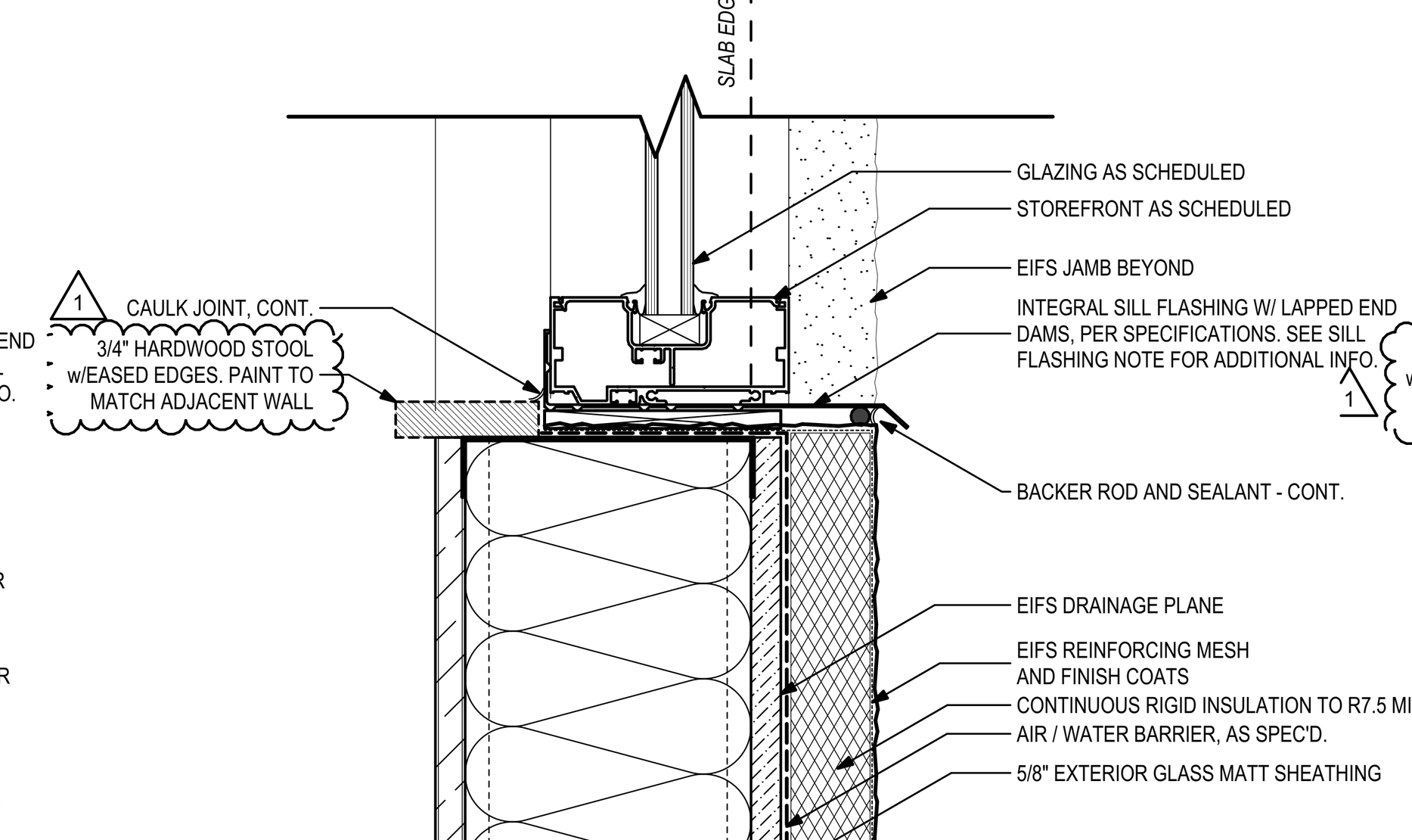
9 Storefront Window Head at EIFS
3" = 1'-0"



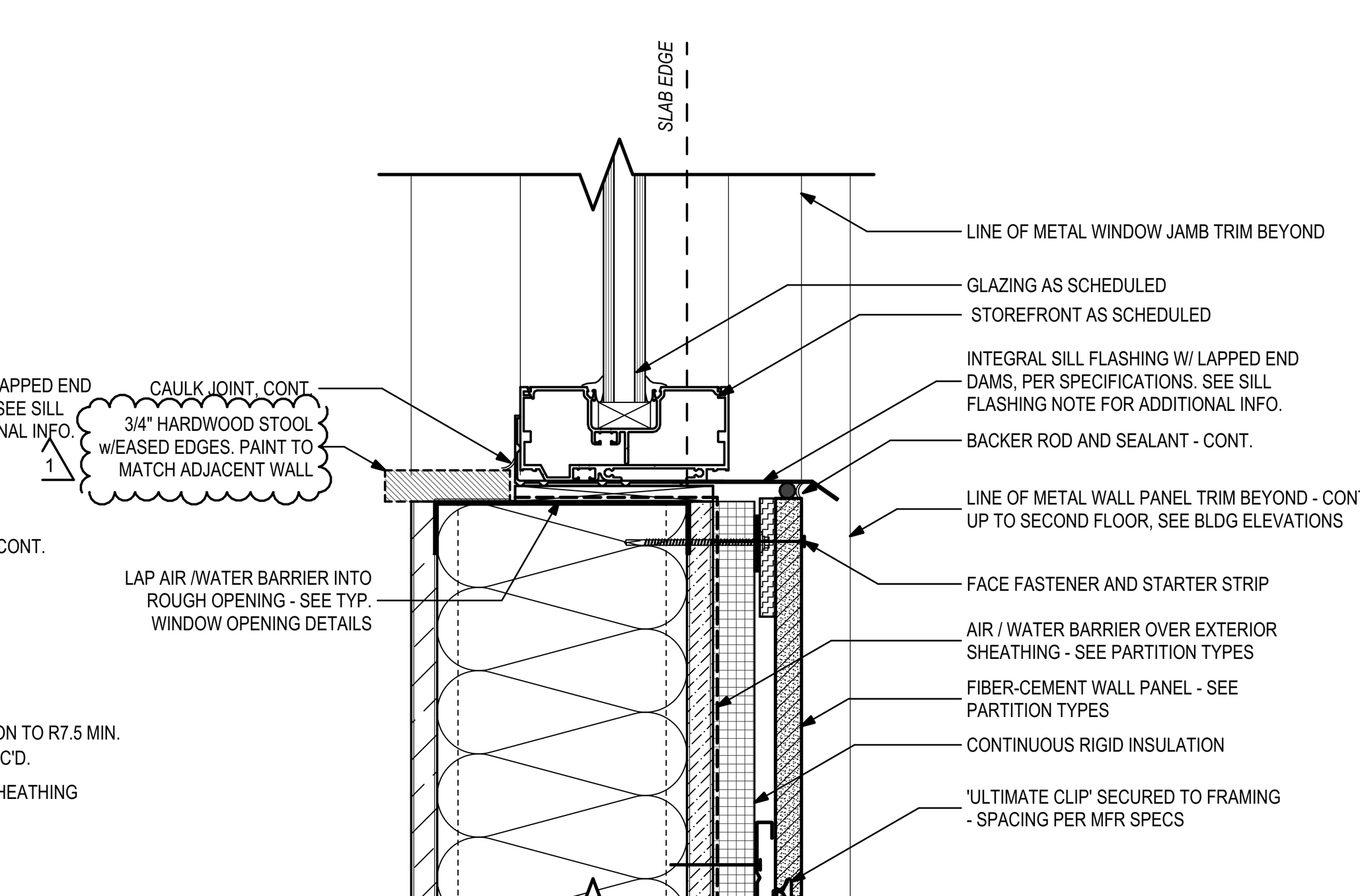
10 Storefront Sill at Second Floor EIFS - Collaboration Areas 2"/3" Thick EIFS
3" = 1'-0"



11 Storefront Window Sill at Metal Panel
3" = 1'-0"



12 Storefront Window Sl at EIFS
3" = 1'-0"



13 Storefront Window Sill at Fiber Cement Panel
3" = 1'-0"

PHASE:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT	RS, KS, AK, EE	C. WHITLOCK	07/30/21
50% CONSTRUCTION DOCUMENTS	RS, KS, AK, EE	C. WHITLOCK	10/07/21
100% CONSTRUCTION DOCUMENTS	RS, KS, BG, AK, EE	C. WHITLOCK	12/09/21

ID:	REVISION:	DRAWN:	REVIEWED:	DATE:
1	ADDENDUM 1	RS, KS, EE, AK, BG	C. WHITLOCK	01/10/22

Client:
Leon County R&D Authority
Tallahassee, Florida

Job Title:
North Florida Innovation Labs

Consultant:

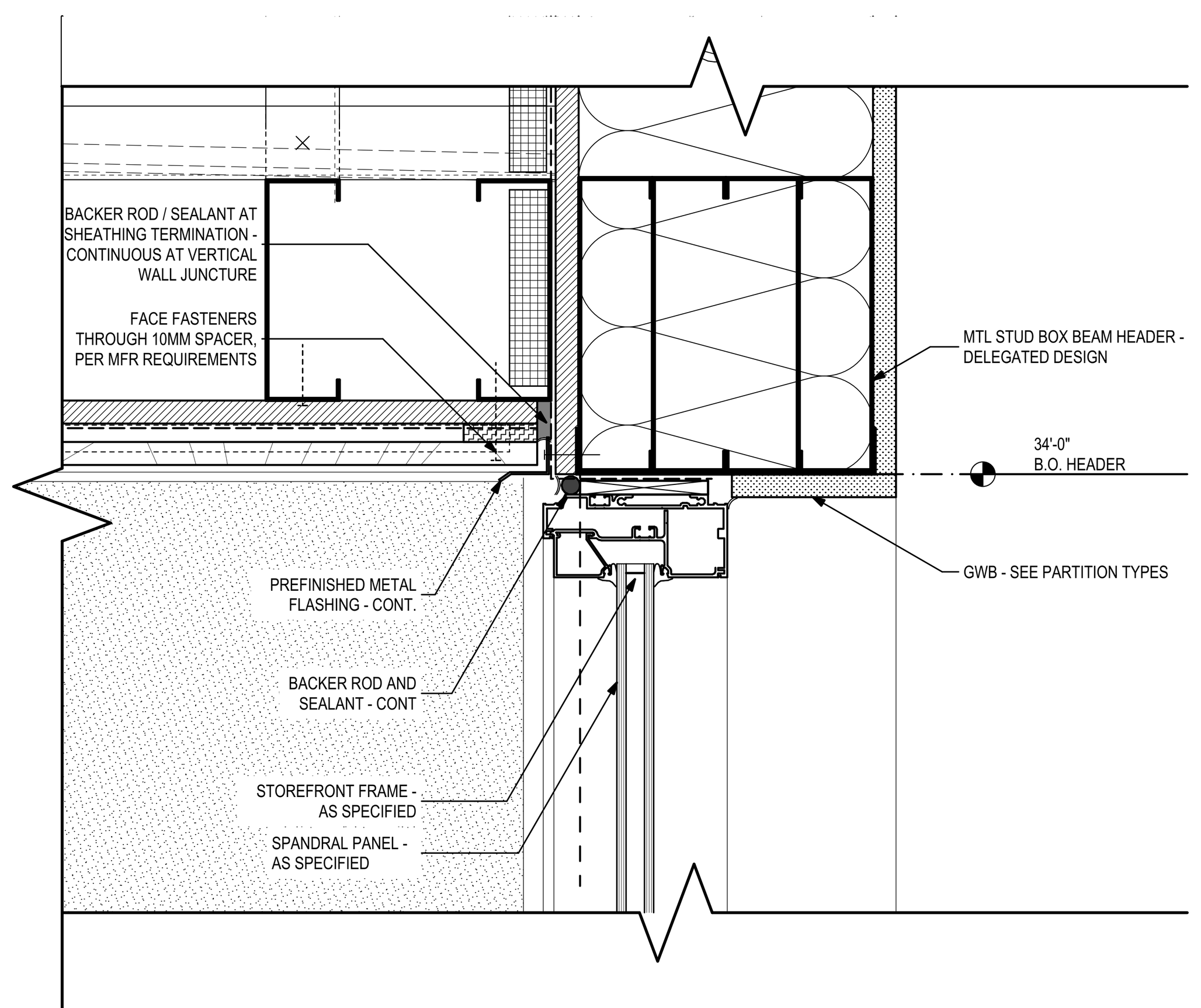
Seal:

Project #: 21414
Phase: 100% Construction Documents

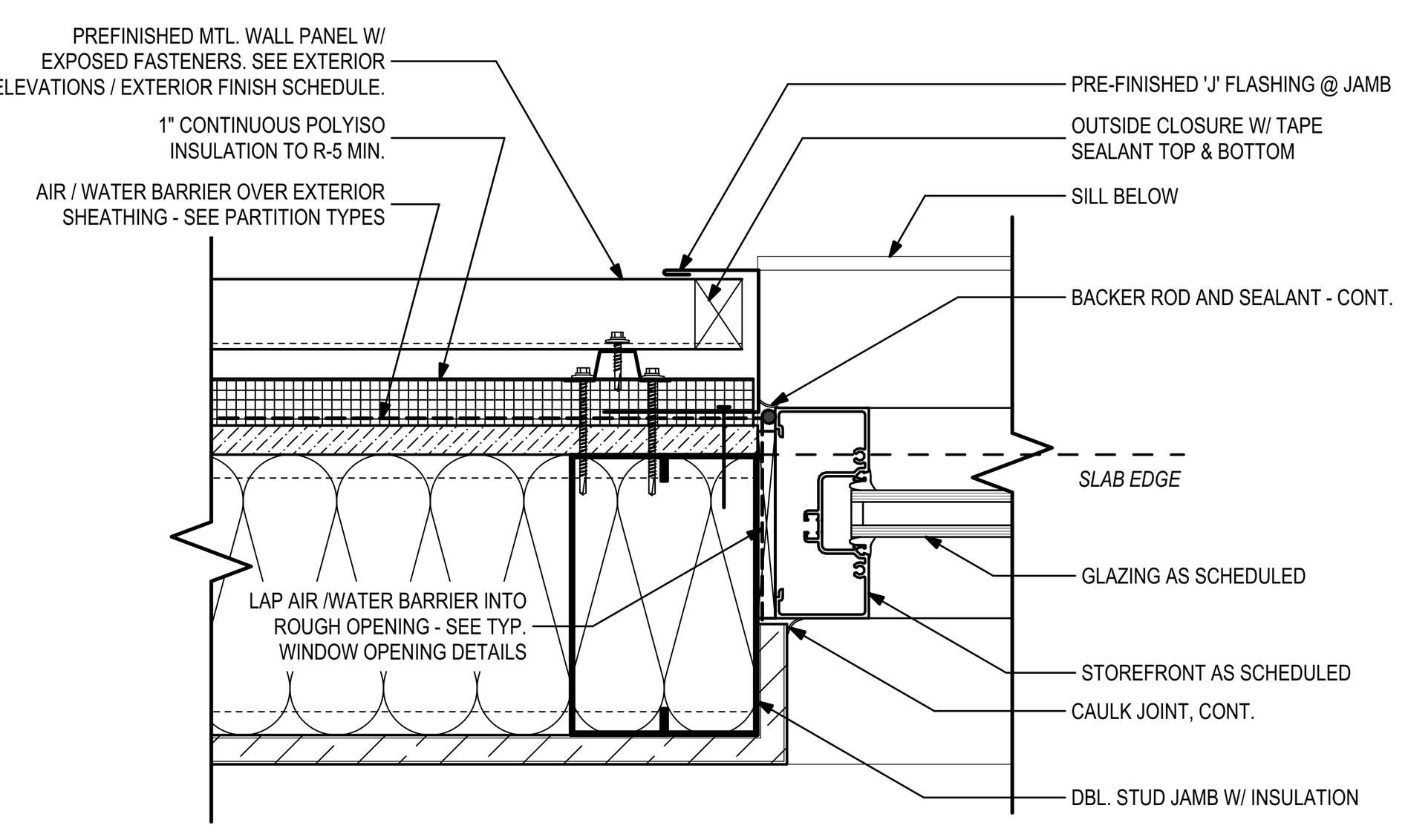
ALW
Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net

Description:
Exterior Storefront Details

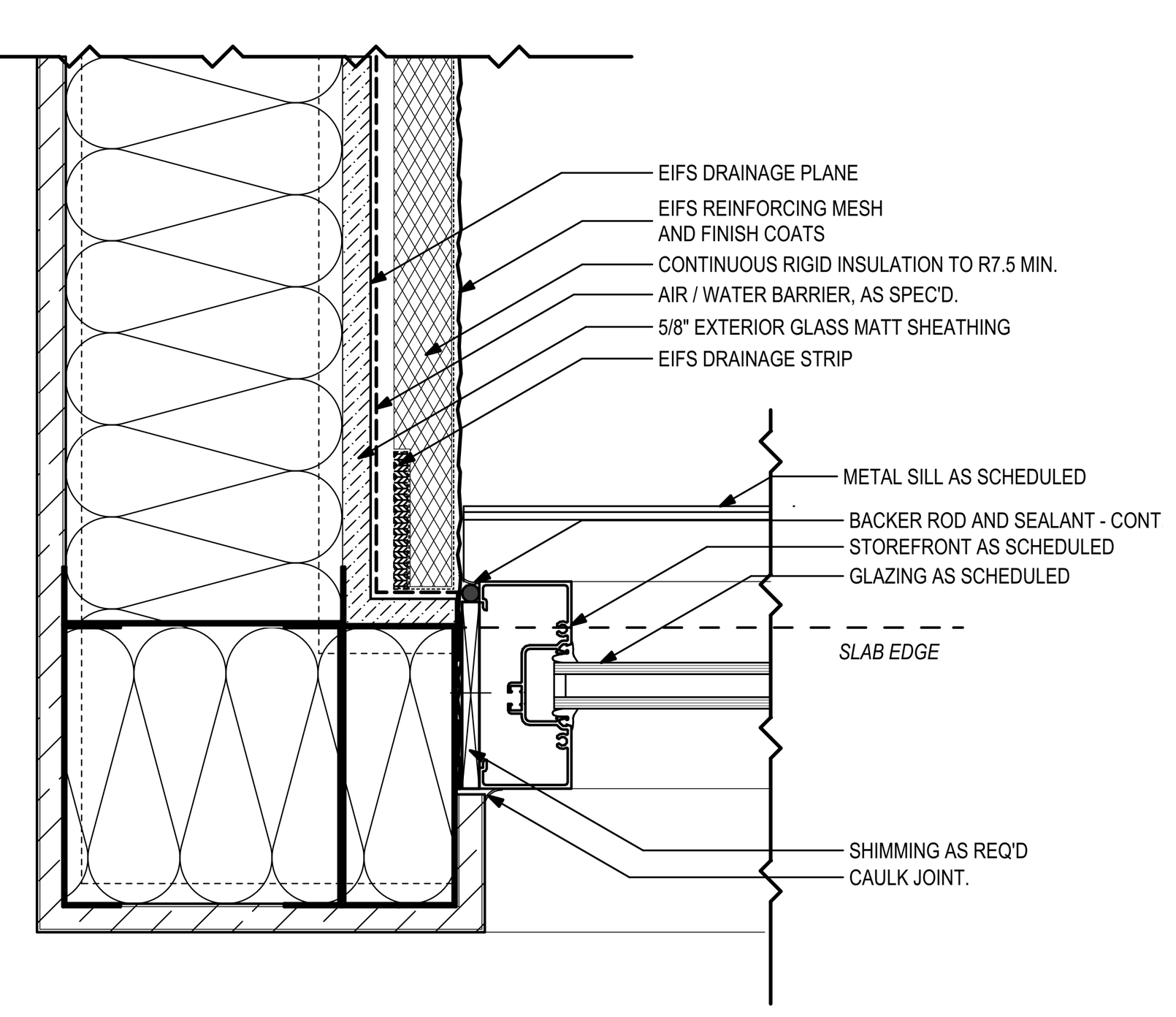
Sheet No.:
A6.4



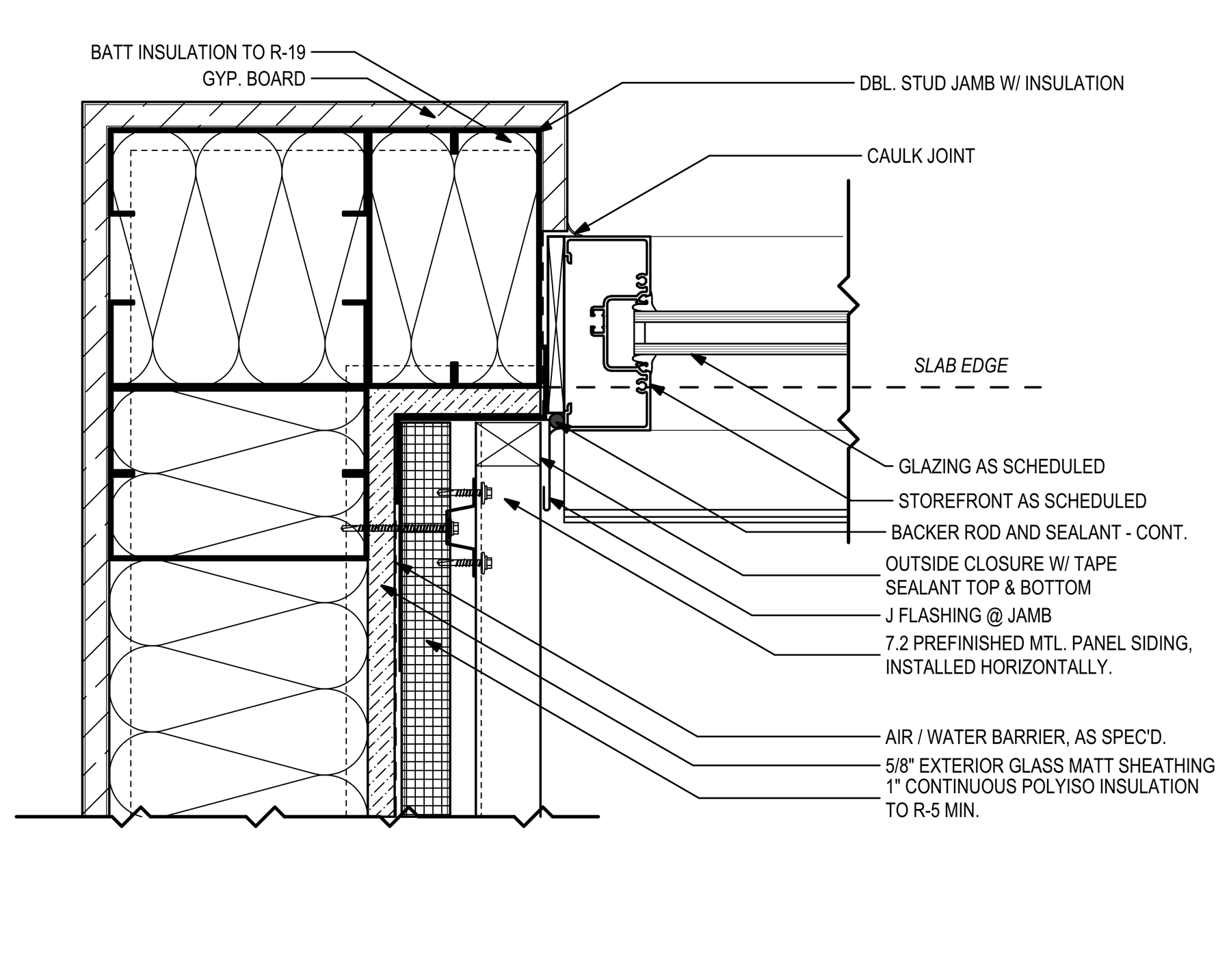
1 Storefront Window Head at Fiber Cement Panel
3" = 1'-0"



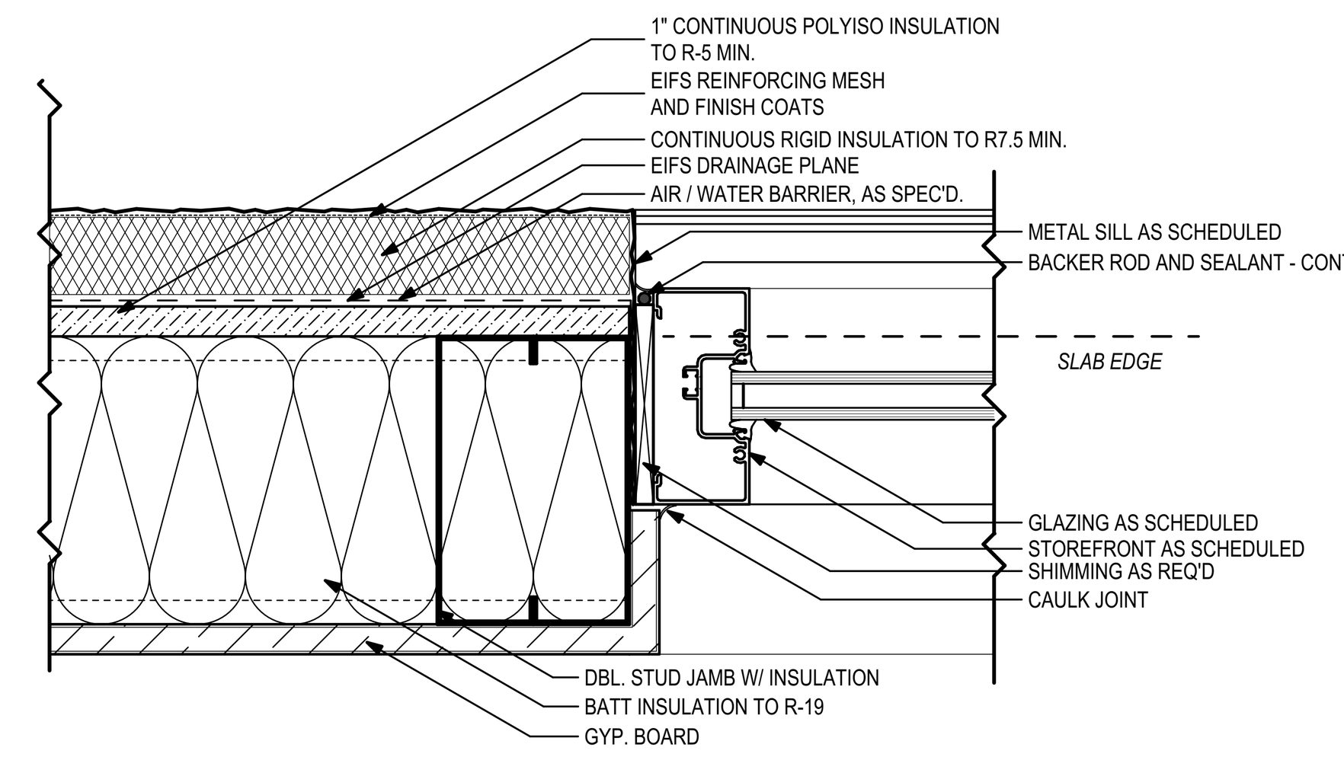
2 Storefront Window Jamb at Metal Panel
3" = 1'-0"



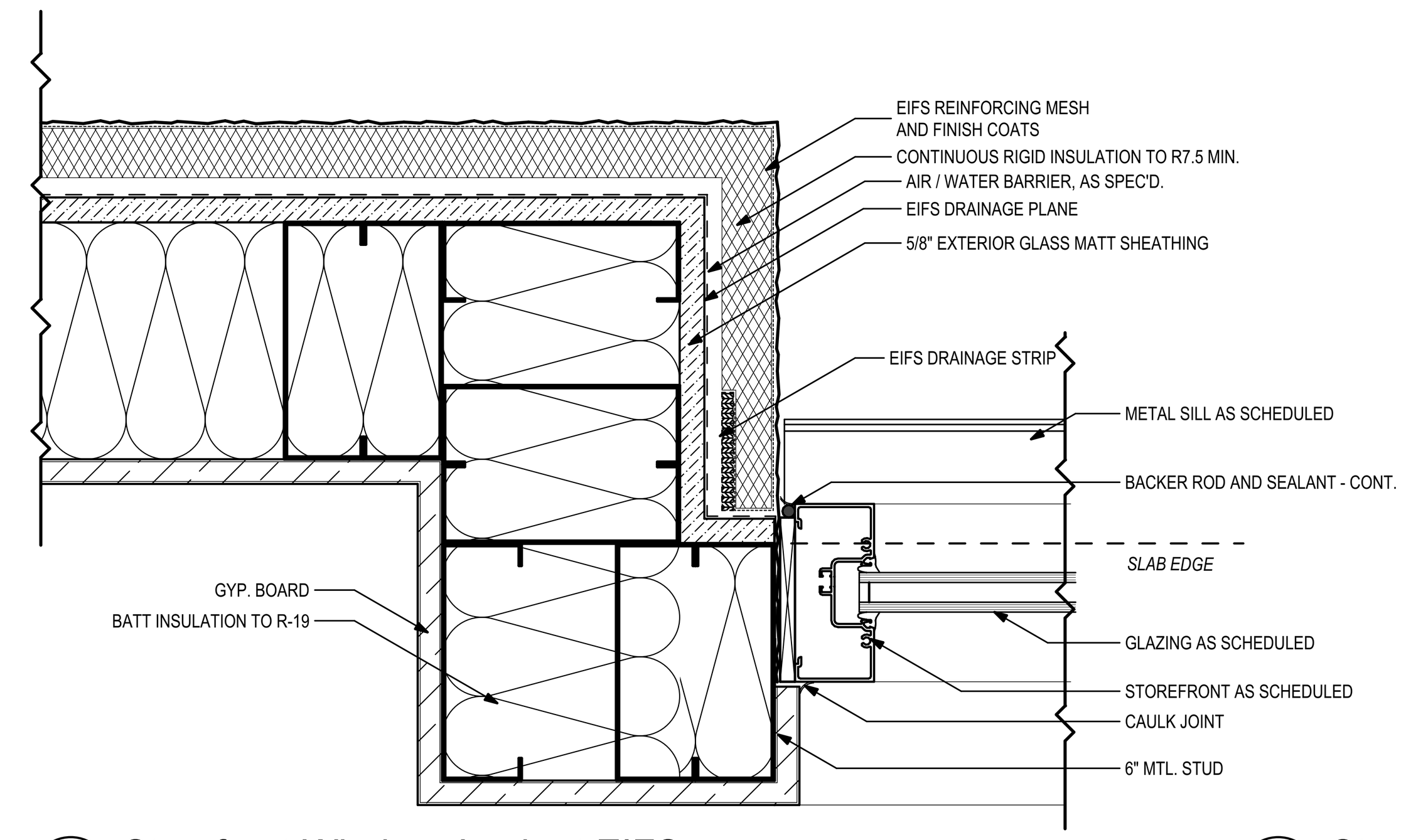
3 Storefront Window Jamb at EIFS
3" = 1'-0"



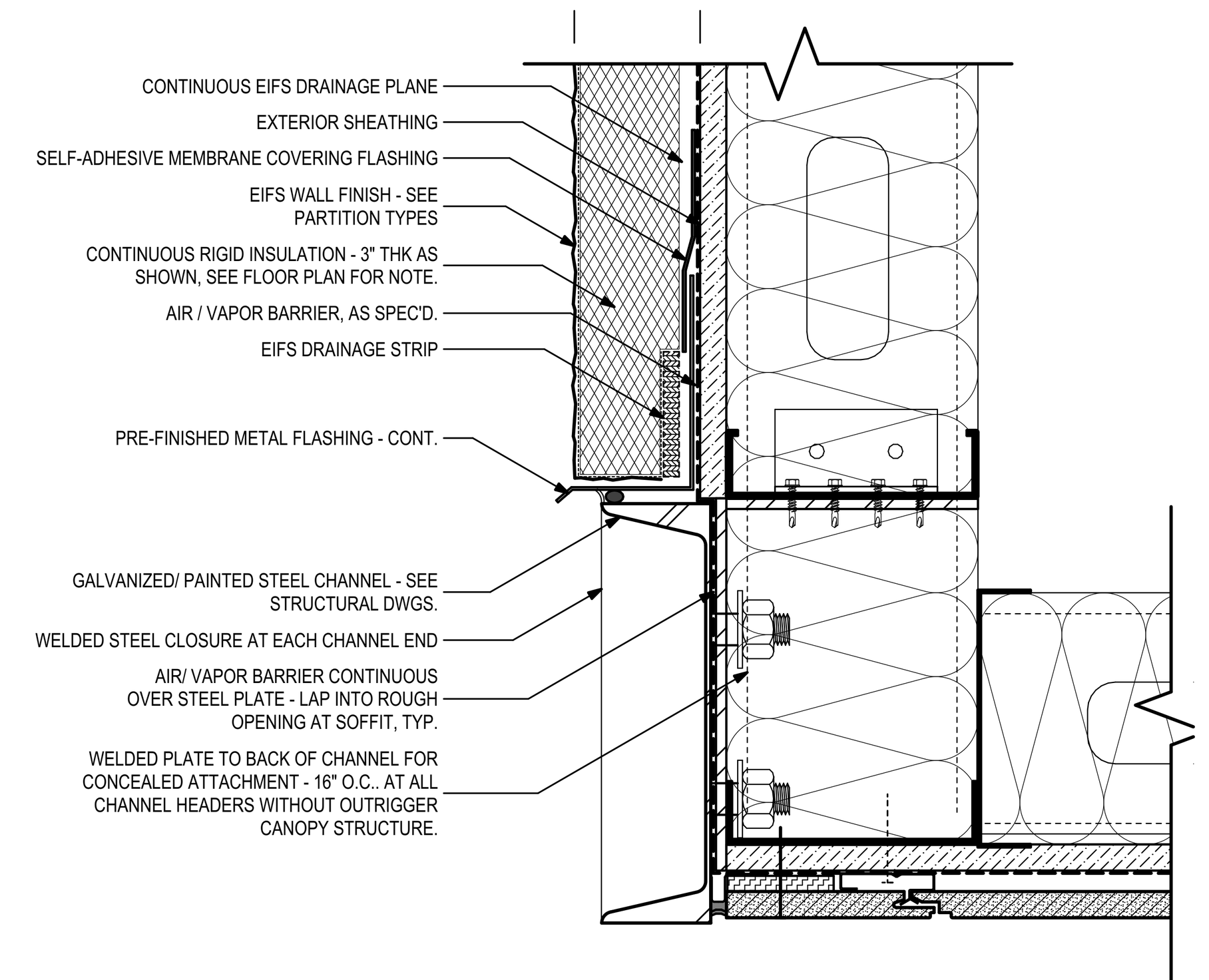
4 Storefront Window Jamb at Metal Panel
3" = 1'-0"



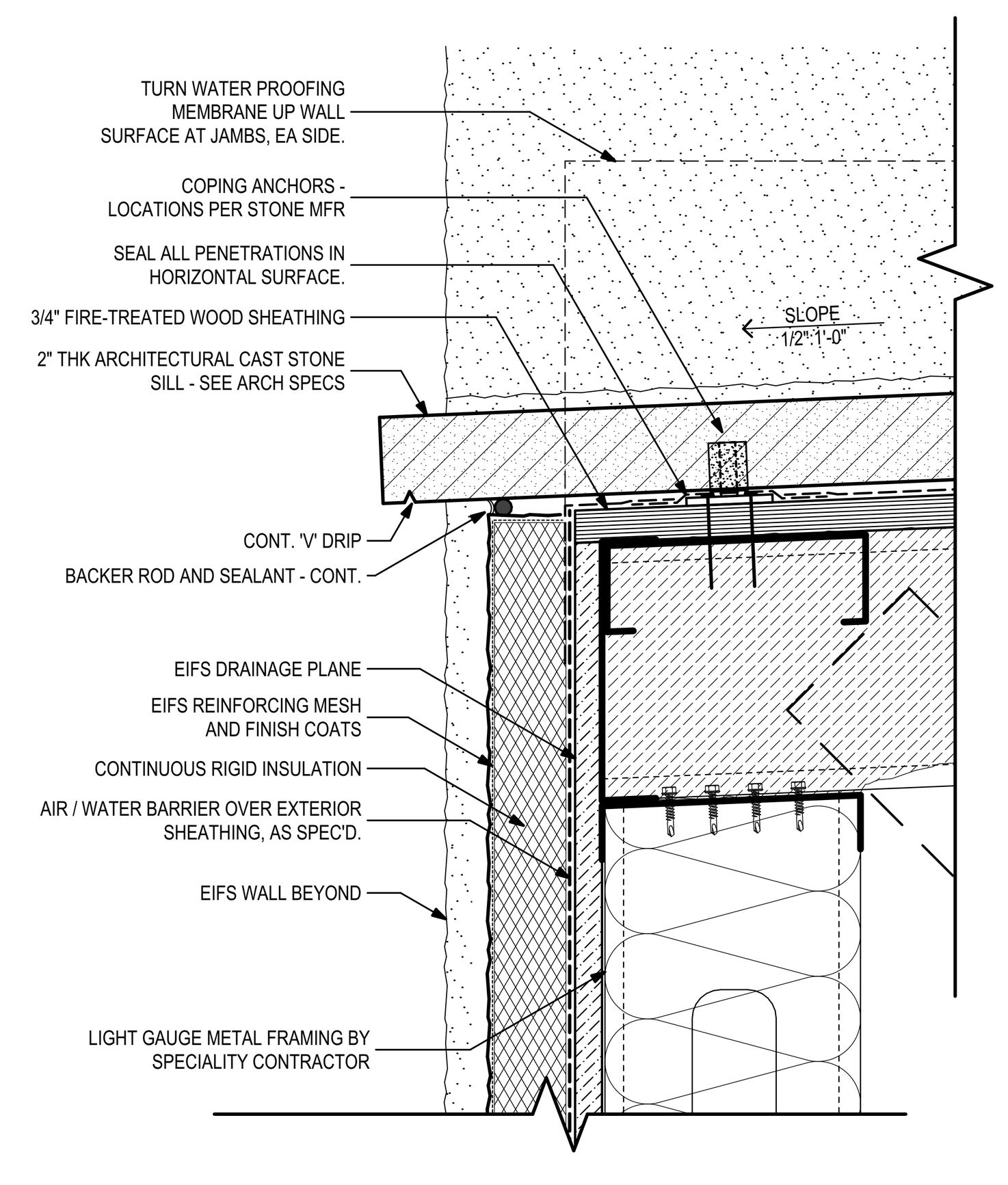
5 Storefront Window Jamb at EIFS
3" = 1'-0"



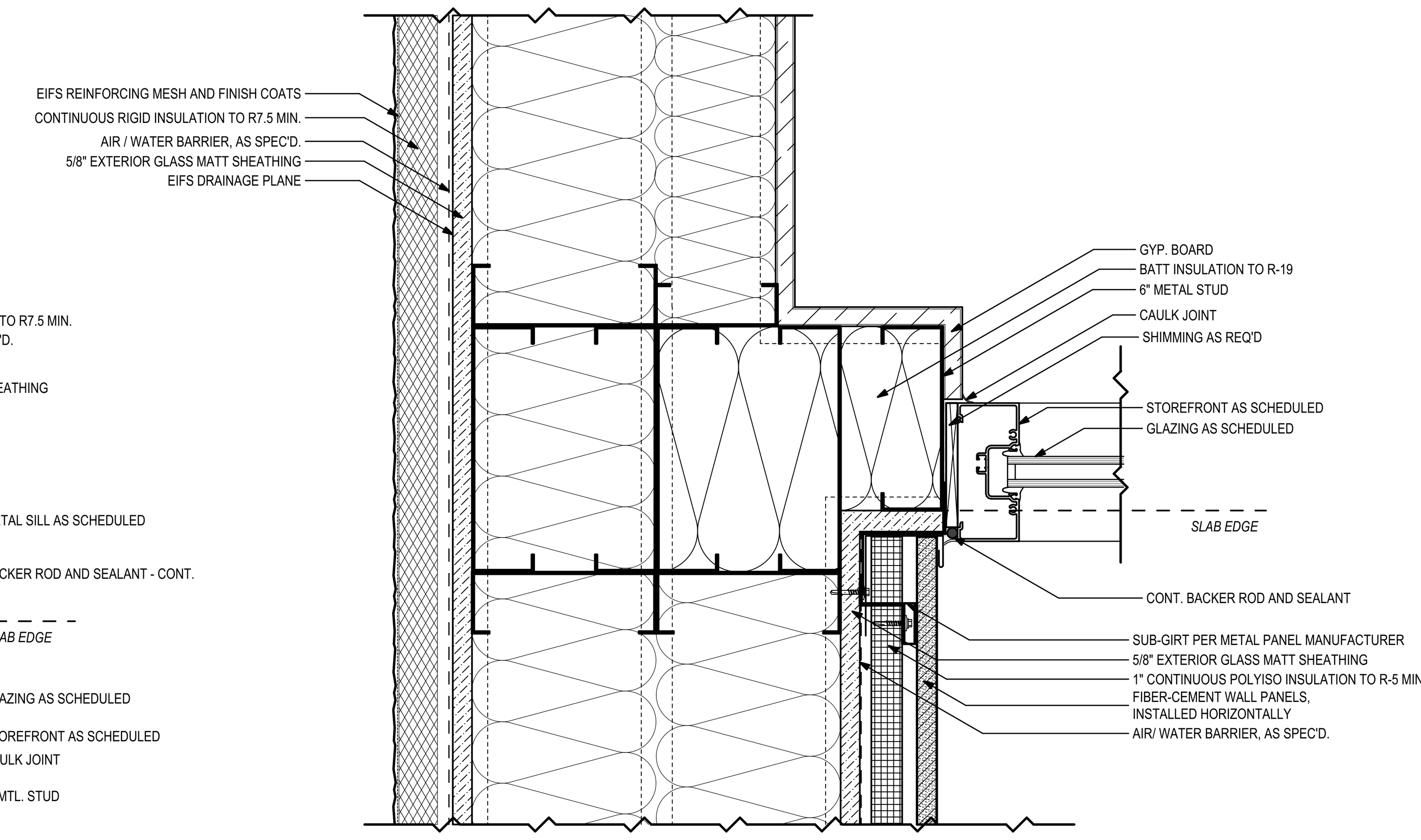
6 Storefront Window Jamb at EIFS
3" = 1'-0"



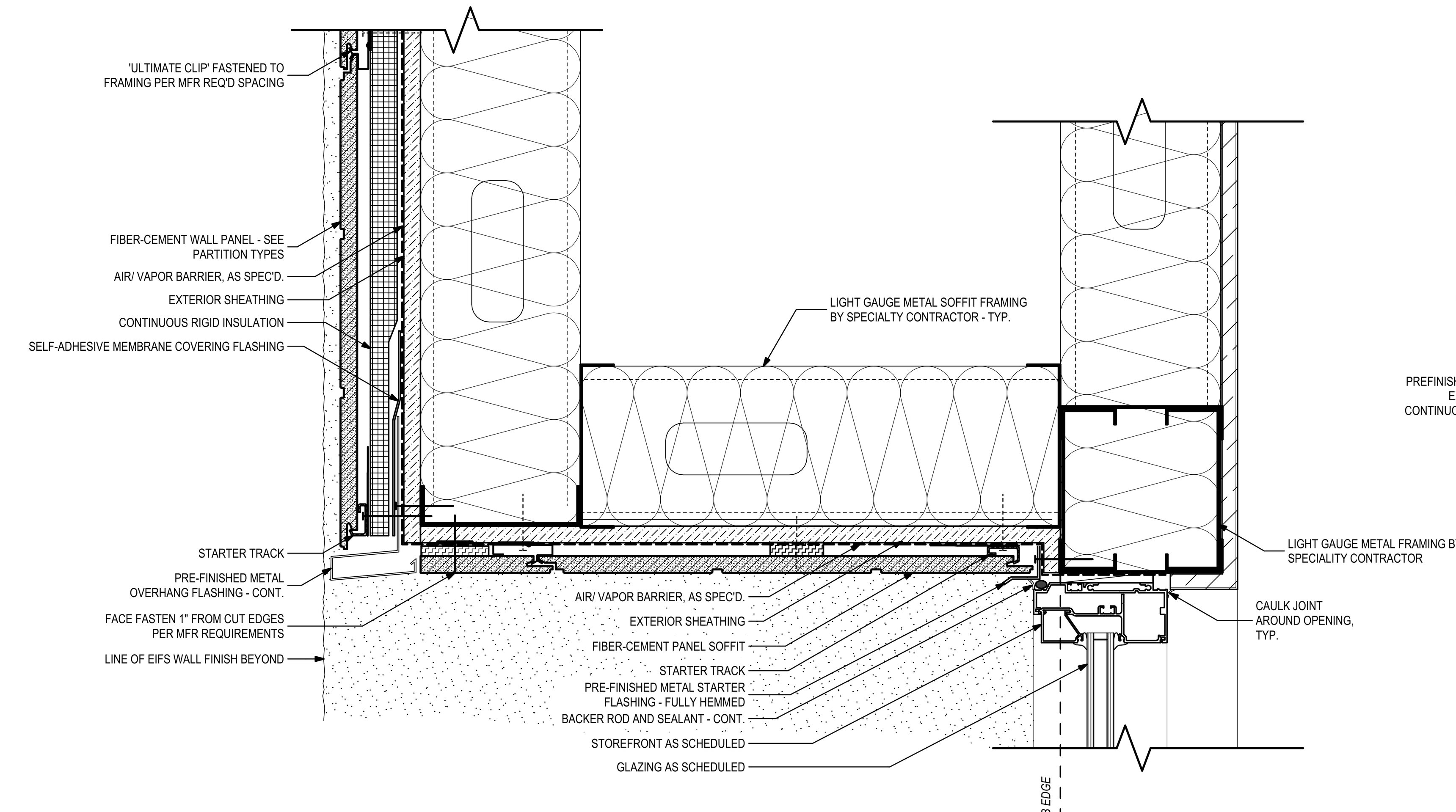
7 Steel Channel Fscia - 2" or 3" Thick EIFS
3" = 1'-0"



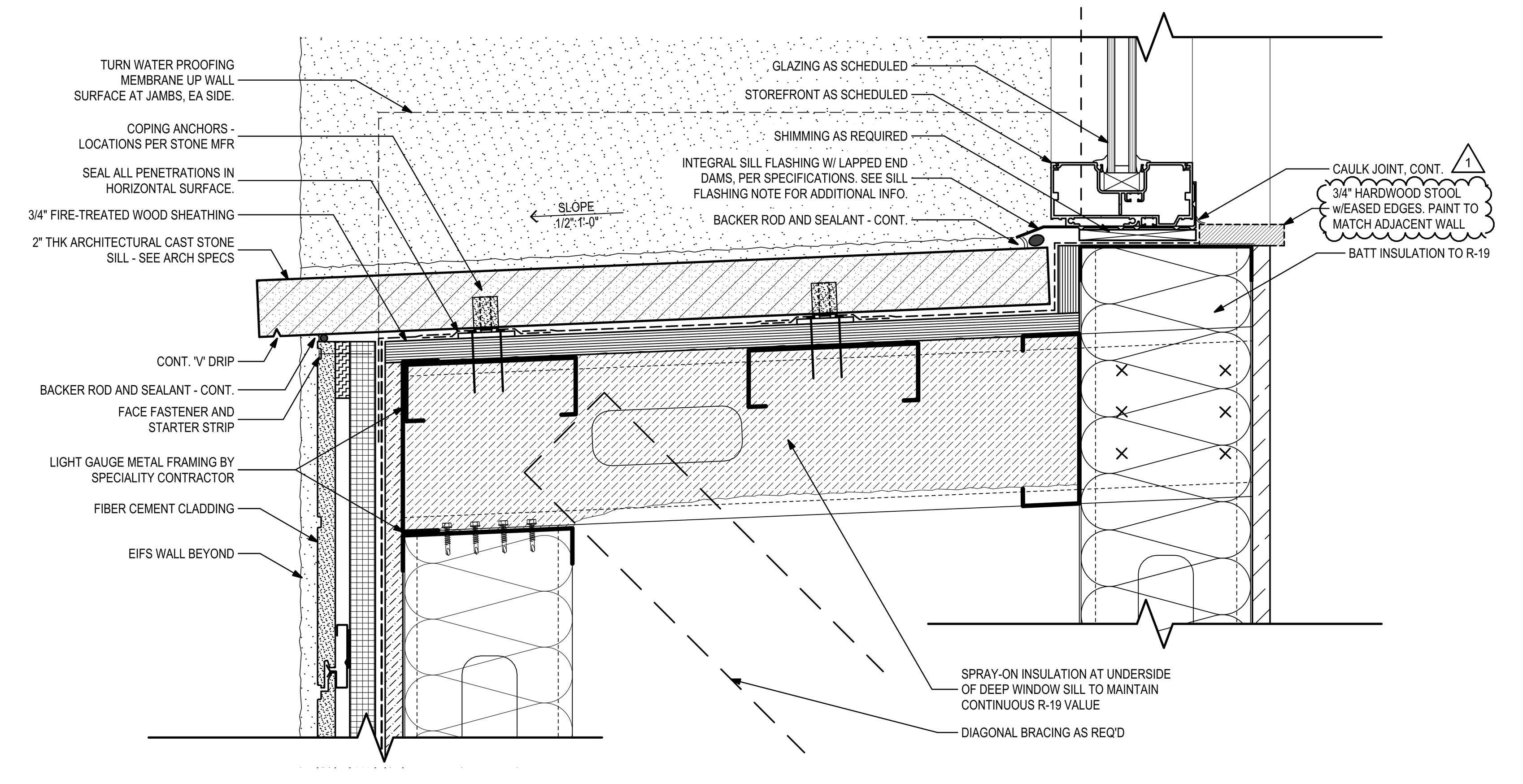
8 Recessed Window Sill at Ground Floor - EIFS
3" = 1'-0"



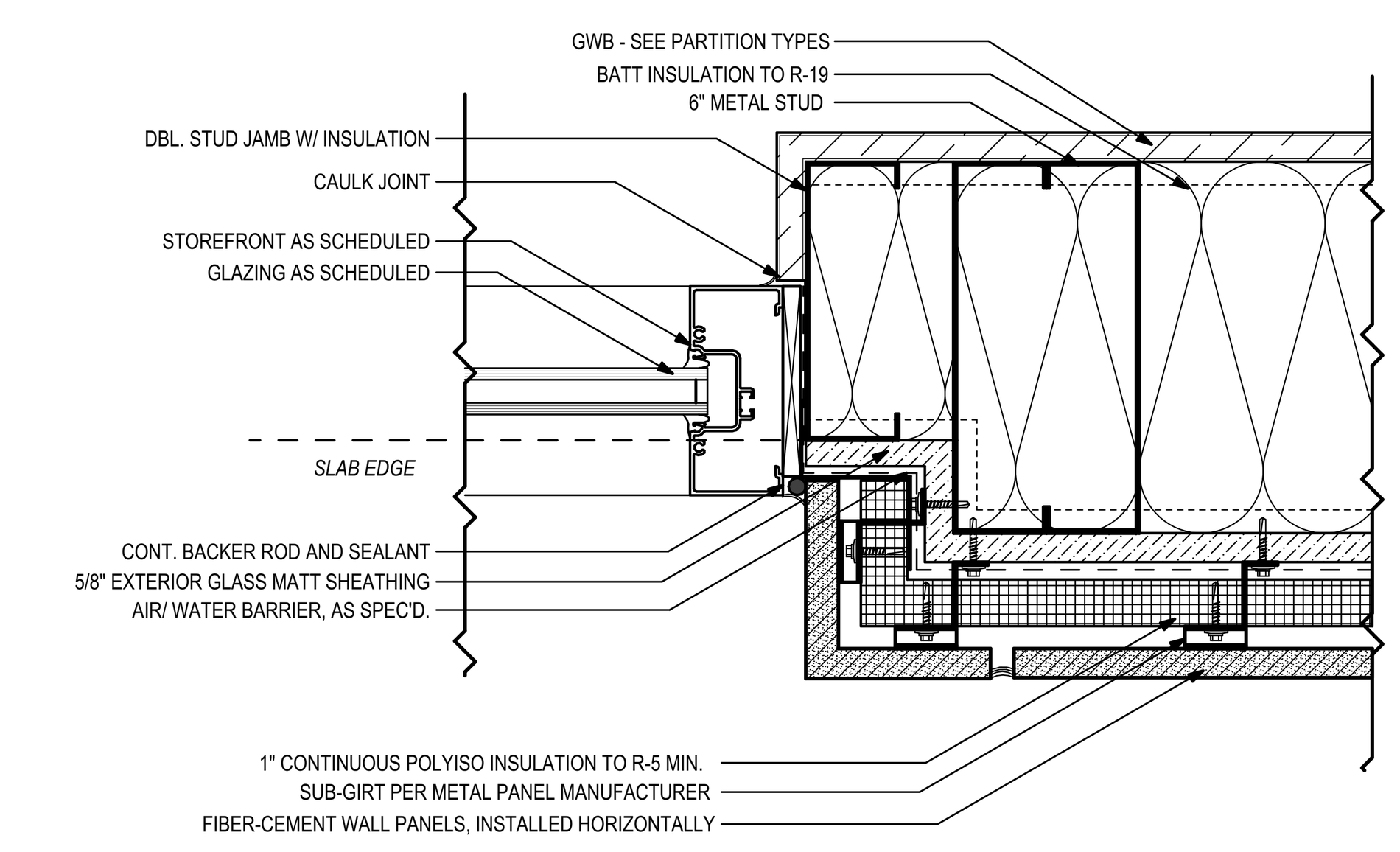
9 Storefront Window Jamb at Fiber Cement Panel
3" = 1'-0"



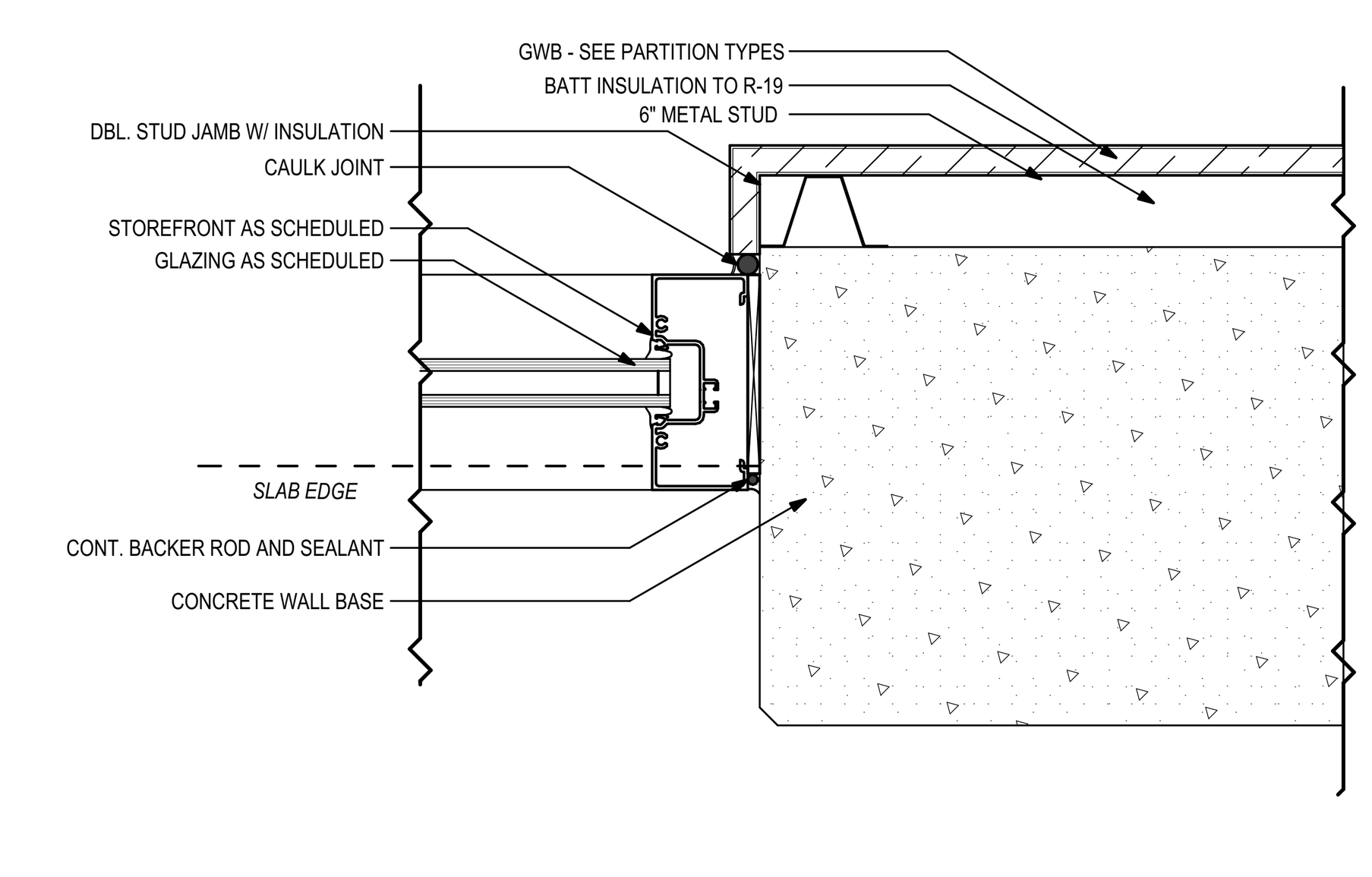
10 Recessed Window Head at Ground Floor - Fiber Cement
3" = 1'-0"



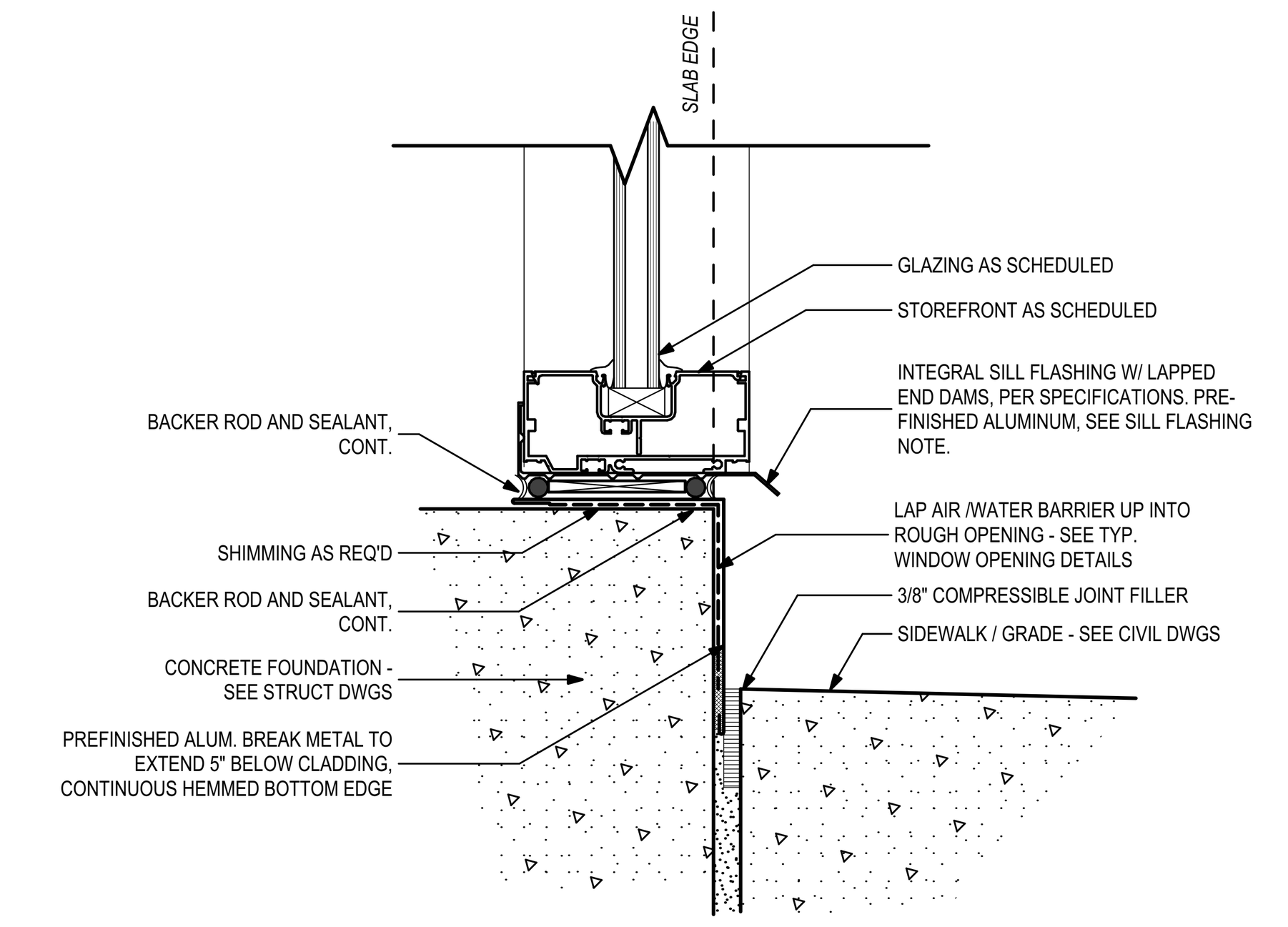
11 Recessed Window Sill at Ground Floor - Fiber Cement Panel
3" = 1'-0"



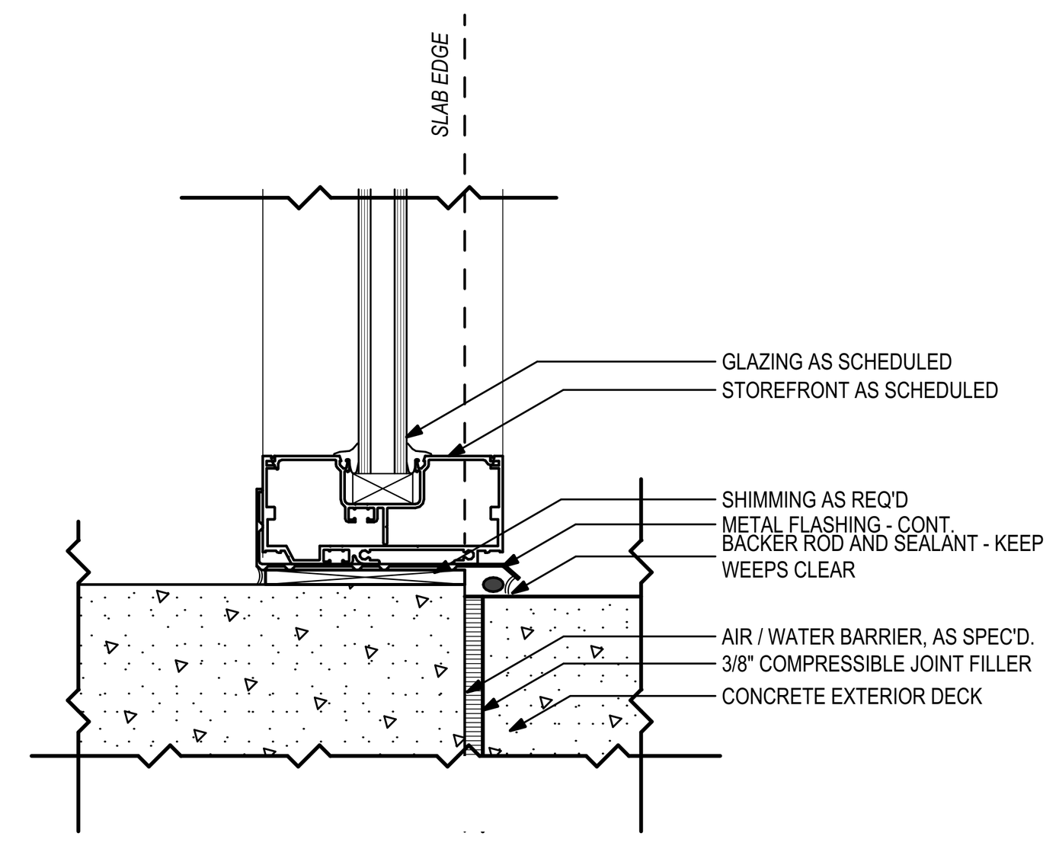
12 Storefront Window Jamb at Fiber Cement Panel
3" = 1'-0"



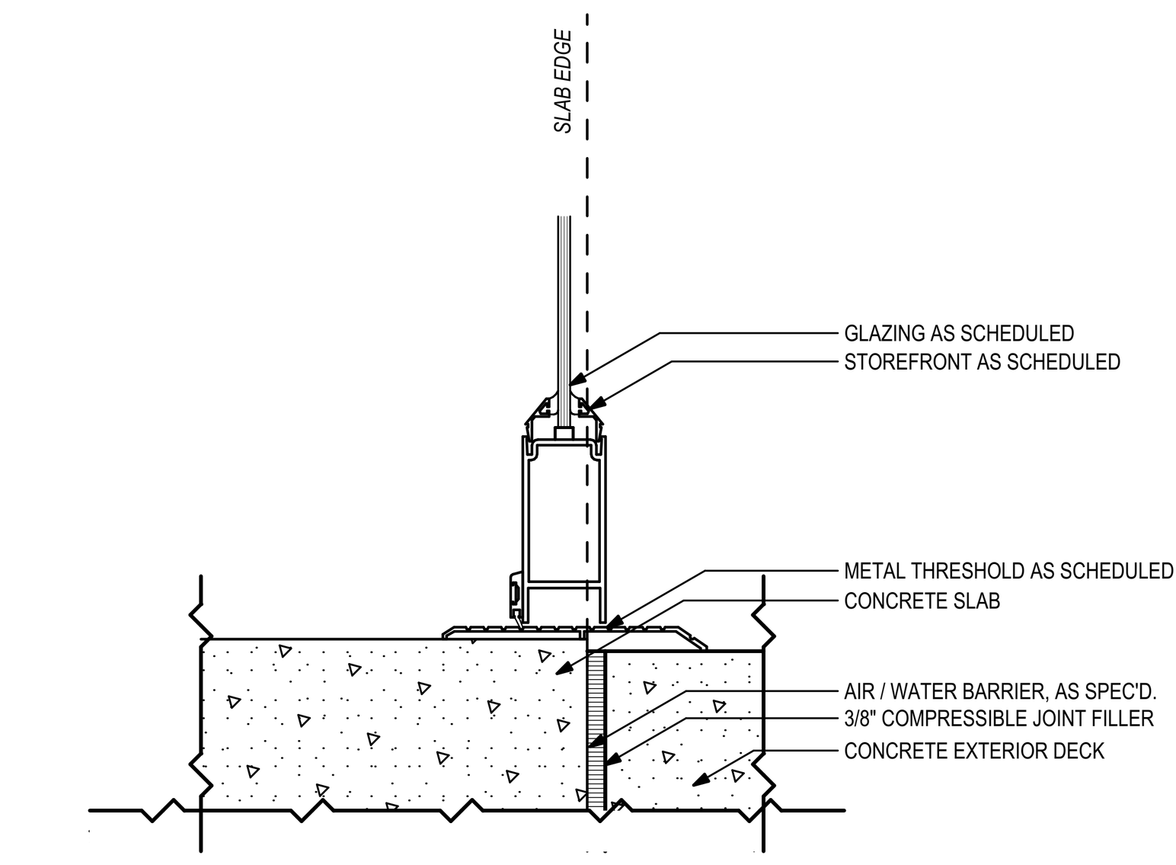
13 Storefront Window Jamb at Concrete Wall Base
3" = 1'-0"



14 Storefront Window Sill - Threshold
3" = 1'-0"



15 Storefront Window Sill at Threshold to Deck
3" = 1'-0"



16 Storefront Door Sill at Threshold to Deck
3" = 1'-0"

DRAWN:	REVIEWED:	DATE:
RS, KS, EE, AK, BG	C. WHITLOCK	07/01/22

PHASE:	DRAWN:	REVIEWED:	DATE:	ID:	REVISION:
DESIGN DEVELOPMENT	RS, KS, AK, EE	C. WHITLOCK	07/26/21	1	ADDENDUM 1
50% CONSTRUCTION DOCUMENTS	RS, KS, AK, EE	C. WHITLOCK	10/07/21		
100% CONSTRUCTION DOCUMENTS	RS, KS, BG, AK, EE	C. WHITLOCK	12/09/21		

Client:
Leon County R&D Authority
Tallahassee, Florida

Job Title:
North Florida Innovation Labs

Consultant:

Seal:

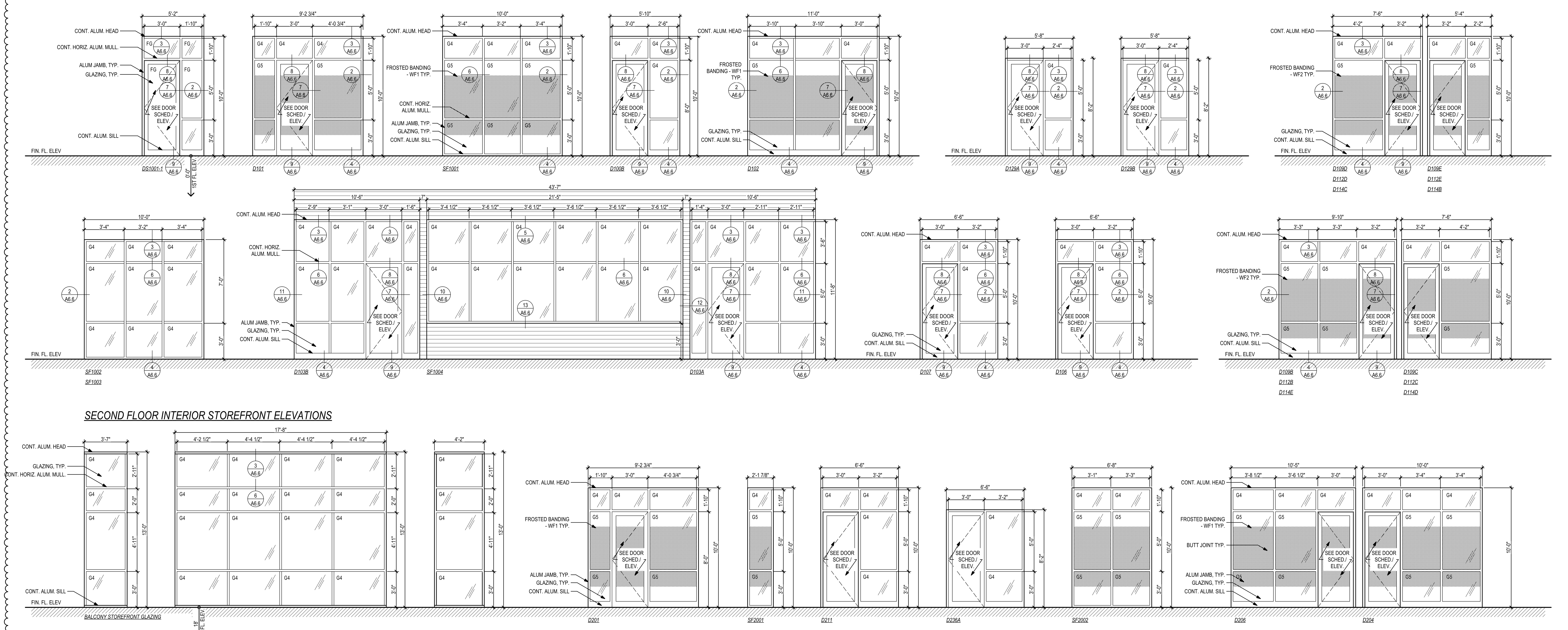
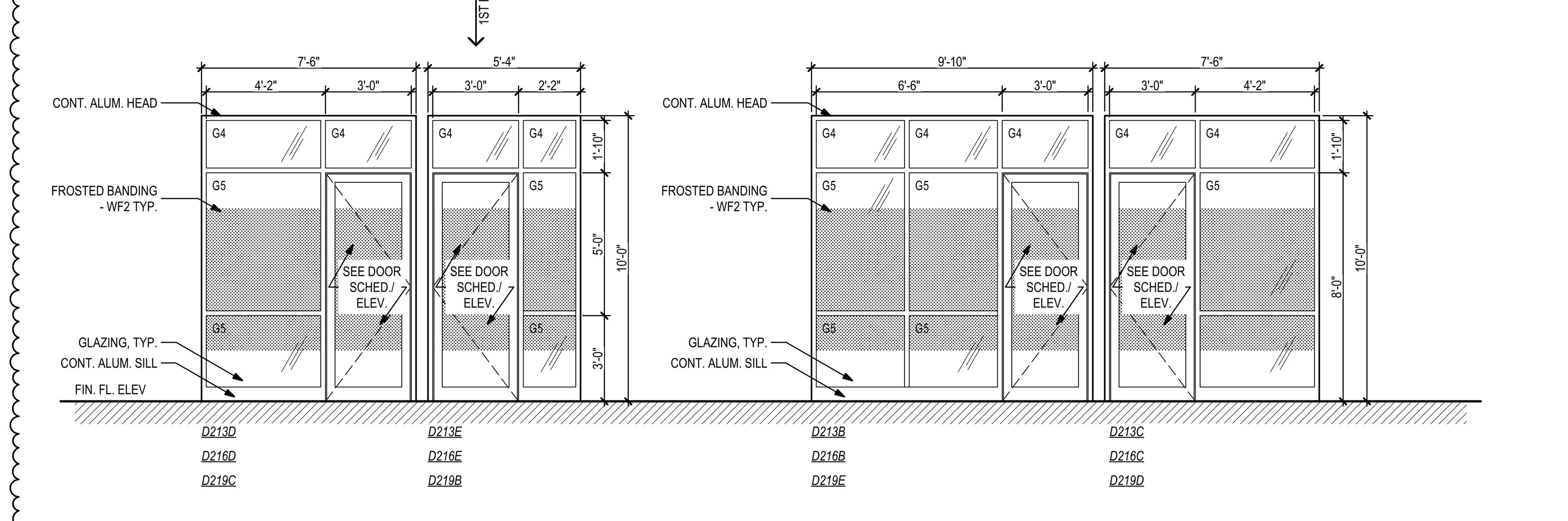
Project #: 21414
Phase: 100% Construction Documents

ALW
Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net

Description:
Exterior Storefront Details

Sheet No.:
A6.5

BIMcloud: Lewis-BIM - BIMcloud Basic for ARCHICAD 24/21414 NFIL Teamwork DD Model|10:13 PM

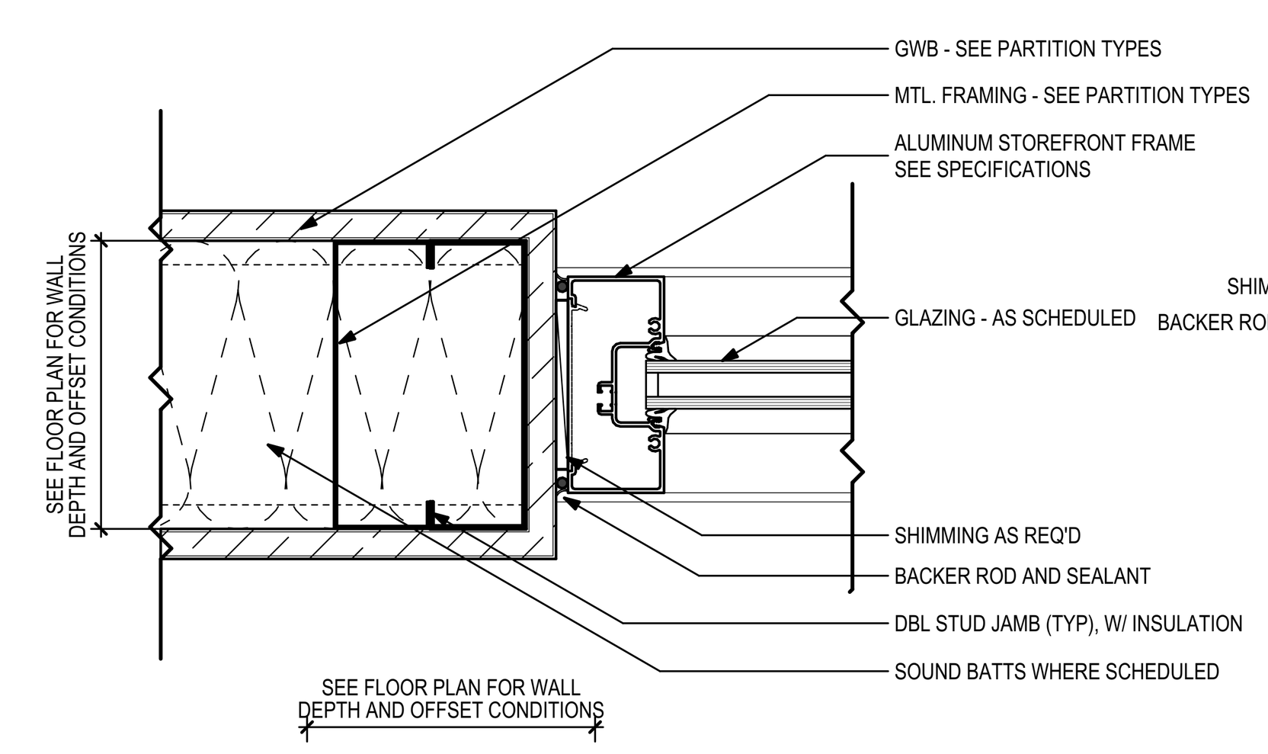



GLAZING SCHEDULE

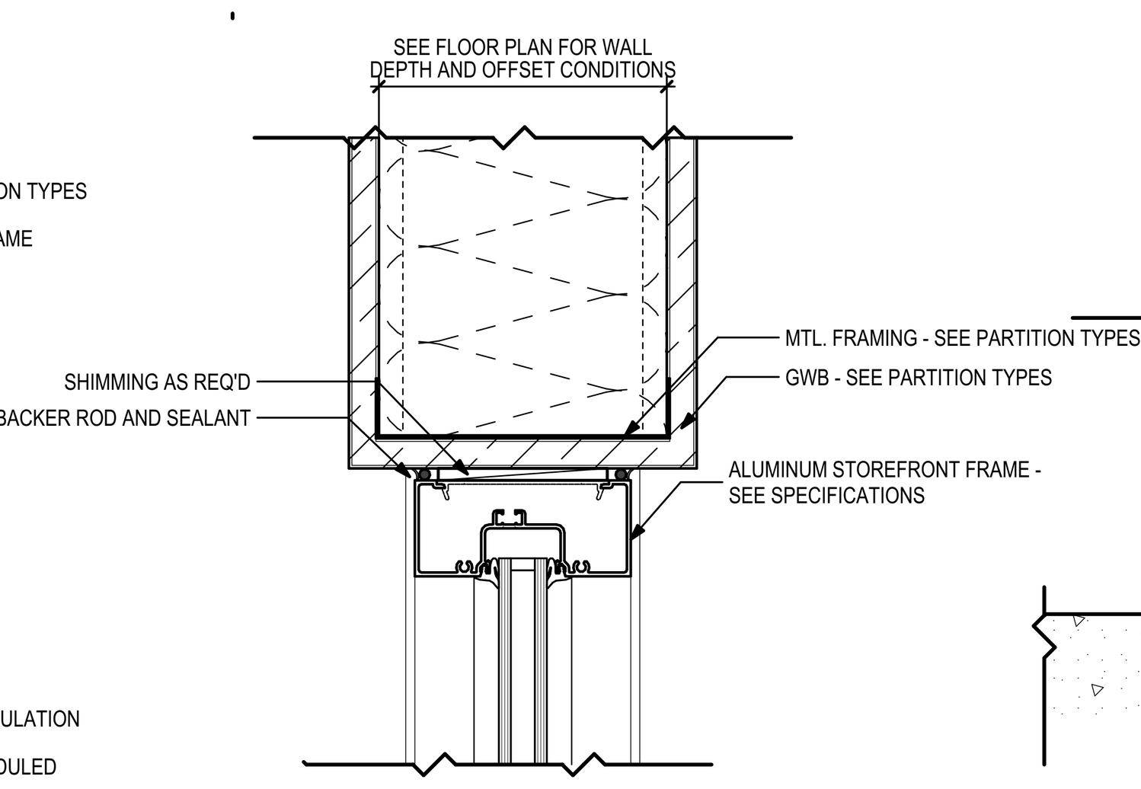
G1	1" INSULATED
G2	1" INSUL./ TEMPERED
G3	1/4" FLOAT GLASS
G4	1/4" TEMPERED
G5	1/4" TEMPERED - FROSTED BANDING WHERE SPECIFIED
G6	1" INSULATED TEMPERED SPANDREL GLASS - COLOR TBD
FG	1/4" FIRE RATED GLASS - 45 MINUTE
FG2	1" INSULATED FIRE RATED GLASS

NOTE:
FOR FIRE RATED DOORS WITH GLASS, SEE DOOR SCHEDULE

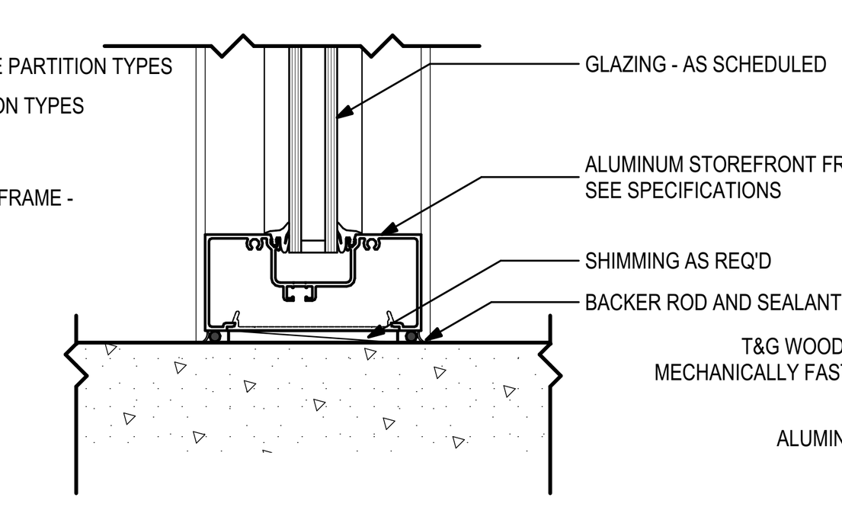
1 Interior Storefront Elevations
1/4" = 1'-0"



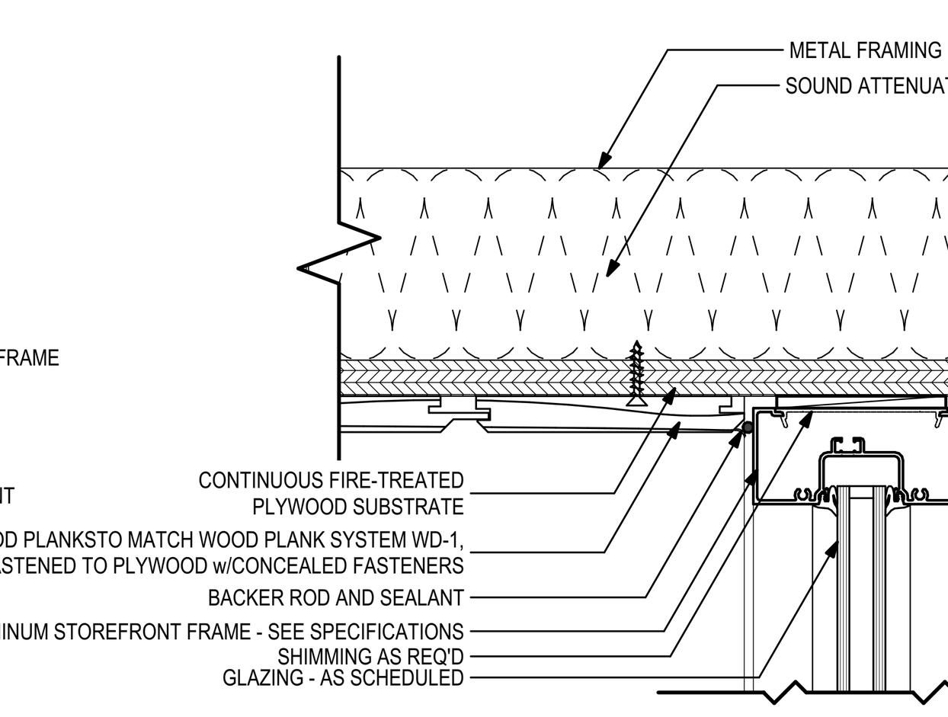
2 Interior SF Jamb
3" = 1'-0"



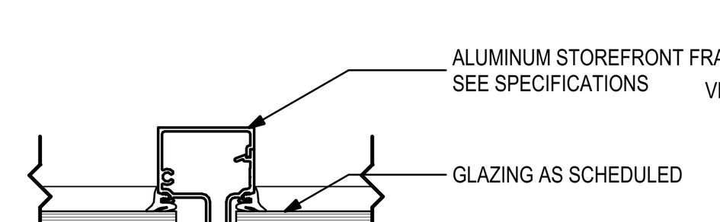
3 Interior Storefront Head
3" = 1'-0"



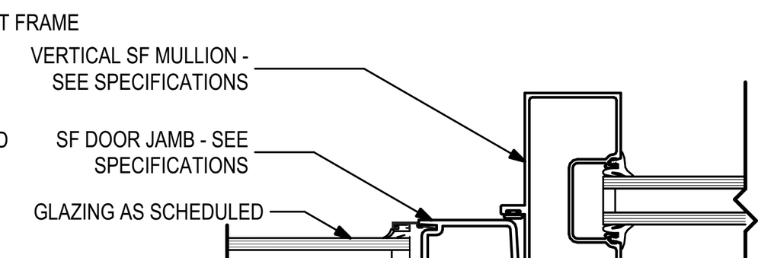
4 Interior Storefront Sill
3" = 1'-0"



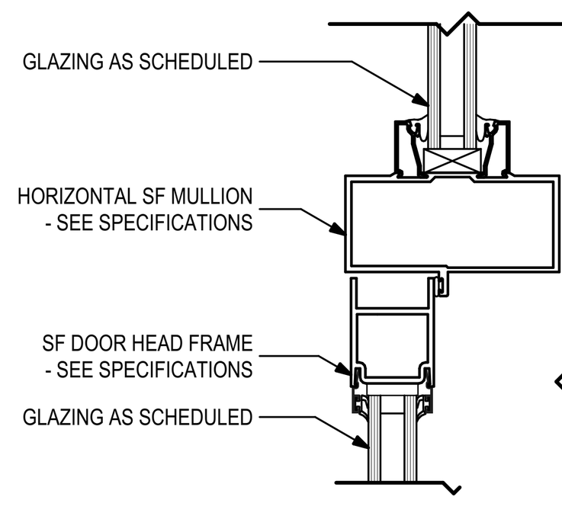
5 Interior SF/ WD Panel Head
3" = 1'-0"



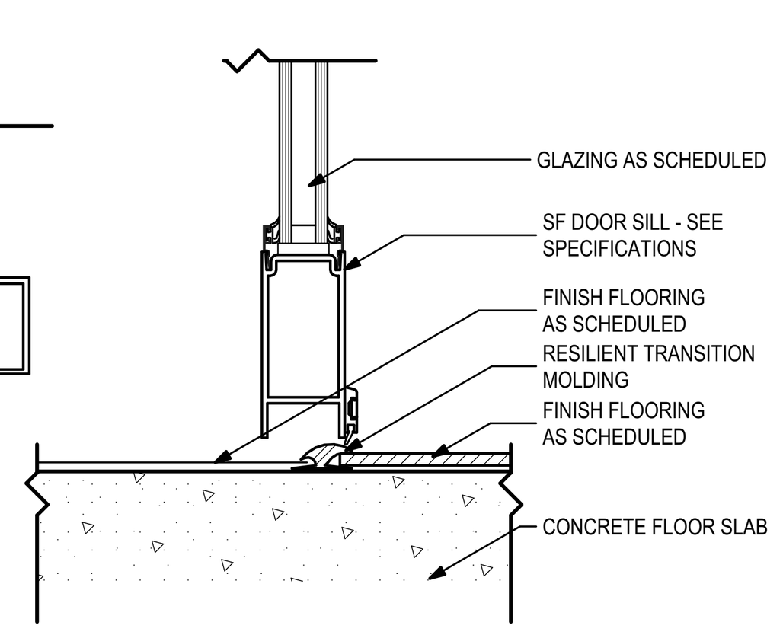
6 Interior SF Horizontal Mullion
3" = 1'-0"



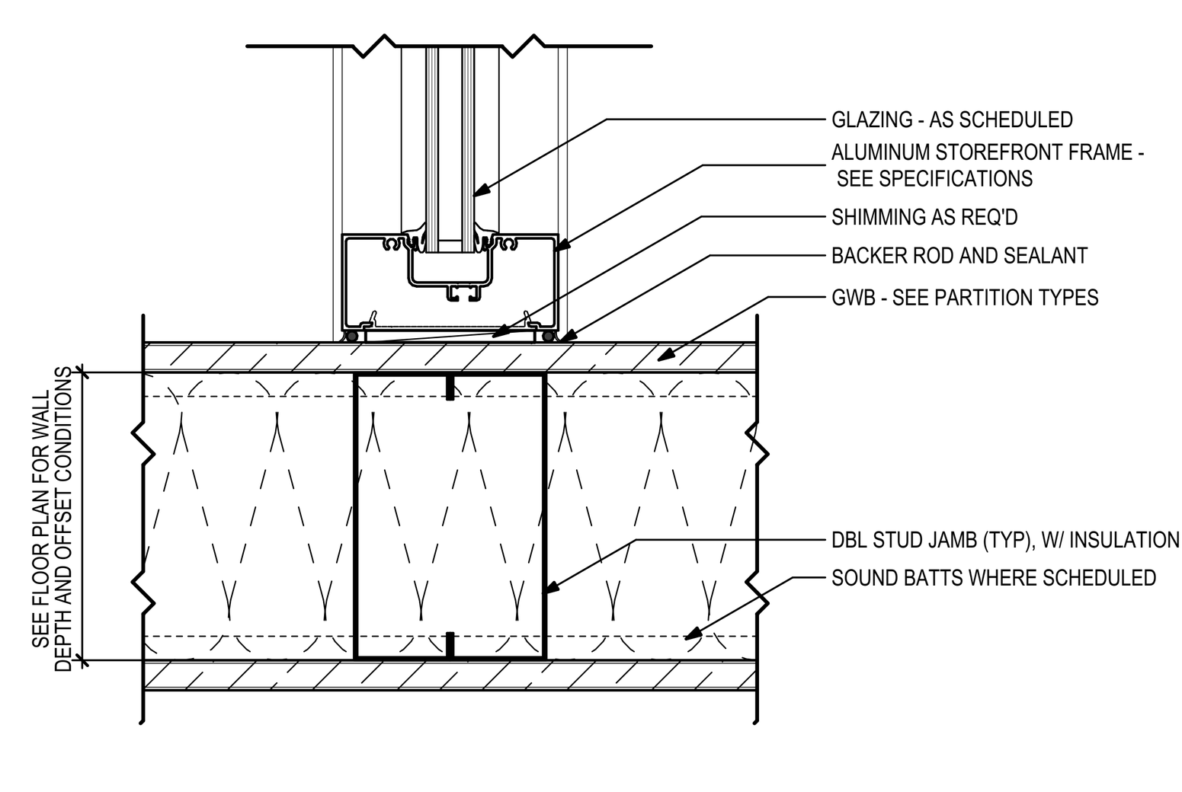
7 Interior SF Door Jamb
3" = 1'-0"



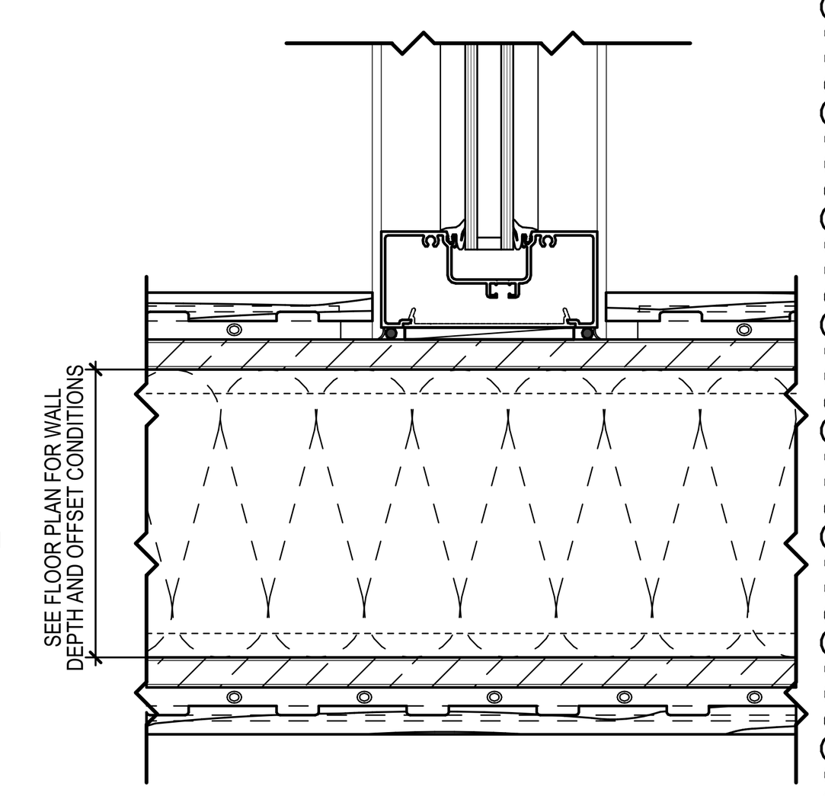
8 Interior SF Door Head
3" = 1'-0"



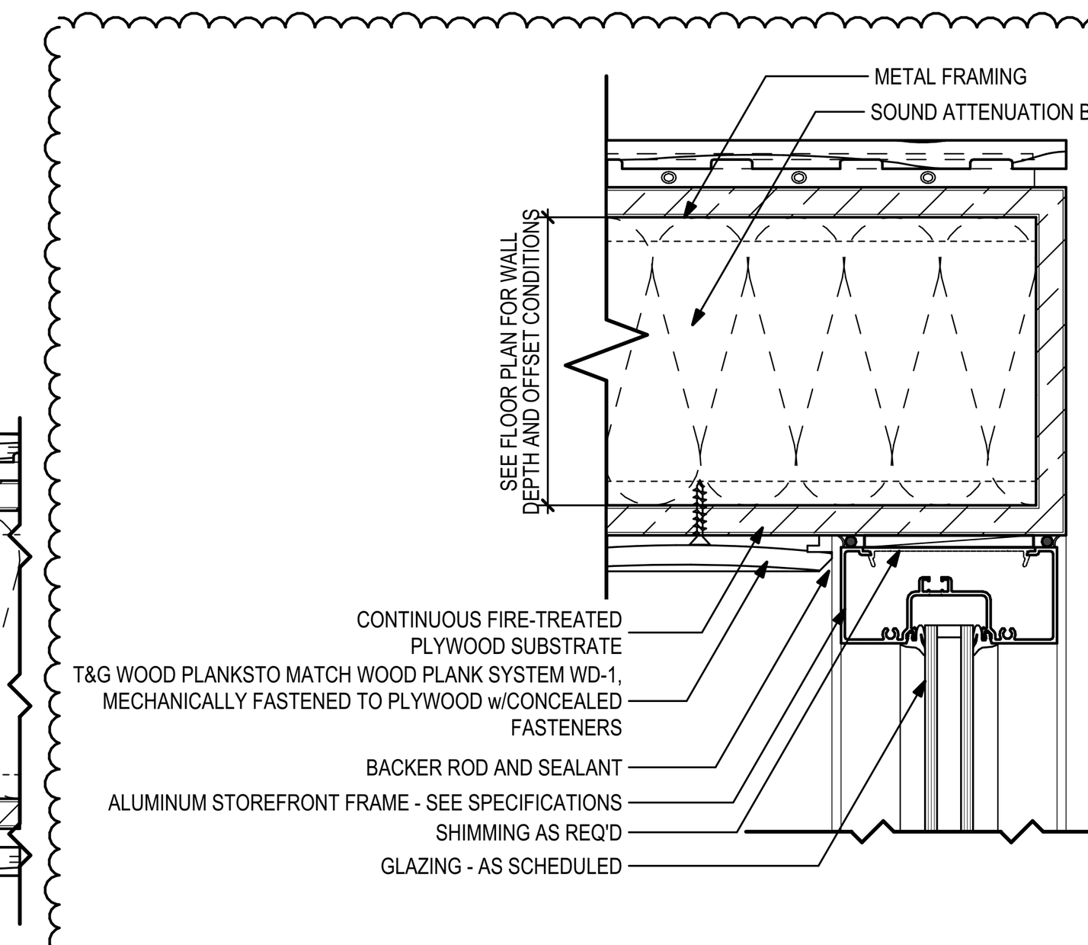
9 Interior SF Door Threshold
3" = 1'-0"



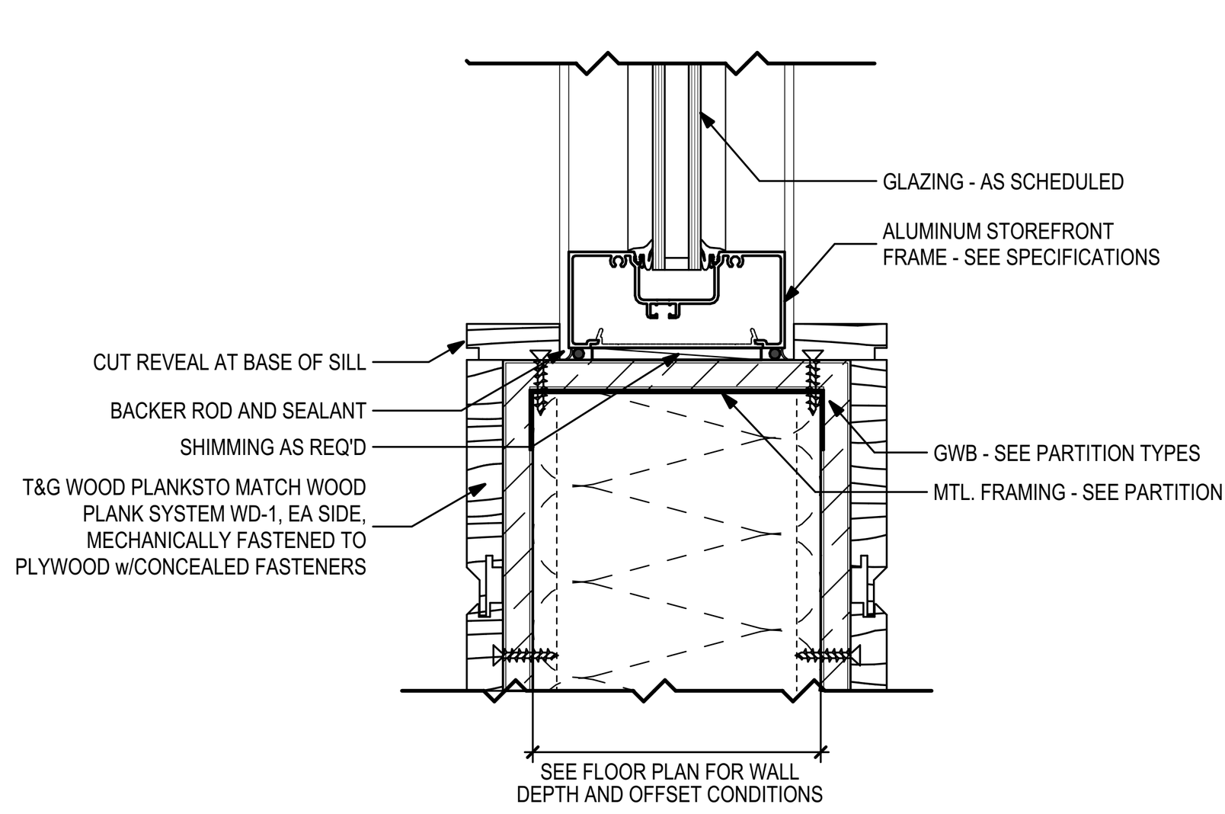
11 Interior Storefront Jamb
3" = 1'-0"



10 Interior SF/ WD. Panel Jamb
3" = 1'-0"



12 Interior SF/ WD. Panel Jamb
3" = 1'-0"



13 Interior SF/ WD. Panel Sill
3" = 1'-0"

ID:	REVISION:	DRAWN:	REVIEWED:	DATE:
1	ADDENDUM 1	RS, KS, EE, AK, BG	C. WHITLOCK	01/10/22

PHASE:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT	RS, KS, AK, EE	C. WHITLOCK	07/30/21
50% CONSTRUCTION DOCUMENTS	RS, KS, AK, EE	C. WHITLOCK	10/07/21
100% CONSTRUCTION DOCUMENTS	RS, KS, BG, AK, EE	C. WHITLOCK	12/09/21

Client:
Leon County R&D Authority
Tallahassee, Florida

Job Title:
North Florida Innovation Labs

Consultant:

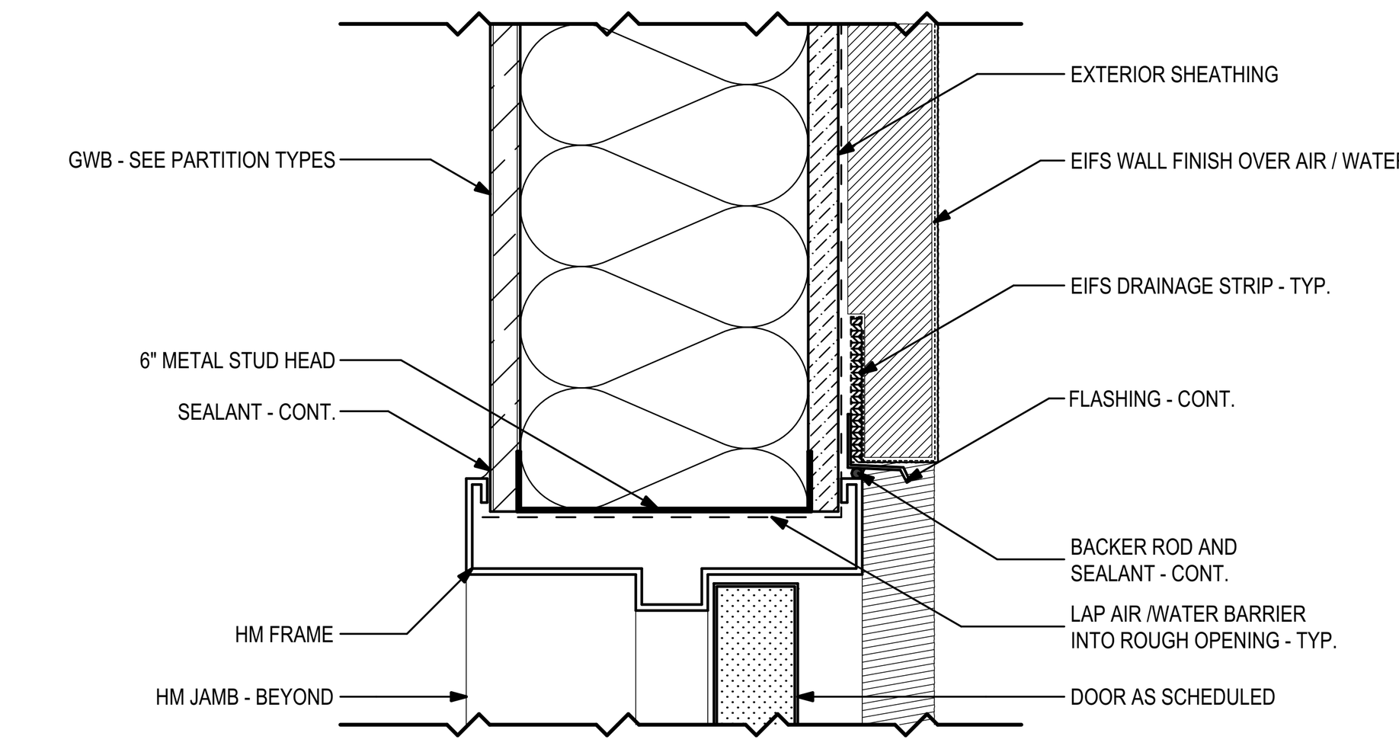
Seal:

Project #: 21414
Phase: 100% Construction Documents

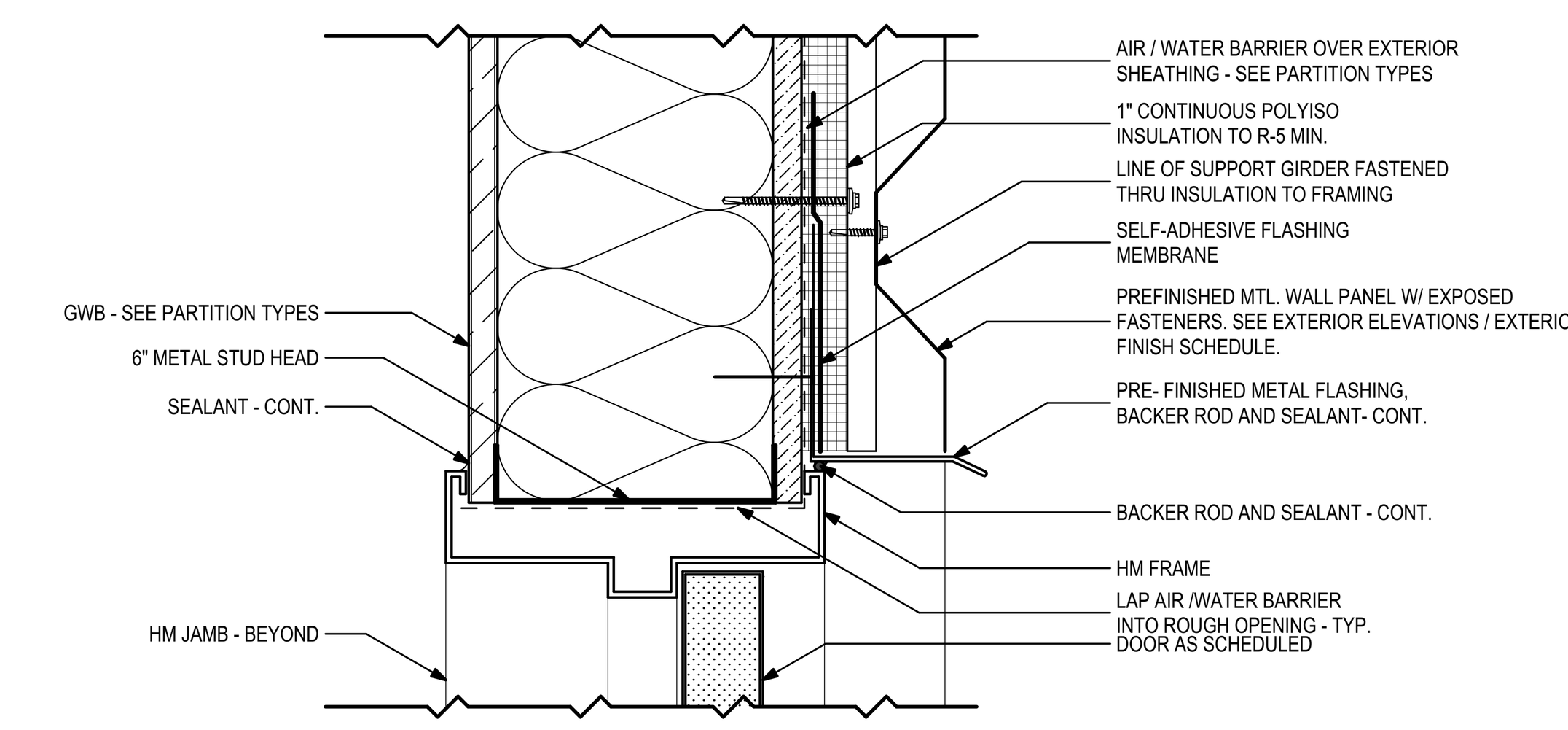
ALW
Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850,942.1718
www.think3d.net

Description:
Interior Storefront Elevations and Details

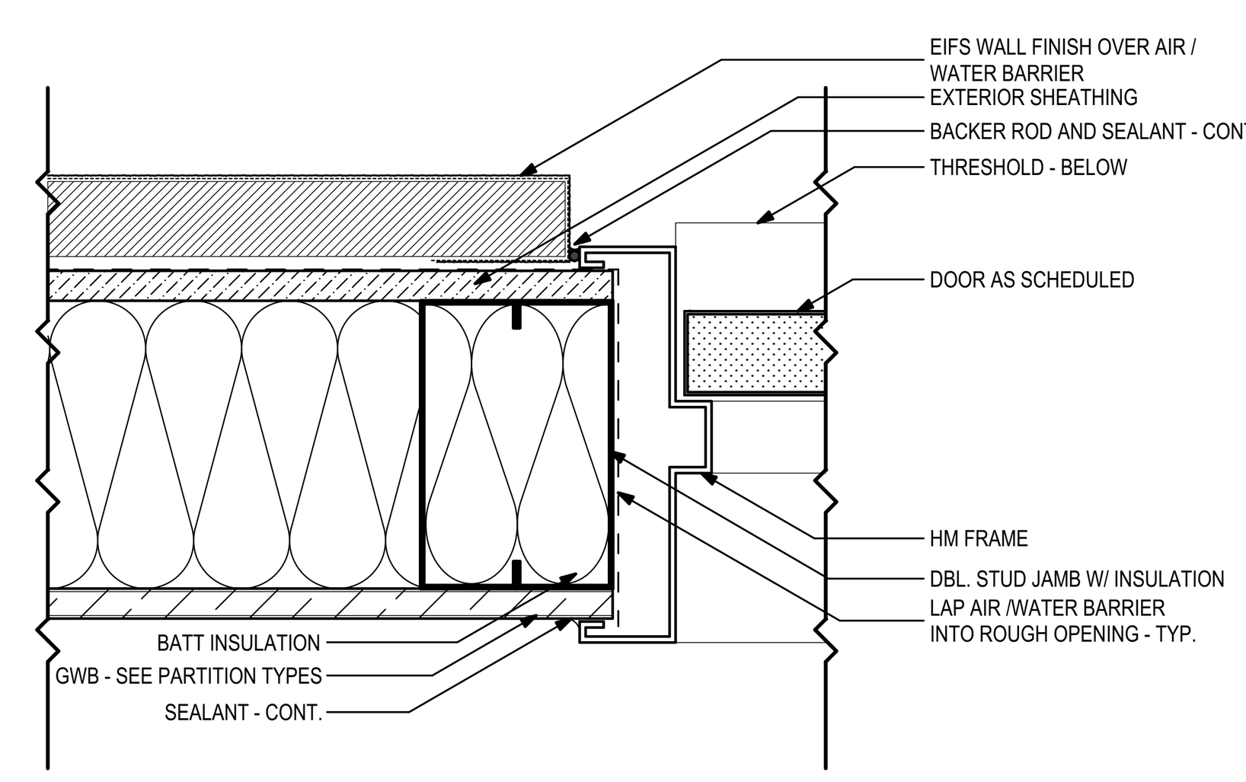
Sheet No.:
A6.6



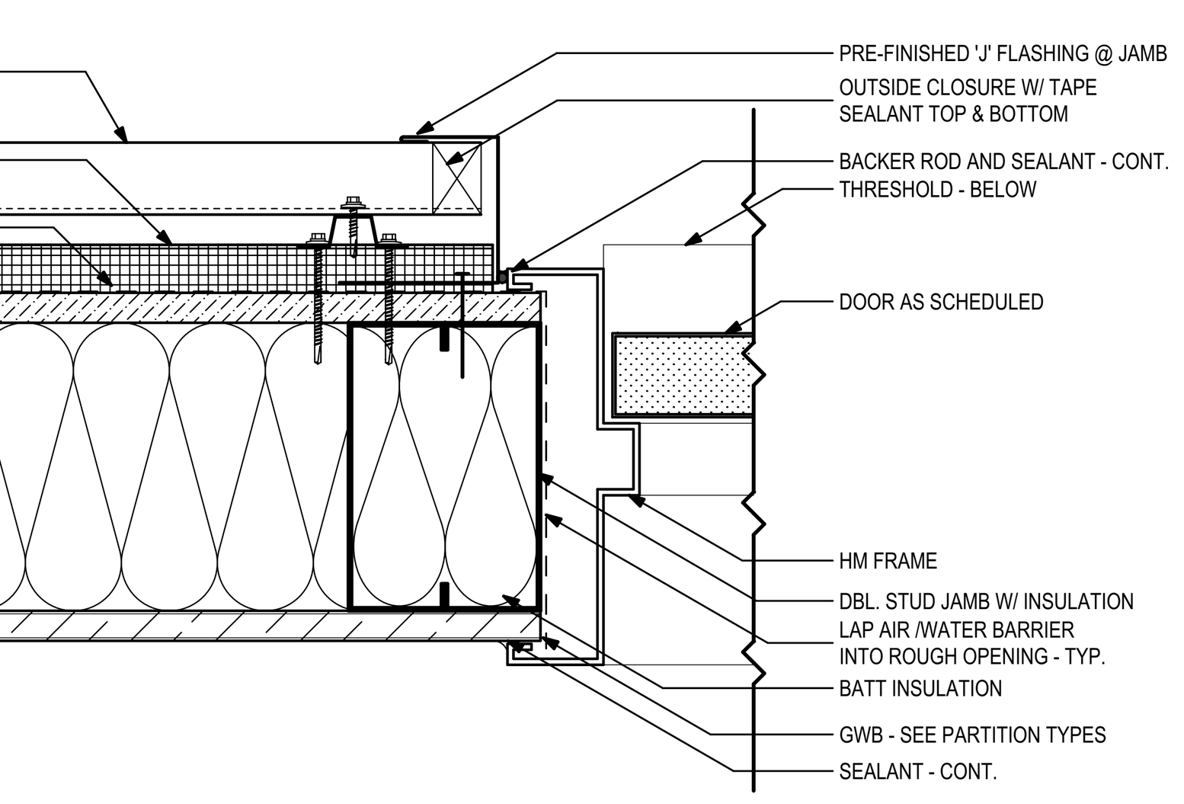
1 HM Door Head - 6" Mtl. Stud EIFS
3" = 1'-0"



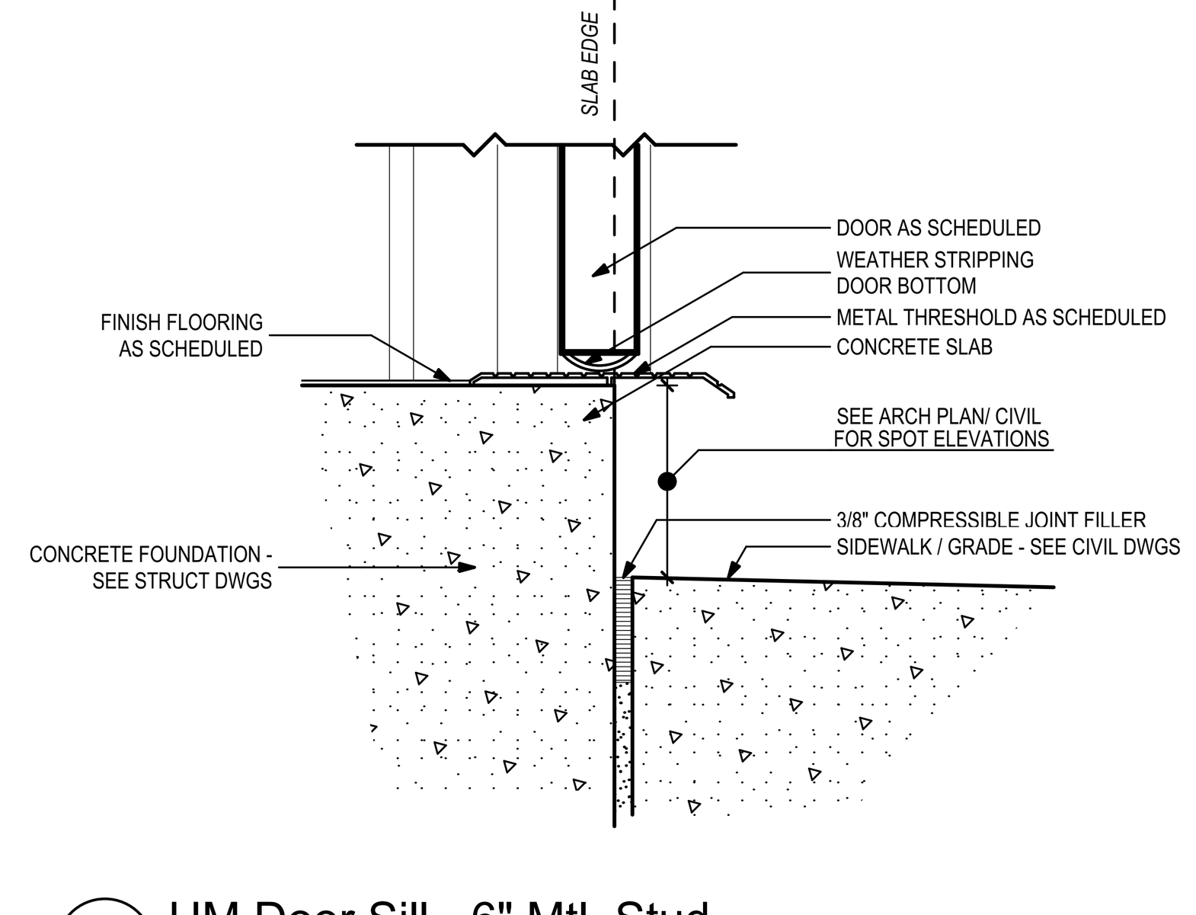
2 HM Door Head - 6" Mtl. Stud Mtl. Panel
3" = 1'-0"



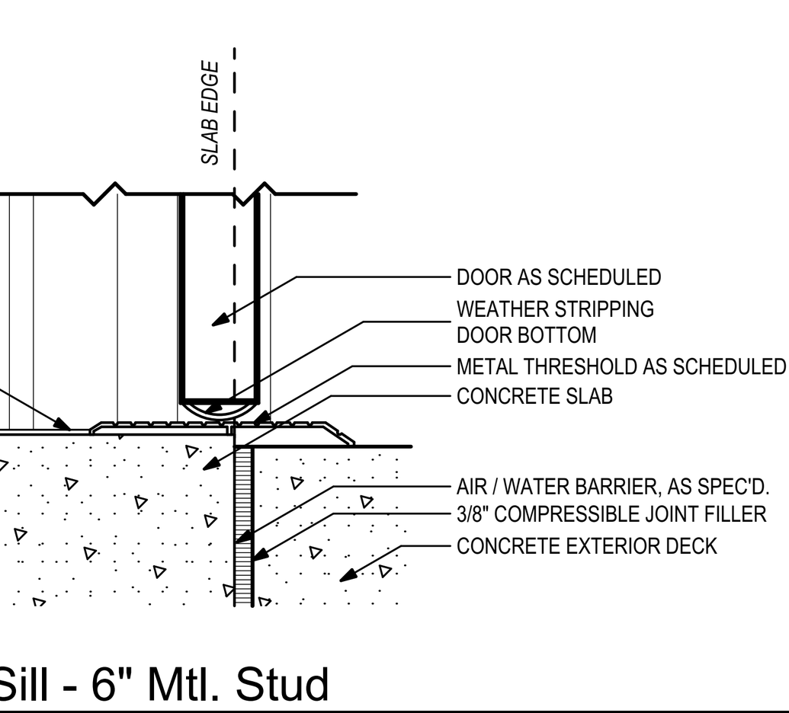
3 HM Door Jamb - 6" Mtl. Stud EIFS
3" = 1'-0"



4 HM Door Jamb - 6" Mtl. Stud Mtl. Panel
3" = 1'-0"



6 HM Door Sill - 6" Mtl. Stud
3" = 1'-0"



5 HM Door Sill - 6" Mtl. Stud
3" = 1'-0"

BIMcloud: Lewis-BIM - BIMcloud Basic for ARCHICAD 24/21414 NFIL Teamwork DD Model10:14 PM

ID:	REVISION:	DRAWN:	REVIEWED:	DATE:

PHASE:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT	RS, KS, AK, EE	C. WHITLOCK	07/30/21
50% CONSTRUCTION DOCUMENTS	RS, KS, AK, EE	C. WHITLOCK	10/07/21
100% CONSTRUCTION DOCUMENTS	RS, KS, BG, AK, EE	C. WHITLOCK	12/09/21

Client:
Leon County R&D Authority
Tallahassee, Florida

Job Title:
North Florida Innovation Labs

Seal:

Consultant:

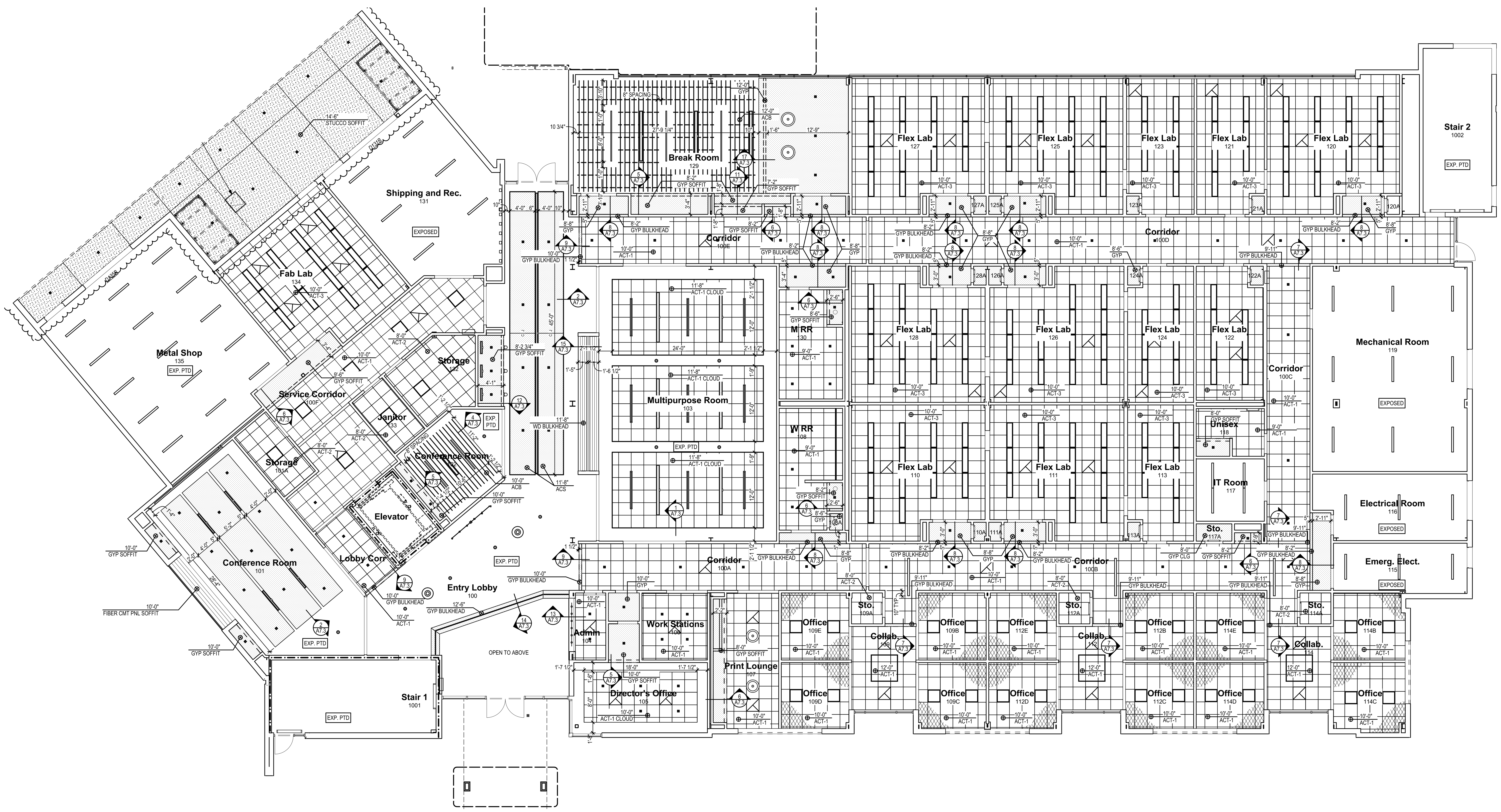
Project #: 21414
Phase: 100% Construction Documents

ALW
Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net

Description:
Exterior Door Details

Sheet No.:
A6.7

BIMcloud: Lewis-BIM - BIMcloud Basic for ARCHICAD 24/21414 NFIL Teamwork DD Model|10:14 PM



1 Ground Floor Reflected Ceiling Plan
1/8" = 1'-0"

CEILING FINISH LEGEND

LEGEND	NAME	DESCRIPTION
	GYP	**GYPSUM BOARD**
	ACT	**ACOUSTICAL CEILING TILE**
	SAB	**SOUND ATTENUATION BATTS** *IN ROOMS NOTED TO RECEIVED SAB, PROVIDE CONTINUOUS INSULATION ABOVE CEILING FROM WALL TO WALL*
	WD	**WOOD PLANK SYSTEM**
	ACB	**ACOUSTICAL CEILING BLADES**

FIXTURE LEGEND

LEGEND	DESCRIPTION
	48" STRIPLIGHT PENDANT
	1' x 4' LED FLAT PANEL
	2' x 2' LED FLAT PANEL
	RECESSED DOWNLIGHT
	SUSPENDED LINEAR FIXTURE
	RECESSED LINEAR FIXTURE
	SQUARE PENDANT FIXTURE
	LINEAR WALL MOUNT FIXTURE
	VANITY SCONCE FIXTURE *VERTICAL INSTALLATION*
	DECORATIVE PENDANT FIXTURE
	CEILING MOUNT FIXTURE
	CYLINDER PENDANT FIXTURE
	ROUND AIR DIFFUSER
	SQUARE AIR DIFFUSER
	LINEAR SLOT DIFFUSER

PHASE:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT	RS, KS, AK, EE	C. WHITLOCK	07/30/21
50% CONSTRUCTION DOCUMENTS	RS, KS, AK, EE	C. WHITLOCK	10/07/21
100% CONSTRUCTION DOCUMENTS	RS, KS, BG, AK, EE	C. WHITLOCK	12/09/21

ID:	REVISION:	DRAWN:	REVIEWED:	DATE:
1	ADDENDUM 1	RS, KS, EE, AK, BG	C. WHITLOCK	01/10/22

Client:
Leon County R&D Authority
Tallahassee, Florida

Job Title:
North Florida Innovation Labs

Consultant:

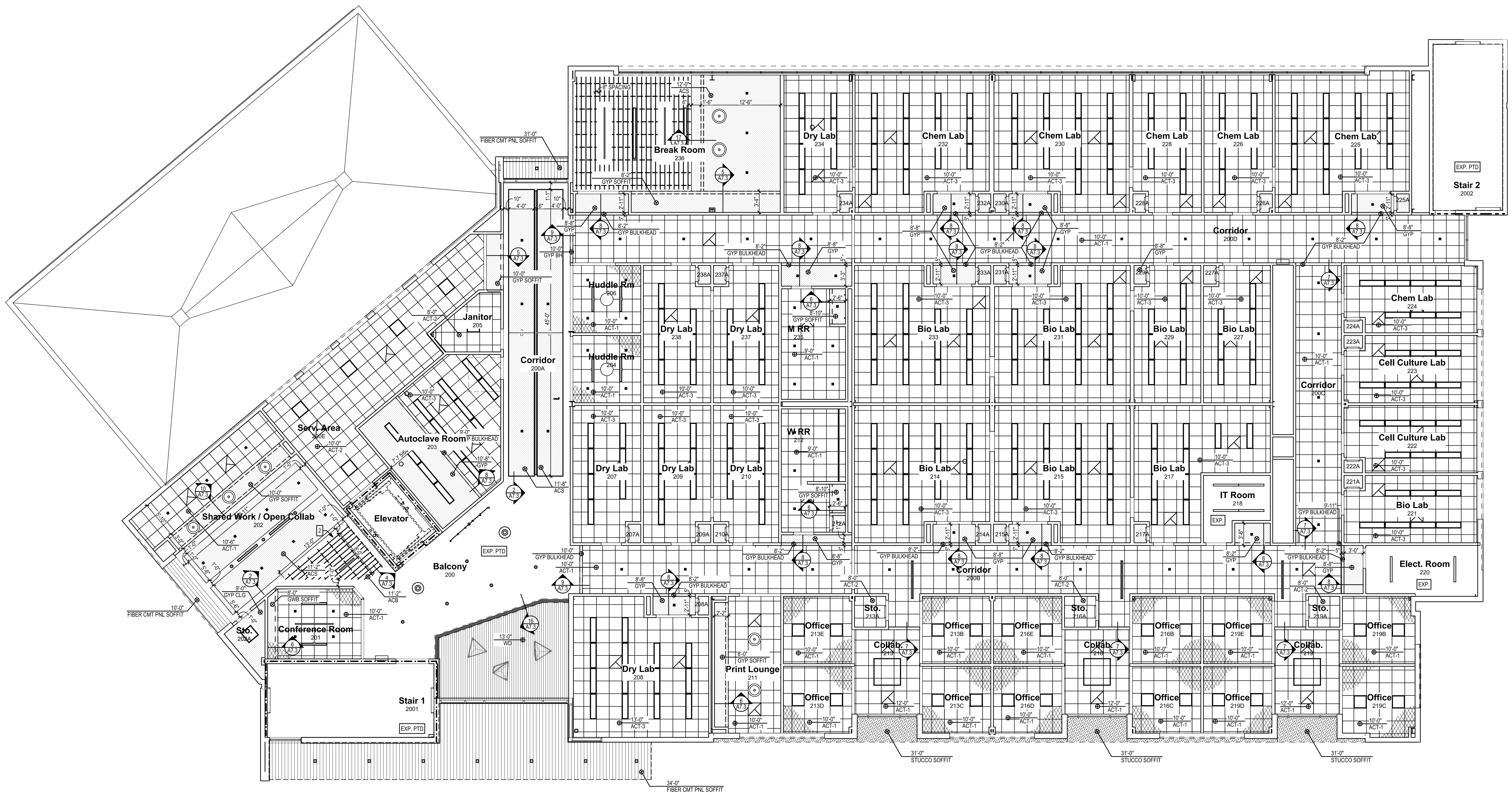
Seal:

Project #: 21414
Phase: 100% Construction Documents

ALW
Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850,942.1718
www.think3d.net

Description:
Ground Floor Reflected Ceiling Plan

Sheet No.:
A7.1



1 Second Floor Reflected Ceiling Plan
1/8" = 1'-0"

CEILING FINISH LEGEND

LEGEND	NAME	DESCRIPTION
	GYP	**GYPSUM BOARD**
	ACT	**ACOUSTICAL CEILING TILE**
	SAB	**SOUND ATTENUATION BATTS** *IN ROOMS NOTED TO RECEIVED SAB, PROVIDE CONTINUOUS INSULATION ABOVE CEILING FROM WALL TO WALL*
	WD	**WOOD PLANK SYSTEM**
	ACB	**ACOUSTICAL CEILING BLADES**

FIXTURE LEGEND

LEGEND	DESCRIPTION
	48" STRIPLIGHT PENDANT
	1' x 4' LED FLAT PANEL
	2' x 2' LED FLAT PANEL
	RECESSED DOWNLIGHT
	SUSPENDED LINEAR FIXTURE
	RECESSED LINEAR FIXTURE
	SQUARE PENDANT FIXTURE
	LINEAR WALL MOUNT FIXTURE
	VANITY SCONCE FIXTURE *VERTICAL INSTALLATION*
	DECORATIVE PENDANT FIXTURE
	CEILING MOUNT FIXTURE
	CYLINDER PENDANT FIXTURE
	ROUND AIR DIFFUSER
	SQUARE AIR DIFFUSER
	LINEAR SLOT DIFFUSER

ID:	REVISION:	DRAWN:	REVIEWED:	DATE:

PHASE:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT	RS, KS, AK, EE	C. WHITLOCK	07/30/21
50% CONSTRUCTION DOCUMENTS	RS, KS, AK, EE	C. WHITLOCK	10/07/21
100% CONSTRUCTION DOCUMENTS	RS, KS, BG, AK, EE	C. WHITLOCK	12/09/21

Client:
Leon County R&D Authority
Tallahassee, Florida

Job Title:
North Florida Innovation Labs

Consultant:

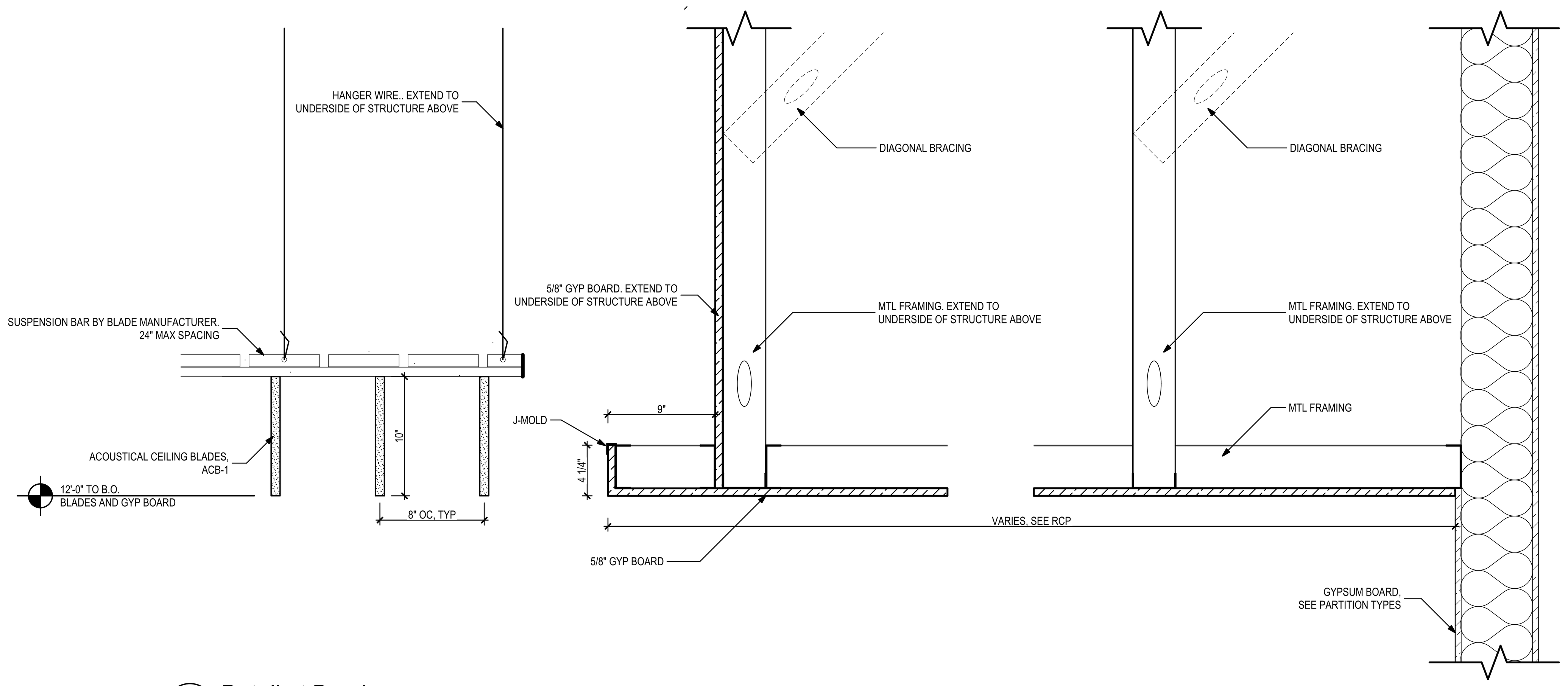
Seal:

Project #: 21414
Phase: 100% Construction Documents

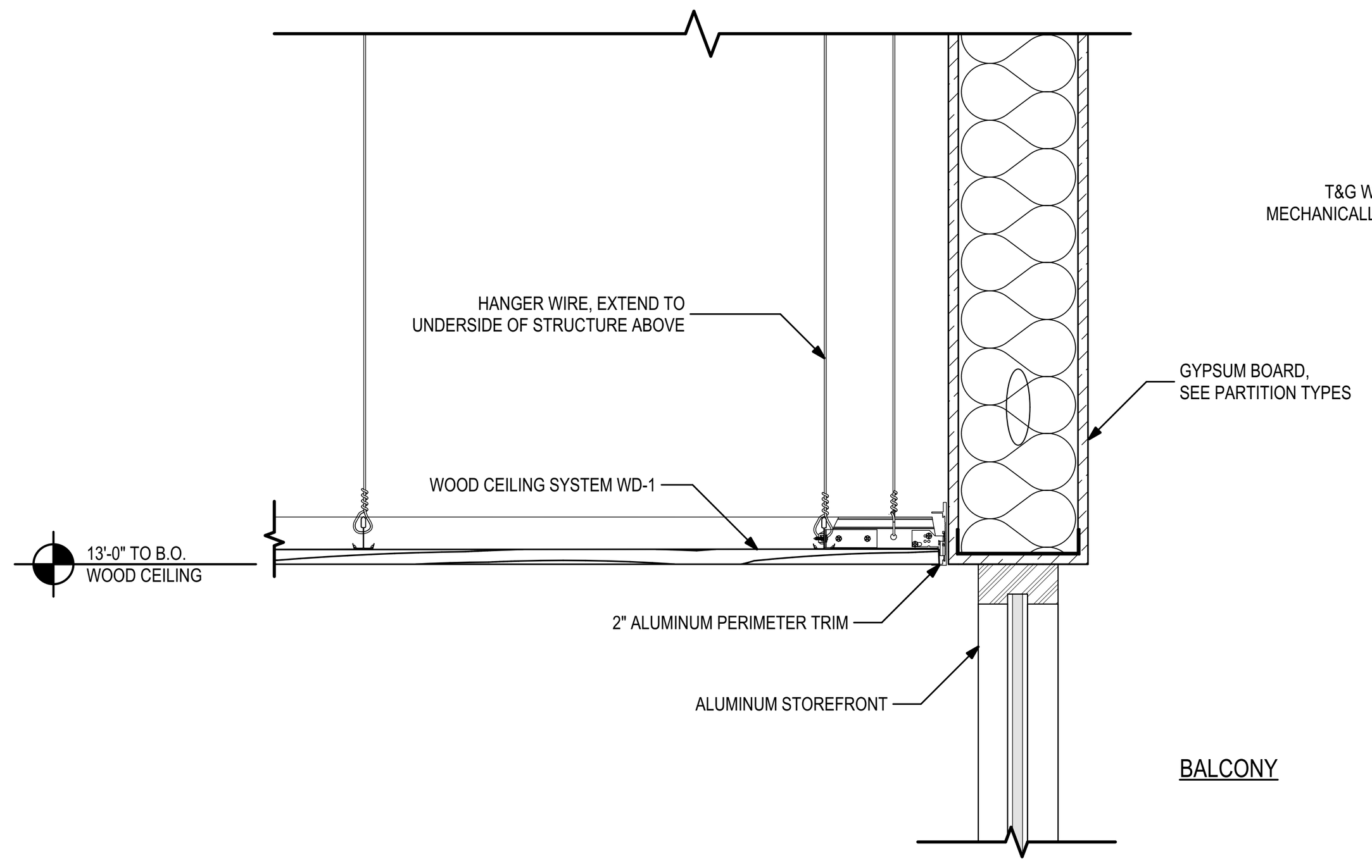
ALW
Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net

Description:
Second Floor Reflected Ceiling Plan

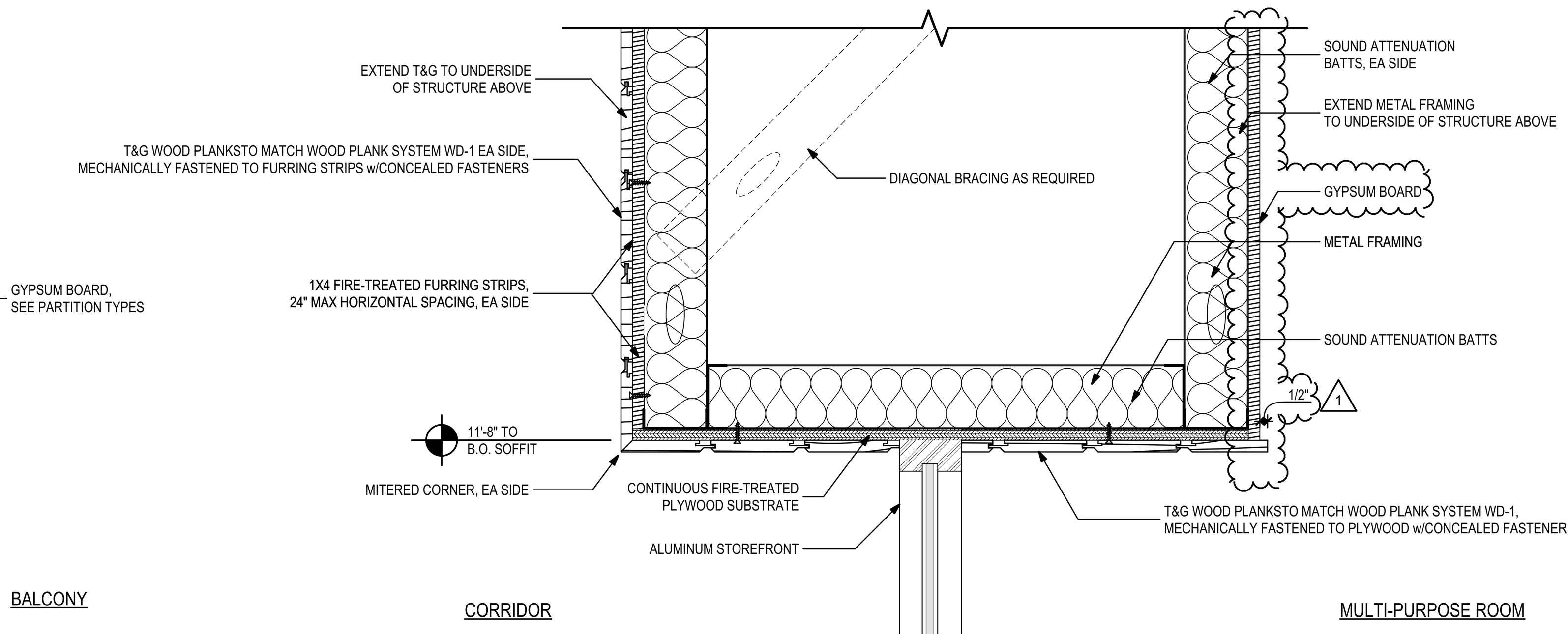
Sheet No.:
A7.2



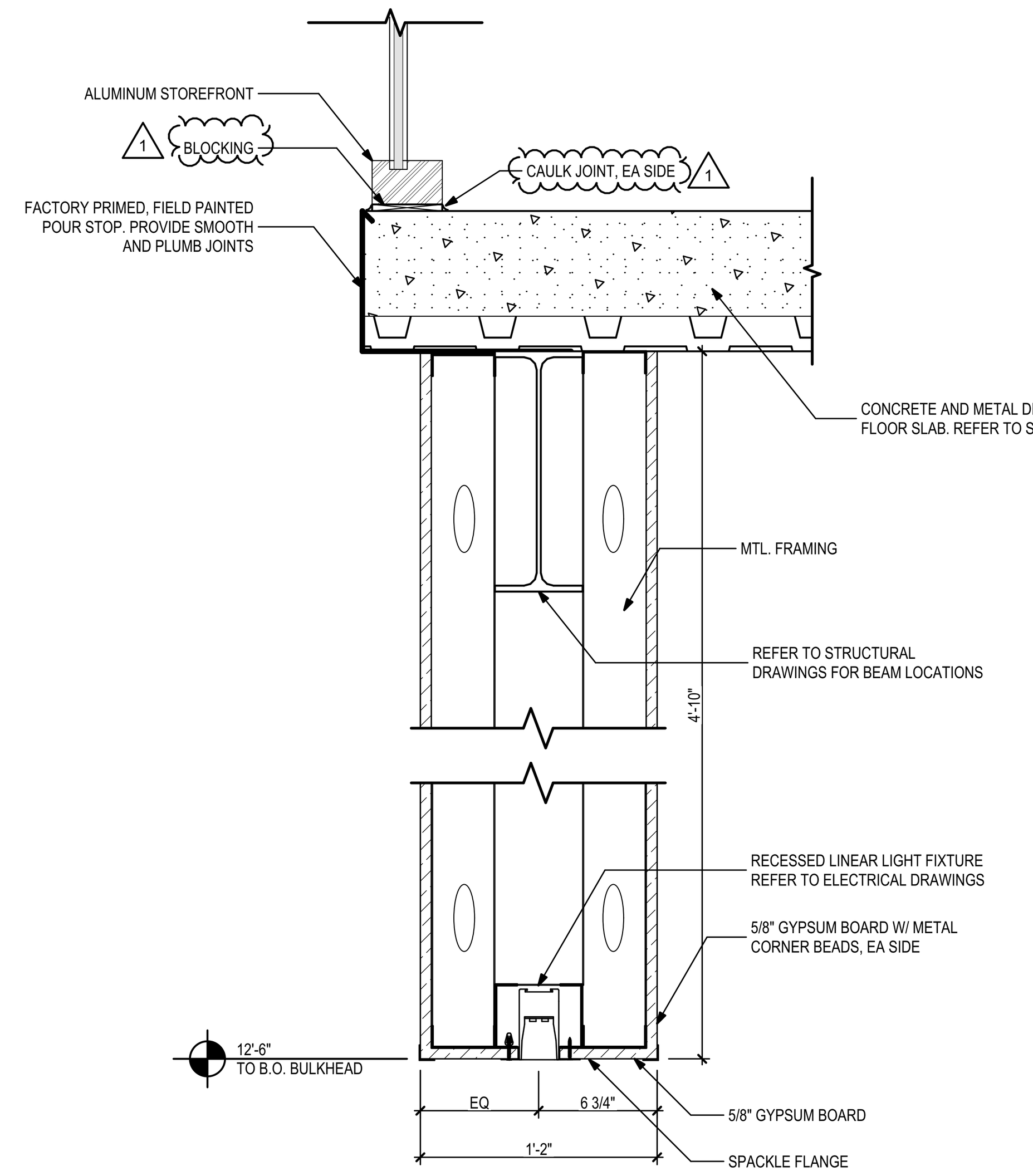
17 Detail at Breakrooms
1 1/2"= 1'-0"



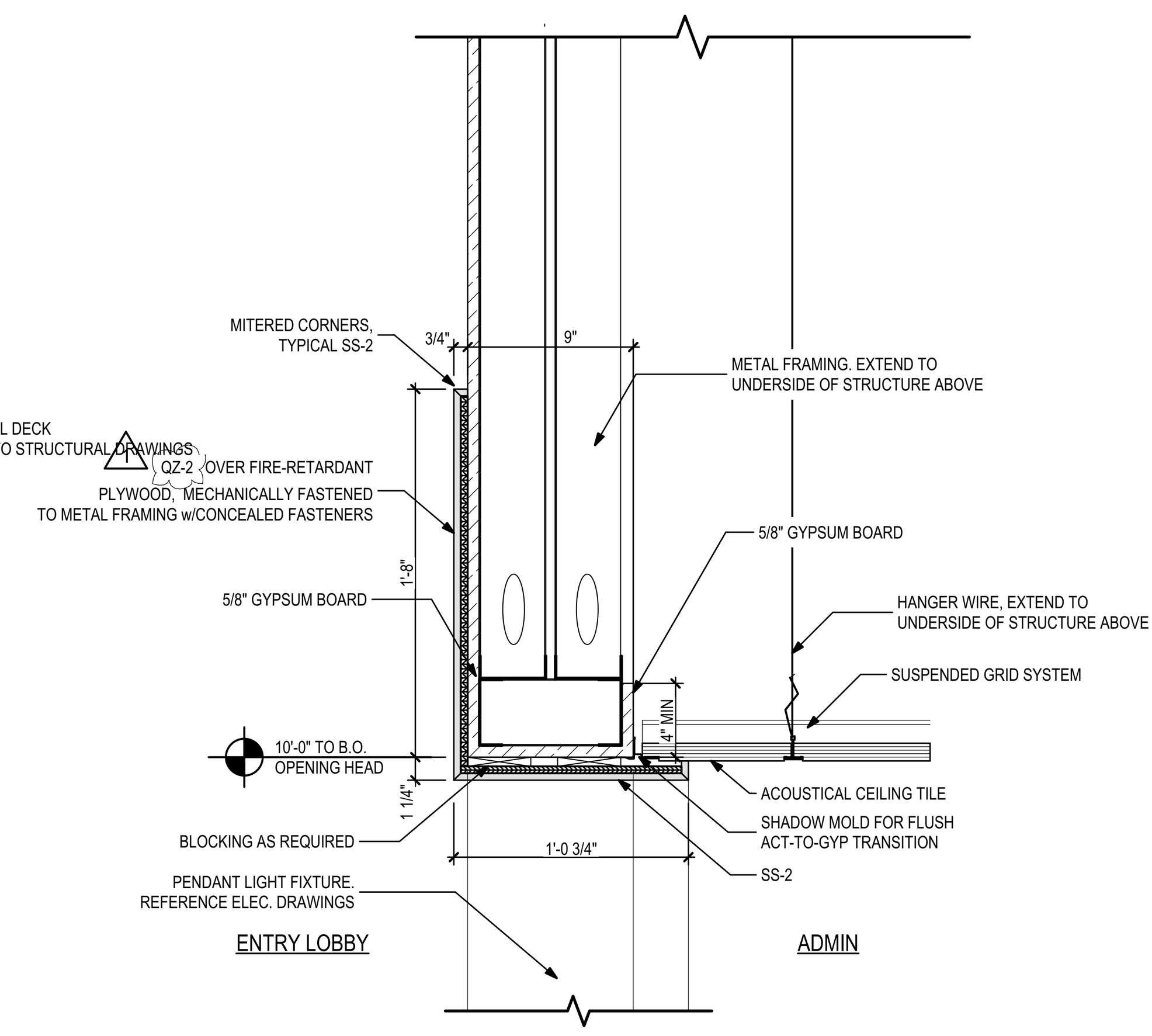
16 Wood Ceiling Detail
1 1/2"= 1'-0"



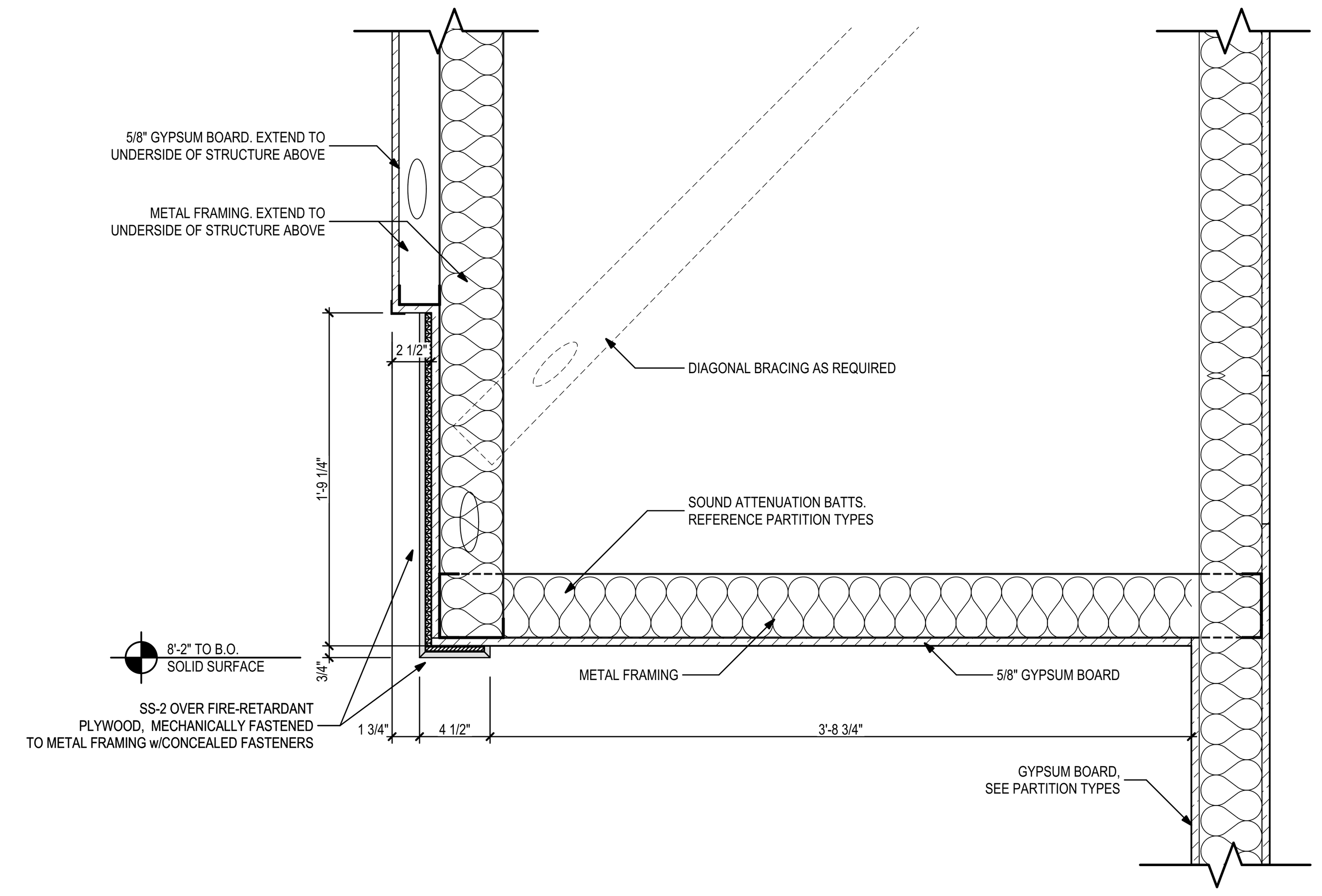
15 Wood Soffit Detail
1 1/2"= 1'-0"



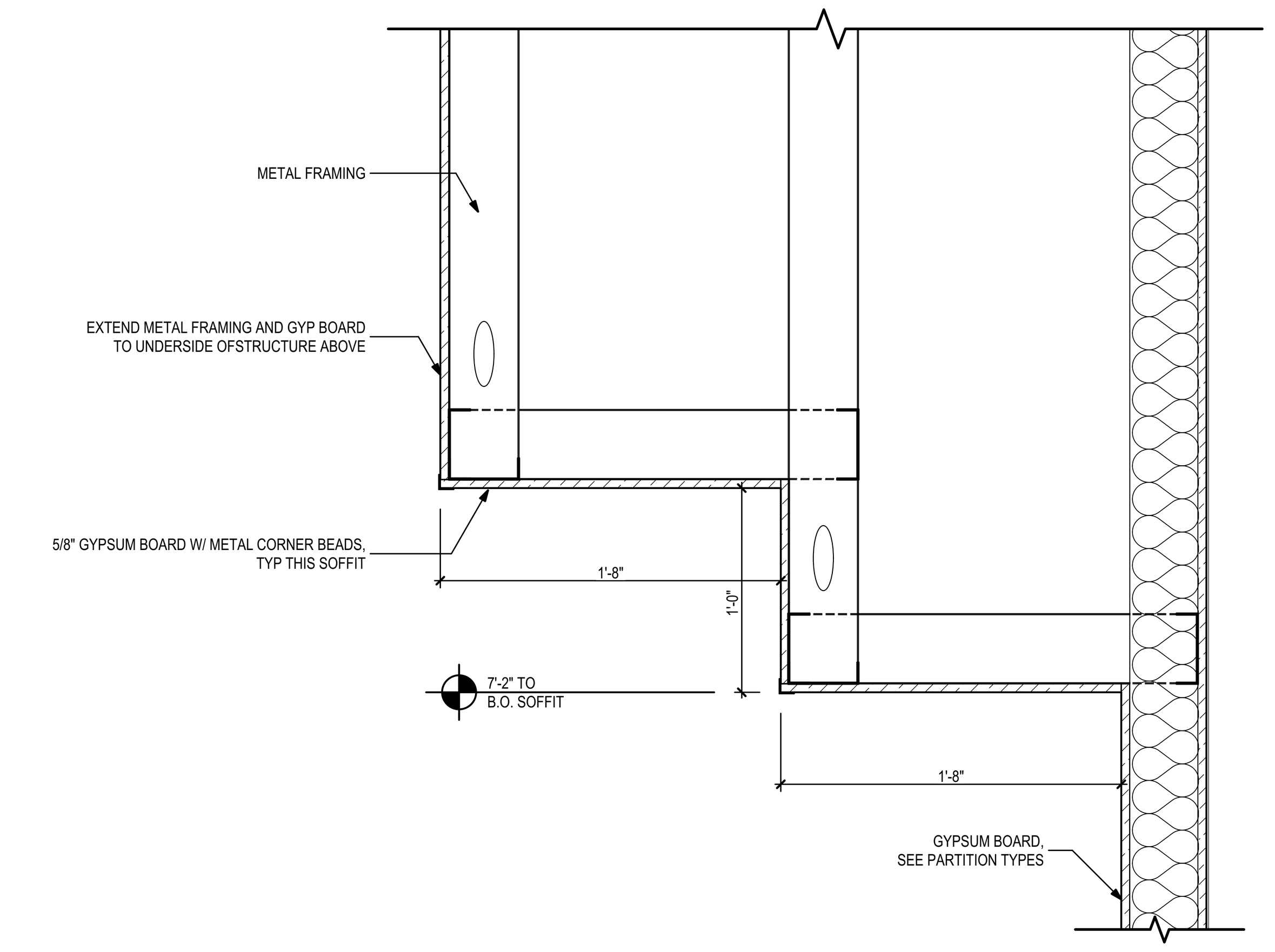
14 Balcony Bulkhead Detail
1 1/2"= 1'-0"



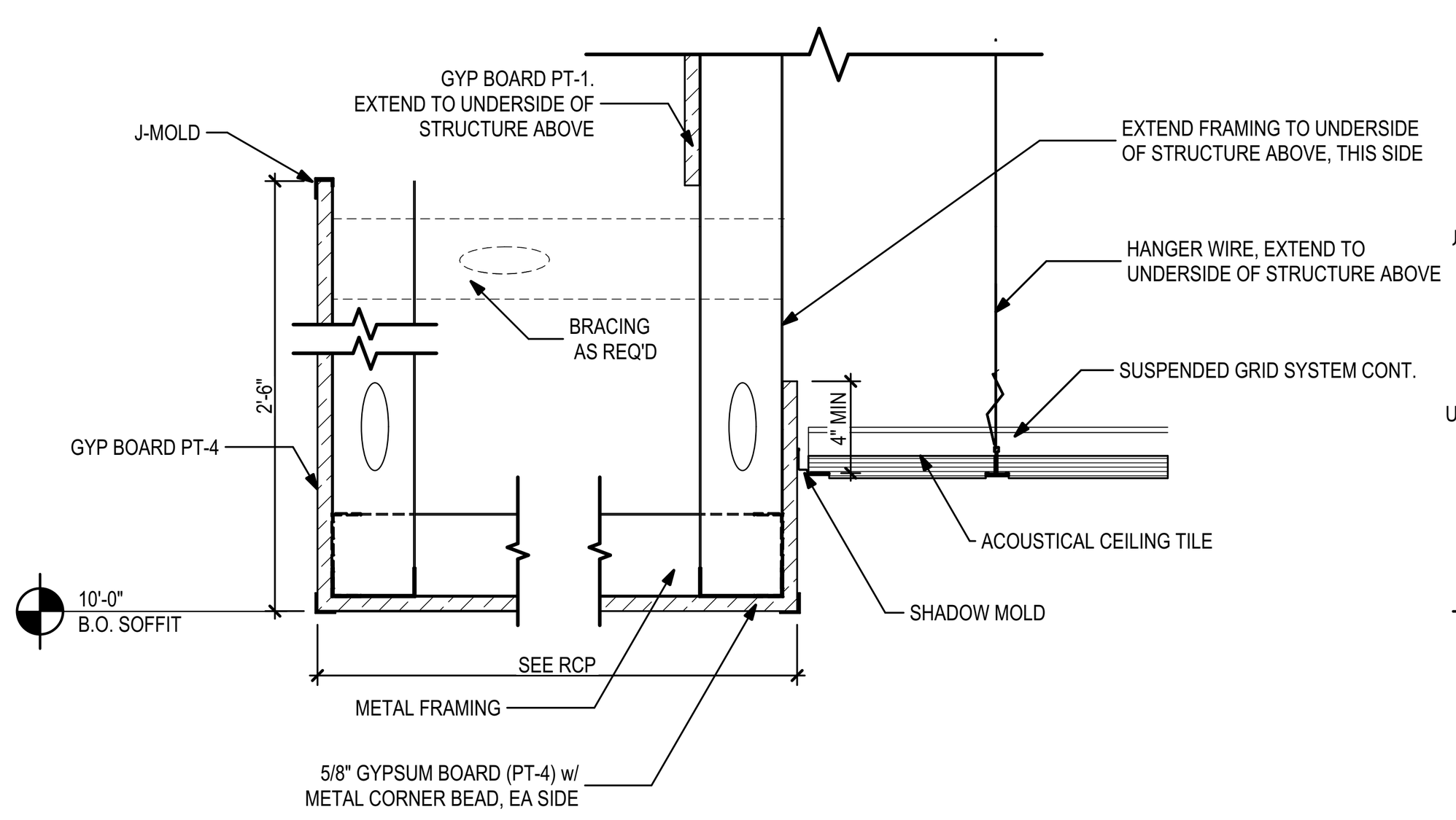
13 Detail at Admin
1 1/2"= 1'-0"



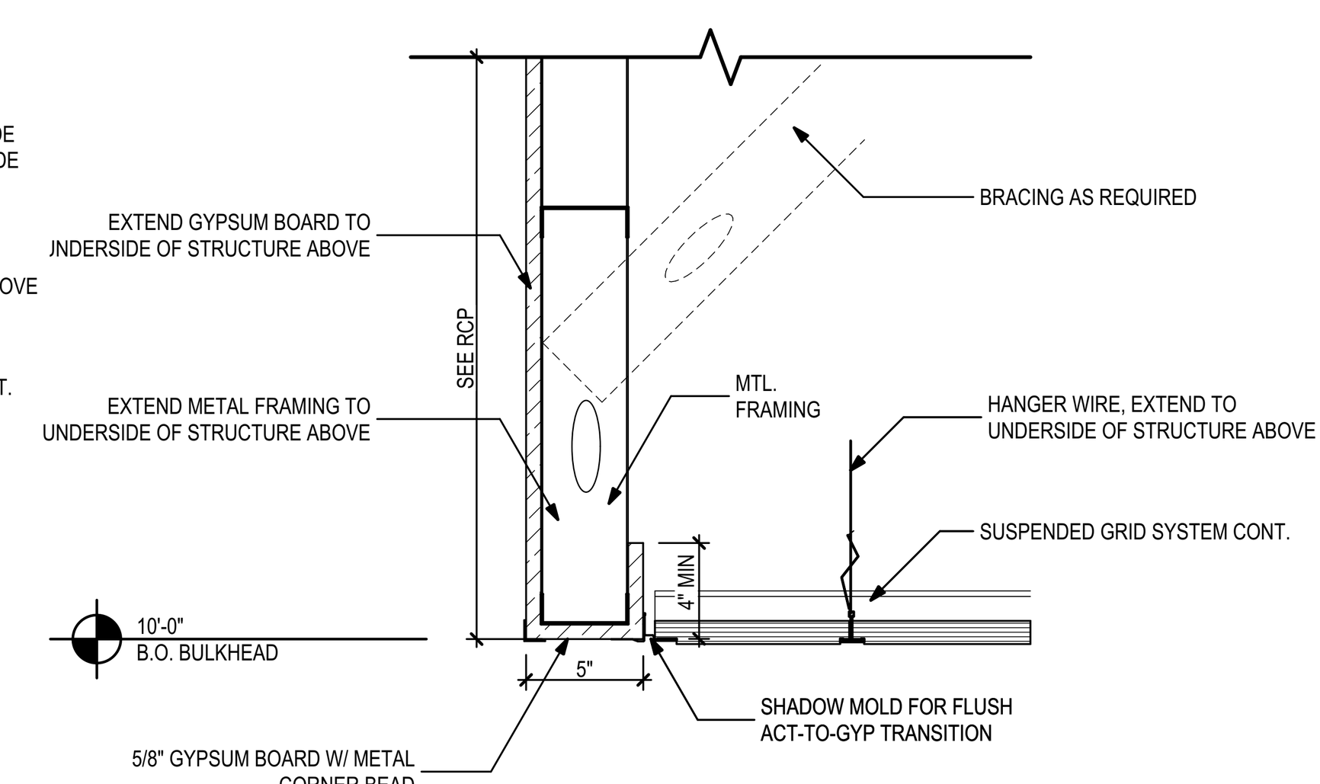
12 Detail at Niche
1 1/2"= 1'-0"



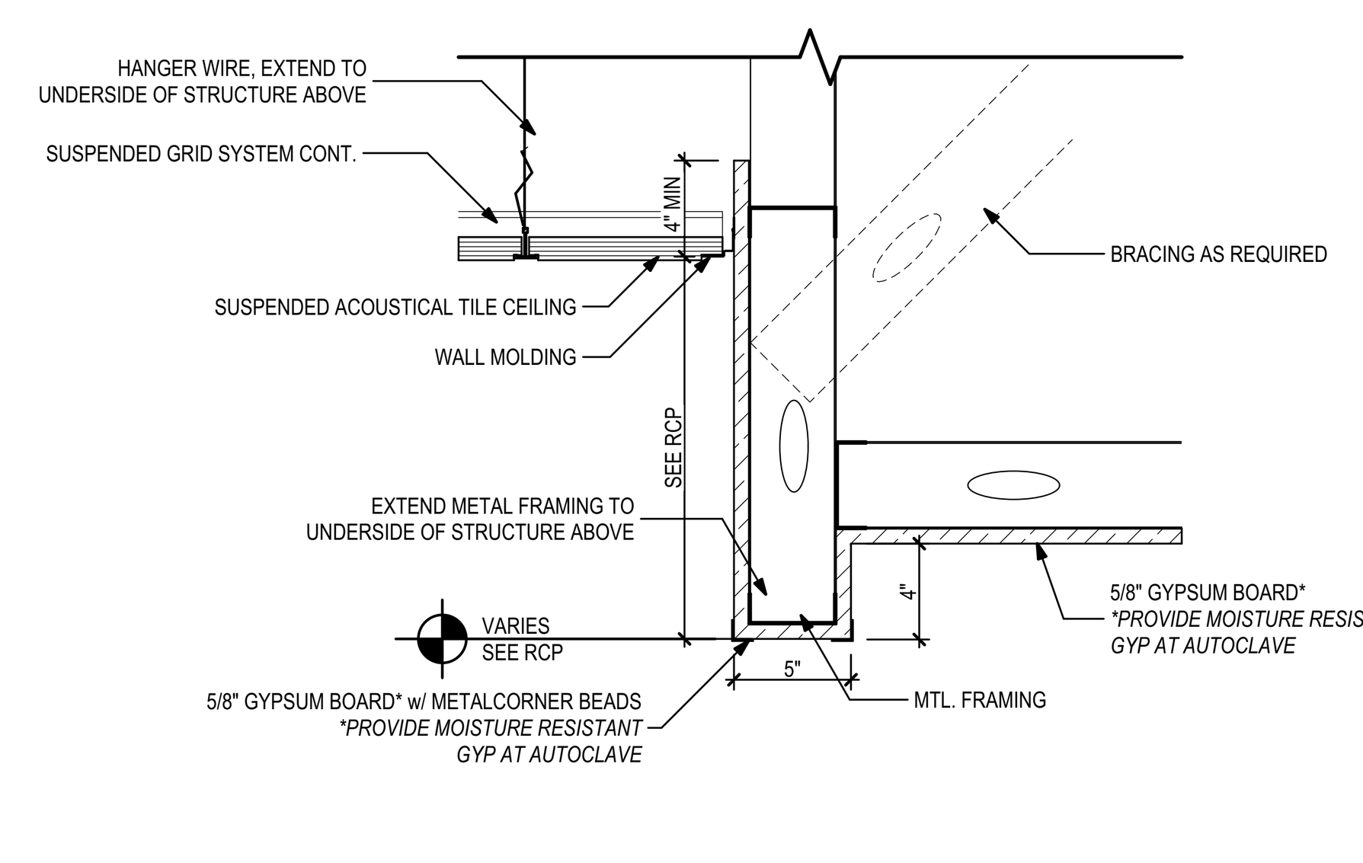
11 Stepped Soffit Detail
1 1/2"= 1'-0"



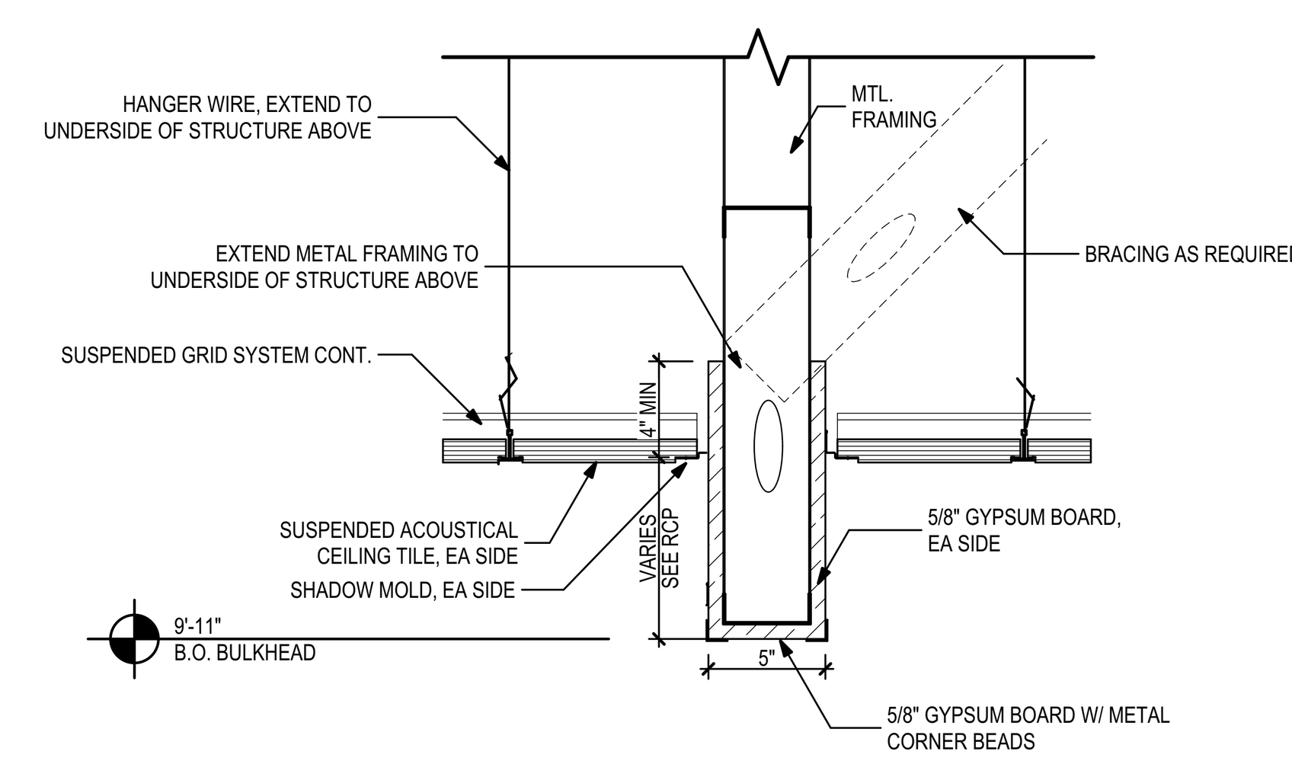
10 Bulkhead-ACT Detail
1 1/2"= 1'-0"



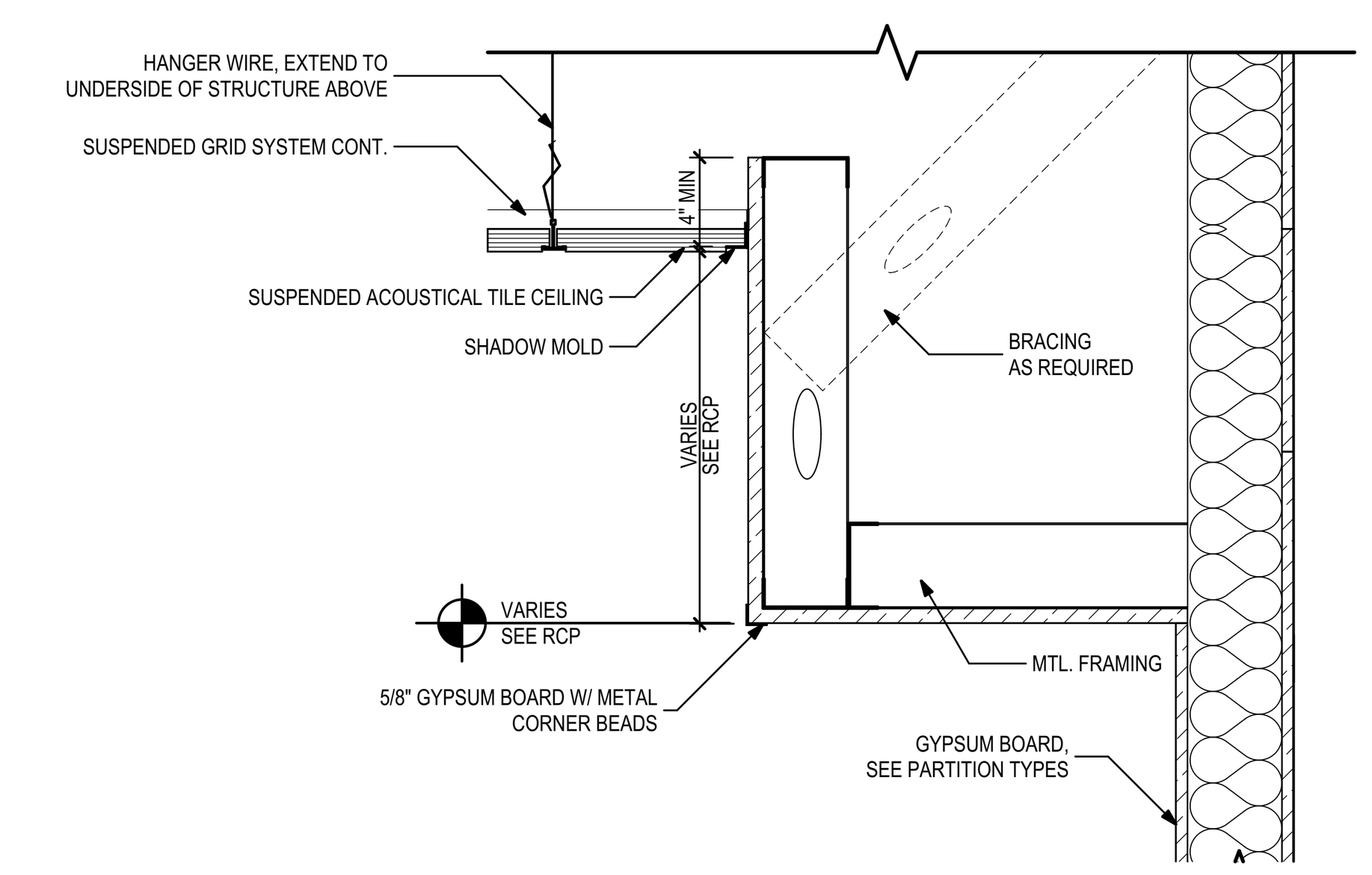
9 Bulkhead-ACT Detail
1 1/2"= 1'-0"



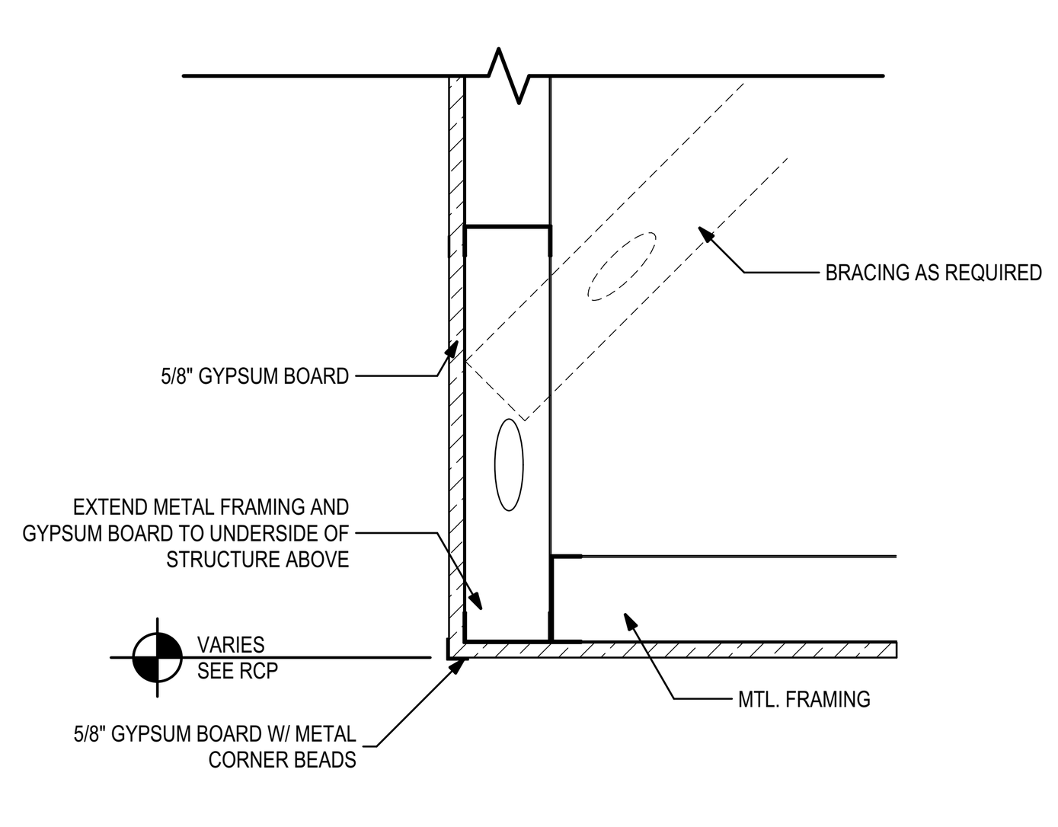
8 ACT-Bulkhead-Gyp Detail
1 1/2"= 1'-0"



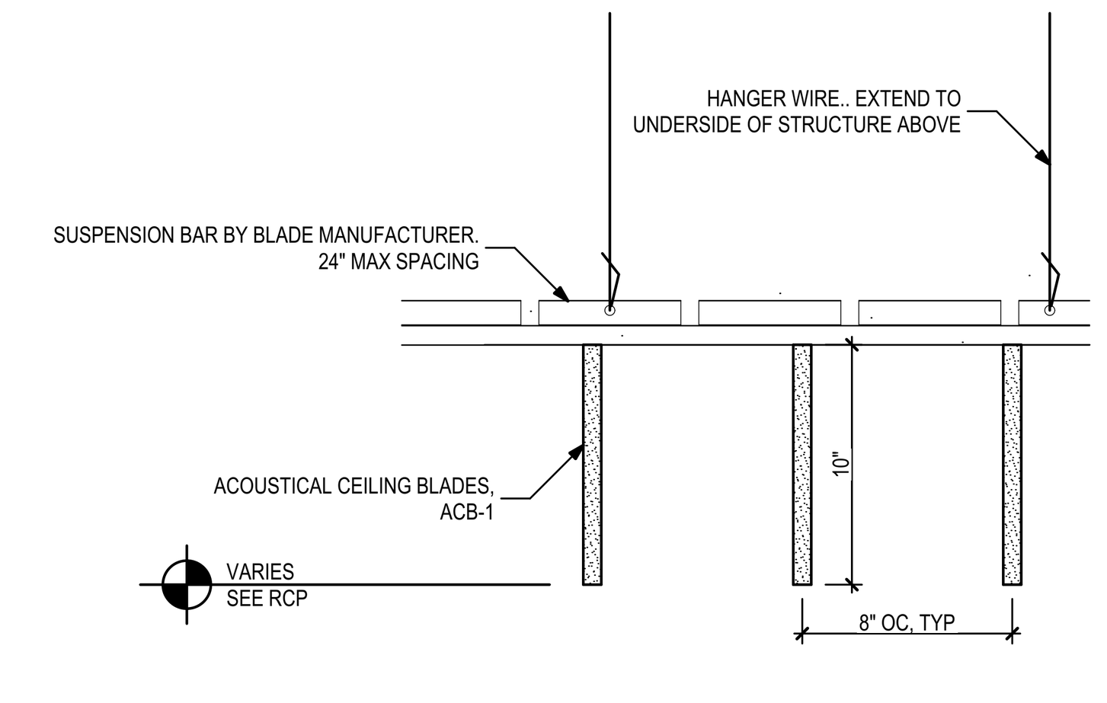
7 ACT-Bulkhead-ACT Detail
1 1/2"= 1'-0"



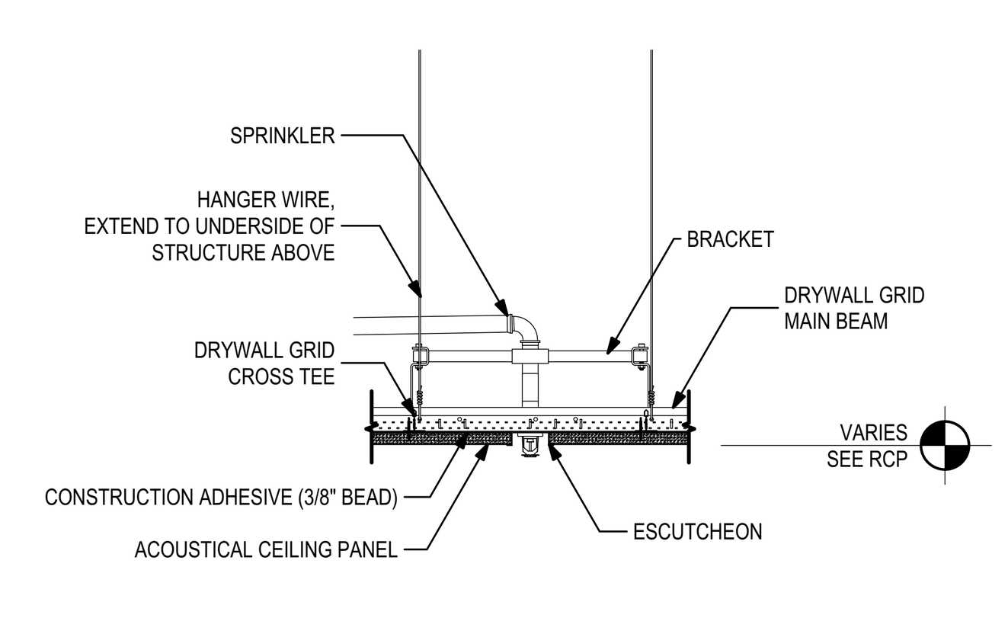
6 Soffit-to-ACT Detail
1 1/2"= 1'-0"



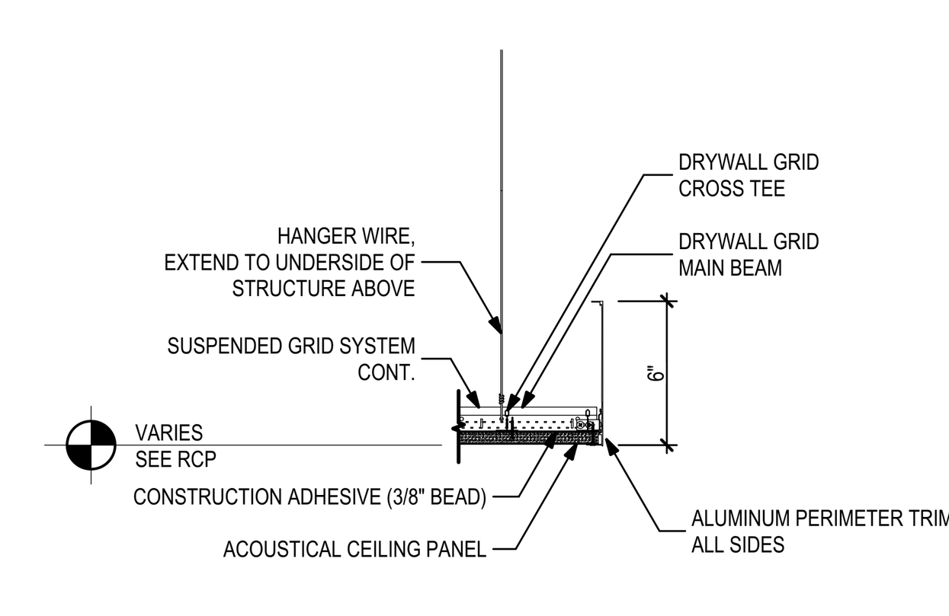
5 GYP Soffit Detail
1 1/2"= 1'-0"



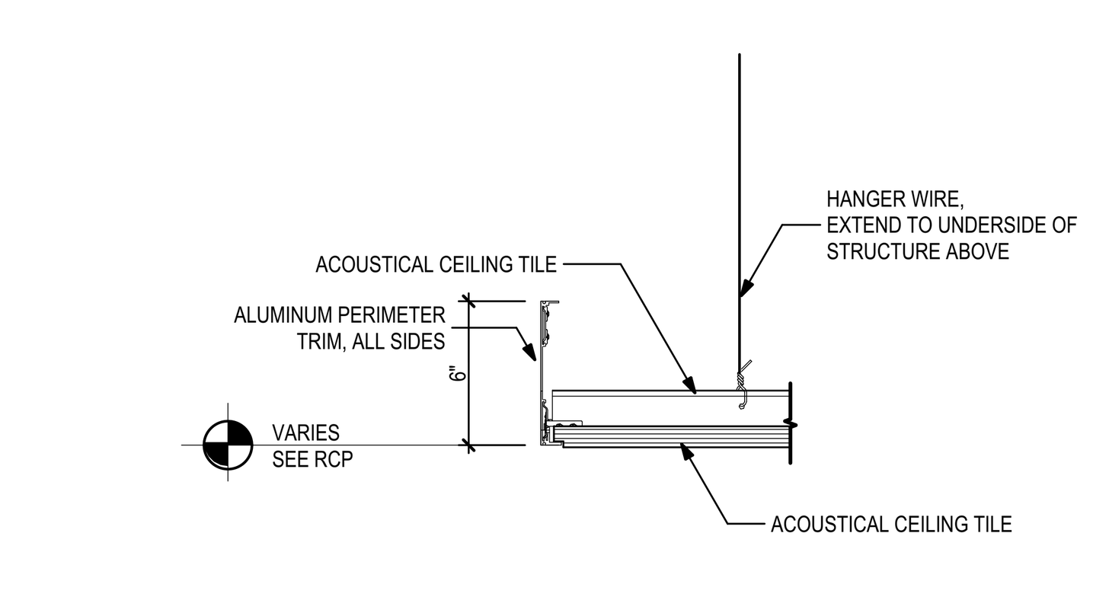
4 ACB Detail, TYP
1 1/2"= 1'-0"



3 ACS Detail at Sprinkler, TYP
1 1/2"= 1'-0"



2 ACS Cloud Detail, TYP
1 1/2"= 1'-0"



1 ACT Cloud Detail, TYP
1 1/2"= 1'-0"

BIMcloud: Lewis-BIM - BIMcloud Basic for ARCHICAD 24/21414 NFIL Teamwork DD Model|10:14 PM

ID:	REVISION:	DRAWN:	REVIEWED:	DATE:
1	ADDENDUM 1	RS, KS, EE, AK, BG	C. WHITLOCK	01/10/22

PHASE:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT	RS, KS, AK, EE	C. WHITLOCK	07/30/21
50% CONSTRUCTION DOCUMENTS	RS, KS, AK, EE	C. WHITLOCK	10/07/21
100% CONSTRUCTION DOCUMENTS	RS, KS, BG, AK, EE	C. WHITLOCK	12/09/21

Client:
Leon County R&D Authority
Tallahassee, Florida

Job Title:
North Florida Innovation Labs

Consultant:

Seal:

Project #: 21414
Phase: 100% Construction Documents

ALW
Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net

Description:
Ceiling Sections and Details

Sheet No.:
A7.3

Finish Summary

Mark	Description	Size	Basis of Design	Color/Pattern	Notes
FLOORS					
CPT-1	Field Carpet Tile	12" x 36"	Mannington *Optic Hush*	Absorb	Installed Vertical Ashlar
CT-1	Porcelain Ceramic Tile - Field	24" x 24"	Trinity Tile *Pathways*	White	
RB-1	Rubber Tile	18" x 36"	Mannington *Teles*	Dew Drop	
CONC-1	Polished Concrete	-	See Specs	-	
CONC-2	Sealed Concrete	-	See Specs	-	
TRANSITIONS					
RT	Resilient Transition	-	Mannington *Fusion*	TBS by Architect	
WALL BASE					
RB-2	Rubber Wall Base - Cove	6"	Burkebase *Type TP*	Clay 527	
CT-5	Ceramic Tile - Bullnose	3" x 12"	Trinity Tile *Pathways*	White	
CEILINGS					
ACT-1	Acoustical Ceiling Tile	24" x 24"	Armstrong *Ultima Tegular*	White	Use with Armstrong Prelude 15/16"
ACT-2	Acoustical Ceiling Tile	24" x 24"	Armstrong *Dune, Square Lay-In*	White	Use with Armstrong Prelude 15/16"
ACT-3	Acoustical Ceiling Tile, *Labs*	24" x 24"	Armstrong *Ultima HealthZone, Square Tegular*	White	Use with Armstrong Prelude 15/16"
ACT-4	Acoustical Ceiling Tile, *Unisex Restroom*	24" x 24"	Armstrong *Ceramaguard Fine Fissured*	White	Use with Armstrong Prelude Plus XL Aluminum 15/16"
ACS-1	Acoustical Ceiling System, *Gypsum*	See RCP	Armstrong *ACOUSTIBuilt Seamless Acoustical Ceiling System*	Tinted to match SW 7021 Simple White	
ACB-1	Acoustic Ceiling Blades	See RCP	Armstrong *Feltworks Blades*	Mocha	
GYP	Gypsum Board	-	-		
WD-1	Wood Plank System	-	ACGI Linear Open Series 1	Match Architect's Sample	
WALLS					
PT-1	Latex Paint	-	Sherwin Williams	SW 7567 Natural Tan	
PT-2	Ceiling Paint	-	Sherwin Williams	SW 7008 Alabaster	
PT-3	Accent Paint - neutral	-	Sherwin Williams	SW 7038 Tony Taupe	
PT-4	Accent Paint - color	-	Sherwin Williams	SW 9130 Evergreen Fog	
PT-5	Accent Paint - color	-	Sherwin Williams	SW 6187 Rosemary	
PT-6	Accent Paint - color	-	Sherwin Williams	SW 7019 Gauntlet Gray	
EPT-X	Epoxy Paint	-	-	*Match PT designation above*	
AWP - 1	Acoustical Wall Panel	-	Unika Vaev ecoustic v-panel *V-line Mix*	Olive	
AWP - 2	Acoustical Wall Panel	-	Unika Vaev ecoustic v-panel *V-line Mix*	Tungsten	
CT-2	Ceramic Tile - Wall	12" x 36"	Olympia Tile+Stone *Ozone Matte Slot Deco*	Snow	
CT-3	Ceramic Tile - Wall, Accent	3" x 16"	Trinity Tile *Artifact*	Verde	
CT-4	Cement Tile - Wall, Backsplash	8" x 9"	Zia Cement Tile *Oslo Hex*	White-Pewter	
VWC	Vinyl Wall Covering	-	MDC *Downing*	Marble	Perforated for exterior walls
WD-2	T&G Wood Planks	-	Match ACGI Linear Open Series 1		
MILLWORK					
PL-1	Plastic Laminate, *Casework*	-	Wilsonart High Pressure Laminate	Palisades Oak 7987-12	
PL-2	Plastic Laminate, *Casework*	-	Wilsonart High Pressure Laminate	Linen D47-01	
PL-3	Plastic Laminate, *Casework*	-	Wilsonart High Pressure Laminate	Charcoal Velvet 15504-31	
QZ-1	Quartz Countertops	-	Cambria	White Plains	
QZ-2	Quartz Accent	-	Compac	Smoke Gray	
UPH-1	Bench Upholstery	-	Wolf Gordon *Stable*	Evergreen	
SPECIALTIES					
CG	Corner Guards	-	Construction Specialties SSM Series	194 Chinchilla	Full height
TP-1	Toilet Partitions	-	Hiney Hiders	Shale	
RS-1	Roller Shades, light filtering	-	Budget Blinds Signature Series *Oracle*	Oracle 3% Quill Gray 97707	
RS-2	Roller Shades, blackout	-	TBS by Architect	-	

GENERAL FINISH NOTES

1. All accent colors to terminate at inside corners. Coordinate with archtitect for unique conditions
2. All walls to receive PT-1 and RB-1 unless noted otherwise.

Finish Schedule

ROOM NUMBER	ROOM NAME / DESCRIPTION	FLOORS FINISH	FLOORS NOTES	BASE FINISH	BASE NOTES	WALLS NORTH	WALLS EAST	WALLS SOUTH	WALLS WEST	ROLLERS SHADES (ALTERNATE BID) EXTERIOR GLAZING	ROLLERS SHADES (ALTERNATE BID) INTERIOR GLAZING	CEILING
FIRST FLOOR												
-	ELEVATOR	RB-1		SEE SPECIFICATIONS								
100-1	STAIR	CONC-2	2	RB-2		PT-1	PT-6	PT-1	PT-1			EXPOSED PAINTED
100-2	STAIR	CONC-2	2	RB-2		PT-1	PT-1	PT-6	PT-1			EXPOSED PAINTED
100	ENTRY LOBBY	CONC-1		RB-2		PT-6	PT-1	PT-6	PT-6			EXPOSED PTD. / ACS-1 / GYP
-	LOBBY CORRIDOR	CONC-1		RB-2		PT-1	-	PT-1	PT-1			GYP / ACT-1
100A	CORRIDOR	CONC-1		RB-2		PT-1	PT-1	PT-1	PT-1			GYP / ACT-1
100B	CORRIDOR	CONC-1		RB-2		PT-1	PT-1	PT-1	PT-1			GYP / ACT-1
100C	CORRIDOR	CONC-1		RB-2		PT-1	PT-1	PT-1	PT-1			GYP / ACT-1
100D	CORRIDOR	CONC-1		RB-2		PT-1	PT-1	PT-1	PT-1			GYP / ACT-1
100E	CORRIDOR	CONC-1		RB-2		PT-1	PT-1	PT-1	PT-1			GYP / ACT-1
100F	SERVICE CORRIDOR	CONC-1		RB-2		PT-1	PT-1	PT-1	PT-1			ACT-1
101	CONFERENCE ROOM	CPT-1-1		RB-2		PT-1	PT-1	VWC/PT-1	PT-1/PT-3	RS-2	RS-1	EXPOSED PTD. / ACT-1
101A	STORAGE	CONC-1		RB-2		PT-1	PT-1	PT-1	PT-1			ACT-2
102	CONFERENCE ROOM	CPT-1-1		RB-2		PT-1	PT-1	PT-1/PT-4	PT-1			EXPOSED PTD. / ACB-1 / GYP
103	MULTIPURPOSE ROOM	CONC-1		RB-2		PT-3	PT-3	PT-3	WD-2/PT-3		RS-1	EXPOSED PTD. / WD-2 / ACS-1
104	ADMINISTRATION	CPT-1-1		RB-2		PT-1	WD-2	PT-1	PT-1			ACT / QZ-2
105	DIRECTOR'S OFFICE	CPT-1-1		RB-2		PT-1	PT-4	PT-1	PT-1		RS-1	EXPOSED PTD. / GYP / ACT-1
106	WORK STATIONS	CPT-1-1		RB-2		PT-1	PT-1	PT-4	PT-1			ACT-1
107	PRINT LOUNGE	CPT-1-1		RB-2		PT-1	PT-1	PT-4/PT-6	PT-1	RS-1		GYP (PT-6) / ACT-1
108	WOMEN'S RESTROOM	CT-1		CT-5		CT-2	CT-2/CT-3	EPT-1	EPT-1			GYP (PT-4) / ACT-1
108A	CLOSET	CT-1		CT-5		CT-2	PT-1	PT-1	PT-1			GYP
109	COLLAB.	CONC-1		RB-2		PT-1	PT-1	PT-1	PT-1	RS-1		ACT-1 / GYP
109A	STORAGE	CONC-1		RB-2		PT-1	PT-1	PT-1	PT-1			ACT-2
109B	OFFICE	CPT-1-1		RB-2		PT-1	PT-1	PT-1	PT-1		RS-1	ACT-1
109C	OFFICE	CPT-1-1		RB-2		PT-1	PT-1	PT-1	PT-1	RS-1	RS-1	ACT-1
109D	OFFICE	CPT-1-1		RB-2		PT-1	PT-1	PT-1	PT-1	RS-1	RS-1	ACT-1
109E	OFFICE	CPT-1-1		RB-2		PT-1	PT-1	PT-1	PT-1		RS-1	ACT-1
110	FLEX LAB	CONC-1		RB-2		EPT-4	EPT-1	EPT-1	EPT-1			ACT-3
110A	CLOSET	CONC-1		RB-2		PT-1	PT-1	PT-1	PT-1			GYP
111	FLEX LAB	CONC-1		RB-2		EPT-4	EPT-1	EPT-1	EPT-1			ACT-3
111A	CLOSET	CONC-1		RB-2		PT-1	PT-1	PT-1	PT-1			GYP
112	COLLAB.	CPT-1		RB-2		PT-1	PT-1	PT-1	PT-1	RS-1		ACT-1 / GYP
112A	STORAGE	CONC-1		RB-2		PT-1	PT-1	PT-1	PT-1			ACT-2
112B	OFFICE	CPT-1		RB-2		PT-1	PT-1	PT-1	PT-1		RS-1	ACT-1
112C	OFFICE	CPT-1		RB-2		PT-1	PT-1	PT-1	PT-1	RS-1	RS-1	ACT-1
112D	OFFICE	CPT-1		RB-2		PT-1	PT-1	PT-1	PT-1	RS-1	RS-1	ACT-1
112E	OFFICE	CPT-1		RB-2		PT-1	PT-1	PT-1	PT-1		RS-1	ACT-1
113	FLEX LAB	CONC-1		RB-2		EPT-4	EPT-1	EPT-1	EPT-1			ACT-3
113A	CLOSET	CONC-1		RB-2		PT-1	PT-1	PT-1	PT-1			GYP
114	COLLAB.	CPT-1		RB-2		PT-1	PT-1	PT-1	PT-1	RS-1		ACT-1 / GYP
114A	STORAGE	CONC-1		RB-2		PT-1	PT-1	PT-1	PT-1			ACT-2
114B	OFFICE	CPT-1		RB-2		PT-1	PT-1	PT-1	PT-1		RS-1	ACT-1
114C	OFFICE	CPT-1		RB-2		PT-1	PT-1	PT-1	PT-1	RS-1	RS-1	ACT-1
114D	OFFICE	CPT-1		RB-2		PT-1	PT-1	PT-1	PT-1	RS-1	RS-1	ACT-1
114E	OFFICE	CPT-1		RB-2		PT-1	PT-1	PT-1	PT-1		RS-1	ACT-1
115	EMERGENCY ELECTRICAL	CONC-2		RB-2		PT-1	PT-1	PT-1	PT-1			EXPOSED
116	ELECTRICAL ROOM	CONC-2		RB-2		PT-1	PT-1	PT-1	PT-1			EXPOSED
117	IT ROOM	CONC-1		RB-2		PT-1	PT-1	PT-1	PT-1			EXPOSED
118	UNISEX RESTROOM	CT-1		CT-5		CT-2	EPT-1	CT-3/EPT-1	EPT-1			ACT-4
119	MECHANICAL ROOM	CONC-2		RB-2		EPT-1	EPT-1	EPT-1	EPT-1			EXPOSED
120	FLEX LAB	CONC-1		RB-2		EPT-1	EPT-1	EPT-1	EPT-4	RS-1		ACT-3
120A	CLOSET	CONC-1		RB-2		PT-1	PT-1	PT-1	PT-1			GYP
121	FLEX LAB	CONC-1		RB-2		EPT-1	EPT-1	EPT-1	EPT-1	RS-1		ACT-3
121A	CLOSET	CONC-1		RB-2		PT-1	PT-1	PT-1	PT-1			GYP
122	FLEX LAB	CONC-1		RB-2		EPT-1	EPT-1	EPT-4	EPT-1			ACT-3
122A	CLOSET	CONC-1		RB-2		PT-1	PT-1	PT-1	PT-1			GYP
123	FLEX LAB	CONC-1		RB-2		EPT-1	EPT-1	EPT-1	EPT-4	RS-1		ACT-3
123A	CLOSET	CONC-1		RB-2		PT-1	PT-1	PT-1	PT-1			GYP
124	FLEX LAB	CONC-1		RB-2		EPT-1	EPT-1	EPT-4	EPT-1			ACT-3
124A	CLOSET	CONC-1		RB-2		PT-1	PT-1	PT-1	PT-1			GYP
125	FLEX LAB	CONC-1		RB-2		EPT-1	EPT-4	EPT-1	EPT-1	RS-1		ACT-3
125A	CLOSET	CONC-1		RB-2		PT-1	PT-1	PT-1	PT-1			GYP
126	FLEX LAB	CONC-1		RB-2		EPT-1	EPT-1	EPT-4	EPT-1			ACT-3
126A	CLOSET	CONC-1		RB-2		PT-1	PT-1	PT-1	PT-1			GYP
127	FLEX LAB	CONC-1		RB-2		EPT-1	EPT-1	EPT-1	EPT-4	RS-1		ACT-3
127A	CLOSET	CONC-1		RB-2		PT-1	PT-1	PT-1	PT-1			GYP
128	FLEX LAB	CONC-1		RB-2		EPT-1	EPT-1	EPT-4	EPT-1			ACT-3
128A	CLOSET	CONC-1		RB-2		PT-1	PT-1	PT-1	PT-1			GYP
129	BREAK ROOM	CONC-1		RB-2		PT-1	CT-4/PT-1	PT-1/PT-5/AWP-1	PT-1	RS-1		EXPOSED PTD. / GYP (PT-6) / ACB-1
130	MEN'S RESTROOM	CT-1		CT-5		EPT-1	CT-2/CT-3	CT-2	EPT-1			GYP (PT-4) / ACT-1
131	SHIPPING AND RECEIVING	CONC-1		RB-2		EPT-1	EPT-1	EPT-1	EPT-1			EXPOSED
132	STORAGE	CONC-1		RB-2		PT-1	PT-1	PT-1	PT-1			ACT-2
133	JANITOR	CONC-1		RB-2		EPT-1	EPT-1	EPT-1	EPT-1			ACT-2
134	FAB LAB	CONC-1		RB-2		EPT-1	EPT-1	EPT-1	EPT-1			ACT-3
135	METAL SHOP	CONC-1		RB-2		EPT-1	EPT-1	EPT-1	EPT-1			EXPOSED PTD.

ROOM NUMBER	ROOM NAME / DESCRIPTION	FLOORS FINISH	FLOORS NOTES	BASE FINISH	BASE NOTES	WALLS NORTH	WALLS EAST	WALLS SOUTH	WALLS WEST	ROLLERS SHADES (ALTERNATE BID) EXTERIOR GLAZING	ROLLERS SHADES (ALTERNATE BID) INTERIOR GLAZING	CEILING
SECOND FLOOR												
200-1	STAIR	CONC-2	2	RB-2		PT-1	PT-6	PT-1	PT-1			EXPOSED PAINTED
200-2	STAIR	CONC-2	2	RB-2		PT-1	PT-1	PT-6	PT-1			EXPOSED PAINTED
200	BALCONY	CONC-1		RB-2		PT-1	VWC	PT-1	PT-1			EXPOSED PAINTED
200A	CORRIDOR	CONC-1		RB-2		PT-1	PT-1	PT-1	PT-1			EXPOSED PTD. / ACS-1
200B	CORRIDOR	CONC-1		RB-2		PT-1	PT-1	PT-1	PT-1			GYP / ACT-1
200C	CORRIDOR	CONC-1		RB-2		PT-1	PT-1	PT-1	PT-1			GYP / ACT-1
200D	CORRIDOR	CONC-1		RB-2		PT-1	PT-1	PT-1	PT-1			GYP / ACT-1
200E	SERVICE AREA	CONC-1		RB-2		PT-1	PT-1	PT-1	PT-1			ACT-2
201	CONFERENCE ROOM	CPT-1		RB-2		PT-1	PT-1	PT-1	PT-4			GYP (PT-6) / ACT-1
202	SHARED WORK / OPEN COLLAB	CPT-1		RB-2		PT-1/PT-4/AWP-2	PT-1	PT-1/PT-4/AWP-2	AWP-2	RS-1		EXPOSED PTD. / ACS-1 / GYP (PT-4)
202A	STORAGE	CONC-1		RB-2		PT-1	PT-1	PT-1	PT-1			GYP
203	AUTOCLAVE ROOM	CONC-1		RB-2		EPT-1	EPT-1	EPT-1	EPT-1			ACT-3 / GYP
204	HUDDLE ROOM	CPT-1		RB-2		PT-1	PT-5	PT-1	PT-1			ACT-1
205	JANITOR	CONC-1		RB-2		EPT-1	EPT-1	EPT-1	EPT-1			ACT-2
206	HUDDLE ROOM	CPT-1		RB-2		PT-1	PT-5	PT-1	PT-1			ACT-1
207	DRY LAB	CONC-1		RB-2		EPT-4	EPT-1	EPT-1	EPT-1			ACT-3
207A	CLOSET	CONC-1		RB-2		PT-1	PT-1	PT-1	PT-1			GYP
208	DRY LAB	CONC-1		RB-2		EPT-1	EPT-1	EPT-4	EPT-1	RS-1		ACT-3
208A	CLOSET	CONC-1		RB-2		PT-1	PT-1	PT-1	PT-1			GYP
209	DRY LAB	CONC-1		RB-2		EPT-4	EPT-1	EPT-1	EPT-1			ACT-3
209A	CLOSET	CONC-1		RB-2		PT-1	PT-1	PT-1	PT-1			GYP
210	DRY LAB	CONC-1		RB-2		EPT-4	EPT-1	EPT-1	EPT-1			ACT-3
210A	CLOSET	CONC-1		RB-2		PT-1	PT-1	PT-1	PT-1			GYP
211	PRINT LOUNGE	CPT-1-1		RB-2		PT-1	PT-1	PT-1	PT-4/PT-6	RS-1	RS-1	GYP (PT-6) / ACT-1
212	WOMEN'S RESTROOM	CT-1		CT-5		CT-2	CT-2/CT-3	EPT-1	EPT-1			GYP (PT-4) / ACT-1
212A	CLOSET	CT-1		CT-5		CT-2	PT-1	PT-1	PT-1			GYP
213	COLLAB.	CONC-1		RB-2		PT-1	PT-1	PT-1	PT-1	RS-1		ACT-1 / GYP
213A	STORAGE	CONC-1		RB-2		PT-1	PT-1	PT-1	PT-1			ACT-2
213B	OFFICE	CPT-1-1		RB-2		PT-1	PT-1	PT-1	PT-1		RS-1	ACT-1
213C	OFFICE	CPT-1-1		RB-2		PT-1	PT-1	PT-1	PT-1	RS-1	RS-1	ACT-1
213D	OFFICE	CPT-1-1		RB-2		PT-1	PT-1	PT-1	PT-1	RS-1	RS-1	ACT-1
213E	OFFICE	CPT-1-1		RB-2		PT-1	PT-1	PT-1	PT-1		RS-1	ACT-1
214	BIO LAB	CONC-1		RB-2		EPT-4	EPT-1	EPT-1	EPT-1			ACT-3
214A	CLOSET	CONC-1		RB-2		PT-1	PT-1	PT-1	PT-1			GYP
215	BIO LAB	CONC-1		RB-2		EPT-4	EPT-1	EPT-1	EPT-1			ACT-3
215A	CLOSET	CONC-1		RB-2		PT-1	PT-1	PT-1	PT-1			GYP
216	COLLAB.	CONC-1		RB-2		PT-1	PT-1	PT-1	PT-1	RS-1		ACT-1 / GYP
216A	STORAGE	CONC-1		RB-2		PT-1	PT-1	PT-1	PT-1			ACT-2
216B	OFFICE	CPT-1-1		RB-2		PT-1	PT-1	PT-1	PT-1		RS-1	ACT-1
216C	OFFICE	CPT-1-1		RB-2		PT-1	PT-1	PT-1	PT-1	RS-1	RS-1	ACT-1
216D	OFFICE	CPT-1-1		RB-2		PT-1	PT-1	PT-1	PT-1	RS-1	RS-1	ACT-1
216E	OFFICE	CPT-1-1		RB-2		PT-1	PT-1	PT-1	PT-1		RS-1	ACT-1
217	BIO LAB	CONC-1		RB-2		EPT-4	EPT-1	EPT-1	EPT-1			ACT-3
217A	CLOSET	CONC-1		RB-2		PT-1	PT-1	PT-1	PT-1			GYP
218	IT ROOM	CONC-1		RB-2		PT-1	PT-1	PT-1	PT-1			EXPOSED
219	COLLAB.	CONC-1		RB-2		PT-1	PT-1	PT-1	PT-1	RS-1		ACT-1 / GYP
219A	STORAGE	CONC-1		RB-2		PT-1	PT-1	PT-1	PT-1			ACT-2
219B	OFFICE	CPT-1-1		RB-2		PT-1	PT-1	PT-1	PT-1		RS-1	ACT-1
219C	OFFICE	CPT-1-1		RB-2		PT-1	PT-1	PT-1	PT-1	RS-1	RS-1	ACT-1
219D	OFFICE	CPT-1-1		RB-2		PT-1	PT-1	PT-1	PT-1	RS-1	RS-1	ACT-1
219E	OFFICE	CPT-1-1		RB-2		PT-1	PT-1	PT-1	PT-1		RS-1	ACT-1
220	ELECTRICAL ROOM	CONC-2		RB-2		PT-1	PT-1	PT-1	PT-1			EXPOSED
221	BIO LAB	CONC-1		RB-2		EPT-4	EPT-1	EPT-1	EPT-1	RS-1		ACT-3
221A	CLOSET	CONC-1		RB-2		PT-1	PT-1	PT-1	PT-1			GYP
222	CELL CULTURE LAB	CONC-1		RB-2		EPT-1	EPT-1	EPT-4	EPT-1	RS-1		ACT-3
222A	CLOSET	CONC-1		RB-2		PT-1	PT-1	PT-1	PT-1			GYPP
223	CELL CULTURE LAB	CONC-1		RB-2		EPT-4	EPT-1	EPT-1	EPT-1	RS-1		ACT-3
223A	CLOSET	CONC-1		RB-2		PT-1	PT-1	PT-1	PT-1			GYP
224	CHEM LAB	CONC-1		RB-2		EPT-1	EPT-1	EPT-4	EPT-1	RS-1		ACT-3
224A	CLOSET	CONC-1		RB-2		PT-1	PT-1	PT-1	PT-1			GYP
225	CHEM LAB	CONC-1		RB-2		EPT-1	EPT-1	EPT-1	EPT-4	RS-1	RS-1	ACT-3
225A	CLOSET	CONC-1		RB-2		PT-1	PT-1	PT-1	PT-1			GYP
226	CHEM LAB	CONC-1		RB-2		EPT-1	EPT-4	EPT-1	EPT-1	RS-1	RS-1	ACT-3
226A	CLOSET	CONC-1		RB-2		PT-1	PT-1	PT-1	PT-1			GYP
227	BIO LAB	CONC-1		RB-2		EPT-1	EPT-1	EPT-4	EPT-1			ACT-3
227A	CLOSET	CONC-1		RB-2		PT-1	PT-1	PT-1	PT-1			GYP
228	CHEM LAB	CONC-1		RB-2		EPT-1	EPT-1	EPT-1	EPT-4	RS-1		ACT-3
228A	CLOSET	CONC-1		RB-2		PT-1	PT-1	PT-1	PT-1			GYP
229	BIO LAB	CONC-1		RB-2		EPT-1	EPT-1	EPT-4	EPT-1			ACT-3
229A	CLOSET	CONC-1		RB-2		PT-1	PT-1	PT-1	PT-1			GYP
230	CHEM LAB	CONC-1		RB-2		EPT-1	EPT-4	EPT-1	EPT-1	RS-1		ACT-3
230A	CLOSET	CONC-1		RB-2		PT-1	PT-1	PT-1	PT-1			GYP
231	BIO LAB	CONC-1		RB-2		EPT-1	EPT-1	EPT-4	EPT-1			ACT-3
231A	CLOSET	CONC-1		RB-2		PT-1	PT-1	PT-1	PT-1			GYP
232	CHEM LAB	CONC-1		RB-2		EPT-1	EPT-1	EPT-1	EPT-4	RS-1		ACT-3
232A	CLOSET	CONC-1		RB-2		PT-1	PT-1	PT-1	PT-1			GYP
233	BIO LAB	CONC-1		RB-2		EPT-1	EPT-1	EPT-4	EPT-1			ACT-3
233A	CLOSET	CONC-1		RB-2		PT-1	PT-1	PT-1	PT-1			GYP
234	DRY LAB	CONC-1		RB-2		EPT-1	EPT-4	EPT-1	EPT-1	RS-1		ACT-3
234A	CLOSET	CONC-1		RB-2		PT-1	PT-1	PT-1	PT-1			GYP
235	MEN'S RESTROOM	CT-1		CT-5		EPT-1	CT-2-CT-3	CT-2	EPT-1			GYP (PT-4) / ACT-1
236	BREAK ROOM	CONC-1		RB-2		PT-1	CT-4/PT-1	PT-1/PT-5/AWP-1	PT-1	RS-1		EXPOSED / GYP (PT-1) / ACB-1
237	DRY LAB	CONC-1		RB-2		EPT-1	EPT-1	EPT-4	EPT-1			ACT-3
237A	CLOSET	CONC-1		RB-2		PT-1	PT-1	PT-1	PT-1			GYP
238	DRY LAB	CONC-1		RB-2		EPT-1	EPT-1	EPT-4	EPT-1			ACT-3
238A	CLOSET	CONC-1		RB-2		PT-1	PT-1	PT-1	PT-1			GYP

Phase: DESIGN DEVELOPMENT; 50% CONSTRUCTION DOCUMENTS; 100% CONSTRUCTION DOCUMENTS
Drawn: RS, KS, AK, EE
Reviewed: C. WHITLOCK

Client: Leon County R&D Authority
Tallahassee, Florida

Job Title: North Florida Innovation Labs

Consultant:

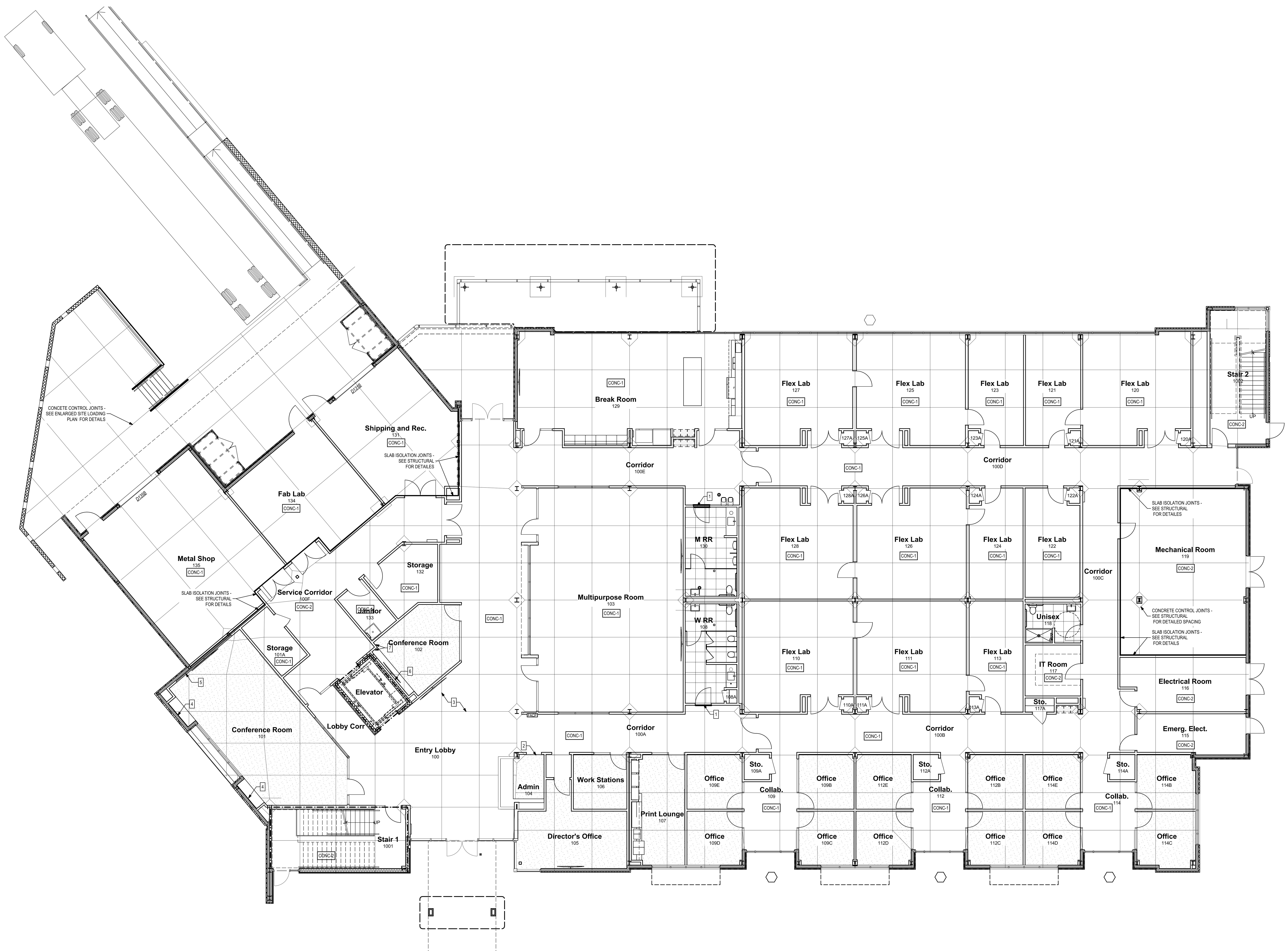
Seal:

Project #: 21414
Phase: 100% Construction Documents

Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net

Description: Finish Schedule

Sheet No.: A8.0



1 First Floor Finish Plan
1/8" = 1'-0"

Finish Notes

'X' REPRESENTS NOTE ON PLANS

1. ADA COMPLIANT ALUMINUM TRANSITION. BOD: SCHLUTER SCHIE
2. RESILIENT TRANSITION (RT)
3. CONTROL JOINT PATTERN. REFERENCE STRUCTURAL DRAWINGS. EXECUTE SLAB CONTROL JOINTS WITH CARE.
4. VINYL WALL COVERING (VWC) ON BACK WALL, FROM T.O. COUNTER TO GYP SOFFIT ABOVE.
5. PROVIDE ACCENT WALL COLOR AT WALL NICHE, FROM INSIDE CC INSIDE CORNER. SEE FINISH SCHEDULE FOR COLOR.
6. PROVIDE ACCENT WALL COLOR ON BACK WALL, FROM INSIDE CO INSIDE CORNER. SEE FINISH SCHEDULE FOR COLOR.
7. PROVIDE ACCENT WALL COLOR THESE WALLS. TERMINATE COLO INSIDE CORNERS. SEE FINISH SCHEDULE AND INTERIOR ELEVATI COLOR.

Floor Finish Legend

LEGEND	NAME	DESCRIPTION
	LVT	LUXURTY VINYL TILE
	CPT	MODULAR CARPET
	CT	PORCELAIN CERAMIC TILE
	CONC	CONCRETE

ID:	REVISION:	DRAWN:	REVIEWED:	DATE:
1	ADDENDUM 1	RS, KS, EE, AK, BG	C. WHITLOCK	01/10/22

PHASE:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT	RS, KS, AK, EE	C. WHITLOCK	07/30/21
50% CONSTRUCTION DOCUMENTS	RS, KS, AK, EE	C. WHITLOCK	10/07/21
100% CONSTRUCTION DOCUMENTS	RS, KS, BG, AK, EE	C. WHITLOCK	12/09/21

Seal:

Consultant:

Client:
Leon County R&D Authority
Tallahassee, Florida

Job Title:
North Florida Innovation Labs

Project #: **21414**
Phase: **100% Construction Documents**

ALW

Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net

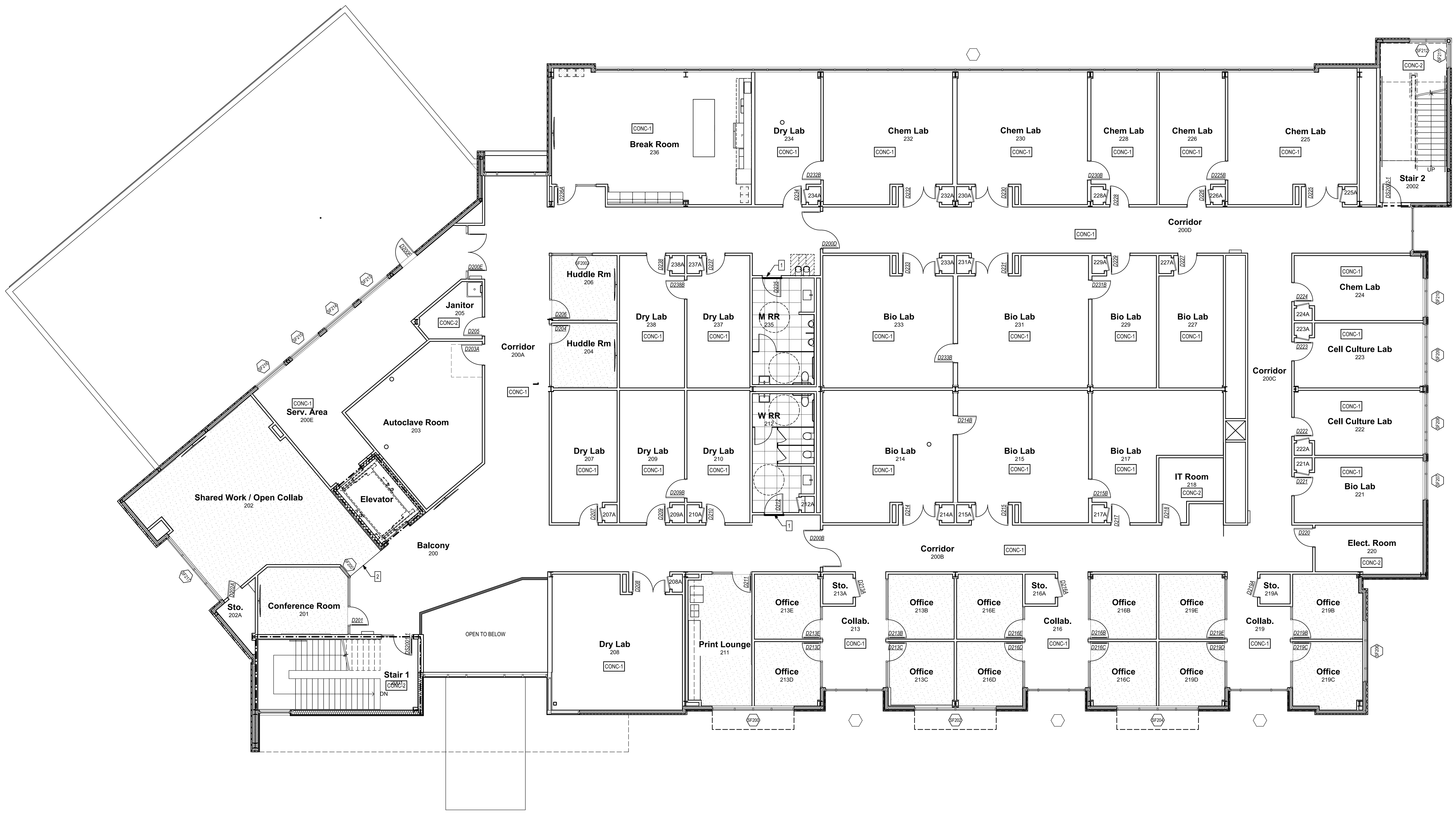
Description:
First Floor Finish Plan

Sheet No.:
A8.1 1

BIMcloud: Lewis-BIM - BIMcloud Basic for ARCHICAD 24/21414 NFIL Teamwork DD Model|10:14 PM

Floor Finish Legend

LEGEND	NAME	DESCRIPTION
	LVT	LUXURITY VINYL TILE
	CPT	MODULAR CARPET
	CT	PORCELAIN CERAMIC TILE
	CONC	CONCRETE



1 Second Floor Finish Plan
1/8" = 1'-0"

PHASE:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT	RS, KS, AK, EE	C. WHITLOCK	07/30/21
50% CONSTRUCTION DOCUMENTS	RS, KS, AK, EE	C. WHITLOCK	10/07/21
100% CONSTRUCTION DOCUMENTS	RS, KS, BG, AK, EE	C. WHITLOCK	12/09/21

ID:	REVISION:	DRAWN:	REVIEWED:	DATE:
1	ADDENDUM 1	RS, KS, EE, AK, BG	C. WHITLOCK	01/10/22

Seal:

Consultant:

Client:
Leon County R&D Authority
Tallahassee, Florida

Job Title:
North Florida Innovation Labs

Project #: 21414
Phase: 100% Construction Documents

ALW
Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net

Description:
Second Floor Finish Plan

Sheet No.:
A8.2

CASEWORK LEGEND

B M H 24 A

CONNECTION
B = BASE CABINET
M = MOBILE

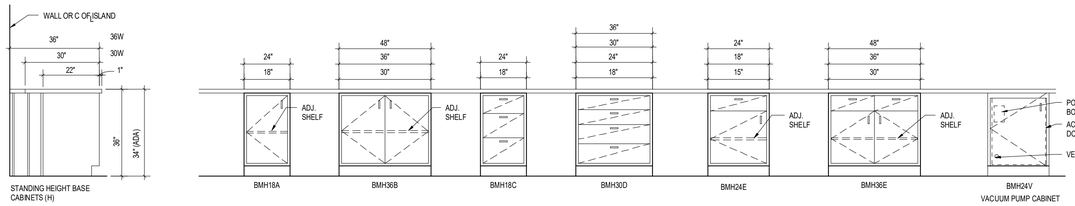
MATERIAL
M = METAL
W = WOOD
P = PLASTIC LAMINATE
S = STAINLESS STEEL

HEIGHT
T = TALL HEIGHT
H = STANDING HEIGHT (36")
L = SITTING HEIGHT (30")
A = ADJUSTABLE HEIGHT
U = ABOVE COUNTER HEIGHT

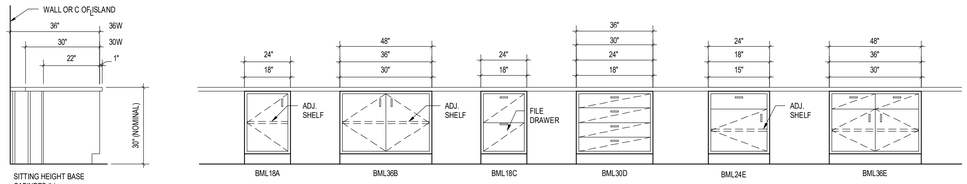
WIDTH
NUMBER OF INCHES WIDE

TYPES OF UNIT
A = SINGLE DOOR CABINET
B = DOUBLE DOOR CABINETS
C = SINGLE DRAWER
D = MULTIPLE DRAWERS
DR=DRUM UNIT
E = COMBINATION DRAWERS/CABS.
F = FLAMMABLE
G = GLASS DOOR CABINETS
K = KNEE SPACE
S = SINK BASE W/CABINETS
SLG=SLIDING GLASS DOORS
SU = SLOTTED UPRIGHT ADJUSTABLE SHELVES
- A = 1 SHELF
- B = 2 SHELVES
- C = 3 SHELVES
- D = 4 SHELVES
V = VENTED STORAGE CABINET
X = ACID STORAGE CABINET
T1 = TABLE 30" DEEP
T2 = TABLE 36" DEEP
T3 = TABLE 30" DEEP W/SHELF
T4 = TABLE 36" DEEP W/SHELF
T5= BALANCE TABLE 24" DEEP
T6= TABLE W/SLOTTED UPRIGHTS
T7= HEAVY DUTY MOBILE CART
V = VACUUM STORAGE CABINET
X = ACID STORAGE CABINET
Y = BASE STORAGE CABINET

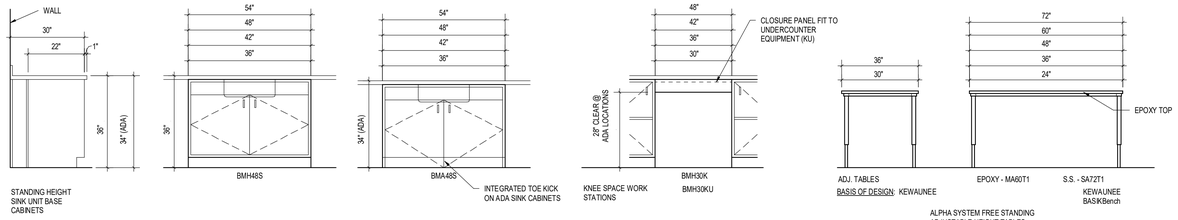
COUNTER TOP MATERIAL
(E) = EPOXY
(SS) = STAINLESS STEEL



STANDING HEIGHT BASE CABINETS (H)



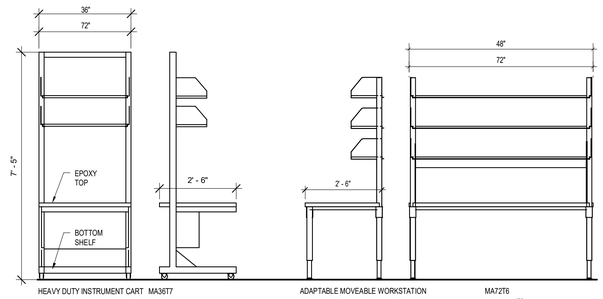
SITTING HEIGHT BASE CABINETS (L)

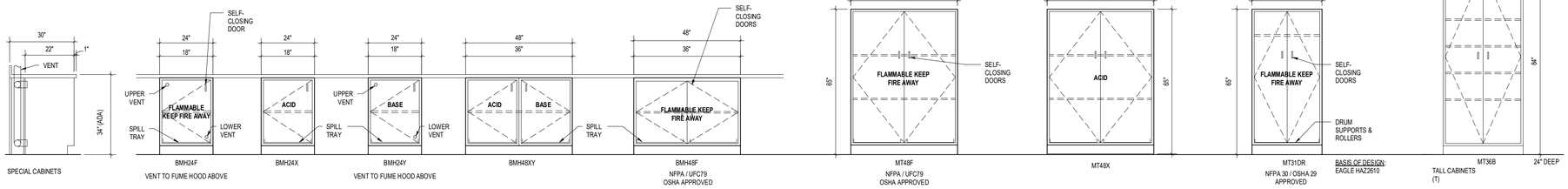


STANDING HEIGHT SINK UNIT BASE CABINETS

KNEE SPACE WORK STATIONS

ALPHA SYSTEM FREE STANDING ADJUSTABLE HEIGHT TABLES





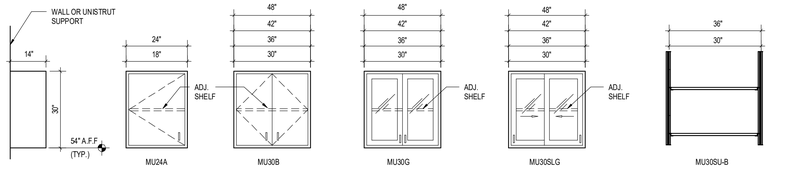
SPECIAL CABINETS

VENT TO FUME HOOD ABOVE

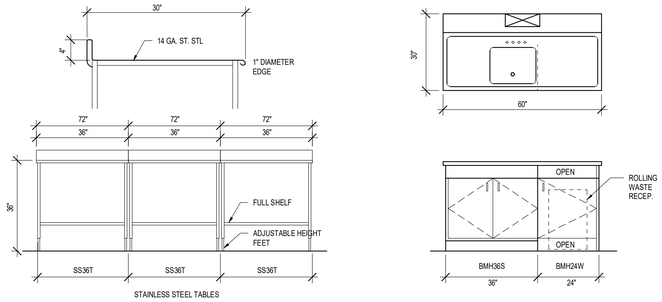
NFPA / UFC79
OSHA APPROVED

VENT TO FUME HOOD ABOVE

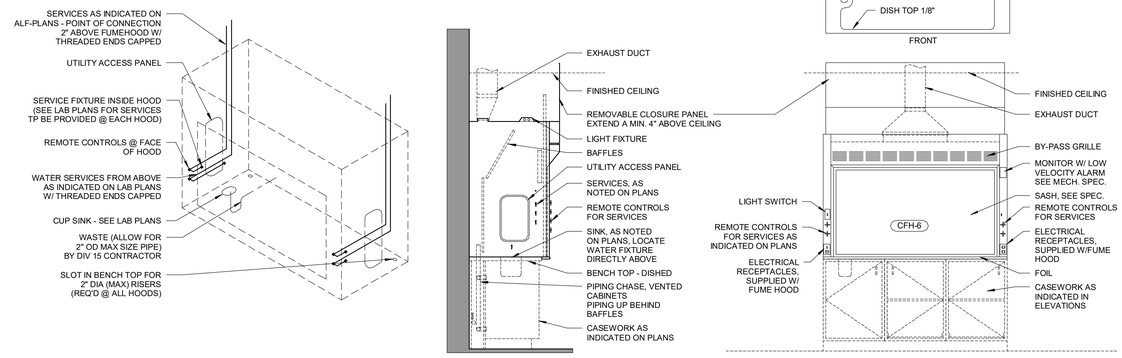
NFPA / UFC79
OSHA APPROVED



ABOVE COUNTER CABINETS



STAINLESS STEEL TABLES



1 FUME HOOD DETAILS

SCALE: 1/2" = 1'-0"

8 0 8 16

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

12/6/2021 10:27:54 AM BIM 360://21536-00 NFIL/501092900_NFIL_A_R21.rvt

PHASE:
DESIGN DEVELOPMENT:
50% CONSTRUCTION DOCUMENTS:
100% CONSTRUCTION DOCUEMENTS:
ADDENDUM 1:
ADDENDUM 2:

ID:	REVISION:	DRAWN:	REVIEWED:	DATE:
		RAV	BSP	10/7/21
		RAV	BSP	12/6/21

DRAWN: RAV RAV
REVIEWED: BSP BSP
DATE: 10/7/21 12/6/21

Client: Innovation Park
Tallahassee, Florida

Job Title: North Florida Innovation Labs

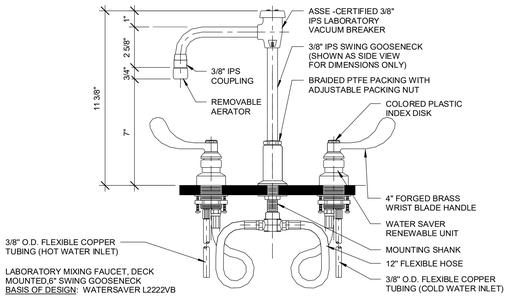
Seal:

Project #: 501092900
Phase: 100% CONSTRUCTION DOCUMENTS

ALW
Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net

Description:
TYP. LABORATORY CASEWORK

Sheet No.:
LF001



LABORATORY MIXING FAUCET, DECK MOUNTED,6" SWING GOOSENECK
BASIS OF DESIGN: WATERSAVER L2222VB

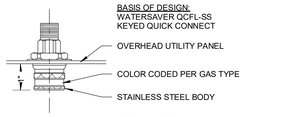
1 1-HW/CW
SCALE: 3" = 1'-0"

PLUMBING FIXTURE SCHEDULE

TYPE	COUNT	SERVICE	LAB FITTING	DESCRIPTION	BASIS OF DESIGN
1-HW/CW	30	HOT WATER, COLD WATER	1	LABORATORY MIXING FAUCET, DECK MOUNTED, 6" SWING VACUUM BREAKER GOOSENECK, AERATOR, WRIST BLADE HANDLES	WATERSAVER L2222VB
2-HPW	16	DI WATER	2	PURE WATER FAUCET, TIN-LINED BRASS, DECK MOUNTED, SELF-CLOSING CONTROL, 6" RIGID GOOSENECK	WATERSAVER L681
3-CW	6	COLD WATER	3	GOOSENECK OUTLET FITTING, PANEL MOUNTED, 6" SWING GOOSENECK, VACUUM BREAKER	WATERSAVER L072WSA
4-HW/CW	1	HOT WATER, COLD WATER	4	LABORATORY MIXING FAUCET, PANEL MOUNTED, 6" SWING GOOSENECK	WATERSAVER L512WS
5-HW/CW	1	HOT WATER, COLD WATER	5	PRE-RINSE UNIT, HOT AND COLD WATER, PANEL MOUNTED WITH VACUUM BREAKER	WATERSAVER PR1711-110WS
6-SG	9	SPECIALTY GAS	6	45 DEGREE ANGLE OUTLET FITTING, PANEL MOUNTED	WATERSAVER L022WSA
7-CA	22	COMPRESSED AIR	7	KEYED QUICK CONNECT	WATERSAVER QCFL-22
8-CA	53	COMPRESSED AIR	8	PRESSURE VALVE ASSEMBLY, PANEL MOUNTED	WATERSAVER L3173-366-758WSA
	16	DI WATER	8	BALL VALVE FOR FUTURE POLISHER	
9-EWES	16	COLD WATER	9	RECESSED SAFETY STATION WTH DRAIN PAN, RECESSED SHOWER HEAD	GUARDIAN GBF2150

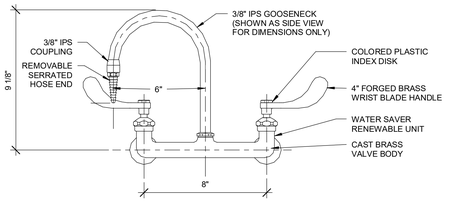
SINK SCHEDULE

TYPE	COUNT	DESCRIPTION	BASIS OF DESIGN
SK-1	27	CORNER DRAIN DROP-IN EPOXY SINK	KEWAUNEE SCIENTIFIC MODEL 1043-00
SK-2	6	CENTER DRAIN EPOXY CUP SINK	KEWAUNEE SCIENTIFIC MODEL 0491
SK-3	1	DOUBLE COMPARTMENT SKULLERY SINK	ELKAY WNSF8248LR
SK-4	3	CORNER DRAIN DROP-IN EPOXY SINK	KEWAUNEE SCIENTIFIC MODEL 1005-ADA-DI



FITTING NOTES:
CONTRACTOR TO PROVIDE 1 COLOR CODED QUICK CONNECT LOCKING PLUG WITH HOSE PER FITTING. HOSE TYPE AND PLUG BASED ON GAS TYPE.

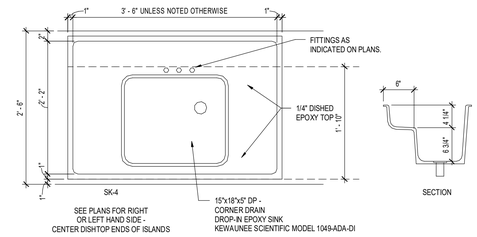
7 7-CA
SCALE: 3" = 1'-0"



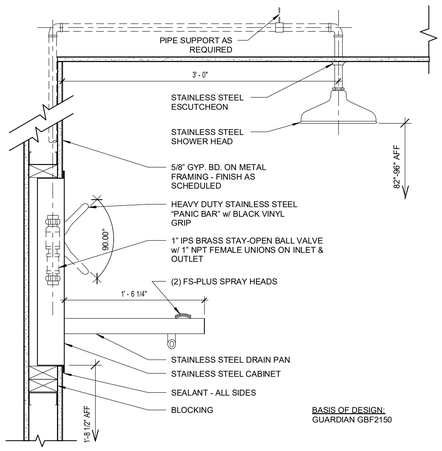
LABORATORY MIXING FAUCET, PANEL MOUNTED, 6" SWING GOOSENECK

BASIS OF DESIGN: WATERSAVER L512WS

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

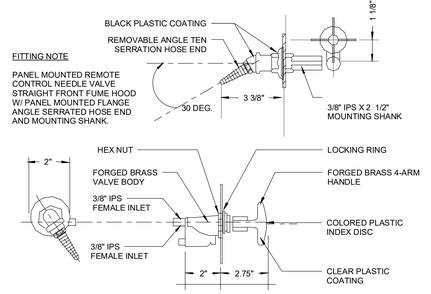


SK-4 SK-4
SCALE: 1" = 1'-0"



BASIS OF DESIGN:
GUARDIAN GBF2150

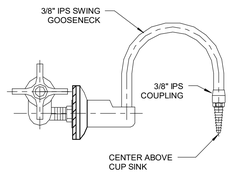
9 9-EWES
SCALE: 1 1/2" = 1'-0"



BASIS OF DESIGN: WATERSAVER L022WSA

NOTES:
1. PROVIDE 1 1/4" HOLE FOR MOUNTING VALVE.
2. PANEL THICKNESS NOT TO EXCEED 1/8".

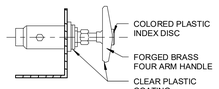
6 6-SG
SCALE: 3" = 1'-0"



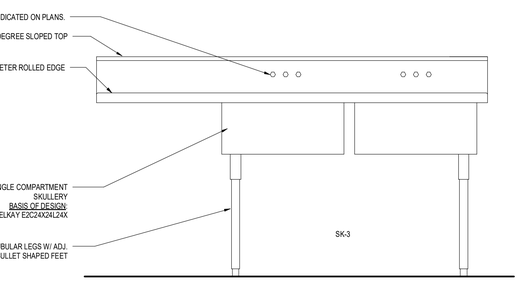
BASIS OF DESIGN: L072WSA

FITTING NOTE:
PANEL MOUNTED REMOTE CONTROL WATER VALVE W/CONCEALED VACUUM BREAKER WITHIN FUME HOOD UTILITY PANEL, SERRATED HOSE END & MOUNTING SHANK

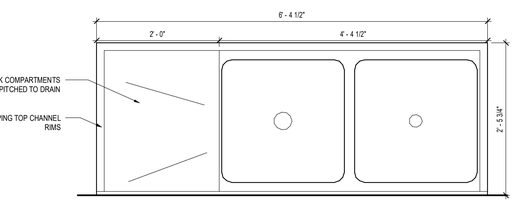
TIN OR POLYPROPYLENE LINED, SELF CLOSING CONTROL AT DI WATER LOCATIONS

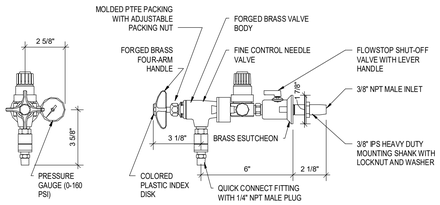


3 3-CW
SCALE: 3" = 1'-0"



SK3 SK-3
SCALE: 1" = 1'-0"

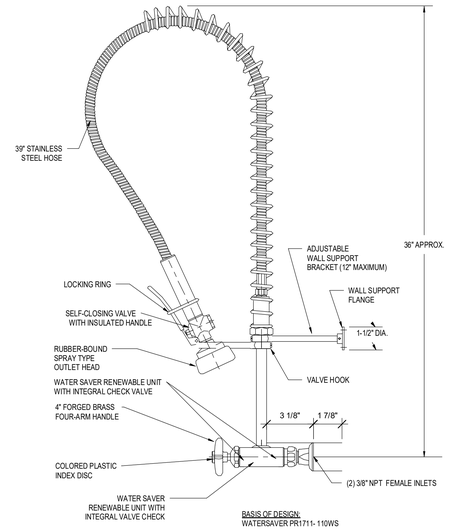




BASIS OF DESIGN:
WATERSAVER L3173-366V-758WSA

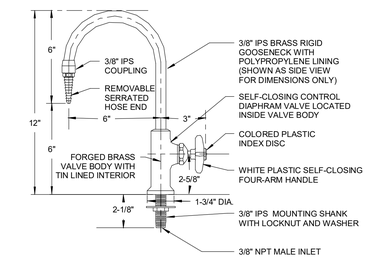
FITTING NOTES:
1. FIXTURE IS CLEANED, DEGREASED AND PACK FOR HIGH PURITY GAS SERVICE.
2. FIXTURE IS FULL ASSEMBLED AND FACTORY TESTED PRIOR TO SHIPMENT.
3. FIXTURE HAS A POLISHED CHROME PLATED FINISH.

8 8-CA
SCALE: 3" = 1'-0"



BASIS OF DESIGN:
WATERSAVER PR1711- 110WS

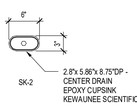
5 5-HW/CW
SCALE: 3" = 1'-0"



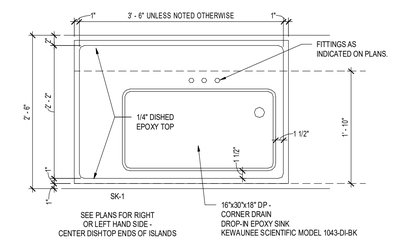
PURE WATER FAUCET, TIN-LINED BRASS, DECK MOUNTED, SELF-CLOSING CONTROL, 6" RIGID GOOSENECK

BASIS OF DESIGN: WATERSAVER L681

2 2-HPW
SCALE: 3" = 1'-0"



SK2 SK-2
SCALE: 1" = 1'-0"



SK1 SK-1
SCALE: 1" = 1'-0"

PHASE:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT:	RAV	BSP	10/7/21
50% CONSTRUCTION DOCUMENTS:	RAV	BSP	12/8/21
100% CONSTRUCTION DOCUMENTS:			
ADDENDUM 1:			
ADDENDUM 2:			

ID:	REVISION:	DRAWN:	REVIEWED:	DATE:

Client: Innovation Park
Tallahassee, Florida

Job Title: North Florida Innovation Labs

Seal:

Project #: 501923000
Phase: 100% CONSTRUCTION DOCUMENTS

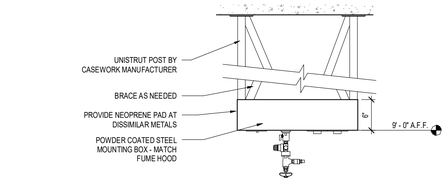
ALW
Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net

Description:
LABORATORY FIXTURES

Sheet No.:
LF002

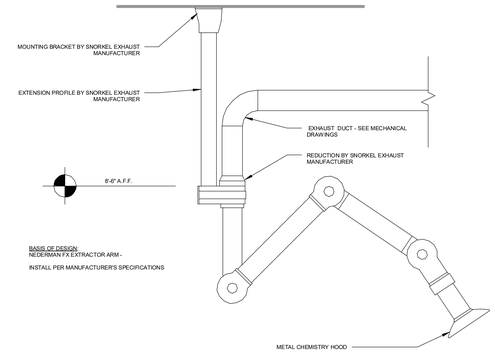
1/28/2021 10:27:55 AM BIM 360://2156-00 NFIL/501092300_NFIL_A_R20.rvt

LAB ACCESSORIES SCHEDULE	
MARK	DESCRIPTION
1	COAT RACK
2	DRYING RACK
3	SNORKEL
	A) CEILING MOUNTED SNORKEL
	B) WALL MOUNTED SNORKEL
4	POWER AND COMMUNICATIONS RACEWAY
5	DROP DOWN UTILITY PANEL
6	CEILING MOUNTED UTILITY PANEL



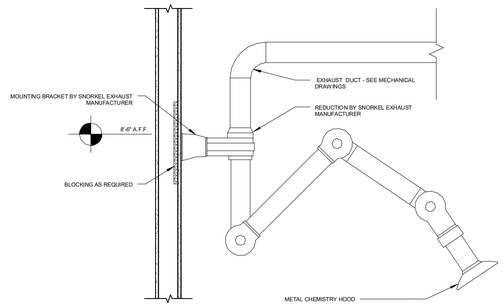
5 DROP DOWN UTILITY CEILING PANEL

SCALE: 1" = 1'-0"



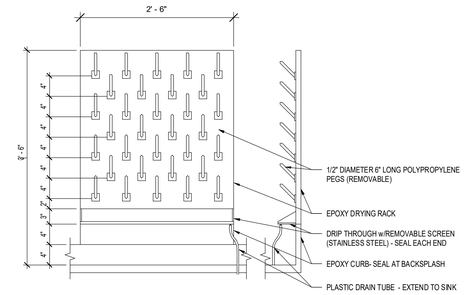
3A SNORKEL EXHAUST - CEILING MOUNTED

SCALE: 1" = 1'-0"



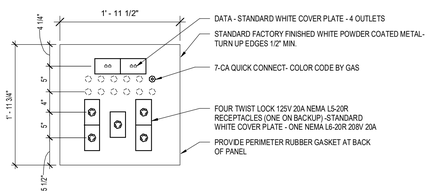
3B SNORKEL EXHAUST - WALL MOUNTED

SCALE: 1" = 1'-0"



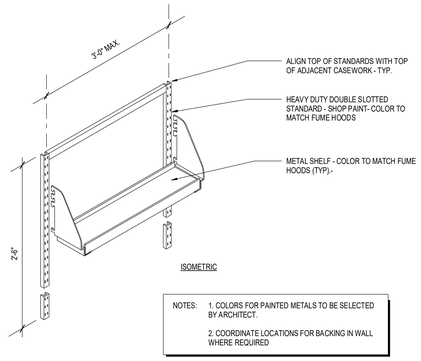
2 DRYING RACK

SCALE: 1" = 1'-0"



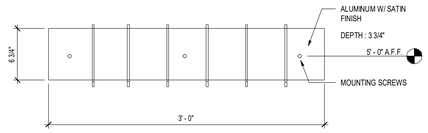
6 OVERHEAD UTILITY PANELS

SCALE: 1" = 1'-0"



4 ADJUSTABLE SHELVES

SCALE: 1 1/2" = 1'-0"



1 6 HOOK COAT RACK

SCALE: 1 1/2" = 1'-0"

8 0 8 16

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

PHASE:	
DESIGN DEVELOPMENT:	
50% CONSTRUCTION DOCUMENTS:	
100% CONSTRUCTION DOCUMENTS:	
ADDENDUM 1:	
ADDENDUM 2:	

	DRAWN:	REVIEWED:	DATE:
	Author	Checker	10/7/21
	RAV	BSP	12/6/21

NO.	REVISION:	DRAWN	REVIEWED	DATE

Client: Innovation Park
Tallahassee, Florida

Job Title: North Florida Innovation Labs

Seal:

Project #: 5010929000
Phase: 100% CONSTRUCTION DOCUMENTS

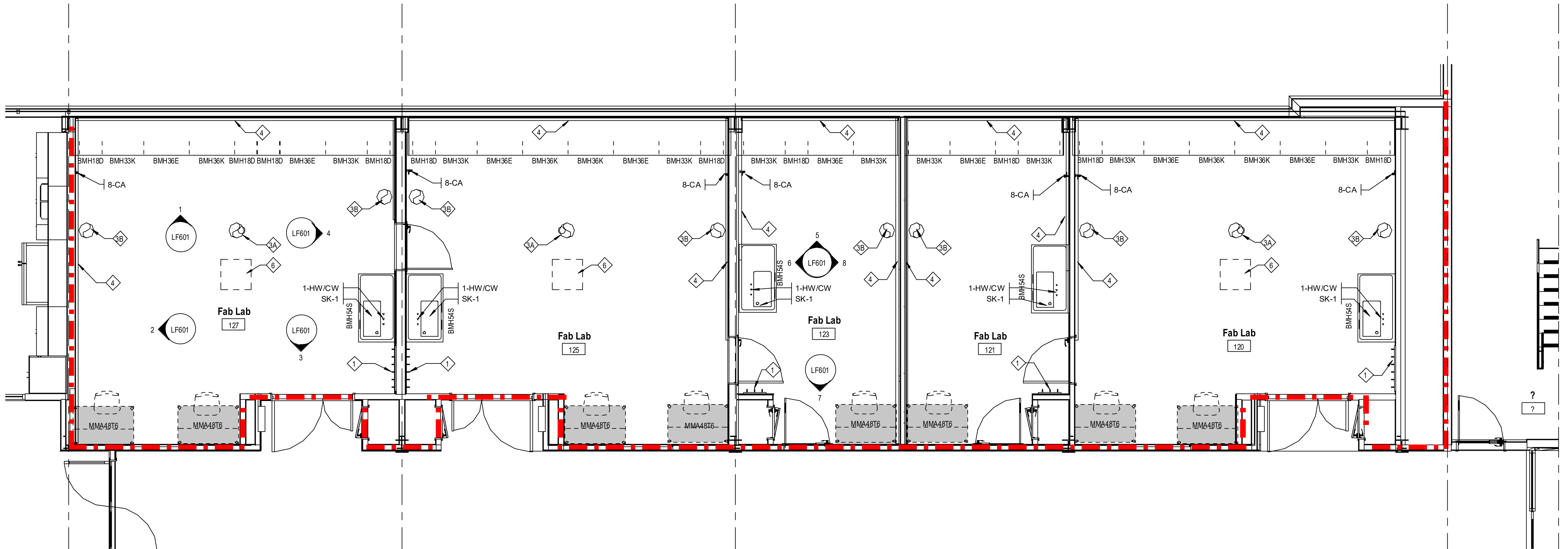
Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net

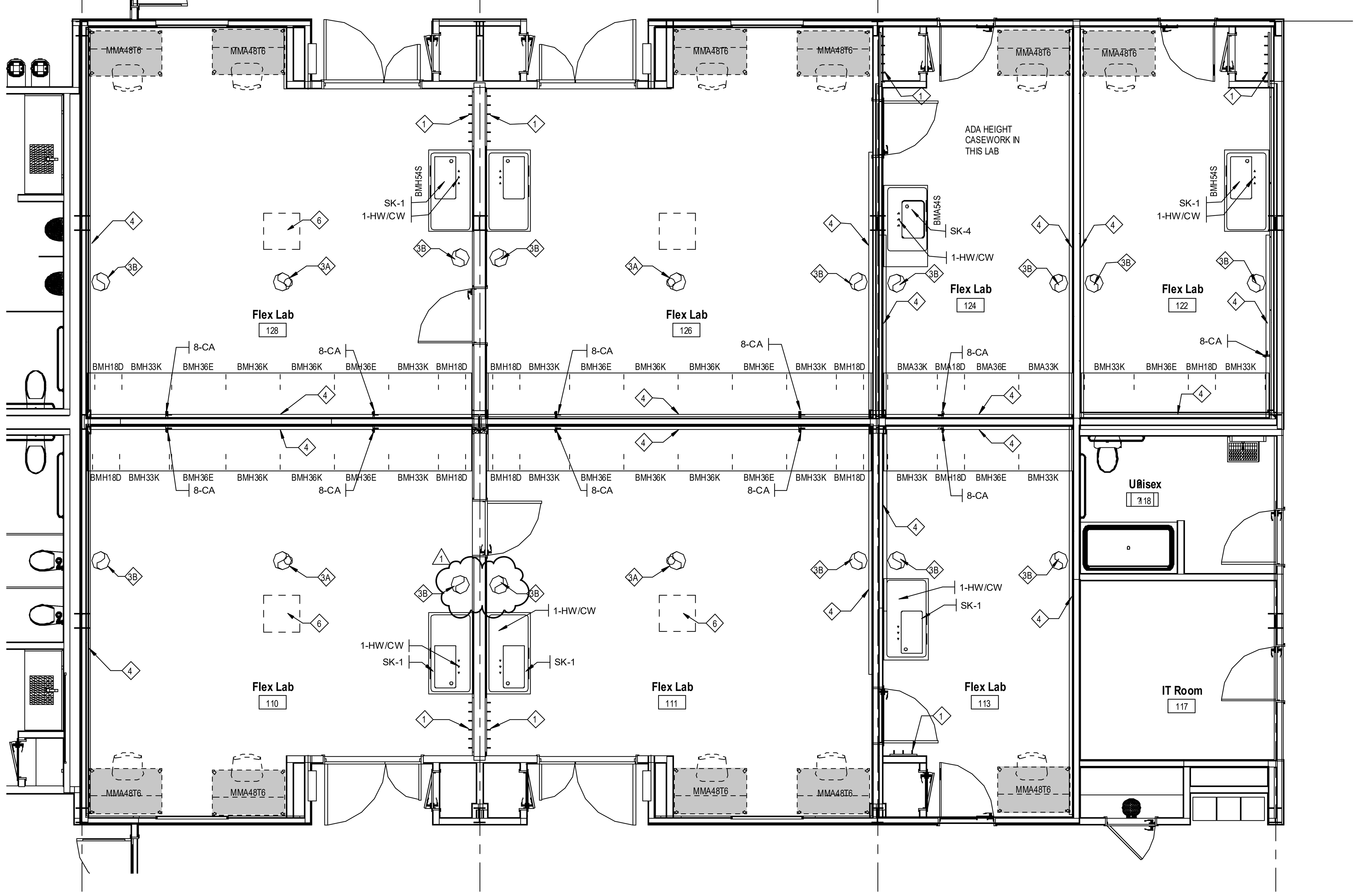
Description:
LABORATORY ACCESSORIES

Sheet No.:
LF003

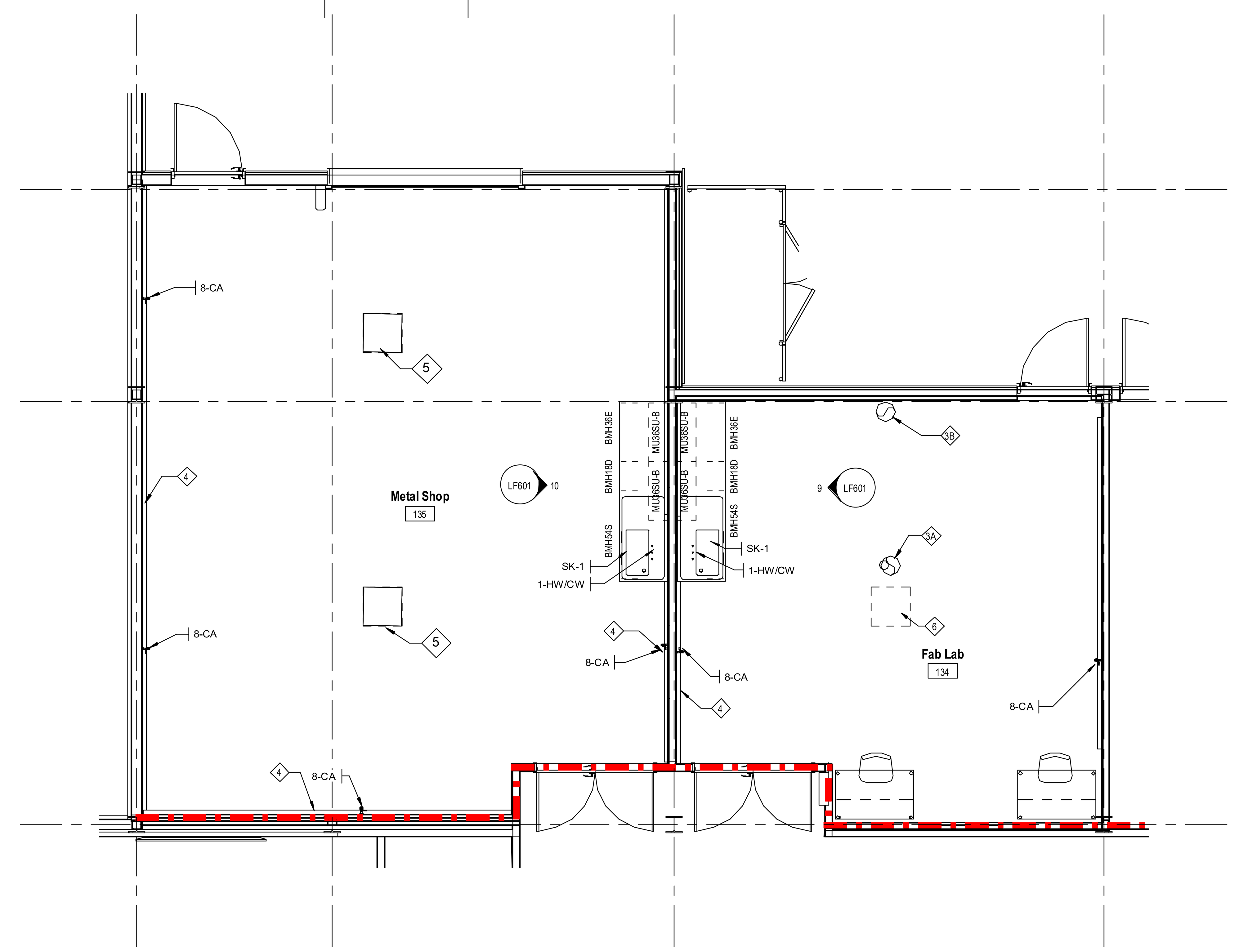
LAB ACCESSORIES SCHEDULE	
MARK	DESCRIPTION
1	COAT RACK
2	DRYING RACK
3	SNORKEL
	A) CEILING MOUNTED SNORKEL
	B) WALL MOUNTED SNORKEL
4	POWER AND COMMUNICATIONS RACEWAY
5	DROP DOWN UTILITY PANEL
6	CEILING MOUNTED UTILITY PANEL

TENANT PROVIDED FURNITURE AND EQUIPMENT



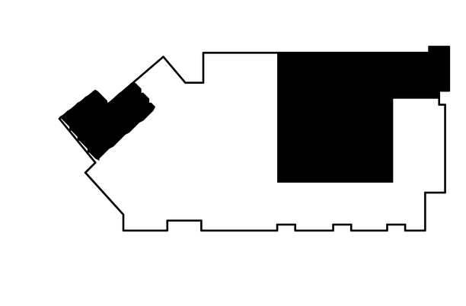


A1 ENLARGED LEVEL 1 PLAN
SCALE: 1/4" = 1'-0"



1 ENLARGED LEVEL 1 PLAN
SCALE: 1/4" = 1'-0"

KEY PLAN:



ID:	REVISION:	DRAWN:	REVIEWED:	DATE:
1	Addendum #1			1/10/2022

PHASE:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT:			
50% CONSTRUCTION DOCUMENTS:	RAV	BSP	10/7/21
100% CONSTRUCTION DOCUEMENTS:	RAV	BSP	12/9/21
ADDENDUM 1:	RAV	BSP	1/10/2022
ADDENDUM 2:			

Seal:

Consultant: RS&H
10748 Deerwood Park Blvd. South
Jacksonville, Florida 32256-0597
904-256-2500 Fax 904-256-2503
www.rsandh.com
FL Cert. Nos. AAC001886 * IB26000956 * 5620 * LCC000210 * GB238

Client:
Innovation Park
Tallahassee, Florida

Project #: 501092900
Phase: 100% CONSTRUCTION DOCUMENTS

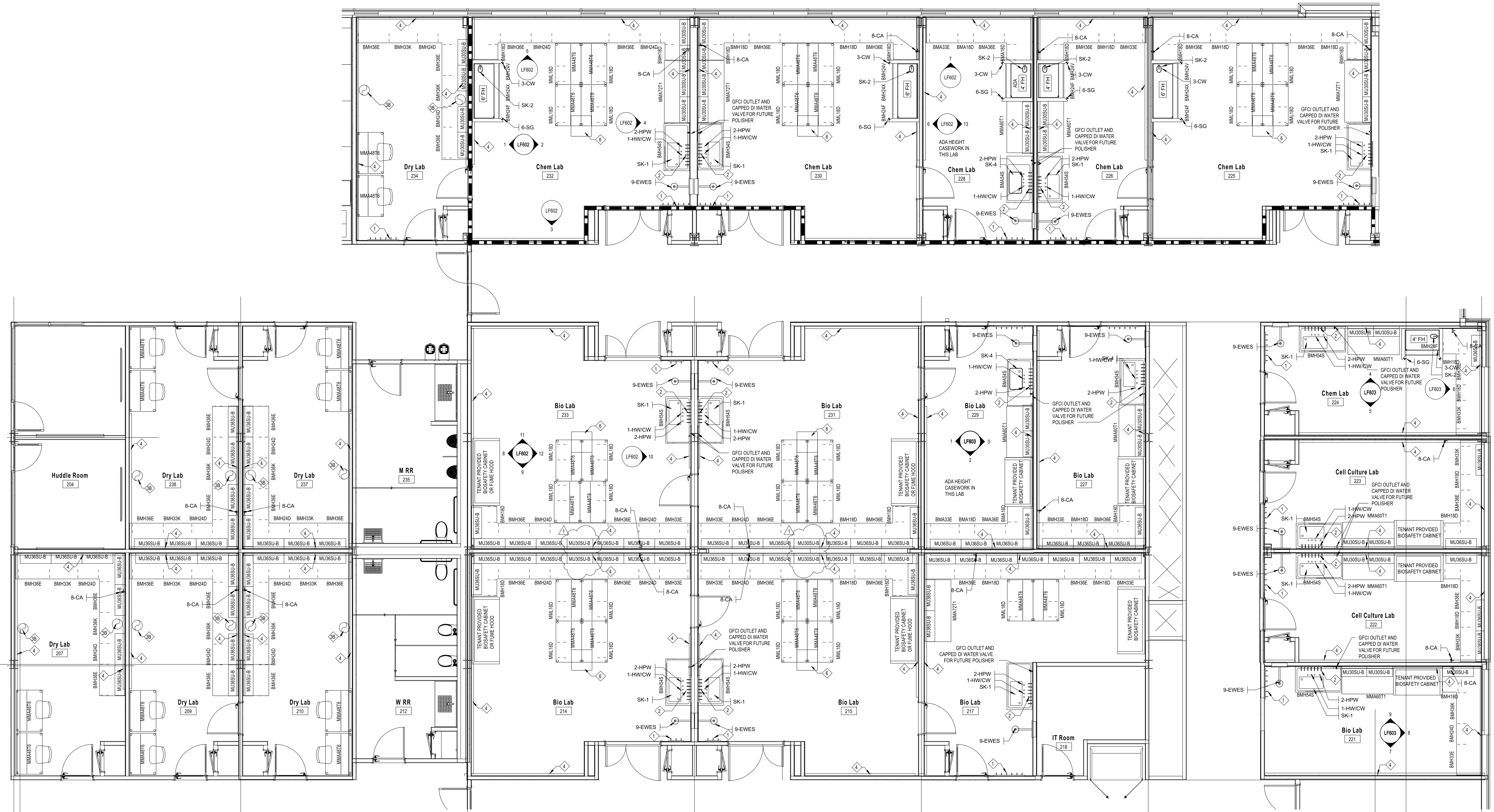
Job Title:
North Florida Innovation Labs

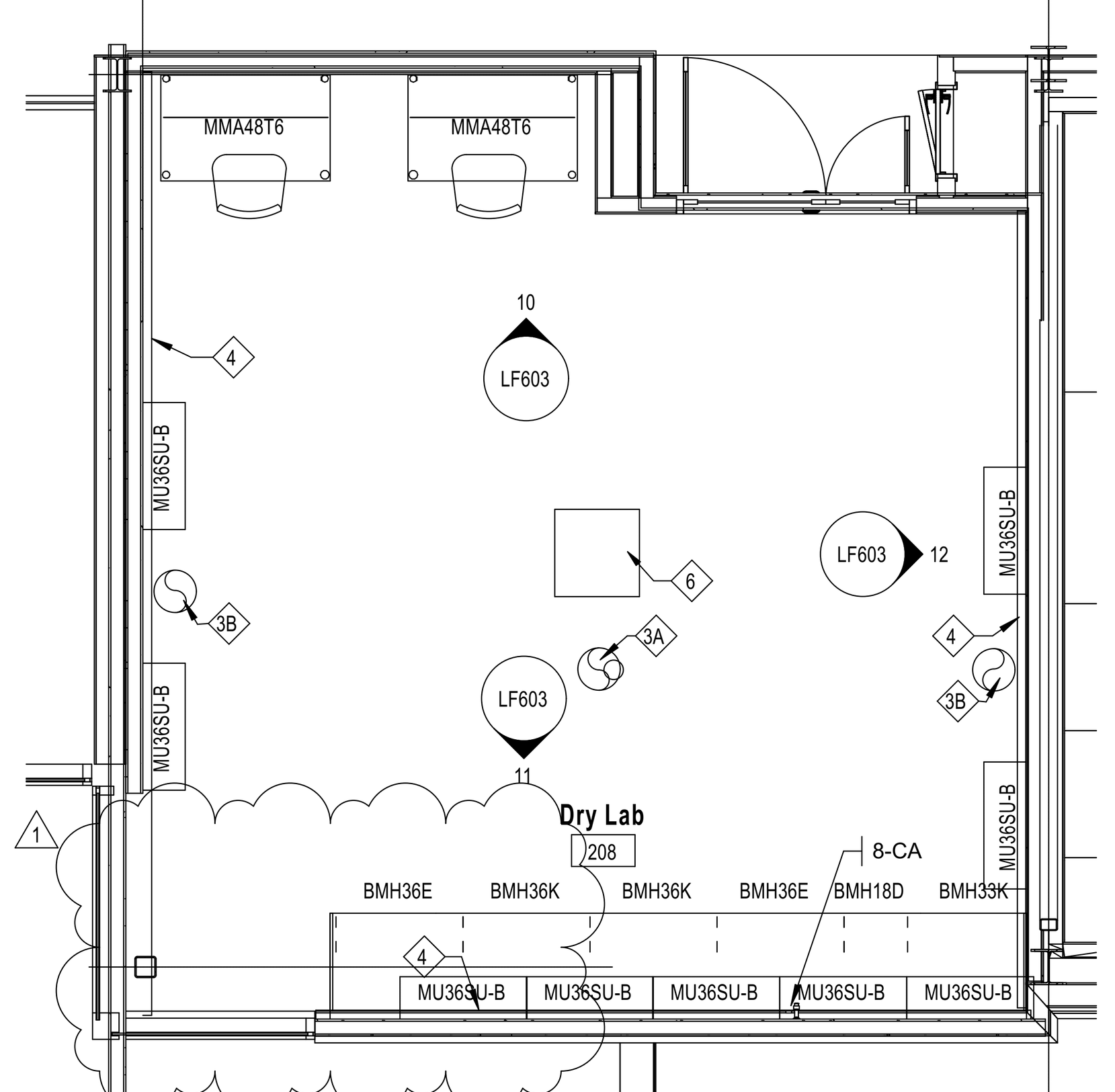
ALW

Description:
ENLARGED LABORATORY FURNISHING PLANS LEVEL 1

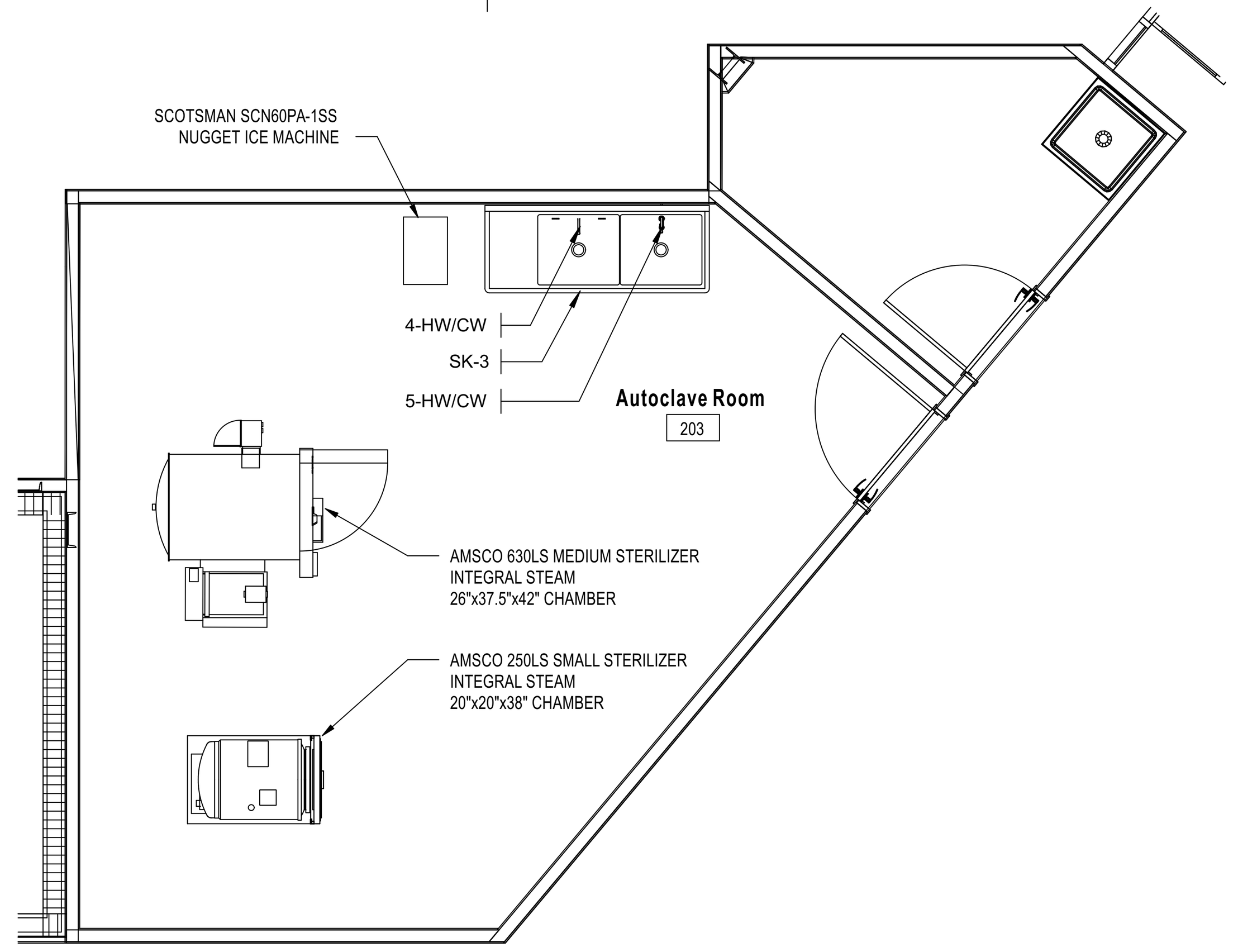
Sheet No.:
LF101

1/9/2022 5:18:38 PM BIM 360://21556-00 NFIL/501092900_NFIL_A_R20.rvt





1 2ND FLOOR
SCALE: 1/4" = 1'-0"



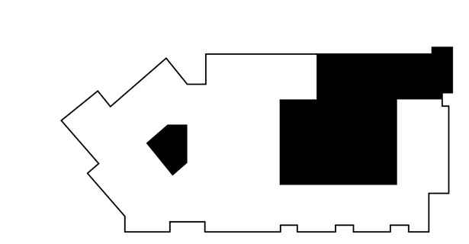
2 AUTOCLAVES
SCALE: 1/4" = 1'-0"

LAB ACCESSORIES SCHEDULE

MARK	DESCRIPTION
1	COAT RACK
2	DRYING RACK
3	SNORKEL
	A) CEILING MOUNTED SNORKEL
	B) WALL MOUNTED SNORKEL
4	POWER AND COMMUNICATIONS RACEWAY
5	DROP DOWN UTILITY PANEL
6	CEILING MOUNTED UTILITY PANEL

TENANT PROVIDED FURNITURE AND EQUIPMENT

KEY PLAN:



PHASE:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT:			
50% CONSTRUCTION DOCUMENTS:	RAV	BSP	10/7/21
100% CONSTRUCTION DOCUEMENTS:	RAV	BSP	12/9/21
ADDENDUM 1:			
ADDENDUM 2:			

ID:	REVISION:	DRAWN:	REVIEWED:	DATE:
1	Addendum #1			1/10/2022

Seal:

Consultant: RS&H
10748 Deerwood Park Blvd. South
Jacksonville, Florida 32256-0597
904-256-2500 Fax 904-256-2503
www.rsandh.com
FL Cert. Nos. AAC001886 * IB26000956 * 5620 * LCC000210 * GB238

Client:
Innovation Park
Tallahassee, Florida

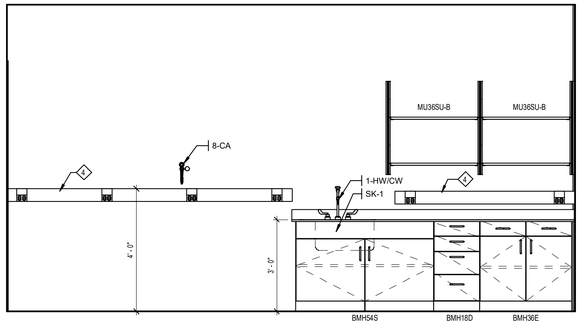
Job Title:
North Florida Innovation Labs

Project #: 5010929000
Phase: 100% CONSTRUCTION DOCUMENTS

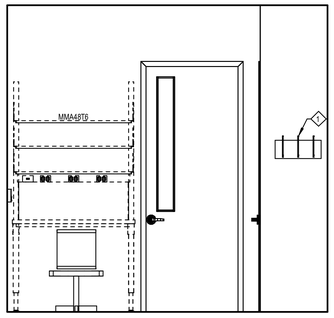
ALW

Description:
ENLARGED LABORATORY FURNISHING PLANS LEVEL 2

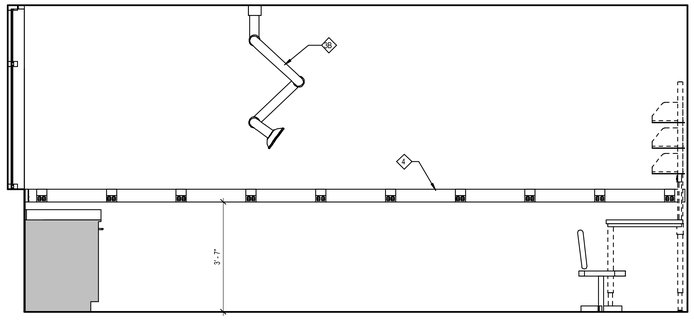
Sheet No.:
LF102



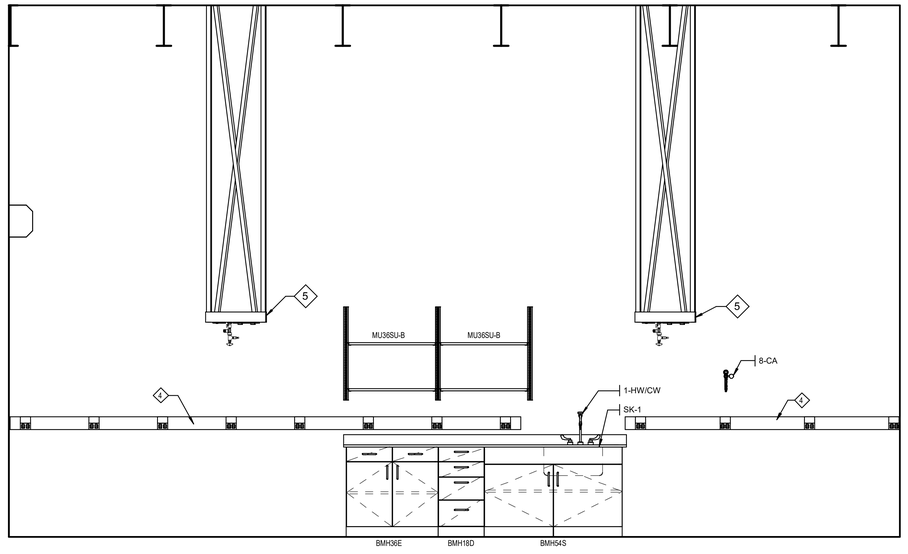
9 FAB LAB WEST ELEVATION
SCALE: 1/2" = 1'-0"



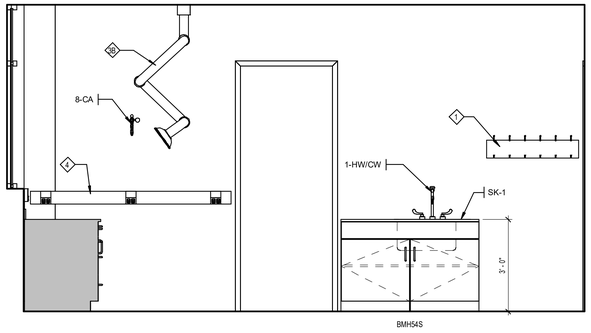
7 FLEX LAB 2 SOUTH
SCALE: 1/2" = 1'-0"



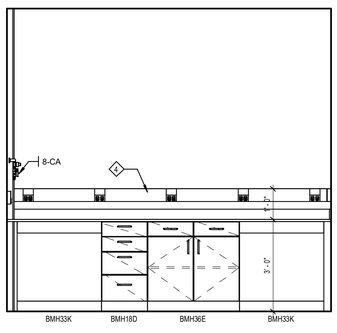
8 FLEX LAB 2 EAST
SCALE: 1/2" = 1'-0"



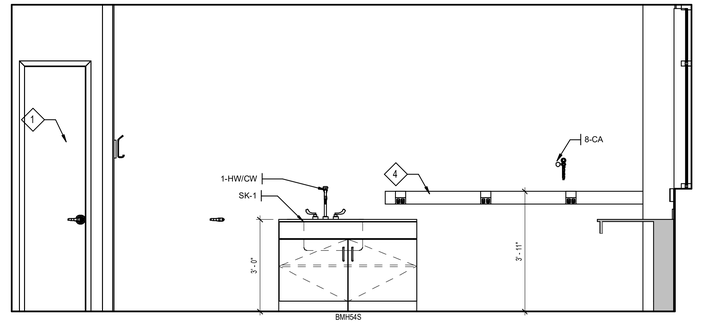
10 MACHINE SHOP EAST ELEVATION
SCALE: 1/2" = 1'-0"



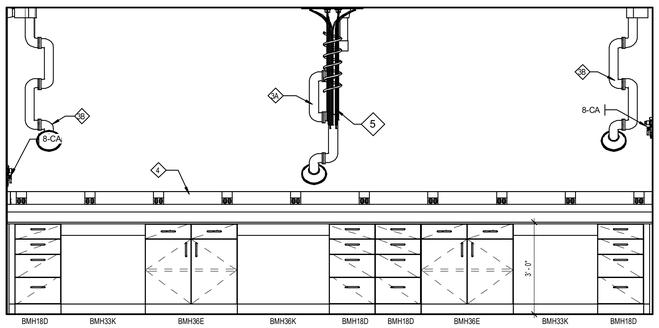
4 FLEX LAB EAST
SCALE: 1/2" = 1'-0"



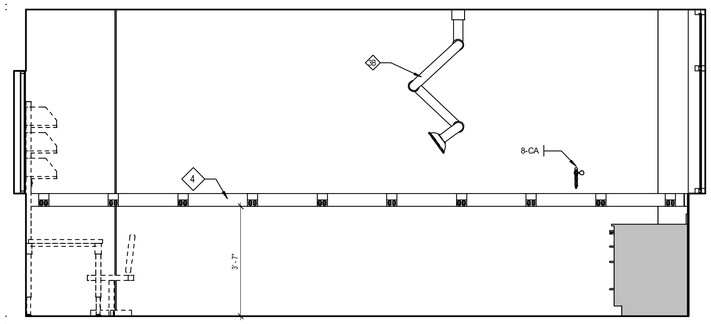
5 FLEX LAB 2 NORTH
SCALE: 1/2" = 1'-0"



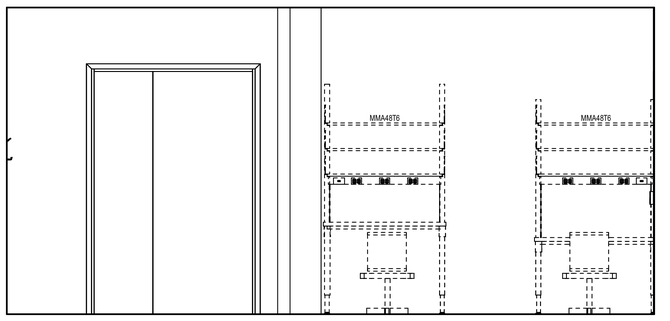
6 FLEX LAB 2 WEST
SCALE: 1/2" = 1'-0"



1 FLEX LAB NORTH
SCALE: 1/2" = 1'-0"



2 FLEX LAB WEST
SCALE: 1/2" = 1'-0"



3 FLEX LAB SOUTH
SCALE: 1/2" = 1'-0"

PHASE:
DESIGN DEVELOPMENT:
50% CONSTRUCTION DOCUMENTS:
100% CONSTRUCTION DOCUMENTS:
ADDENDUM 1:
ADDENDUM 2:

	DRAWN:	REVIEWED:	DATE:
50% CONSTRUCTION DOCUMENTS:	RAV	BSP	10/7/21
100% CONSTRUCTION DOCUMENTS:	RAV	BSP	12/8/21

ID:	REVISION:	DRAWN:	REVIEWED:	DATE:

Client: Innovation Park
Tallahassee, Florida

Job Title: North Florida Innovation Labs

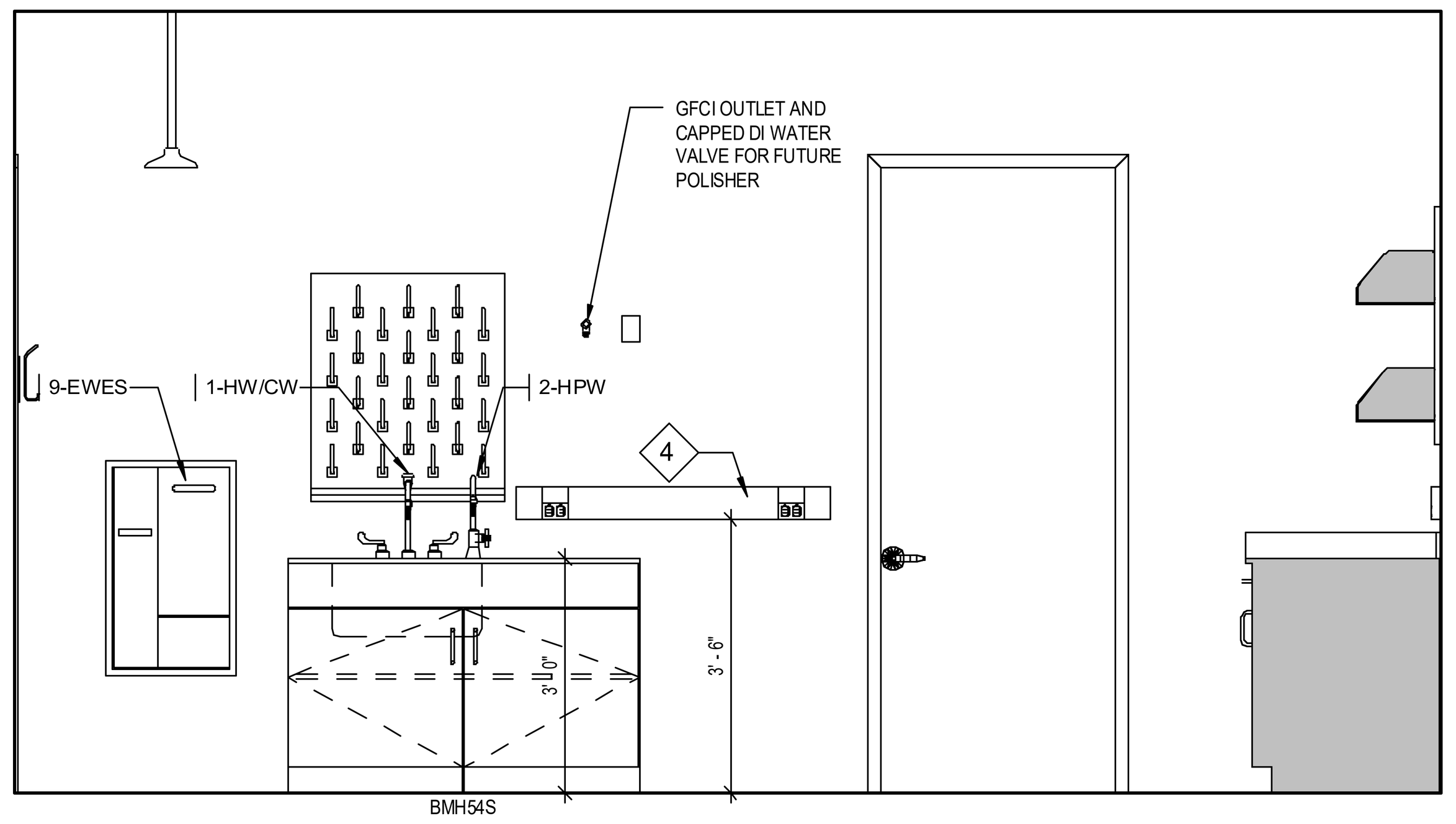
Seal:

Project #: 501092900
Phase: 100% CONSTRUCTION DOCUMENTS

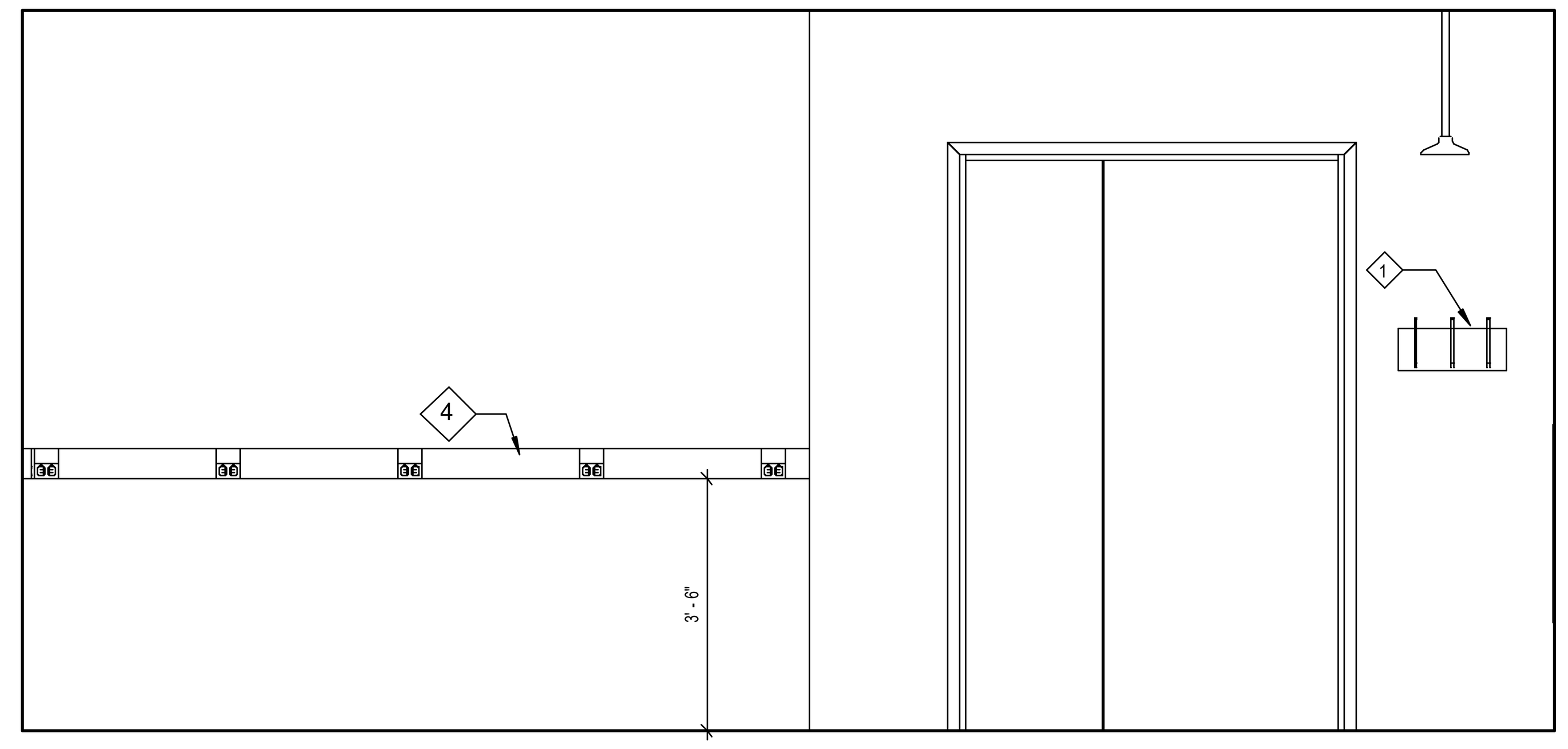
ALW
Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net

Description:
INTERIOR ELEVATIONS

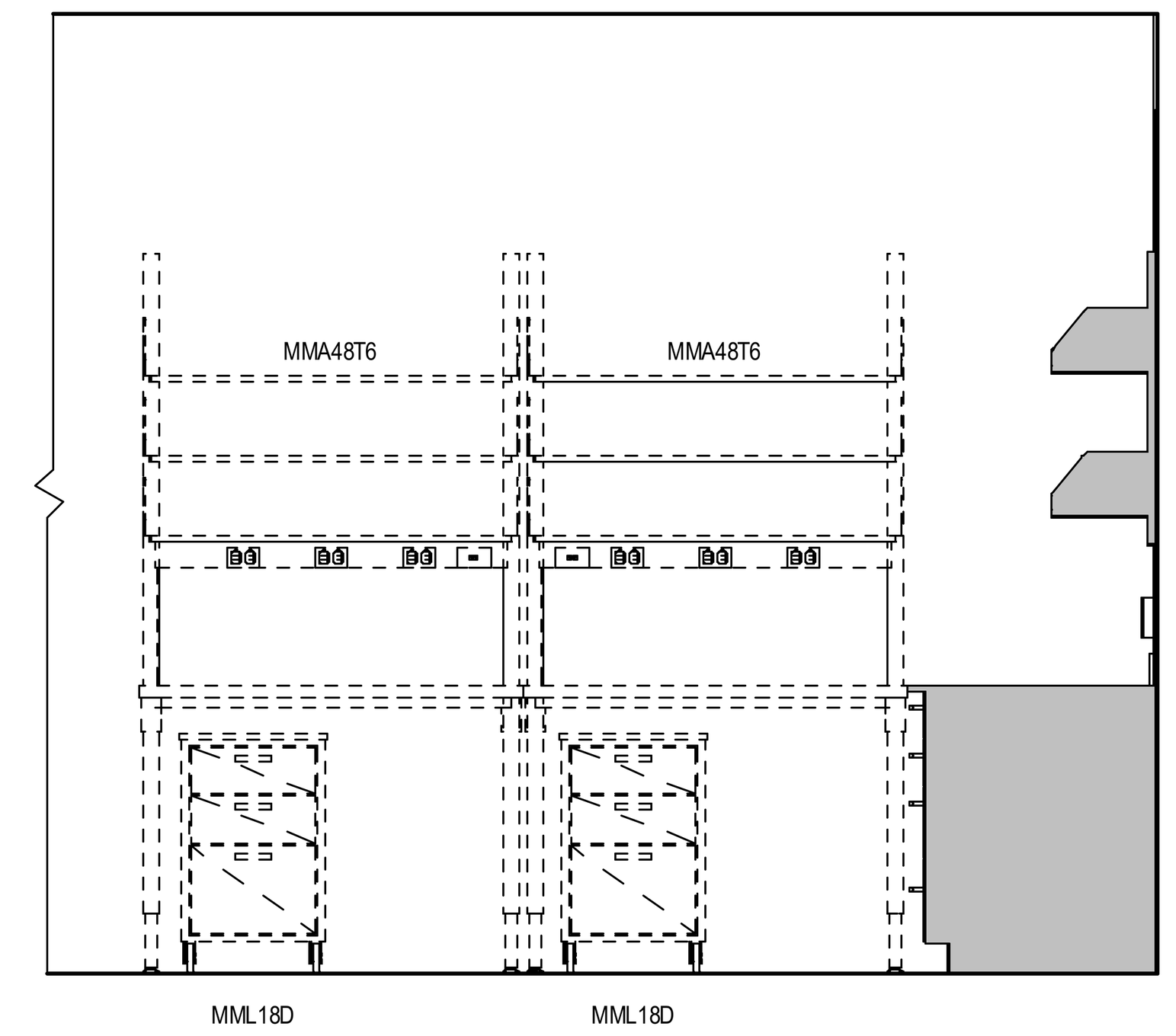
Sheet No.:
LF601



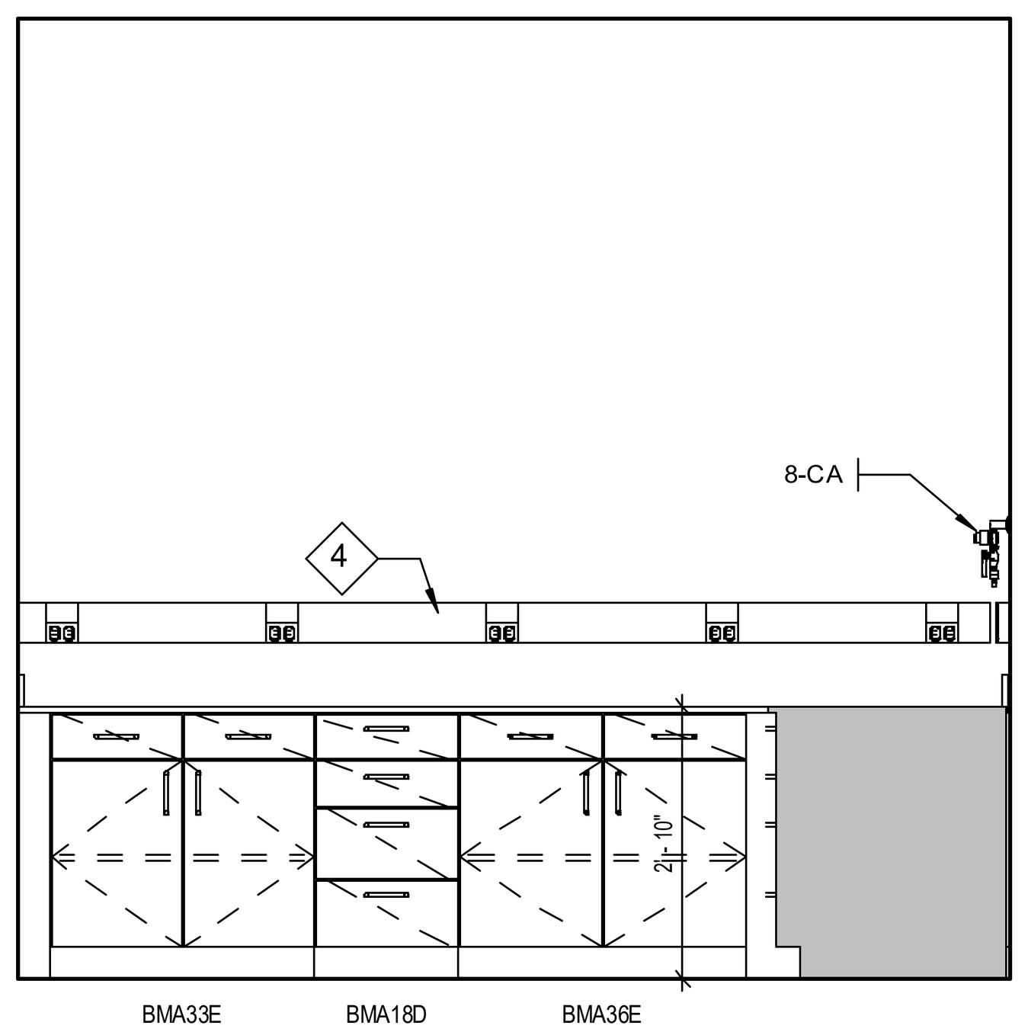
10 BIO LAB EAST WALL
SCALE: 1/2" = 1'-0"



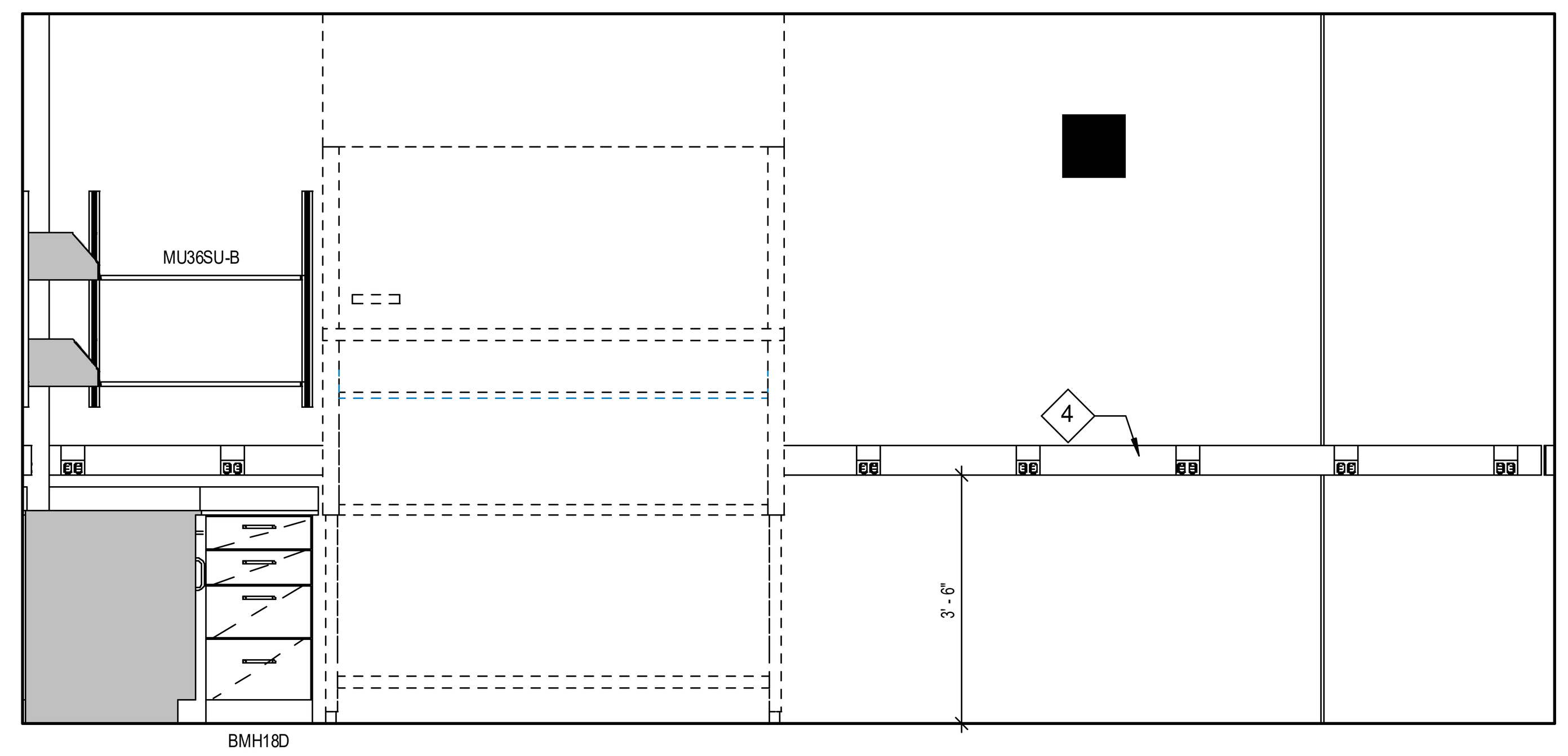
11 BIO LAB NORTH
SCALE: 1/2" = 1'-0"



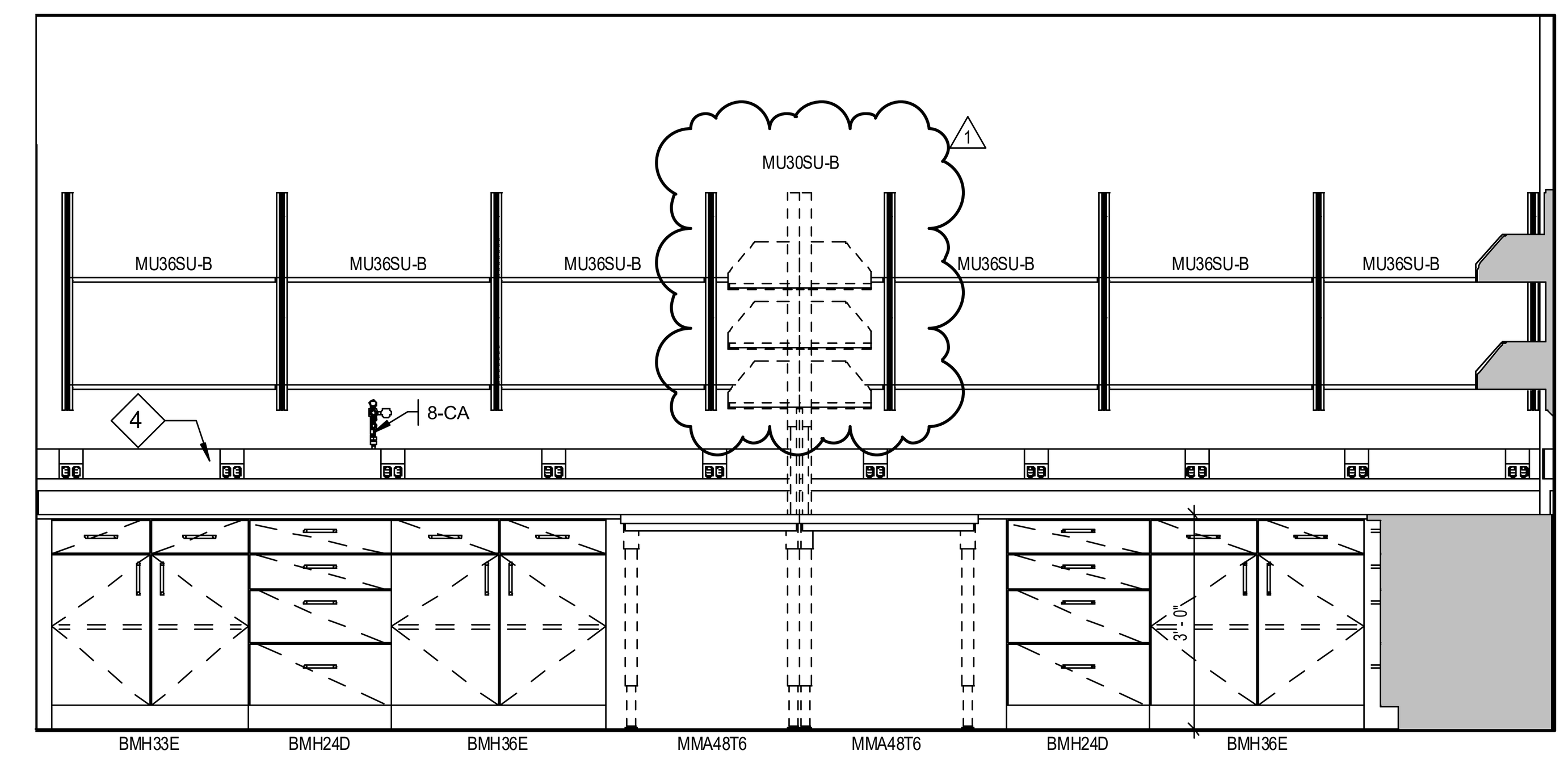
12 BIO LAB EAST
SCALE: 1/2" = 1'-0"



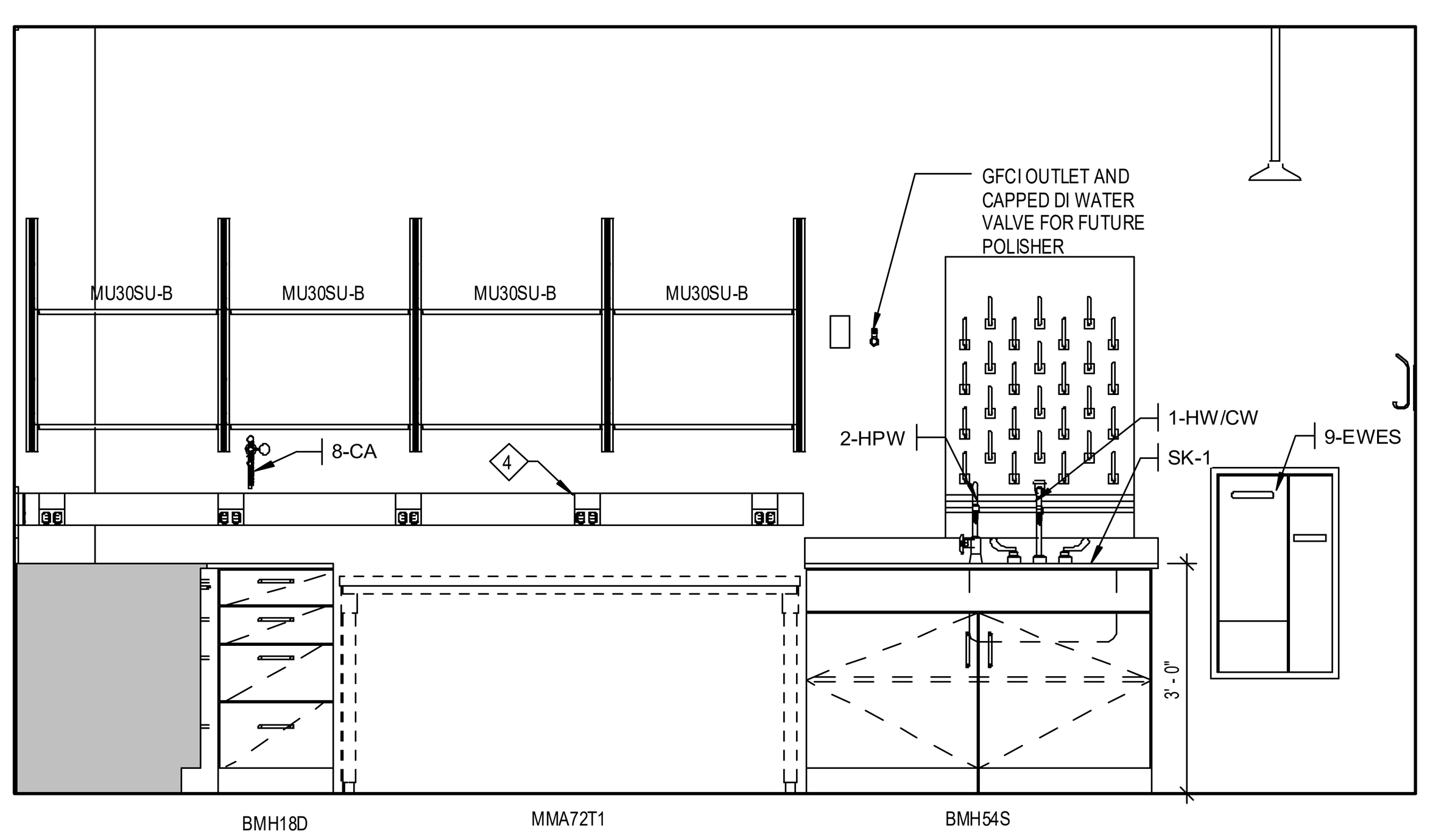
7 CHEM LAB 4 NORTH
SCALE: 1/2" = 1'-0"



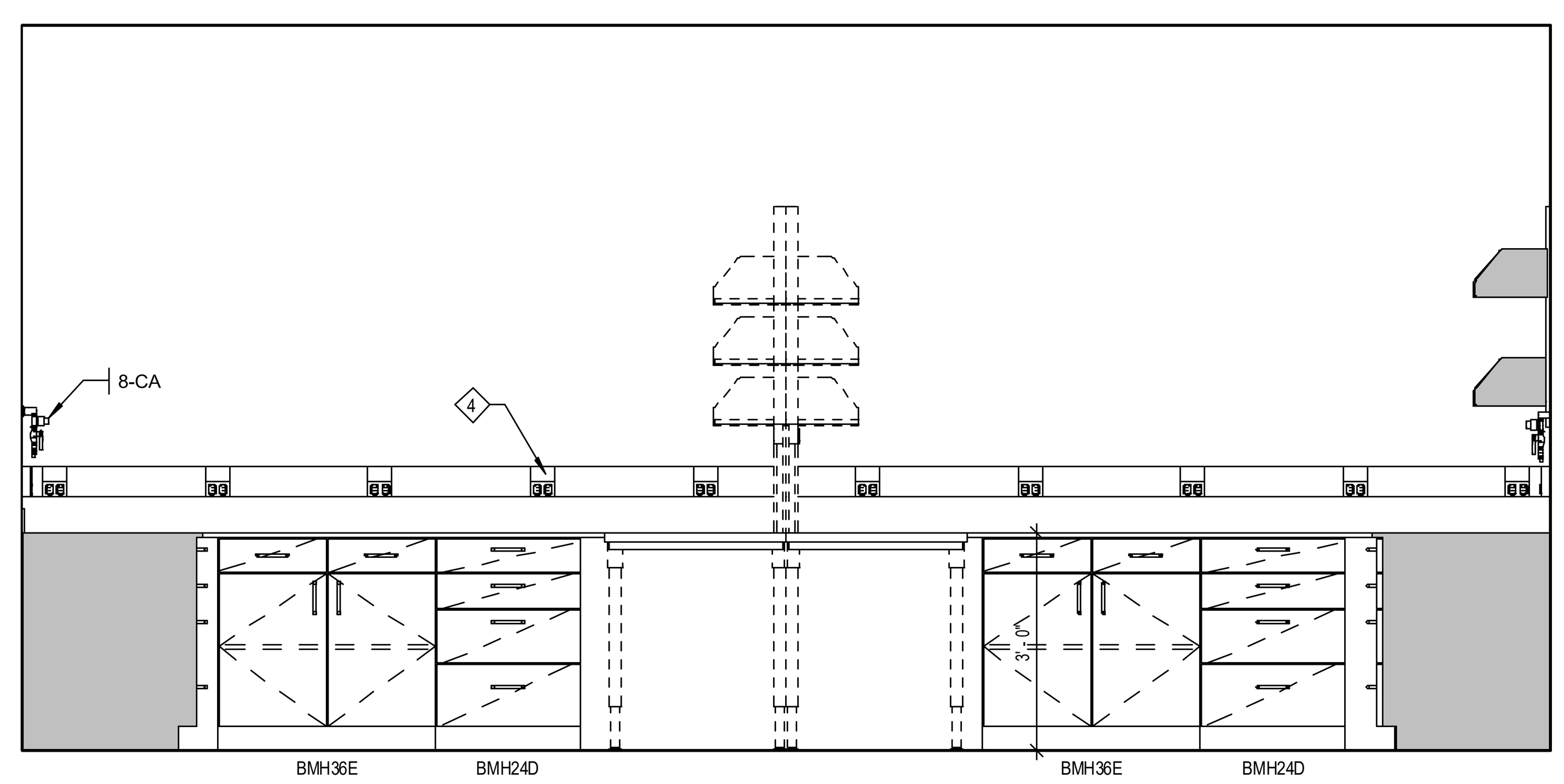
8 BIO LAB WEST
SCALE: 1/2" = 1'-0"



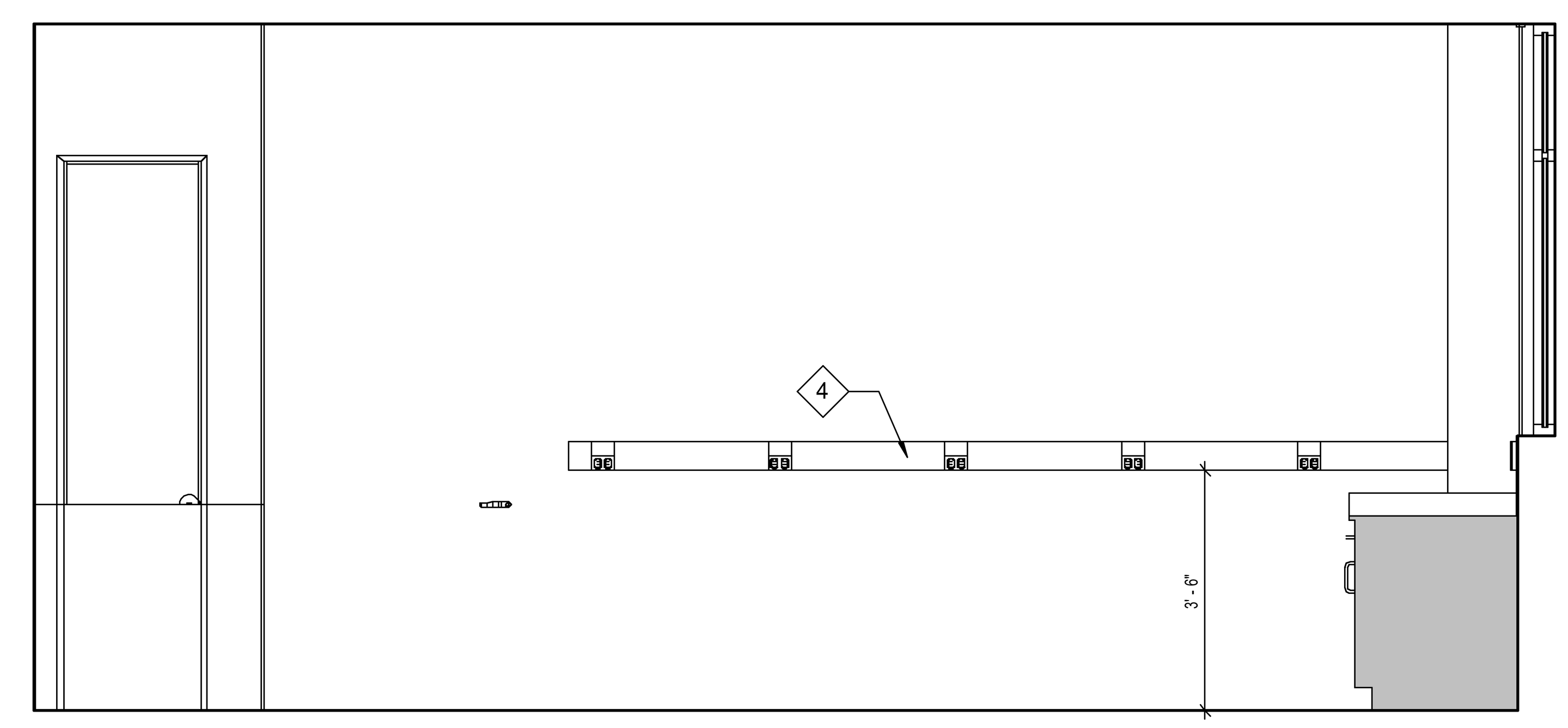
9 BIO LAB SOUTH
SCALE: 1/2" = 1'-0"



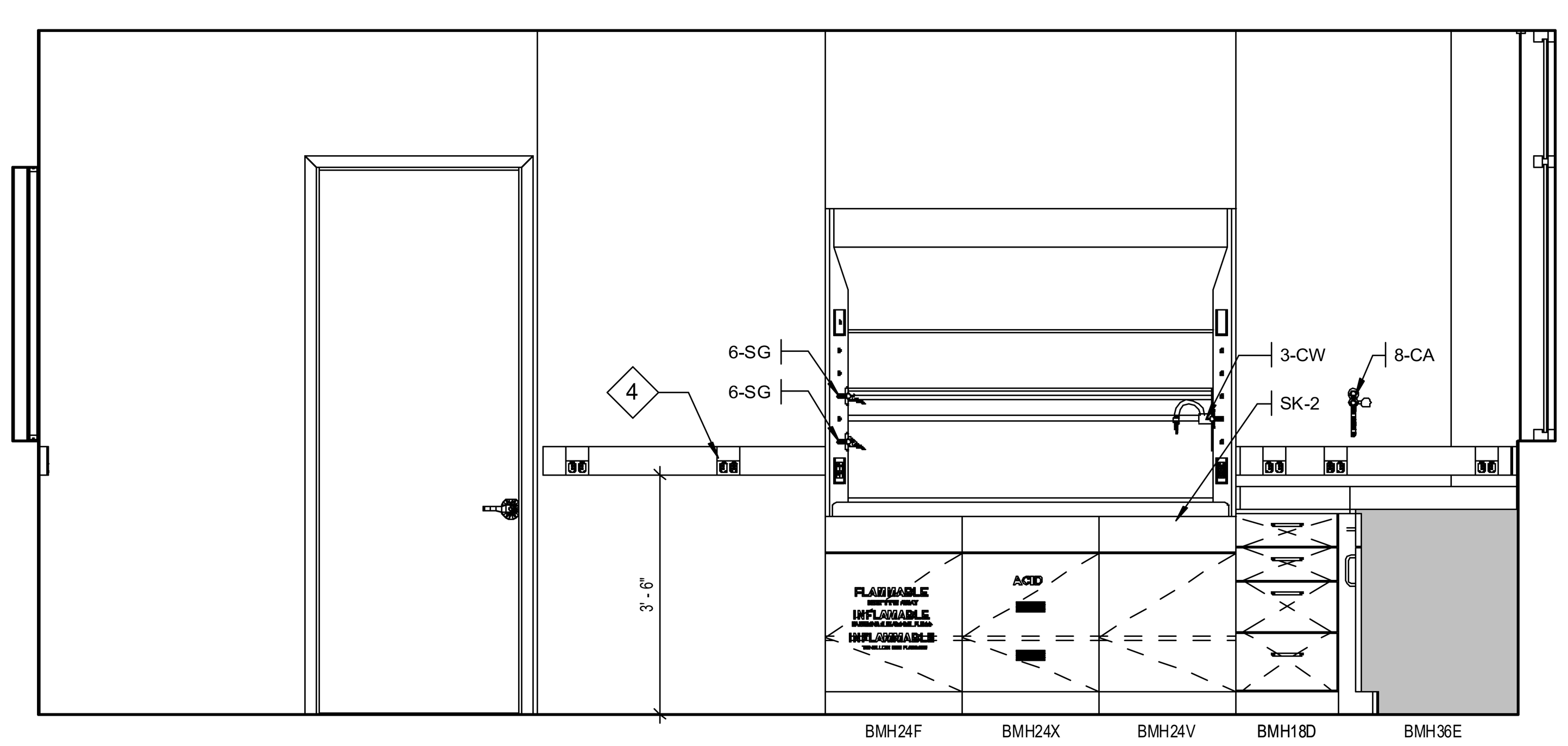
4 CHEM LAB EAST WALL
SCALE: 1/2" = 1'-0"



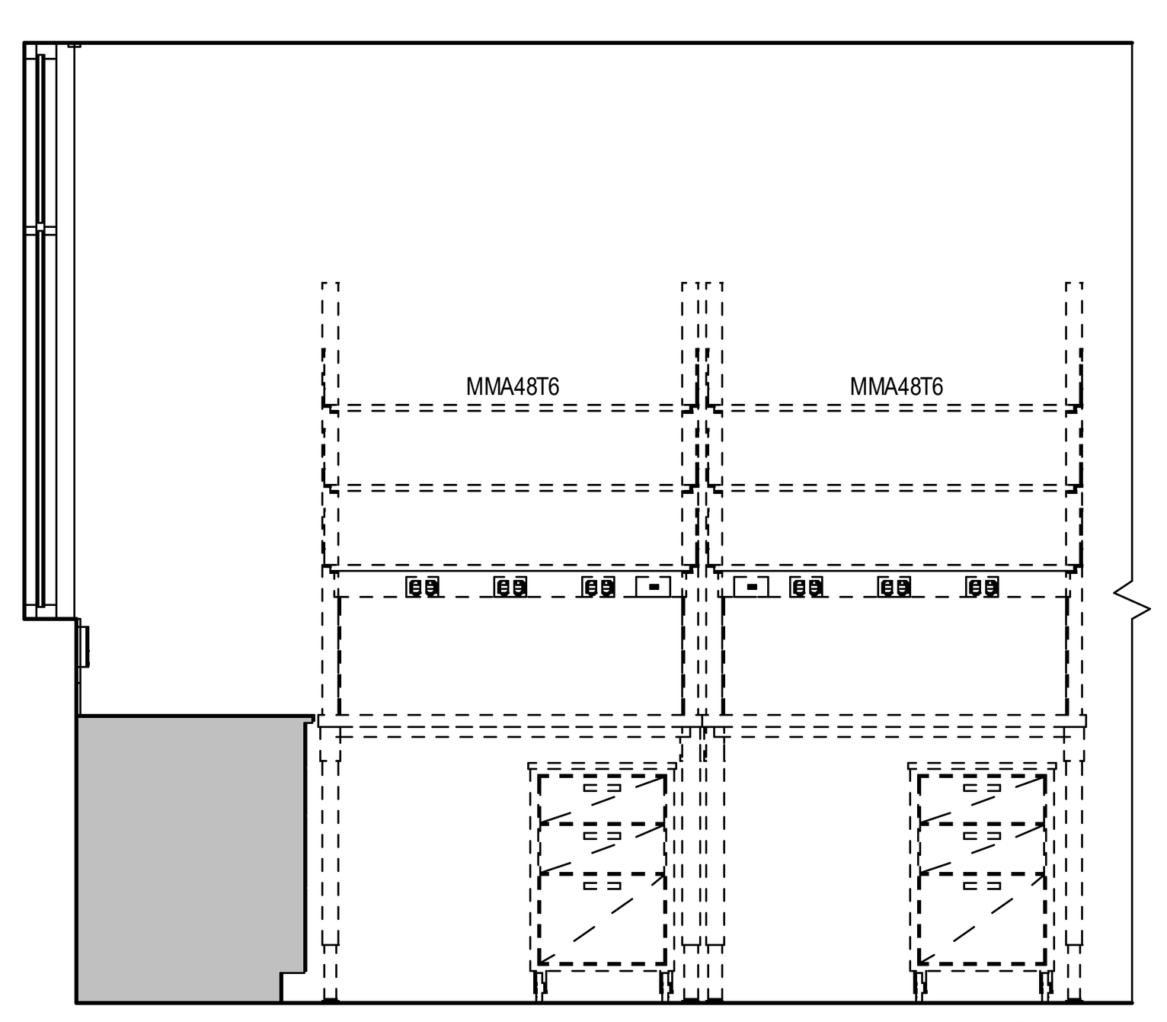
5 CHEM LAB NORTH
SCALE: 1/2" = 1'-0"



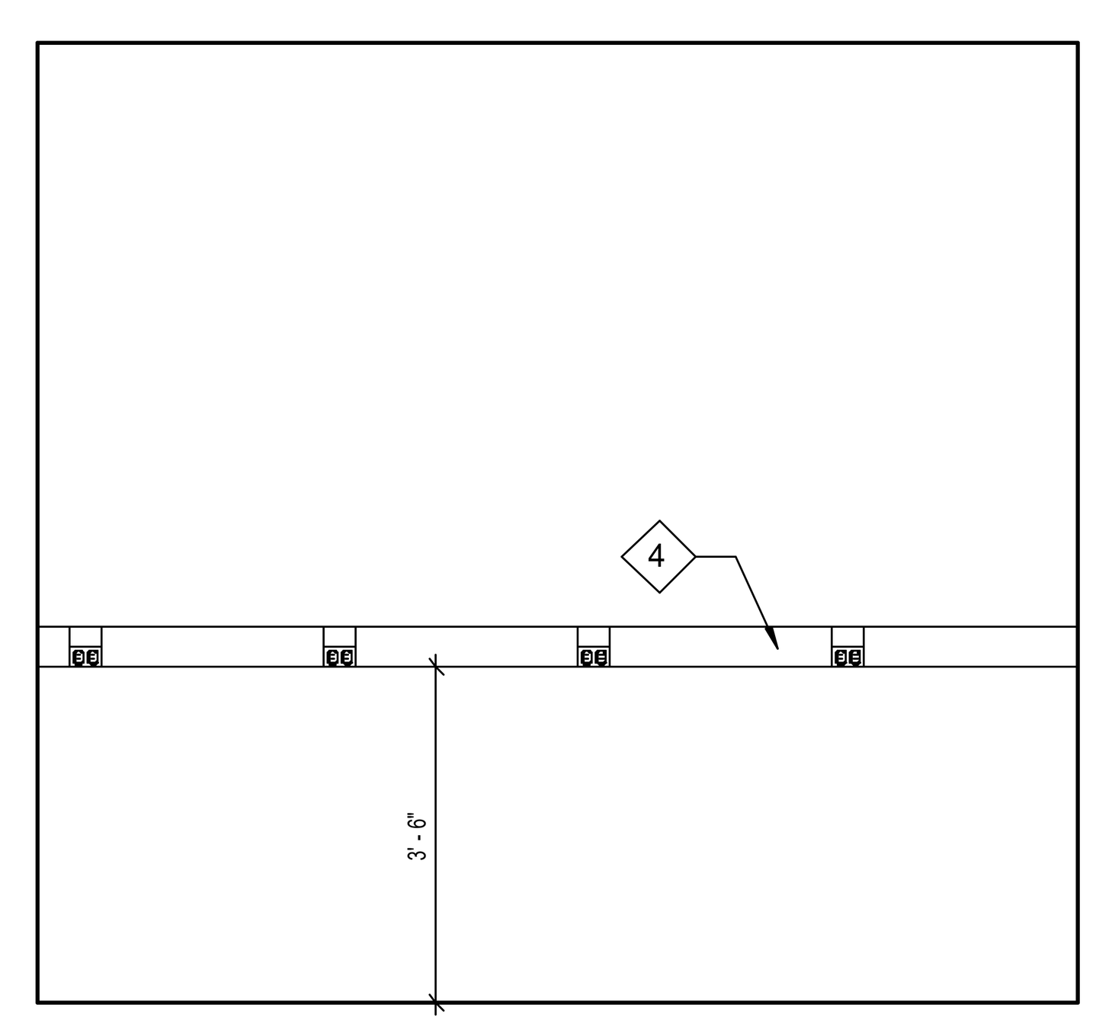
6 CHEM LAB 4 WEST
SCALE: 1/2" = 1'-0"



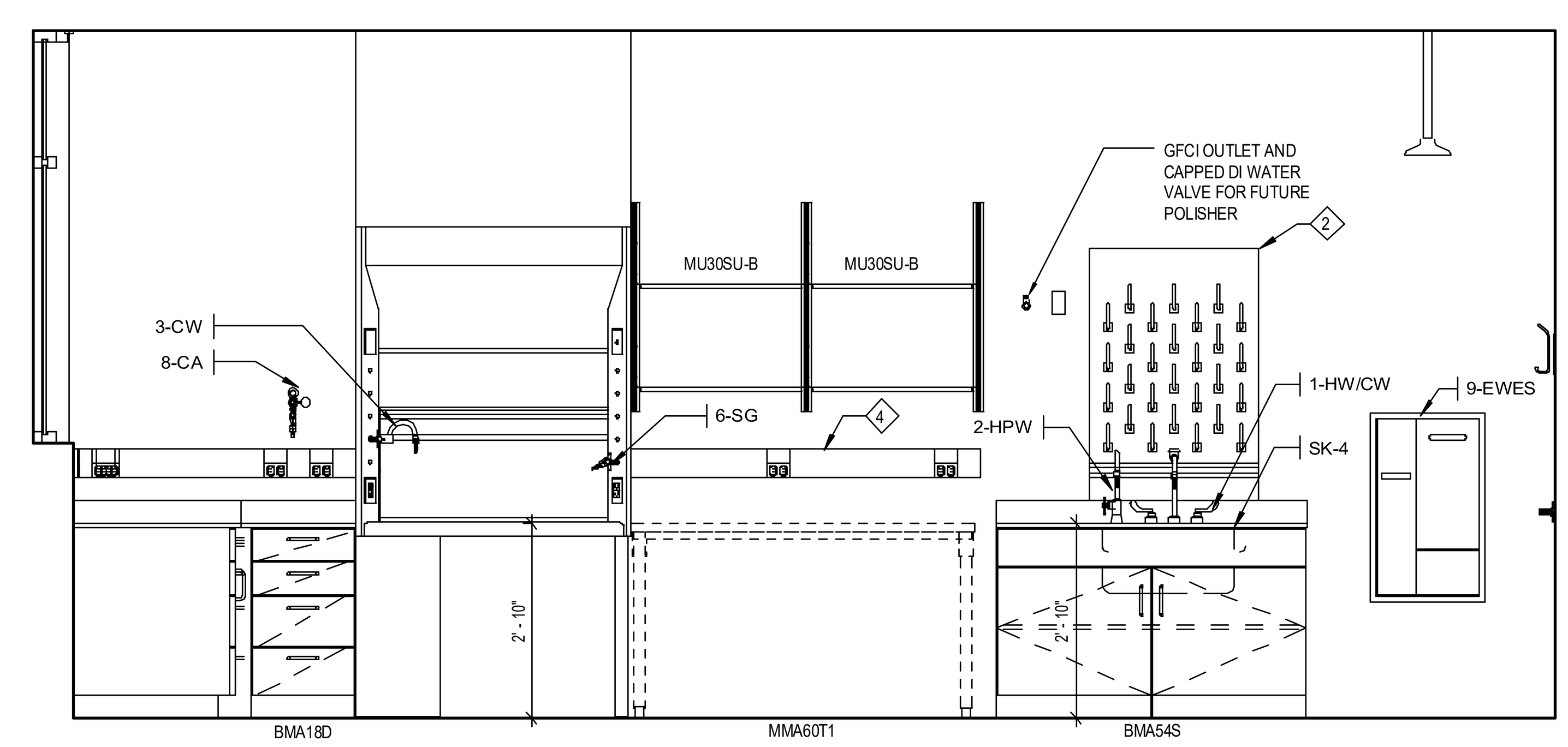
1 CHEM LAB WEST
SCALE: 1/2" = 1'-0"



2 CHEM LAB EAST
SCALE: 1/2" = 1'-0"



3 CHEM LAB SOUTH
SCALE: 1/2" = 1'-0"



13 CHEM LAB 228 - EAST ELEVATION
SCALE: 1/2" = 1'-0"

ID:	REVISION:	DRAWN:	REVIEWED:	DATE:
1	Addendum #1			1/10/2022

PHASE:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT:	RAV	BSP	10/7/21
50% CONSTRUCTION DOCUMENTS:	RAV	BSP	12/9/21
100% CONSTRUCTION DOCUMENTS:	RAV	BSP	1/10/2022
ADDENDUM 1:			
ADDENDUM 2:			

Seal:

Consultant: RS&H
10748 Deerwood Park Blvd. South
Jacksonville, Florida 32256-0597
904-256-2500 Fax 904-256-2503
www.rsandh.com
FL Cert. Nos. AAC001886 / IB26000986 / 8525 / LC26000210 / GB226

Client: Innovation Park
Tallahassee, Florida

Job Title: North Florida Innovation Labs

Project #: 501029000

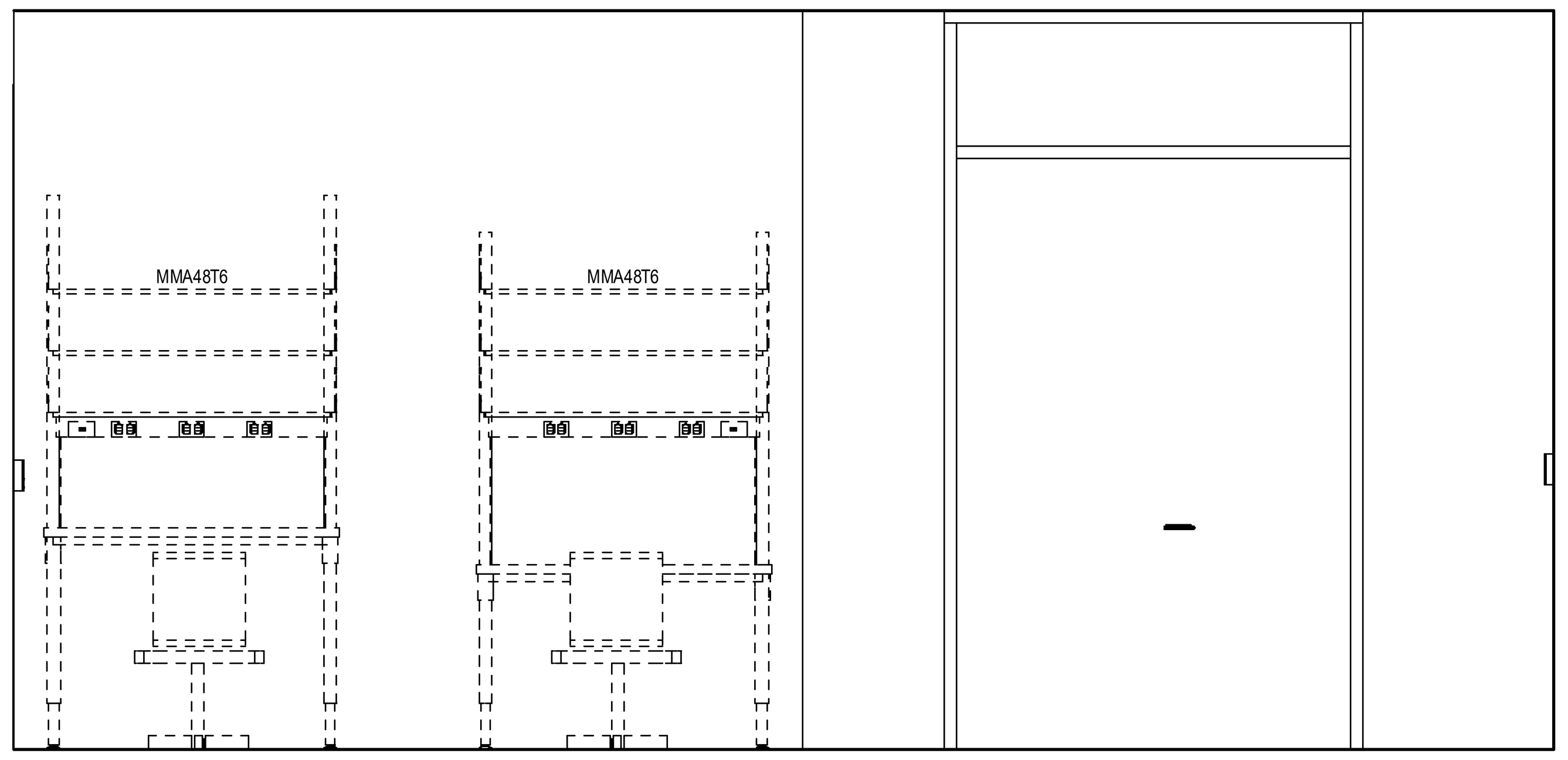
Phase: 100% CONSTRUCTION DOCUMENTS

ALW

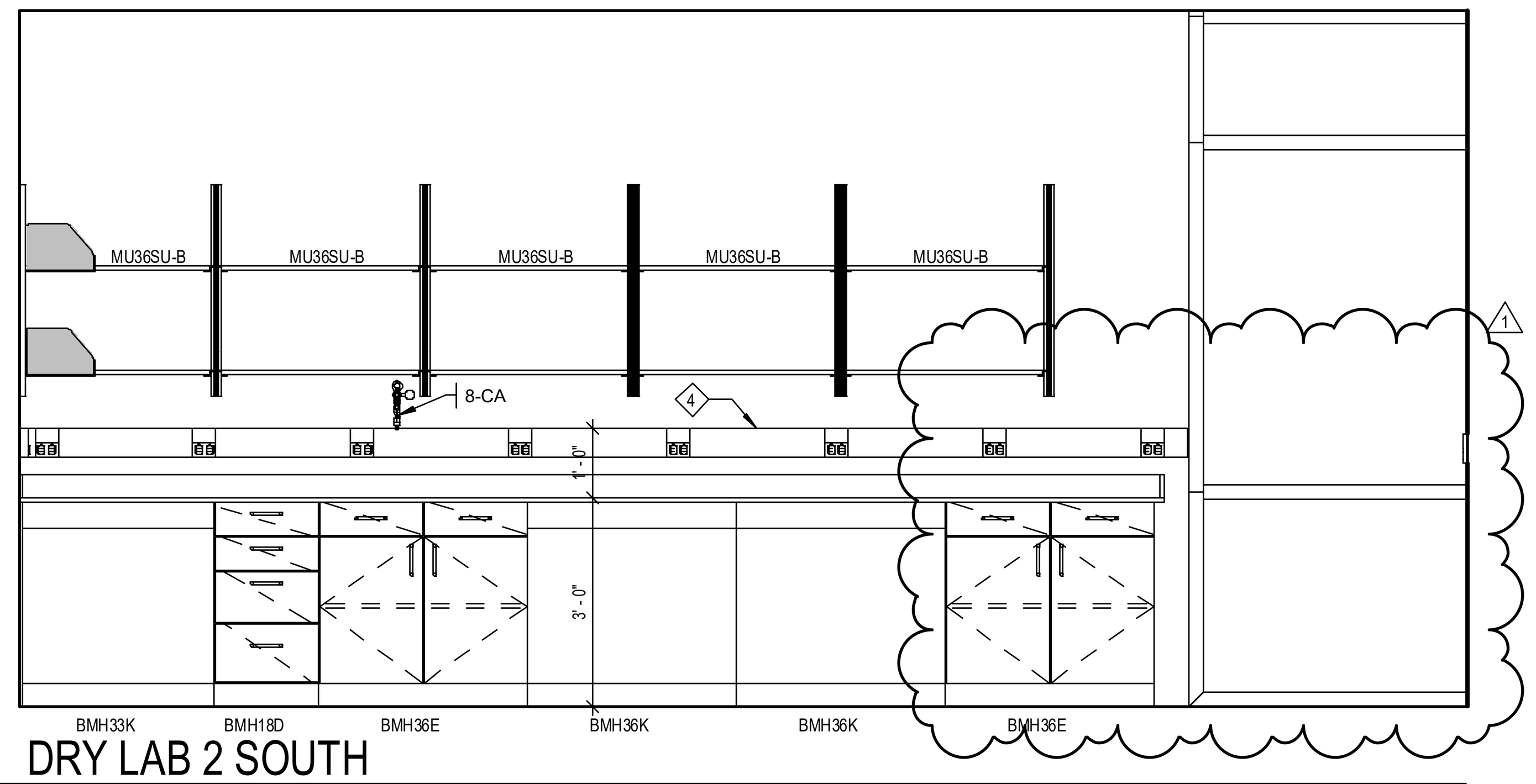
Description: INTERIOR ELEVATIONS

Sheet No.: LF602

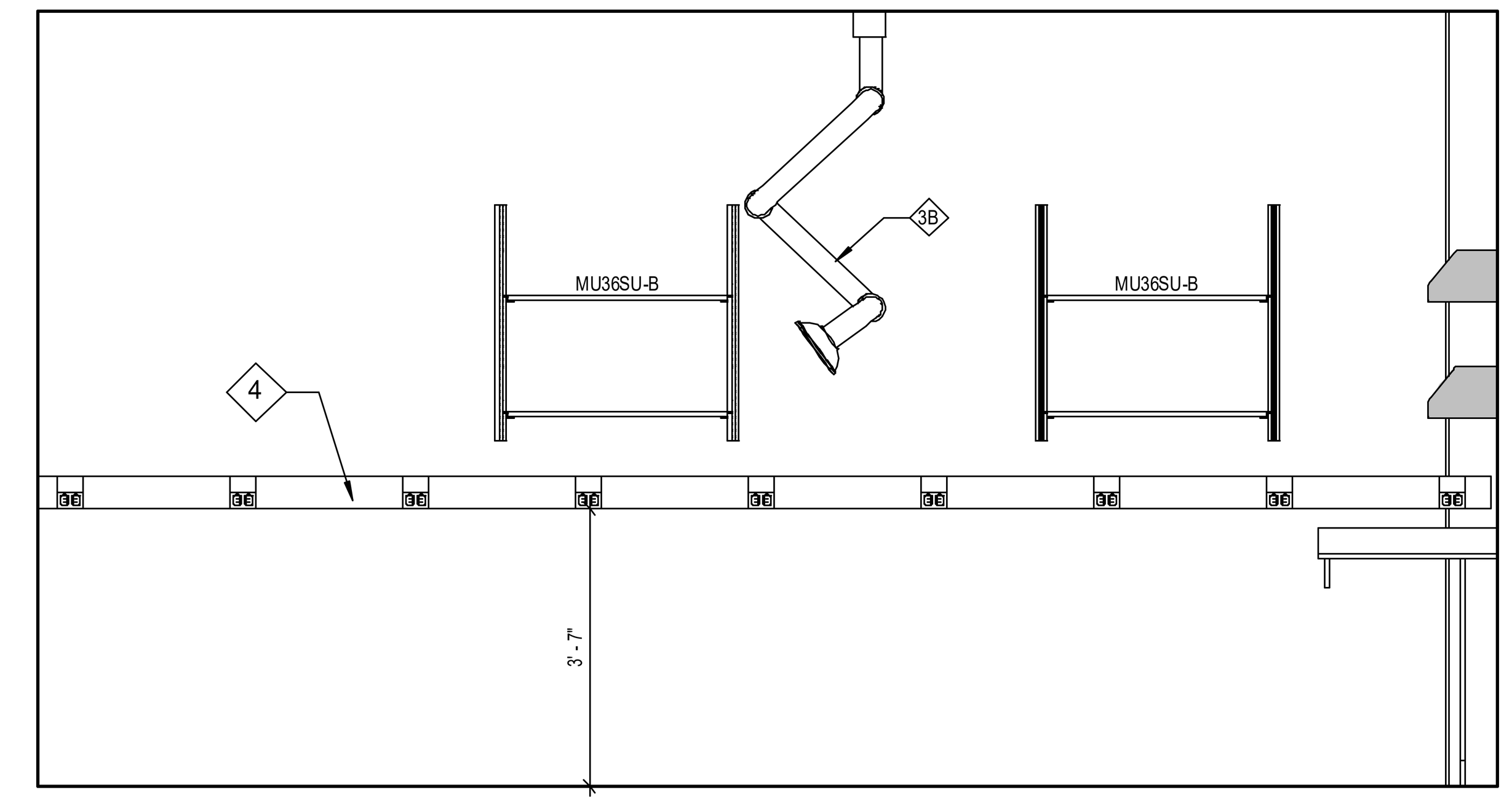
1/9/2022 5:47:32 PM BIM 360://21556-00 NFIL/501029000_NFIL_A_R20.rvt



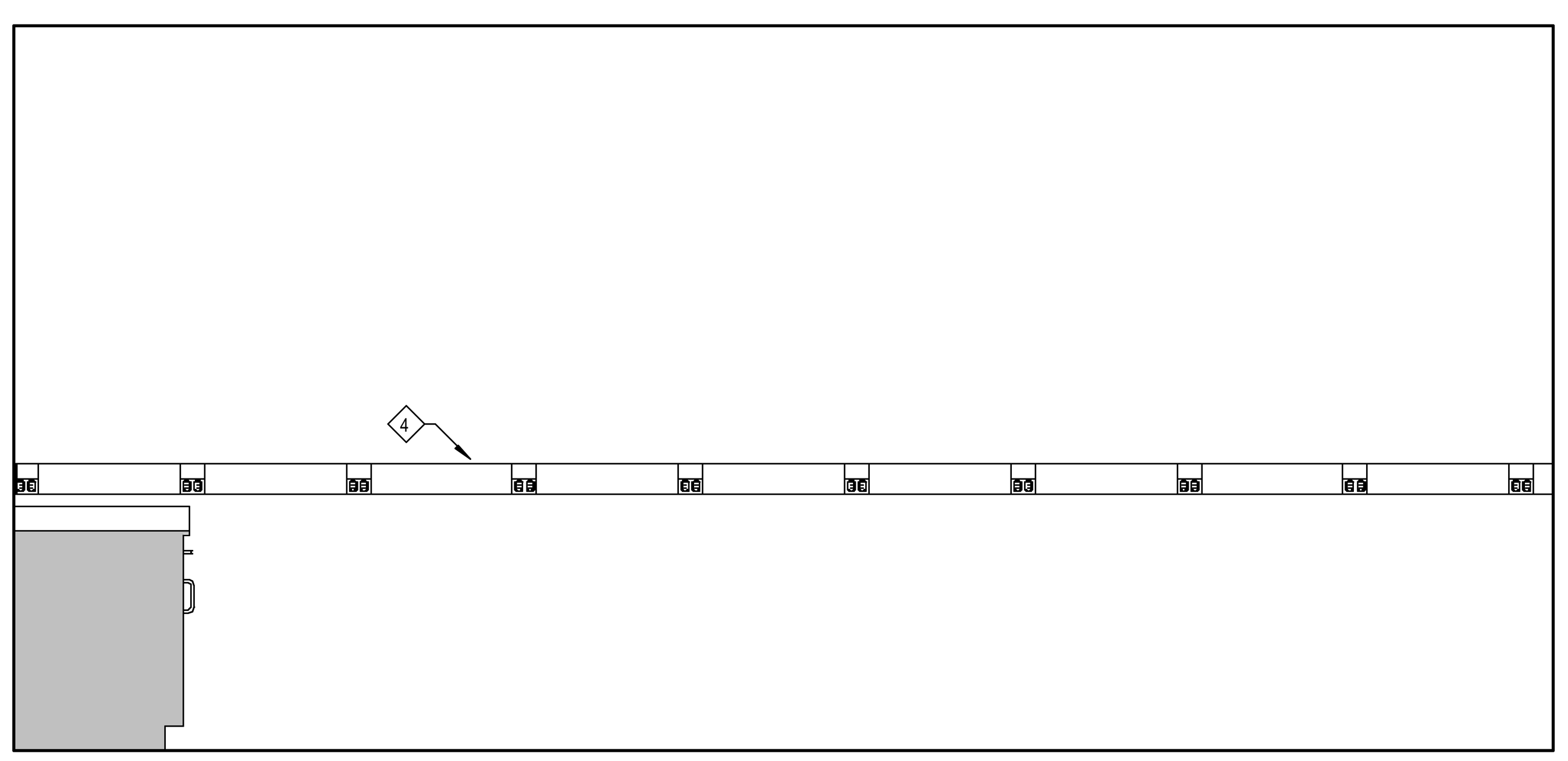
10 DRY LAB 2 NORTH
SCALE: 1/2" = 1'-0"



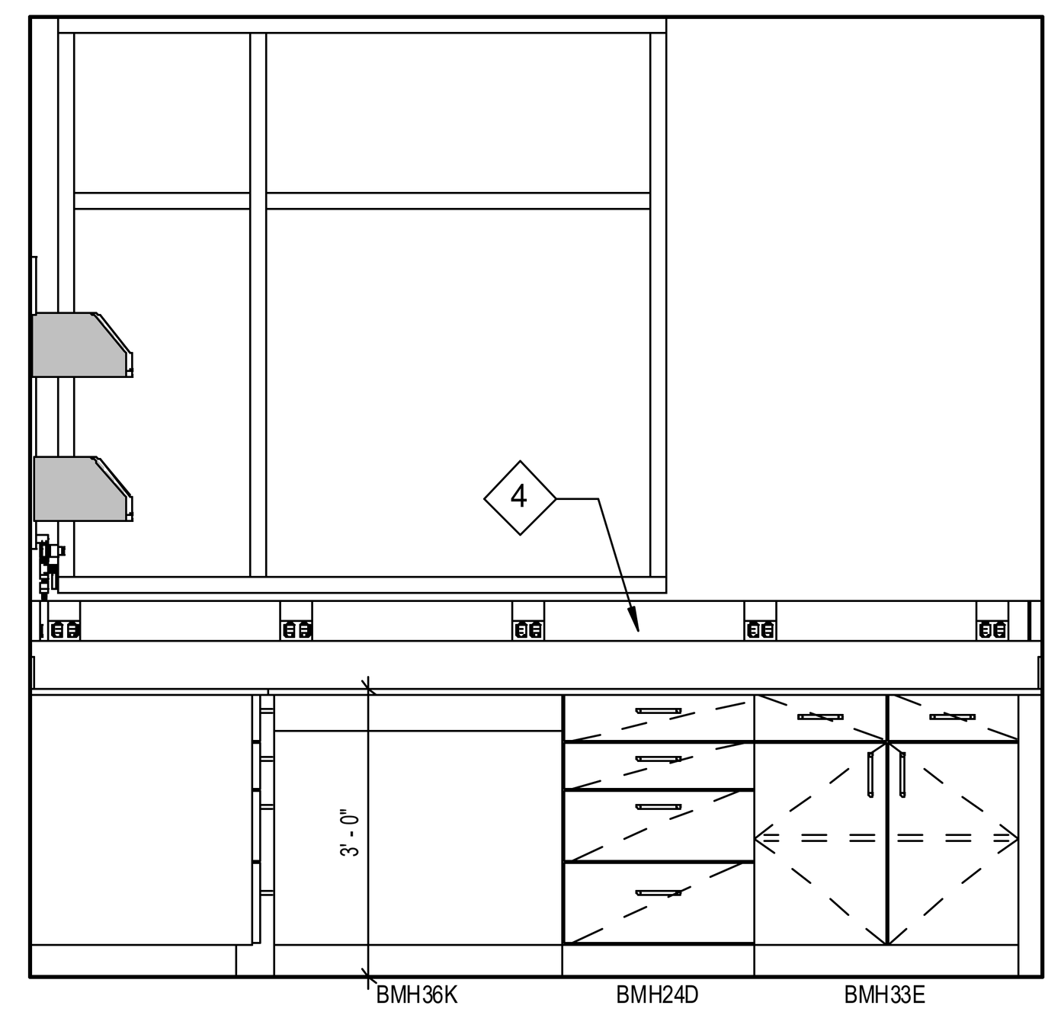
11 DRY LAB 2 SOUTH
SCALE: 1/2" = 1'-0"



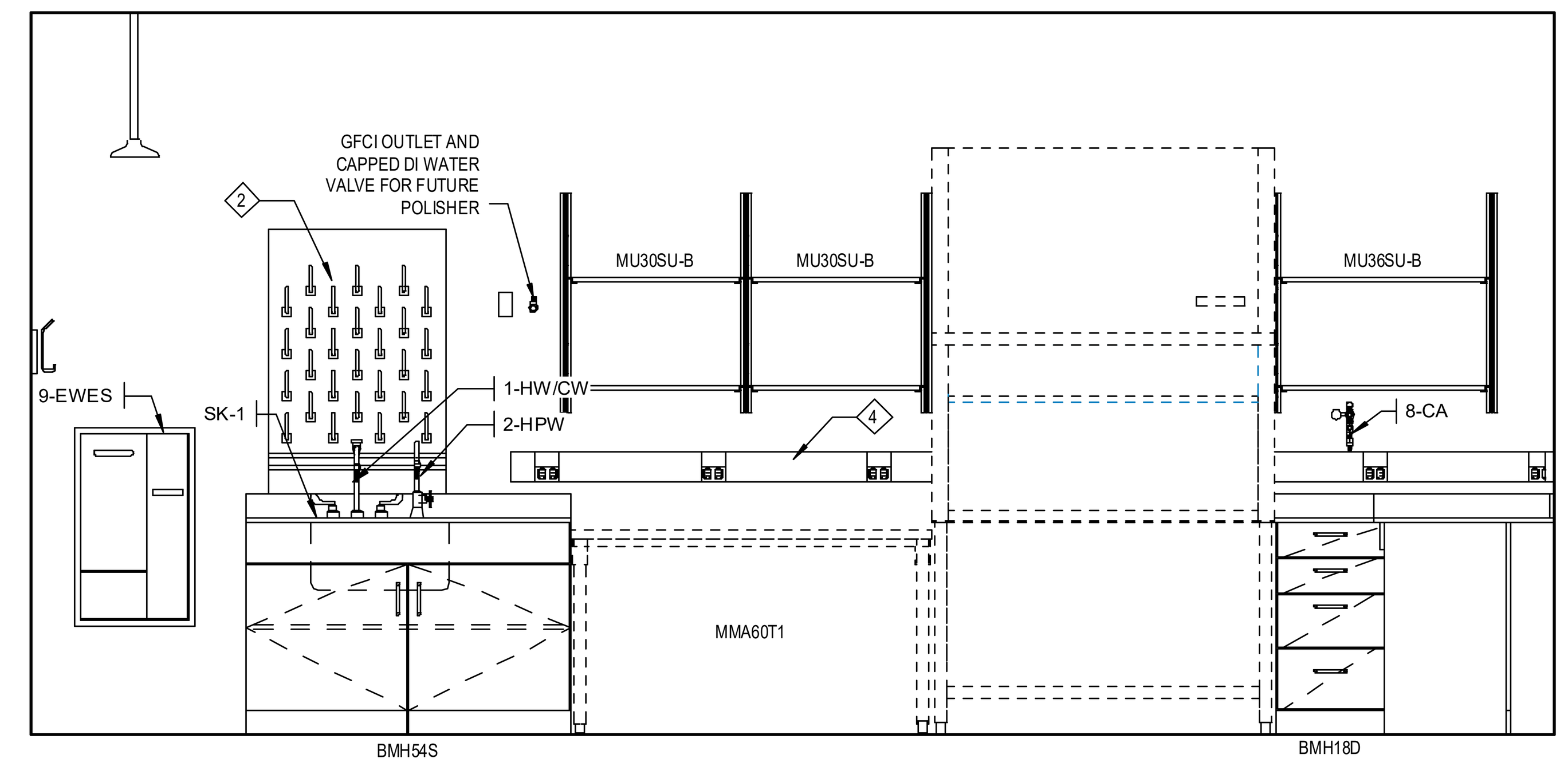
12 DRY LAB 2 EAST
SCALE: 1/2" = 1'-0"



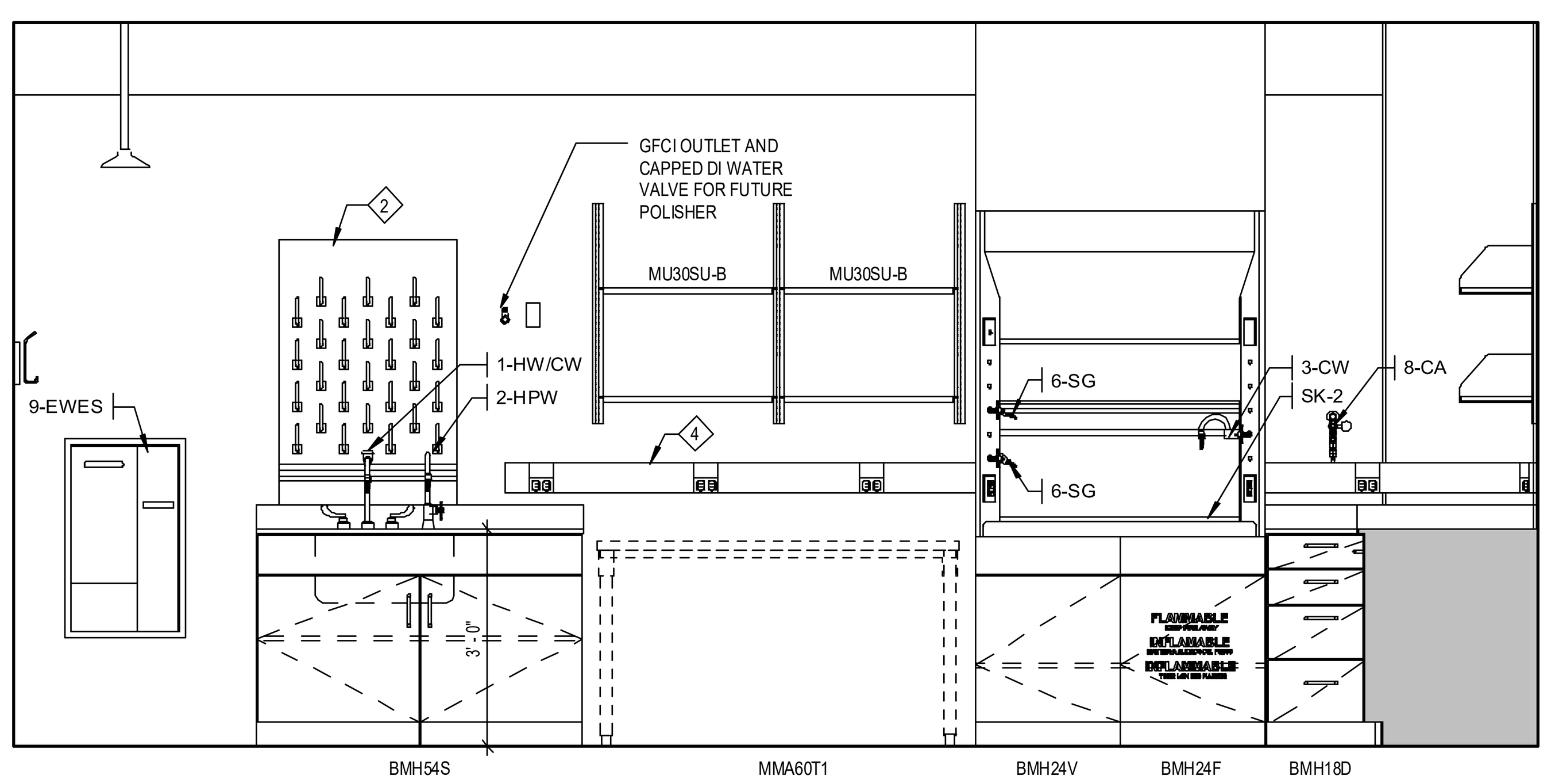
7 BIO LAB 221 SOUTH
SCALE: 1/2" = 1'-0"



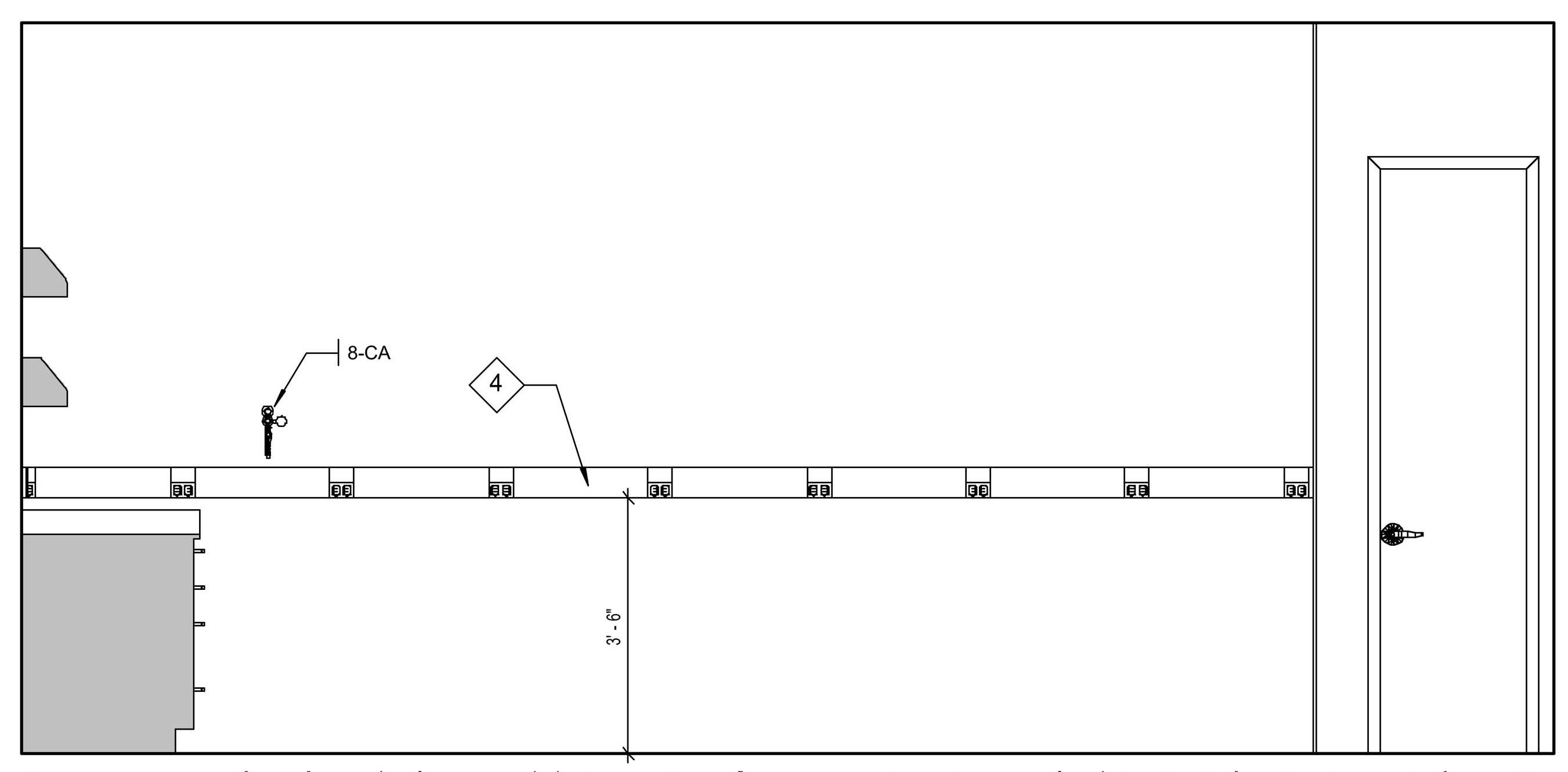
8 BIO LAB 221 EAST
SCALE: 1/2" = 1'-0"



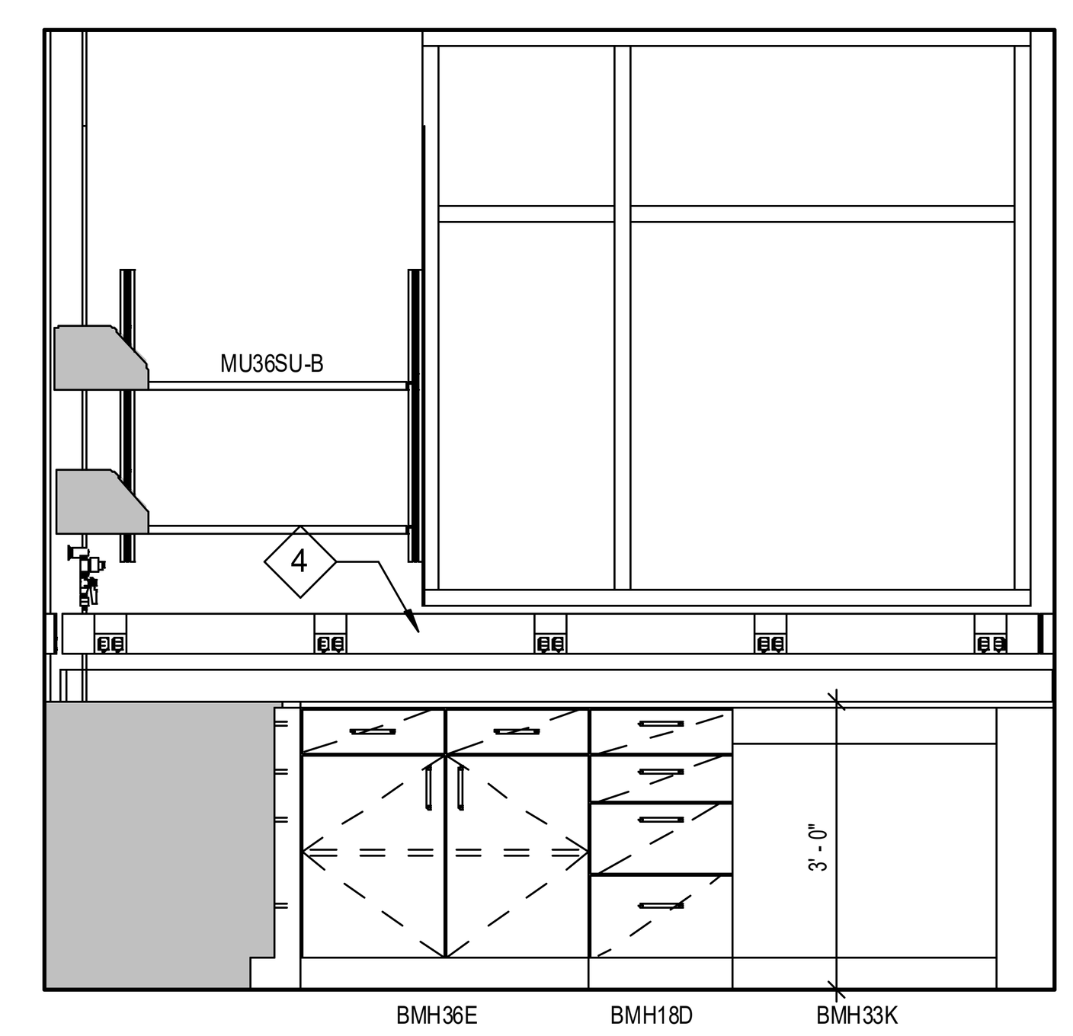
9 BIO LAB 221 NORTH
SCALE: 1/2" = 1'-0"



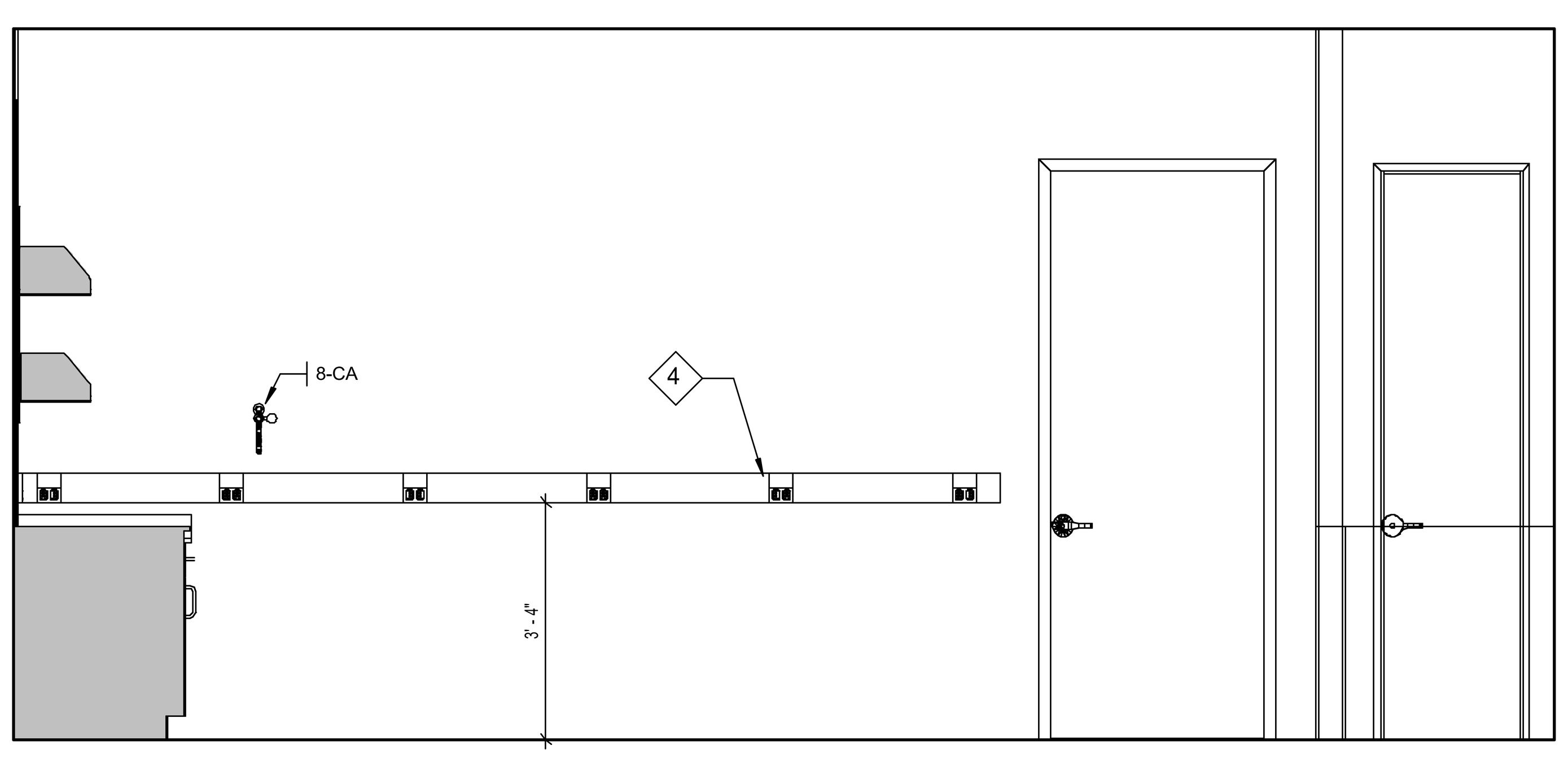
4 CHEM LAB 226 NORTH
SCALE: 1/2" = 1'-0"



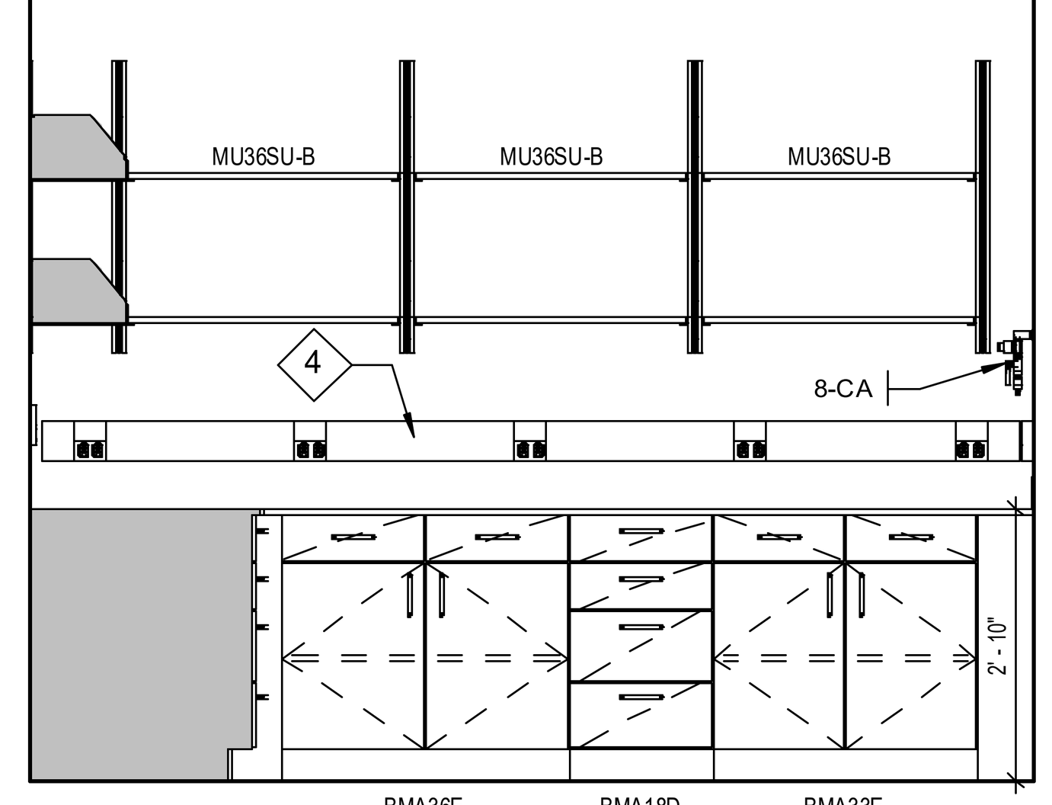
5 CHEM LAB 226 SOUTH
SCALE: 1/2" = 1'-0"



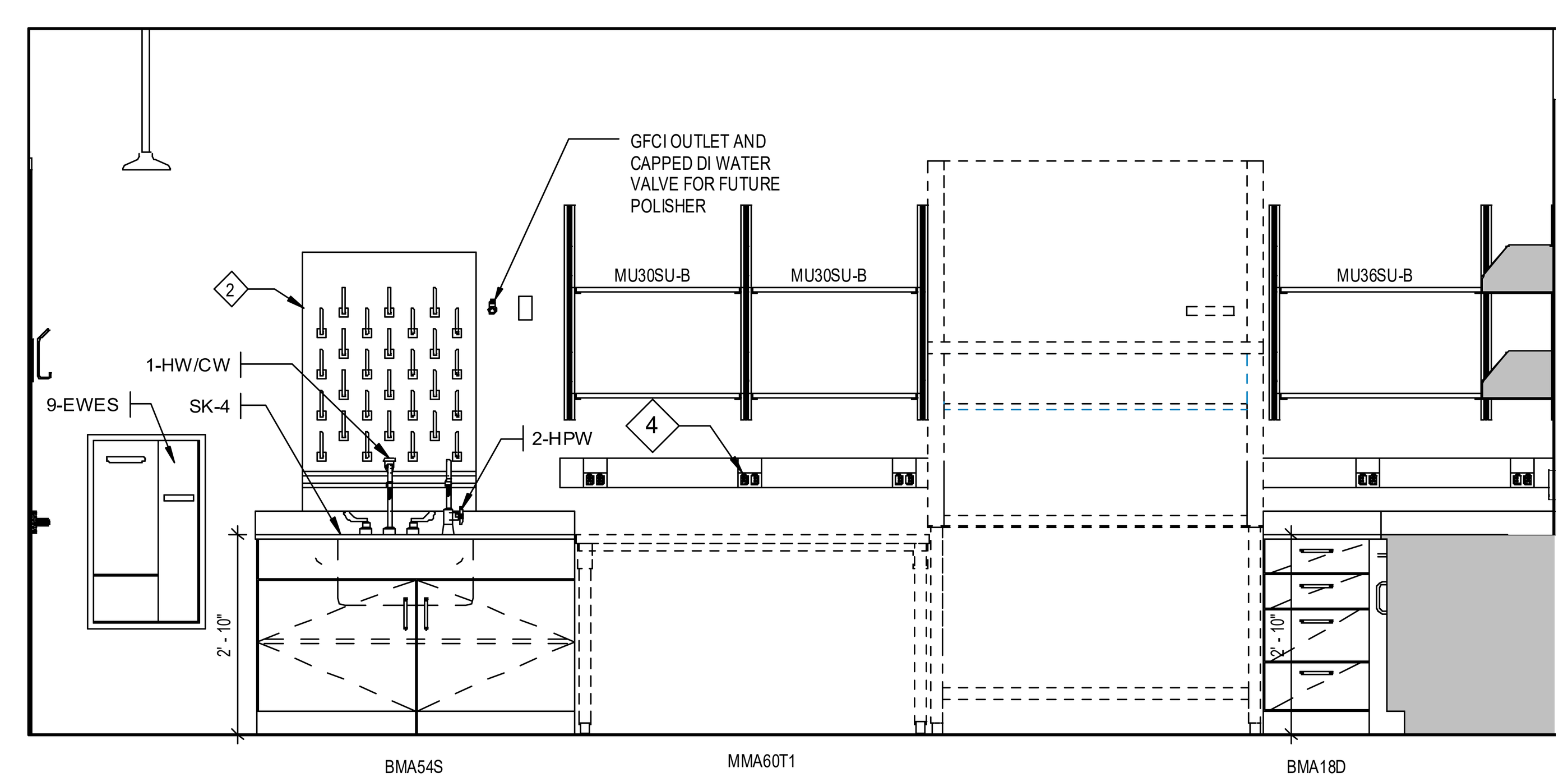
6 CHEM LAB 226 EAST
SCALE: 1/2" = 1'-0"



1 BIO LAB 3 WEST
SCALE: 1/2" = 1'-0"



2 ADA BIO LAB 4 SOUTH
SCALE: 1/2" = 1'-0"



3 ADA BIO LAB 4 EAST
SCALE: 1/2" = 1'-0"

1/9/2022 5:45:39 PM   BIM 360://21556-00 NFIL/5010929000_NFIL_A_R20.rvt

PHASE:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT:			
50% CONSTRUCTION DOCUMENTS:	RAV	BSP	10/7/21
100% CONSTRUCTION DOCUEMENTS:	RAV	BSP	12/9/21
ADDENDUM 1:	RAV	BSP	1/10/2022
ADDENDUM 2:			

ID:	REVISION:	DRAWN:	REVIEWED:	DATE:
1	Addendum #1			1/10/2022

Seal:

Consultant: RS&H
10748 Deerwood Park Blvd. South
Jacksonville, Florida 32256-0597
904-256-2500 Fax 904-256-2503
www.rsandh.com
FL Cert. Nos. AAC001886 * IB26000956 * 5620 * LCC000210 * GB238

Client:
Innovation Park
Tallahassee, Florida

Job Title:
North Florida Innovation Labs

Project #: 5010929000
Phase: 100% CONSTRUCTION DOCUMENTS

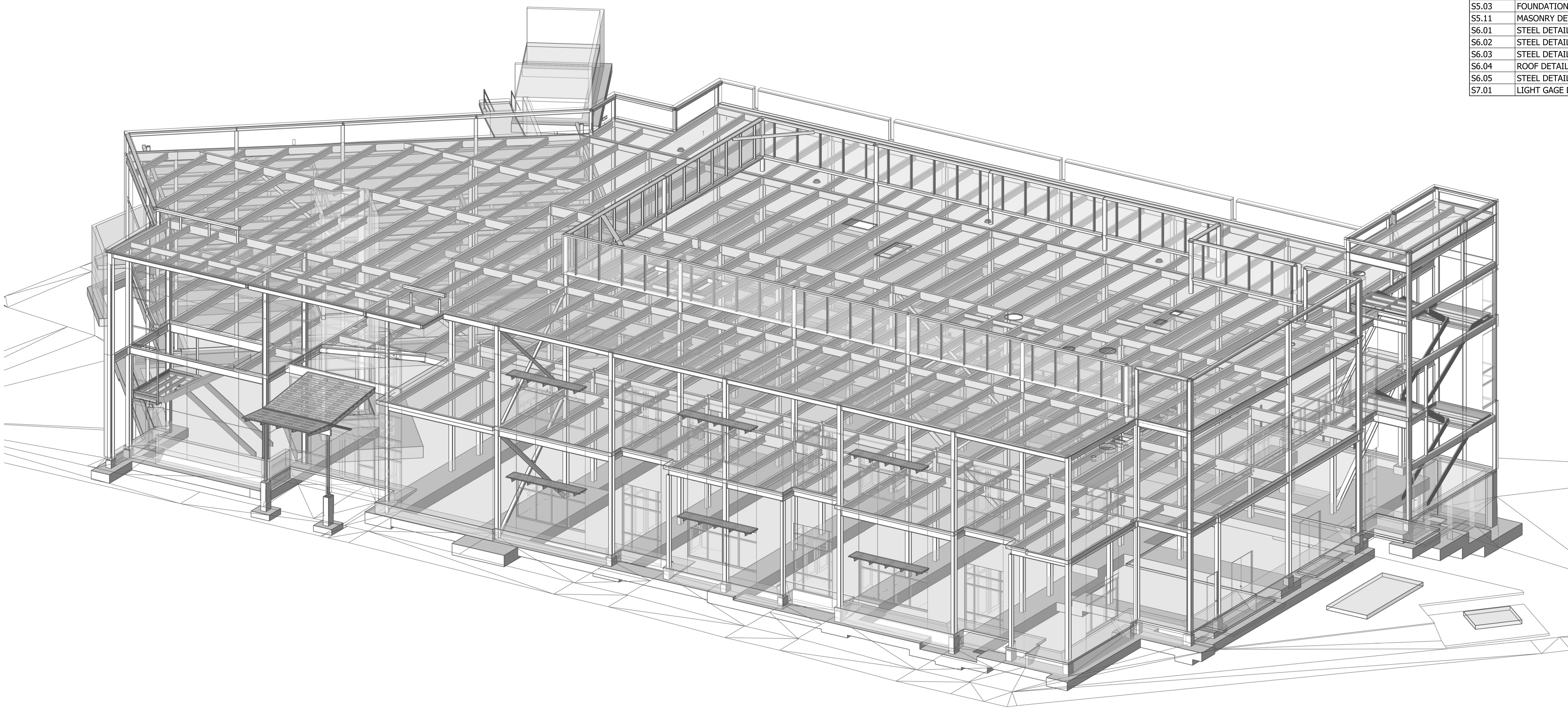
ALW

Description:
INTERIOR ELEVATIONS

Sheet No.:
LF603

SHEET LIST

Sheet Number	Sheet Name	Current Revision	Current Revision Date
S0.00	COVER SHEET		
S1.01	STRUCTURAL NOTES		
S1.02	STRUCTURAL NOTES		
S1.05	WINDLOAD DIAGRAMS		
S2.00	FOUNDATION PLAN		
S2.10	FIRST FLOOR FRAMING PLAN		
S2.20	SECOND FLOOR FRAMING PLAN		
S2.30	ROOF FRAMING PLAN		
S2.40	HIGH ROOF FRAMING PLAN		
S3.01	WALL SECTIONS		
S3.02	WALL SECTIONS		
S3.03	WALL SECTIONS		
S3.31	STAIR SECTIONS		
S3.32	STAIR SECTIONS		
S3.33	VERTICAL BRACING		
S3.34	ELEVATOR SECTION & VERTICAL BRACING		
S3.41	STAIR DETAILS		
S3.42	VERTICAL BRACING DETAILS		
S3.43	VERTICAL BRACING DETAILS		
S4.01	COLUMN SCHEDULE		
S5.01	TYPICAL SLAB ON GRADE DETAILS		
S5.02	TYPICAL FOUNDATION DETAILS AND SCHEDULES		
S5.03	FOUNDATION DETAILS		
S5.11	MASONRY DETAILS		
S6.01	STEEL DETAILS		
S6.02	STEEL DETAILS		
S6.03	STEEL DETAILS		
S6.04	ROOF DETAILS		
S6.05	STEEL DETAILS		
S7.01	LIGHT GAGE DETAILS		



NORTH FLORIDA INNOVATION LABS

TALLAHASSEE, FLORIDA

ID:	REVISION:	DATE:

PHASE:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT	TLC	CSC	07/30/2021
50% CONSTRUCTION DOCUMENTS	TLC	CSC	10/07/2021
100% CONSTRUCTION DOCUMENTS	TLC	CSC	12/09/2021
ADDENDUM 1			
ADDENDUM 2			

TO THE BEST OF MY KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES.

Client:
Leon County R&D Authority
Tallahassee, Florida

Job Title:
North Florida Innovation Labs

Consultant:
BLISS & NYITRAY, INC.
STRUCTURAL ENGINEERS
Certificate of Authorization No. 674
227 N Bronough St., Suite 7300
Tallahassee Florida, 32301
T 850-222-4454 F 850-222-9425
www.bniengineers.com

Project #: 21414 / BNI No. 21T08
Phase: DESIGN DEVELOPMENT

ALW

Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net

CHRISTOPHER S. CHILDERS
LICENSE
NO. 50812
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Christopher S. Childers, P.E.
Fla. Reg. No. 50812

Description:
COVER SHEET

Sheet No.:
S0.00

STRUCTURAL NOTES

GENERAL NOTES

GN-1 The governing Code for this Project is the Florida Building Code, 7th Edition (2020). This Code prescribes which edition of each referenced standard applies to this Project.

GN-2 To the best of our knowledge, the Structural Drawings and Specifications comply with the applicable requirements of the governing Building Code.

GN-3 Construction is to comply with the requirements of the governing Building Code and all other applicable Federal, State, and Local Codes, Standards, Regulations and Laws.

GN-4 Use these Notes in conjunction with the Plan Specifications or Project Specifications. If a conflict exists, the more stringent governs.

GN-5 See Plan Specifications or Project Specifications for testing.

GENERAL NOTES - CONTRACTOR REQUIREMENTS

GN-6 Contractor refers to the General Contractor, Construction Manager, or the organization that is assigned to have overall responsibility and supervision of the Project.

GN-7 The Contractor shall be solely responsible for, and have control over, the means, methods, supervision, techniques, sequences, procedures of construction, quality, and correctness of the work. The Contractor is solely responsible for jobsite safety including all OSHA requirements.

GN-8 The Contractor shall coordinate all Contract Documents with field conditions and dimensions and Project Shop Drawings prior to construction. Do not scale drawings; use only printed dimensions. Report any discrepancies in writing to the Architect prior to proceeding with work. Do not change size or location of structural members without written instructions from the Structural Engineer of Record.

GN-9 Contractors who discover discrepancies, omissions or variations in the Contract Documents during bidding shall immediately notify the Architect. The Architect will resolve the condition and issue a written clarification.

GN-10 The Contractor shall protect adjacent property, his own work and the public from harm. The Contractor is advised to document the condition of adjacent property with a photographic survey and other documentation, including crack monitoring, prior to and during construction.

GN-11 The Structure is designed to be structurally sound when completed. The Contractor shall not overload the structure during construction. Prior to completion, the Contractor is responsible for stability and temporary bracing, including, but not limited to, masonry walls. Wherever the Contractor is unsure of these requirements, the Contractor shall retain a Florida Licensed Engineer to design and inspect the temporary bracing and stability of the structure.

GENERAL NOTES - DRAWINGS

GN-12 The Structural drawings shall be used in conjunction with the architectural drawings and all other drawings and documents, including shop drawings prepared by equipment suppliers and delegated engineers.

GN-13 Openings shown on Structural Drawings are only pictorial. See the Architectural for complete information such as slab depressions, slopes, curbs, finishes, and opening locations in structural members as required by MEP systems and architectural elements.

GN-14 Details labeled "typical" apply to all situations that are the same or similar to those specifically referenced, whether or not they are keyed in at each location. Questions regarding the applicability of typical details shall be resolved by the Architect.

GN-15 When joists or beams are not specifically dimensioned, they are located equally between gridlines or equally between dimensioned members.

GN-16 See Architectural drawings for fireproofing and waterproofing details and requirements.

GENERAL NOTES - DESIGN LOADS

GN-17 Design Loads:

OCCUPANCY	LIVE LOAD	DEAD LOAD	CONCENTRATED LOAD
Roof Flat	30 psf (or Rain Load)	20 psf	300#
Roof Flat w/ PV panels	30 psf (or Rain Load)	30 psf	300#
Roof MEP equip.	Load Shown on Plan		
Lab Rooms	100 psf	10 psf	1,000#
Offices	50 psf	15 psf	2,000#
Office Partitions	15 psf		
Public Areas	100 psf	20 psf	
Public Corridors Above 1st Floor	80 psf	20 psf	1,000#
Terraces	100 psf	5 psf	
Stairs	100 psf	5 psf	300#
Storage	125 psf	10 psf	
Catwalks	40 psf	5 psf	300#
Mechanical Room	150 psf	15 psf	
Electrical Room	150 psf	15 psf	
Planter Wet Soil Density	100 pcf		

Live Load reduction for beams, columns and foundations has been taken in accordance to the governing building code. Live Load reduction for slabs and joist is not permitted.

Design superimposed dead loads listed above do not include masonry walls or other concentrated loads. See architectural drawings for these loads. Concentrated live loads do not act concurrently with area live loads.

Lab floors have been designed in accordance with American Institute of Steel Construction, Design Guide 11 version 2. The floor system has been reviewed to substantially meet the Generic Vibration Criteria Tolerance Limit VC-A, 2,000 mips for moderate to slow walking speeds. As many factors beyond Bliss & Nyitray's Control may impact this design we recommend that the Owner anticipate the use of some vibration control on the equipment bases.

GN-18 Handrails and Guards:

Linear Loading	50 lbs/ft
Concentrated Loading	200 lbs
Intermediate Rails	50 lbs
Applied Area	1 sf

Loads shall be applied to act in any direction at any point on the handrail or top rail to produce the maximum load effect. Linear and concentrated loading shall not be applied concurrently.
Glass in handrails and guards shall be designed with a safety factor of 4.

GN-19 Design Rain Loads:

Rain Load	32 psf
Rain Intensity	i = 4.5 in/hr
Static Head	ds = 3 in
Hydraulic Head	dh = 3 in

GN-20 Design Flood Loads:

Governing Code	FBC 7th Edition (2020) / ASCE 24-14
Flood Insurance Rate Map	12073C0279F
Flood Zone	A
Base Flood Elevation	+65.00 ft
Elevation of Lowest Horizontal Structure	+75.00 ft

GN-21 Design Wind Loads:

Governing Code	FBC 7th Edition (2020) / ASCE 7-16
Building Risk Category	II
Ultimate Wind Speed	Vult = 120 mph
Allowable Stress Design Wind Speed	Vasd = 93 mph
Mean Roof Height	36 feet
Directionality Factor	Kd = 0.85
Gust-Effect Factor	G = 0.85
Exposure = B	
Internal Pressure Coefficient	GCpi = 0.18

a. Roof Top Equipment Wind Loads

Horizontal Force = 28 psf
Uplift Force = 22 psf

All roof top mechanical equipment, equipment curbs, equipment tie downs, including all connections to the building structure for wind loading are to be designed and engineered by a Specialty Engineer retained by the mechanical equipment supplier. Signed and sealed drawings and calculations are to be submitted to the Engineer of Record for review and approval. The equipment manufacture shall provide the attachment of the unit to the structure and submit to the EOR loads, locations, and method of attachment. The EOR will make provisions in the design of the primary structural frame to accommodate the loads and attachments.

SHOP DRAWINGS AND OTHER SUBMITTALS

SD-1 Refer to the applicable Plan Specifications or Project Specifications for technical content requirements. Incomplete submittals will be returned without review.

SD-2 Submit specific components, such as columns, footings, etc., in a single package. Submit similar floors together.

SD-3 On first submittal, clearly flag and cloud all differences from the Contract Documents. On resubmittals, flag and cloud all changes and additions to previous submittal; only clouded items will be reviewed.

SD-4 Submittals for special structural, load-bearing items that are required by Codes or Standards to resist forces must be prepared by, or under the direct supervision of, a Delegated Engineer. Examples include Structural Steel Connections, Structural Cold-Formed Steel Framing, Exterior Enclosure Systems, Roof-top Unit Tie-downs, and Shoring and Reshoring.

SD-5 A Delegated Engineer is defined as a Florida Licensed Engineer who specializes in and undertakes the design of Structural Components or Structural Systems included in a specific submittal prepared for this Project and is an employee or officer of, or consultant to, the Contractor, Subcontractor, Fabricator, or Erector responsible for the submittal. The Delegated Engineer shall sign, seal and date the submittal, including calculations and drawings. See Plan Specifications or Project Specifications for more specific criteria.

SD-6 The Trade Contractor is responsible for confirming and correlating dimensions at the job sites, for tolerances, clearances, quantities, fabrication processes and techniques of construction, coordination of the work with other trades and full compliance with the Contract Documents.

SD-7 The Contractor shall review and approve submittals, including substitution requests and shop drawings, and shall sign and date each drawing prior to submitting to the Architect. This approval is to confirm that the submittal is complete, complies with the submittal requirements and is coordinated with field dimensions, other trades, erection sequencing and constructability. Submittals not reviewed by the Contractor will be returned without review.

SD-8 Bliss & Nyitray (BNI) reviews submittals to confirm that the submittal is in general conformance with the design concept presented in the Contract Documents. Quantities and dimensions are not checked. Notations on submittals do not authorize changes to the contract sum. Checking of the submittal by BNI shall not relieve the Contractor of responsibility for deviations from the Contract Documents and from errors or omissions in the submittal.

SD-9 BNI's review of Delegated Engineer submittals is limited to verifying that the specified structural submittal has been furnished, signed and sealed by the Delegated Engineer and that the Delegated Engineer has understood the design intent and used the specified structural criteria. No detailed check of calculations is made. The Delegated Engineer is solely responsible for his/her design, including but not limited to the accuracy of his/her calculations and compliance with the applicable codes and standards.

SD-10 BNI may transfer to the Contractor BIM files, CAD files or other electronic data for use in preparing Shop Drawings. The contractor shall email a request for BIM or CAD files along with an acknowledgement that he/she has read and agreed to the following terms and conditions:

A. This electronic data remains the property of BNI, and in no case shall the transfer of these files be considered a sale. The files shall not be used for other projects, additions to this project, or for completion of this project by others.
B. The Contractor is responsible for assuring that the electronic data accurately represents the Contract Documents. In the event of a conflict, the Contract Documents shall govern.
C. The electronic data is current as of the date of transfer but may subsequently be revised or supplemented. If so, then the Contractor may request updated electronic data.
D. The use of these electronic data shall not modify Contractor's responsibility for coordination with other trades, or for the proper checking and coordination of dimensions, details, member sizes and gage, and quantities of materials to facilitate complete and accurate fabrication and erection.
E. Do not scale dimensions since the electronic data may not be precise and, in some cases, have been intentionally altered for presentation purposes.
F. Contractor shall indemnify, defend and hold harmless BNI from all claims, damages, losses, expenses, penalties, and liabilities, including attorneys' fees, arising out of or resulting from the use of the electronic data by Contractor or others.

SHALLOW FOUNDATIONS

SF-1 Foundation design, soil preparation and compaction are based on Geotechnical Investigation, Data and Recommendations in Report #375-01-21-01 by Environmental and Geotechnical Specialists, Inc. dated July 7, 2021.

SF-2 Footing sizes and reinforcing are based on an allowable soil bearing capacity of 2500 psf. All footings shall bear on compacted fill, natural soil or rock prepared per the Geotechnical Report.

SF-3 Subgrade preparation shall be field controlled and tested by a Licensed Soils Engineer in accordance with the Geotechnical Report. Subgrade preparation includes placing fill soils on site for a set time prior to placing building foundations. At completion, that Engineer shall prepare and submit to the Owner, Architect, Contractor and Structural Engineer a signed and sealed letter indicating that the recommendations of the Geotechnical Report have been followed.

SF-4 Foundation excavations shall be dry prior to placing concrete. Contact Geotechnical Engineer if a dry condition cannot be achieved.

SF-5 Provide waterproofing of underground structural members as indicated on the Architectural drawings.

SF-6 Center all footings under their respective columns or walls, u.o.n.

SF-7 Top of all footings is 2 feet below the ground floor level, u.o.n.

EXCAVATION, BACKFILL AND DEWATERING

EB-1 The Contractor is solely responsible for all excavation procedures including lagging, shoring, and protection of adjacent property, structures, streets and utilities in accordance with the requirements of the local building department and OSHA regulations. Do not excavate within one foot of the angle of repose of any soil bearing foundation unless the foundation is properly protected against settlement. Do not disturb adjacent wetlands areas, see Civil drawings for direction.

EB-2 For basement walls, do not backfill against walls until 7 days after the walls are braced by the structure or are temporarily braced.

EB-3 Do not backfill cantilevered retaining walls until concrete has attained 100% of its design strength and is 7 days old. Do not backfill until after completion and inspection of any waterproofing.

EB-4 In no case shall bulldozers or other heavy equipment be permitted closer than 5 feet from any retaining wall. If it is necessary to operate such equipment closer than 8 feet to the wall, the Contractor shall be the sole responsible party and at their own expense shall provide adequate support or bracing of the wall to withstand the additional superimposed loads from such equipment.

EB-5 The Contractor is responsible for the disposal of all accumulated water in a manner that does not inconvenience or damage the work.

SLABS ON GRADE

SG-1 Refer to Geotechnical Report for subgrade preparation more than 12" below bottom of slab.

SG-2 Above subgrade, use fill containing not more than 10% passing #200 sieve and maximum 1 inch diameter. Compact to 95% of maximum dry density as determined by modified proctor ASTM D-1557. Each layer of fill shall not exceed 6" loose thickness. Compact prior to placement of the next layer.

SG-3 Fill placement and compaction shall be monitored and accepted by the testing agency. Take a min. of one field density test (ASTM D-1556 or D-2922) for each 2,500 square feet of each layer. The testing agency shall randomly select test locations.

SG-4 For interior slabs use 10 mil vapor retarder complying with ASTM E1745 between soil and bottom of slab and install in conformance with ASTM E1643. Lap joints 6" and seal with manufacturer approved tape. Repair all punctures and tears, and seal around all penetrations. Do not use any sheeting below exterior concrete slabs.

SG-5 Use 4" thick slabs on grade reinforced with 6 x 6 - W2.9 x W2.9 welded wire reinforcement typical. Where indicated use 6" and 8" thick slabs reinforced with two layers of 4 x 4 - W2.9 x W2.9 welded wire reinforcement. Welded Wire to be supplied in flat sheets only. Use chairs or concrete brick to support wire reinforcement.

SG-6 Provide crack control joints at 11 feet maximum to limit areas between joints to 121 sq. ft. in all floating slabs on grade 2 hours after final finish but not more than 8 hours after completion of the pour. Aspect ratio shall not exceed 1.25. Avoid L-shaped panels. Locate to conform to bay spacing whenever possible, add crack control joints at re-entrant corners which tend to invite cracks.

SG-7 In sidewalks and walkways, locate isolation joints at 20 ft. o.c. maximum score and tool between isolation joints in equal bays of 5 ft. or less.

SG-8 See the Architectural Drawings for slab on grade depressions and other requirements.

SG-9 Termite protection shall be provided by a Registered Termiticides, and a certificate of compliance shall be issued to the building department per the Florida Building Code, section 1816. Refer to the Architectural Drawings for additional information.

REINFORCED CONCRETE

RC-1 Comply with ACI 301 and 318 and Plan Specifications or Specification Sections 031000, 032000 and 033000.

RC-2 Provide structural concrete with a minimum ultimate compressive design strength in 28 days as follows:

Element	Strength
Footings	3000 psi
Columns & Poured Walls	4000 psi
Elevated Beams & Slabs	4000 psi
Slabs on Grade	3000 psi
Composite Steel Decks	4000 psi

RC-3 Use normal weight concrete for all structural members. u.o.n.

RC-4 Provide ASTM A615 Grade 60 reinforcing steel. Reinforcing shall be accurately placed, rigidly supported and firmly tied in place, with appropriate bar supports and spacers. Lap continuous reinforcing 48 bar dia. Provide cover over reinforcing as follows:

Element	Bottom	Top	Sides
Footings and Pile Caps	3"	2"	3"
Beams Above Grade	1 1/2"	1 1/2"	1 1/2"
Columns	-	-	1 5/8"
Slabs on Grade	2"	1"	2"
Slabs Above Grade	3/4"	3/4"	1"
Slabs Exposed to Weather	1 1/2"	1 1/2"	1 1/2"
Walls Retaining Fill & Column Pedestals			2"
Walls Exposed to Weather	-	-	1 1/2"
Walls - all others	-	-	1"

RC-5 Provide A706 reinforcing steel when the rebar is to be welded. Do not weld A615 bars.

RC-6 Deformed Bar Anchor (DBA) shall conform to ASTM A496 with a minimum yield strength of 70,000 PSI. Reinforcing bars, A615 or A706, is not an acceptable substitution for DBA's.

RC-7 Where specified, provide plain, cold-drawn electrically-welded wire reinforcement conforming to ASTM A185. Supply in flat sheets only. Lap splice two cross wire spacings.

RC-8 In addition to specified reinforcing, provide 1 ton of reinforcing bars to be detailed, fabricated, delivered to site and placed as directed by the Architect/Engineer to account for unforeseeable conditions.

RC-9 Utilities shall not penetrate beams or columns but may pass through slabs and walls individually, uon. For openings 24" long or less, cut reinforcing and replace alongside opening with splice bars of equivalent area with 48 bar dia. lap. Prepare and submit shop drawings for openings longer than 24". For rectangular openings 12" long or longer, add 1#5 x 6' mid depth diagonal at all 4 corners.

RC-10 Where reinforcing steel congestion permits, conduit and pipes up to 1" diameter may be embedded in concrete per ACI 318, Section 20.7. Space at 3 diameters o.c. Place in the middle third of the slab depth. If conduits are significantly congested, additional reinforcing perpendicular to piping may be required. Requests to embed larger pipes should be accompanied by a detailed description and be submitted to the architect for evaluation. Aluminum conduits shall not be placed in concrete.

RC-11 Provide construction joints in accordance with ACI 318, Section 26.5.6. Provide keyways and adequate dowels. Submit drawings showing location of construction joints and direction of pour for review.

RC-12 Provide 3/4" chamfer for all exposed corners.

RC-13 Provide reinforcing steel installer with a set of Structural Drawings for field reference. Inspect reinforcing steel placing from structural drawings.

CONCRETE MASONRY

CM-1 Construct masonry in accordance with Plan Specifications, Specification Sections 042000 and 042200; TMS 402/602 "Building Code Requirements and Specifications for Masonry Structures."

CM-2 The structure is supported by bearing walls, U.O.N. Erect masonry prior to casting concrete columns within bearing walls or casting beams and slabs supported by bearing walls.

CM-3 Use nominal 8x8x16, concrete masonry units conforming to ASTM C90. Block net area compressive strength shall be 2,000 psi. Lay masonry in running bond. Sawcut units which are not in multiples of 8". Units shall be at least 8" long. Bond corners by lapping ends 8" in successive courses. Design of walls is based on a f'm of 2,000 psi.

CM-4 Use Type S mortar in accordance with ASTM C270 except use Type M mortar for retaining walls. Head and bed joints shall be 3/8" for the thickness of the face shell. Webs are to be fully mortared in all courses of piers, columns and pilasters; in the starting course; and where an adjacent cell is to be grouted. Remove mortar protrusions extending 1/2" or more into cells to be grouted.

CM-5 Use standard (9 gauge - 0.148 inch) horizontal joint reinforcing in every other course. Joint reinforcing and anchors in exterior walls shall conform to ASTM A 153 Class B2, with a coating thickness of 1.50 oz/sf; conform to ASTM A 641 in interior walls. Overlap discontinuous ends 6". Use prefabricated corners and tees. Use ladder type in walls with vertical reinforcing, otherwise use truss type. Extend joint reinforcing a minimum of 4" into tie columns.

CM-6 Use fine grout conforming to ASTM C476, with a minimum compressive strength of 2500 psi in 28 days. Aggregate to conform to ASTM C404 for fine grout, with slump of 8" to 10". Grout all masonry containing reinforcing, all cells of 4 hour rated walls, bond beams, cells with expansion anchors, and where indicated on the drawings. Allow mortar to cure 24 hours prior to grouting. Provide cleanout openings at the base of cells containing reinforcing steel to clean the cell and to tie the vertical bar to the dowel. In high-lift grouting, use 5'-0" (max.) lifts, with 1/2 hour to 1 hour between lifts. Vibrate each lift and reconsolidate the previous lift.

CM-7 Use ASTM A-615 Grade 60 reinforcing steel. Reinforce walls where indicated on the drawings and at all intersections, each side of openings and at the ends of walls. Use bar spacers at 10 ft. o.c. where grout pour height exceeds 10 ft. Provide reinforcing dowels of the same size and spacing as vertical reinforcing.

CM-8 Reinforced masonry wall construction shall be inspected by an Engineer or Architect in accordance with ACI 530.1/ASCE 6.

CM-9 Where anchor bolts, wedge anchors or anchors set in epoxy are set in a masonry wall, fill cells with grout for bolted course, one course above and two courses below.

CM-10 Provide lintels or headers with min. 8" bearing over all masonry openings.

CM-11 Use pressure-treated wood for wood in contact with masonry.

POST-INSTALLED ANCHORS - GENERAL

AN-1 Substitution requests will be considered for products having an ICC-ES report recognizing the product for the appropriate application. Substitute concrete anchors must be approved for use in cracked concrete. Substitution requests shall include signed and sealed calculations prepared by a Florida Licensed Engineer who demonstrates that substituted product is capable of achieving the equivalent performance values of the design basis product.

AN-2 Confirm the absence of reinforcing steel by drilling a 1/4" diameter pilot hole for each anchor in non-post-tension applications. For post-tensioned slabs, confirm the absence of reinforcing steel by nondestructive testing prior to drilling holes. Do not cut reinforcing steel without approval of the Structural Engineer.

AN-3 Install in accordance with manufacturer's printed installation instructions (MPII) (ACI 314-14, 17.8.1). Refer to MPII for appropriate drill size. Clean hole and remove dust.

AN-4 Anchors listed below may not be used to substitute the specified anchors in a product's Notice of Acceptance (NOA) or Florida Product Approval.

AN-5 Anchors shall be installed in concrete having a minimum age of 21-days at time of anchor installation (ACI 318-14, 17.1.2)

POST-INSTALLED ANCHORS - MECHANICAL ANCHORS

AN-6 For anchoring into concrete: Wedge-Type Mechanical anchors shall have been tested and qualified for use in accordance with ACI 355.2 and ICC-ES AC193. Pre-approved anchors include Hilti Kwik Bolt TZ, DeWalt Power-Stud+SD1, and Simpson Strong-Bolt 2.

AN-7 For anchoring into grouted masonry: Wedge-Type Mechanical anchors shall have been tested and qualified for use in accordance with ICC-ES AC01. Pre-approved anchors include the Hilti Kwik Bolt III, DeWalt Power-Stud+SD1, and Simpson Wedge-All.

AN-8 For drop-in anchors for fastening to the underside of post-tensioned slabs and hollowcore with a maximum embedment of ¾": Pre-approved anchor is the DeWalt Mini-Undercut +.

POST-INSTALLED ANCHORS - SCREW ANCHORS

AN-9 For anchoring into concrete: Screw anchors shall have been tested and qualified for use in accordance with ACI 355.2 and ICC-ES AC193. Pre-approved anchors include the ¼"Ø Hilti KH-EZ and the ¼"Ø DeWalt Screw Bolt +.

AN-10 For anchoring into grouted or ungrouted masonry: Screw Anchors shall have been tested and qualified for use in accordance with ICC-ES AC106. Pre-approved anchor is the ITW Redhead Tapcon.

POST-INSTALLED ANCHORS - ADHESIVE ANCHORS

AN-11 For upwardly inclined or horizontal anchors, installer shall be certified by the ACI/CRSI Adhesive Anchor Installation Certification Program.

AN-12 Install adhesive anchors in accordance with manufacturer's requirements for concrete age, temperature, moisture condition, acceptable drilling methods, and hole preparation in conformance with ACI 318-14, 17.8.2.1.

AN-13 For anchoring into concrete: Adhesive anchors shall have been tested and qualified for use in accordance with ACI 355.4 and ICC-ES AC308. Pre-approved standard cure time adhesives include Hilti RE500v3, DeWalt Pure 110+, and Simpson Set-XP.

AN-14 For anchoring into grouted masonry: Adhesive anchors shall have been tested and qualified for use in accordance with ICC-ES AC58. Pre-approved anchors include Hilti HIT-HY 200-R, DeWalt PURE110+, and Simpson Set-XP.

AN-15 Threaded rods for use with adhesive are galvanized ASTM F1554 Grade 36 U.O.N.

POST-INSTALLED ANCHORS - POWDER-ACTUATED FASTENERS

AN-16 Powder-actuated fasteners shall not be used to fasten to concrete or masonry U.O.N.

AN-17 Powder-actuated fasteners may be used to fasten cold-formed structural steel tracks and clips to walls but not to the underside of concrete or masonry elements where the fastener will be primarily loaded in tension.

AN-18 Powder-actuated fasteners shall have been tested and qualified for use in accordance with ICC-ES AC70.

AN-19 For anchoring into structural steel: Pre-approved anchors include the Hilti X-U, DeWalt CSI, and Simpson PDPA, with penetration of the entire tipped-portion of the fastener.

AN-20 Provide a minimum of two fasteners per connection.

AN-21 Refer to manufacturer's instructions for installation and appropriate cartridge load.

AN-22 Provide fastener spacing and edge distance as shown on the Drawings. Minimum fastener spacing is 1 inch and edge distance of 1/2 inch.

STRUCTURAL STEEL

SS-1 Fabricate and erect structural steel in conformance with Plan Specifications or Specification Section 051200, AISC "Specification for Structural Steel Buildings", with Commentary, and all OSHA requirements.

SS-2 Structural steel shapes shall be fabricated from the following materials:

A. Rolled W and WT Shapes: ASTM A992, Grade 50.
B. Rolled M, S, C and MC Shapes and Angles: ASTM A36, fy=36 ksi.
C. Plates and Bars: ASTM A36, fy=36 ksi and ASTM A572, fy=50 ksi.
D. Cold-formed Hollow Structural Sections (HSS):
   1. Round Sections: ASTM A500, Grade C, fy=46 ksi.
   2. Square and Rectangular Sections: ASTM A500, Grade C, fy=50 ksi.
E. Steel Pipe: ASTM A53, type E or S, Grade B, fy=35 ksi.

SS-3 All connections that are not fully detailed on the drawings or where factored forces are indicated shall be designed by the Fabricator's Florida licensed Delegated Engineer. Submit signed and sealed calculations for review and approval prior to fabrication. See Plan Specifications or Project Specifications Section 051200 for additional information.

SS-4 All shop and field welding shall conform to the AWS D1.1 Structural Welding Code by the American Welding Society. Use E70 series welding electrodes, u.o.n. where necessary, remove galvanizing or primer prior to welding.

SS-5 GR A325 and GR A490 bolts shall comply with "Specification for Structural Joints Using High Strength Bolts", including Commentary.

A. Typical bolts used in structural connections for this Project are 3/4" diameter GR A325N.
B. Tighten bearing-type bolts (GR A325N, GR A325X, GR A490N, and GR A490X) to the snug tight condition as follows:
   1. Bolts shall be placed in all holes, with washers positioned as required and nuts threaded to complete the assembly.
   2. Compacting the joint to the snug-tight condition shall progress systematically from the most rigid part of the joint.
   3. The snug-tightened condition is the tightness that is attained with a few impacts of an impact wrench or the full effort of an ironworker using an ordinary spud wrench.
   4. More than one cycle through the bolt pattern may be required to achieve the snug-tightened joint.
C. Tighten slip-critical bolts (GR A325SC, GR A325TC, GR A490SC, and GR A490TC) to the minimum fastener tension indicated in Table 8.1 of the "Specification for Structural Joints Using High Strength Bolts" as follows:
   1. Confirm with Architect on which face of the connection the round head of the TC bolt shall be located for exposed connections.
   2. Begin final tightening of slip-critical bolts only after a snug-tight joint as described above is achieved. Progress systematically from the most rigid part of the joint.
   3. If splined end of tension-control bolts is severed prior to achieving snug-tight joint, remove and replace the fastener assembly.
   4. Progress systematically from the most rigid part of the joint in a manner that will minimize relaxation of previously pretensioned bolts.
   5. Determine tension using either load indicator washers, twist-off tension-control bolts, or a calibrated torque wrench.
D. Provide hardened washers conforming to ASTM F436 and place under the part being turned.
E. Do not reuse or retighten bolts which have been fully tightened. Use only non-galvanized nuts and bolts that are clean, rust-free, and well lubricated. Hex head bolts and nuts shall be wax dipped by the bolt supplier or lubricated with Castrol Industrial Stick Wax. Cleaning and lubrication of ASTM F3125, Grade F1852 and F2280 twist-off tension-control bolts is not permitted.
F. Store fastener components in sealed containers until ready for use. Reseal open containers to prevent contamination by moisture or other deleterious substances. Store closed containers from dirt and moisture in a protective shelter. Take from protective storage only as many fastener components as are anticipated to be installed during the work shift. Fastener components that are not incorporated into the work shall be returned to protective storage at the end of the work shift. Fasteners from open containers and fasteners that accumulate rust or dirt shall not be used and shall be immediately and permanently removed from the project site.

SS-6 Use A-307 bolts for all erection bolts and bolts less than 3/4" diameter, u.o.n.

SS-7 Anchor rods shall be ASTM F1554 Grade 36 with supplementary requirement S1 threaded with nuts and washers each end.

SS-8 Setting base and bearing plates: clean concrete and masonry bearing surface of bond-reducing materials and clean bottom of base and bearing plate.

A. Set base or bearing plate on wedges or other adjusting devices.
B. Tighten anchor rods after structural steel frame has been plumbed. Do not remove wedges or shims but, if protruding, cut off flush with edge of base or bearing plate prior to packing with grout.
C. Pack or pour non-shrink grout solidly between bearing surface and base or bearing plate. Ensure that no voids remain. Finish exposed surfaces, protect grout and allow to cure.
D. For proprietary grout materials, comply with manufacturer's instructions.
E. Base plates must be grouted a minimum of 72 hours prior to placing concrete slabs on supporting steel structure.

SS-9 All steel beams supporting concrete floors on steel deck are to be constructed as composite with the slab and shall be constructed unshored, u.o.n. Beams include channels, steel tubes, wide flange sections, trusses, etc. Weld 3/4" diameter headed steel studs to all composite beams. Where base material is thinner than 0.3", use 5/8" diameter studs. Studs shall conform to AWS D1.1. Stud length shall extend 1 1/2" above top flute of deck. Space studs at 6" o.c. for girders supporting beams and at 12" o.c. for beams supporting steel deck only, u.o.n. on plan. Weld studs through deck.

SS-10 Cut, drill, or punch holes perpendicular to metal surfaces. Ream holes that must be enlarged to admit bolts as permitted by Architect. Do not enlarge unfair holes by burning or using drift pins.

SS-11 Space filler beams equally between supports, U.O.N.

SS-12 Do not splice structural steel members except where indicated on the drawings.

SS-13 See Architectural and Mechanical Drawings for miscellaneous steel not shown on the Structural Drawings.

SS-14 Refer to Architectural Drawings and/or Project Specifications for painting and fireproofing of structural steel. Do not paint steel surfaces in contact with concrete or fireproofing.

SS-15 Structural steel exposed to weather is to be hot dipped galvanized. This includes roof top mechanical equipment supports and ground floor terrace steel.

STEEL FLOOR DECK

FD-1 Manufacture and install composite steel deck in conformance with Plan Specifications or Specification Section 053100 and Specifications of the Steel Deck Institute.

FD-2 Manufacture composite deck steel sheets conforming to ASTM A653, with a minimum yield point of 40 ksi and 0.050 inch (min.) high shear lugs (web embossments.) Provide protective zinc coating of G60, except provide G90 for roofs or where top of slab or bottom of deck is exposed to weather. Minimum deck properties are as follows:

Depth	Gage	Sp (in3)	Sn (in3)
2"	20	0.341	0.346

FD-3 The bare steel deck has been designed to support construction loads unshored, U.O.N.

FD-4 Weld deck to each support with 5/8" diameter puddle welds at 12" O.C. Headed studs may replace puddle welds where locations coincide, provided metal burn through does not occur. Fasten side laps with #10 screws at 18" O.C. max. Refer to Structural Steel notes and plans for headed stud size and spacing.

FD-5 Erect steel deck closures and other light gage material required to produce a completed installation.

FD-6 Install steel deck for a minimum two span condition unless a three-span condition is required to meet manufacturer's construction span requirements. Shore deck otherwise. One span conditions are prohibited except where specifically shown on the drawings.

STEEL ROOF DECK

RD-1 Manufacture and install steel deck in conformance with Plan Specifications or Specification Section 053100 and Specifications of the Steel Deck Institute.

RD-2 Manufacture steel sheets conforming to ASTM A653, with a minimum yield point of 40 ksi and a G90 protective zinc coating. Minimum deck properties are as follows:

Depth	Gage	Sp (in3)	Sn (in3)
1 1/2"	20	0.234	0.247

RD-3 Fasten deck to all supports as indicated on Drawings. Fasten side laps as indicated on drawings.

RD-4 Erect steel deck closures and other light gage material required to produce a completed installation.

RD-5 Manufacture and install steel deck for a minimum two span condition. One span conditions are prohibited except where specifically shown on the Drawings.

RD-6 Do not hang ceiling, ducts, light fixtures, equipment or other items from roof deck.

NOTES CONTINUED ON NEXT SHEET

PHASE:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT	TLC	CSC	07/30/2021
50% CONSTRUCTION DOCUMENTS	TLC	CSC	10/07/2021
100% CONSTRUCTION DOCUMENTS	TLC	CSC	12/09/2021
ADDENDUM 1			
ADDENDUM 2			

ID:	REVISION:	DATE:

TO THE BEST OF MY KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES.

Client:
Leon County R&D Authority
Tallahassee, Florida

Job Title:
North Florida Innovation Labs

Consultant:
BLISS & NYITRAY, INC.
STRUCTURAL ENGINEERS
Certificate of Authorization No. 674
227 N Bronough St., Suite 7300
Tallahassee Florida, 32301
T 850-222-4454 F 850-222-9425
www.bniengineers.com

Project #: 21414 / BNI No. 21T08
Phase: DESIGN DEVELOPMENT

ALW
Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net

Christopher S. Childers, P.E.
Fla. Reg. No. 50812

Description: STRUCTURAL NOTES

Sheet No.: S1.01

STRUCTURAL NOTES CONT'D

LIGHT GAGE STEEL FRAMING (LTGFRM) EXTERIOR WALLS

LG-1. Design, detail, fabricate and erect exterior stud construction in accordance with the General Notes and Specification Section 054000 "Cold-Formed Metal Framing". An allowable stress increase for load combinations including wind is prohibited.

LG-2. Light gage steel framing details shown on contract documents represent a minimum design intent to be followed. Connections not detailed in contract documents shall be designed and detailed by fabricator according to specifications and requirements herein. Minimum gage of members is 18 gage, but not less than that shown on the plans and details.

LG-3. Submit complete shop drawings and calculations showing method of fabrication, erection procedures, attachment of the system to the building, joints, connections and framing. Calculations and shop drawings shall be prepared, signed and sealed by a Delegated Engineer. See Notes "Shop Drawings And Other Submittals". Calculations are submitted for record only.

LG-4. Use galvanized steel "C" studs, tracks, angles and straps as shown on drawings and details providing the following minimum section properties:

C-studs:

3-5/8"	18 gage	I=0.694	S=0.365	MR= 8045 in-lb
3-5/8"	16 gage	I=0.855	S=0.439	MR=14680 in-lb
6"	18 gage	I=2.268	S=0.733	MR=16142 in-lb
6"	16 gage	I=2.803	S=0.887	MR=29630 in-lb

All tracks to be same gage as studs with minimum of 1-1/4" leg.

LG-5. Max. spacing of lateral bridging for LTGFRM studs shall be 5'-0" for spans greater than ten (10) feet and midspan for shorter spans. Lateral bridging shall also be provided at free ends of cantilevered parapets and near the supports of continuous spans.

LG-6. LTGFRM connections to structural framing shall be capable of withstanding a min. 250 pounds force in any direction, but not less than that required by calculations. Connect LTGFRM to structural frame so as to minimize introduction of flexural and torsional forces in structural members. Provide struts, knee bracing, etc., to stabilize LTGFRM framing as required.

LG-7. Door and window sills, headers, and jambs shall be designed to resist wind forces on tributary windows and doors and to transmit these forces to the primary structural frame. As a minimum, at openings provide double sills, headers and jambs.

LG-8. Screws, where required, shall meet the minimum requirements of SAE J-429 Grade 5 and IFI-105. Screws shall have a protective coating equivalent to cadmium or zinc plating, ASTM B766.

LG-9. The following are minimum fastener requirements:

a. LTGFRM to LTGFRM: use self-tapping/drilling screws; No. 10-16 for 18 ga and No. 12-14 for 16-ga LTGFRM. 2 screws per connection. One screw each flange for stud to track connections.

b. LTGFRM to concrete and structural steel -
   i. 3-5/8" track - 1 pin at 16" oc staggered
   ii. 6" track - 2 pins at 16" oc at studs

LG-10. Field cutting of LTGFRM framing members shall be by saw or shear. Torch cutting is not permitted.

LG-11. Splicing of framing components, other than the continuous track at the top and bottom of walls, is not permitted, u.o.n. Splicing of track used in the construction of the jamb, head or sill assemblies of framed wall openings is not permitted. Where splicing of track is necessary between stud spacings, a section of stud shall be placed in the adjoining tracks across the joint and fastened to the flanges at both sides of the wall.

LG-12. Limit deflections of studs between supports to L/240 or as required by exterior wall system.

PHASE:	DRAWN:	REVIEWED:	DATE:	ID:	REVISION:	DATE:
DESIGN DEVELOPMENT	TLC	CSC	07/30/2021			
50% CONSTRUCTION DOCUMENTS	TLC	CSC	10/07/2021			
100% CONSTRUCTION DOCUMENTS	TLC	CSC	12/09/2021			
ADDENDUM 1						
ADDENDUM 2						

TO THE BEST OF MY KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES.

Client:
Leon County R&D Authority
Tallahassee, Florida

Job Title:
North Florida Innovation Labs

Consultant:
BLISS & NYITRAY, INC.
STRUCTURAL ENGINEERS
Certificate of Authorization No. 674
227 N Bronough St., Suite 7300
Tallahassee Florida, 32301
T 850-222-4454 F 850-222-9425
www.bniengineers.com

Project #: **21414 / BNI No. 21T08**
Phase: **DESIGN DEVELOPMENT**

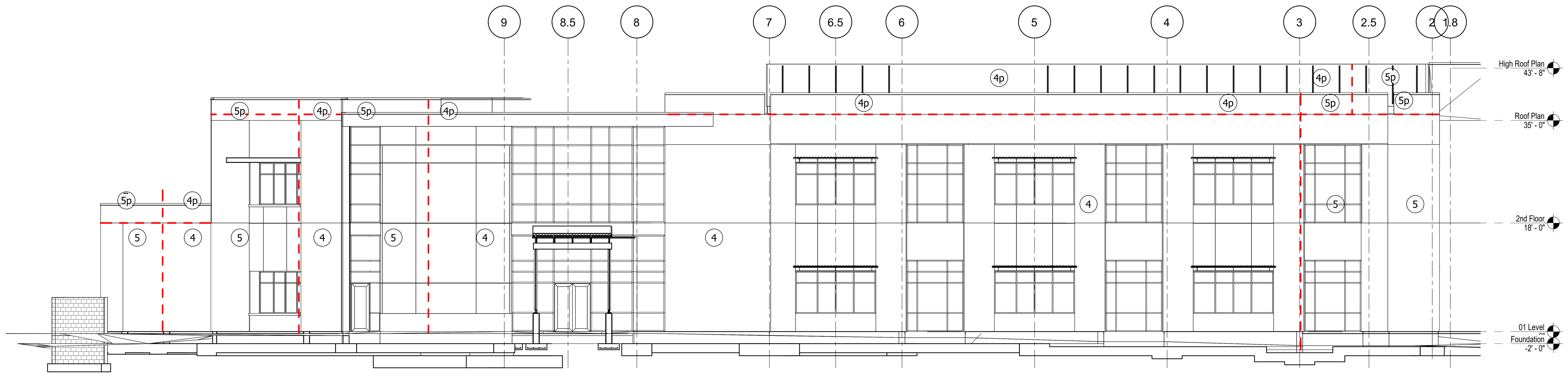
ALW
Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net

CHRISTOPHER S. CHILDERS
LICENSE
NO. 50812
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Christopher S. Childers, P.E.
Fla. Reg. No. 50812

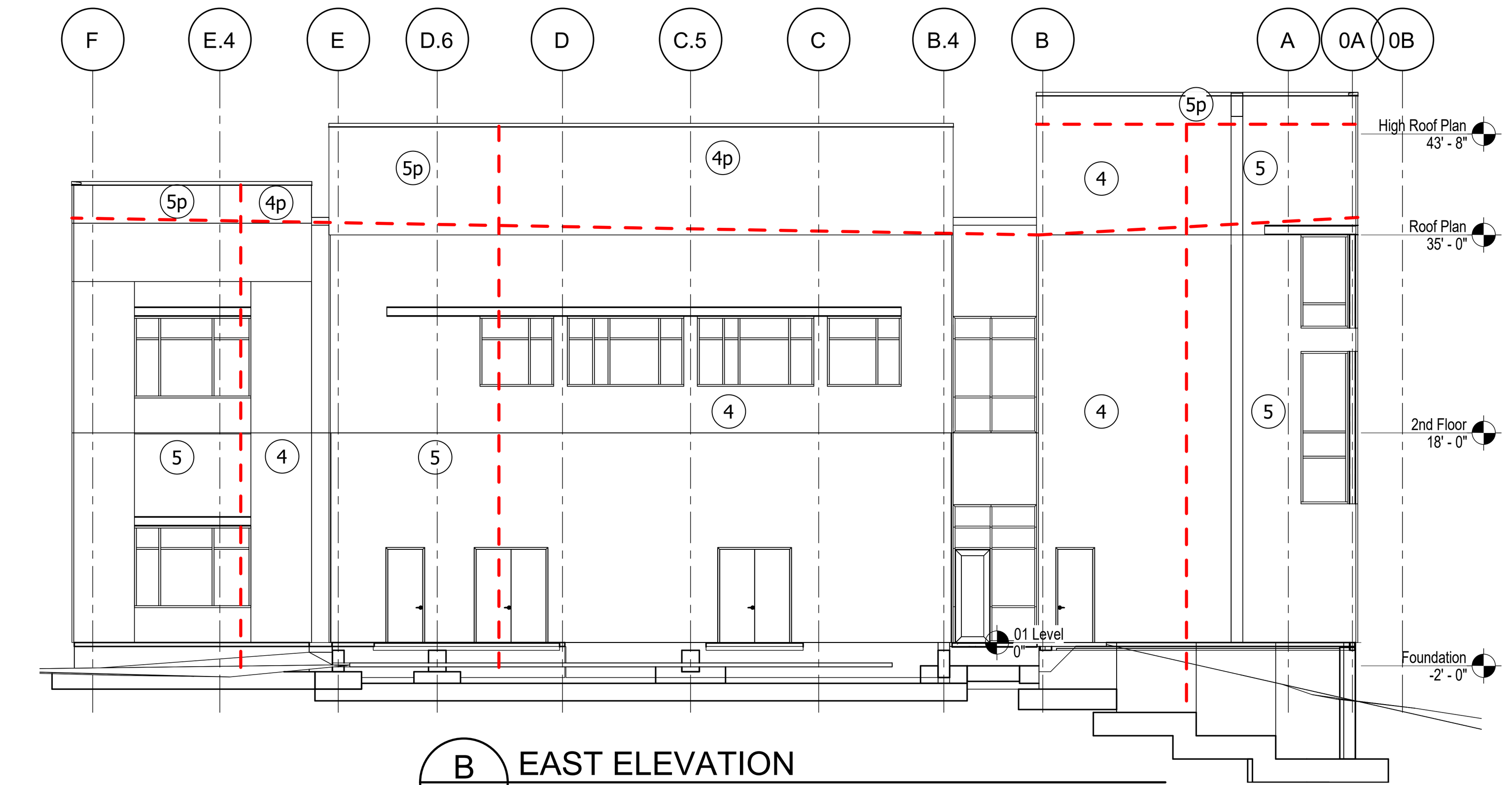
Description:
STRUCTURAL NOTES

Sheet No.:
S1.02



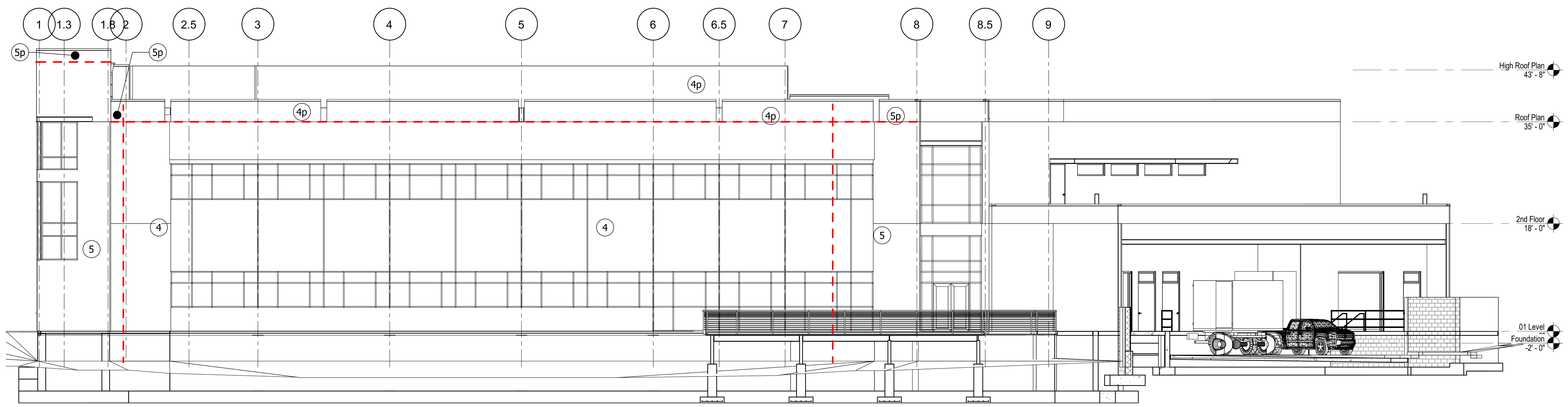
A SOUTH ELEVATION

3/32" = 1'-0"



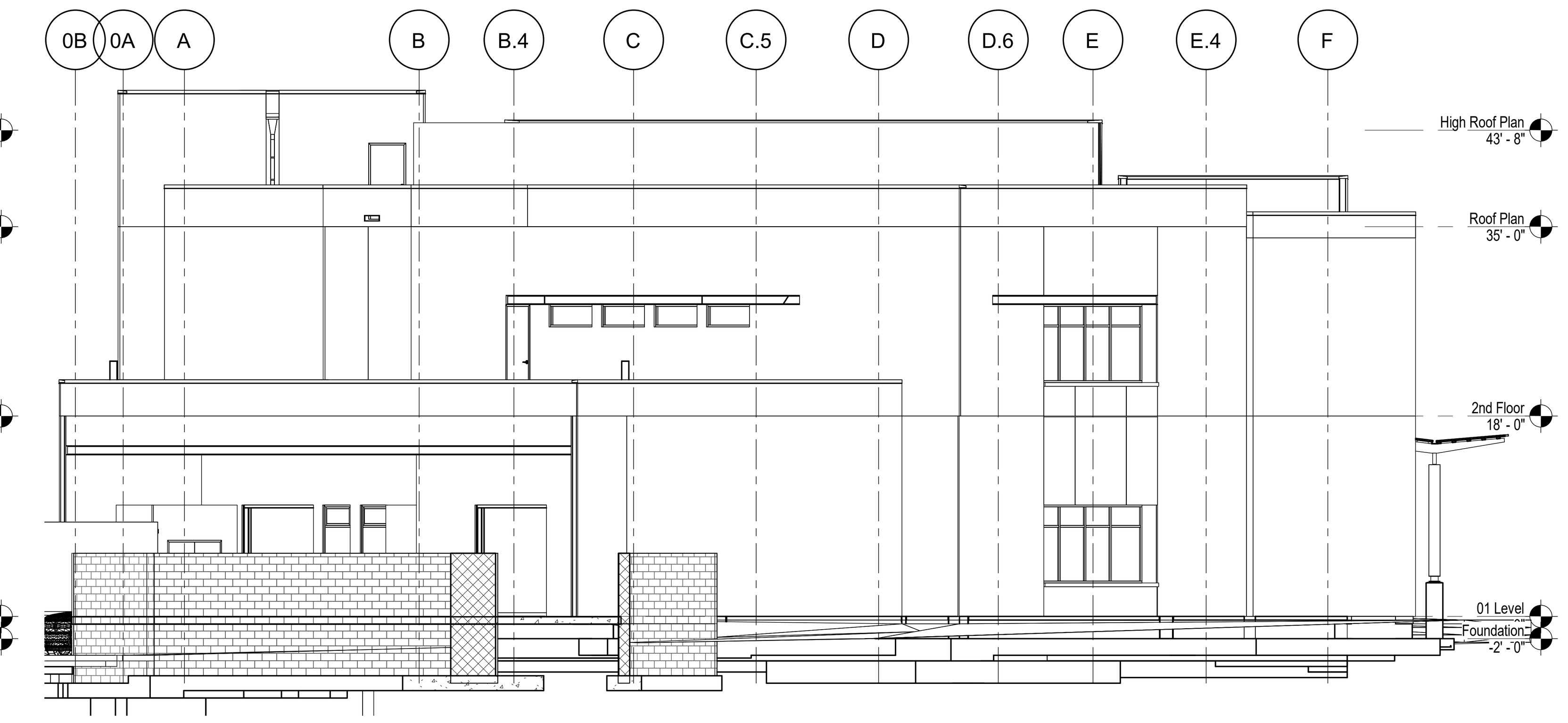
B EAST ELEVATION

3/32" = 1'-0"



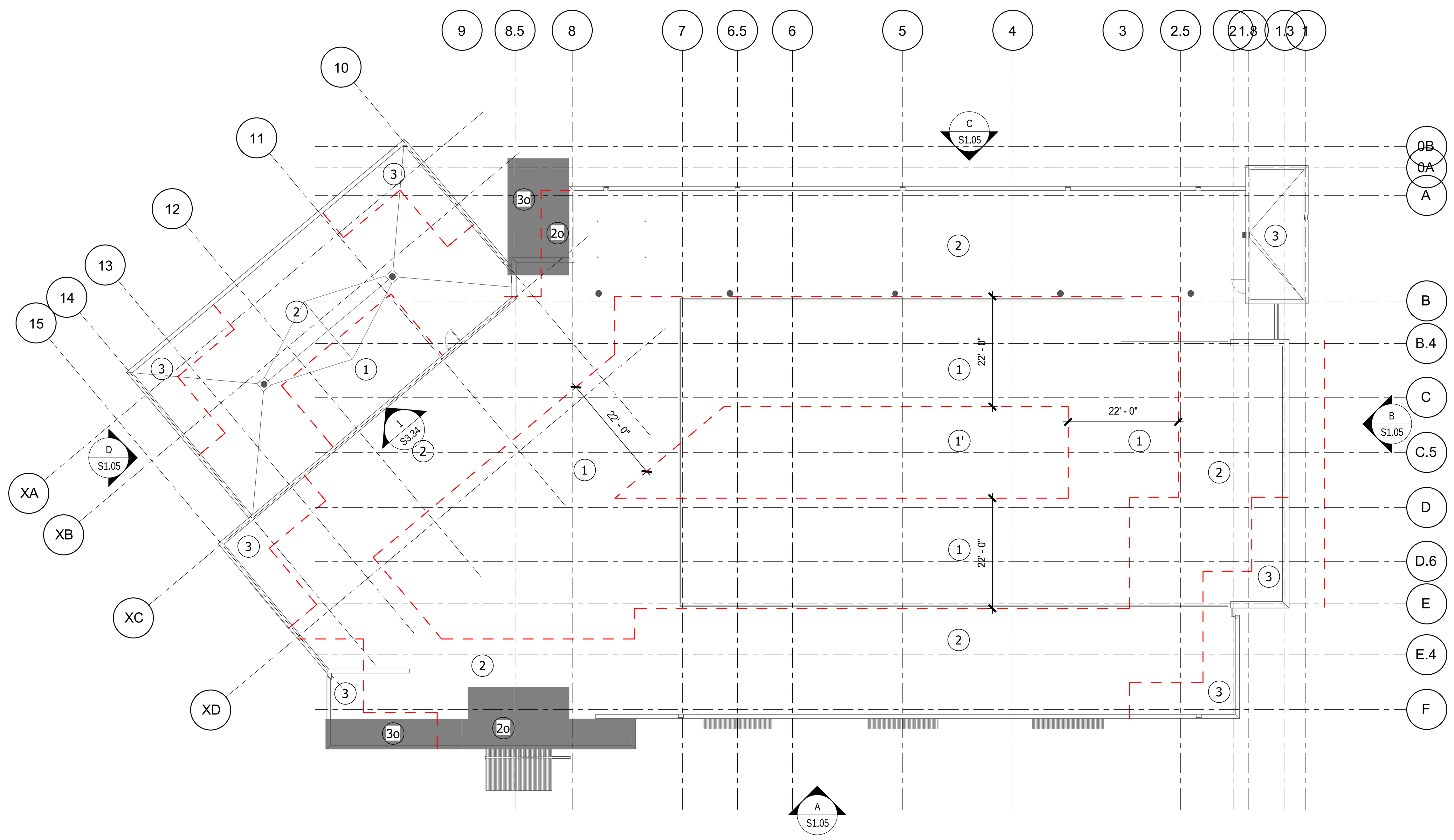
C NORTH ELEVATION

3/32" = 1'-0"



D WEST ELEVATION

3/32" = 1'-0"



ROOF WINDLOAD PLAN

1/16" = 1'-0"

ROOF WIND PRESSURES (PSF)

ZONES	TRIBUTARY AREA (SF)					
	10	20	50	100	200	500
1	-27/+10	-25/+10	-23/+10	-21/+10	-19/+10	-17/+10
1'	-15/+10	-15/+10	-15/+10	-15/+10	-13/+10	-11/+10
2	-35/+15	-33/+15	-30/+14	-28/+13	-25/+13	-22/+12
3	-47/+15	-43/+15	-37/+14	-33/+13	-28/+13	-22/+12

OVERHANG PRESSURES (PSF)

ZONE	TRIBUTARY AREA (SF)					
	10	20	50	100	200	500
2o	-35	-32	-28	-25	-22	-18
3o	-47	-42	-35	-30	-25	-18

WALL WIND PRESSURES (PSF)

ZONE	TRIBUTARY AREA (SF)					
	10	20	50	100	200	500
4	-17/+15	-16/+15	-15/+14	-15/+13	-14/+13	-13/+12
5	-20/+15	-19/+15	-17/+14	-16/+13	-15/+13	-13/+12

PARAPET PRESSURES (PSF)

ZONES	TRIBUTARY AREA (SF)					
	10	20	50	100	200	500
4P	48	45	41	38	35	31
5P	48	45	41	38	35	31

WIND PRESSURE NOTES

1. Numbers on this sheet are the components and cladding gross unfactored pressures perpendicular to the surface (in P.S.F.) based on tributary area. Multiply service pressures by 1.67 to obtain W pressures for factored loads using strength design (ASCE 7-16 2.3).
2. Pressures are derived from ASCE 7-16.
3. Directionality factor Kd = .85
4. Negative pressures act away from surface, positive pressures act toward surface.
5. Parapet pressures are the resultant force from positive wall and negative roof pressures
6. All dimensions shown are measured perpendicular to surface.

WIND PRESSURE LEGEND

(#) Denotes wind pressure zone

— — — Denotes wind load separation

Client: Leon County R&D Authority, Tallahassee, Florida

Job Title: North Florida Innovation Labs

Consultant: BLISS & NYITRAY, INC. STRUCTURAL ENGINEERS

Project #: 21414 / BNI No. 21T08

Phase: DESIGN DEVELOPMENT

ALW

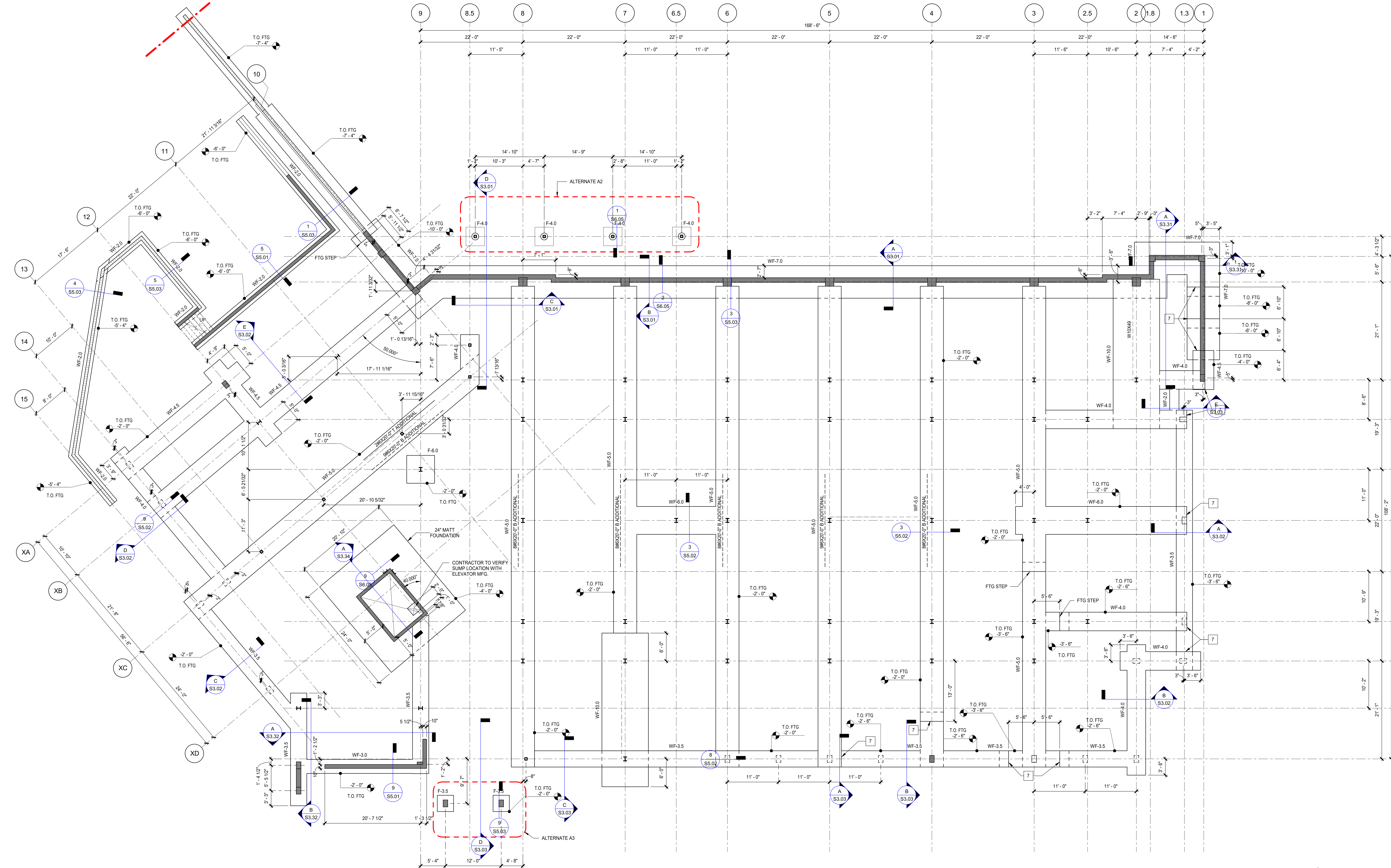
Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net

CHRISTOPHER S. CHILDERS, LICENSE NO. 50812, STATE OF FLORIDA, PROFESSIONAL ENGINEER

Christopher S. Childers, P.E.
Fla. Reg. No. 50812

Description: WINDLOAD DIAGRAMS

Sheet No.: S1.05



FOUNDATION PLAN

1/8" = 1'-0"

NORTH

PLAN NOTES:

1. 4" CONCRETE SLAB ON GRADE REINFORCE WITH WWR 6"x6x-W2.9xw2.9
2. 6" CONCRETE SLAB ON GRADE REINFORCE WITH 2 LAYERS OF WWR 6"x6"-W2.9xW2.9
3. 8" CONCRETE SLAB ON GRADE REINFORCE WITH 2 LAYERS OF WWR 4"x4"-W2.9xW2.9
4. 6" MINIMUM THICKNESS SLAB ON 2" - 20 GAGE G90 COMPOSITE STEEL DECK REINFORCE WITH WWR 4"x4"-W4.0xW4.0 AND #4@12" BOTTOM PARALLEL TO DECK FLUTES
5. SLAB CONTROL JOINST SEE TYPICAL DETAILS
6. SLAB ISOLATION JOINT SEE TYPICAL DETAILS 2/S5.01
7. STEP FOOTING, SEE TYPICAL DETAILS
8. POST FOR ROLL-UP DOOR
9. 2#4x4'-0" CTR'D IN SLAB

PLAN LEGEND:

TC-#	DENOTES TIE COLUMN
#	DENOTES CONCRETE COLUMN

REFERENCE SHEETS

WALL SECTIONS	S3.01
WALL SECTIONS	S3.02
WALL SECTIONS	S3.03
STAIR SECTIONS	S3.31
STAIR SECTIONS	S3.32
VERTICAL BRACING	S3.33
ELEVATOR SECTION & VERTICAL BRACING	S3.34
STAIR DETAILS	S3.41
VERTICAL BRACING DETAILS	S3.42
VERTICAL BRACING DETAILS	S3.43
COLUMN SCHEDULE	S4.01
TYPICAL SLAB ON GRADE DETAILS	S5.01
TYPICAL FOUNDATION DETAILS AND SCHEDULES	S5.02
FOUNDATION DETAILS	S5.03
MASONRY DETAILS	S5.11
STEEL DETAILS	S6.01
STEEL DETAILS	S6.02
STEEL DETAILS	S6.03
ROOF DETAILS	S6.04
STEEL DETAILS	S6.05
LIGHT GAGE DETAILS	S7.01

CHRISTOPHER S. CHILDERS
LICENSE
NO. 50812
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Christopher S. Childers, P.E.
Fla. Reg. No. 50812

ID:	REVISION:	DATE:

PHASE:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT	TLC	CSC	07/30/2021
50% CONSTRUCTION DOCUMENTS	TLC	CSC	10/07/2021
100% CONSTRUCTION DOCUMENTS	TLC	CSC	12/09/2021
ADDENDUM 1			
ADDENDUM 2			

TO THE BEST OF MY KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES.

Consultant:
BLISS & NYITRAY, INC.
STRUCTURAL ENGINEERS
Certificate of Authorization No. 674
227 N Bronough St., Suite 7300
Tallahassee Florida, 32301
T 850-222-4454 F 850-222-9425
www.bnienginers.com

Client:
Leon County R&D Authority
Tallahassee, Florida

Job Title:
North Florida Innovation Labs

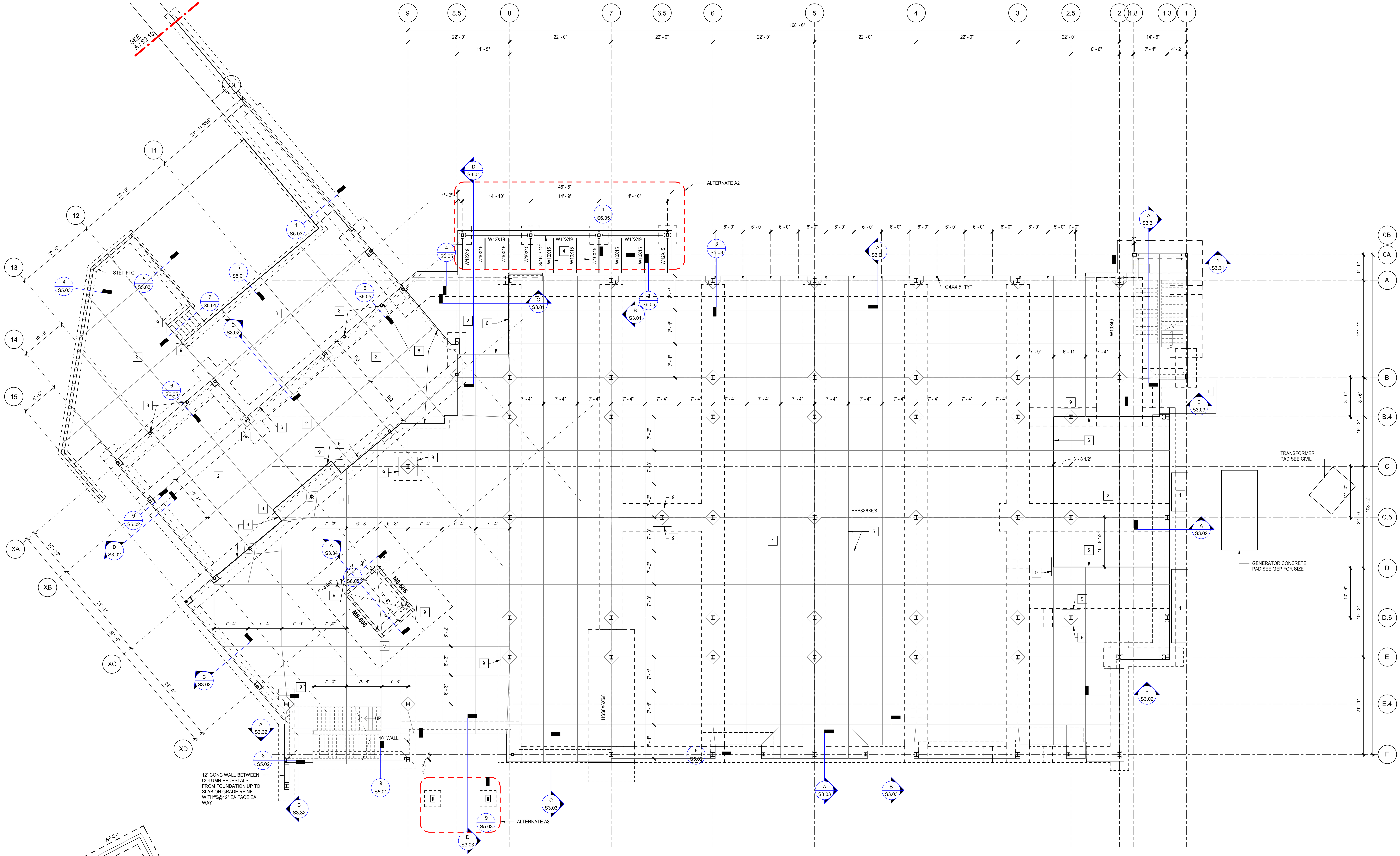
Project #: 21414 / BNI No. 21T08

Phase: DESIGN DEVELOPMENT

ALW
Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net

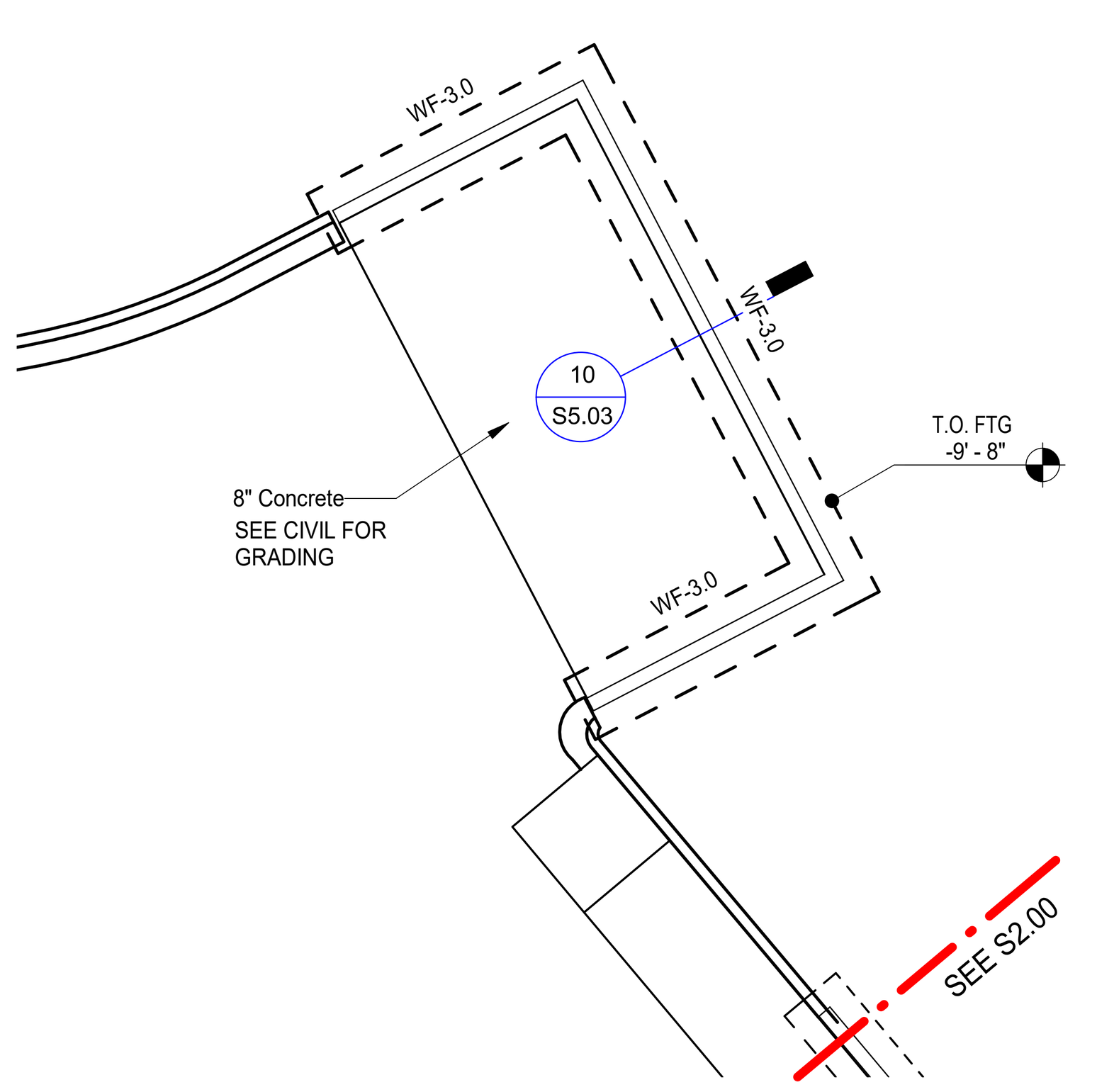
Description:
FOUNDATION PLAN

Sheet No.:
S2.00



GROUND FLOOR PLAN

1/8" = 1'-0"



A DUMPSTER AREA PLAN

SEE CIVIL AND ARCHITECTURAL FOR LOCATION

1/8" = 1'-0"

PLAN NOTES:

1. 4" CONCRETE SLAB ON GRADE REINFORCE WITH WWR 6"x6x-W2.9xw2.9
2. 6" CONCRETE SLAB ON GRADE REINFORCE WITH 2 LAYERS OF WWR 6"x6"-W2.9xW2.9
3. 8" CONCRETE SLAB ON GRADE REINFORCE WITH 2 LAYERS OF WWR 4"x4"-W2.9xW2.9
4. 6" MINIMUM THICKNESS SLAB ON 2" - 20 GAGE G90 COMPOSITE STEEL DECK REINFORCE WITH WWR 4"x4"-W4.0xW4.0 AND #4@12" BOTTOM PARALLEL TO DECK FLUTES
5. SLAB CONTROL JOINST SEE TYPICAL DETAILS
6. SLAB ISOLATION JOINT SEE TYPICAL DETAILS 2/S5.01
7. STEP FOOTING, SEE TYPICAL DETAILS
8. POST FOR ROLL-UP DOOR
9. 2#4x4'-0" CTR'D IN SLAB

PLAN LEGEND:

TC-# DENOTES TIE COLUMN

# DENOTES CONCRETE COLUMN

MASONRY REINFORCING NOTATION

#6 VERTICAL REINFORCING — @8" O.C.

M8-608

8" MASONRY

REFERENCE SHEETS

WALL SECTIONS	S3.01
WALL SECTIONS	S3.02
WALL SECTIONS	S3.03
STAIR SECTIONS	S3.31
STAIR SECTIONS	S3.32
VERTICAL BRACING	S3.33
ELEVATOR SECTION & VERTICAL BRACING	S3.34
STAIR DETAILS	S3.41
VERTICAL BRACING DETAILS	S3.42
VERTICAL BRACING DETAILS	S3.43
COLUMN SCHEDULE	S4.01
TYPICAL SLAB ON GRADE DETAILS	S5.01
TYPICAL FOUNDATION DETAILS AND SCHEDULES	S5.02
FOUNDATION DETAILS	S5.03
MASONRY DETAILS	S5.11
STEEL DETAILS	S6.01
STEEL DETAILS	S6.02
STEEL DETAILS	S6.03
ROOF DETAILS	S6.04
STEEL DETAILS	S6.05
LIGHT GAGE DETAILS	S7.01

Christopher S. Childers, P.E.
Fla. Reg. No. 50812

PHASE:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT	TLC	CSC	07/30/2021
50% CONSTRUCTION DOCUMENTS	TLC	CSC	10/07/2021
100% CONSTRUCTION DOCUMENTS	TLC	CSC	12/08/2021
ADDENDUM 1			
ADDENDUM 2			

TO THE BEST OF MY KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES.

Client: Leon County R&D Authority
Tallahassee, Florida

Job Title: North Florida Innovation Labs

Consultant:

BLISS & NYITRAY, INC.
STRUCTURAL ENGINEERS
Certificate of Authorization No. 674
227 N Bronough St., Suite 7300
Tallahassee, Florida, 32301
T 850-222-4454 F 850-222-9425
www.bnengineers.com

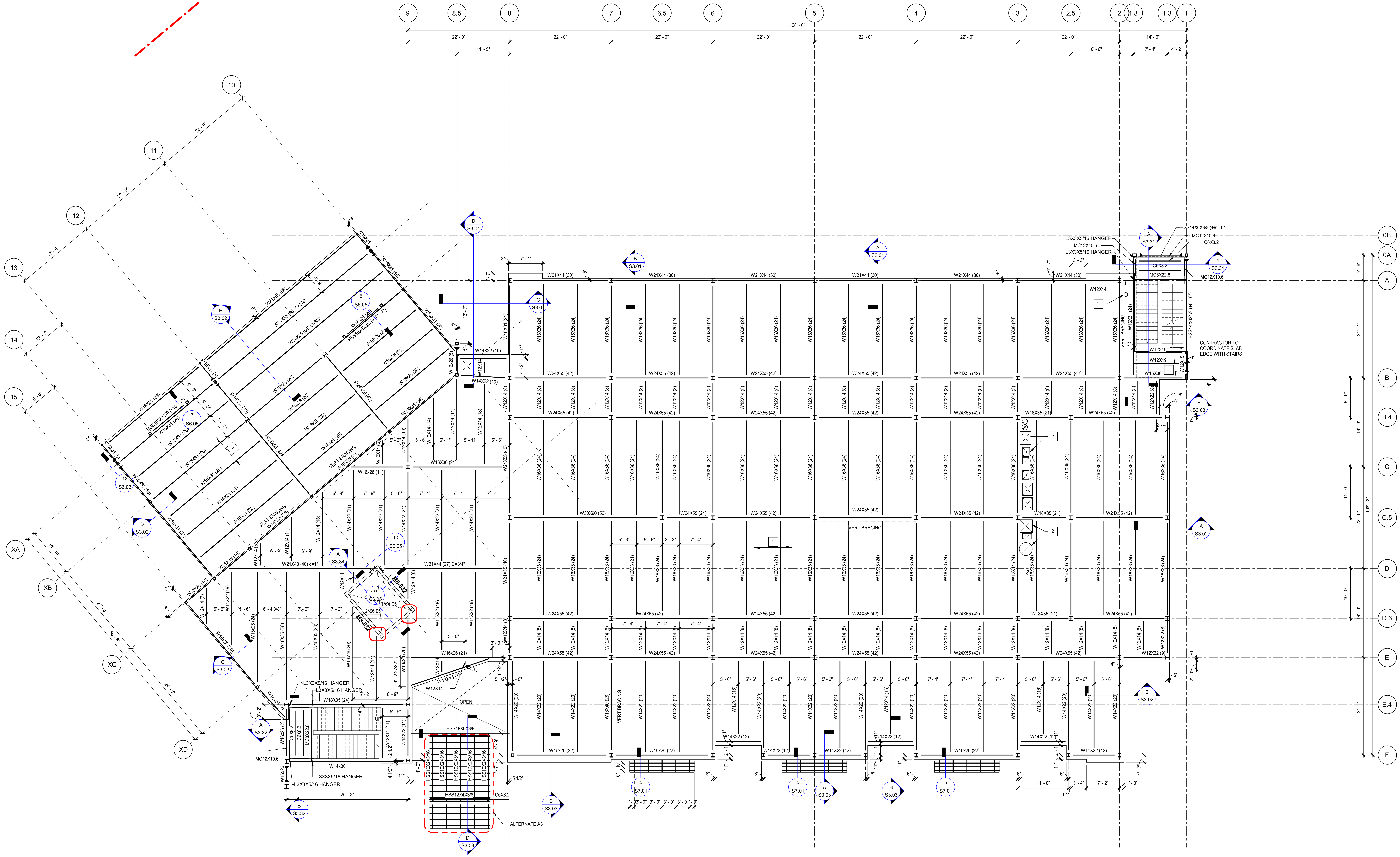
Project #: 21414 / BNI No. 21T08

Phase: DESIGN DEVELOPMENT

Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850,942.1718
www.think3d.net

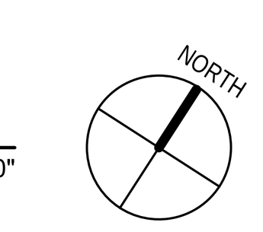
Description: **FIRST FLOOR FRAMING PLAN**

Sheet No.: S2.10



SECOND FLOOR FRAMING PLAN

1/8" = 1'-0"



PLAN NOTES:

1. 8" COMPOSITE SLAB WITH 2"-20 GAGE COMPOSITE DECK AND 6" NORMAL WEIGHT CONCRETE TOPPING. REINFORCE WITH WWR 4"x4" - W4.0xw4.0
2. PROVIDE FLOOR OPENING FRAMES PER TYP DETAILS. CONTRACTOR IS TO COORDINATE FRAME DIMENSIONS WITH MEP DRAWINGS.

PLAN LEGEND:

TC-#	DENOTES TIE COLUMN
#	DENOTES CONCRETE COLUMN

MASONRY REINFORCING NOTATION

#6 VERTICAL REINFORCING — @8" O.C.

M8-608

8" MASONRY

REFERENCE SHEETS

WALL SECTIONS	S3.01
WALL SECTIONS	S3.02
WALL SECTIONS	S3.03
STAIR SECTIONS	S3.31
STAIR SECTIONS	S3.32
VERTICAL BRACING	S3.33
ELEVATOR SECTION & VERTICAL BRACING	S3.34
STAIR DETAILS	S3.41
VERTICAL BRACING DETAILS	S3.42
VERTICAL BRACING DETAILS	S3.43
COLUMN SCHEDULE	S4.01
TYPICAL SLAB ON GRADE DETAILS	S5.01
TYPICAL FOUNDATION DETAILS AND SCHEDULES	S5.02
FOUNDATION DETAILS	S5.03
MASONRY DETAILS	S5.11
STEEL DETAILS	S6.01
STEEL DETAILS	S6.02
STEEL DETAILS	S6.03
ROOF DETAILS	S6.04
STEEL DETAILS	S6.05
LIGHT GAGE DETAILS	S7.01

ID:	REVISION:	DATE:

PHASE:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT	TLC	CSC	07/30/2021
50% CONSTRUCTION DOCUMENTS	TLC	CSC	10/07/2021
100% CONSTRUCTION DOCUMENTS	TLC	CSC	12/09/2021
ADDENDUM 1			
ADDENDUM 2			

TO THE BEST OF MY KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES.

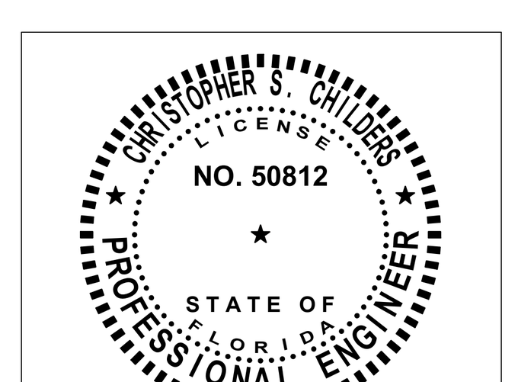
Consultant:
BLISS & NYITRAY, INC.
STRUCTURAL ENGINEERS
Certificate of Authorization No. 674
227 N Bronough St., Suite 7300
Tallahassee Florida, 32301
T 850-222-4454 F 850-222-9425
www.bnienginees.com

Client:
Leon County R&D Authority
Tallahassee, Florida

Job Title:
North Florida Innovation Labs

Project #: 21414 / BNI No. 21T08
Phase: DESIGN DEVELOPMENT

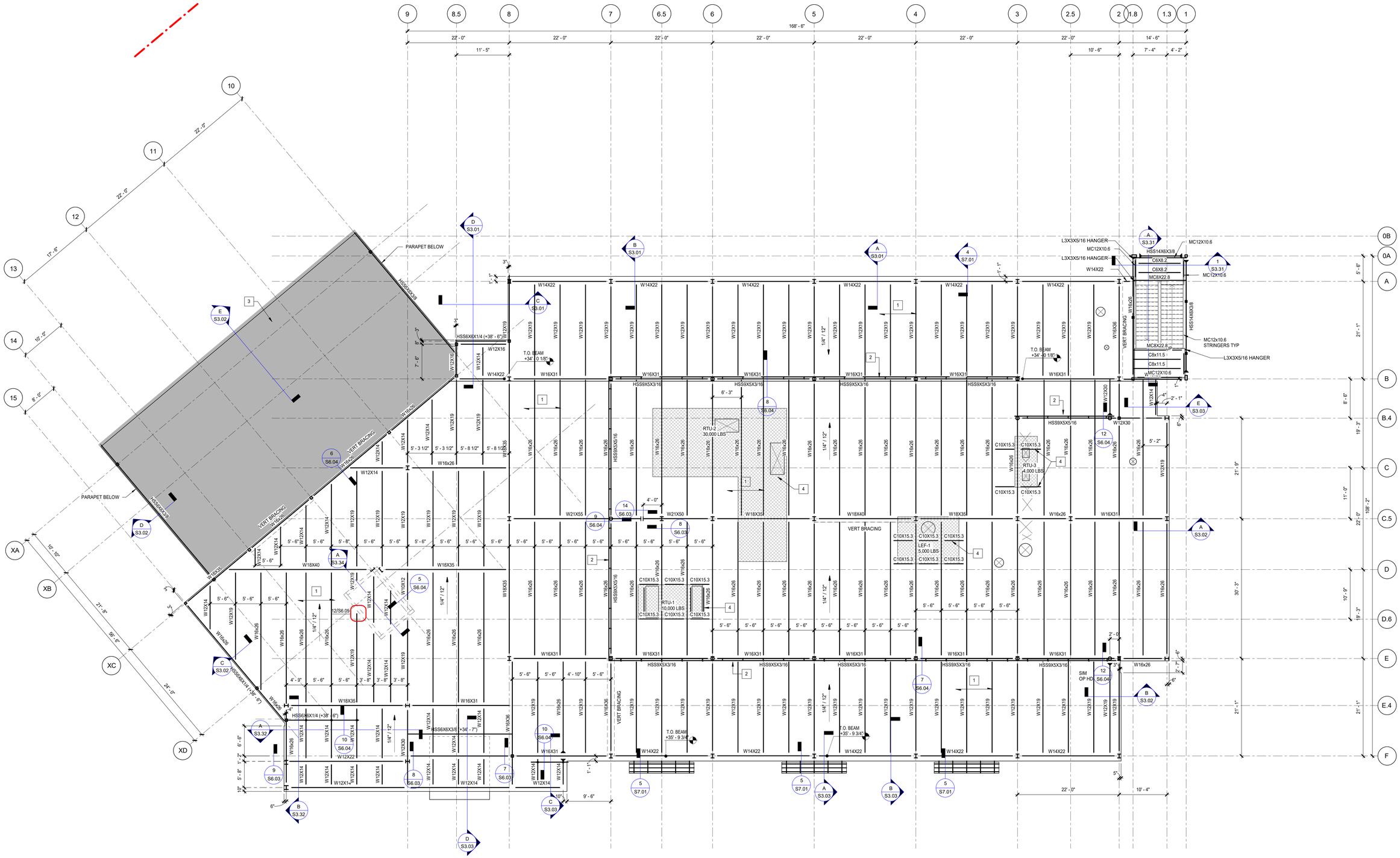
ALW
Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net



Christopher S. Childers, P.E.
Fla. Reg. No. 50812

Description:
SECOND FLOOR FRAMING PLAN

Sheet No.:
S2.20



ROOF FRAMING PLAN

1/8" = 1'-0"

NORTH

PLAN NOTES:

1	1 1/2" - 20 GAGE GALVANIZED STEEL ROOF DECK
2	SCREEN WALL
3	FUTURE ROOF
4	CONTRACTOR TO COORDINATE C10x15.3 SUPPORT FRAMING WITH EQUIPMENT MFG. C10 TO SUPPORT CURBS FOR UNITS AND OPENINGS THROUGH STEEL DECK.

PLAN LEGEND:

TC-#	DENOTES TIE COLUMN
#	DENOTES CONCRETE COLUMN

REFERENCE SHEETS

WALL SECTIONS	S3.01
WALL SECTIONS	S3.02
WALL SECTIONS	S3.03
STAIR SECTIONS	S3.31
STAIR SECTIONS	S3.32
VERTICAL BRACING	S3.33
ELEVATOR SECTION & VERTICAL BRACING	S3.34
STAIR DETAILS	S3.41
VERTICAL BRACING DETAILS	S3.42
VERTICAL BRACING DETAILS	S3.43
COLUMN SCHEDULE	S4.01
TYPICAL SLAB ON GRADE DETAILS	S5.01
TYPICAL FOUNDATION DETAILS AND SCHEDULES	S5.02
FOUNDATION DETAILS	S5.03
MASONRY DETAILS	S5.11
STEEL DETAILS	S6.01
STEEL DETAILS	S6.02
STEEL DETAILS	S6.03
ROOF DETAILS	S6.04
STEEL DETAILS	S6.05
LIGHT GAGE DETAILS	S7.01

ID:	REVISION:	DATE:

PHASE:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT	TLC	CSC	07/30/2021
50% CONSTRUCTION DOCUMENTS	TLC	CSC	10/07/2021
100% CONSTRUCTION DOCUMENTS	TLC	CSC	12/09/2021
ADDENDUM 1			
ADDENDUM 2			

TO THE BEST OF MY KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES.

Client:
Leon County R&D Authority
Tallahassee, Florida

Job Title:
North Florida Innovation Labs

Consultant:
BLISS & NYITRAY, INC.
STRUCTURAL ENGINEERS
Certificate of Authorization No. 674
227 N Bronough St., Suite 7300
Tallahassee Florida, 32301
T 850-222-4454 F 850-222-9425
www.bnienginers.com

Project #: 21414 / BNI No. 21T08
Phase: DESIGN DEVELOPMENT

ALW

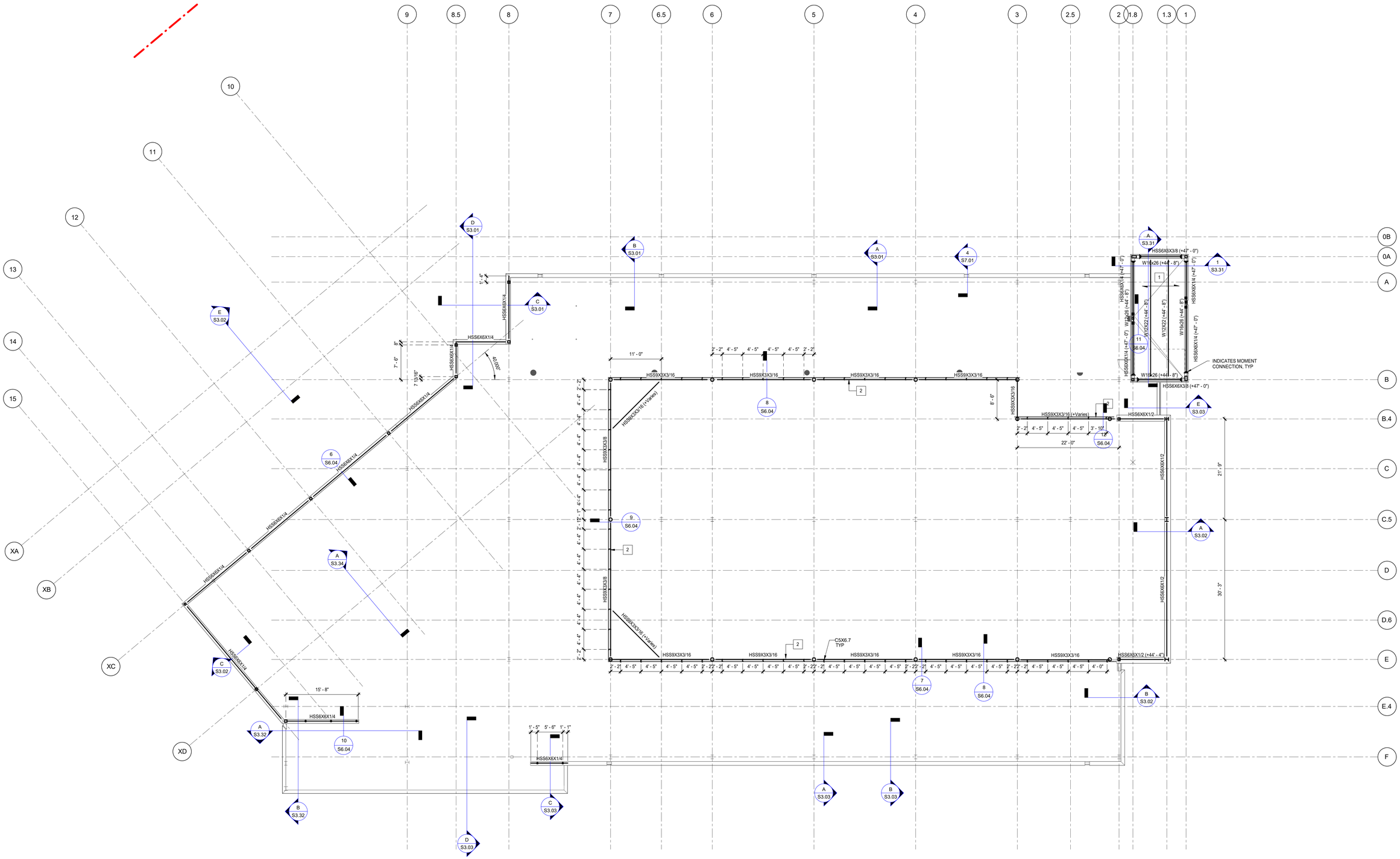
Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850,942.1718
www.think3d.net

NO. 50812

Christopher S. Childers, P.E.
Fla. Reg. No. 50812

Description:
ROOF FRAMING PLAN

Sheet No.:
S2.30



HIGH ROOF FRAMING PLAN

1/8" = 1'-0"

NORTH

PLAN NOTES:

1. 1 1/2" - 20 GAGE GALVANIZED STEEL ROOF DECK
2. SCREEN WALL
3. FUTURE ROOF
4. CONTRACTOR TO COORDINATE C10x15.3 SUPPORT FRAMING WITH EQUIPMENT MFG. C10 TO SUPPORT CURBS FOR UNITS AND OPENINGS THROUGH STEEL DECK.

REFERENCE SHEETS

WALL SECTIONS	S3.01
WALL SECTIONS	S3.02
WALL SECTIONS	S3.03
STAIR SECTIONS	S3.31
STAIR SECTIONS	S3.32
VERTICAL BRACING	S3.33
ELEVATOR SECTION & VERTICAL BRACING	S3.34
STAIR DETAILS	S3.41
VERTICAL BRACING DETAILS	S3.42
VERTICAL BRACING DETAILS	S3.43
COLUMN SCHEDULE	S4.01
TYPICAL SLAB ON GRADE DETAILS	S5.01
TYPICAL FOUNDATION DETAILS AND SCHEDULES	S5.02
FOUNDATION DETAILS	S5.03
MASONRY DETAILS	S5.11
STEEL DETAILS	S6.01
STEEL DETAILS	S6.02
STEEL DETAILS	S6.03
ROOF DETAILS	S6.04
STEEL DETAILS	S6.05
LIGHT GAGE DETAILS	S7.01

ID:	REVISION:	DATE:

PHASE:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT	TLC	CSC	07/30/2021
50% CONSTRUCTION DOCUMENTS	TLC	CSC	10/07/2021
100% CONSTRUCTION DOCUMENTS	TLC	CSC	12/09/2021
ADDENDUM 1			
ADDENDUM 2			

TO THE BEST OF MY KNOWLEDGE, THESE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES.

Client: Leon County R&D Authority
Tallahassee, Florida

Job Title: North Florida Innovation Labs

Consultant:
BLISS & NYITRAY, INC.
STRUCTURAL ENGINEERS
Certificate of Authorization #3764
227 N Bronough St., Suite 7300
Tallahassee Florida, 32301
T 850-222-4454 F 850-222-9425
www.blissnyitray.com

Project #: 21414 / ENI No. 21T08

Phase: DESIGN DEVELOPMENT

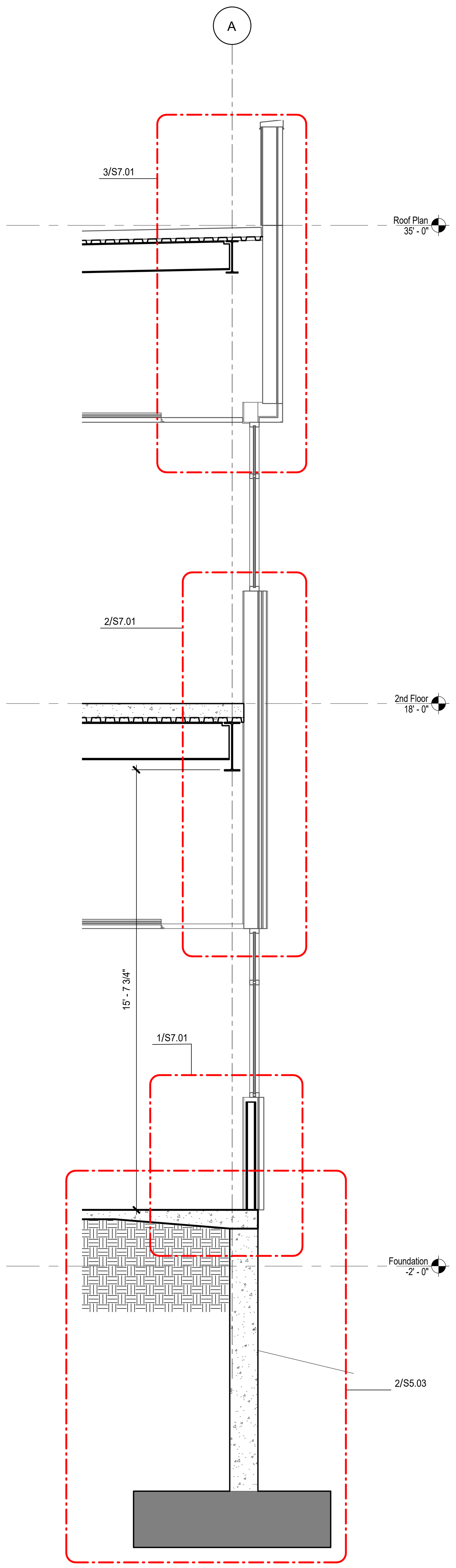
ALW
Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net

CHRISTOPHER S. CHILDERS
LICENSED
NO. 50812
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Christopher S. Childers, P.E.
Fla. Reg. No. 50812

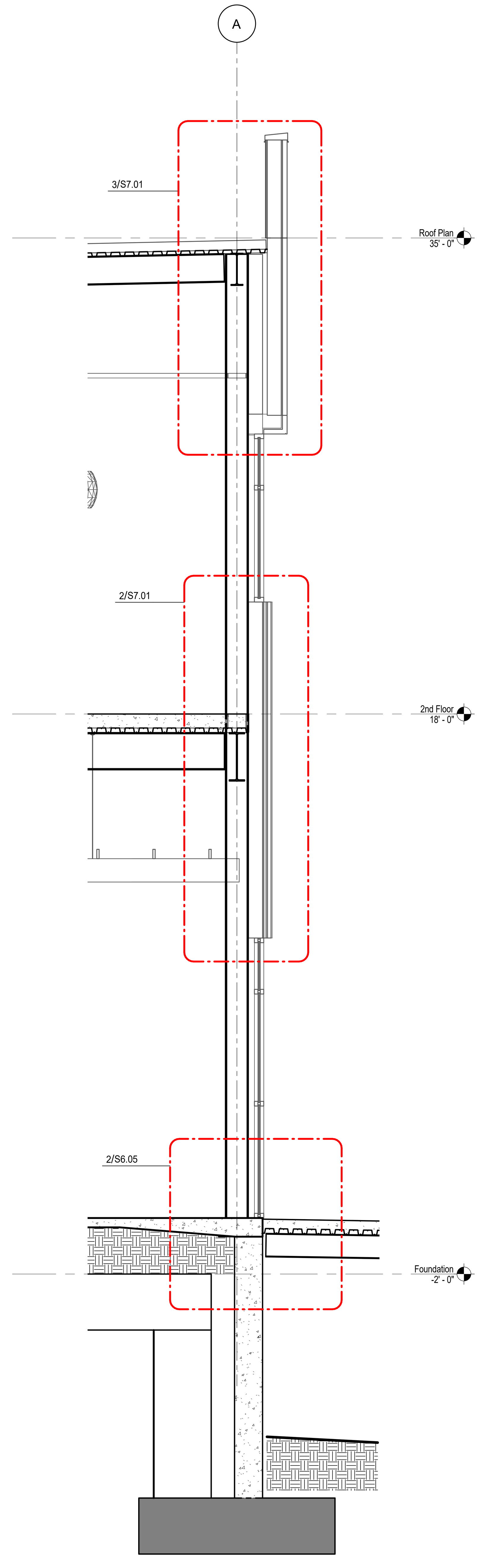
Description: HIGH ROOF FRAMING PLAN

Sheet No.: S2.40



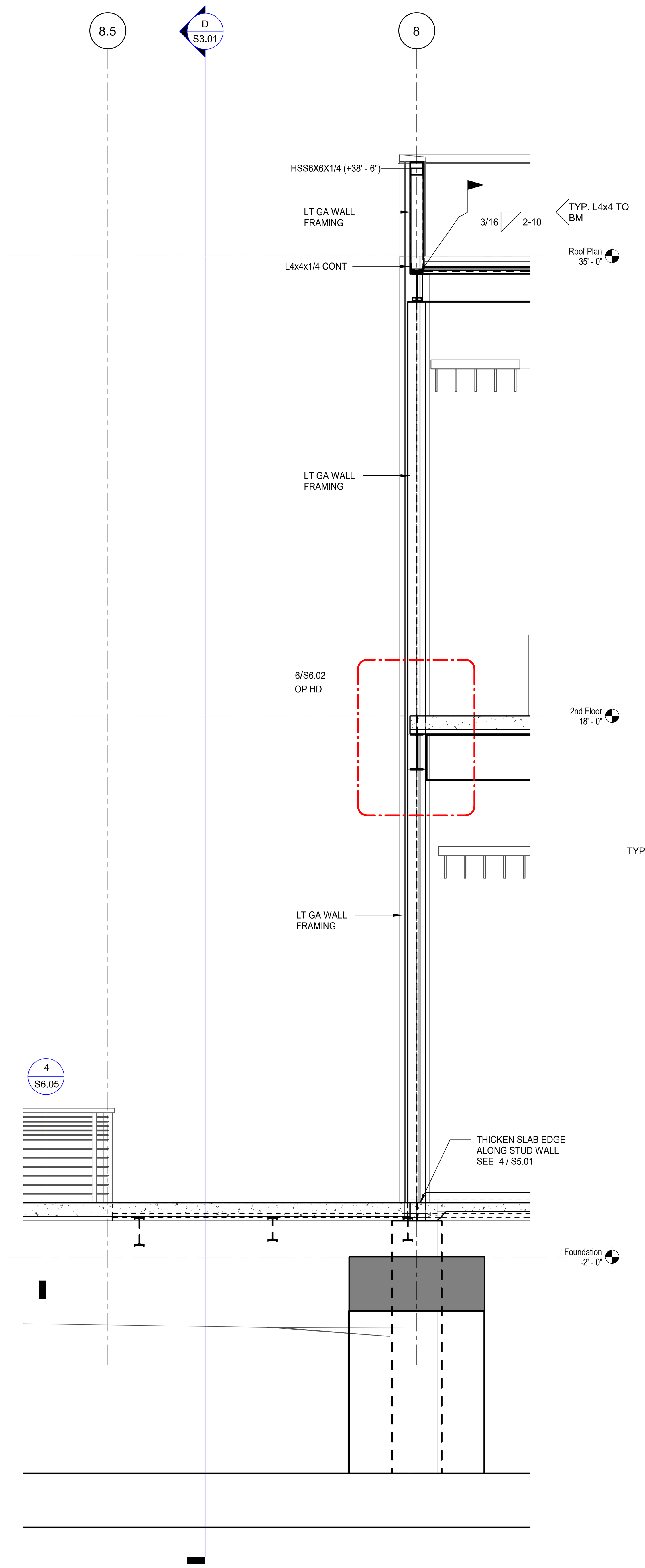
A SECTION - NORTH WALL

3/8" = 1'-0"



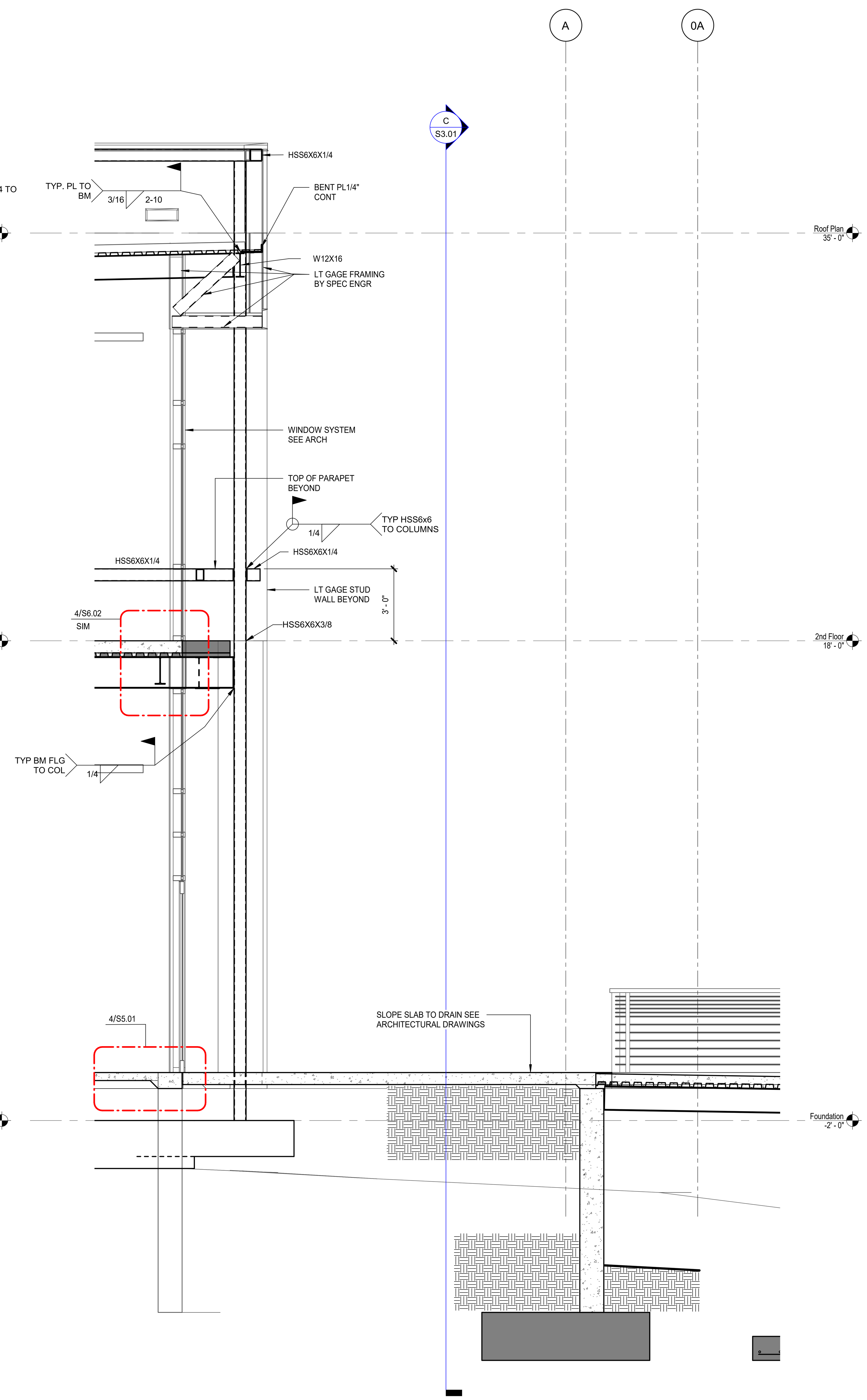
B SECTION - NORTH WALL

3/8" = 1'-0"



C SECTION - NORTH WALL

3/8" = 1'-0"



D SECTION - NORTH WALL

3/8" = 1'-0"

ID:	REVISION:	DATE:

PHASE:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT	TLC	CSC	07/30/2021
50% CONSTRUCTION DOCUMENTS	TLC	CSC	10/07/2021
100% CONSTRUCTION DOCUMENTS	TLC	CSC	12/09/2021
ADDENDUM 1			
ADDENDUM 2			

TO THE BEST OF MY KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES.

Client: Leon County R&D Authority
Tallahassee, Florida

Job Title: North Florida Innovation Labs

Consultant: BLISS & NYITRAY, INC.
STRUCTURAL ENGINEERS
Certificate of Authorization No. 674
227 N Bronough St., Suite 7300
Tallahassee, Florida 32301
T 850-222-4454 F 850-222-9425
www.bniengineers.com

Project #: 21414 / BNI No. 21T08

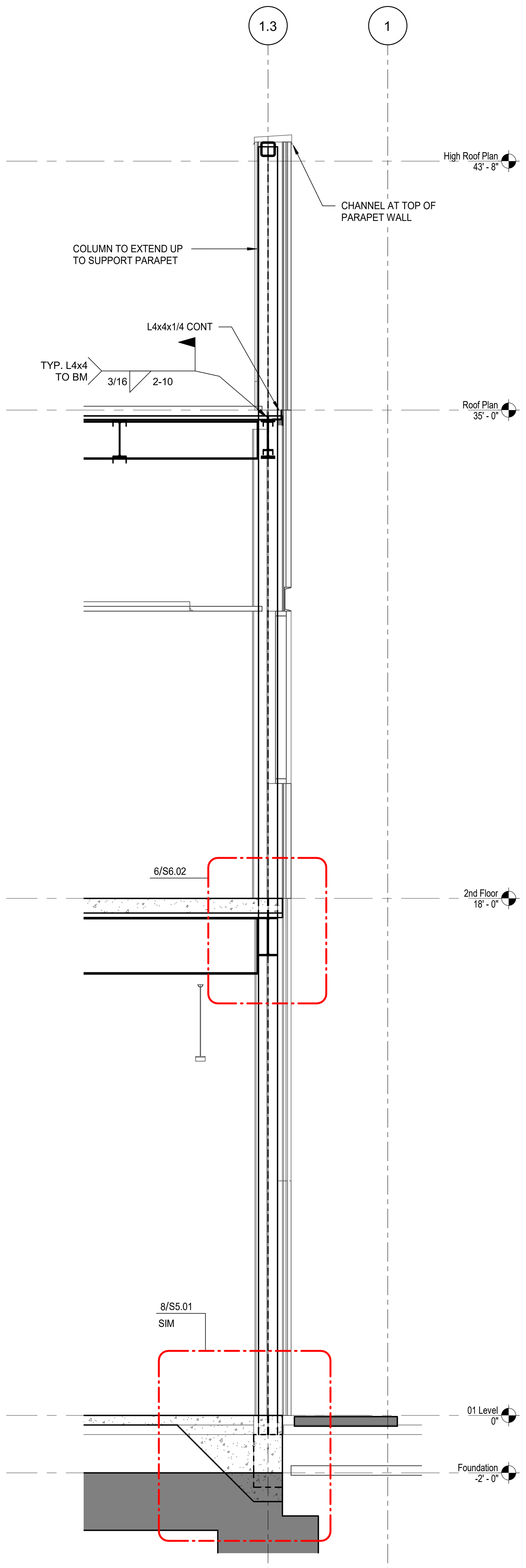
Phase: DESIGN DEVELOPMENT

ALW
Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net

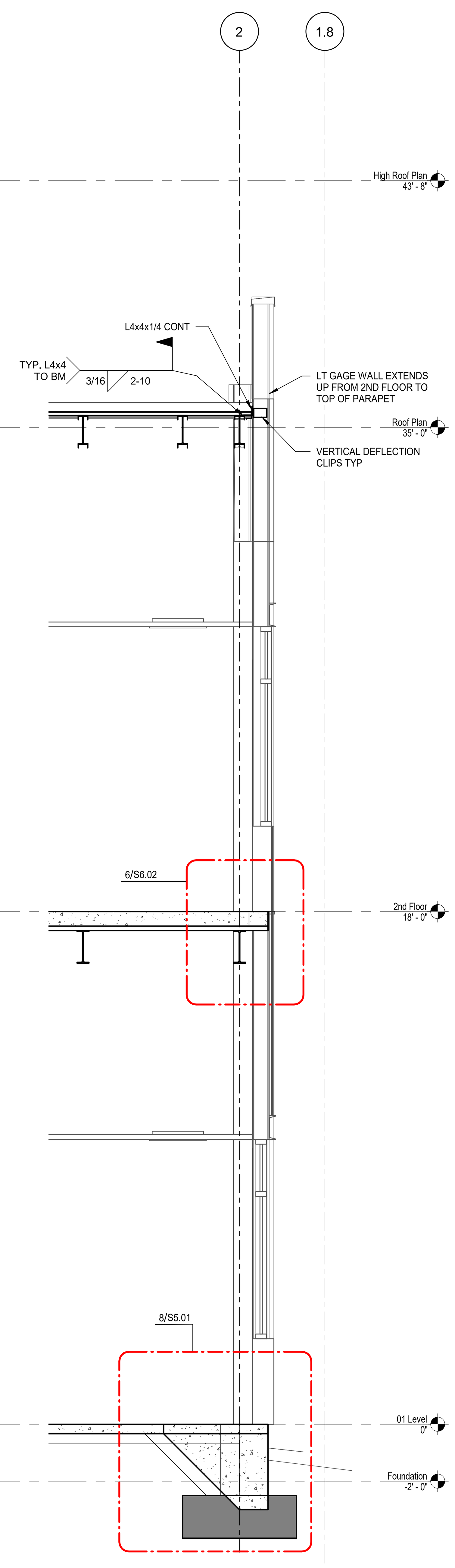
CHRISTOPHER S. CHILDERS
LICENSE
NO. 50812
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Christopher S. Childers, P.E.
Fla. Reg. No. 50812

Description: WALL SECTIONS

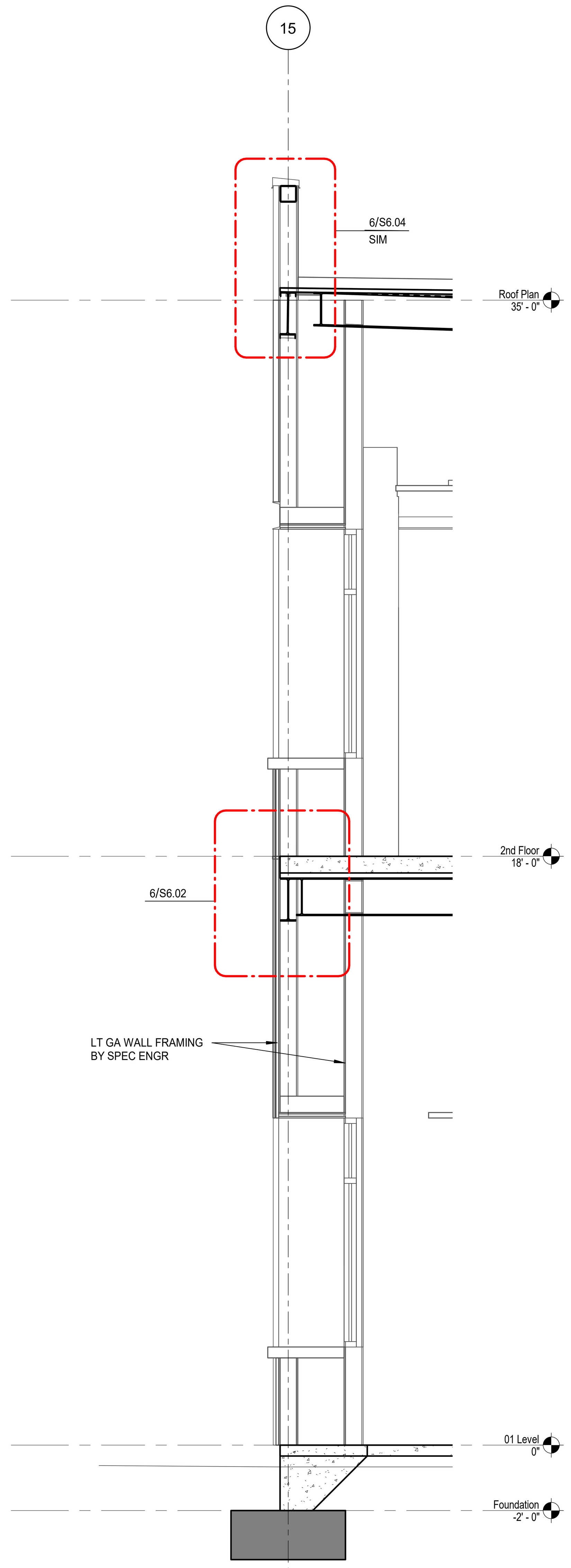
Sheet No.: S3.01



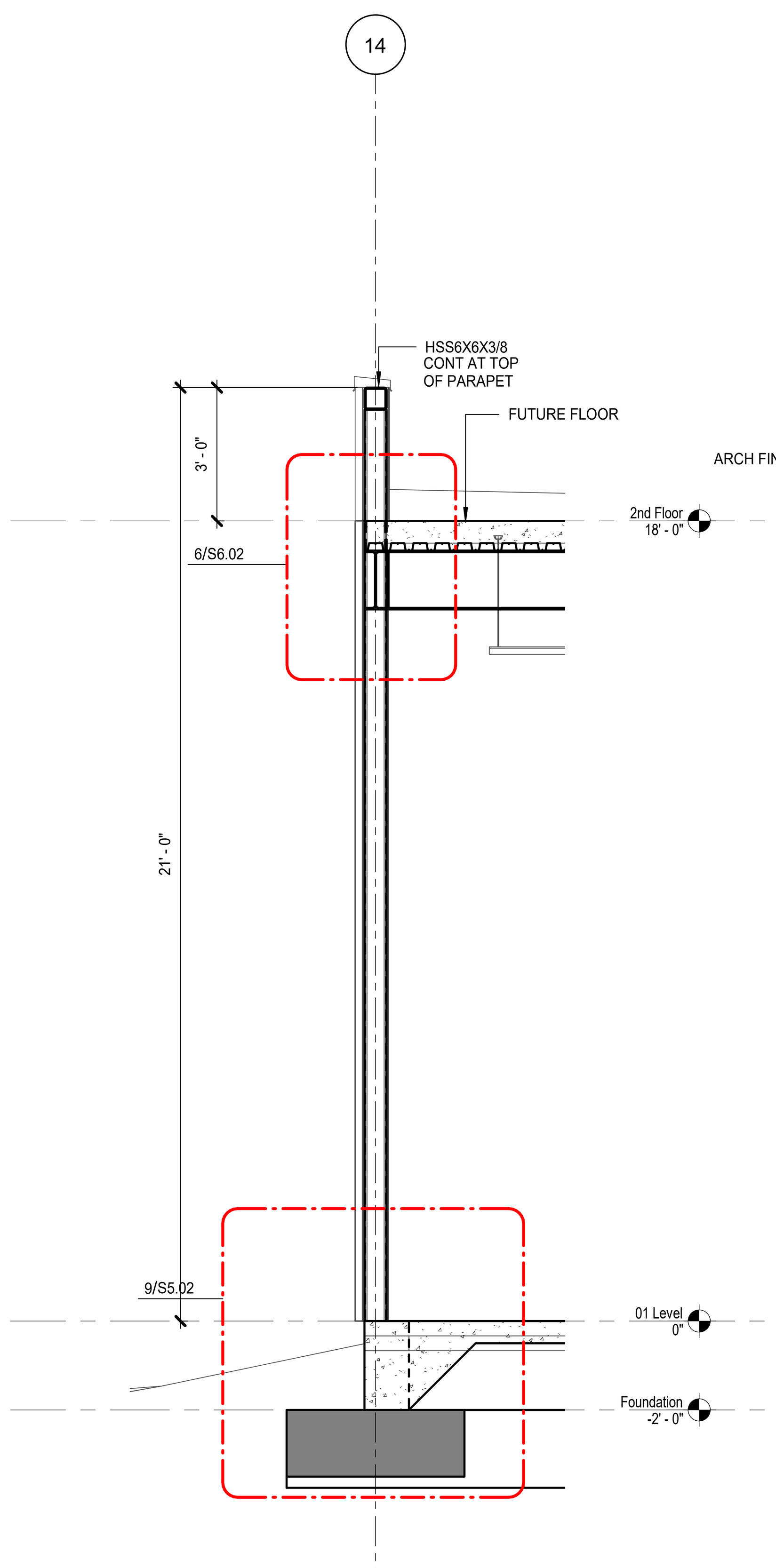
A SECTION - EAST WALL
3/8" = 1'-0"



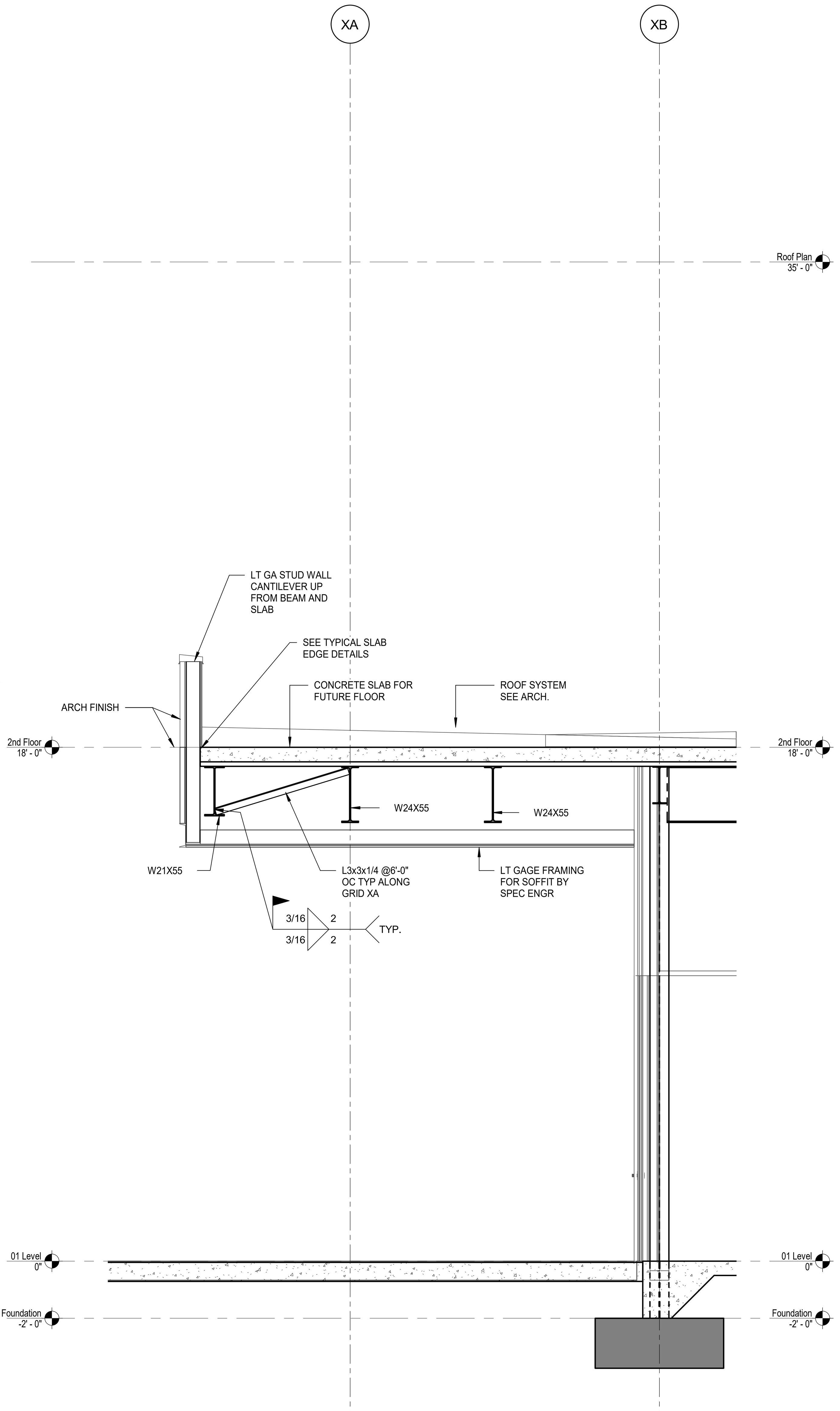
B SECTION EAST WALL
3/8" = 1'-0"



C SECTION SOUTH WEST WALL
3/8" = 1'-0"



D SECTION SOUTH WEST WALL
3/8" = 1'-0"



E SECTION - LOADING DOCK
3/8" = 1'-0"

PHASE:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT	TLC	CSC	07/30/2021
50% CONSTRUCTION DOCUMENTS	TLC	CSC	10/07/2021
100% CONSTRUCTION DOCUMENTS	TLC	CSC	12/09/2021
ADDENDUM 1			
ADDENDUM 2			

ID:	REVISION:	DATE:

TO THE BEST OF MY KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES.

Client:
Leon County R&D Authority
Tallahassee, Florida

Job Title:
North Florida Innovation Labs

Consultant:
BLISS & NYITRAY, INC.
STRUCTURAL ENGINEERS
Certificate of Authorization No. 674
227 N Bronough St., Suite 7300
Tallahassee Florida, 32301
T 850-222-4454 F 850-222-9425
www.bnienginеers.com

Project #: 21414 / BNI No. 21T08
Phase: DESIGN DEVELOPMENT

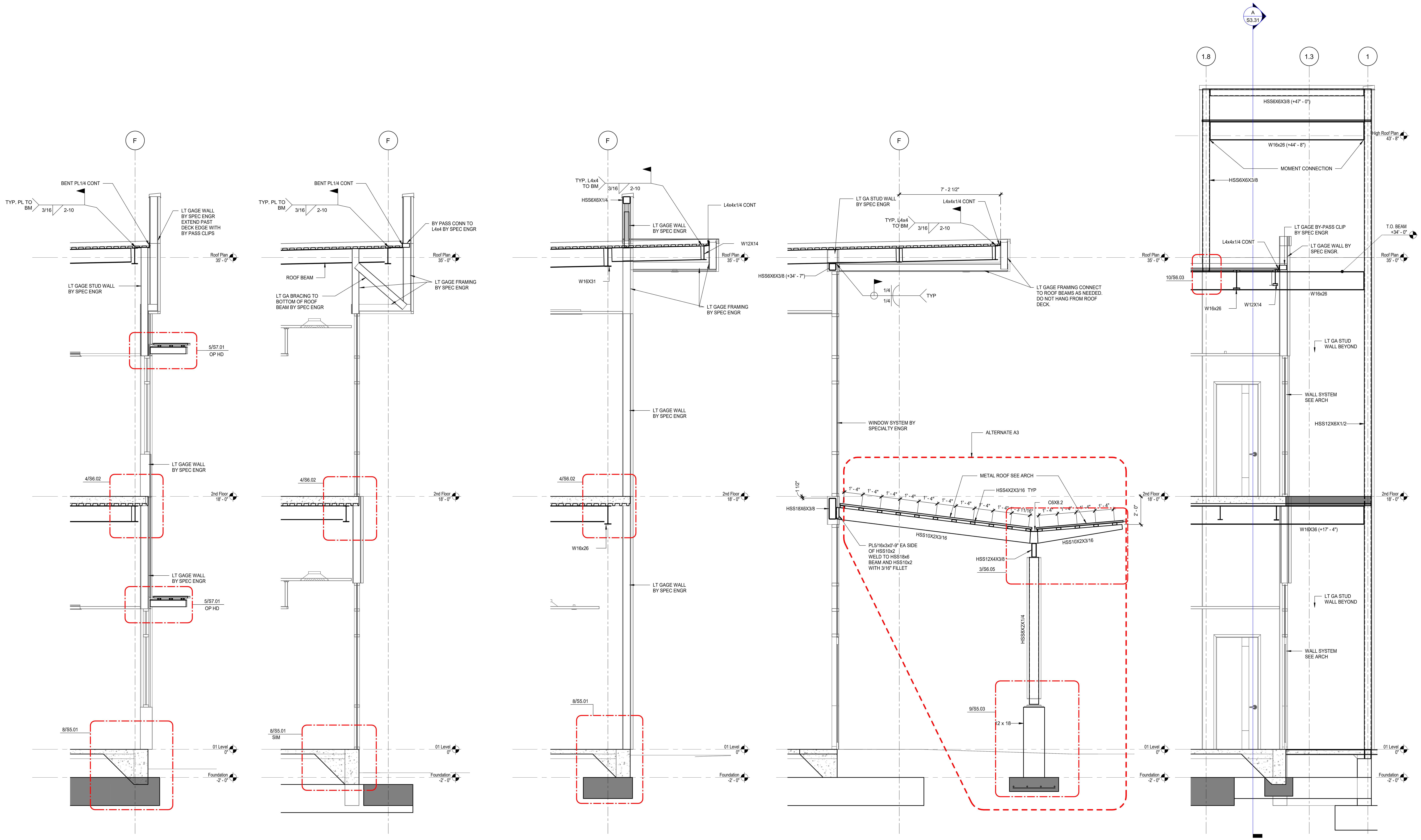
ALW
Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net

CHRISTOPHER S. CHILDERS
LICENSE
NO. 50812
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Christopher S. Childers, P.E.
Fla. Reg. No. 50812

Description:
WALL SECTIONS

Sheet No.:
S3.02



A SECTION - SOUTH WALL 3/8" = 1'-0"

B SECTION - SOUTH WALL 3/8" = 1'-0"

C SECTION - SOUTH WALL 3/8" = 1'-0"

D WALL SECTION 3/8" = 1'-0"

E WALL SECTION GRID 1.3 3/8" = 1'-0"

ID:	REVISION:	DATE:

PHASE:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT	TLC	CSC	07/30/2021
50% CONSTRUCTION DOCUMENTS	TLC	CSC	10/07/2021
100% CONSTRUCTION DOCUMENTS	TLC	CSC	12/08/2021
ADDENDUM 1			
ADDENDUM 2			

TO THE BEST OF MY KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES.

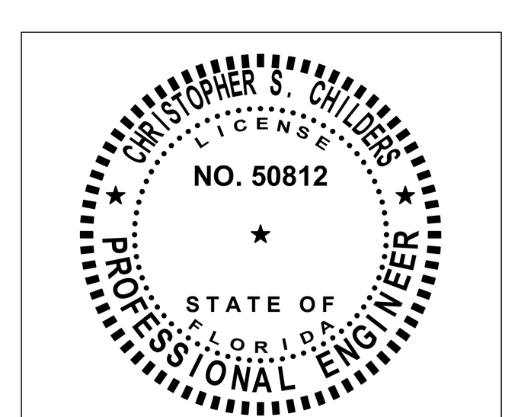
Client: Leon County R&D Authority
Tallahassee, Florida

Job Title: North Florida Innovation Labs

Consultant: BLISS & NYITRAY, INC.
STRUCTURAL ENGINEERS
Certificate of Authorization No. 674
227 N Bronough St., Suite 7300
Tallahassee, Florida 32301
T 850-222-4454 F 850-222-9425
www.bnengineers.com

Project #: 21414 / BNI No. 21T08
Phase: DESIGN DEVELOPMENT

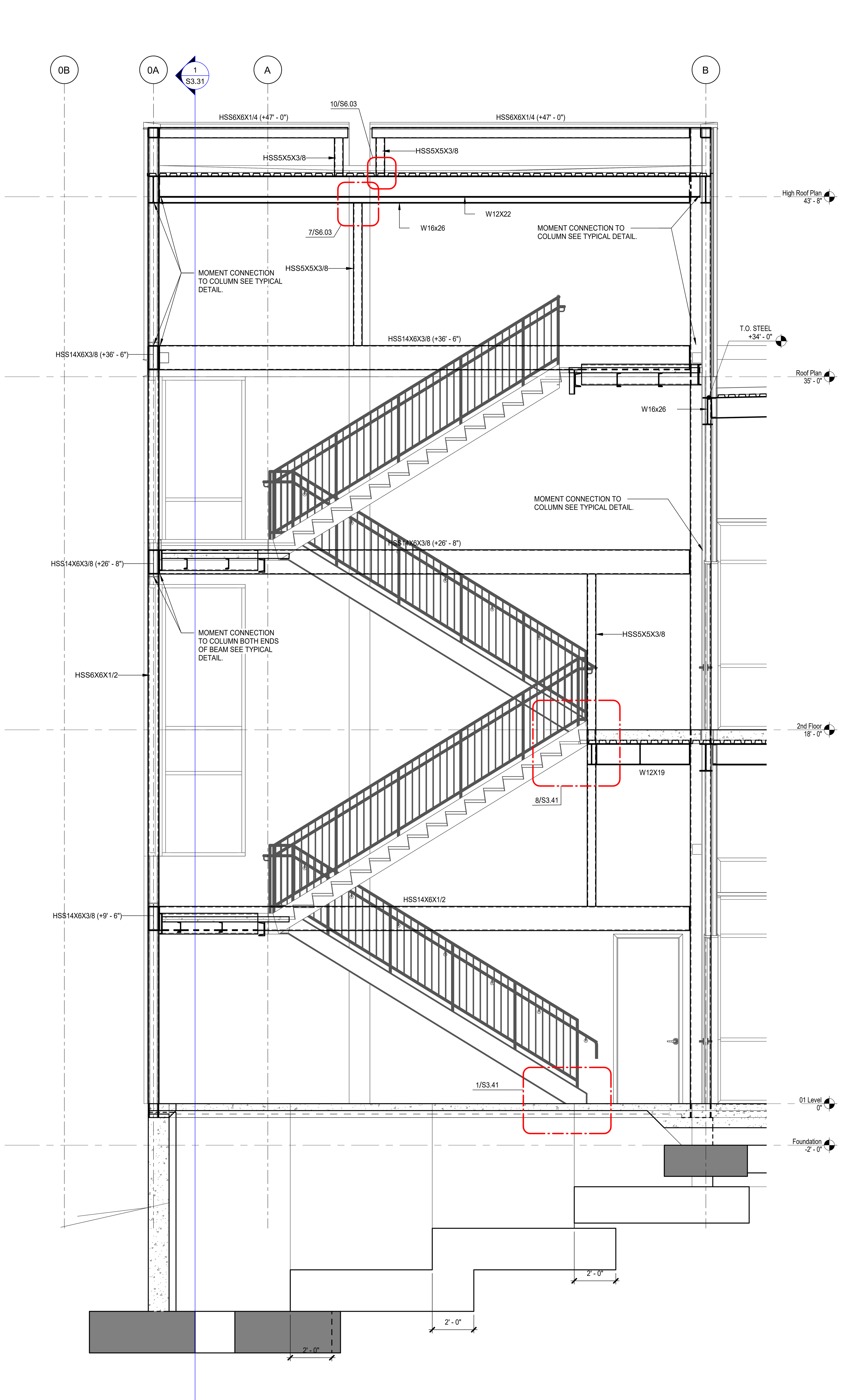
ALW
Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net



Christopher S. Childers, P.E.
Fla. Reg. No. 50812

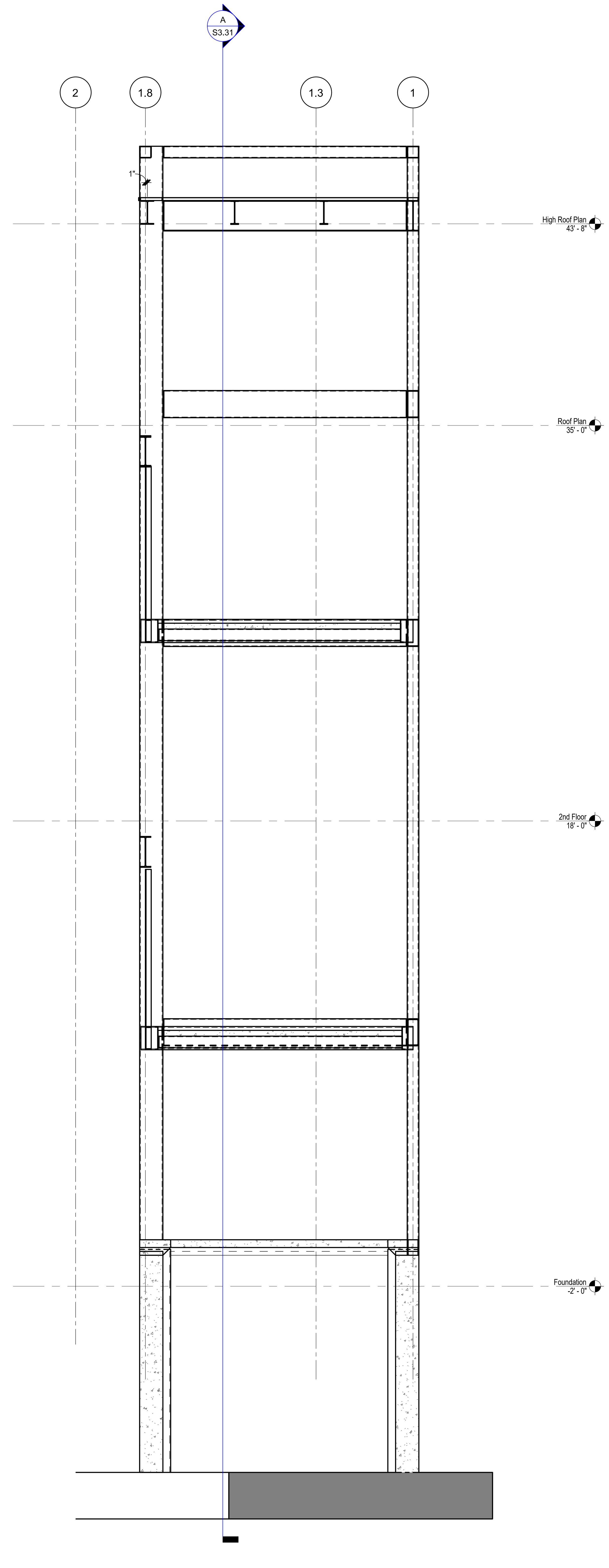
Description: WALL SECTIONS

Sheet No.: S3.03



A NORTH EAST STAIR

3/8" = 1'-0"



1 Section 27

3/8" = 1'-0"

ID:	REVISION:	DATE:

PHASE:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT	TLC	CSC	07/30/2021
50% CONSTRUCTION DOCUMENTS	TLC	CSC	10/07/2021
100% CONSTRUCTION DOCUMENTS	TLC	CSC	12/09/2021
ADDENDUM 1			
ADDENDUM 2			

TO THE BEST OF MY KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES.

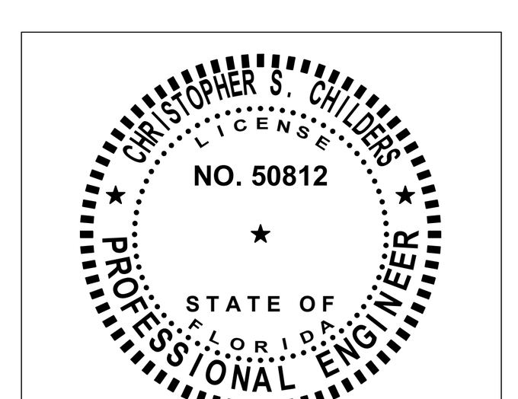
Client:
Leon County R&D Authority
Tallahassee, Florida

Job Title:
North Florida Innovation Labs

Consultant:
BLISS & NYITRAY, INC.
STRUCTURAL ENGINEERS
Certificate of Authorization No. 674
227 N Bronough St., Suite 7300
Tallahassee Florida, 32301
T 850-222-4454 F 850-222-9425
www.bniengineers.com

Project #: 21414 / BNI No. 21T08
Phase: DESIGN DEVELOPMENT

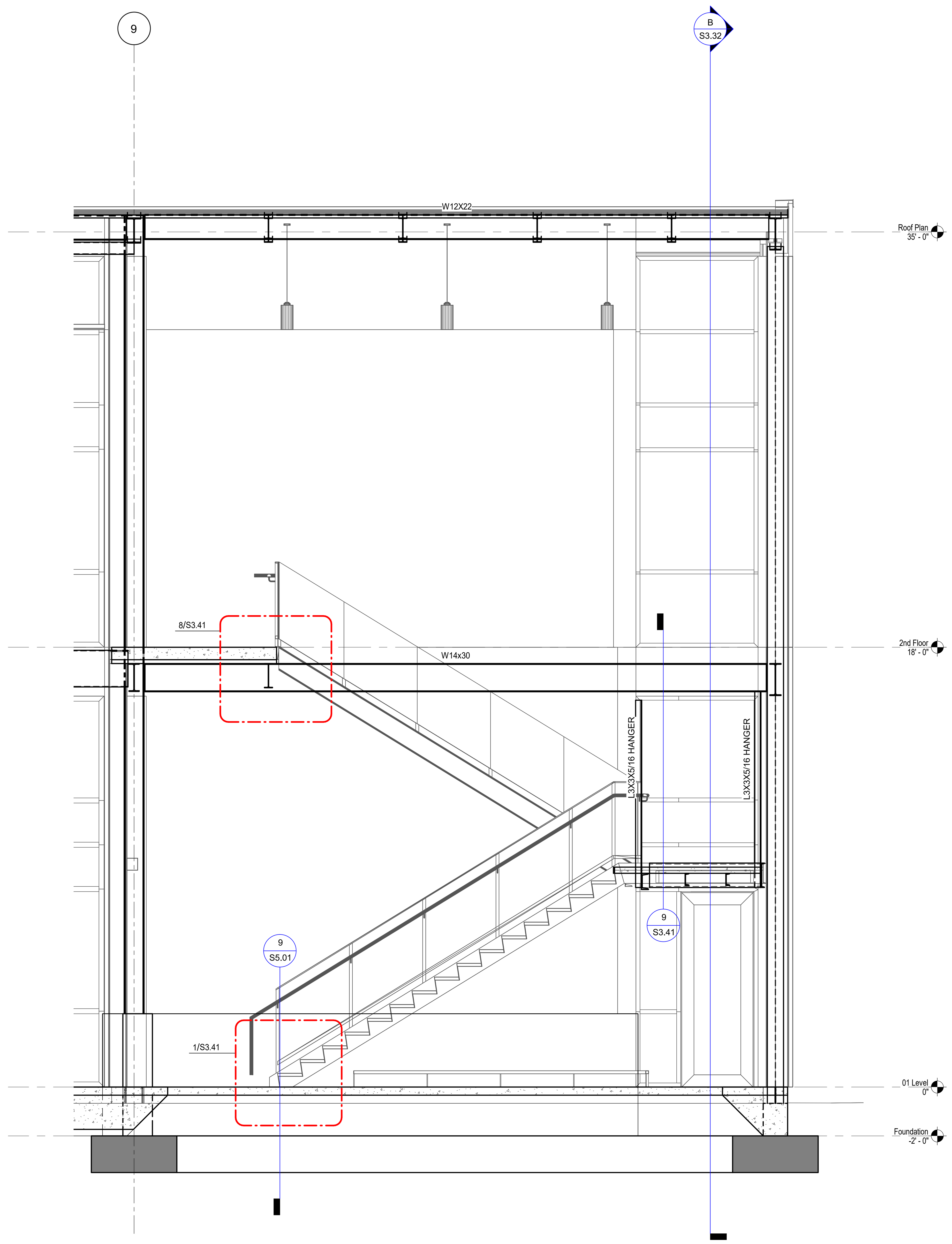
Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net



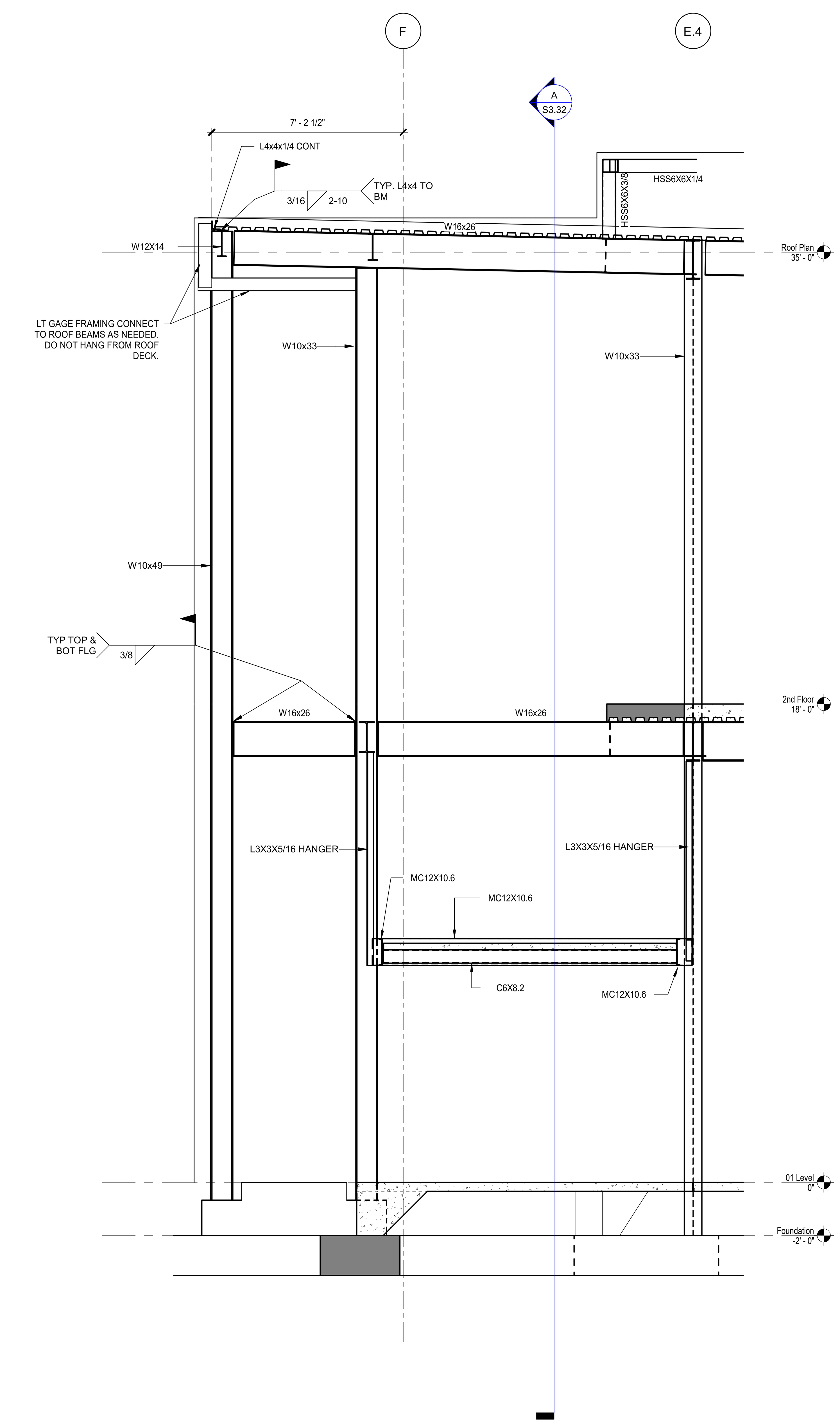
Christopher S. Childers, P.E.
Fla. Reg. No. 50812

Description:
STAIR SECTIONS

Sheet No.:
S3.31



A SOUTH WWEST STAIR
3/8" = 1'-0"



B SECTION THOUGH STAIR
3/8" = 1'-0"

ID:	REVISION:	DATE:

PHASE:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT	TLC	CSC	07/30/2021
50% CONSTRUCTION DOCUMENTS	TLC	CSC	10/07/2021
100% CONSTRUCTION DOCUMENTS	TLC	CSC	12/09/2021
ADDENDUM 1			
ADDENDUM 2			

TO THE BEST OF MY KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES.

Client:
Leon County R&D Authority
Tallahassee, Florida

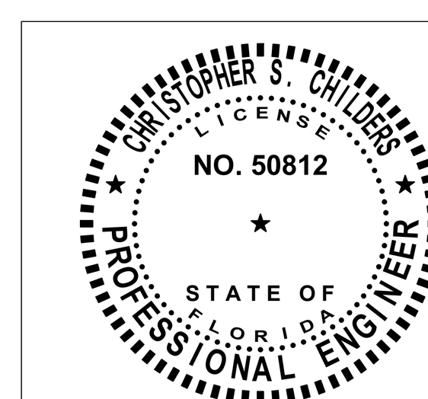
Job Title:
North Florida Innovation Labs

Consultant:

BLISS & NYITRAY, INC.
STRUCTURAL ENGINEERS
Certificate of Authorization No. 674
227 N Bronough St., Suite 7300
Tallahassee Florida, 32301
T 850-222-4454 F 850-222-9425
www.bnengineers.com

Project #: 21414 / BNI No. 21T08
Phase: DESIGN DEVELOPMENT

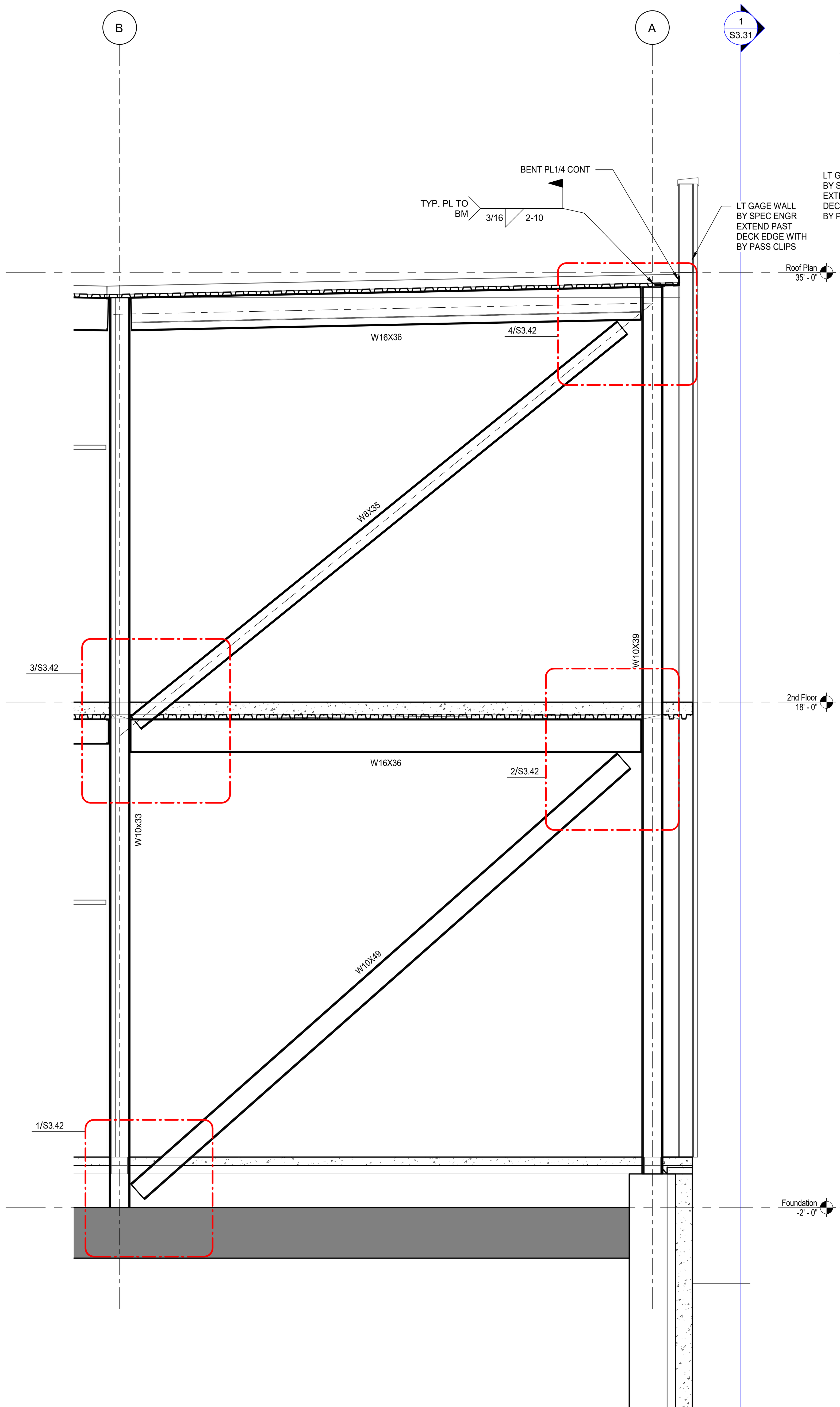
ALW
Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net



Christopher S. Childers, P.E.
Fla. Reg. No. 50812

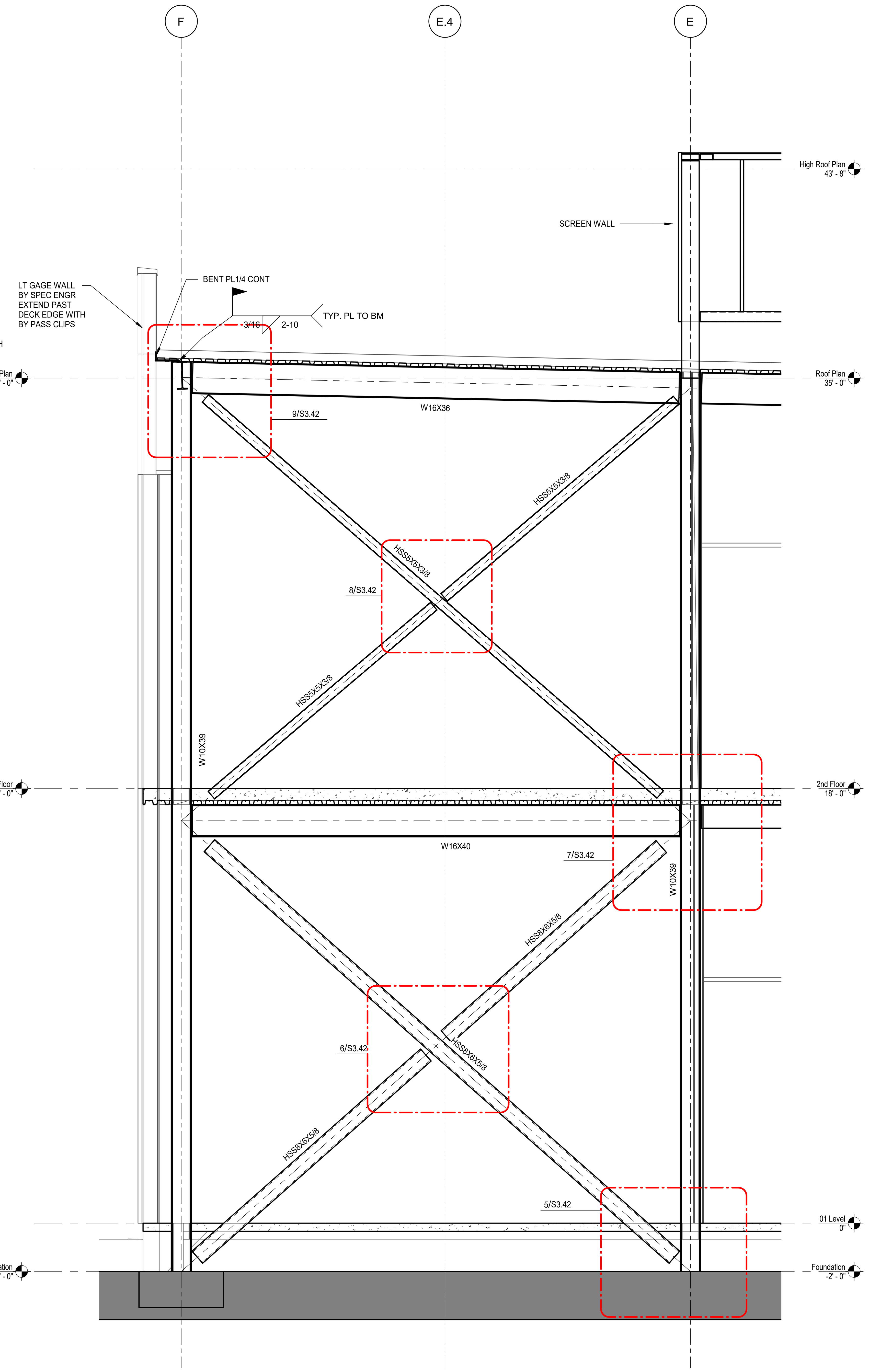
Description:
STAIR SECTIONS

Sheet No.:
S3.32



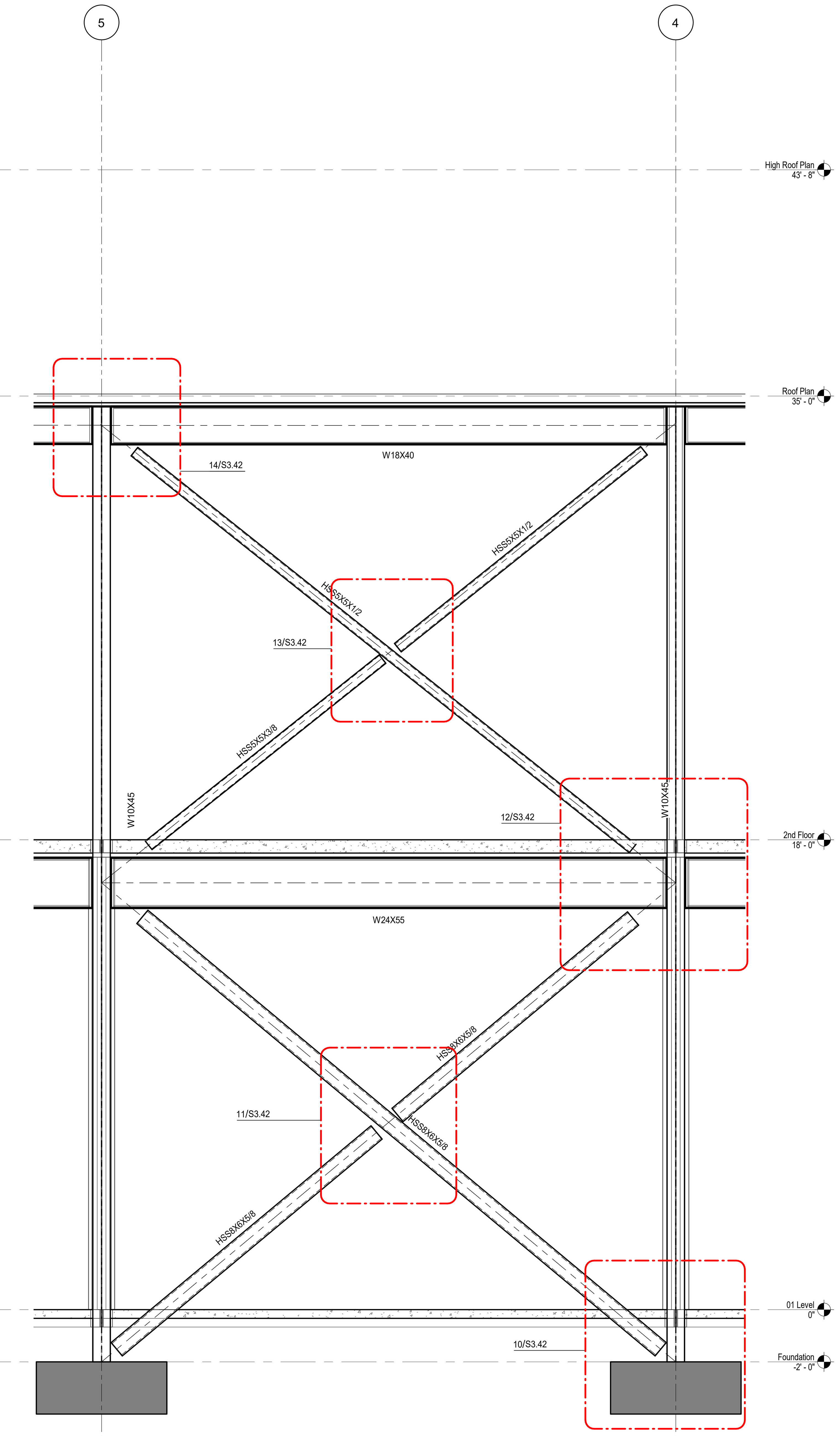
1 VERTICAL BRACING GRID 2

3/8" = 1'-0"



2 VERTICAL BRACING GRID 7

3/8" = 1'-0"



3 VERTICAL BRACING GRID C.5

3/8" = 1'-0"

ID:	REVISION:	DATE:

PHASE:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT	TLC	CSC	07/30/2021
50% CONSTRUCTION DOCUMENTS	TLC	CSC	10/07/2021
100% CONSTRUCTION DOCUMENTS	TLC	CSC	12/09/2021
ADDENDUM 1			
ADDENDUM 2			

TO THE BEST OF MY KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES.

Client:

Leon County R&D Authority

Tallahassee, Florida

Job Title:

North Florida Innovation Labs

Consultant:

BLISS & NYITRAY, INC.
STRUCTURAL ENGINEERS
Certificate of Authorization No. 674
227 N Bronough St., Suite 7300
Tallahassee Florida, 32301
T 850-222-4454 F 850-222-9425
www.bniengineers.com

Project #: 21414 / BNI No. 21T08

Phase: DESIGN DEVELOPMENT

ALW

Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net

CHRISTOPHER S. CHILDERS
LICENSE
NO. 50812
STATE OF FLORIDA
PROFESSIONAL ENGINEER

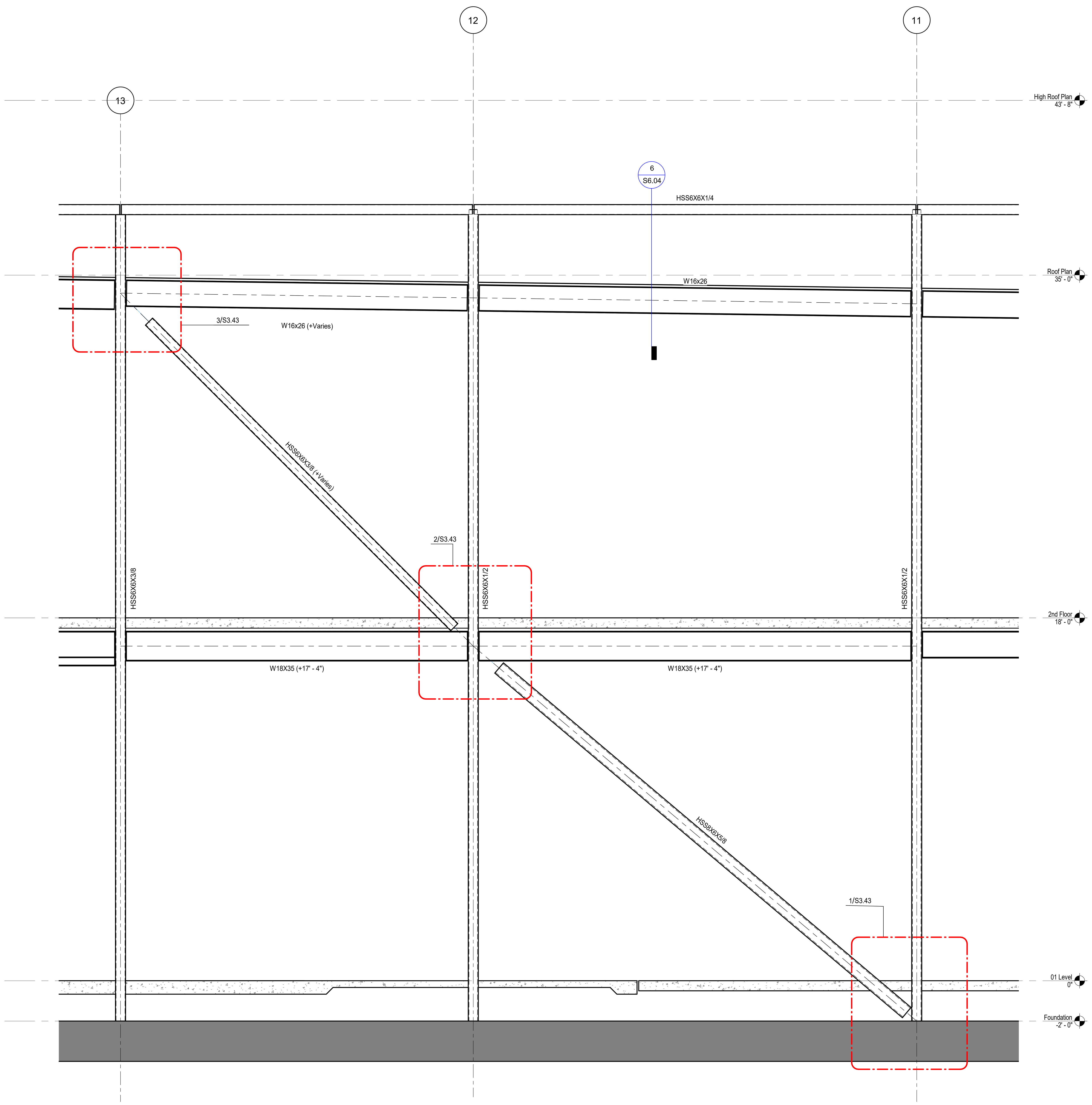
Christopher S. Childers, P.E.
Fla. Reg. No. 50812

Description:

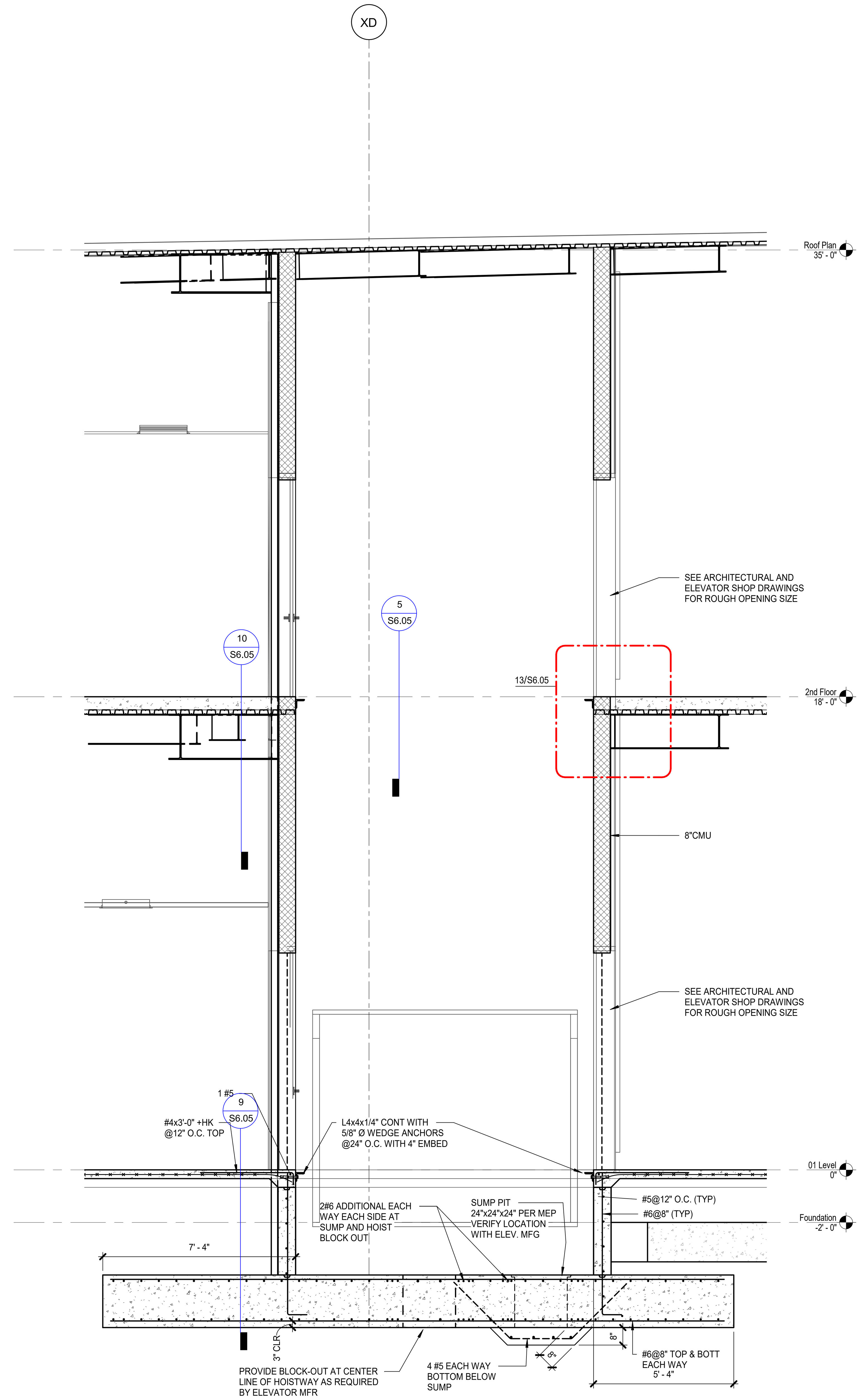
VERTICAL BRACING

Sheet No.:

S3.33



1 VERTICAL BRACING GRID XC
3/8" = 1'-0"



A ELEVATOR SECTION
3/8" = 1'-0"

ID:	REVISION:	DATE:

PHASE:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT	TLC	CSC	07/30/2021
50% CONSTRUCTION DOCUMENTS	TLC	CSC	10/07/2021
100% CONSTRUCTION DOCUMENTS	TLC	CSC	12/09/2021
ADDENDUM 1			
ADDENDUM 2			

TO THE BEST OF MY KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES.

Client:
Leon County R&D Authority
Tallahassee, Florida

Job Title:
North Florida Innovation Labs

Consultant:
BLISS & NYITRAY, INC.
STRUCTURAL ENGINEERS
Certificate of Authorization No. 674
227 N Bronough St., Suite 7300
Tallahassee Florida, 32301
T 850-222-4454 F 850-222-9425
www.bniengineers.com

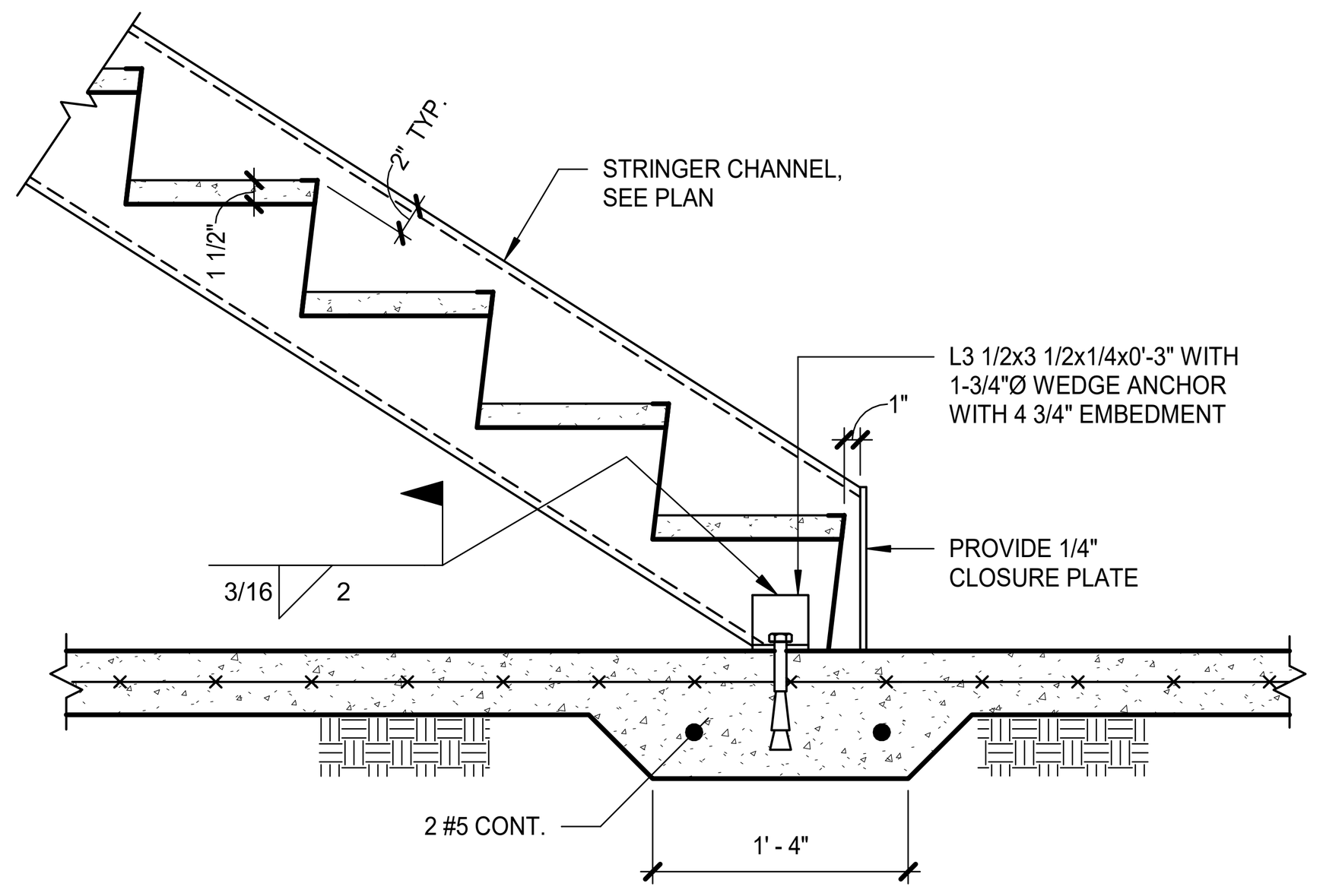
Project #: 21414 / BNI No. 21T08
Phase: DESIGN DEVELOPMENT

ALW
Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net

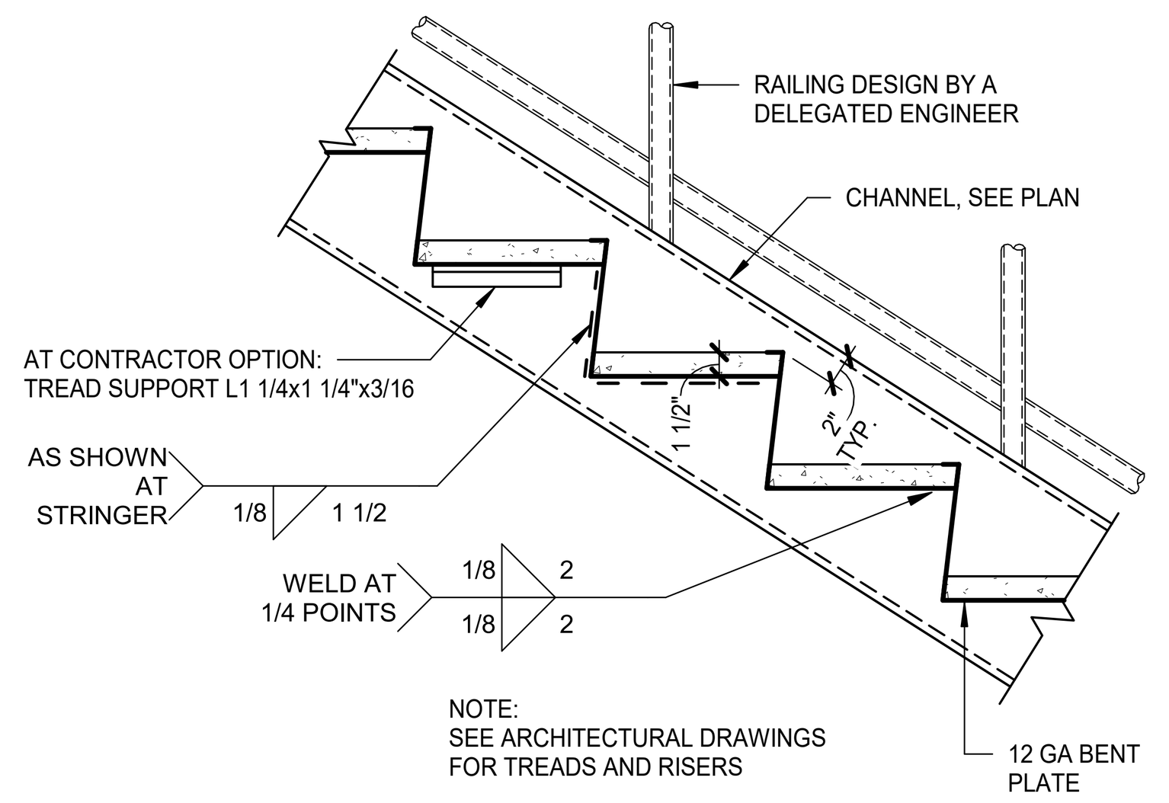
CHRISTOPHER S. CHILDERS LICENSE NO. 50812 STATE OF FLORIDA PROFESSIONAL ENGINEER
Christopher S. Childers, P.E.
Fla. Reg. No. 50812

Description:
ELEVATOR SECTION & VERTICAL BRACING

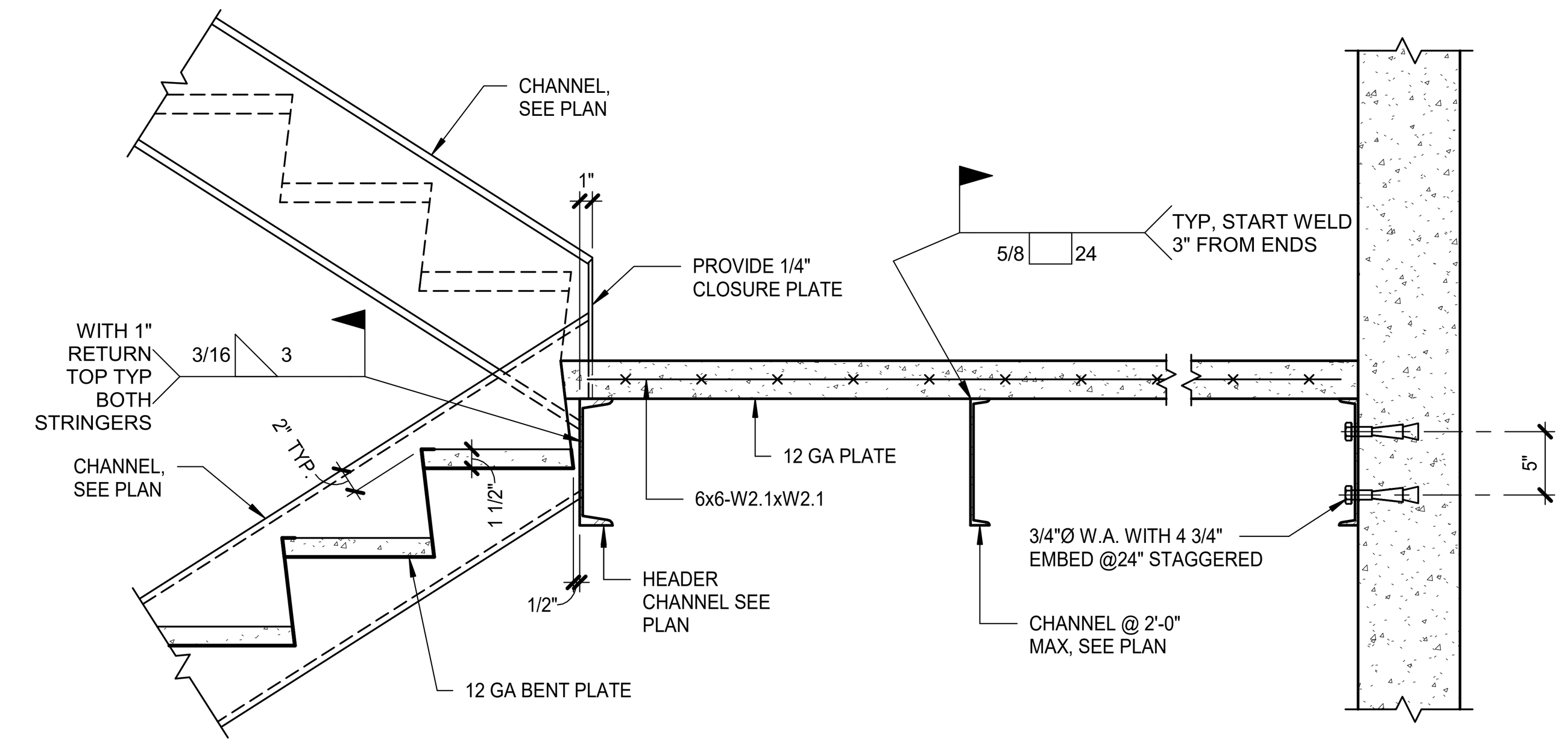
Sheet No.:
S3.34



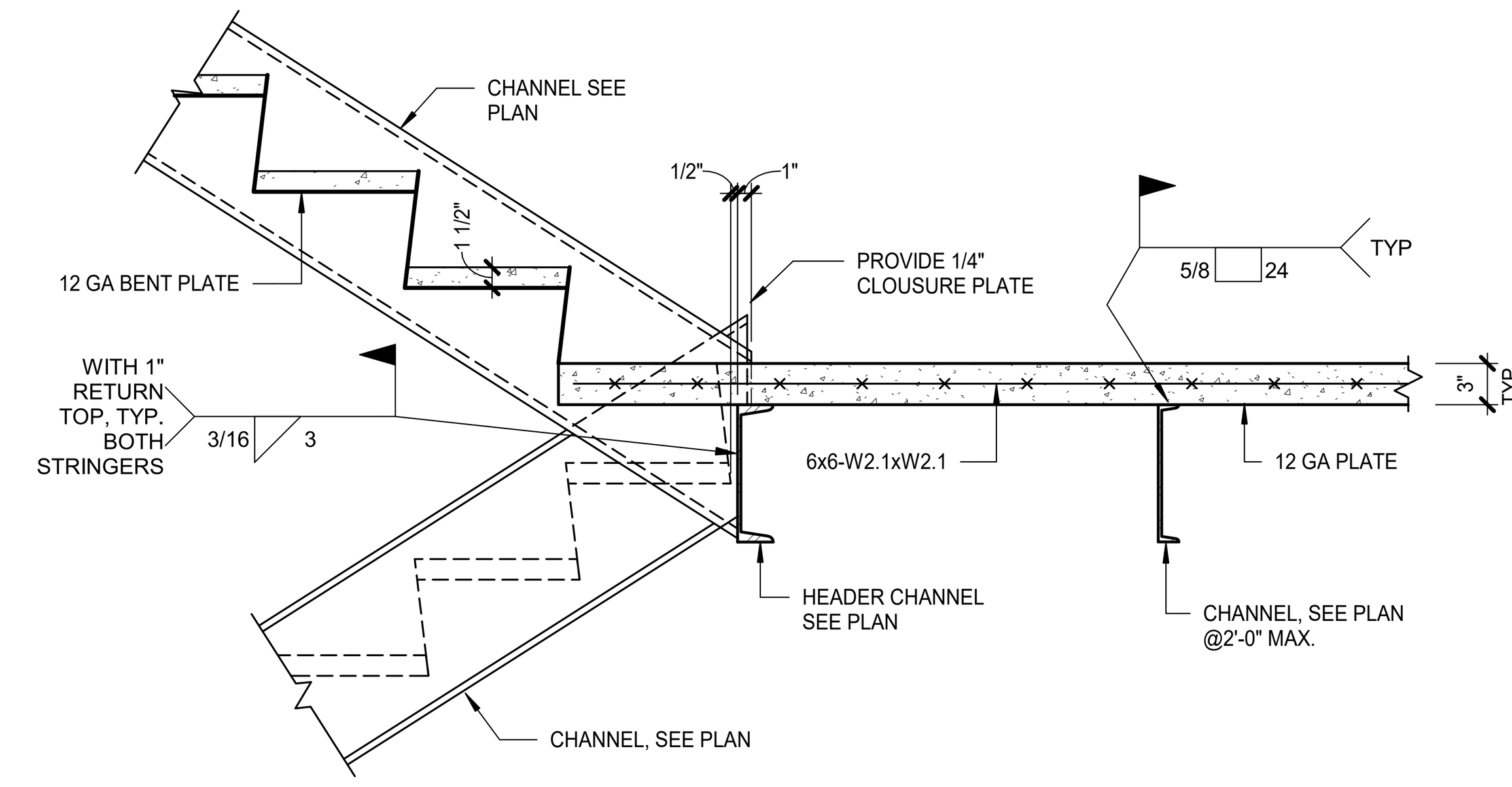
1 STRINGER DETAIL AT BASE
1" = 1'-0"



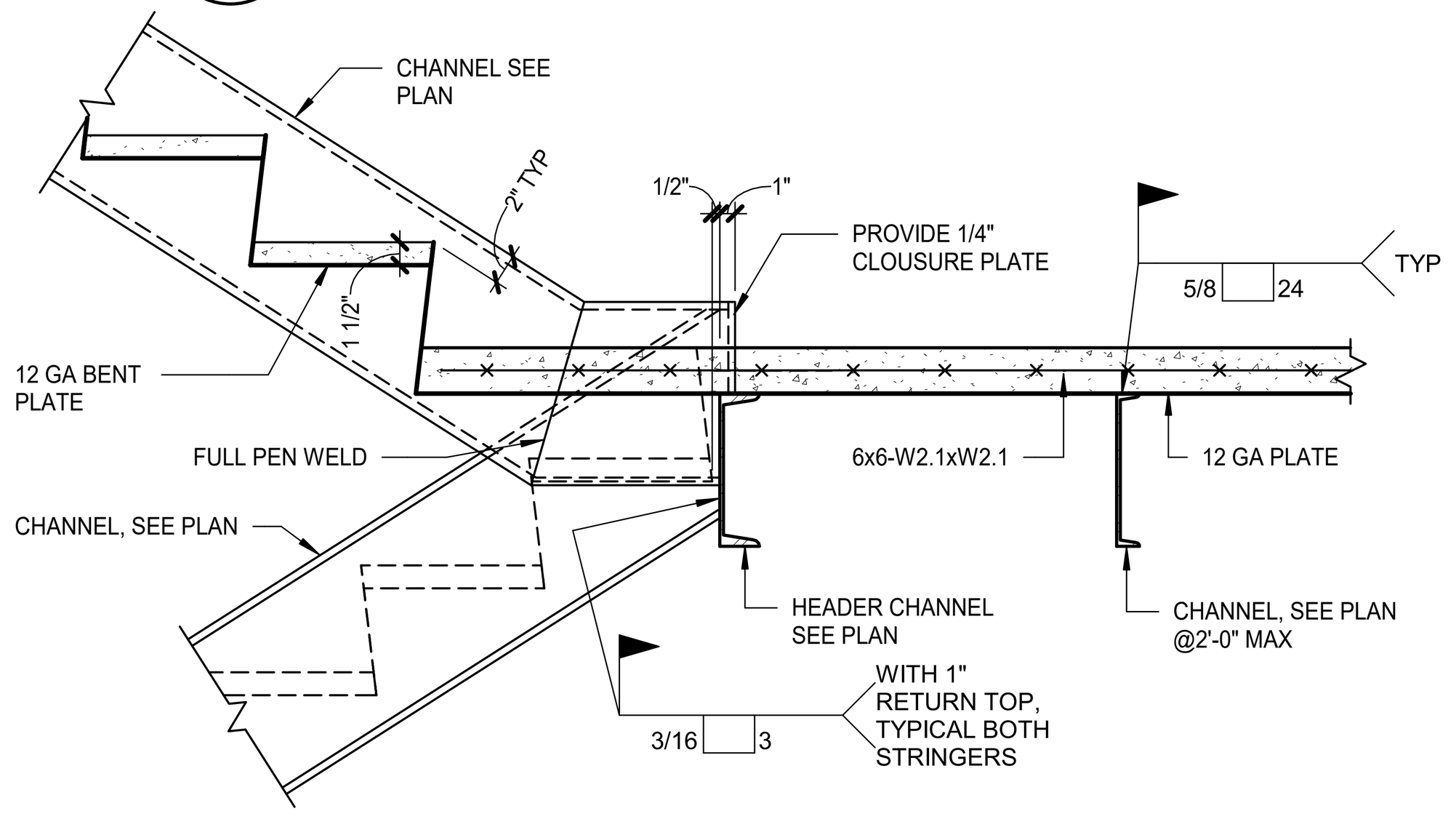
2 TYPICAL STRINGER DETAIL
1" = 1'-0"



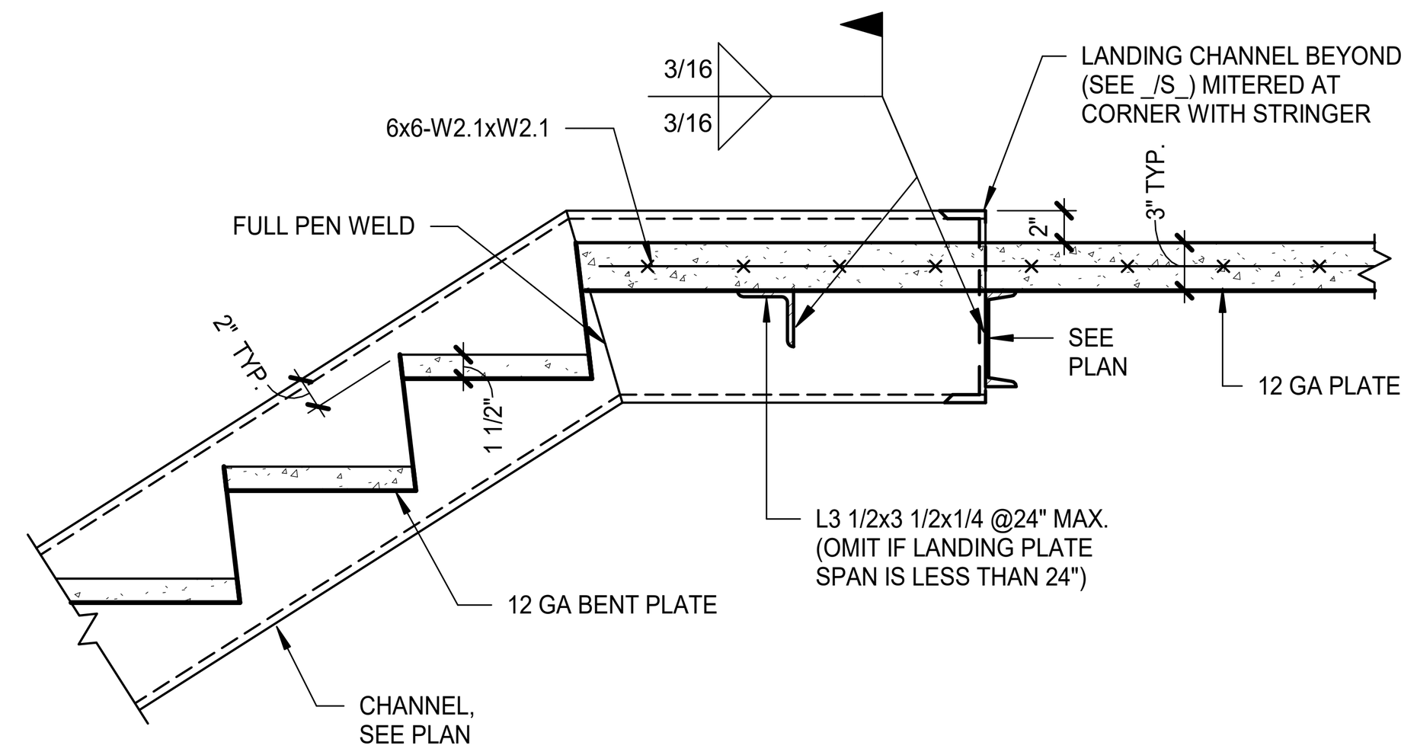
3 TYPICAL STAIR AT LANDING
1" = 1'-0"



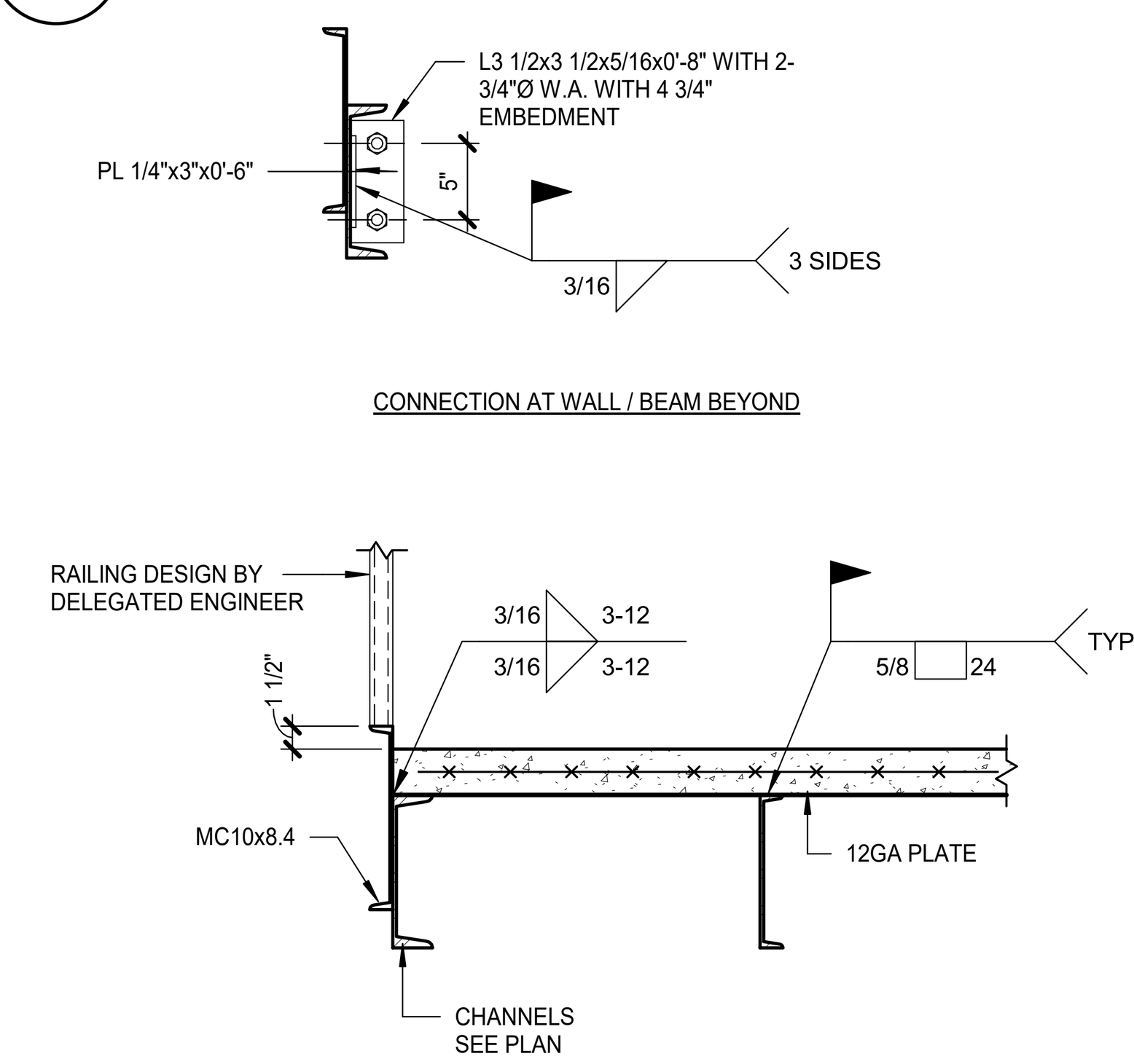
4 TYPICAL STAIR AT LANDING
1" = 1'-0"



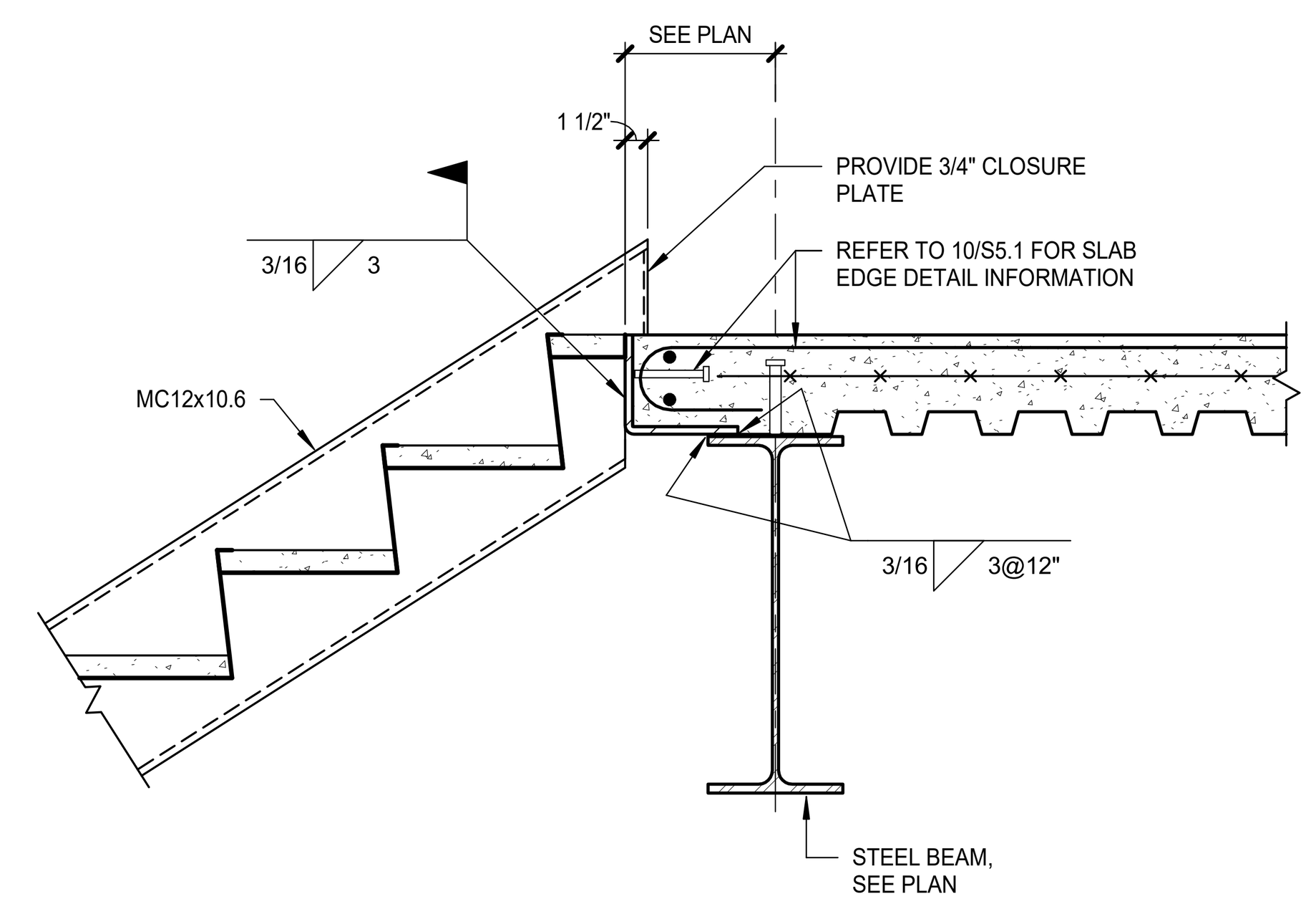
5 ONE-STEP OFFSET AT LANDING
1" = 1'-0"



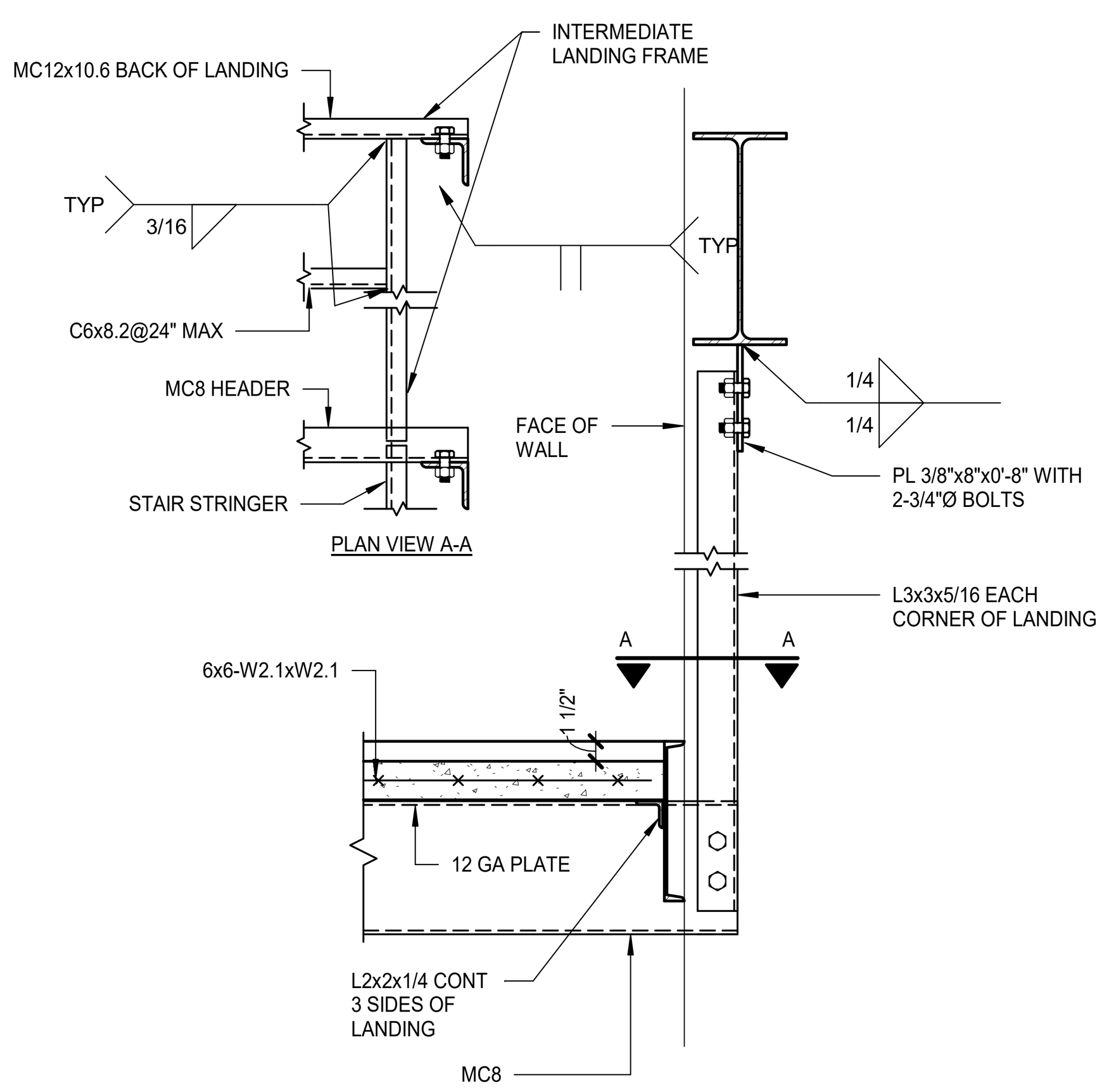
6 TYPICAL STAIR AT LANDING
1" = 1'-0"



7 UPPER LANDING STAIR DETAIL
1" = 1'-0"



8 STRINGER AT STEEL BEAM
1" = 1'-0"



9 SUSPENDED LANDING DETAIL
1" = 1'-0"

THESE DRAWINGS AND RENDERINGS ARE INSTRUMENTS OF SERVICE. THE DRAWINGS AND ASSOCIATED COPIES THEREOF, INCLUDING ELECTRONIC MEDIA AND CADD FILES, ARE THE PROPERTY OF ARCHITECTS LEWIS + WHITLOCK, PA.A. THEIR USE, REPRODUCTION OR REPRODUCTION FOR ANY PURPOSE EXCEPT BY WRITTEN AGREEMENT WITH THE ARCHITECT IS PROHIBITED. THIS COPYRIGHT NOTIFICATION SHALL BE TREATED AS IF DIRECTLY PLACED ON EACH DRAWING EXHIBIT OR RENDERING ON THIS DOCUMENT AND SHALL NOT BE REMOVED FROM THESE DOCUMENTS.

ID:	REVISION:	DATE:

PHASE:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT	TLC	CSC	07/30/2021
50% CONSTRUCTION DOCUMENTS	TLC	CSC	10/07/2021
100% CONSTRUCTION DOCUMENTS	TLC	CSC	12/09/2021
ADDENDUM 1			
ADDENDUM 2			

TO THE BEST OF MY KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES.

Consultant:

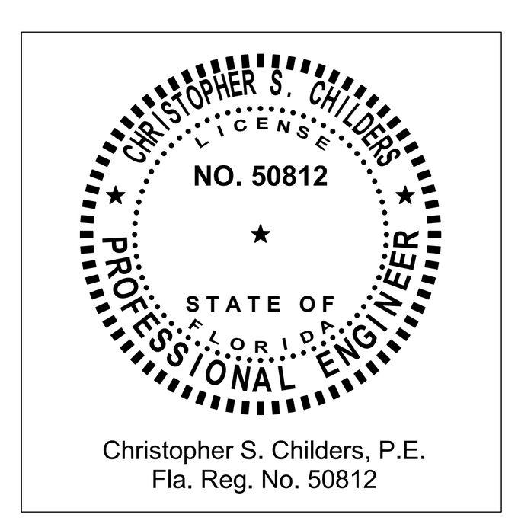
BLISS & NYITRAY, INC.
STRUCTURAL ENGINEERS
Certificate of Authorization No. 674
227 N Bronough St., Suite 7300
Tallahassee, Florida, 32301
T 850-222-4454 F 850-222-9425
www.bnengineers.com

Client:
Leon County R&D Authority
Tallahassee, Florida

Job Title:
North Florida Innovation Labs

Project #: 21414 / BNI No. 21T08
Phase: DESIGN DEVELOPMENT

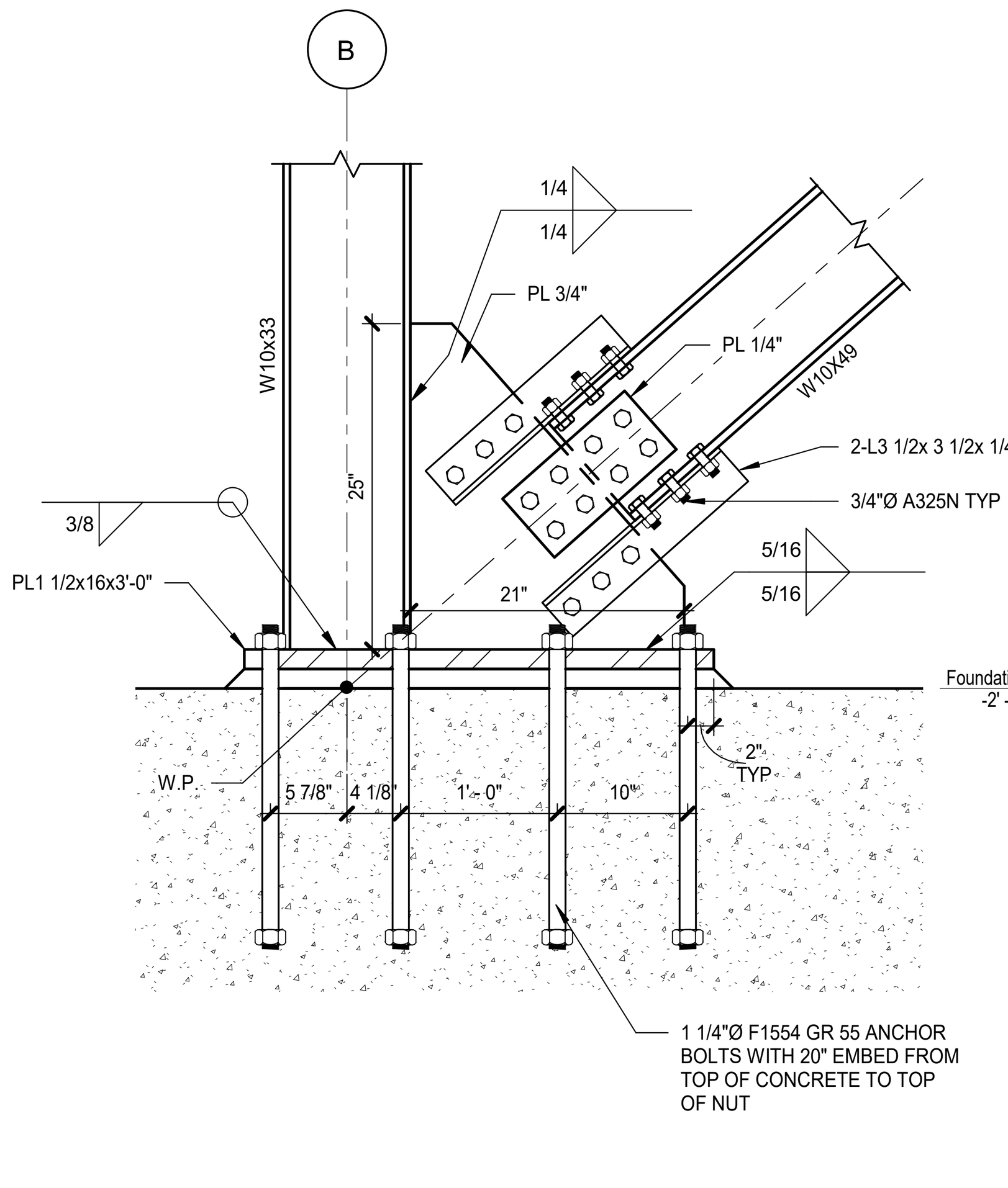
ALW
Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net



Christopher S. Childers, P.E.
Fla. Reg. No. 50812

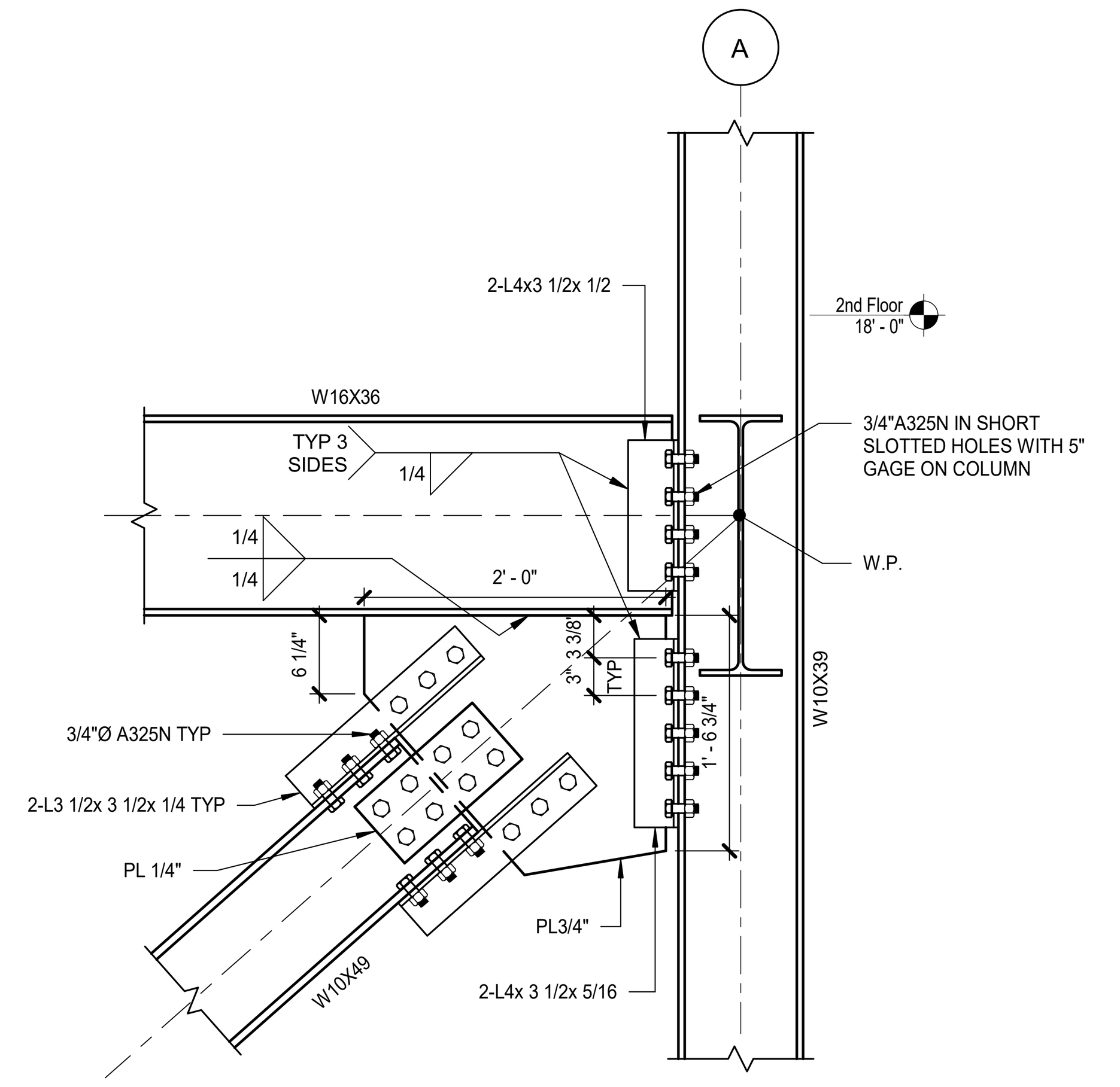
Description:
STAIR DETAILS

Sheet No.:
S3.41



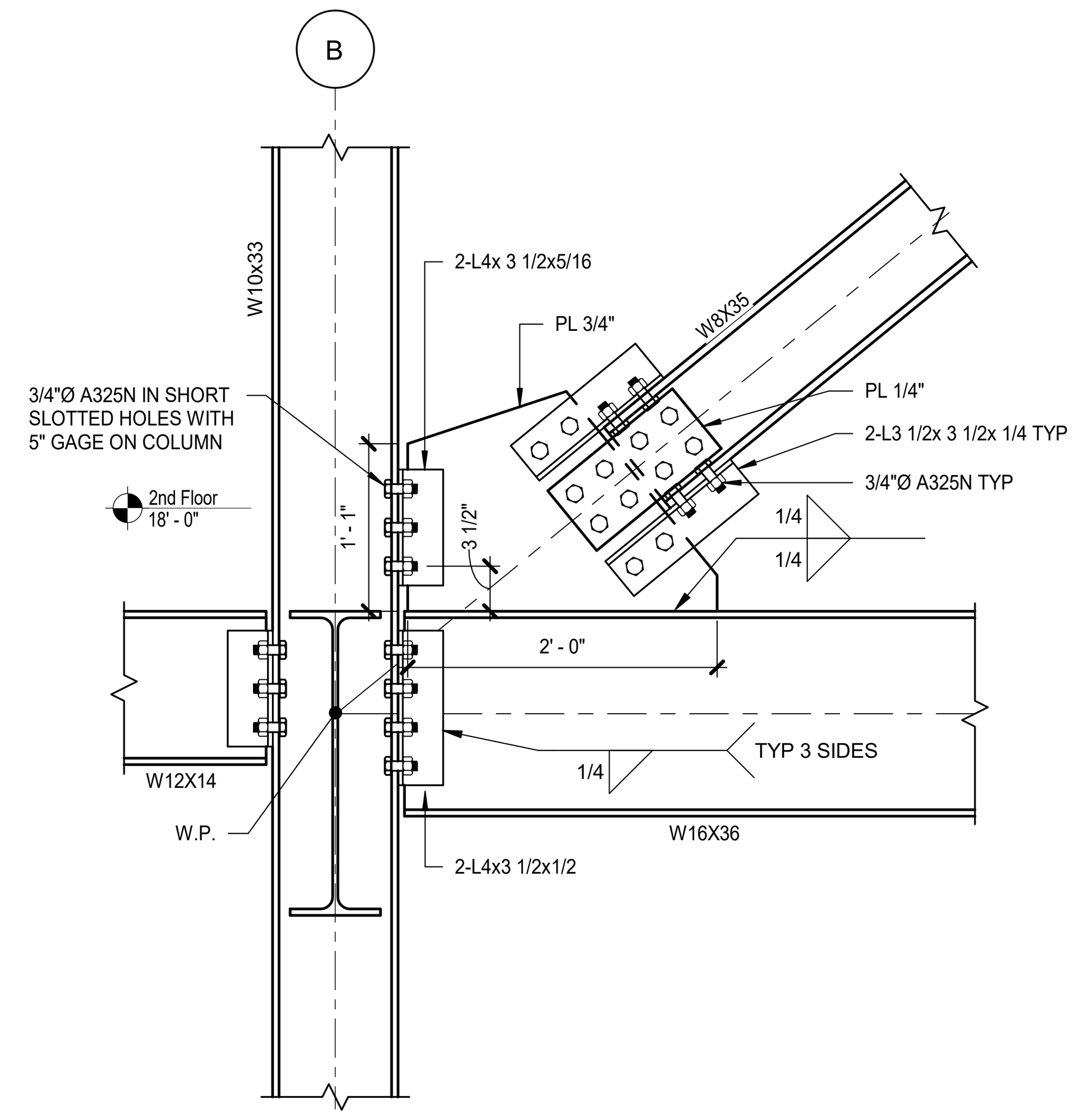
1 BRACE CONNECTION GRID 2 AT FOUNDATION

1" = 1'-0"



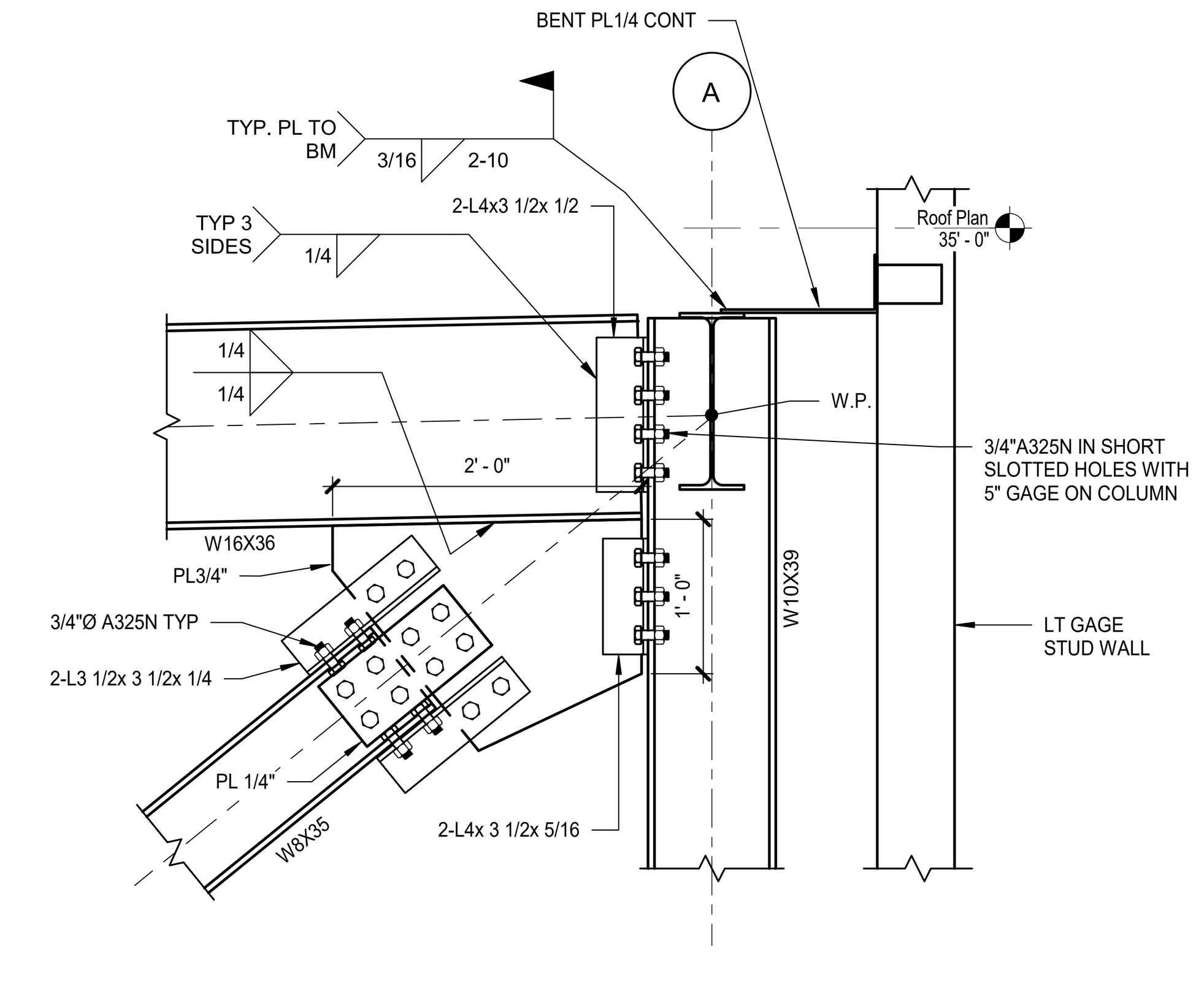
2 BRACE CONNECTION GRID 2 AT 2ND FLOOR

1" = 1'-0"

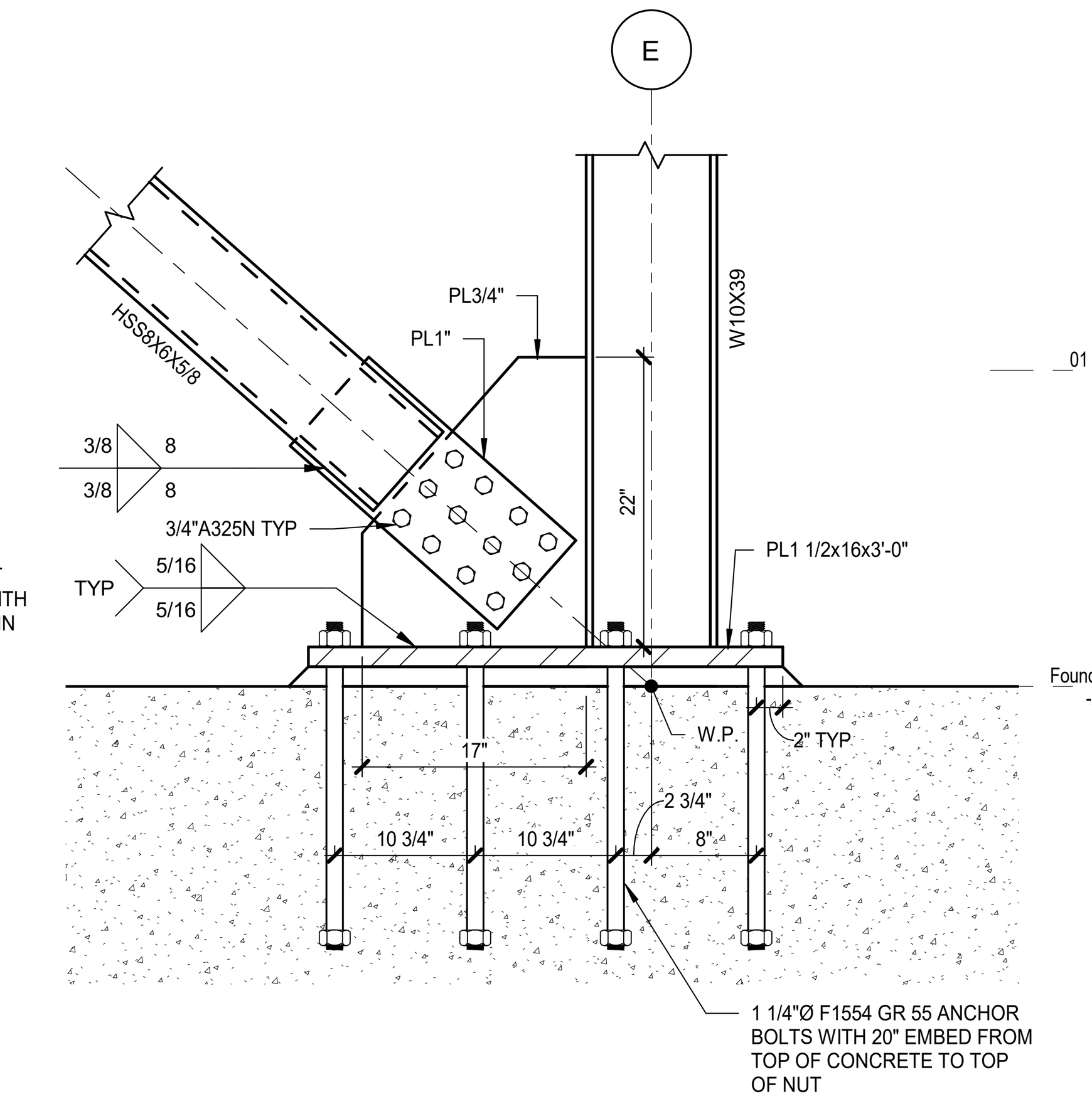


3 BRACE CONNECTION GRID 2 AT 2ND FLOOR

1" = 1'-0"

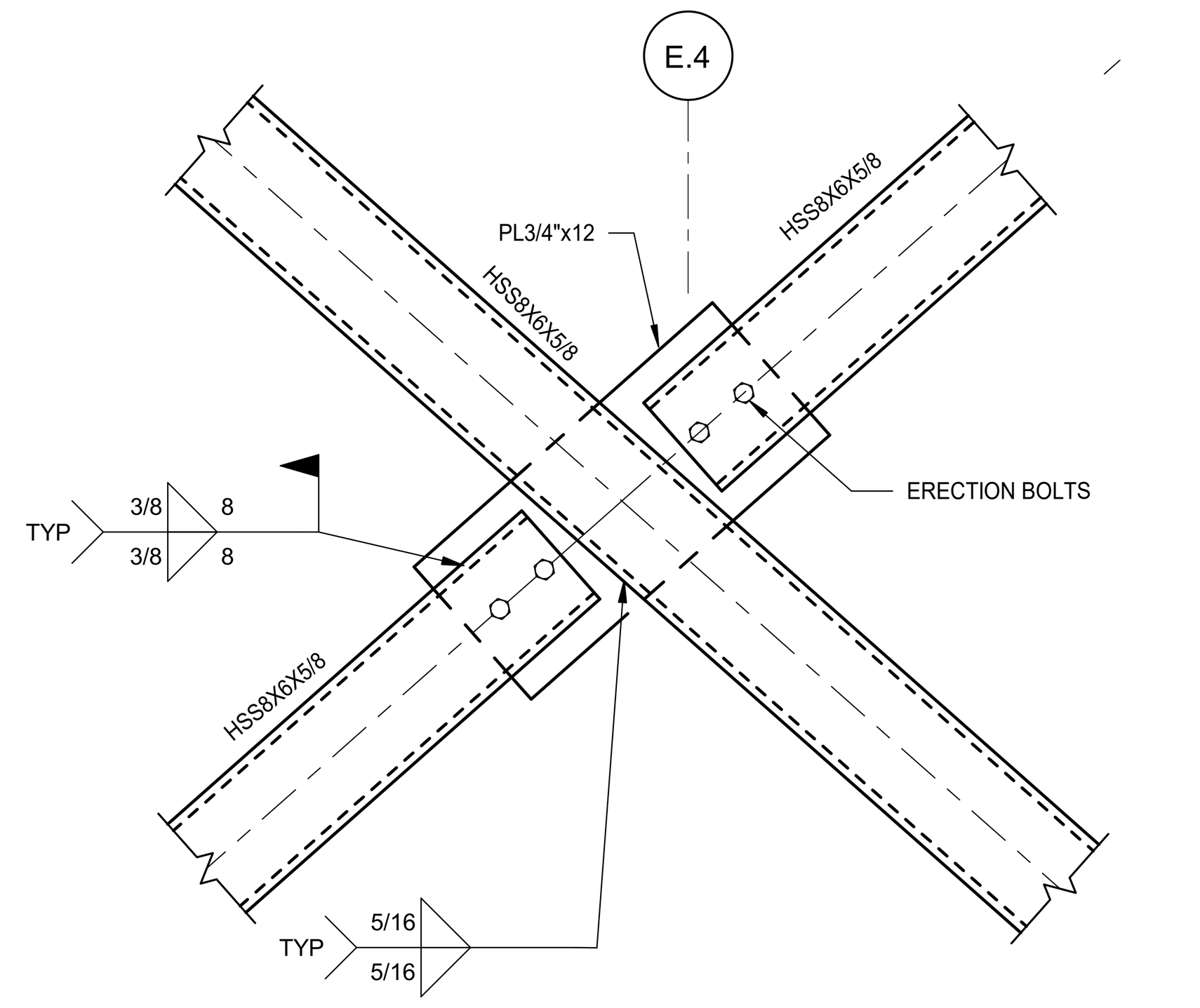


4 BRACE CONNECTION GRID 2 AT ROOF



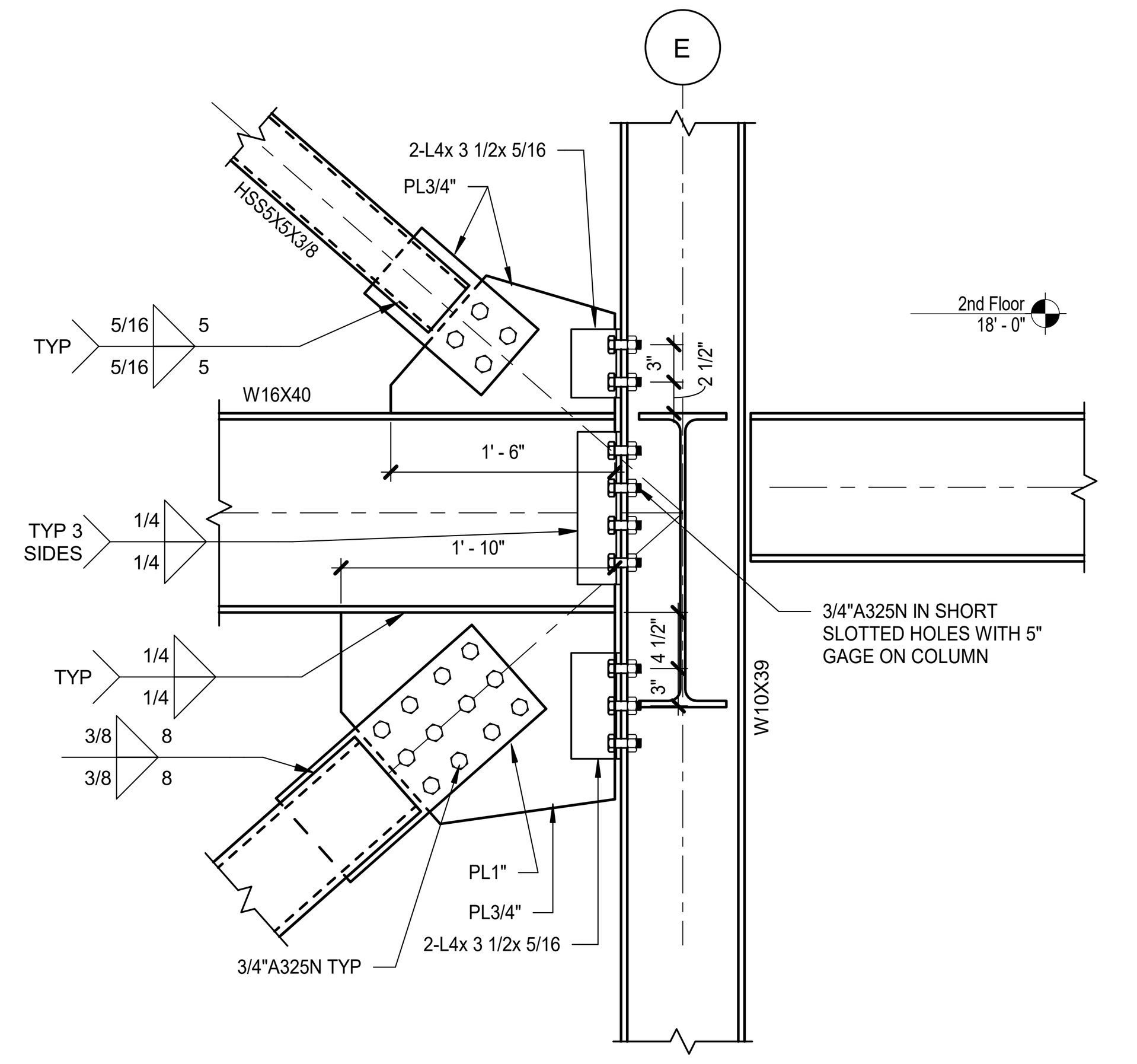
5 BRACE CONNECTION GRID 7 AT FOUNDATION

1" = 1'-0"



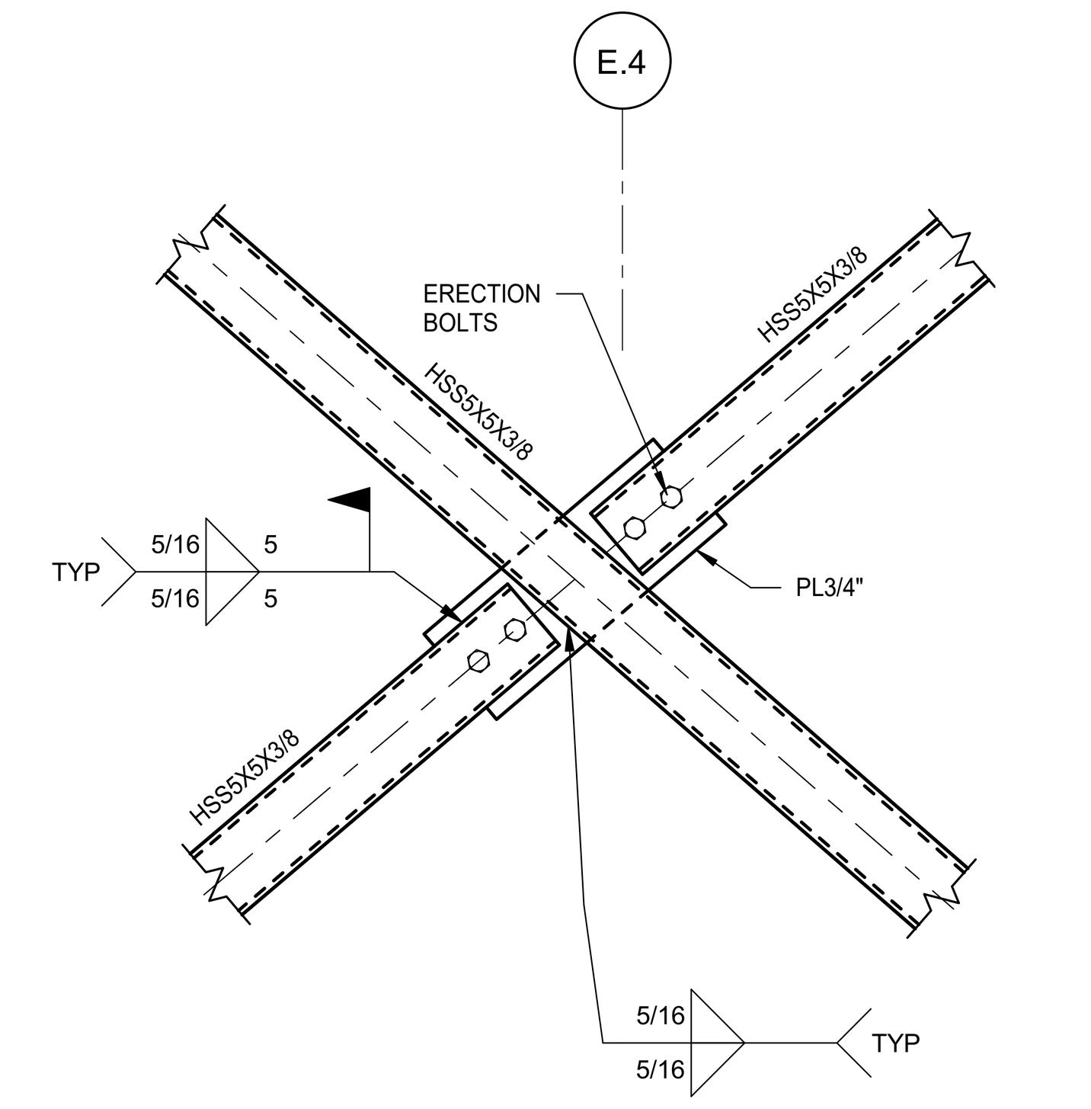
6 BRACE CONNECTION GRID 7 1ST FLOOR

1" = 1'-0"



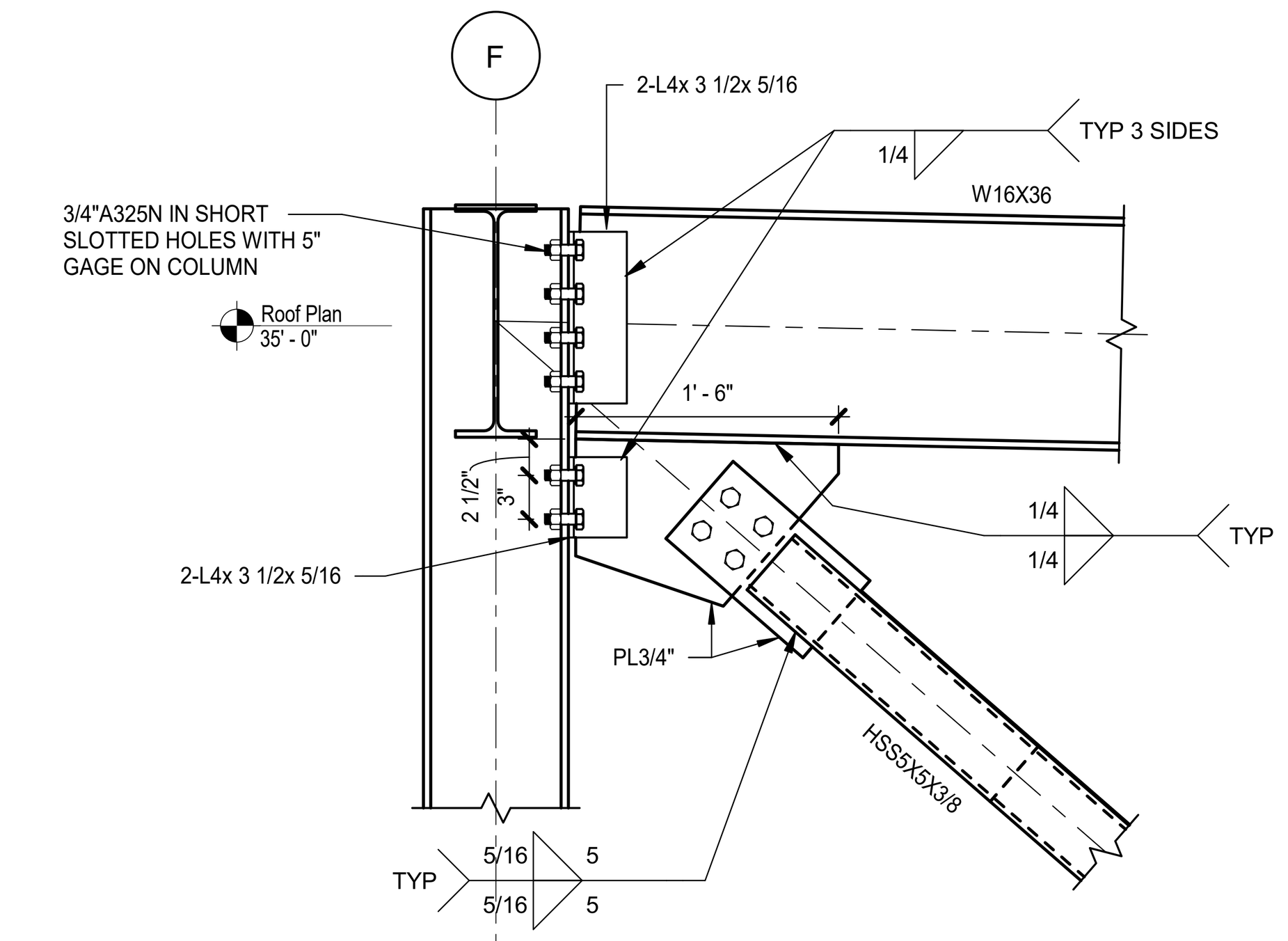
7 BRACE CONNECTION GRID 7 2ND FLOOR

1" = 1'-0"



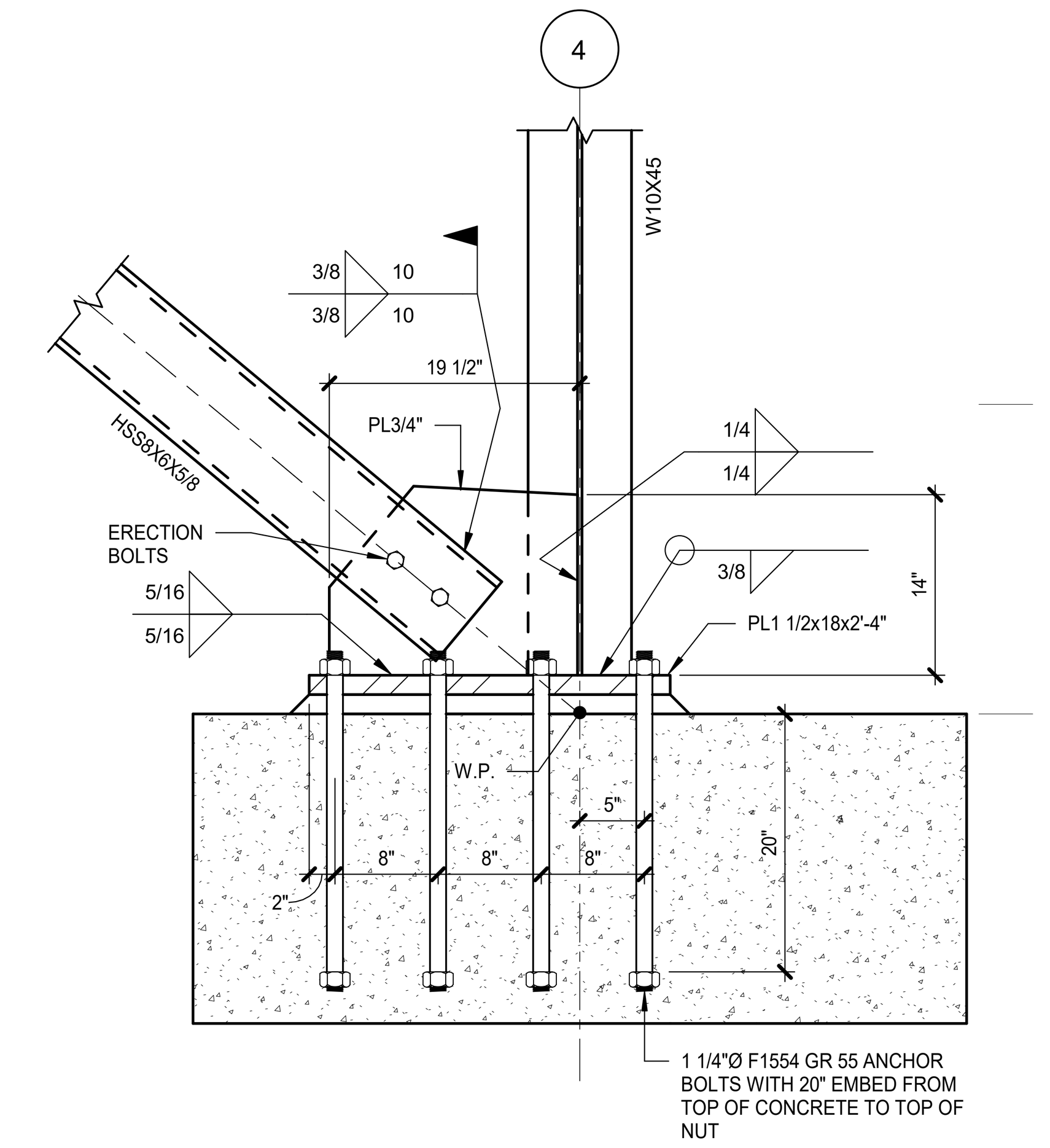
8 BRACE CONNECTION GRID 7 2ND FLOOR

1" = 1'-0"



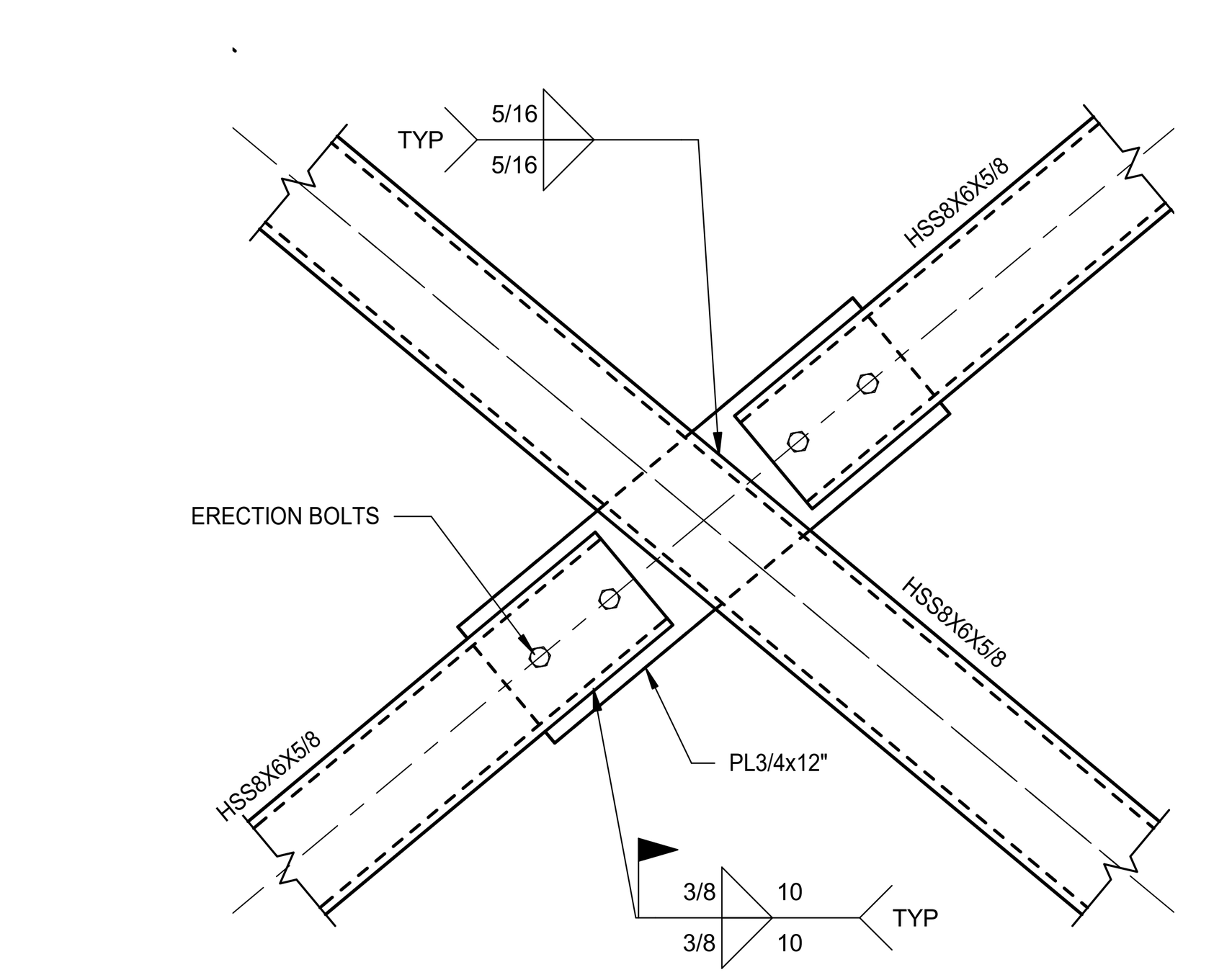
9 BRACE CONNECTION GRID 7 AT ROOF

1" = 1'-0"



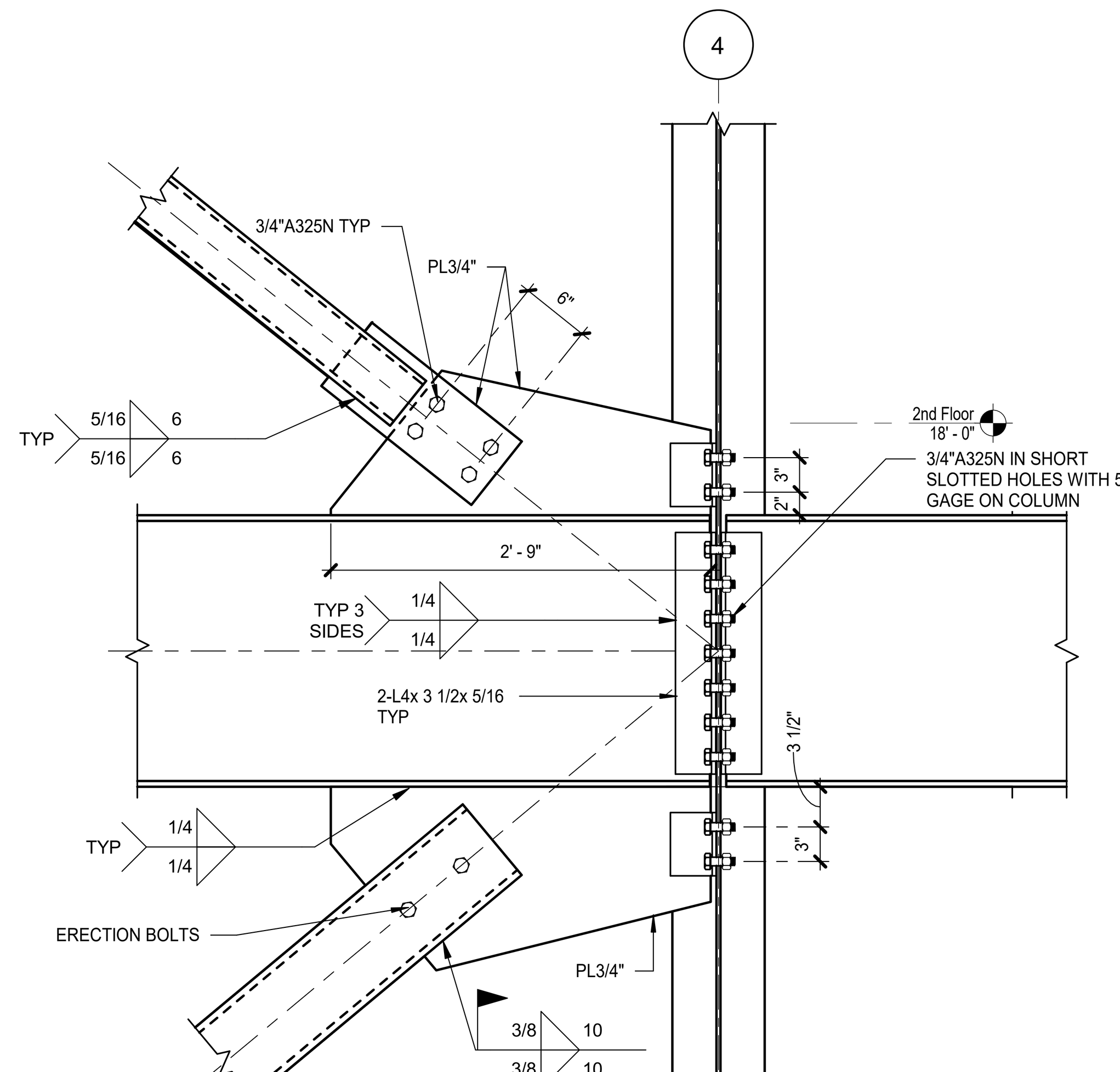
10 BRACE CONNECTION GRID C.5 AT FOUNDATION

1" = 1'-0"



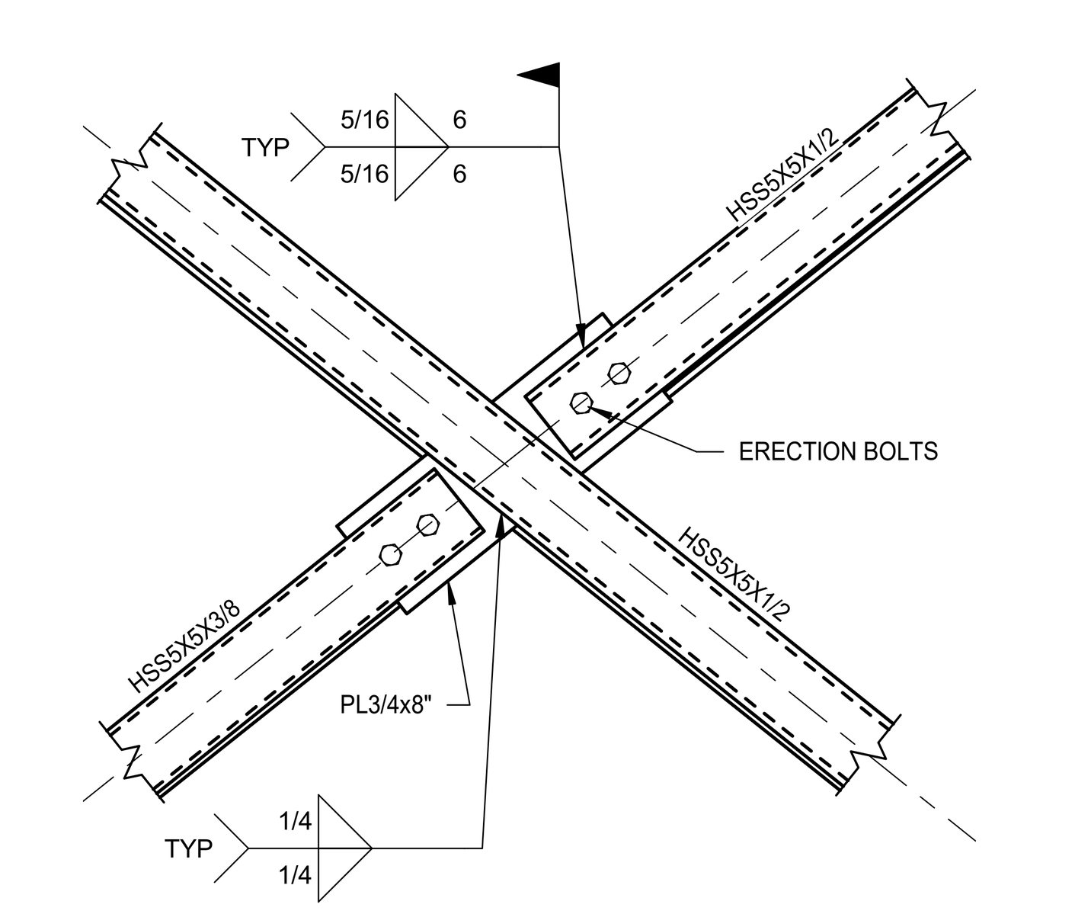
11 BRACE CONNECTION GRID C.5 AT 1ST FLOOR

1" = 1'-0"



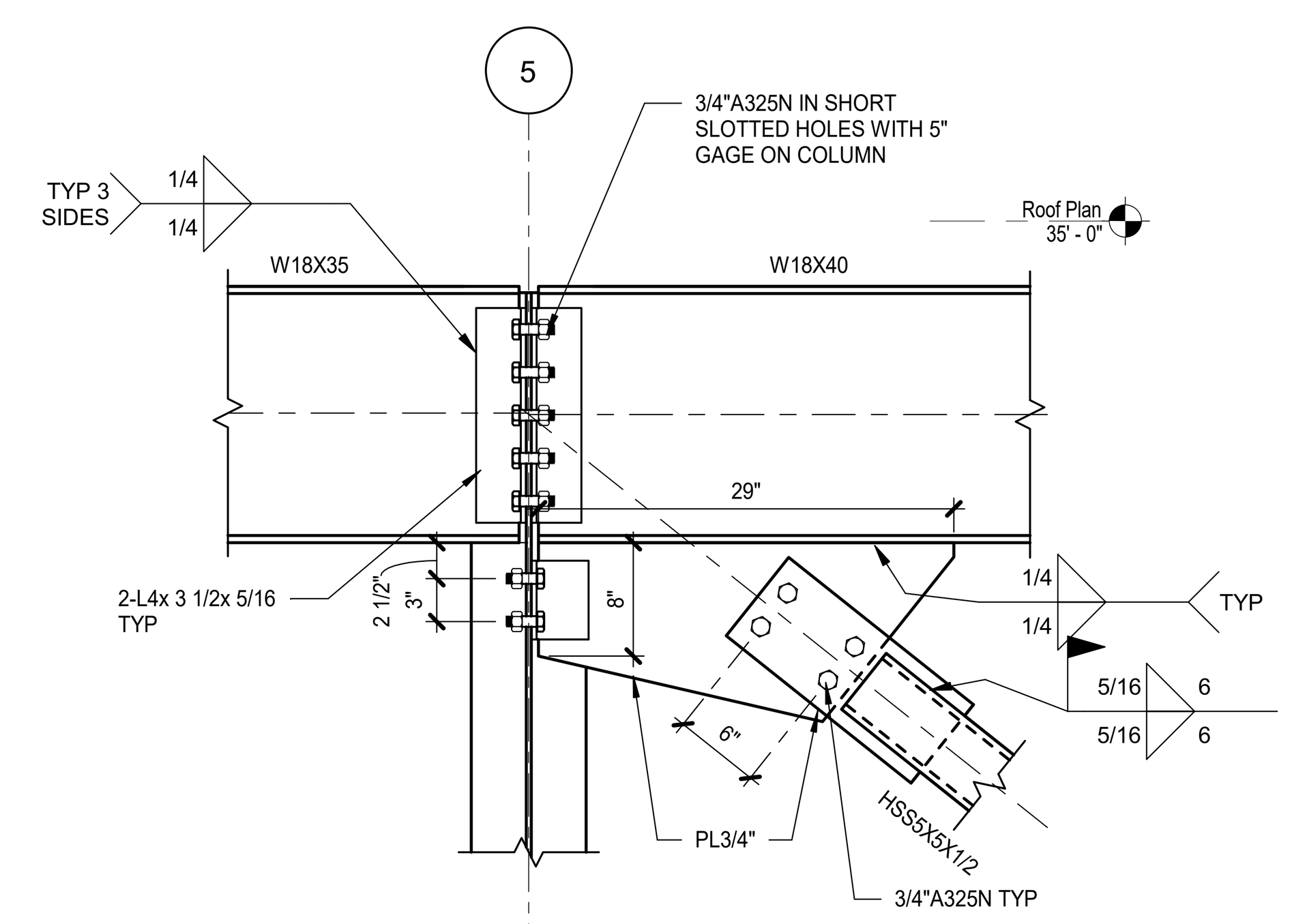
12 BRACE CONNECTION GRID C.5 AT 2ND FLOOR

1" = 1'-0"



13 BRACE CONNECTION GRID C.5 AT 2ND FLOOR

1" = 1'-0"



14 BRACE CONNECTION GRID C.5 AT ROOF

1" = 1'-0"

PHASE:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT	TLC	CSC	07/30/2021
50% CONSTRUCTION DOCUMENTS	TLC	CSC	10/07/2021
100% CONSTRUCTION DOCUMENTS	TLC	CSC	12/09/2021
ADDENDUM 1			
ADDENDUM 2			

TO THE BEST OF MY KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES.

Client: Leon County R&D Authority
Tallahassee, Florida

Job Title: North Florida Innovation Labs

Consultant: BLISS & NYITRAY, INC. STRUCTURAL ENGINEERS
Certificate of Authorization No. 674
227 N Bronough St., Suite 7300
Tallahassee, Florida 32301
T 850-222-4454 F 850-222-9425
www.bnienginneers.com

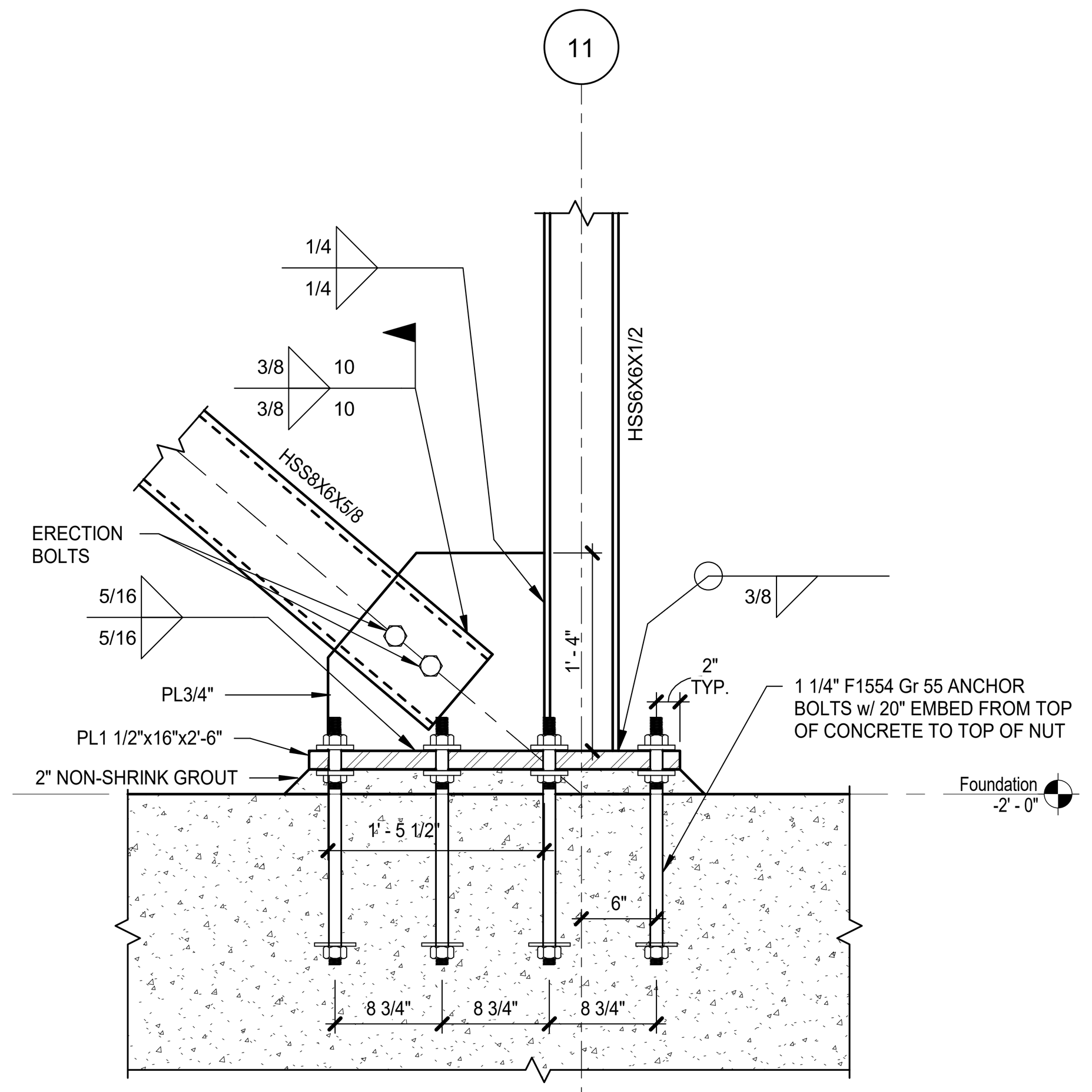
Project #: 21414 / BNI No. 21T08
Phase: DESIGN DEVELOPMENT

ALW
Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net

Christopher S. Childers, P.E.
Fla. Reg. No. 50812

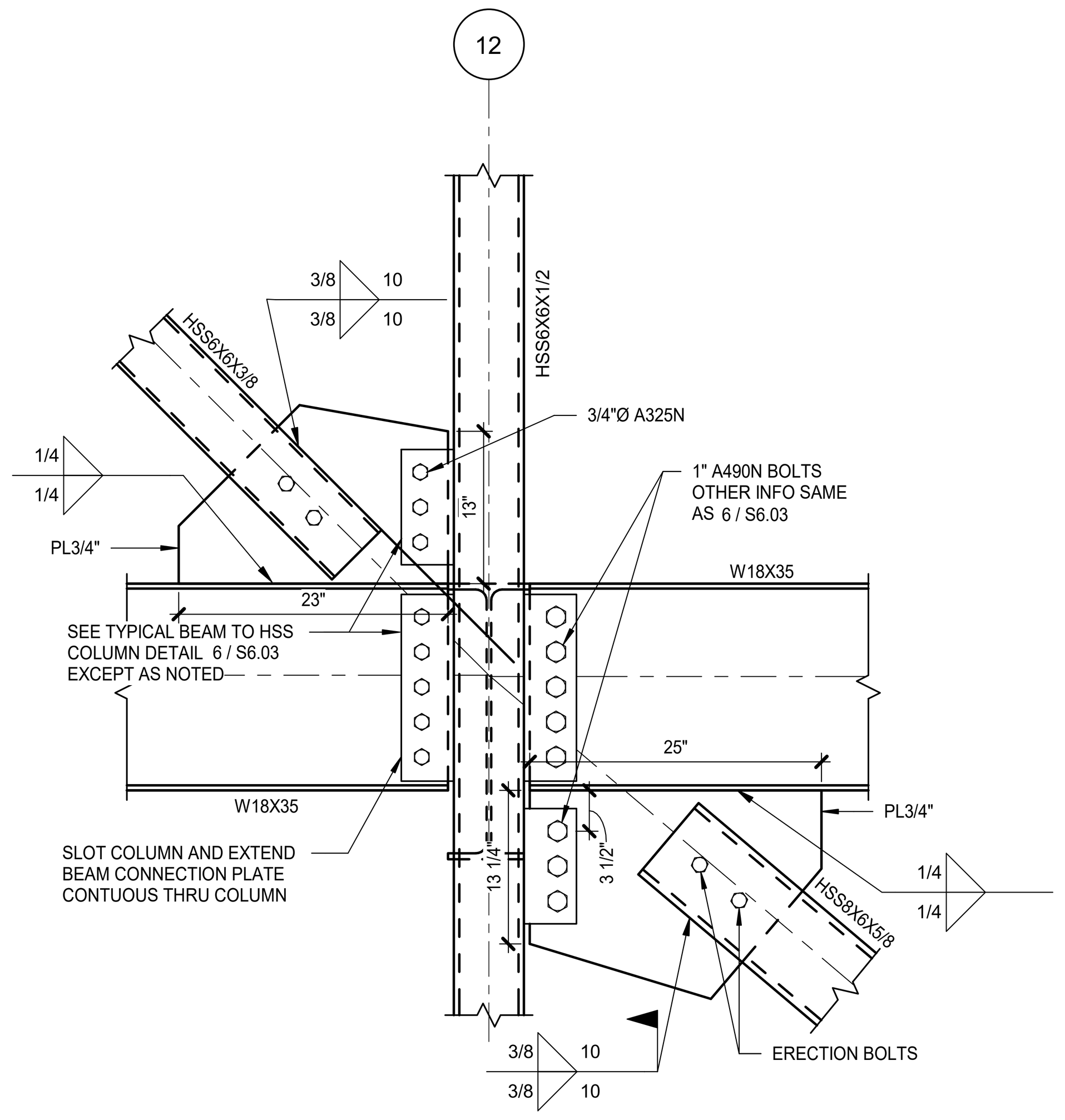
Description: VERTICAL BRACING DETAILS

Sheet No.: S3.42



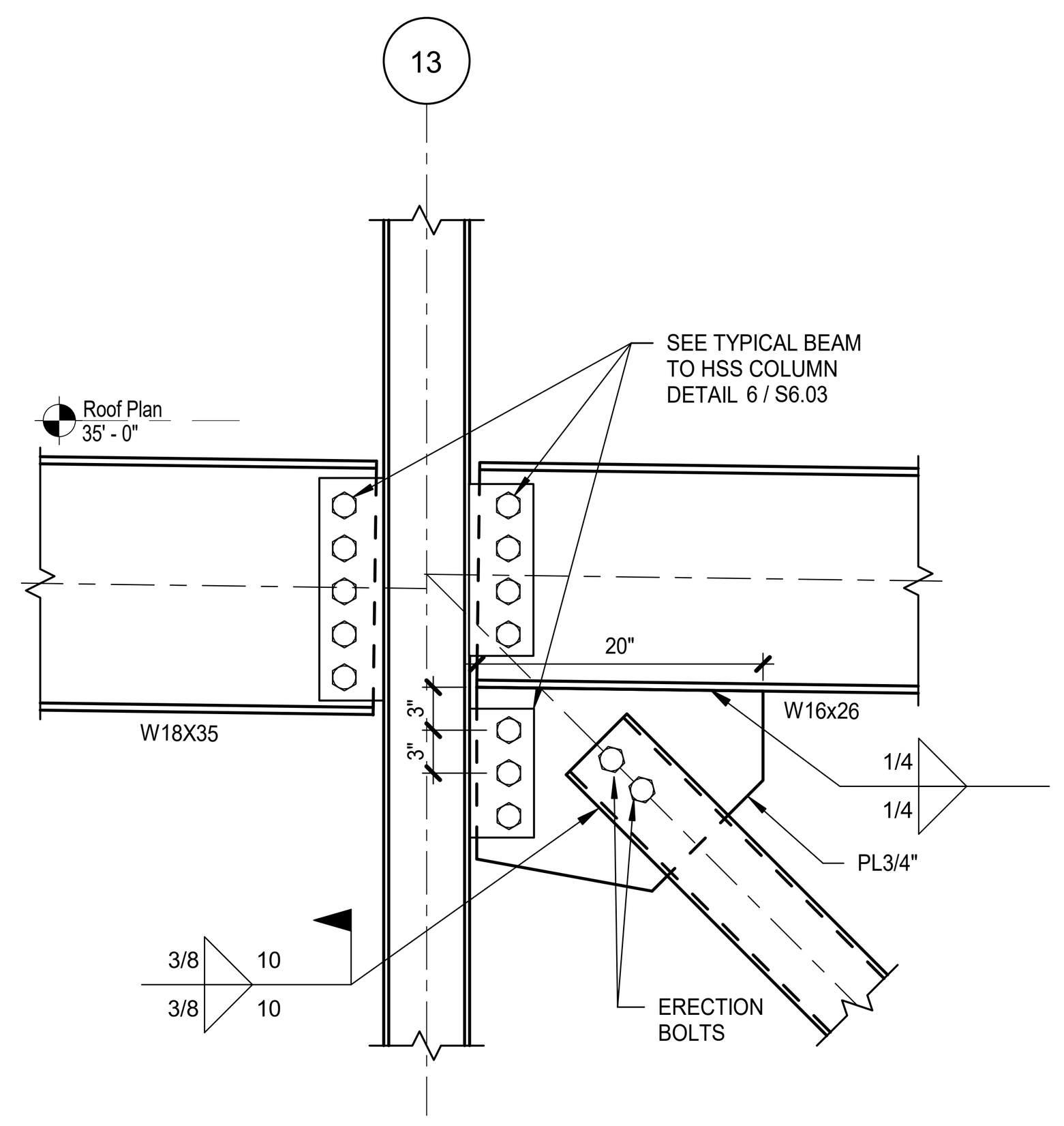
1 BRACING CONNECTION

1" = 1'-0"



2 BRACING CONNECTION

1" = 1'-0"



3 BRACING CONNECTION

1" = 1'-0"

THESE DRAWINGS AND RENDERINGS ARE INSTRUMENTS OF SERVICE. THE DRAWINGS AND ASSOCIATED COPIES THEREOF, INCLUDING ELECTRONIC MEDIA AND CADD FILES, ARE THE PROPERTY OF ARCHITECTS LEWIS + WHITLOCK, P.A. THEIR USE, REPRESENTATION OR REPRODUCTION FOR ANY PURPOSE EXCEPT BY WRITTEN AGREEMENT WITH THE ARCHITECT IS PROHIBITED. THIS COPYRIGHT NOTIFICATION SHALL BE TREATED AS IF DIRECTLY PLACED ON EACH DRAWING EXHIBIT OR RENDERING ON THIS DOCUMENT AND SHALL NOT BE REMOVED FROM THESE DOCUMENTS.

PHASE:	DRAWN:	REVIEWED:	DATE:	ID:	REVISION:	DATE:
DESIGN DEVELOPMENT	TLC	CSC	07/30/2021			
50% CONSTRUCTION DOCUMENTS	TLC	CSC	10/07/2021			
100% CONSTRUCTION DOCUMENTS	TLC	CSC	12/09/2021			
ADDENDUM 1						
ADDENDUM 2						

TO THE BEST OF MY KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES.

Consultant:
BLISS & NYITRAY, INC.
STRUCTURAL ENGINEERS
Certificate of Authorization No. 674
227 N Bronough St., Suite 7300
Tallahassee, Florida, 32301
T 850-222-4454 F 850-222-9425
www.bnengineers.com

Client:
Leon County R&D Authority
Tallahassee, Florida

Project #: 21414 / BNI No. 21T08
Phase: DESIGN DEVELOPMENT

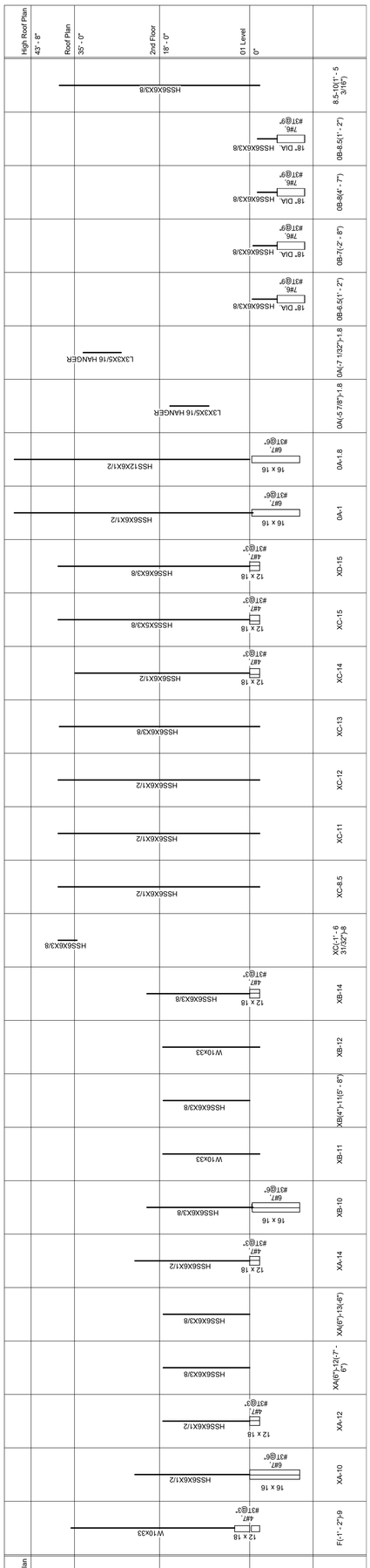
Job Title:
North Florida Innovation Labs

ALW
Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net

CHRISTOPHER S. CHILDERS LICENSE NO. 50812 STATE OF FLORIDA PROFESSIONAL ENGINEER
Christopher S. Childers, P.E.
Fla. Reg. No. 50812

Description:
VERTICAL BRACING DETAILS

Sheet No.:
S3.43



ID:	REVISION:	DATE:

PHASE:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT	TLC	CSC	07/30/2021
50% CONSTRUCTION DOCUMENTS	TLC	CSC	10/07/2021
100% CONSTRUCTION DOCUMENTS	TLC	CSC	12/09/2021
ADDENDUM 1			
ADDENDUM 2			

TO THE BEST OF MY KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES.

Client:
Leon County R&D Authority
Tallahassee, Florida

Job Title:
North Florida Innovation Labs

Consultant:
BLISS & NYITRAY, INC.
STRUCTURAL ENGINEERS
Certificate of Authorization No. 674
227 N Bronough St., Suite 7300
Tallahassee Florida, 32301
T 850-222-4454 F 850-222-9425
www.bnienginееrs.com

Project #: **21414 / BNI No. 21T08**
Phase: **DESIGN DEVELOPMENT**

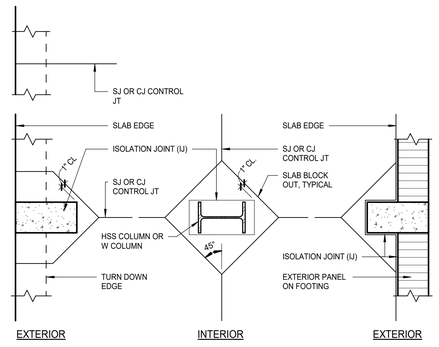
ALW
Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net

NO. 50812

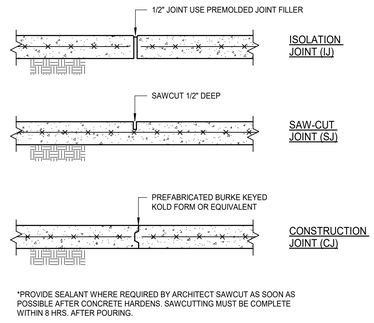
Christopher S. Childers, P.E.
Fla. Reg. No. 50812

Description:
COLUMN SCHEDULE

Sheet No.:
S4.01

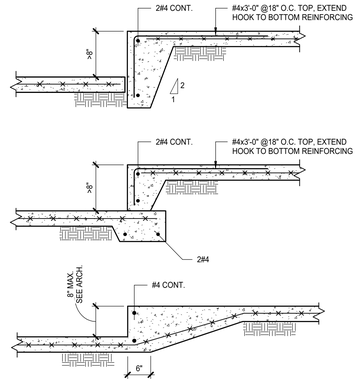


1 CONTROL JOINTS AT COLUMNS
PLAN VIEW
3/4" = 1'-0"

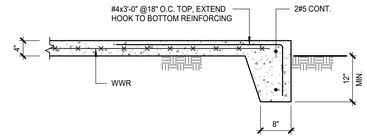


*PROVIDE SEALANT WHERE REQUIRED BY ARCHITECT SAWCUT AS SOON AS POSSIBLE AFTER CONCRETE HARDENS. SAWCUTTING MUST BE COMPLETE WITHIN 8 HRS. AFTER POURING.

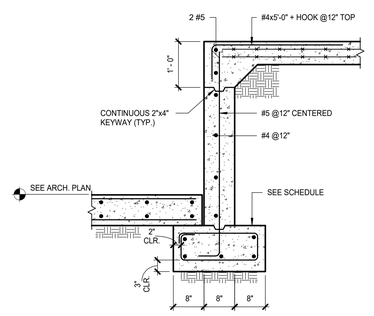
2 SLAB ON GRADE CONTROL JOINTS
3/4" = 1'-0"



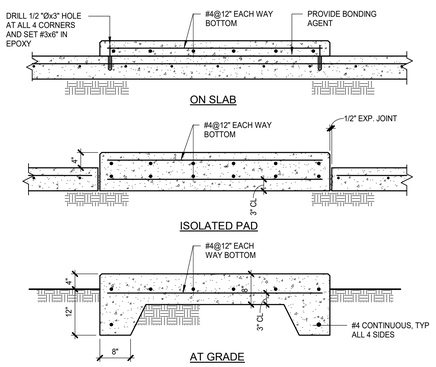
3 TYPICAL SLAB STEP DETAILS
3/4" = 1'-0"



4 SLAB EDGE DETAIL
3/4" = 1'-0"

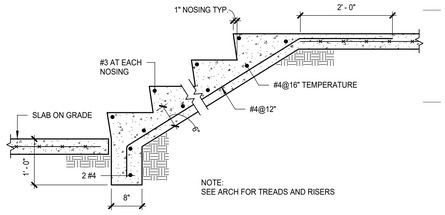


5 RETAINING WALL AT LOADING DOCKS
3/4" = 1'-0"



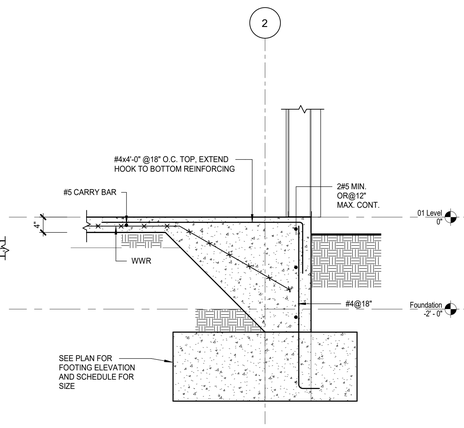
NOTE:
SEE MEP DRAWINGS FOR SIZE AND LOCATION OF HOUSEKEEPING PADS.

6 HOUSEKEEPING PADS ON GRADE
3/4" = 1'-0"

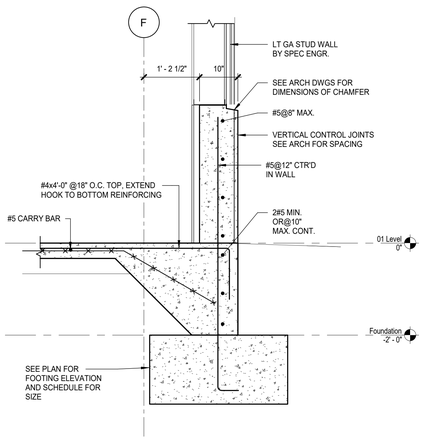


NOTE:
SEE ARCH FOR TREADS AND RISERS

7 CONCRETE STAIR ON GRADE
3/4" = 1'-0"



8 TYPICAL SLAB EDGE
3/4" = 1'-0"



9 SLAB EDGE AT STAIR WALL
3/4" = 1'-0"

THESE DRAWINGS AND RENDERINGS ARE, AND SHALL REMAIN, THE PROPERTY OF THE ARCHITECTS AND ASSOCIATED CONSULTANTS THEREOF. ALL DRAWINGS, RENDERINGS AND DIGITAL FILES, ARE THE PROPERTY OF ARCHITECTS: LEWIS + WHITLOCK, P.A., THEIR USE, REPRODUCTION OR ASSIGNMENT FOR ANY PURPOSE EXCEPT BY WRITTEN AGREEMENT WITH ARCHITECTS IS PROHIBITED. THIS COPYRIGHT NOTICE SHALL BE CONSIDERED AS IF DIRECTLY PLACED ON EACH DRAWING AND RENDERING AND SHALL NOT BE REMOVED FROM THESE DOCUMENTS.

ID:	REVISION:	DATE:

PHASE:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT	TLC	CSC	07/30/2021
50% CONSTRUCTION DOCUMENTS	TLC	CSC	10/07/2021
100% CONSTRUCTION DOCUMENTS	TLC	CSC	12/09/2021
ADDENDUM 1			
ADDENDUM 2			

TO THE BEST OF MY KNOWLEDGE, THESE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES.

Client:
Leon County R&D Authority
Tallahassee, Florida

Job Title:
North Florida Innovation Labs

Consultant:
BLISS & NYITRAY, INC.
STRUCTURAL ENGINEERS
Certificate of Authorization #7314
227 N Bronough St., Suite 7300
Tallahassee Florida, 32301
T 850-222-4454 F 850-222-9425
www.blissnyitraye.com

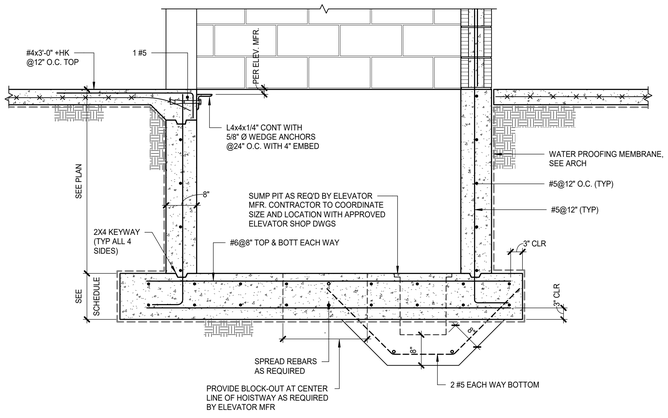
Project #: 21414 / BNI No. 21T08
Phase: DESIGN DEVELOPMENT

ALW
Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net

CHRISTOPHER S. CHILDERS LICENSED PROFESSIONAL ENGINEER NO. 50812 STATE OF FLORIDA
Christopher S. Childers, P.E.
Fla. Reg. No. 50812

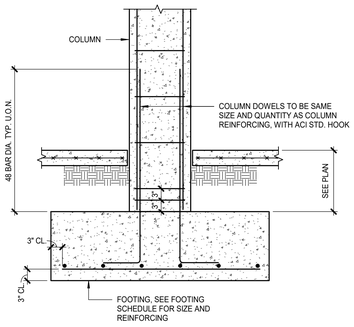
Description:
TYPICAL SLAB ON GRADE DETAILS

Sheet No.:
S5.01

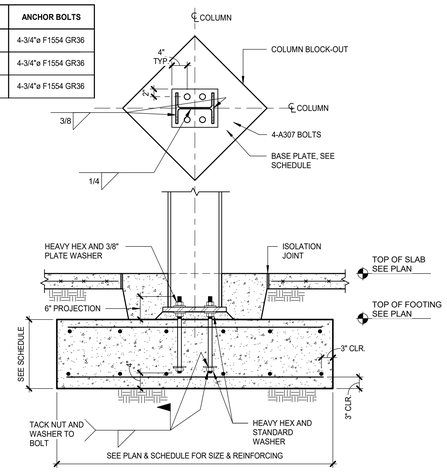


1 TYPICAL ELEVATOR PIT
TYPICAL SECTION 3/4" = 1'-0"

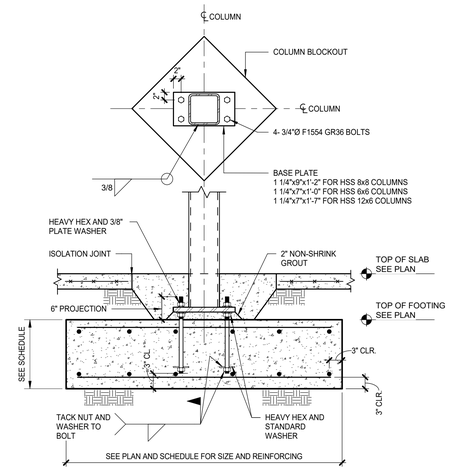
COLUMN SIZE	BASE PLATE	ANCHOR BOLTS
W8x24	PL 3/4x8x1'-0"	4-3/4"ø F1554 GR36
W10x33, W10x39 & W10x45	PL 1x10x1'-0"	4-3/4"ø F1554 GR36
W10x49	PL 1x11x1'-0"	4-3/4"ø F1554 GR36



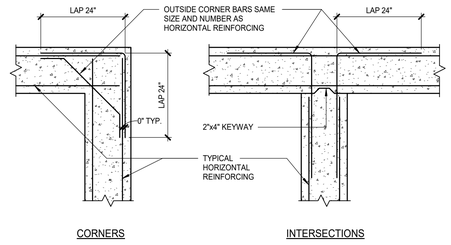
2 COLUMN FOOTING DETAIL
3/4" = 1'-0"



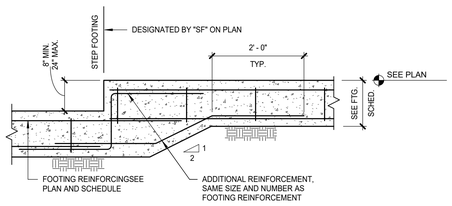
3 "W" COLUMN/FOOTING DETAIL
3/4" = 1'-0"



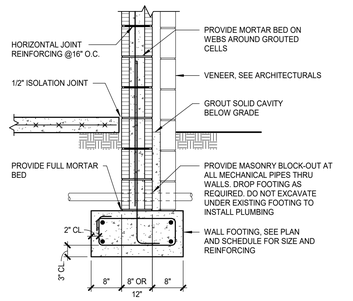
4 TUBE COLUMN/FOOTING DETAIL
3/4" = 1'-0"



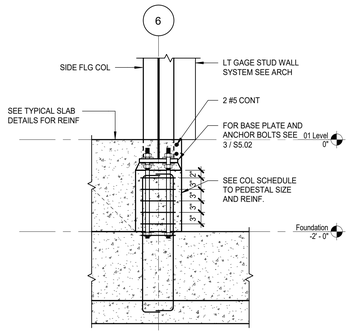
5 TYPICAL HORIZONTAL REINFORCING
CONCRETE TIE BEAMS, WALLS AND FOOTINGS 3/4" = 1'-0"



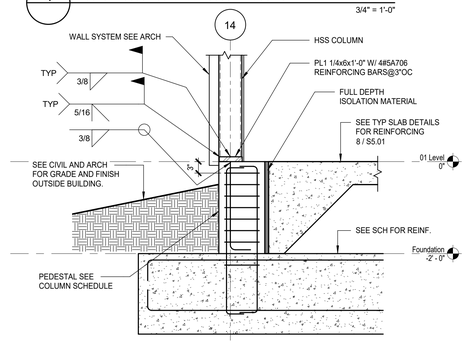
6 TYPICAL STEP FOOTING DETAIL
3/4" = 1'-0"



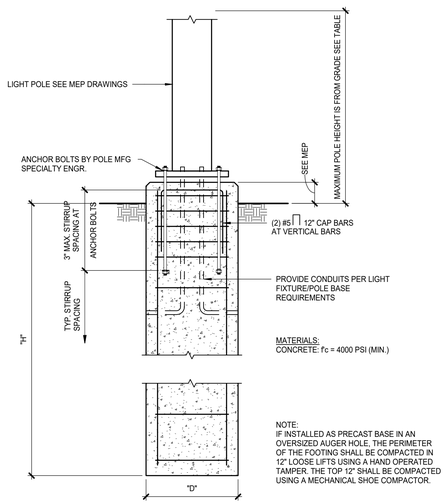
7 WALL FOOTING DETAIL
AT EXTERIOR 3/4" = 1'-0"



8 TYPICAL W COLUMN AT PERIMETER
ALONG GRID F & 1.3 3/4" = 1'-0"



9 HSS COLUMN WITH PEDESTAL
TYPICAL AT EXTERIOR WALLS OF BUILDING 3/4" = 1'-0"



MAXIMUM POLE HEIGHT	"H"	"D"	VERTICAL REINFORCING	STIRRUPS
28 FT.	76"	24"Ø	8 #7	#4 @12" O.C.
14 FT.	48"	16"x16"	4 #5	#3 @8" O.C.
12 FT.	48"	16"x16"	4 #5	#3 @8" O.C.

10 LIGHT POLE BASE DETAIL
3/4" = 1'-0"

FOOTING SCHEDULE

TYPE	SIZE WxLxD	REINFORCING				REMARKS
		BOTTOM		TOP		
		L.W.	S.W.	L.W.	S.W.	
24" MATT FOUNDATION		#6@9"	#6@8"	#6@6"	#6@8"	
F-3.5	3' - 6"x3' - 6"x12"	4 #5	4 #5			
F-4.0	4' - 0"x4' - 0"x12"	5 #5	5 #5			HOOK BARS BOTH ENDS
F-6.0	6' - 0"x6' - 0"x12"	7 #5	7 #5			

WALL FOOTING SCHEDULE

TYPE	SIZE WxLxD	REINFORCING				REMARKS
		CONTINUOUS		TRANSVERSE		
		BOTTOM	TOP	BOTTOM	TOP	
WF-2.0	2' - 0"xCONTx16"	3#5	2#4	#5 STIRRUPS @10"		
WF-3.0	3' - 0"xCONTx18"	4#6	2#5	#5@8" HK ENDS		
WF-3.5	3' - 6"xCONTx18"	5#5	5#5	#5@8" HK ENDS	#5@24	
WF-4.0	4' - 0"xCONTx18"	6#5	6#5	#5@8" HK ENDS	#5@24	
WF-4.5	4' - 6"xCONTx21"	6#6	6#6	#6@9" HK ENDS	#5@24	
WF-5.0	5' - 0"xCONTx24"	6#6	6#6	#6@8" HK ENDS	#5@24	4000 PSI CONCRETE REQUIRED
WF-6.0	6' - 0"xCONTx24"	6#7	6#7	#6@9" HK ENDS	#5@24	
WF-7.0	7' - 0"xCONTx24"	9#6	9#6	#7@12" HK ENDS	#7@12" HK ENDS	4000 PSI CONCRETE REQUIRED
WF-10.0	10' - 0"xCONTx24"	11#9	10#7	#7@10"	#7@10"	4000 PSI CONCRETE REQUIRED

MINIMUM LAP SPLICE LENGTH SCHEDULE

BAR TYPE	BAR SIZE							
	#3	#4	#5	#6	#7	#8	#9	#10	#11
48 BAR DIAMETER	18"	24"	30"	36"	42"	48"	54"	61"	68"
FOOTINGS	16"	18"	22"	26"	38"	43"	49"	55"	61"
COLUMNS	-	-	22"	26"	38"	45"	56"	69"	83"
WALLS	16"	18"	22"	26"	43"	54"	66"	81"	-
SLABS	16"	22"	32"	43"	69"	86"	-	-	-
BEAMS (TOP)	-	-	28"	34"	49"	59"	73"	90"	107"
BEAMS (MID. AND BOTT.)	-	-	22"	26"	38"	45"	56"	69"	83"
STIRRUPS	16"	18"	22"	26"	-	-	-	-	-
MASONRY FILLED CELLS (f'm=2000)	-	24"	30"	42"	59"	-	-	-	-

ID:	REVISION:	DATE:

DRAWN:	REVIEWED:	DATE:
TLC	CSC	07/30/2021
TLC	CSC	10/07/2021
TLC	CSC	12/09/2021

PHASE:
DESIGN DEVELOPMENT
50% CONSTRUCTION DOCUMENTS
100% CONSTRUCTION DOCUMENTS
ADDENDUM 1
ADDENDUM 2

TO THE BEST OF MY KNOWLEDGE, THESE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES.

Client: Leon County R&D Authority
Tallahassee, Florida

Job Title: North Florida Innovation Labs

Consultant: BLISS & NYITRAY, INC.
STRUCTURAL ENGINEERS
Certificate of Authorization #27
227 N Bronough St., Suite 7300
Tallahassee Florida, 32301
T 850-222-4454 F 850-222-9425
www.blissengineers.com

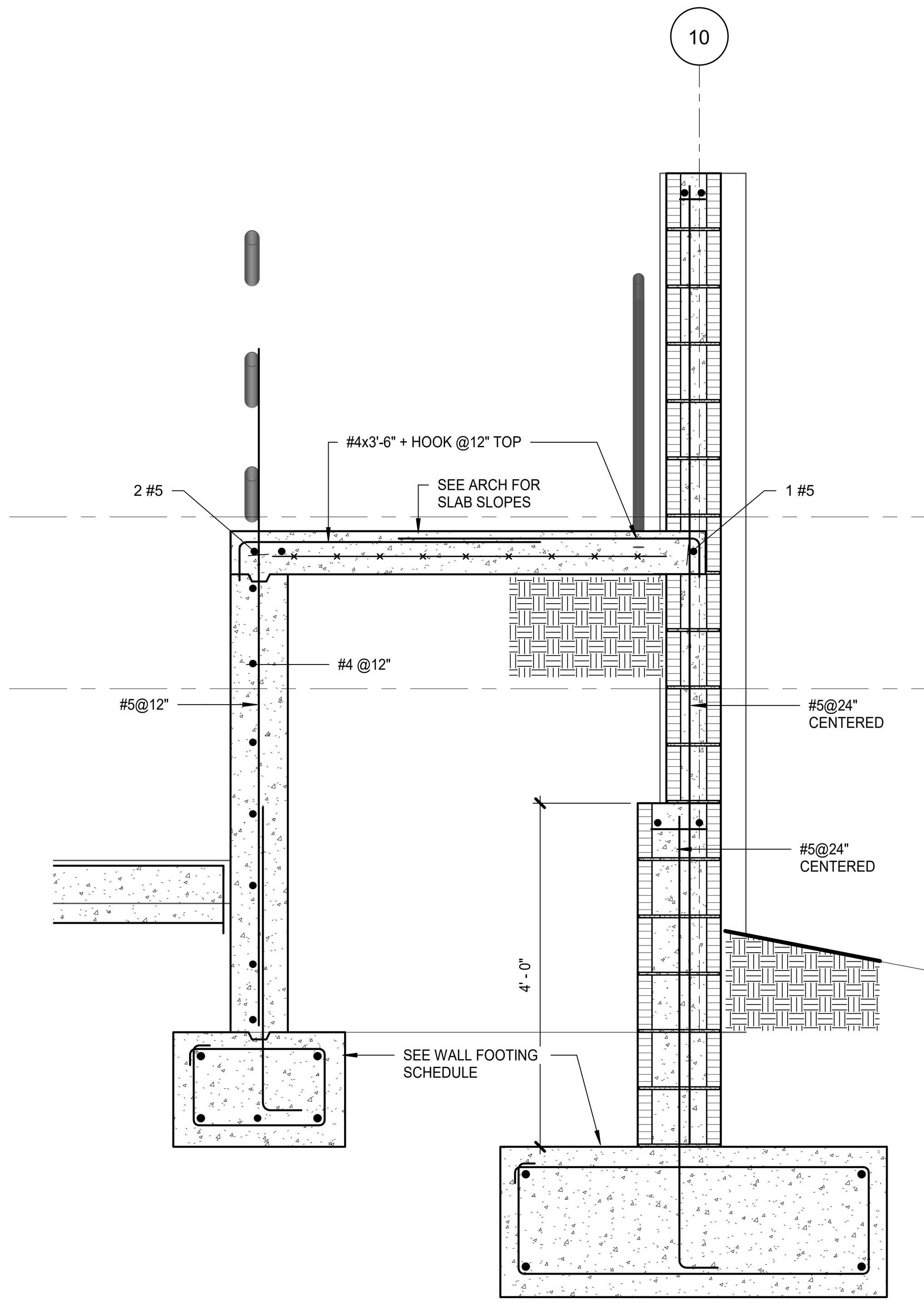
Project #: 21414 / BNI No. 21T08
Phase: DESIGN DEVELOPMENT

ALW
Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net

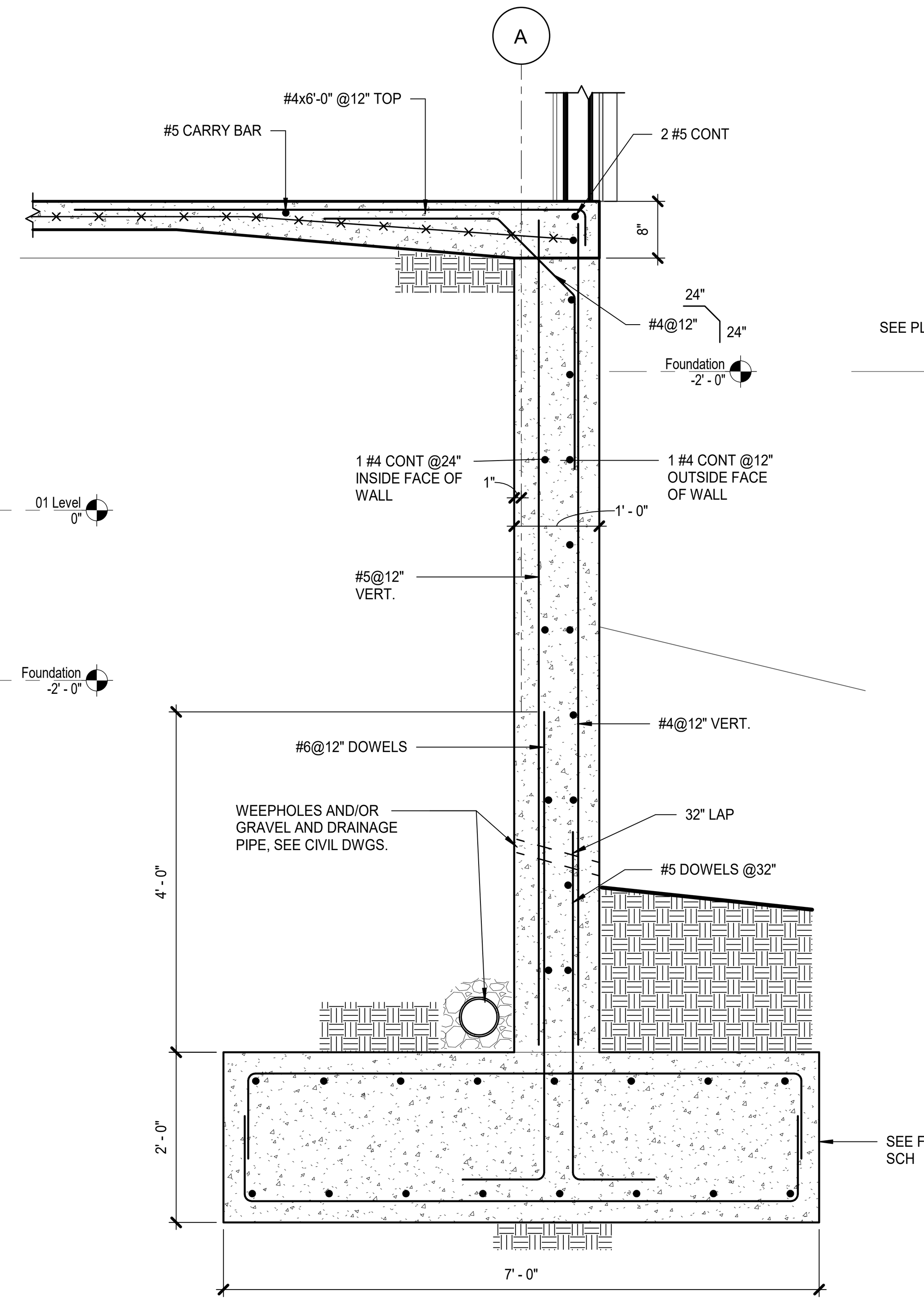
CHRISTOPHER S. CHILDERS LICENSED PROFESSIONAL ENGINEER NO. 50812 STATE OF FLORIDA
Christopher S. Childers, P.E.
Fla. Reg. No. 50812

Description: TYPICAL FOUNDATION DETAILS AND SCHEDULES

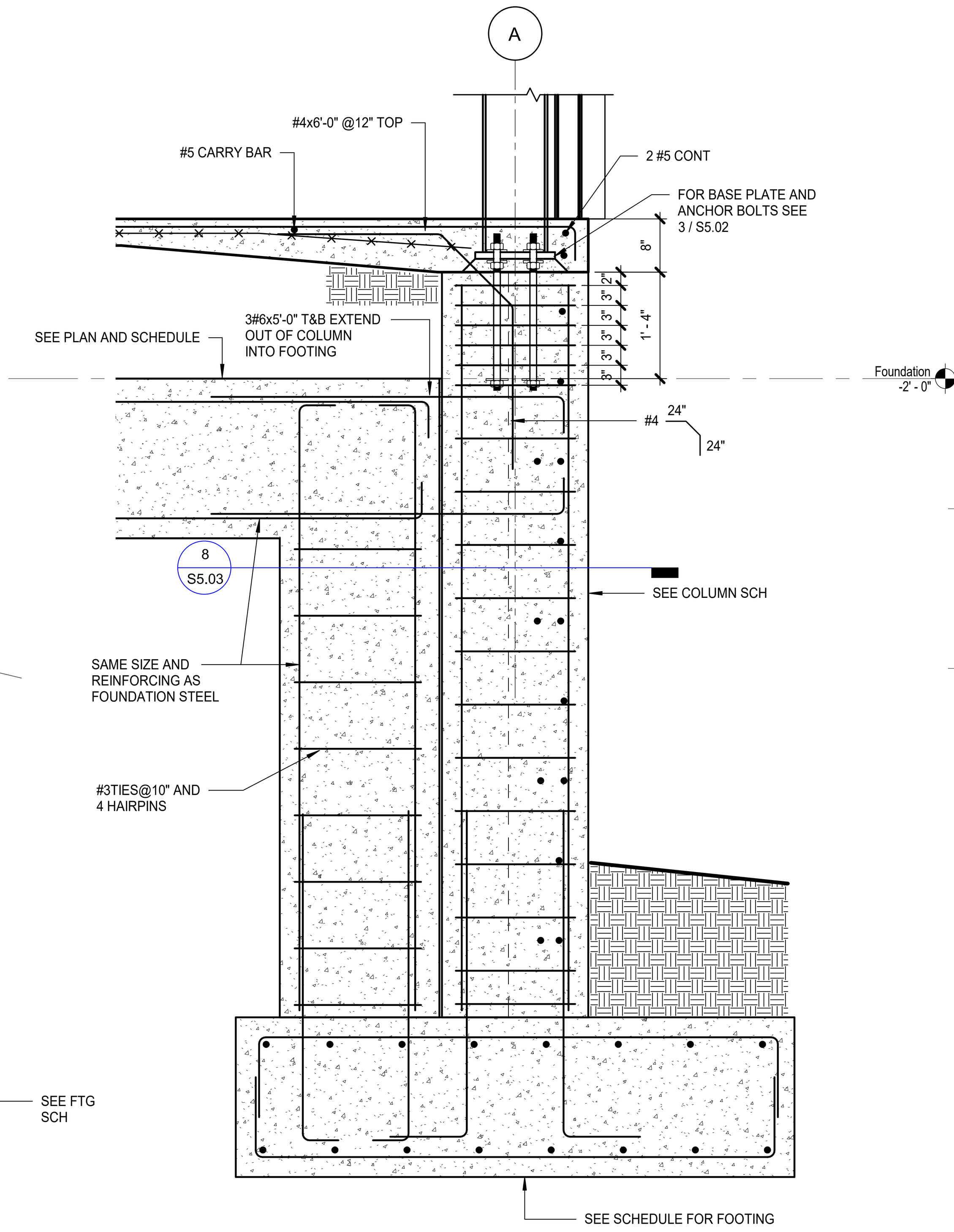
Sheet No.: S5.02



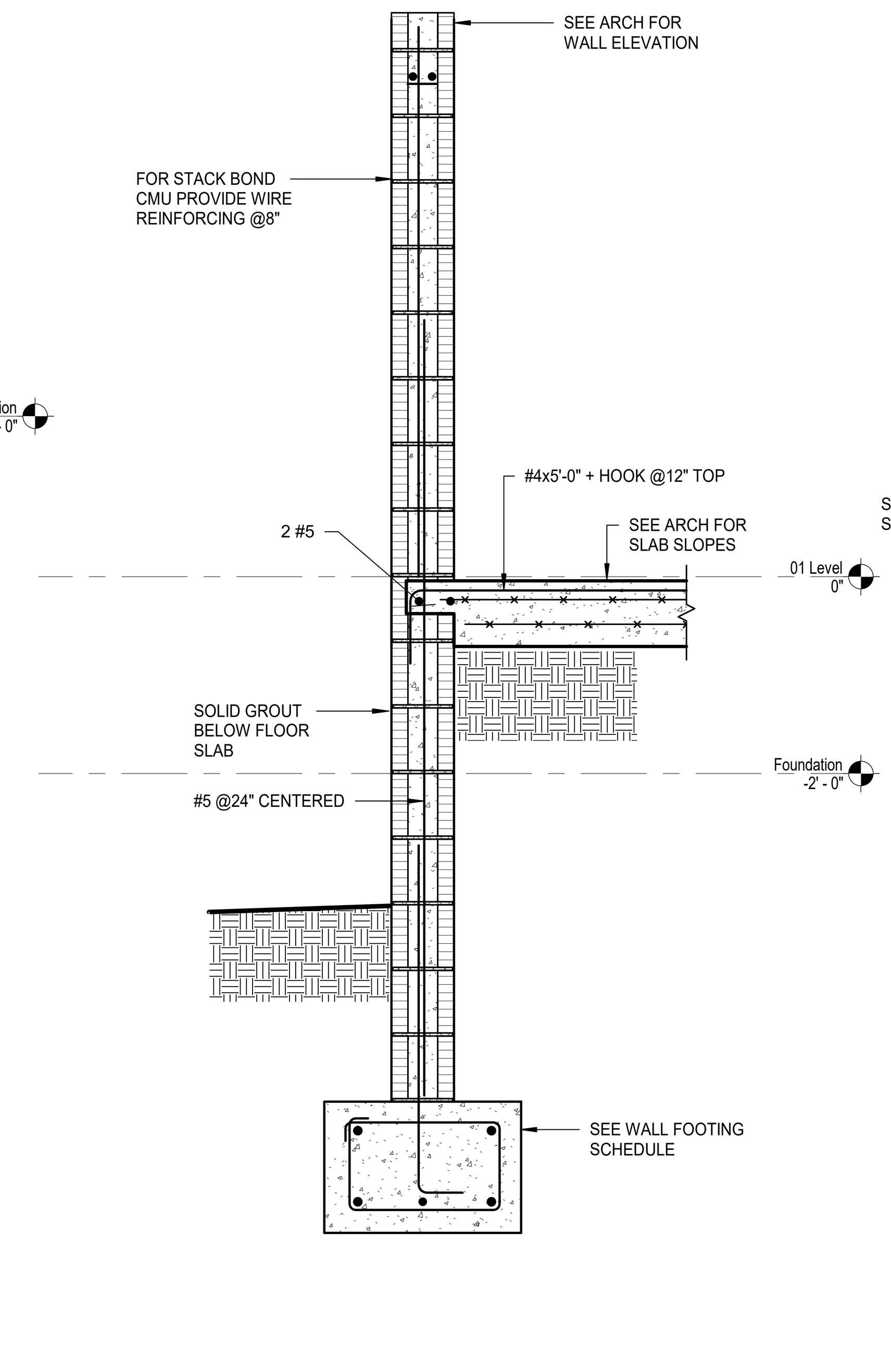
1 LOADING DOCK RAMP WALLS
3/4" = 1'-0"



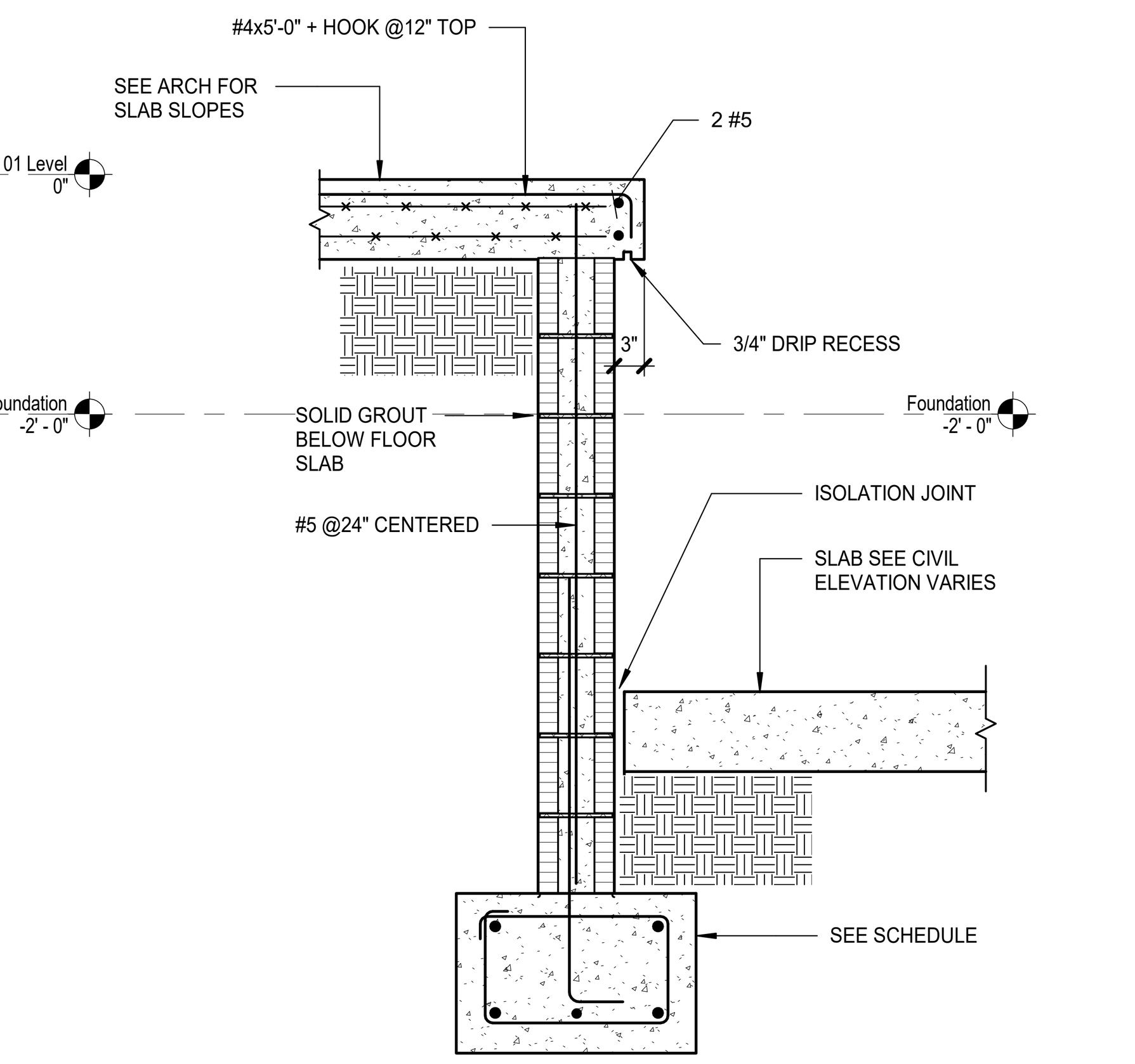
2 TYPICAL NORTH WALL
3/4" = 1'-0"



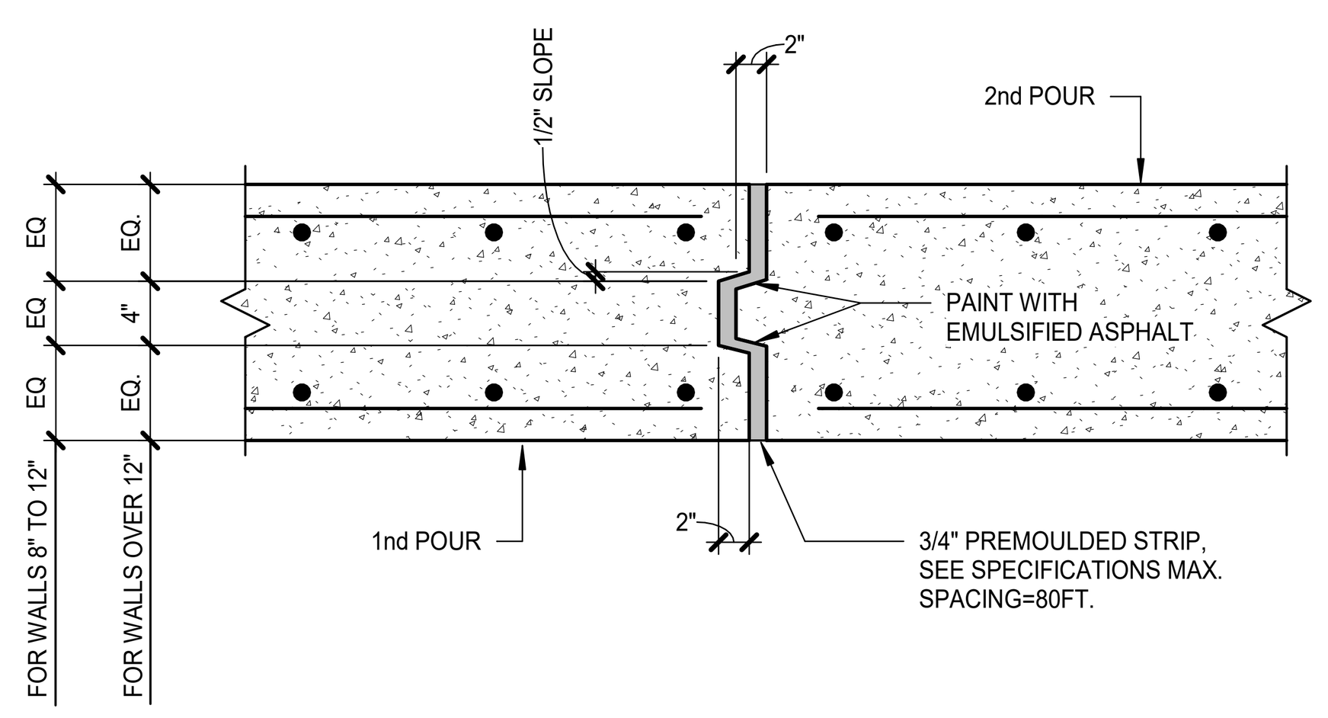
3 SECTION AT COLUMNS ALONG GRID A
3/4" = 1'-0"



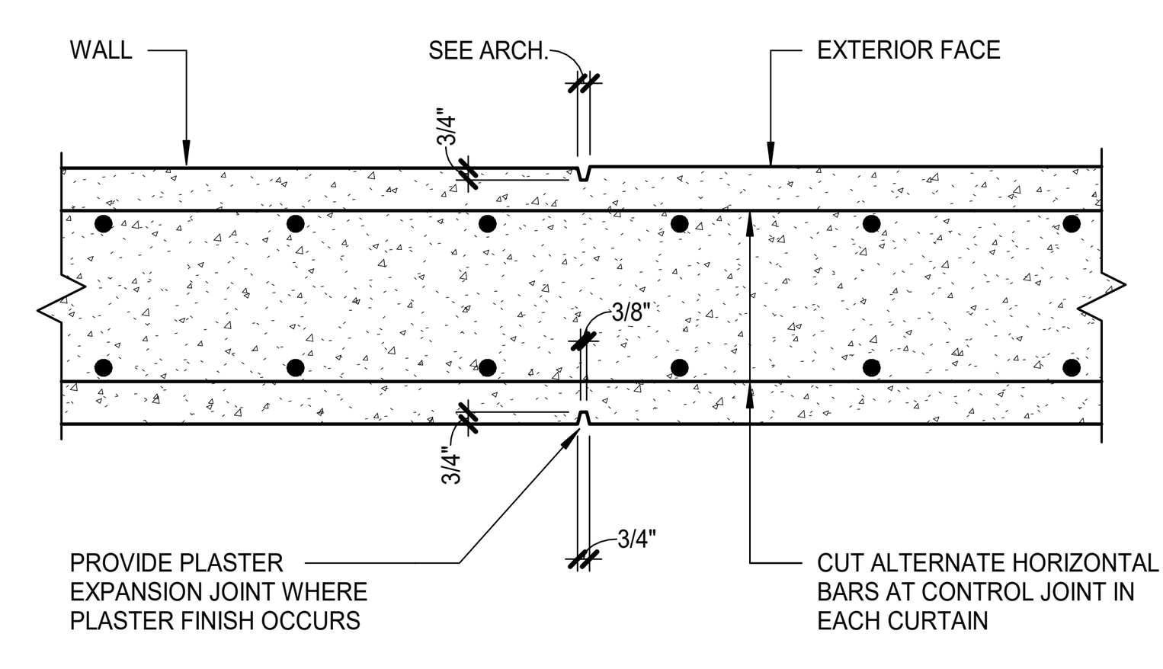
4 SHOP AREA SCREEN WALL
3/4" = 1'-0"



5 SECTION ALONG LOADING DOCK
3/4" = 1'-0"

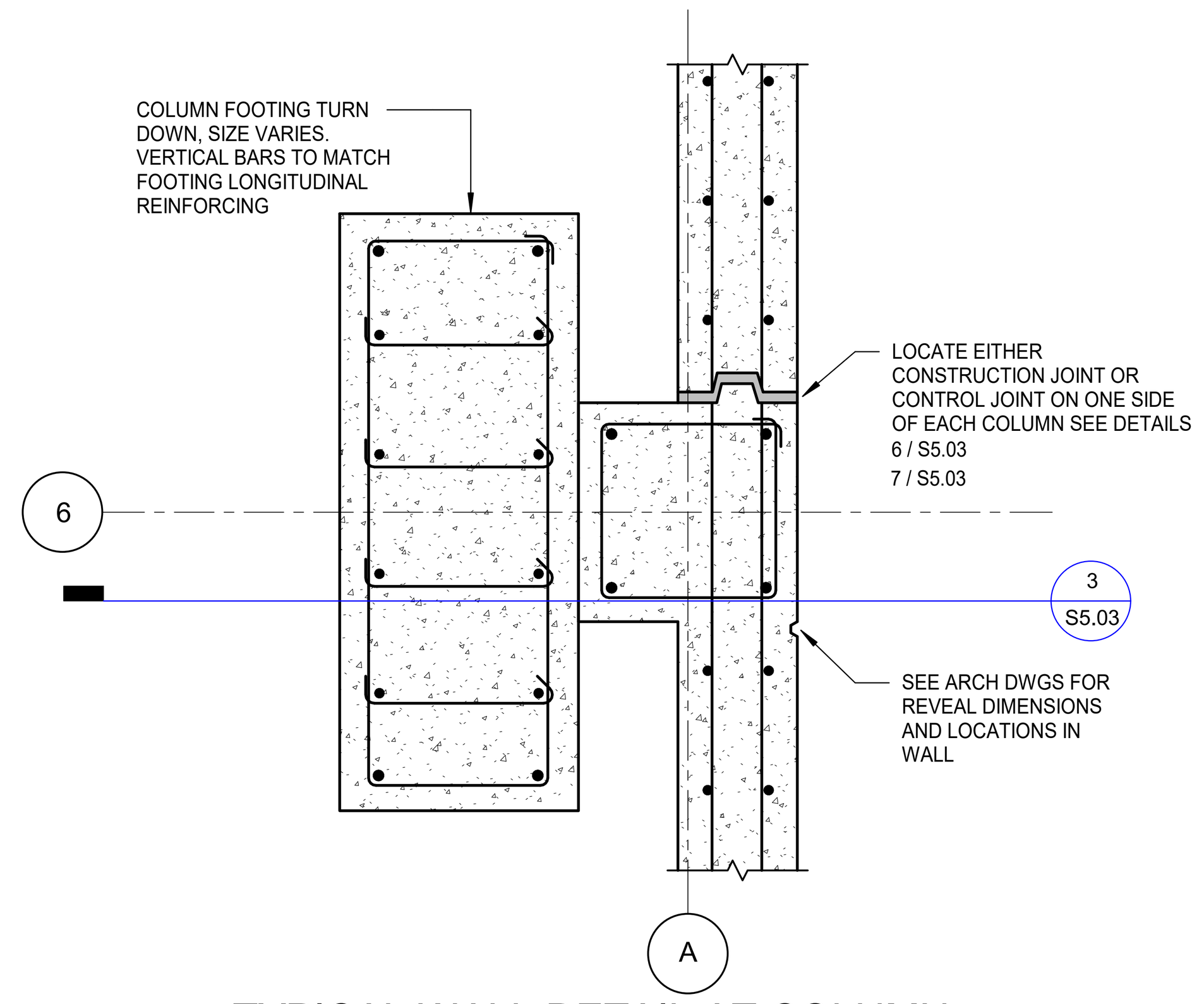


6 TYPICAL CONSTRUCTION JOINT
AT RETAINING WALL - PLAN VIEW
1" = 1'-0"

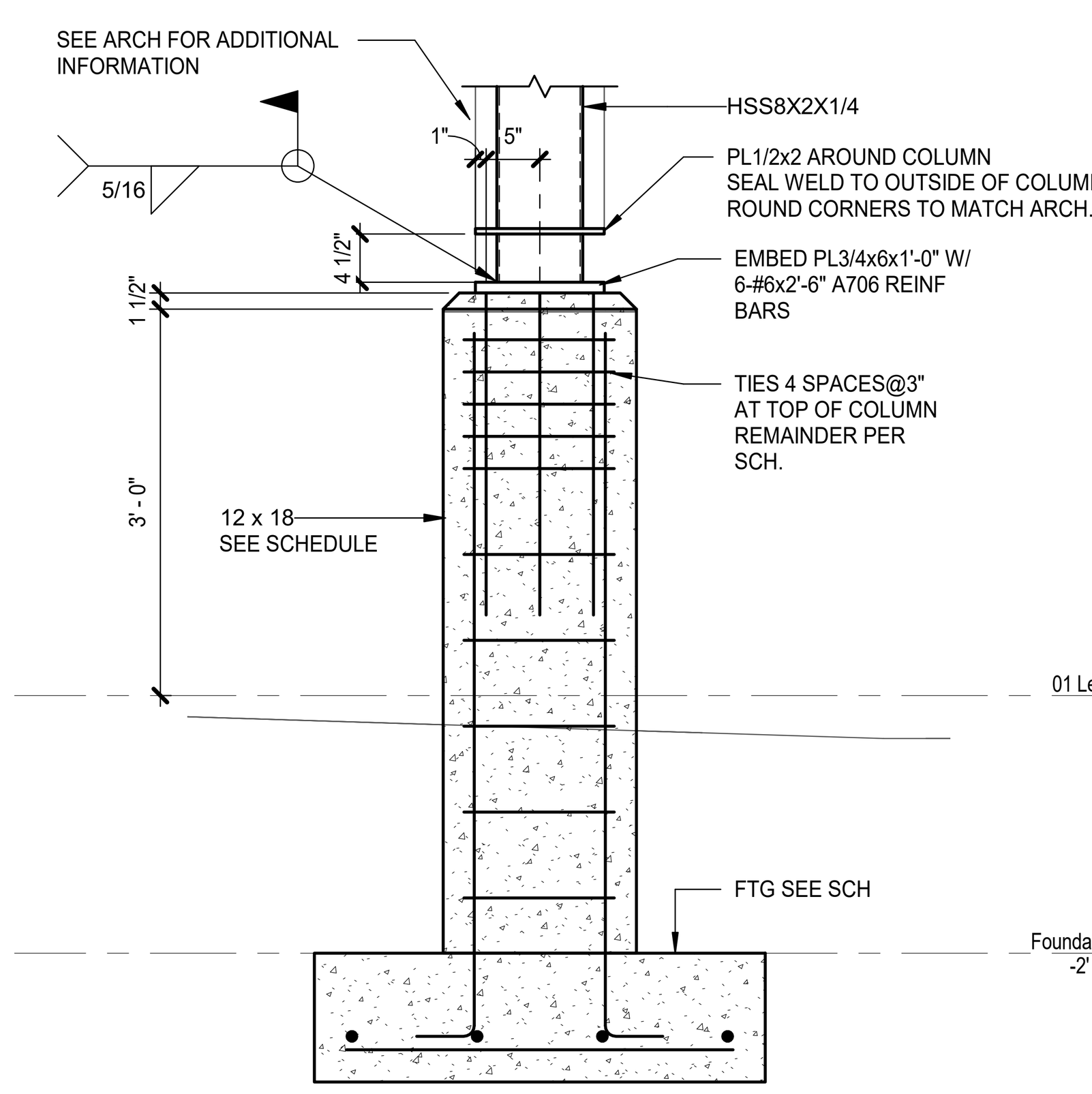


NOTE:
CONTROL JOINT TO BE LOCATED NOT OVER 20'-0" O.C. JOINT TO BE CONTINUOUS OVER TOP OF WALL. LOCATION TO BE COORDINATED WITH ANY PIPE COLUMNS IN WALL.

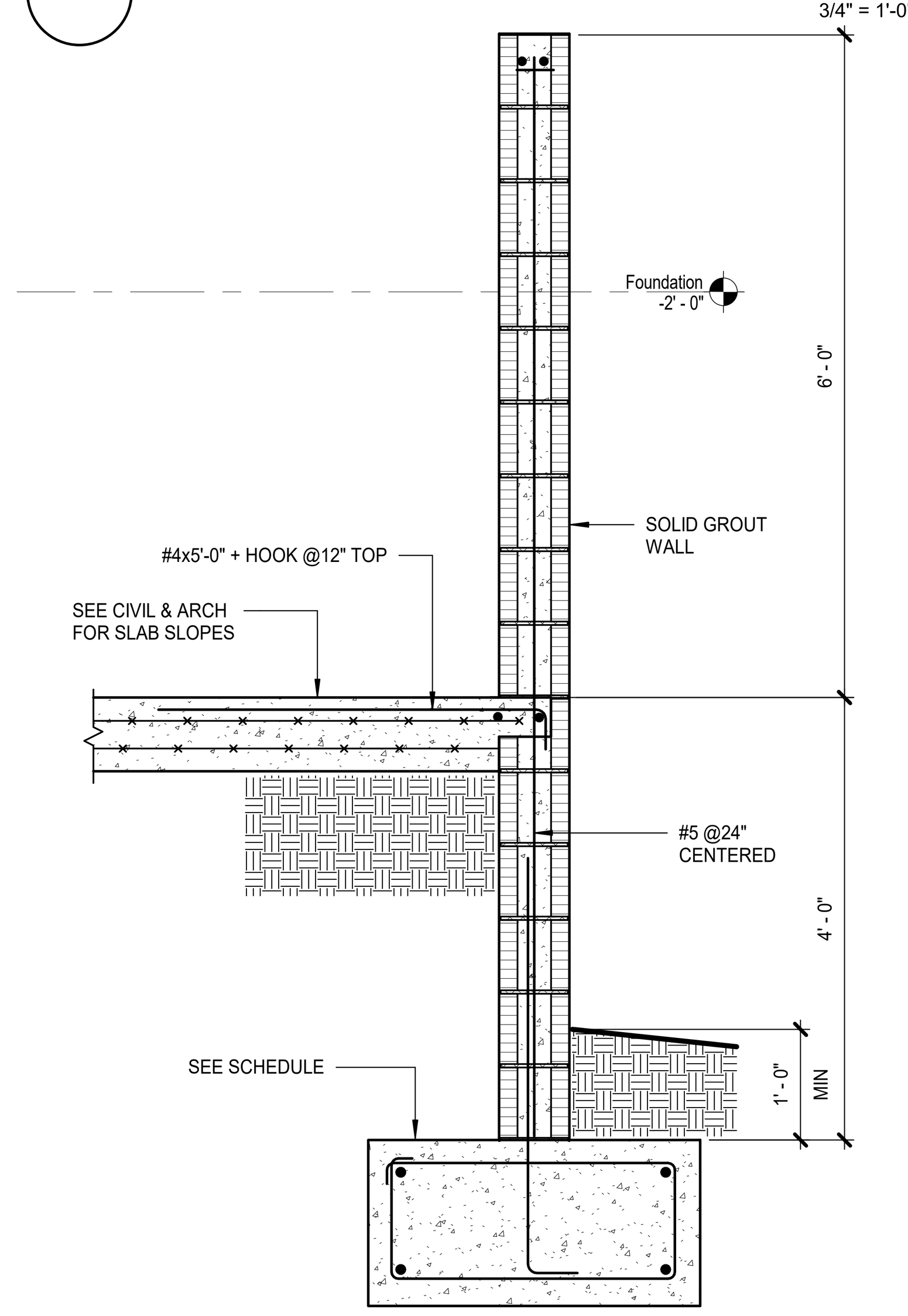
7 TYPICAL CONTROL JOINT
AT RETAINING WALL - PLAN VIEW
1" = 1'-0"



8 TYPICAL WALL DETAIL AT COLUMN PILASTERS
3/4" = 1'-0"



9 CANOPY FOUNDATION AND PIER
ALTERNATE 2A
3/4" = 1'-0"



10 DUMPSTER ENCLOSURE WALL
3/4" = 1'-0"

THESE DRAWINGS AND RENDERINGS ARE INSTRUMENTS OF SERVICE. THE DRAWINGS AND ASSOCIATED COPIES THEREOF INCLUDING ELECTRONIC MEDIA AND CADD FILES, ARE THE PROPERTY OF ARCHITECTS LEWIS + WHITLOCK, PA.A. THEIR USE, REPRESENTATION OR REPRODUCTION FOR ANY PURPOSE EXCEPT BY WRITTEN AGREEMENT WITH THE ARCHITECT IS PROHIBITED. THIS COPYRIGHT NOTIFICATION SHALL BE TREATED AS IF DIRECTLY PLACED ON EACH DRAWING EXHIBIT OR RENDERING ON THIS DOCUMENT AND SHALL NOT BE REMOVED FROM THESE DOCUMENTS.

PHASE:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT	TLC	CSC	07/30/2021
50% CONSTRUCTION DOCUMENTS	TLC	CSC	10/07/2021
100% CONSTRUCTION DOCUMENTS	TLC	CSC	12/09/2021
ADDENDUM 1			
ADDENDUM 2			

ID:	REVISION:	DATE:

TO THE BEST OF MY KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES.

Client:
Leon County R&D Authority
Tallahassee, Florida

Job Title:
North Florida Innovation Labs

Consultant:
BLISS & NYITRAY, INC.
STRUCTURAL ENGINEERS
Certificate of Authorization No. 674
227 N Bronough St., Suite 7300
Tallahassee, Florida 32301
T 850-222-4454 F 850-222-9425
www.bnengineers.com

Project #: 21414 / BNI No. 21T08
Phase: DESIGN DEVELOPMENT

ALW
Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net

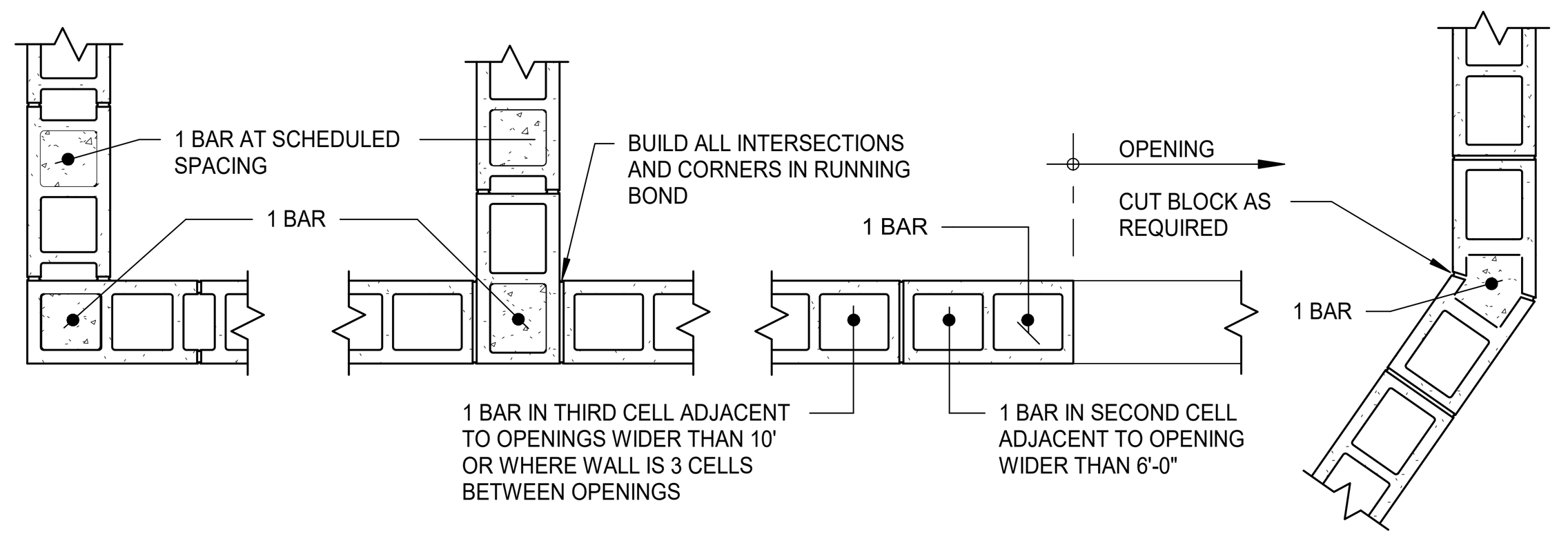
CHRISTOPHER S. CHILDERS LICENSE NO. 50812 STATE OF FLORIDA PROFESSIONAL ENGINEER
Christopher S. Childers, P.E.
Fla. Reg. No. 50812

Description:
FOUNDATION DETAILS

Sheet No.:
S5.03

NOTES:

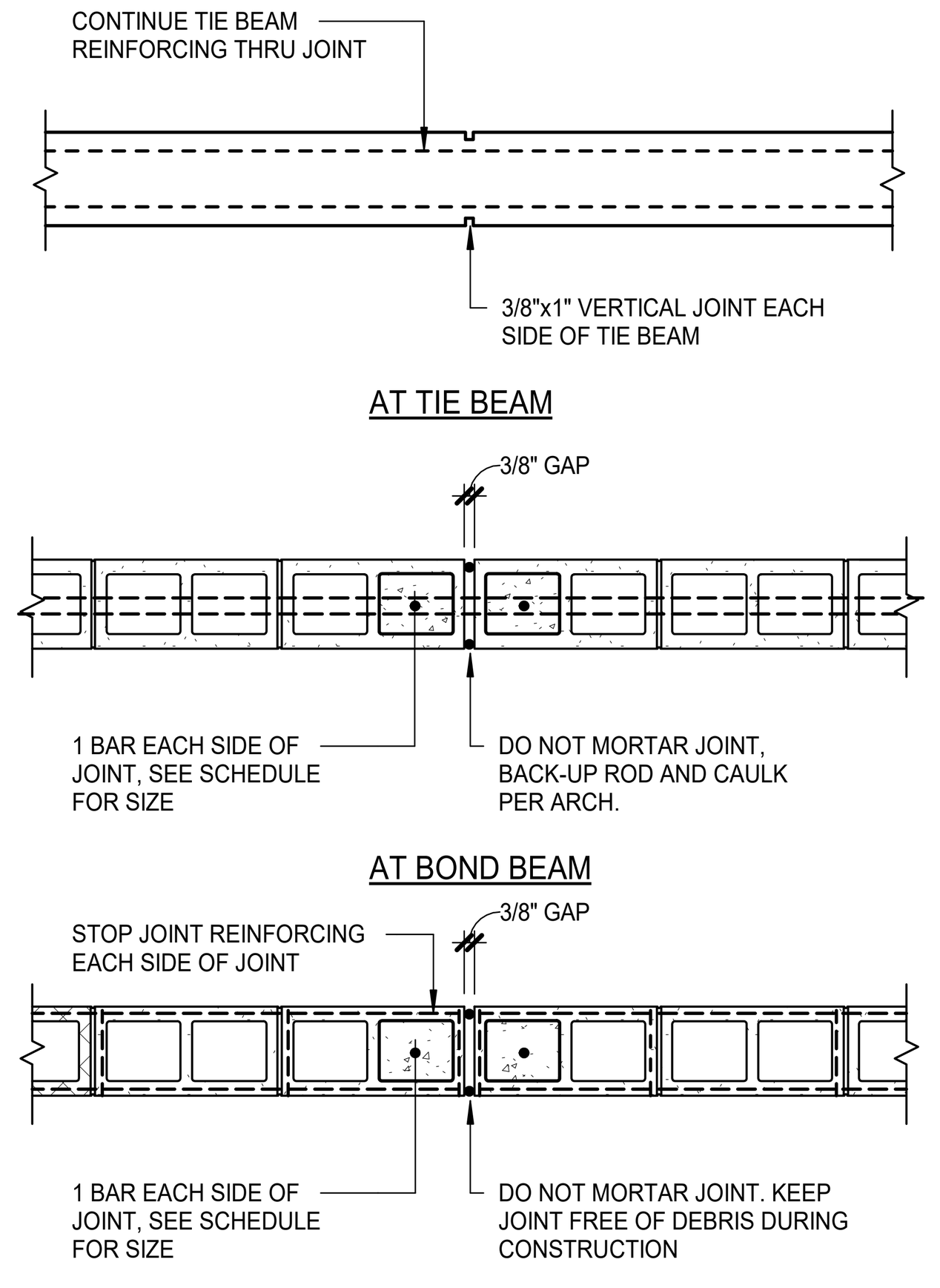
1. SEE "MASONRY NOTES" FOR JOINT REINFORCEMENT, INCLUDING PREFABRICATED CORNERS AND TEES.
2. BUILD ALL INTERSECTIONS AND CORNERS IN RUNNING BOND.



AT CORNERS | AT INTERSECTIONS | AT OPENINGS

1 8" MASONRY WALL REINFORCING

NO REQUIRED IN REINFORCED WALLS — 3/4" = 1'-0"



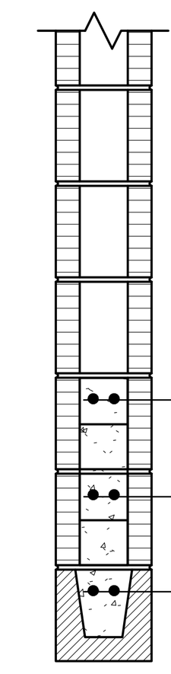
NOTE:
20'-0" O.C. (MAX.) TYP. U.O.N.

2 MASONRY CONTROL JOINT DETAILS

3/4" = 1'-0"

NOTE:

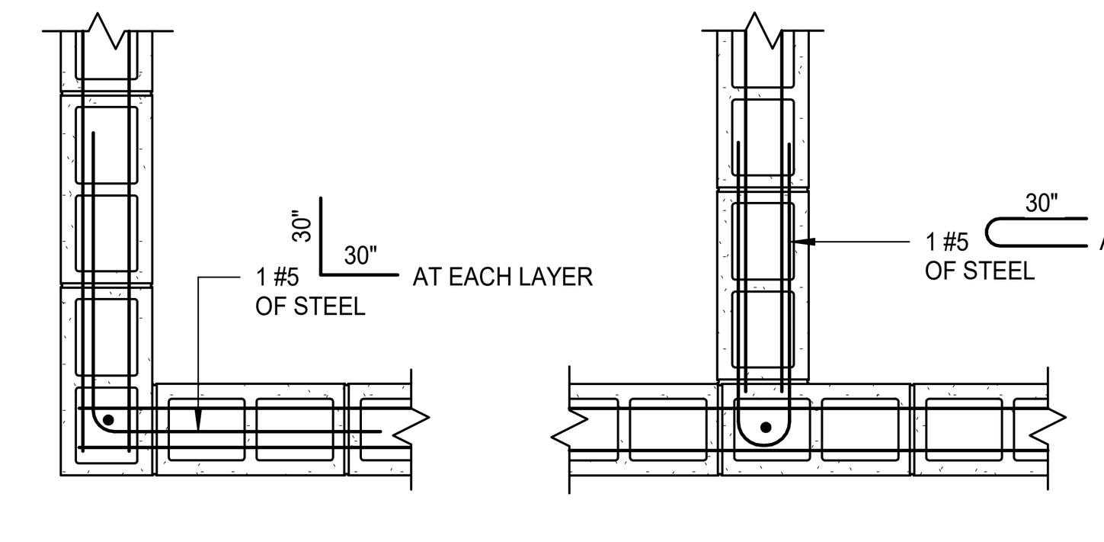
1. MINIMUM LINTEL BEARING 8" EACH END.
2. EXTEND BARS 6" BEYOND FACE OF SUPPORT.



FOR INTERIOR WALLS

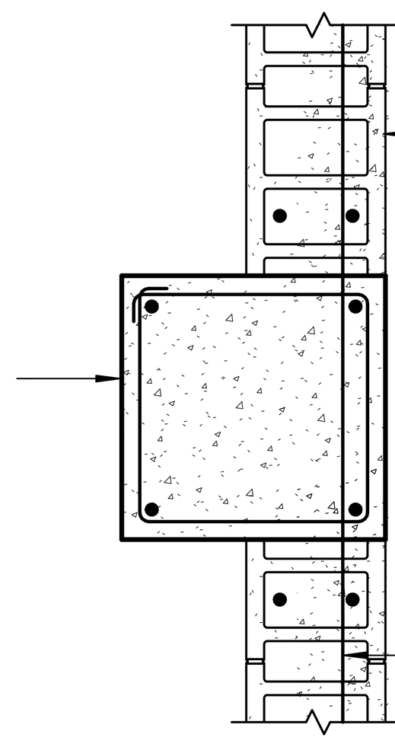
3 TYPICAL LINTEL DETAIL

SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS — 3/4" = 1'-0"



4 BOND BEAM REINFORCING

PLAN VIEWS — 3/4" = 1'-0"



5 CONCRETE PEDESTAL IN CMU WALL

PLAN VIEW — 3/4" = 1'-0"

ID:	REVISION:	DATE:

PHASE:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT	TLC	CSC	07/30/2021
50% CONSTRUCTION DOCUMENTS	TLC	CSC	10/07/2021
100% CONSTRUCTION DOCUMENTS	TLC	CSC	12/09/2021
ADDENDUM 1			
ADDENDUM 2			

TO THE BEST OF MY KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES.

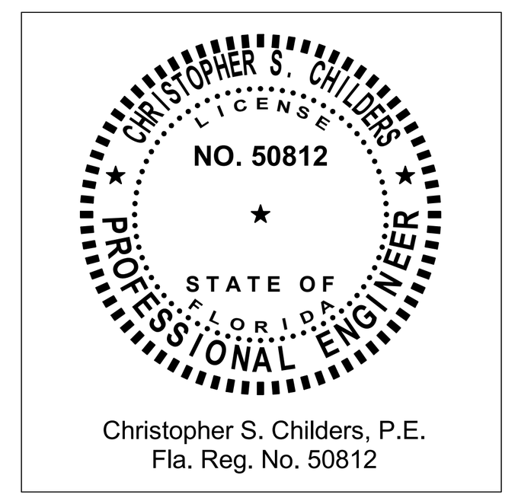
Client:
Leon County R&D Authority
Tallahassee, Florida

Job Title:
North Florida Innovation Labs

Consultant:
BLISS & NYITRAY, INC.
STRUCTURAL ENGINEERS
Certificate of Authorization No. 674
227 N Bronough St., Suite 7300
Tallahassee, Florida, 32301
T 850-222-4454 F 850-222-9425
www.bniengineers.com

Project #: 21414 / BNI No. 21T08
Phase: DESIGN DEVELOPMENT

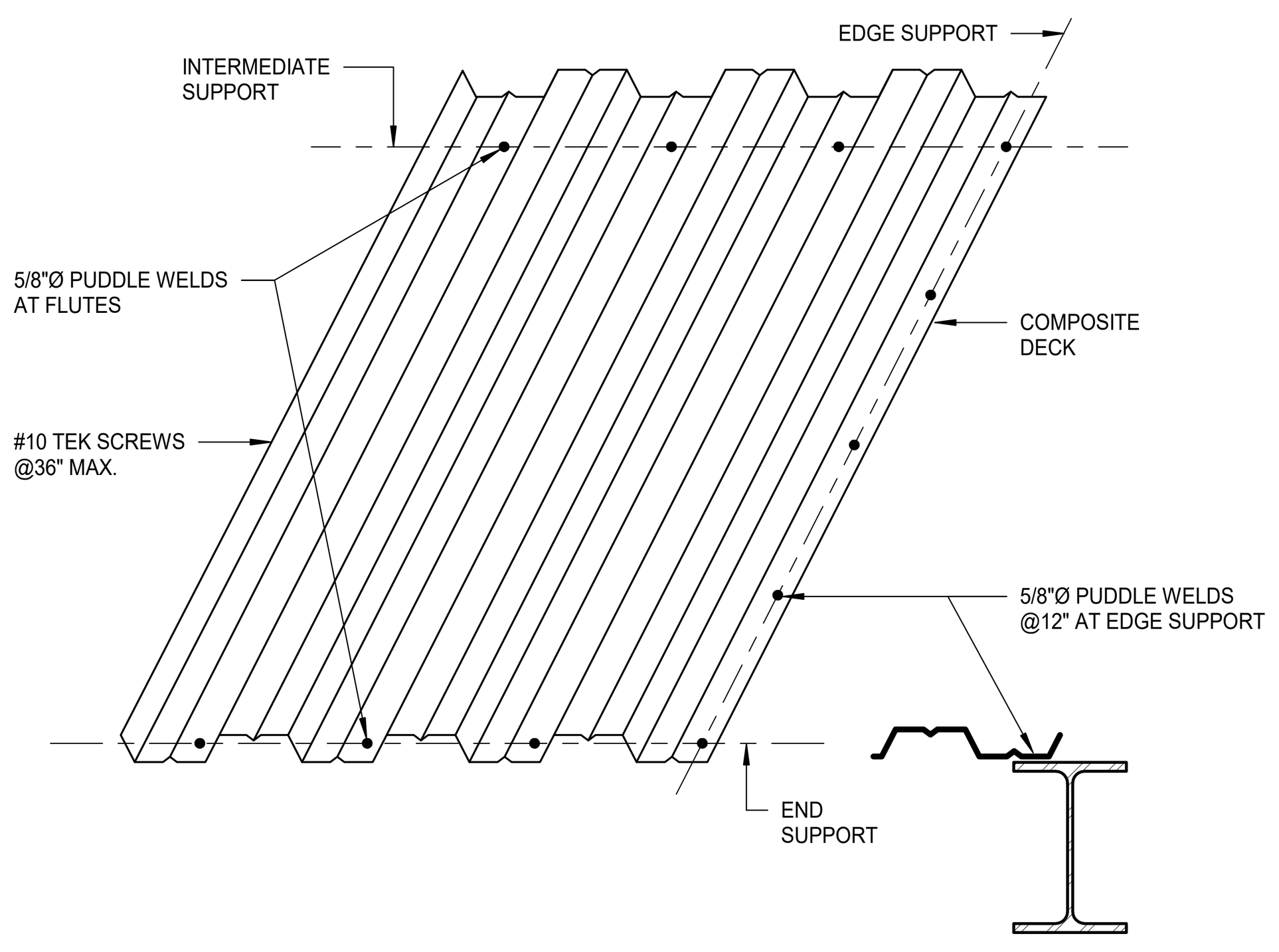
ALW
Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net



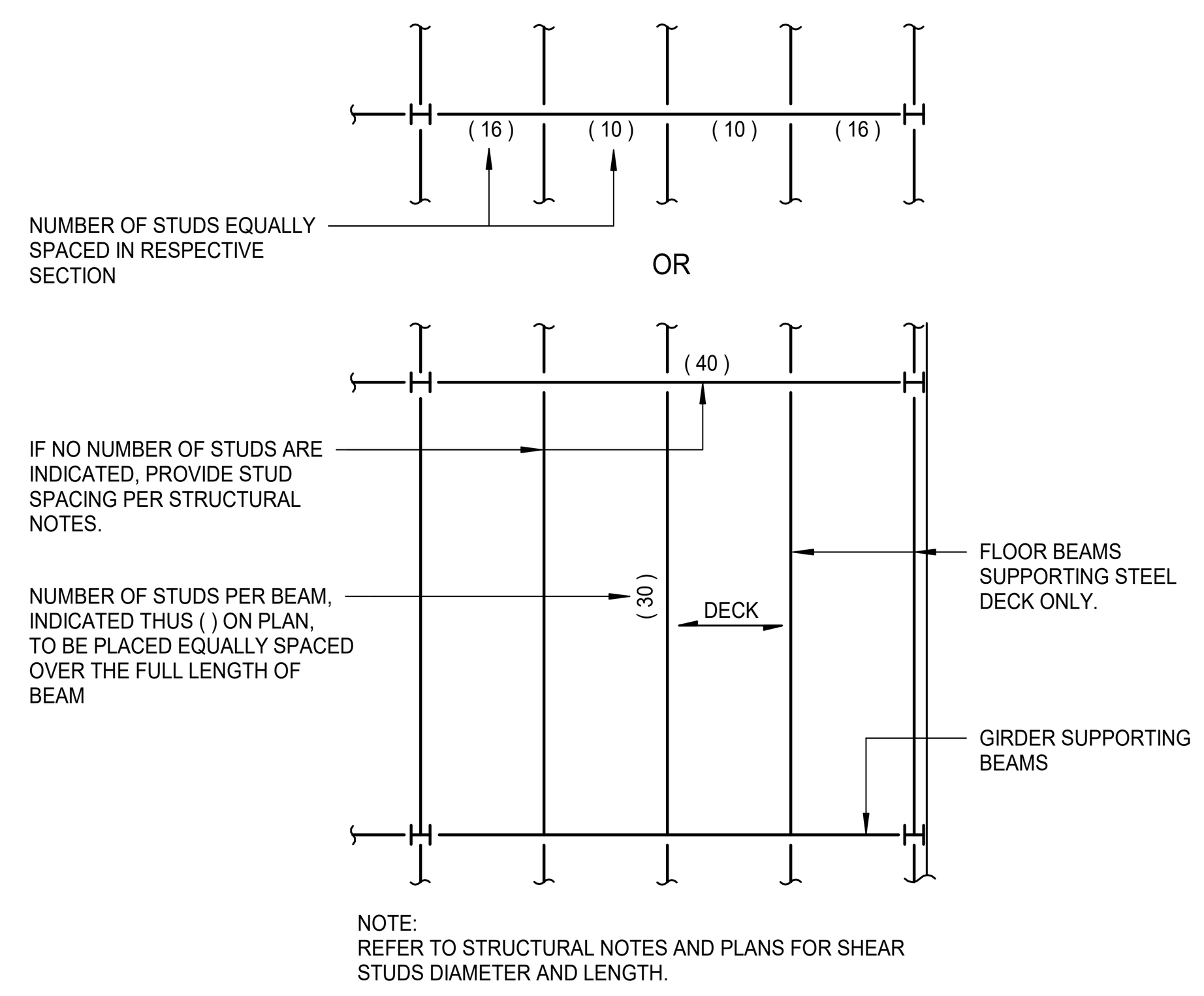
Christopher S. Childers, P.E.
Fla. Reg. No. 50812

Description:
MASONRY DETAILS

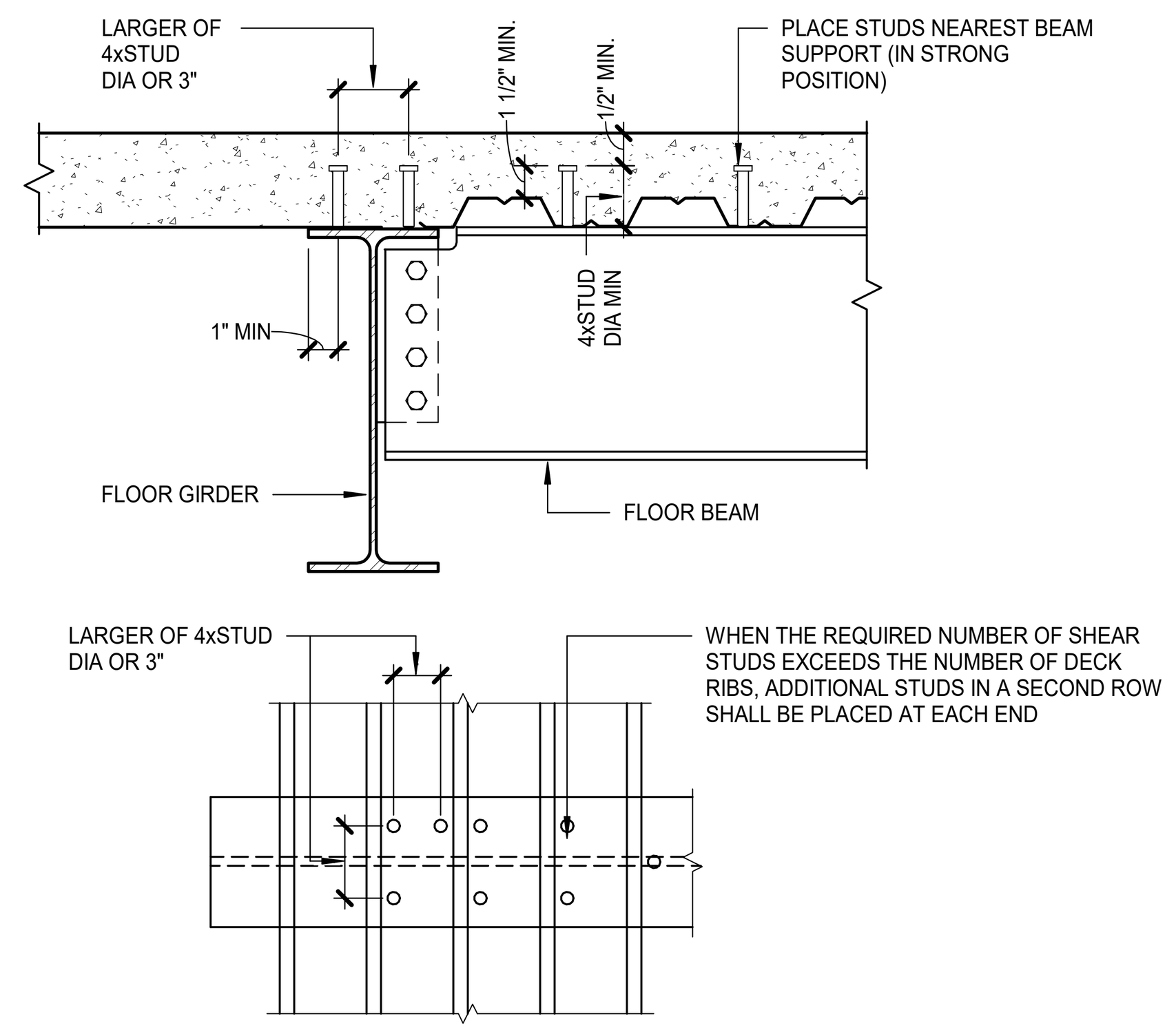
Sheet No.:
S5.11



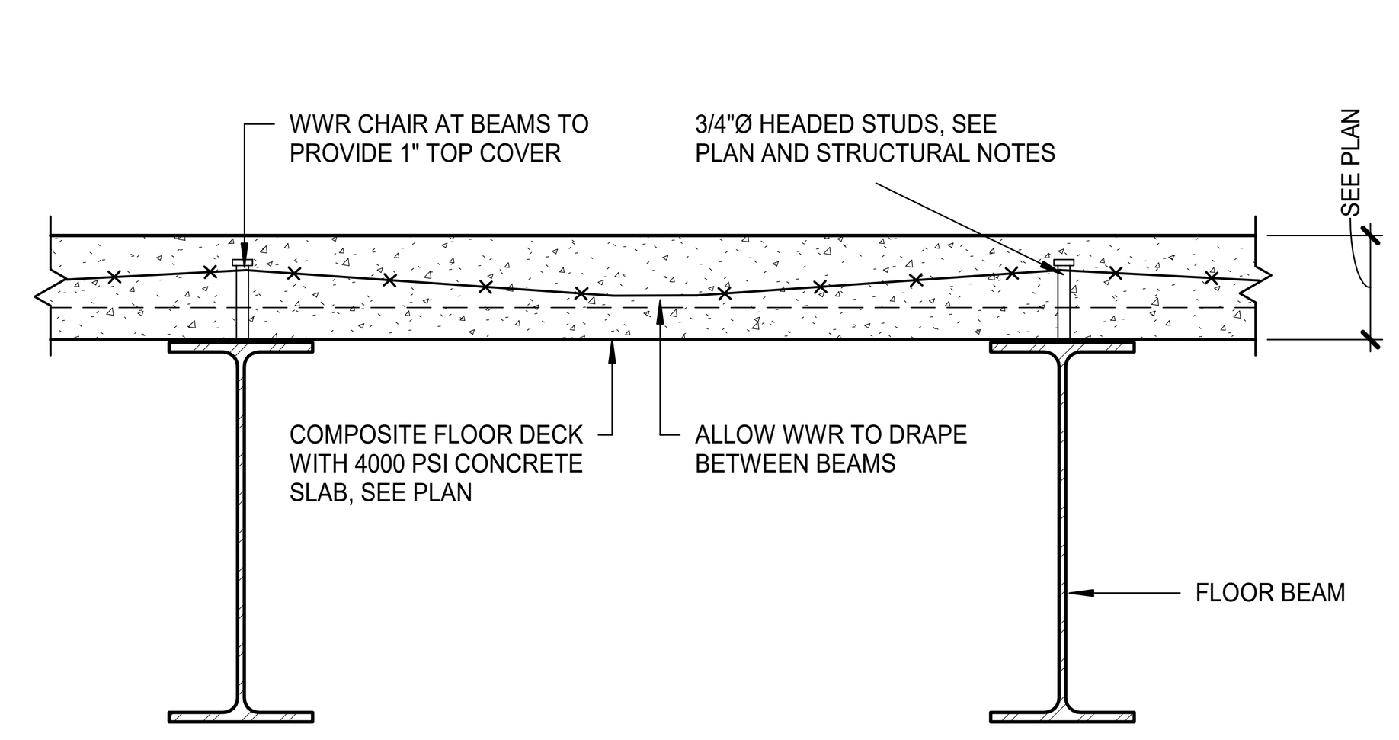
1 COMP DECK ATTACHMENT
1" = 1'-0"



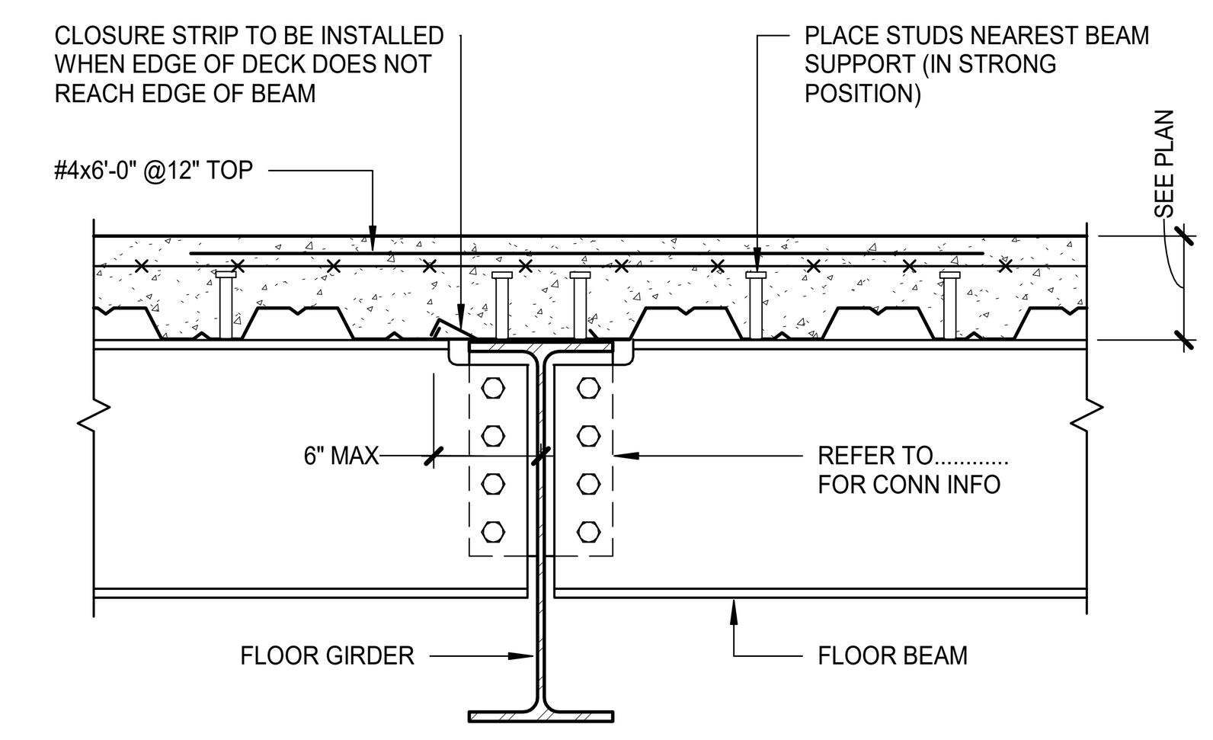
2 SHEAR STUDS PLACEMENT PLAN
1" = 1'-0"



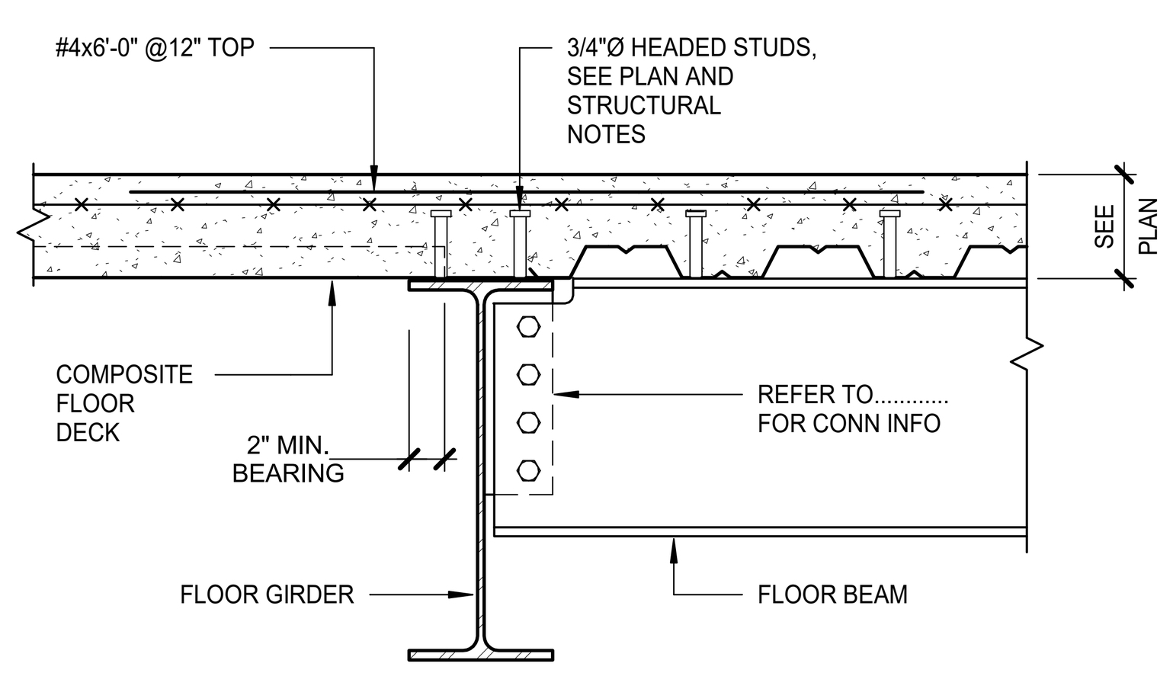
3 SHEAR STUDS PLACEMENT PLAN
1" = 1'-0"



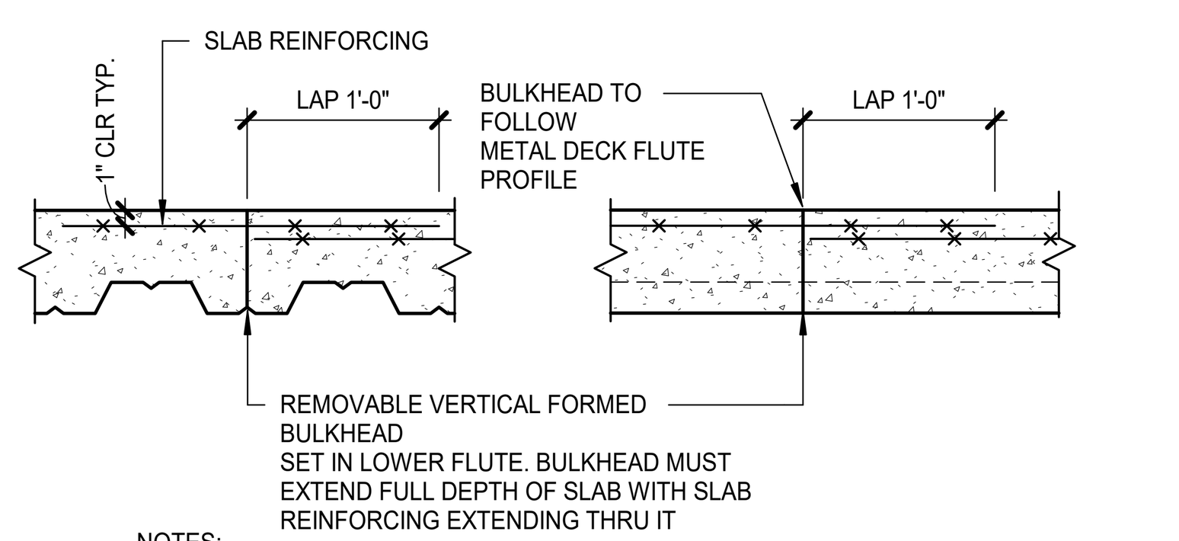
4 SLAB ON METAL DECK
AT TYPICAL FLOOR BEAMS
1" = 1'-0"



5 GIRDER WITH BEAMS BOTH SIDES
1" = 1'-0"



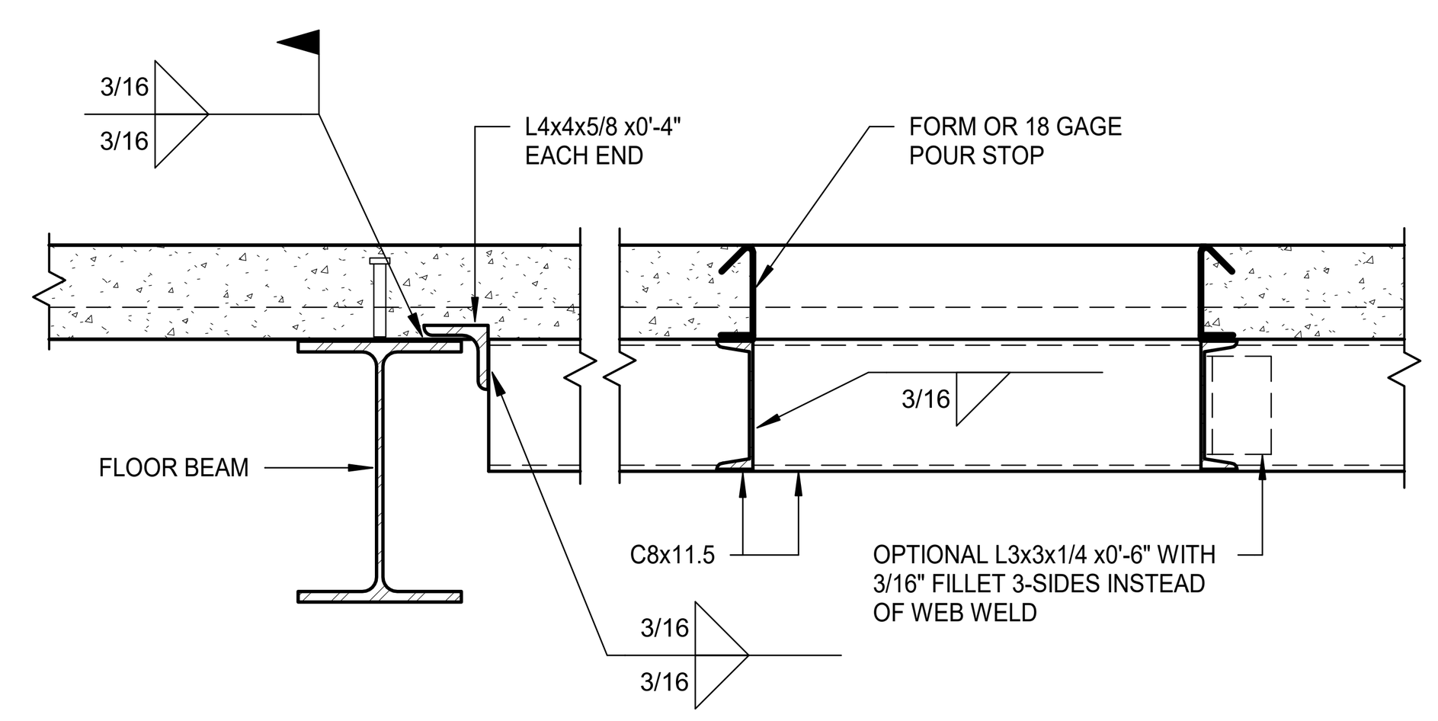
6 GIRDER WITH BEAMNS ONE SIDE
1" = 1'-0"



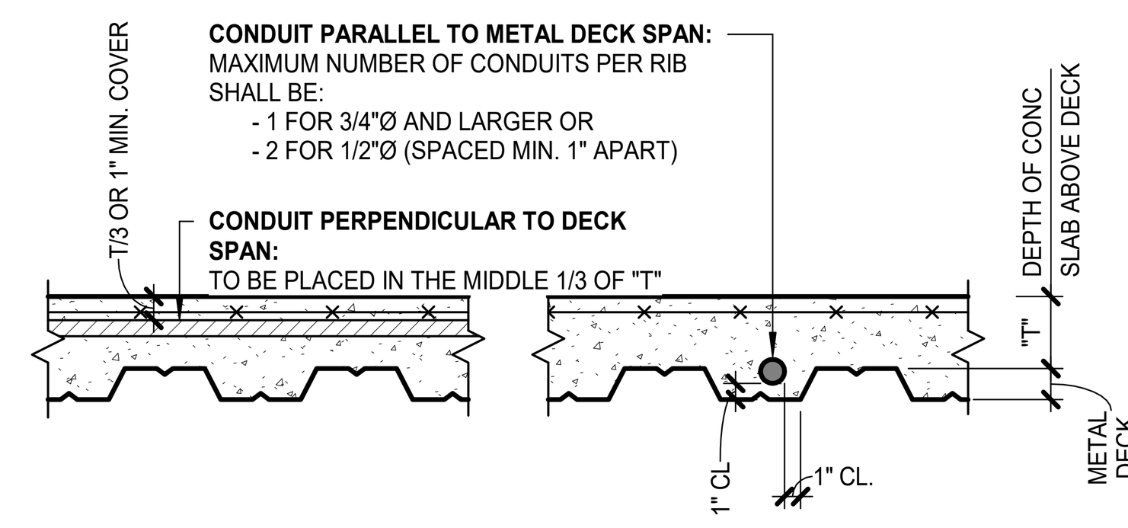
NOTES:

1. CONSTRUCTION JOINTS PARALLEL TO DECK FLUTES SHALL BE LOCATED NO CLOSER THAN 5'-0" FROM THE CENTER LINE OF THE NEAREST GIRDER.
2. CONSTRUCTION JOINTS PERPENDICULAR TO DECK FLUTES SHALL BE LOCATED AT THE CENTER LINE OF THE METAL DECK SPAN.
3. AT THE CONTRACTOR'S OPTION, PERFORMED METALSHEAR KEY FOLLOWING CONTOUR OF METAL DECK, FLUTES MAY BE USED WITH SLAB REINFORCING STOPPING EACH SIDE AND #3 DOWELS x2'-0" (CENTERED ON JOINT) AT 18".

7 CONST. JOINT COMPOSITE SLAB
1" = 1'-0"



8 FLOOR OPENING DETAIL
EXCEEDING 16" MEASURED PERP. TO DECK RIBS
1" = 1'-0"



NOTES:

1. CONDUIT TO BE PVC OR GALVANIZED STEEL. NO ALUMINUM CONDUIT ALLOWED
2. REFER TO MEP DRAWINGS FOR LOCATION AND SIZE OF CONDUITS
3. PROVIDE CHAIRS TO SUPPORT ALL CONDUITS
4. PROVIDE MINIMUM 18" O.C. CLEARANCE BETWEEN CONDUITS.
5. MAXIMUM CONDUIT OUTSIDE DIAMETER = T/3 OR 1/2" MAX. PREPARE AND SUBMIT SHOP DRAWINGS TO STRUCTURAL ENGINEER FOR REVIEW WHEN LARGER CONDUITS ARE REQUIRED.

9 TYPICAL DETAIL FOR CONDUITS IN SLAB
1" = 1'-0"

ID:	REVISION:	DATE:

PHASE:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT	TLC	CSC	07/30/2021
50% CONSTRUCTION DOCUMENTS	TLC	CSC	10/07/2021
100% CONSTRUCTION DOCUMENTS	TLC	CSC	12/09/2021
ADDENDUM 1			
ADDENDUM 2			

TO THE BEST OF MY KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES.

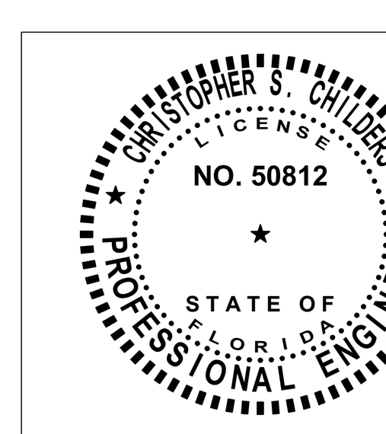
Client:
Leon County R&D Authority
Tallahassee, Florida

Job Title:
North Florida Innovation Labs

Consultant:
BLISS & NYITRAY, INC.
STRUCTURAL ENGINEERS
Certificate of Authorization No. 674
227 N Bronough St., Suite 7300
Tallahassee, Florida, 32301
T 850-222-4454 F 850-222-9425
www.bnengineers.com

Project #: 21414 / BNI No. 21T08
Phase: DESIGN DEVELOPMENT

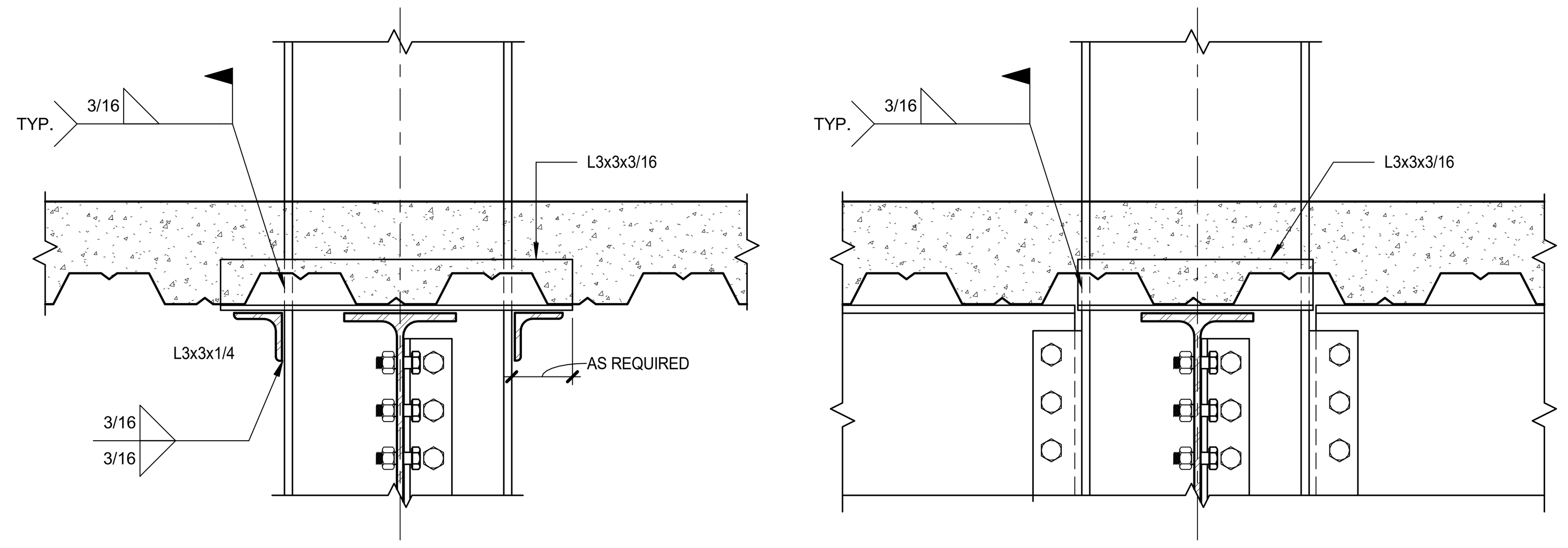
Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net



Christopher S. Childers, P.E.
Fla. Reg. No. 50812

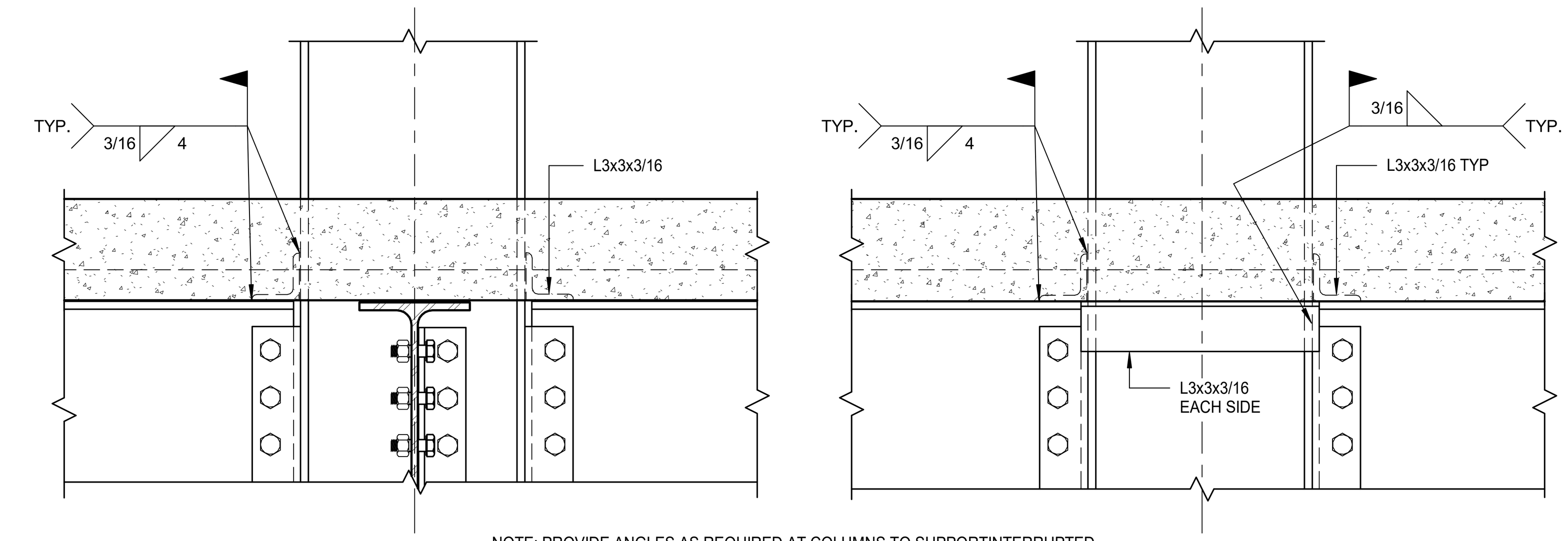
Description:
STEEL DETAILS

Sheet No.:
S6.01



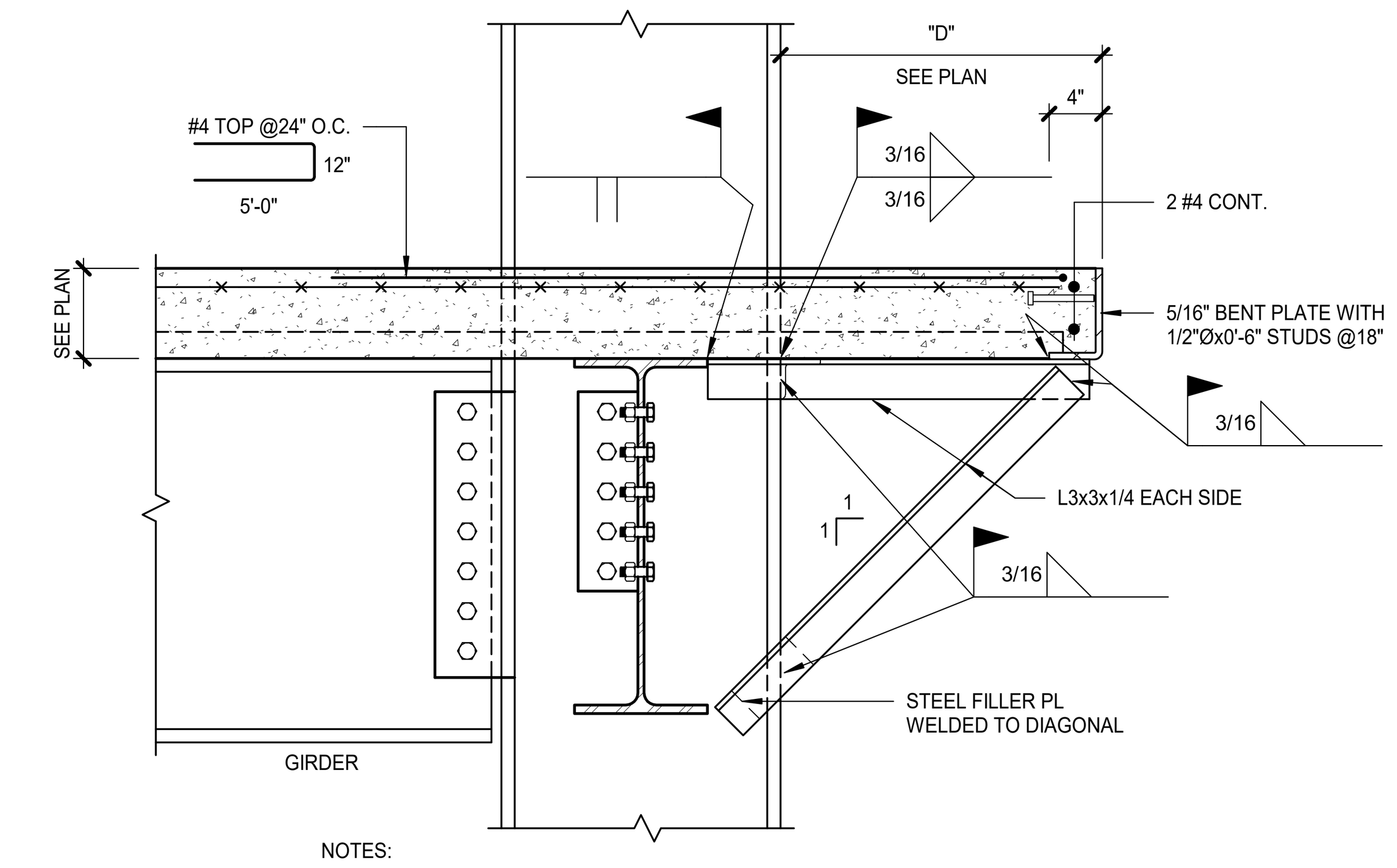
NOTE: PROVIDE ANGLES AS REQUIRED AT COLUMNS TO SUPPORTINTERRUPTED DECK.

1 SUPLEMENTARY DECK SUPPORT
FRAMING AT COLUMNS DECK SPAN PARALLEL TO COLUMN FLANGES — 1 1/2" = 1'-0"



NOTE: PROVIDE ANGLES AS REQUIRED AT COLUMNS TO SUPPORTINTERRUPTED DECK.

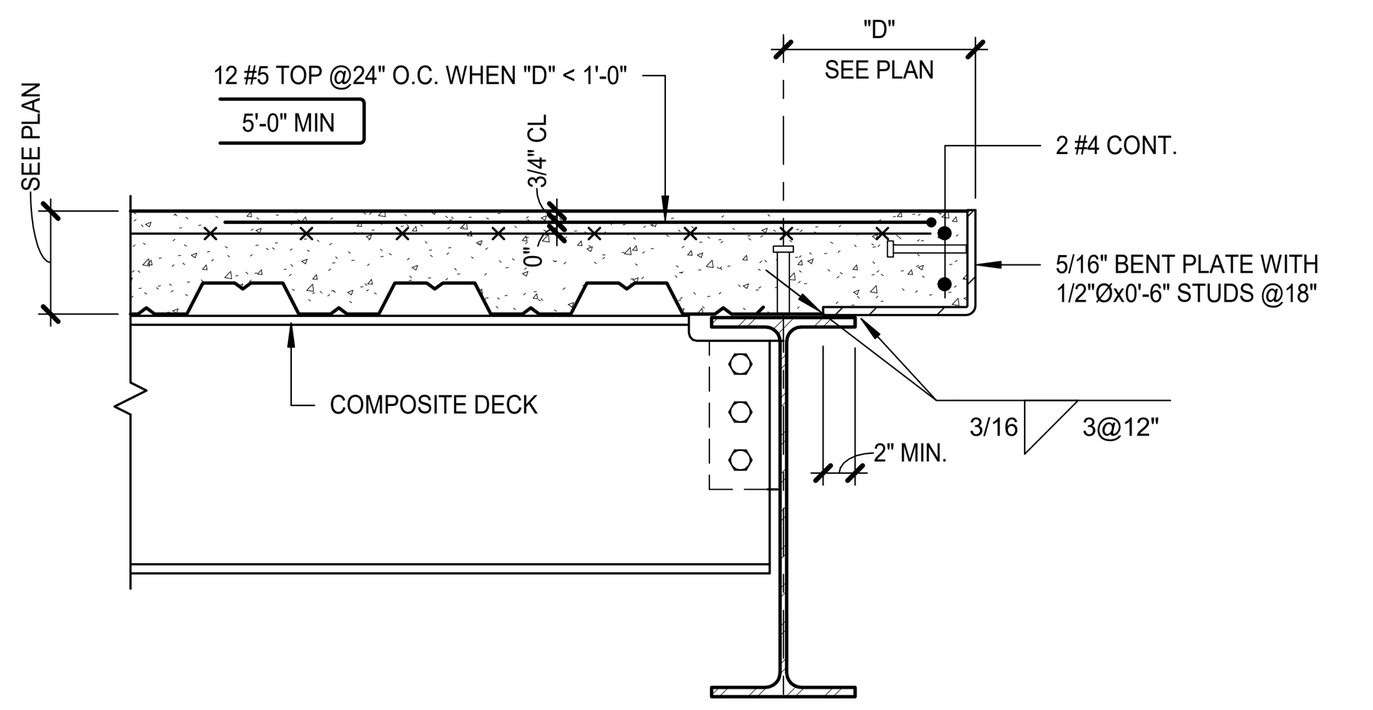
2 SUPPLEMENTARY DECK SUPPORT
FRAMING AT COLUMNS DECK SPAN PARALLEL TO COLUMN WEB — 1 1/2" = 1'-0"



NOTES:

1. THIS DETAILS IS NOT APPLICABLE WHEN DISTANCE "D" EXCEEDS 1'-0"
2. OMIT ADDED TOP REINFORCING WHEN "D" IS LESS THAN OR EQUAL TO 1/2 BEAM FLANGE WIDTH +1"

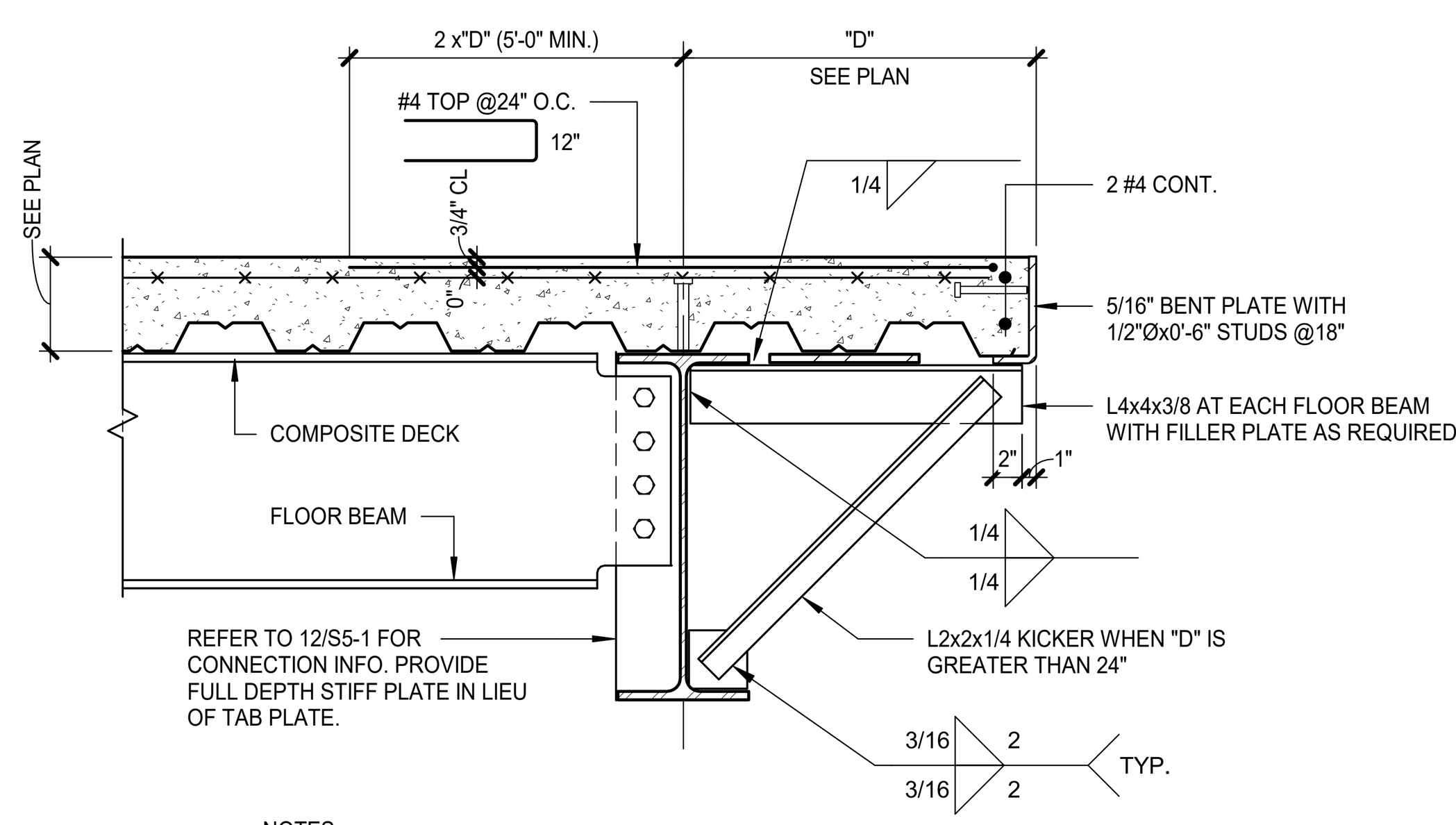
3 SUPPLEMENTARY DECK SUPPORT
FRAMING AT COLUMNS — 1" = 1'-0"



NOTES:

1. THIS DETAILS IS NOT APPLICABLE WHEN DISTANCE "D" EXCEEDS 1'-0"
2. OMIT ADDED TOP REINFORCING WHEN "D" IS LESS THAN OR EQUAL TO 1/2 BEAM FLANGE WIDTH +1"

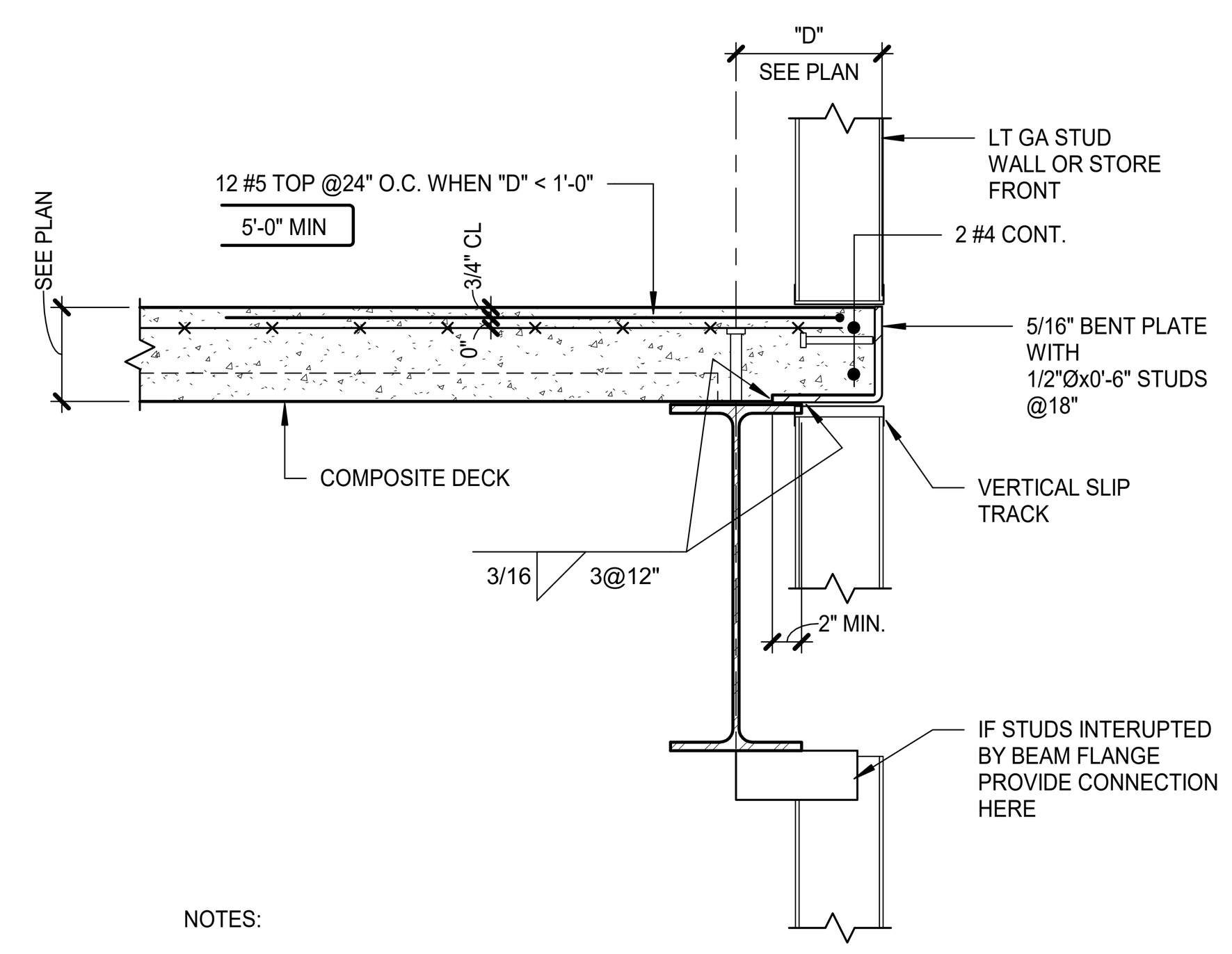
4 COMPOSITE SLAB EDGE
DECK SPAN PARALLEL TO BEAM WITH BENT PLATE — 1" = 1'-0"



NOTES:

1. OMIT ADDED TOP REINFORCING WHEN "D" IS LESS THAN OR EQUAL TO 1/2 BEAM FLANGE WIDTH +1"

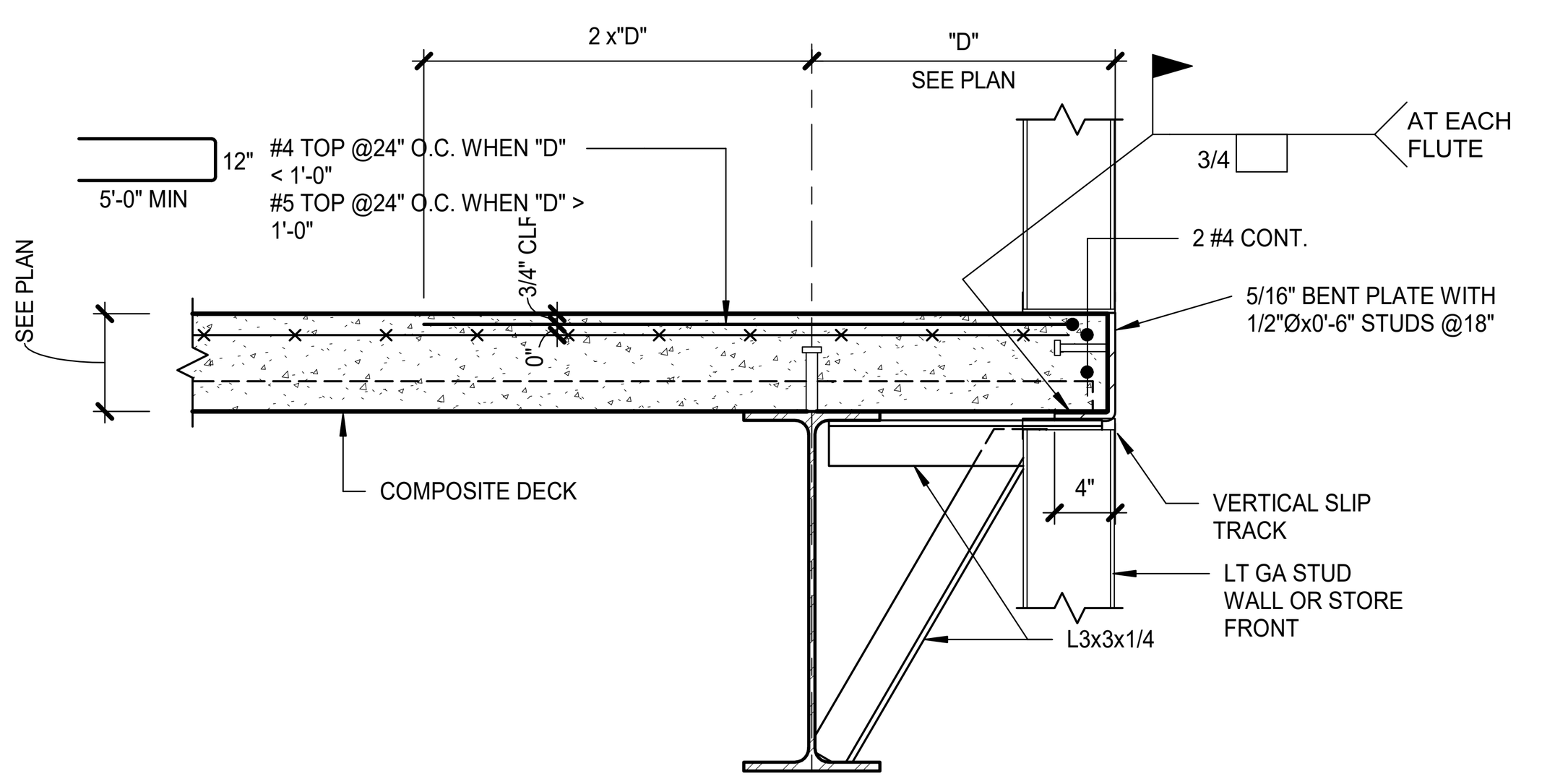
5 COMPOSITE SLAB EDGE
DECK SPAN PARALLEL TO BEAM — 1" = 1'-0"



NOTES:

1. THIS DETAILS IS NOT APPLICABLE WHEN DISTANCE "D" EXCEEDS 1'-0"
2. OMIT ADDED TOP REINFORCING WHEN "D" IS LESS THAN OR EQUAL TO 1/2 BEAM FLANGE WIDTH +1"

6 COMPOSITE SLAB EDGE
WITH BENT PLATE — 1" = 1'-0"



NOTES:

1. THIS DETAILS IS NOT APPLICABLE WHEN DISTANCE "D" EXCEEDS 3'-0"

7 COMPOSITE SLAB EDGE
DECK SPAN PERPENDICULAR TO BEAM — 1" = 1'-0"

PHASE:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT	TLC	CSC	07/30/2021
50% CONSTRUCTION DOCUMENTS	TLC	CSC	10/07/2021
100% CONSTRUCTION DOCUMENTS	TLC	CSC	12/09/2021
ADDENDUM 1			
ADDENDUM 2			

ID:	REVISION:	DATE:

TO THE BEST OF MY KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES.

Client:
Leon County R&D Authority
Tallahassee, Florida

Job Title:
North Florida Innovation Labs

Consultant:
BLISS & NYITRAY, INC.
STRUCTURAL ENGINEERS
Certificate of Authorization No. 674
227 N Bronough St., Suite 7300
Tallahassee, Florida, 32301
T 850-222-4454 F 850-222-9425
www.bniengineers.com

Project #: 21414 / BNI No. 21T08
Phase: DESIGN DEVELOPMENT

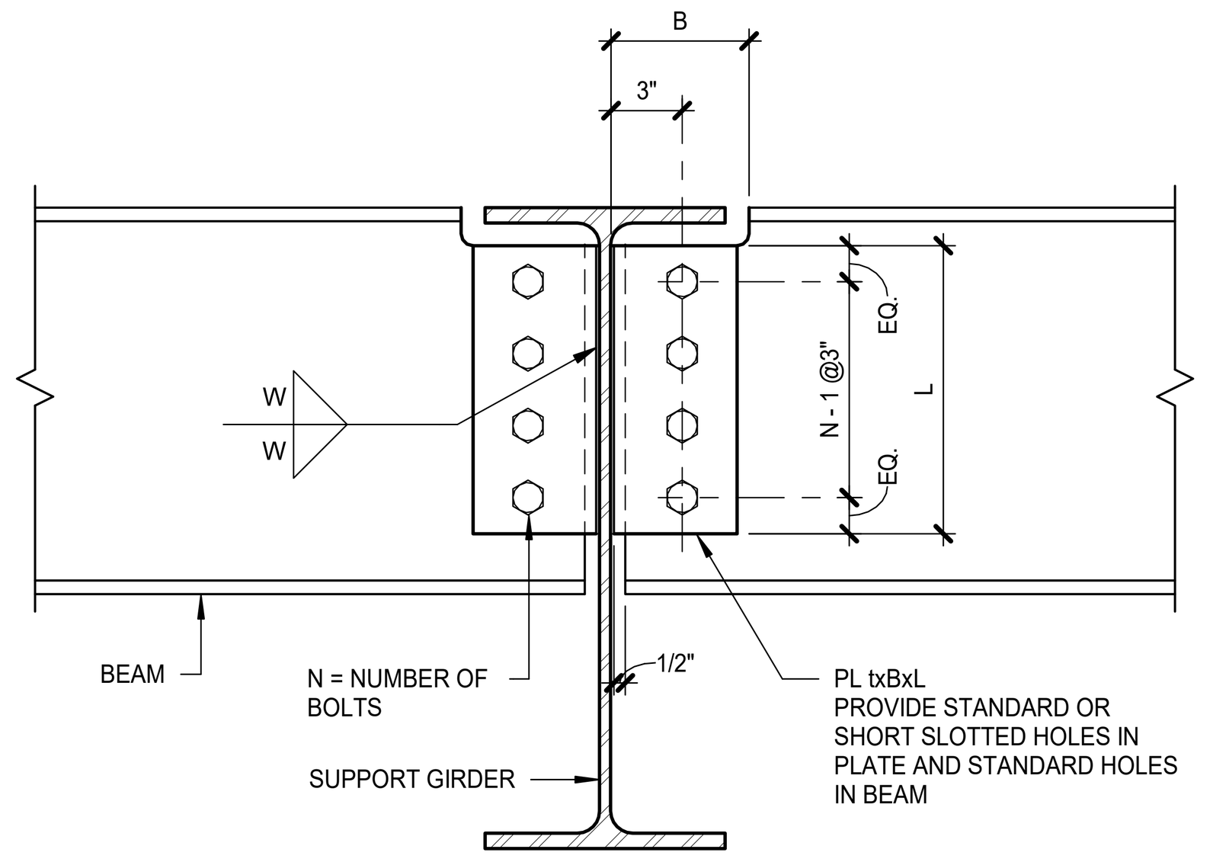
ALW
Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net

CHRISTOPHER S. CHILDERS LICENSE NO. 50812 STATE OF FLORIDA PROFESSIONAL ENGINEER

Christopher S. Childers, P.E.
Fla. Reg. No. 50812

Description:
STEEL DETAILS

Sheet No.:
S6.02

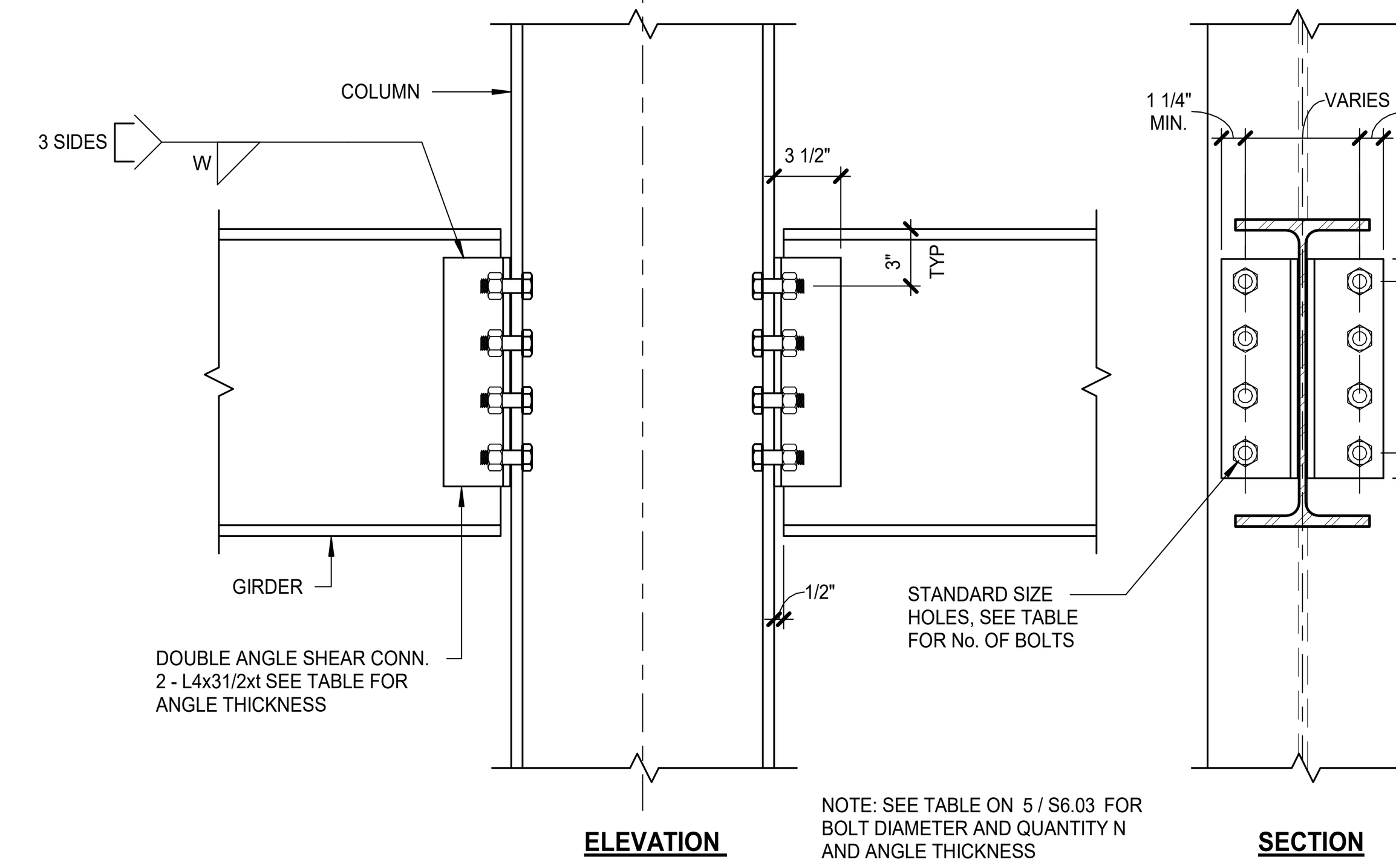


NOTE: SEE TABLE ON 2 / S6.03 FOR BOLT DIAMETER AND QUANTITY N, PLATE AND WELD SIZE

1 BEAM TO GIRDER CONNETION
SINGLE PLATE SHEAR CONNECTION BOLTED — 1 1/2" = 1'-0"

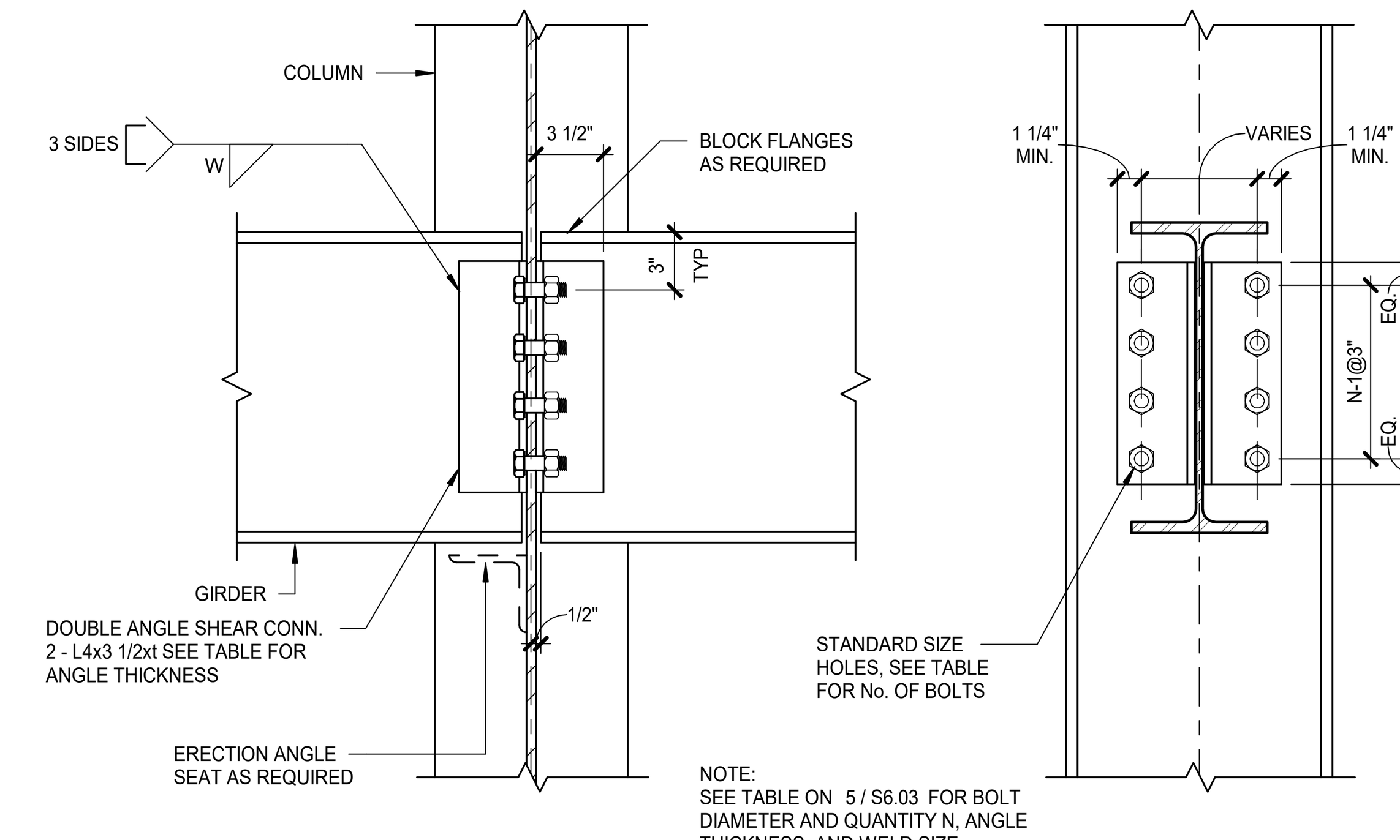
SINGLE PLATE SHEAR CONNECTIONS COPED FLANGE						
BEAM RANGE	3/4"Ø A325N	STRENGTH (KIPS)		PLATE t x B x L	WELD SIZE "W"	COPED WEB MIN tw
	N-BOLTS	A S D	L R F D			
W10-W12	2	16.9*	25.4*	5/16x4 1/2x5 1/2	1/4	-
W12-W14	3	31.8	47.7	5/16x4 1/2x8 1/2	1/4	0.23
W16	4	42.4	63.6	5/16x4 1/2x11 1/2	1/4	-
W18	5	53.0	79.5	5/16x4 1/2x14 1/2	1/4	-
W21-W24	6	63.6	95.4	5/16x4 1/2x17 1/2	1/4	-
W27-W30	7	74.0	111.0	5/16x4 1/2x20 1/2	1/4	-
W36	8	84.1	162.2	5/16x4 1/2x23 1/2	1/4	-

2 BEAM TO GIRDER
SINGLE PLATE CONNECTION TABLE — 1 1/2" = 1'-0"



NOTE: SEE TABLE ON 5 / S6.03 FOR BOLT DIAMETER AND QUANTITY N AND ANGLE THICKNESS

3 GIRDER TO COLUMN FLANGE DOUBLE ANGLE SHEAR CONNECTION
WELDED - BOLTED — 1 1/2" = 1'-0"

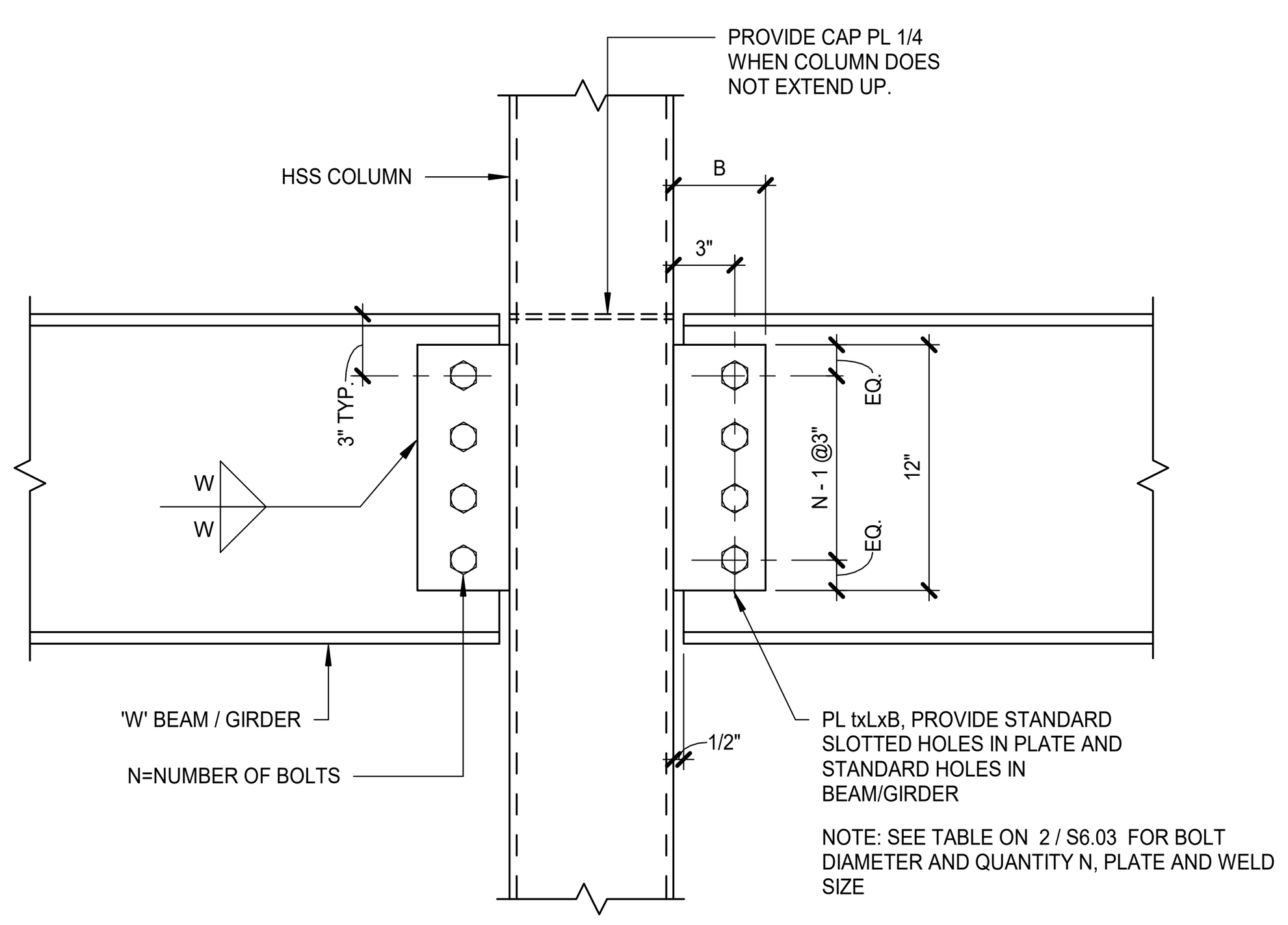


NOTE: SEE TABLE ON 5 / S6.03 FOR BOLT DIAMETER AND QUANTITY N, ANGLE THICKNESS, AND WELD SIZE

4 GIRDER TO COLUMN WEB DOUBLE ANGLE SHEAR CONNECTION
WELDED-BOLTED — 1 1/2" = 1'-0"

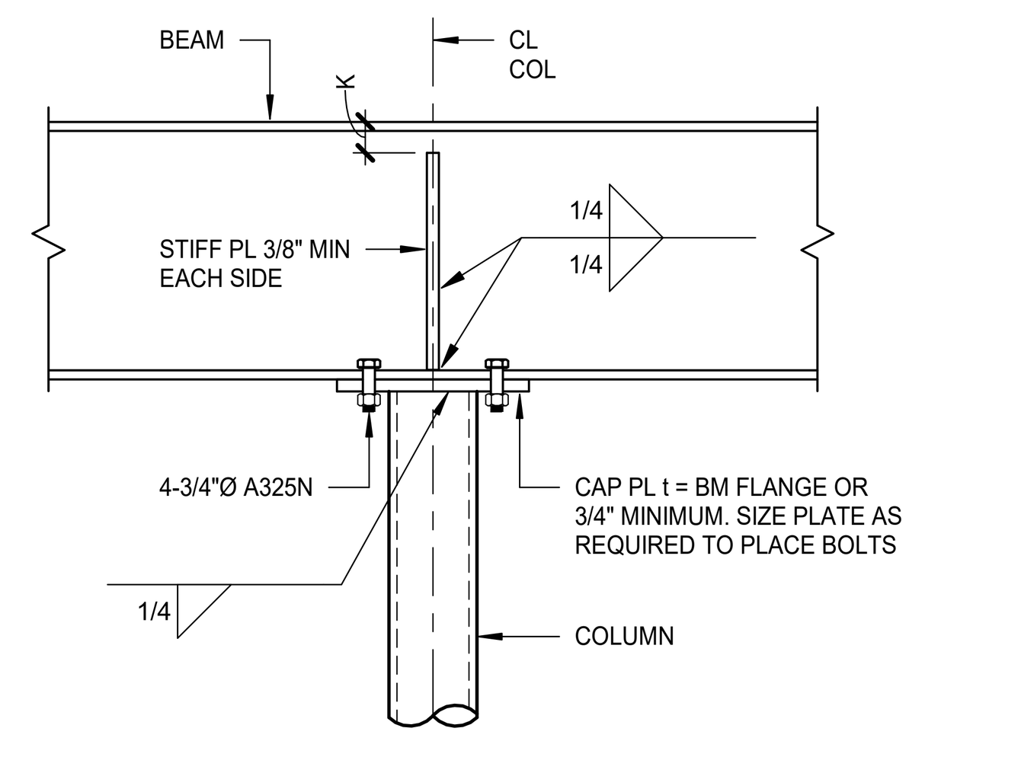
WELDED-BOLTED DOUBLE ANGLE CONNECTION UNCOPED FLANGE							
BEAM RANGE	3/4"Ø A325N	L4 1/2x3 1/2xt		WELD SIZE "W"	STRENGTH (KIPS)		MIN tw SUPPORTED GIRDER
	N-BOLTS	LENGTH (In.)	THICKNESS "t" (in.)		ASD	LRFD	
W10-W12	2	5 1/2	5/16	1/4"	40.8	61.2	0.235
W12-W14	3	8 1/2	5/16	1/4"	51.4	77.1	-
W16	4	11 1/2	5/16	1/4"	84.8	127.2	0.27
W18	5	14 1/2	5/16	1/4"	106.0	159.0	-
W21-W24	6	17 1/2	5/16	1/4"	127.2	190.5	-
W27-W30	7	20 1/2	5/16	1/4"	148.4	222.6	-
W36	8	23 1/2	5/16	1/4"	169.6	254.4	-

5 GIRDER TO COLUMN DOUBLE ANGLE CONNECTION
WELDED-BOLTED WITH 3/4"Ø 325N BOLTS — 1 1/2" = 1'-0"



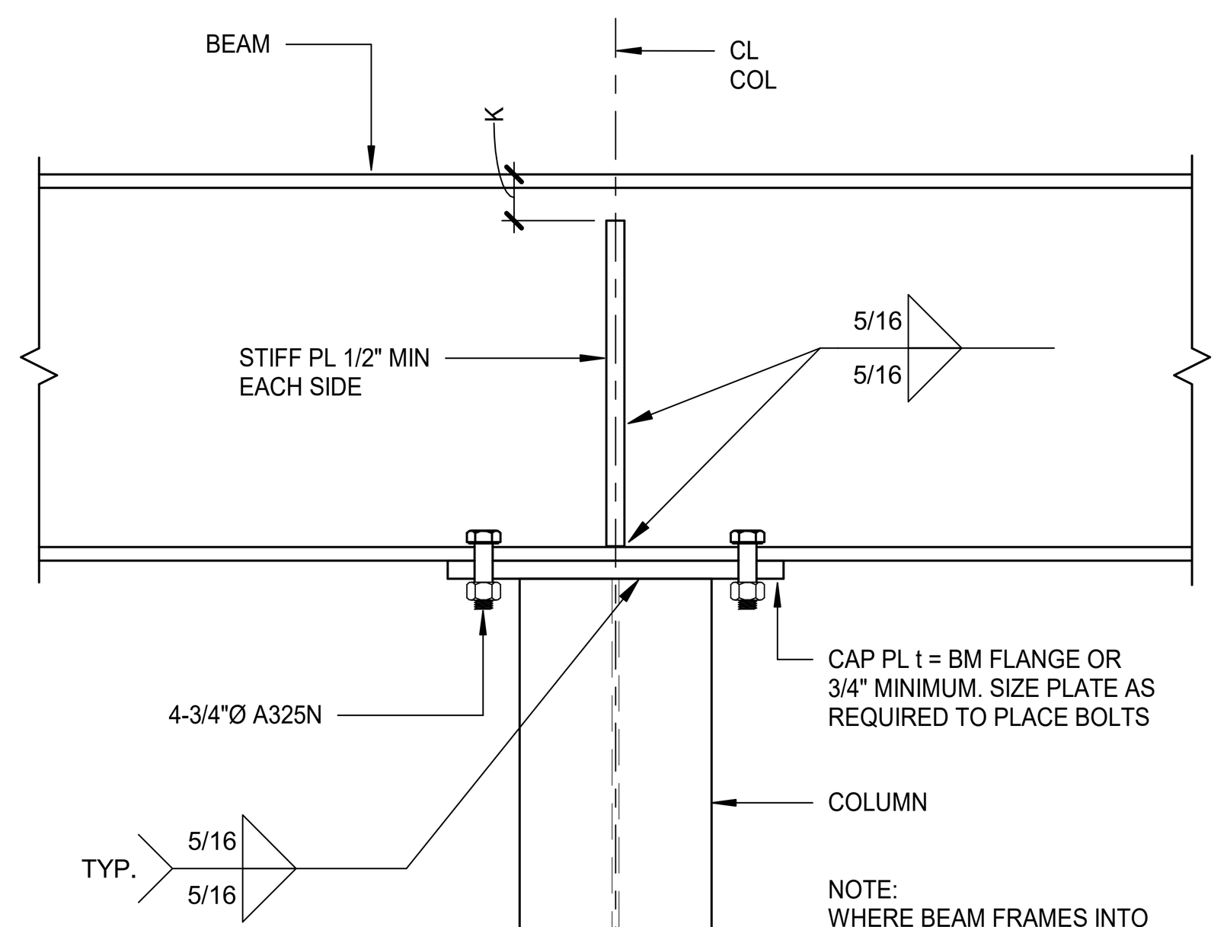
NOTE: SEE TABLE ON 2 / S6.03 FOR BOLT DIAMETER AND QUANTITY N, PLATE AND WELD SIZE

6 BEAM GIRDER TO HSS COLUMN



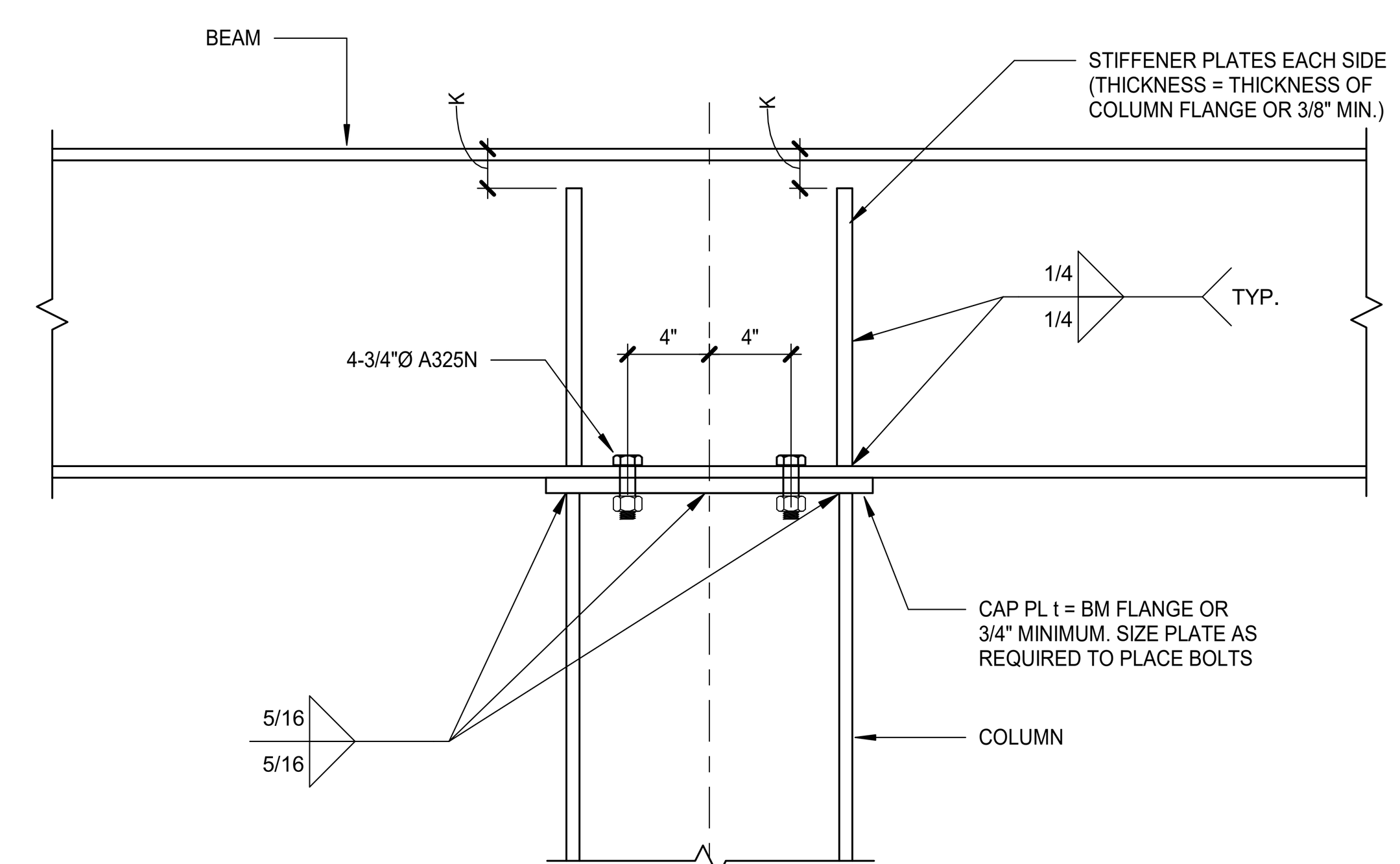
NOTE: WHERE BEAM FRAMES INTO COLUMN CENTERLINE, PROVIDE BOLTED CONNECTION TO STIFFENER PLATE

7 CONTINUOUS BEAM OVER COLUMN
1" = 1'-0"

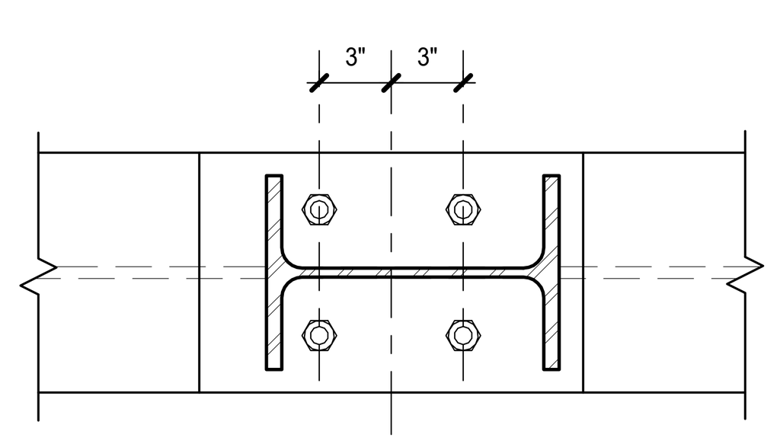


NOTE: WHERE BEAM FRAMES INTO COLUMN CENTERLINE, PROVIDE BOLTED CONNECTION TO STIFFENER PLATE

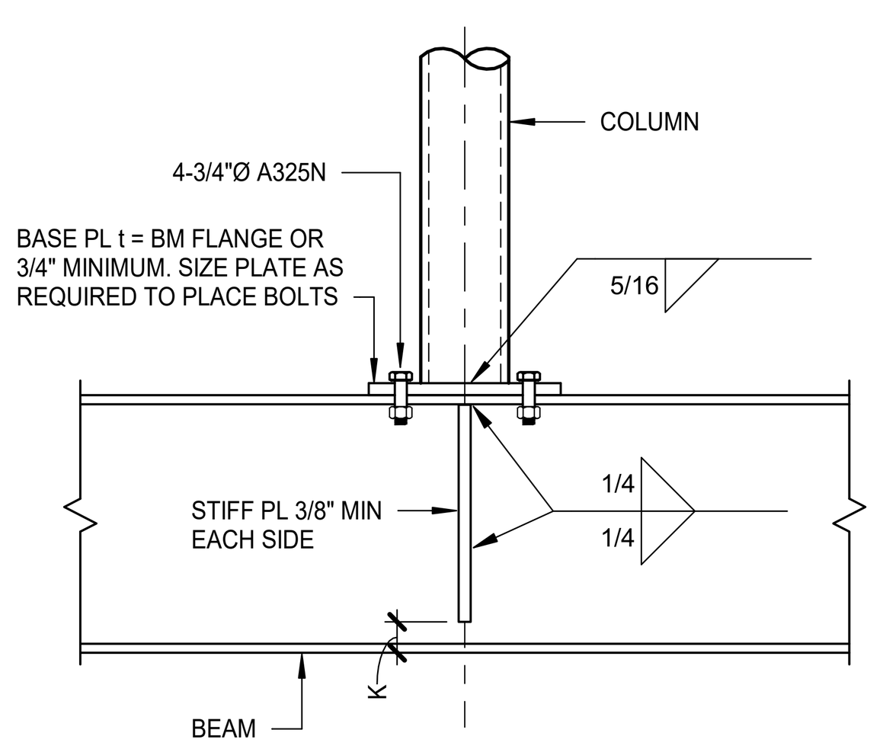
8 CONTINUOUS BEAM OVER COLUMN
COLUMN AXIS PERPENDICULAR TO BEAM AXIS — 1 1/2" = 1'-0"



9 CONTINUOUS BEAM OVER COLUMN
COLUMN AXIS PARALLEL TO BEAM AXIS — 1 1/2" = 1'-0"

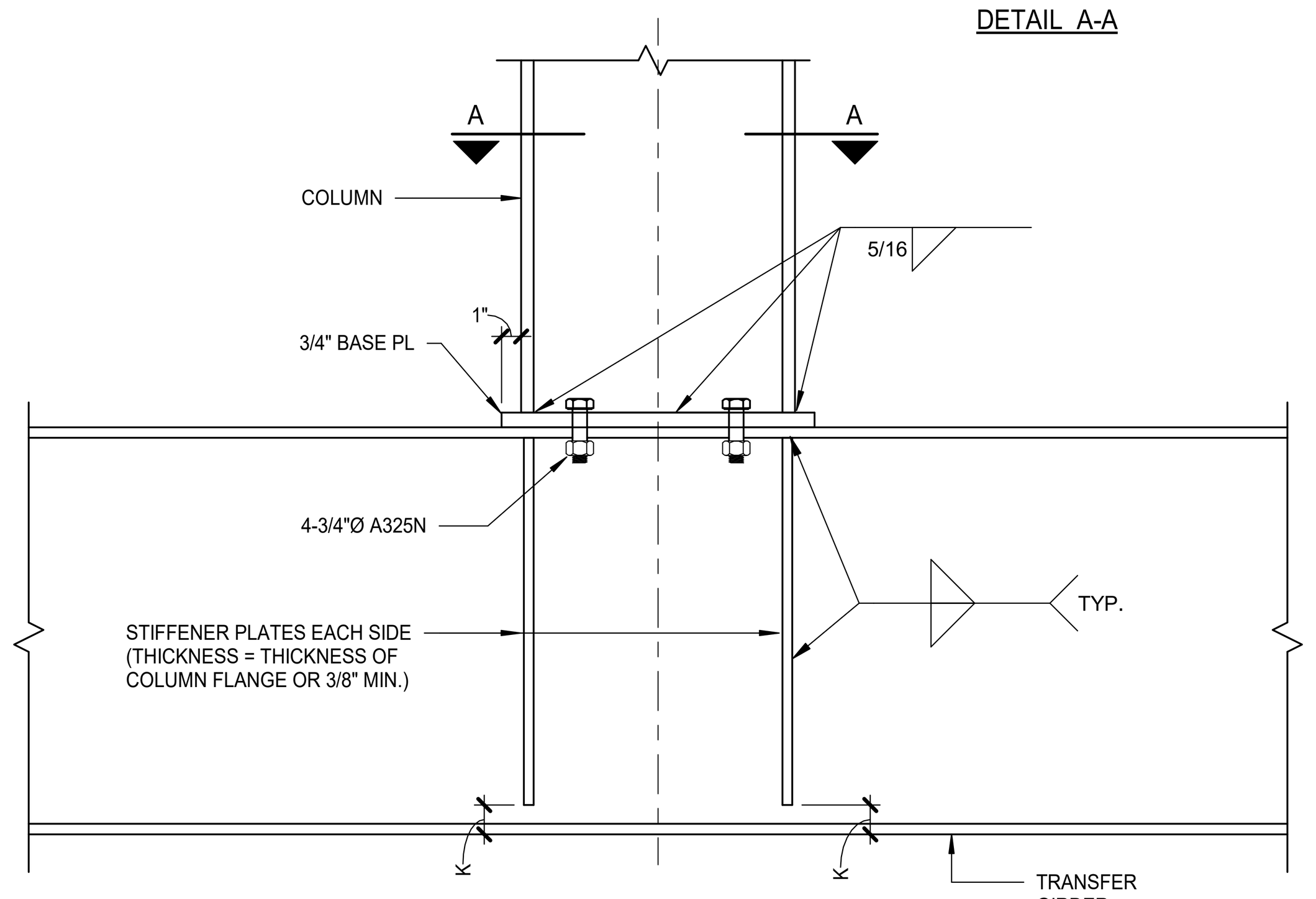


DETAIL A-A

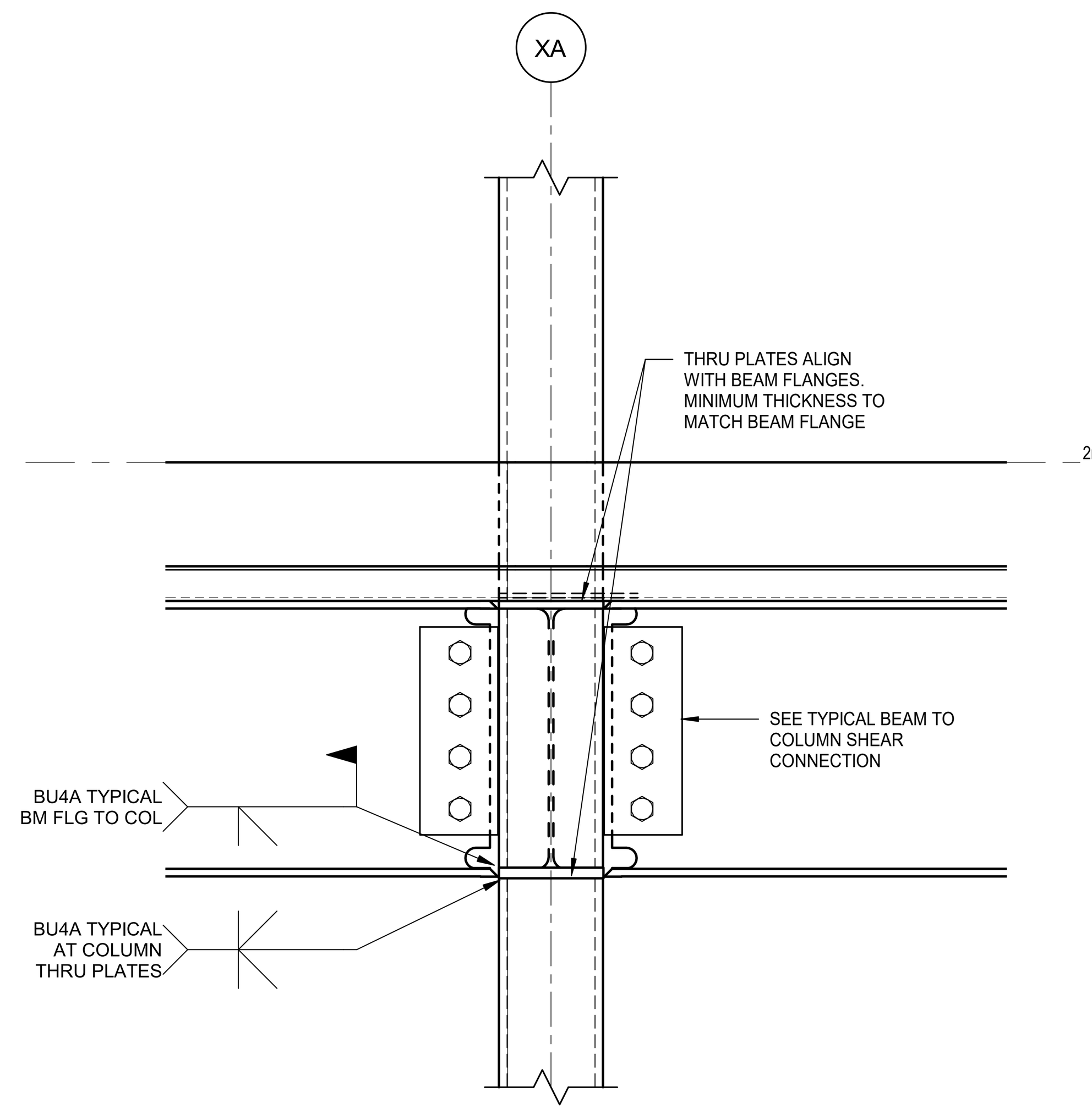


NOTE: WHERE BEAM FRAMES INTO COLUMN CENTERLINE, PROVIDE BOLTED CONNECTION TO STIFFENER PLATE

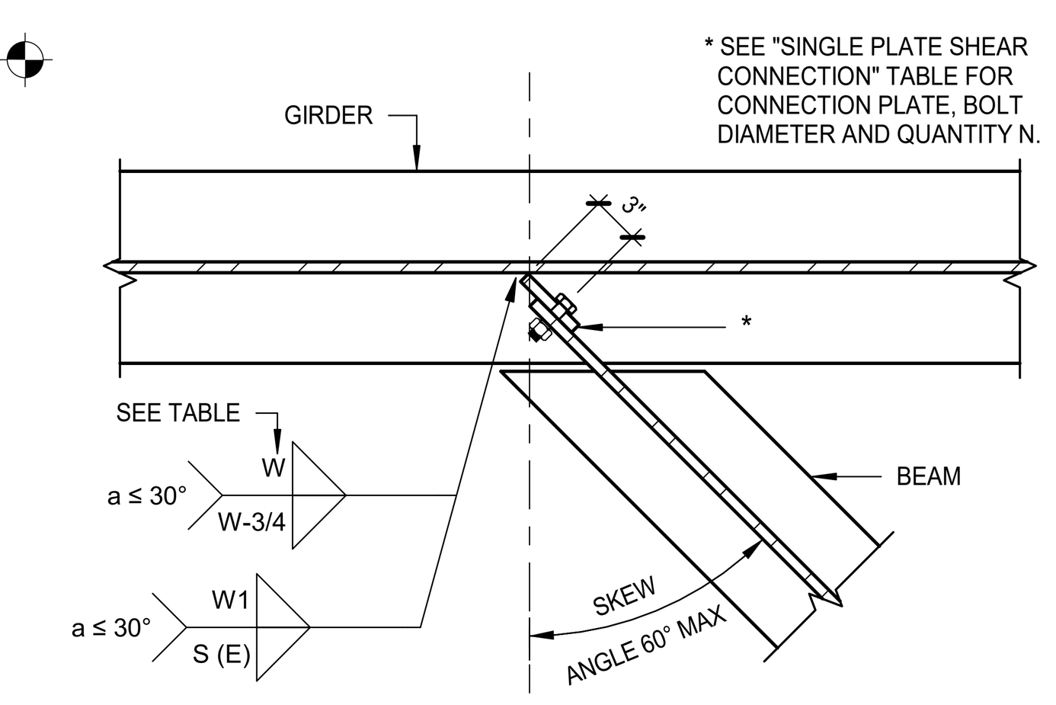
10 PIPE OR TUBE COLUMN AT BEAM
1" = 1'-0"



11 COLUMN AT TRANSFER GIRDER
COLUMN AXIS PARALLEL TO BEAM AXIS — 1 1/2" = 1'-0"

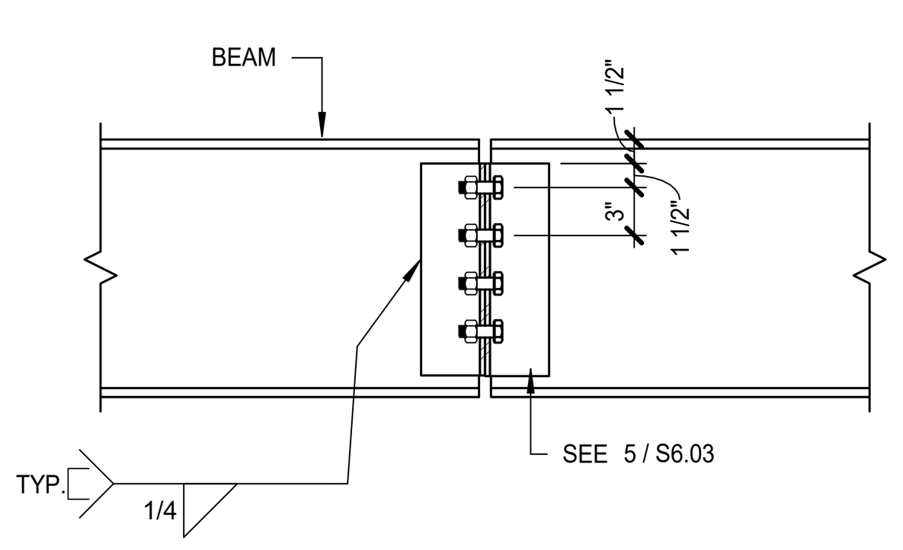


12 TYPICAL MOMENT CONNECTION AT HSS COLUMN
1 1/2" = 1'-0"



t p	S	E	WELD SIZE (W1)	WELD SIZE (W)
5/16"	5/16"	3/16"	1/4" FILLET	1/4" FILLET
3/8"	3/8"	1/4"	1/4" FILLET	1/4" FILLET
1/2"	1/2"	3/8"	5/16" FILLET	5/16" FILLET

13 SKEWED BEAM TO GIRDER
1" = 1'-0"



14 BEAM SPLICE DETAIL
FLEXIBLE CONNECTION — 1" = 1'-0"

ID:	REVISION:	DATE:

PHASE:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT	TLC	CSC	07/30/2021
50% CONSTRUCTION DOCUMENTS	TLC	CSC	10/07/2021
100% CONSTRUCTION DOCUMENTS	TLC	CSC	12/09/2021
ADDENDUM 1			
ADDENDUM 2			

TO THE BEST OF MY KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES.

Consultant:
BLISS & NYITRAY, INC.
STRUCTURAL ENGINEERS
Certificate of Authorization No. 674
227 N Bronough St., Suite 7300
Tallahassee, Florida 32301
T 850-222-4454 F 850-222-9425
www.bnengineers.com

Client:
Leon County R&D Authority
Tallahassee, Florida

Job Title:
North Florida Innovation Labs

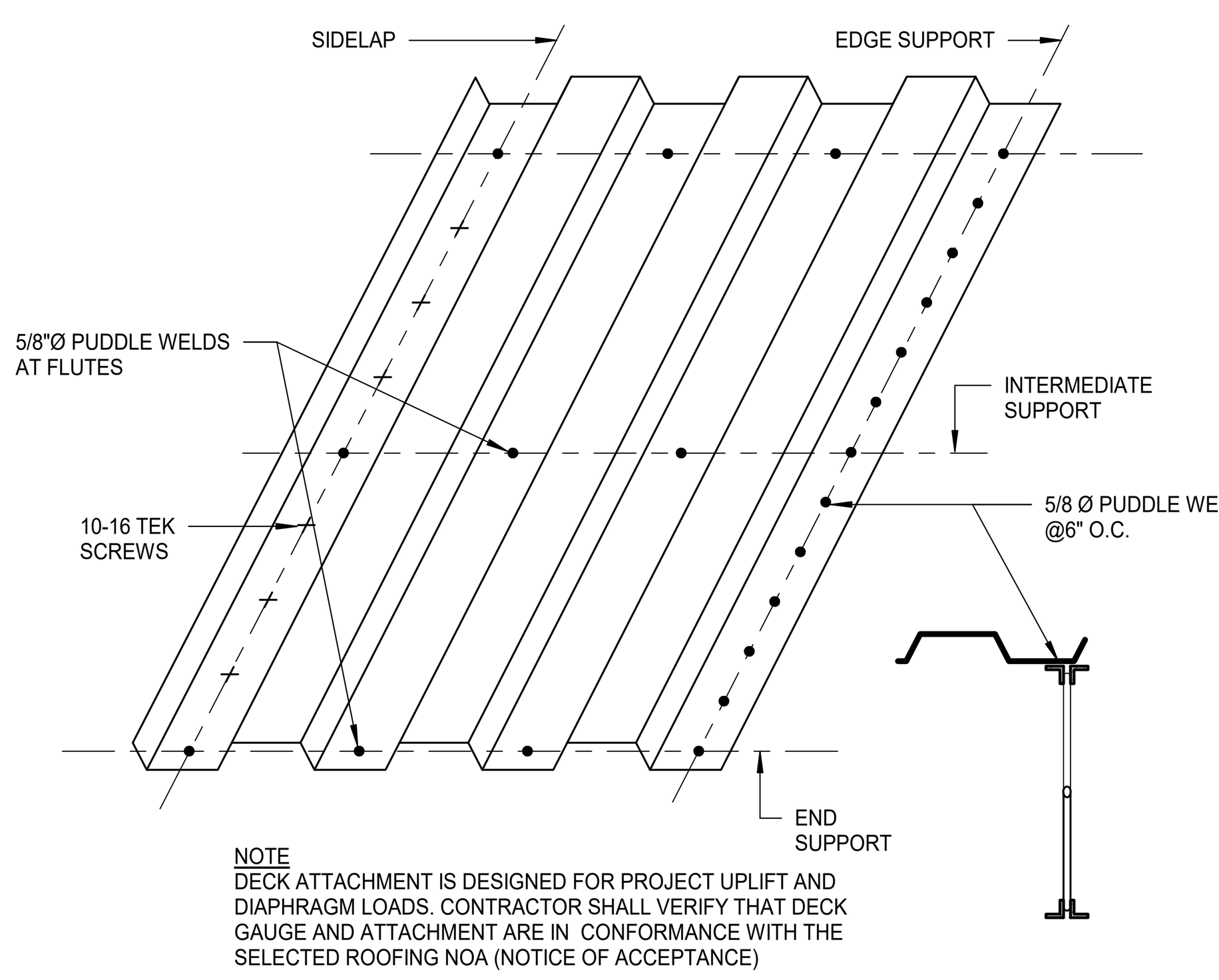
Project #: 21414 / BNI No. 21T08
Phase: DESIGN DEVELOPMENT

ALW
Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net

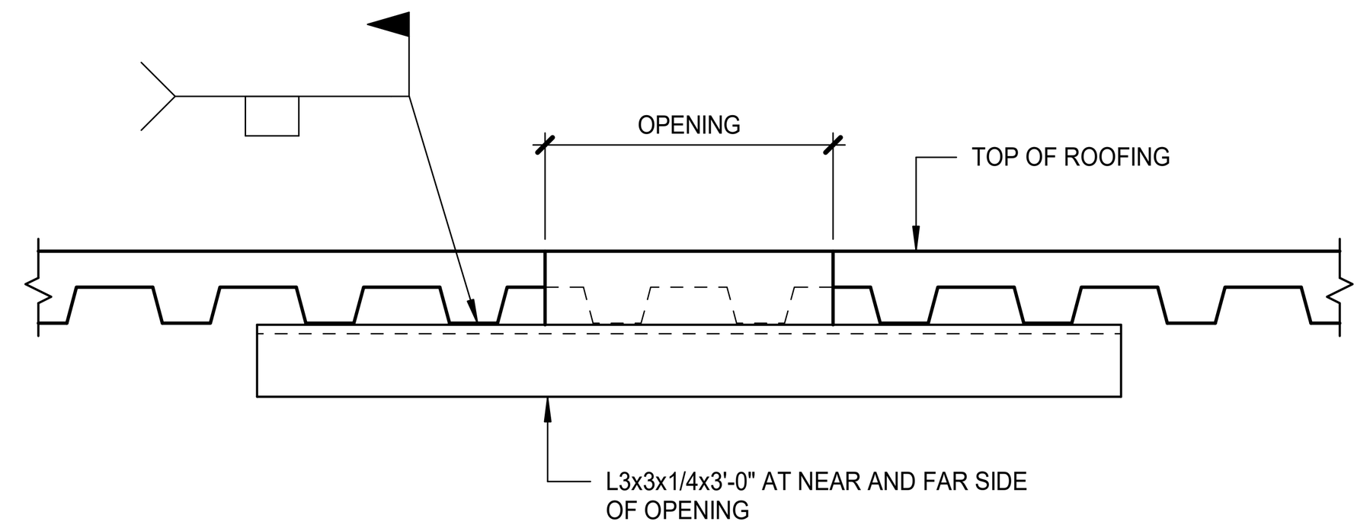
CHRISTOPHER S. CHILDERS LICENSE NO. 50812 STATE OF FLORIDA PROFESSIONAL ENGINEER
Christopher S. Childers, P.E.
Fla. Reg. No. 50812

Description:
STEEL DETAILS

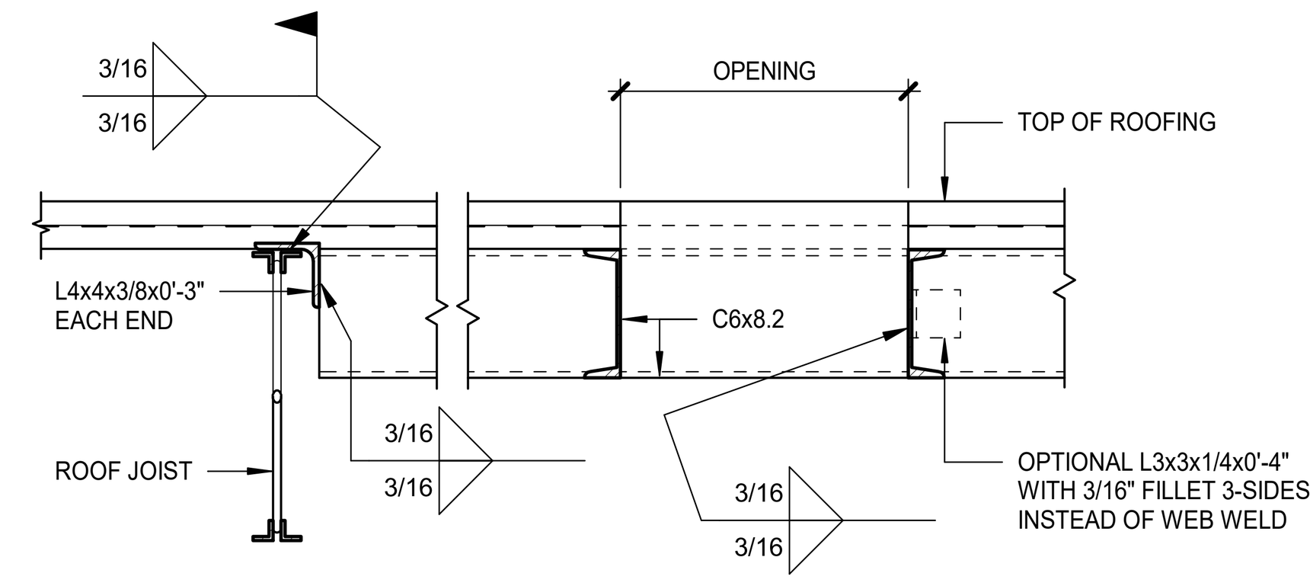
Sheet No.:
S6.03



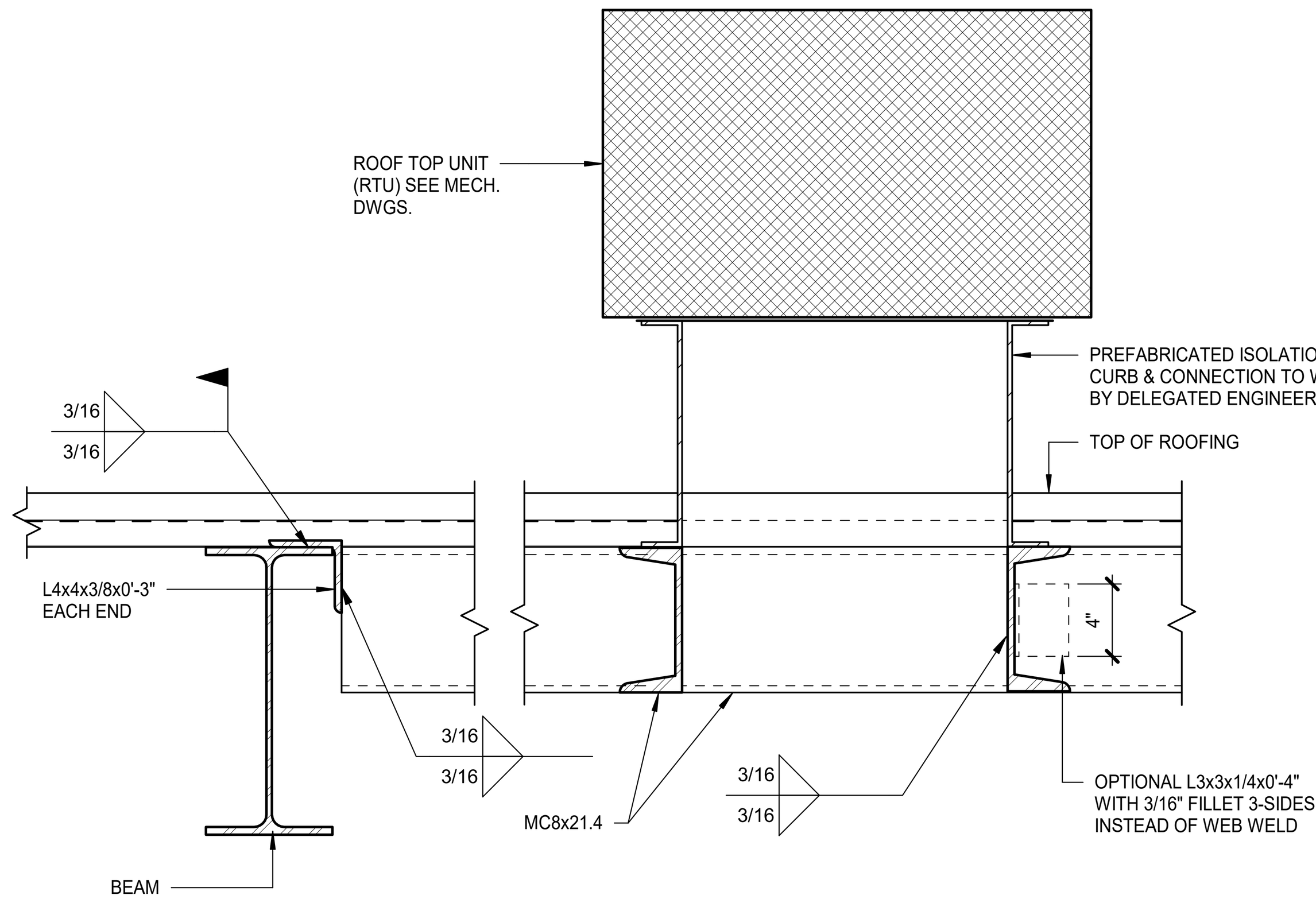
1 ROOF DECK ATTACHMENT
1" = 1'-0"



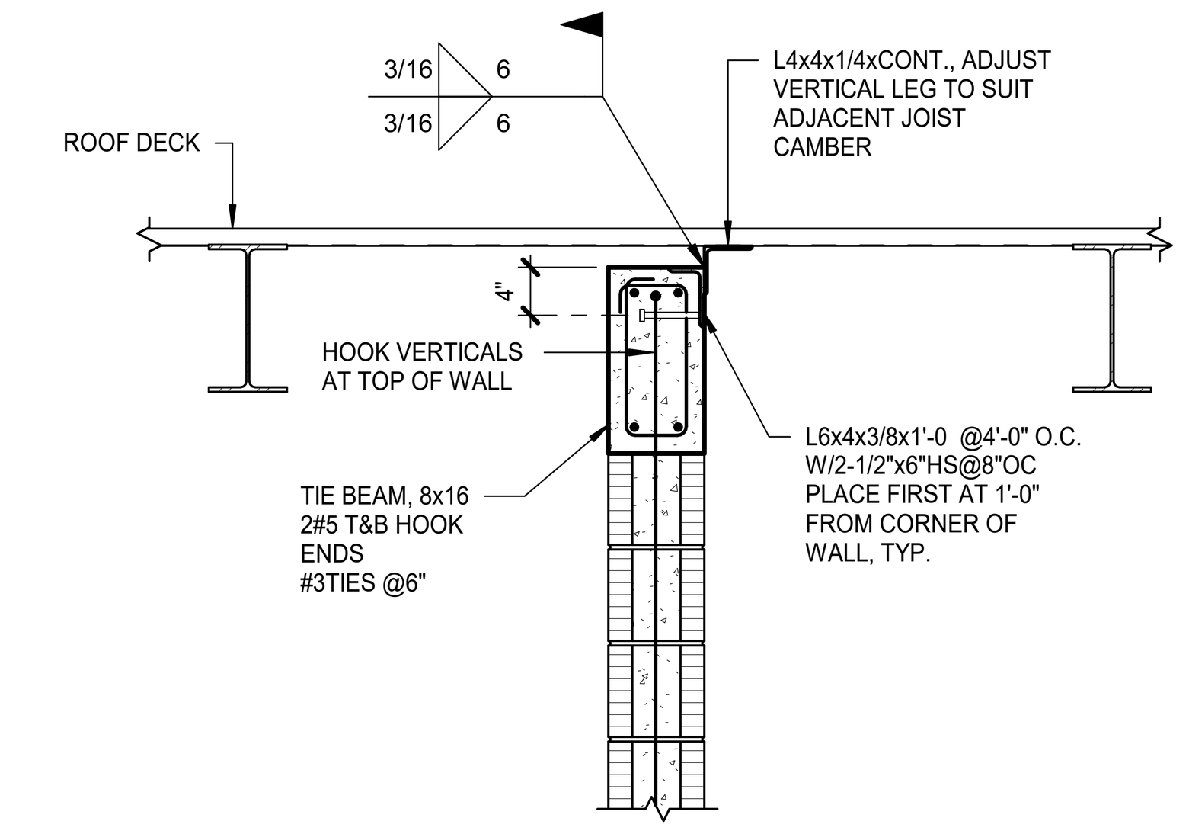
2 ROOF OPENING DETAIL
1 1/2" = 1'-0"



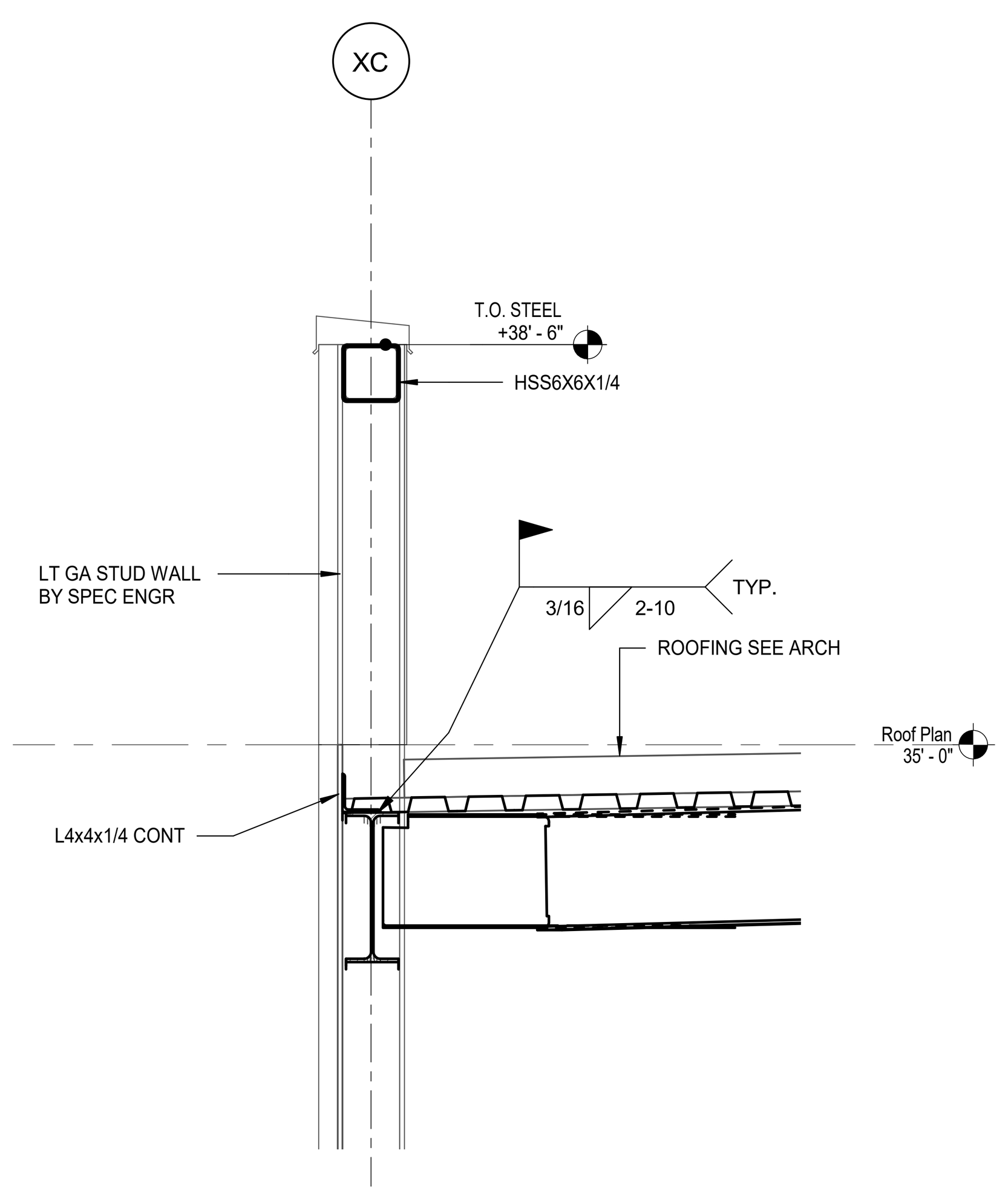
3 ROOF OPENING DETAIL
1" = 1'-0"



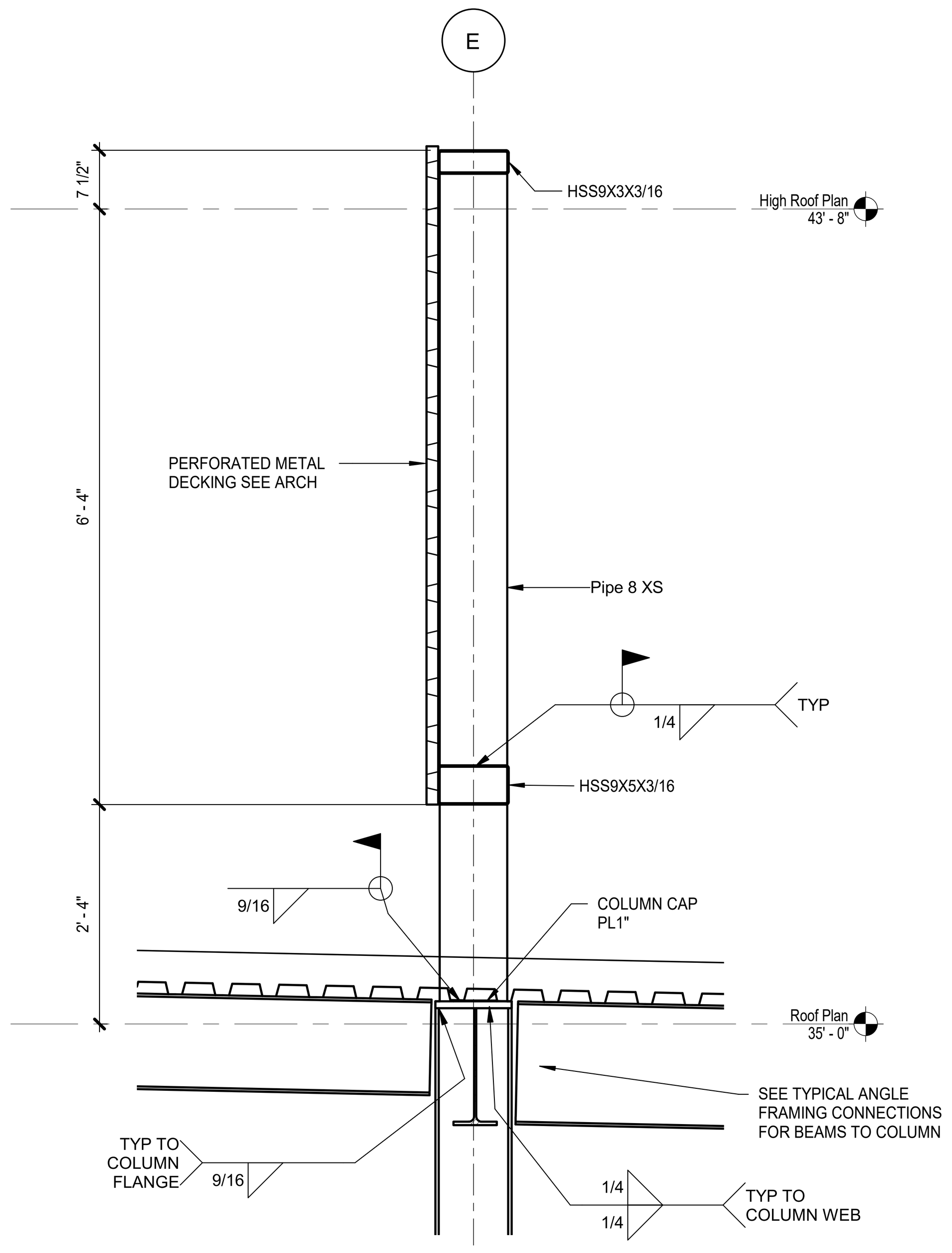
4 FRAME FOR R.T.U. SUPPORT
OVER STEEL JOISTS
1 1/2" = 1'-0"



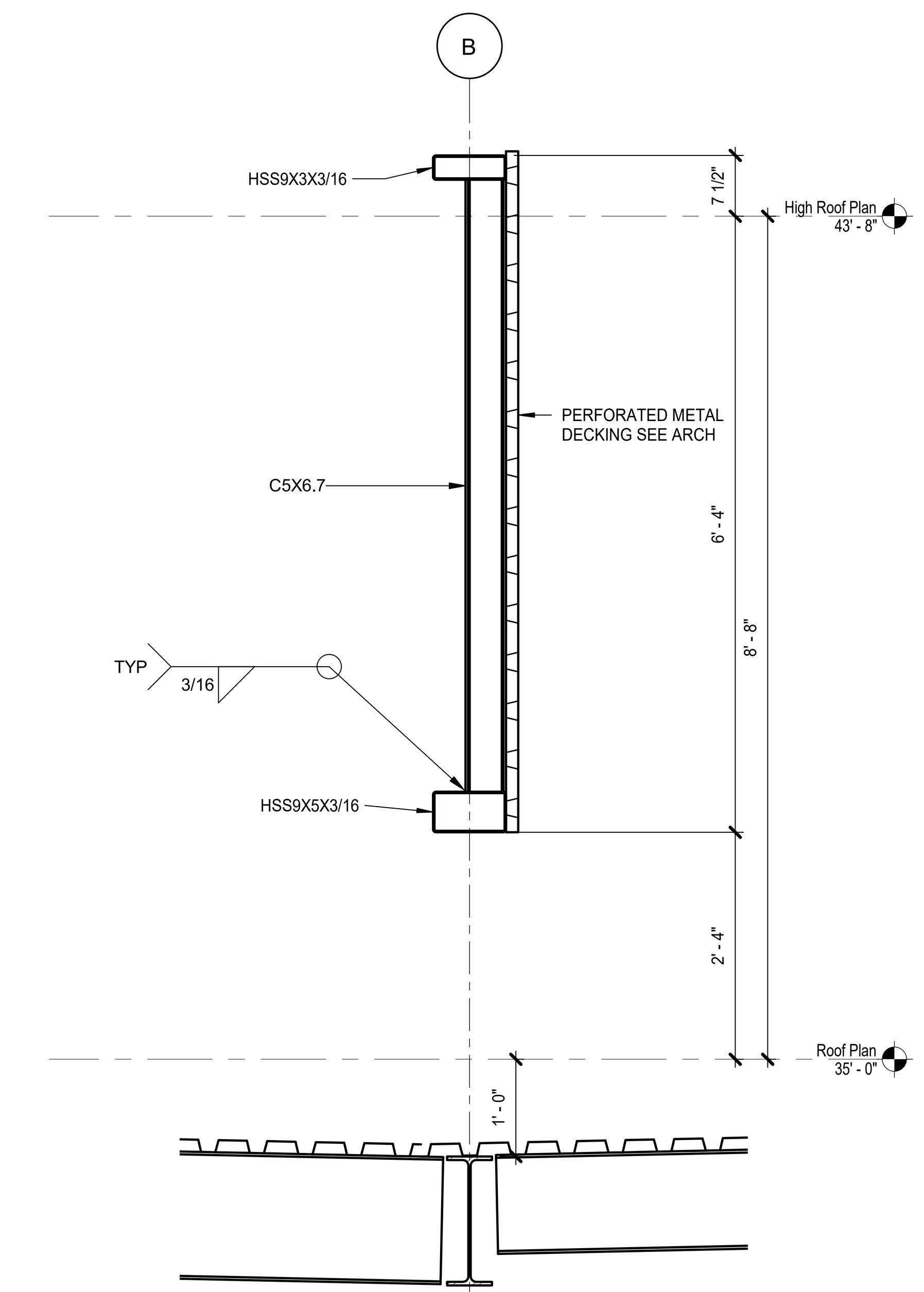
5 DECK SUPPORT AT CONCRETE BEAM
3/4" = 1'-0"



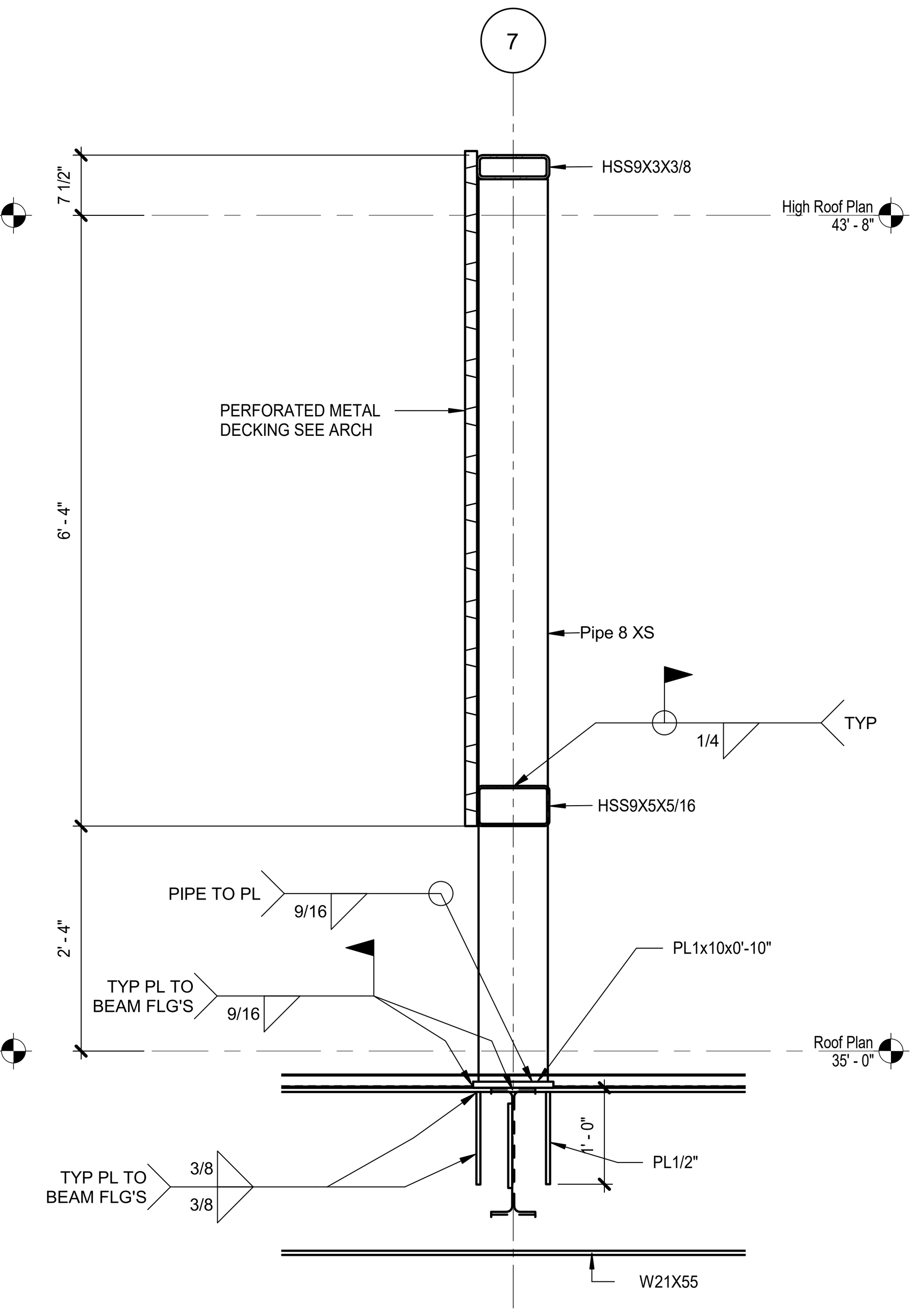
6 SECTION - ROOF EDGE
3/4" = 1'-0"



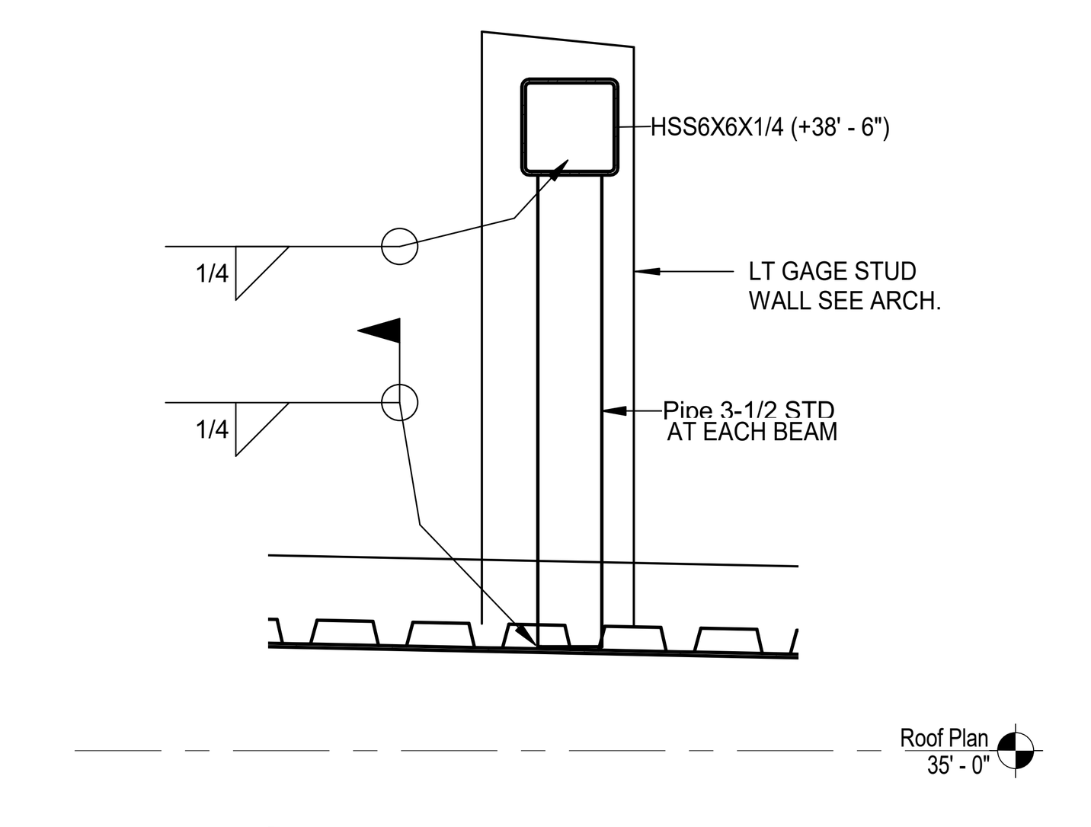
7 ROOF SCREEN WALL
3/4" = 1'-0"



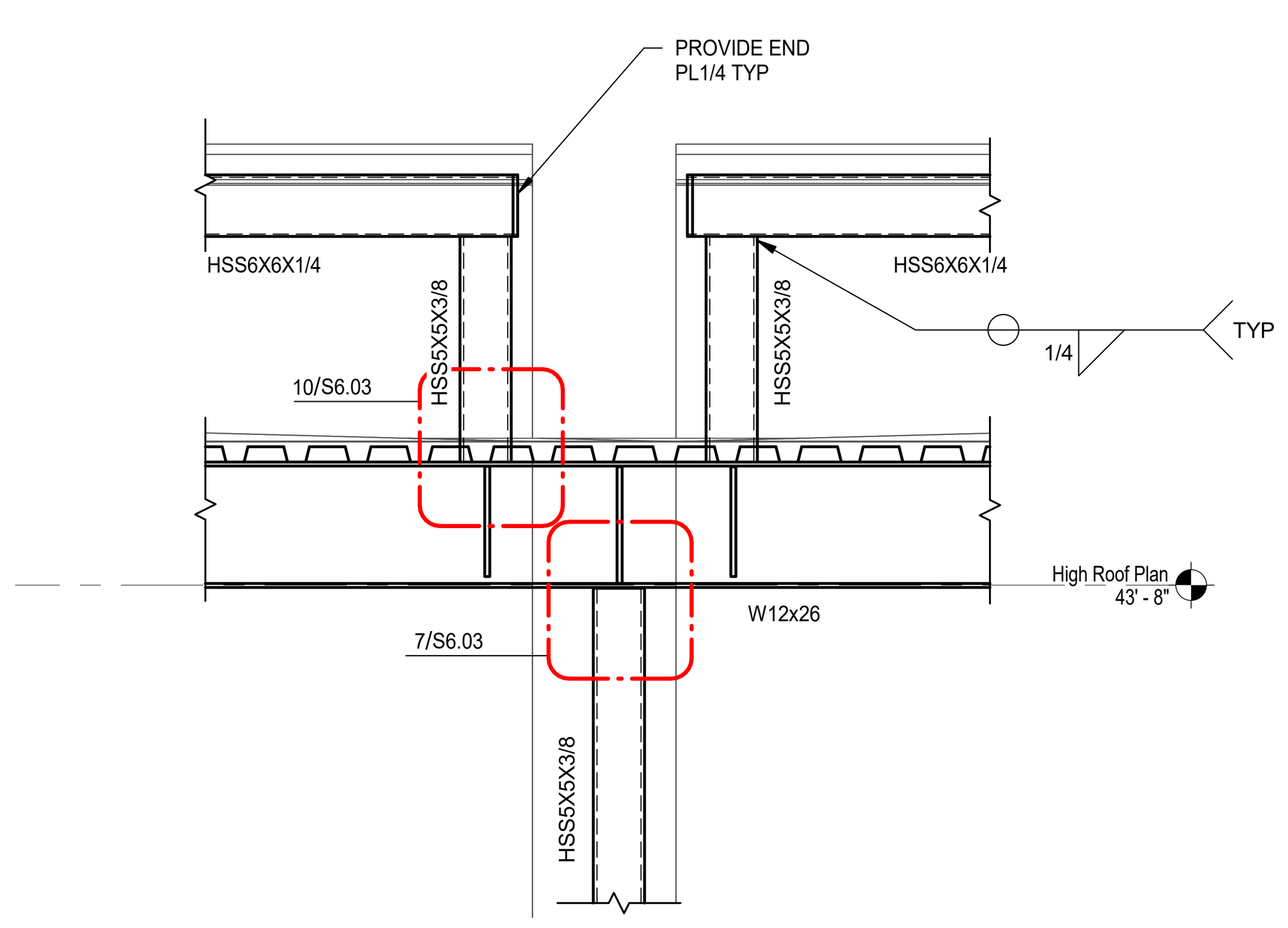
8 ROOF SCREEN WALL
3/4" = 1'-0"



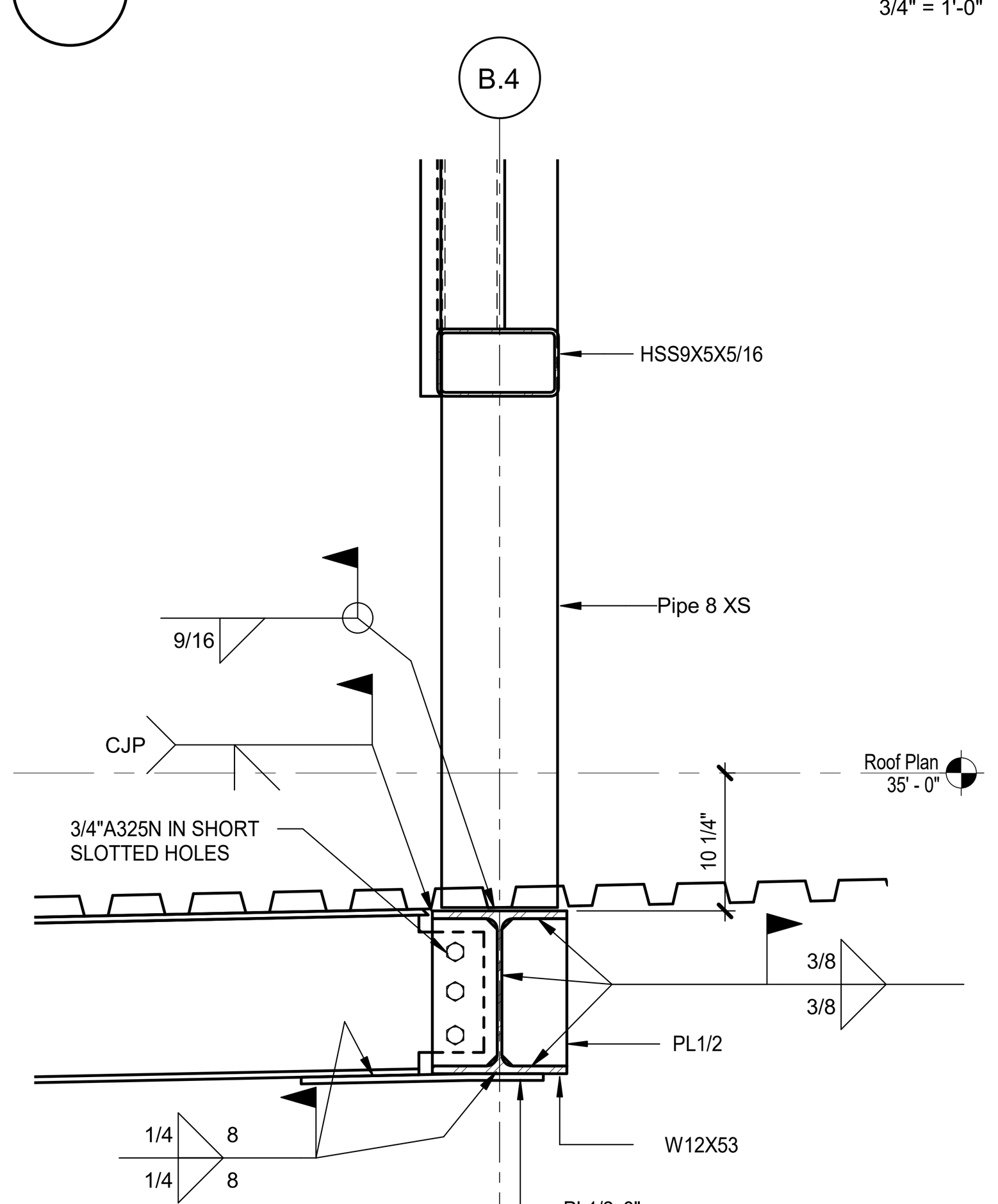
9 SCREEN WALL POST TO BEAM
3/4" = 1'-0"



10 SECTION AT PARAPET
1" = 1'-0"



11 SECTION AT SCUPPER
3/4" = 1'-0"



12 SCREEN WALL POST MOMENT CONNECTION
1" = 1'-0"

ID:	REVISION:	DATE:

PHASE:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT	TLC	CSC	07/30/2021
50% CONSTRUCTION DOCUMENTS	TLC	CSC	10/07/2021
100% CONSTRUCTION DOCUMENTS	TLC	CSC	12/09/2021
ADDENDUM 1			
ADDENDUM 2			

TO THE BEST OF MY KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES.

Client:
Leon County R&D Authority
Tallahassee, Florida

Job Title:
North Florida Innovation Labs

Consultant:
BLISS & NYITRAY, INC.
STRUCTURAL ENGINEERS
Certificate of Authorization No. 674
227 N Bronough St., Suite 7300
Tallahassee, Florida, 32301
T 850-222-4454 F 850-222-9425
www.bniengineers.com

Project #: 21414 / BNI No. 21T08
Phase: DESIGN DEVELOPMENT

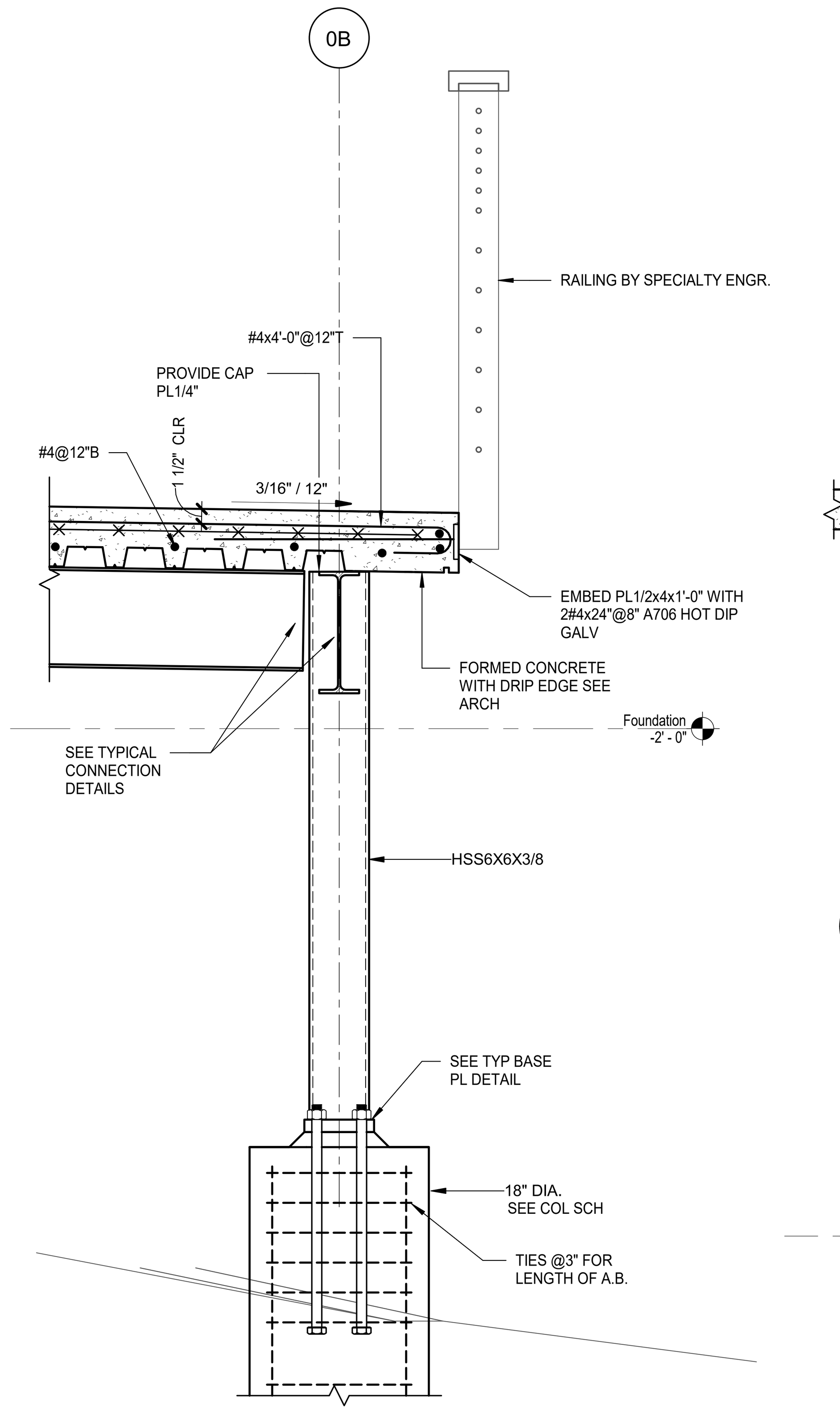
ALW
Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net

CHRISTOPHER S. CHILDERS
LICENSE
NO. 50812
STATE OF FLORIDA
PROFESSIONAL ENGINEER

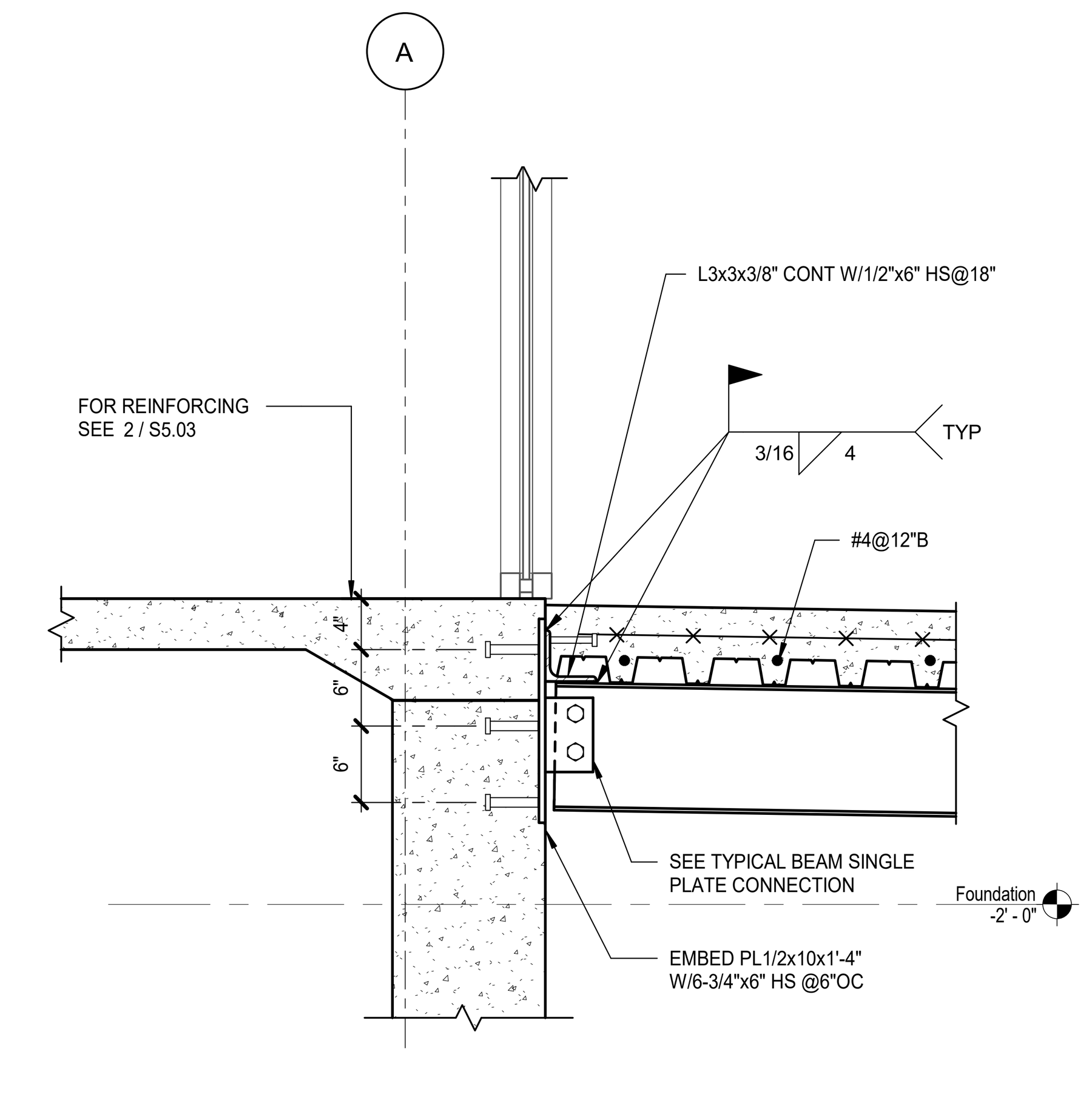
Christopher S. Childers, P.E.
Fla. Reg. No. 50812

Description:
ROOF DETAILS

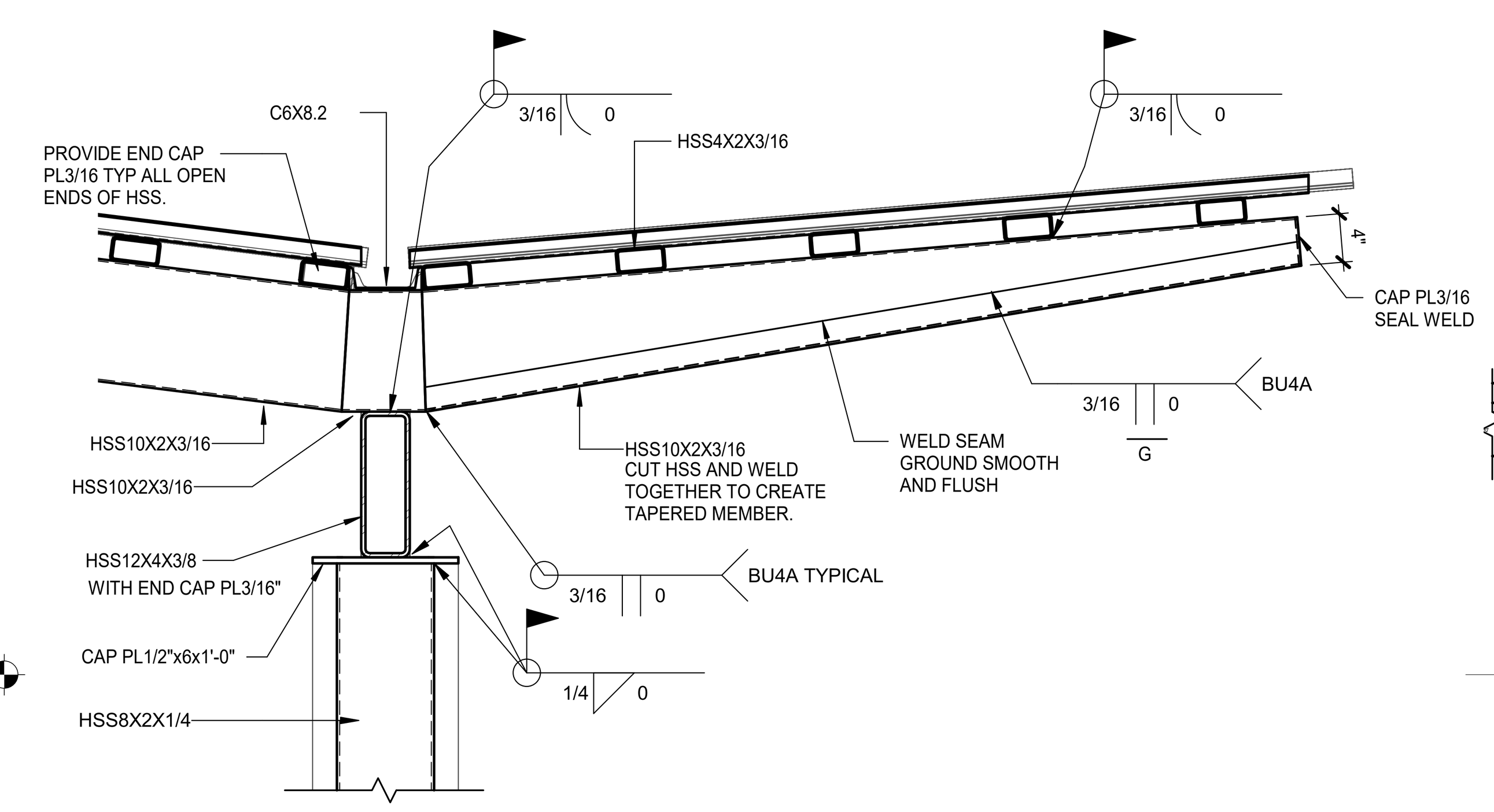
Sheet No.:
S6.04



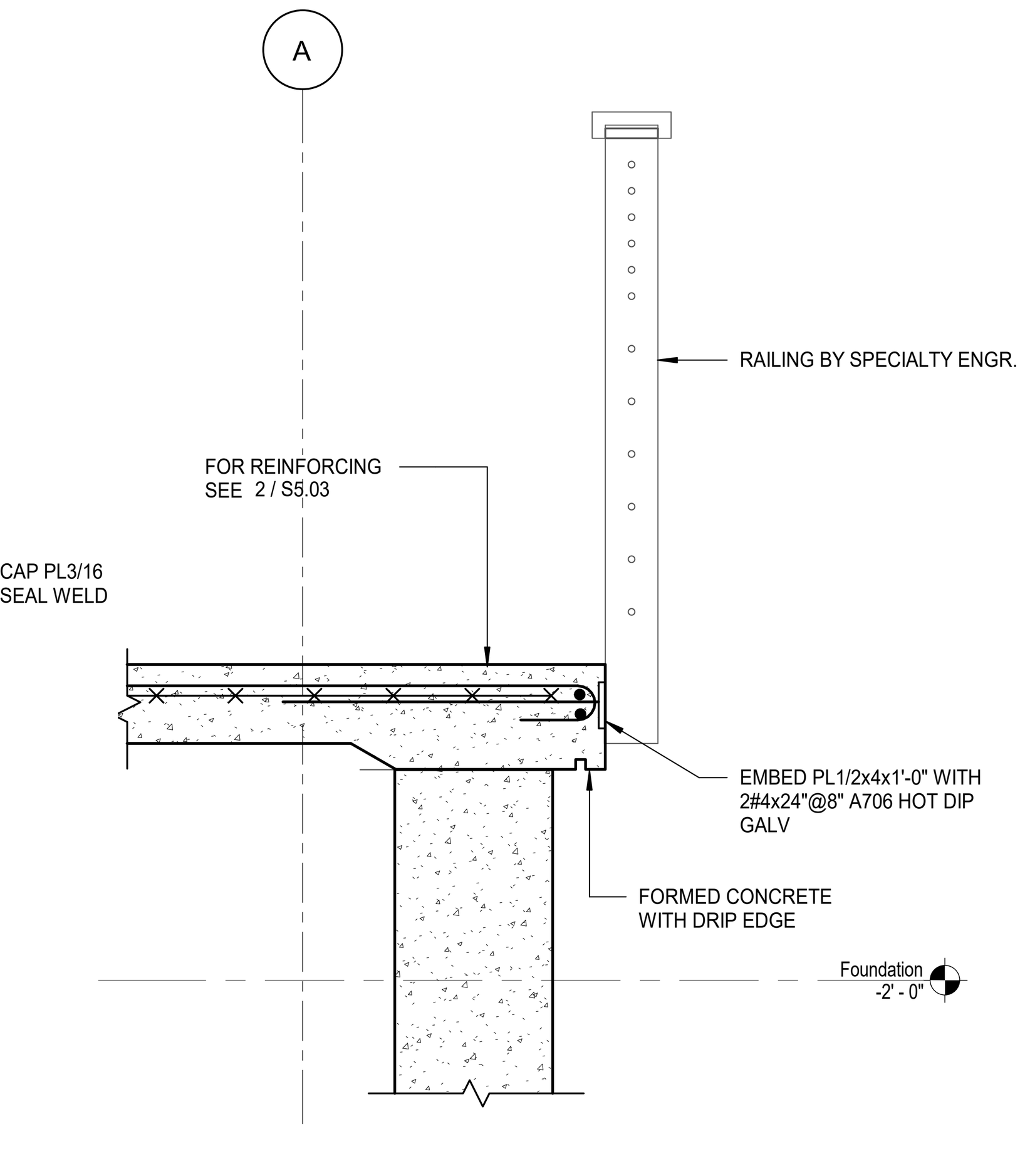
1 SECTION AT DECK
ALTERNATE A2
1" = 1'-0"



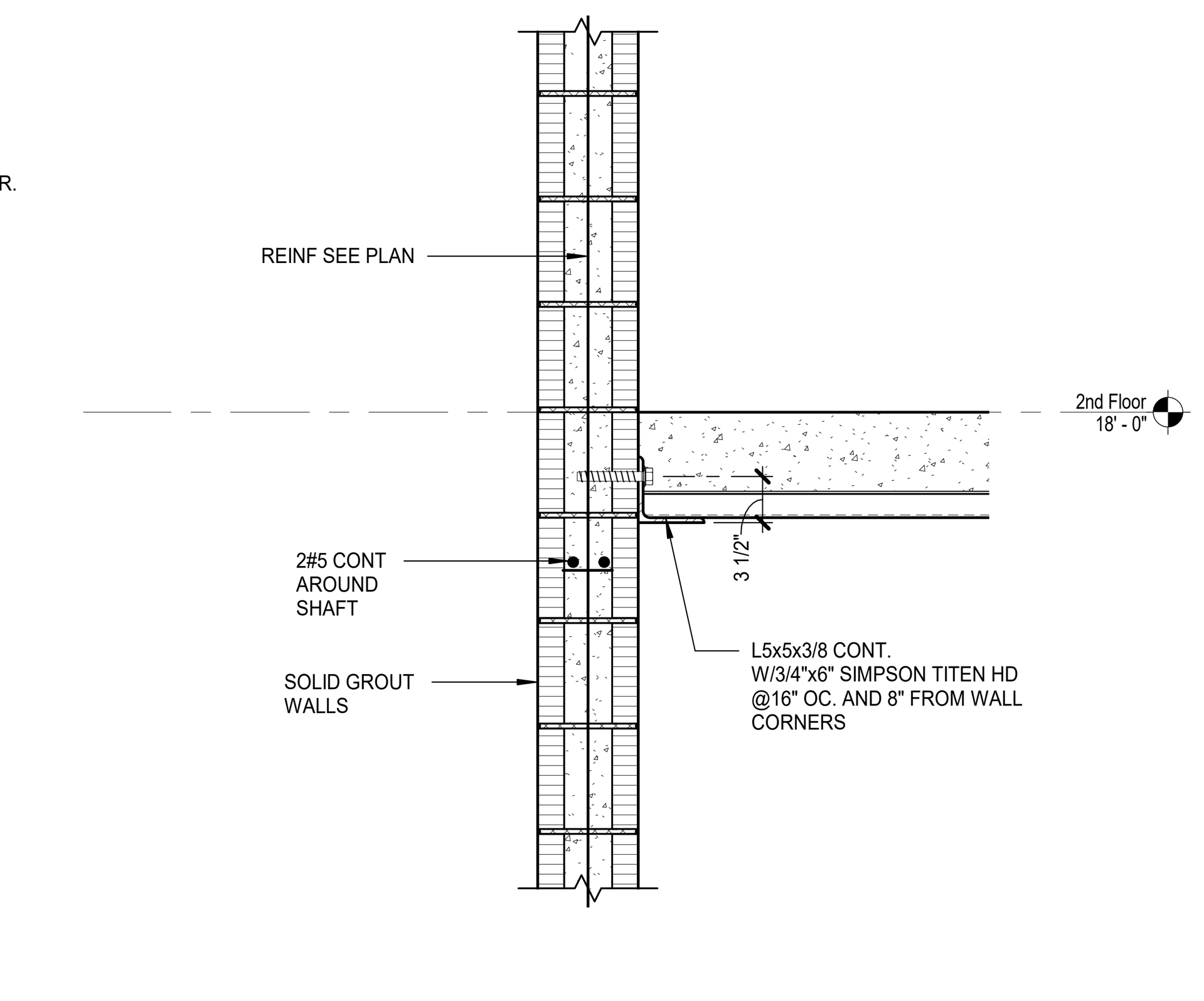
2 SECTION AT EXTERIOR DECK TO WALL
ALTERNATE A2
1" = 1'-0"



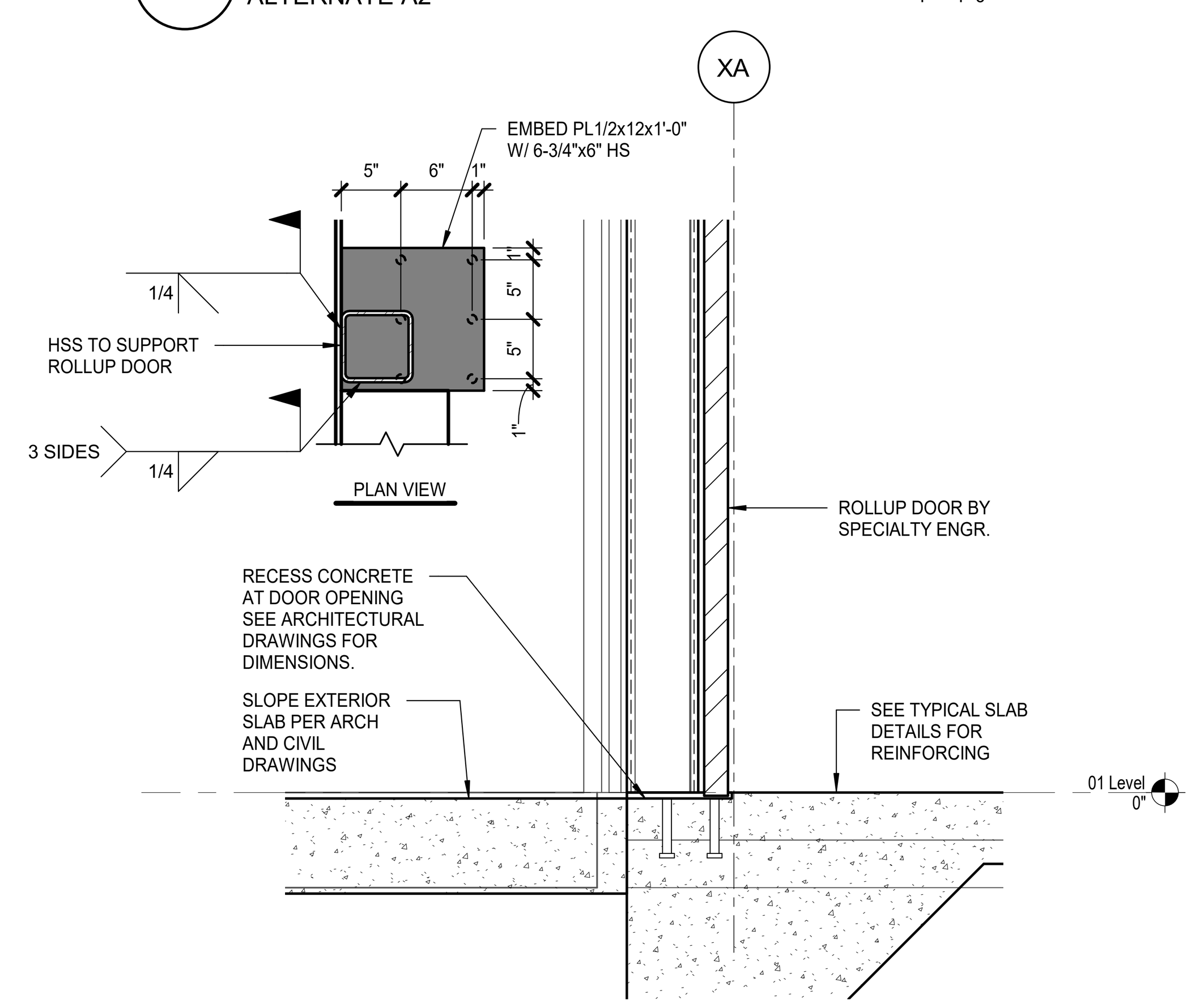
3 ENTRANCE CANOPY
ALTERNATE A3
1" = 1'-0"



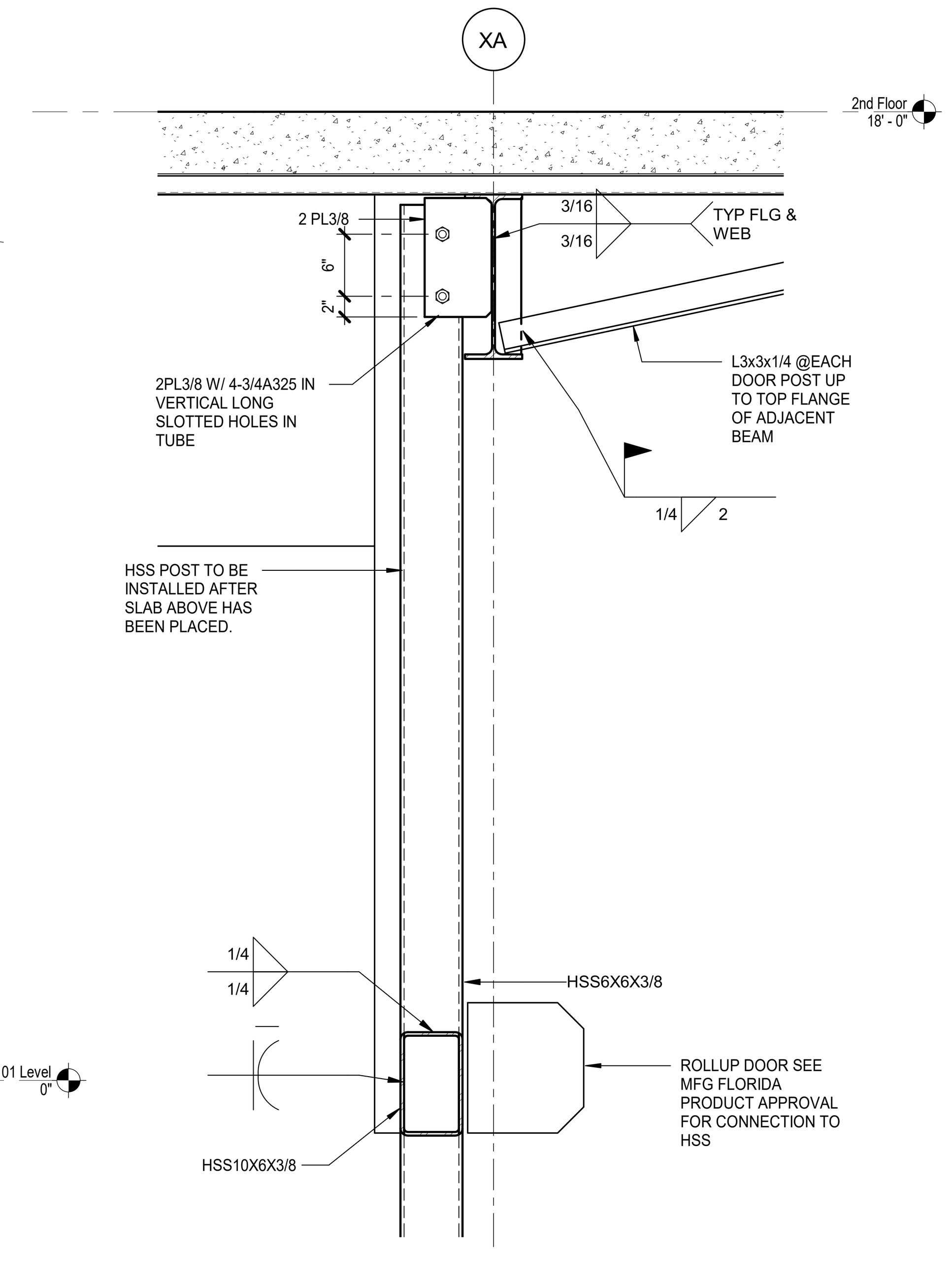
4 SECTION AT WALL
1" = 1'-0"



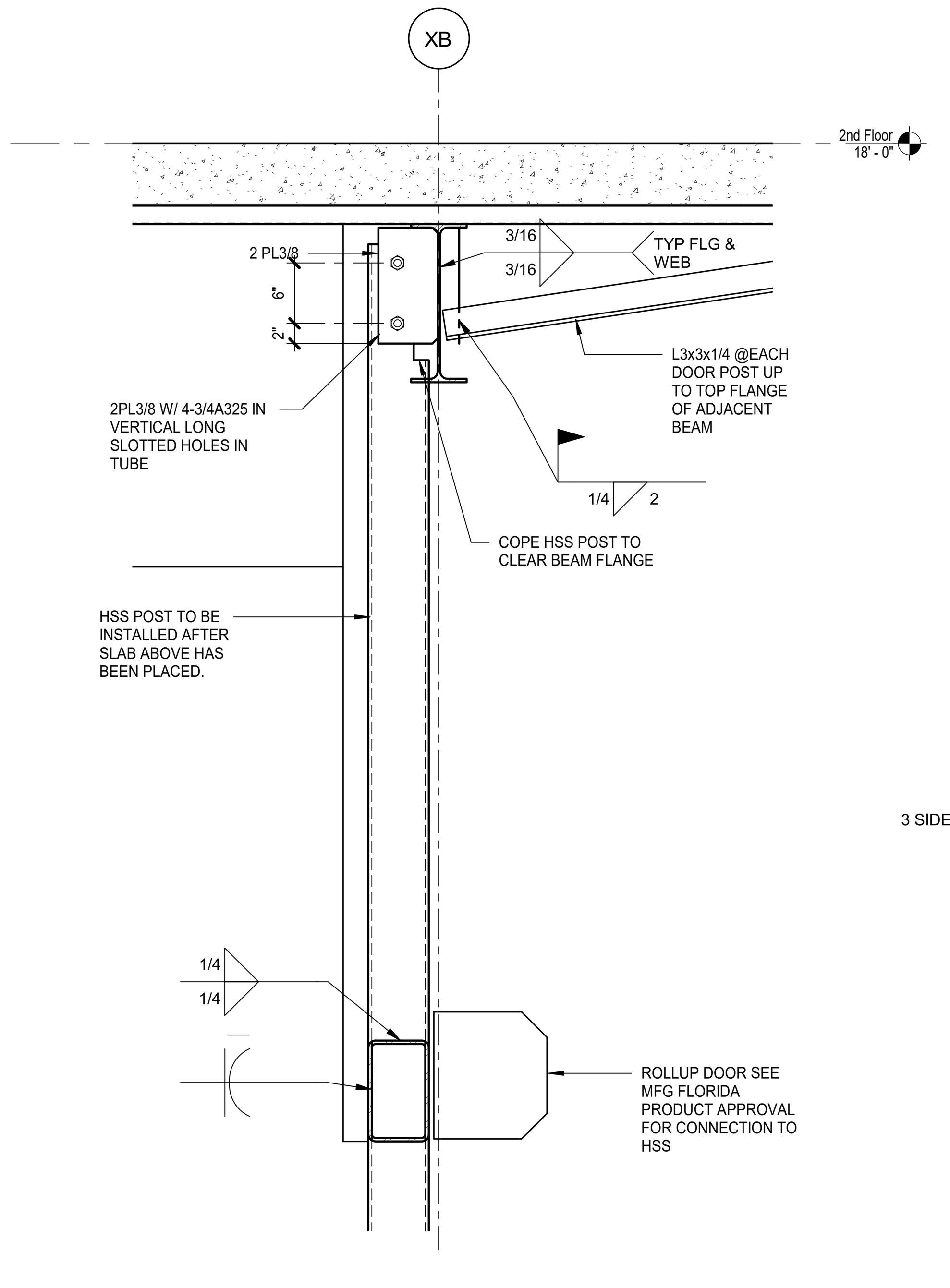
5 SECTION - ELEVATOR WALL
1" = 1'-0"



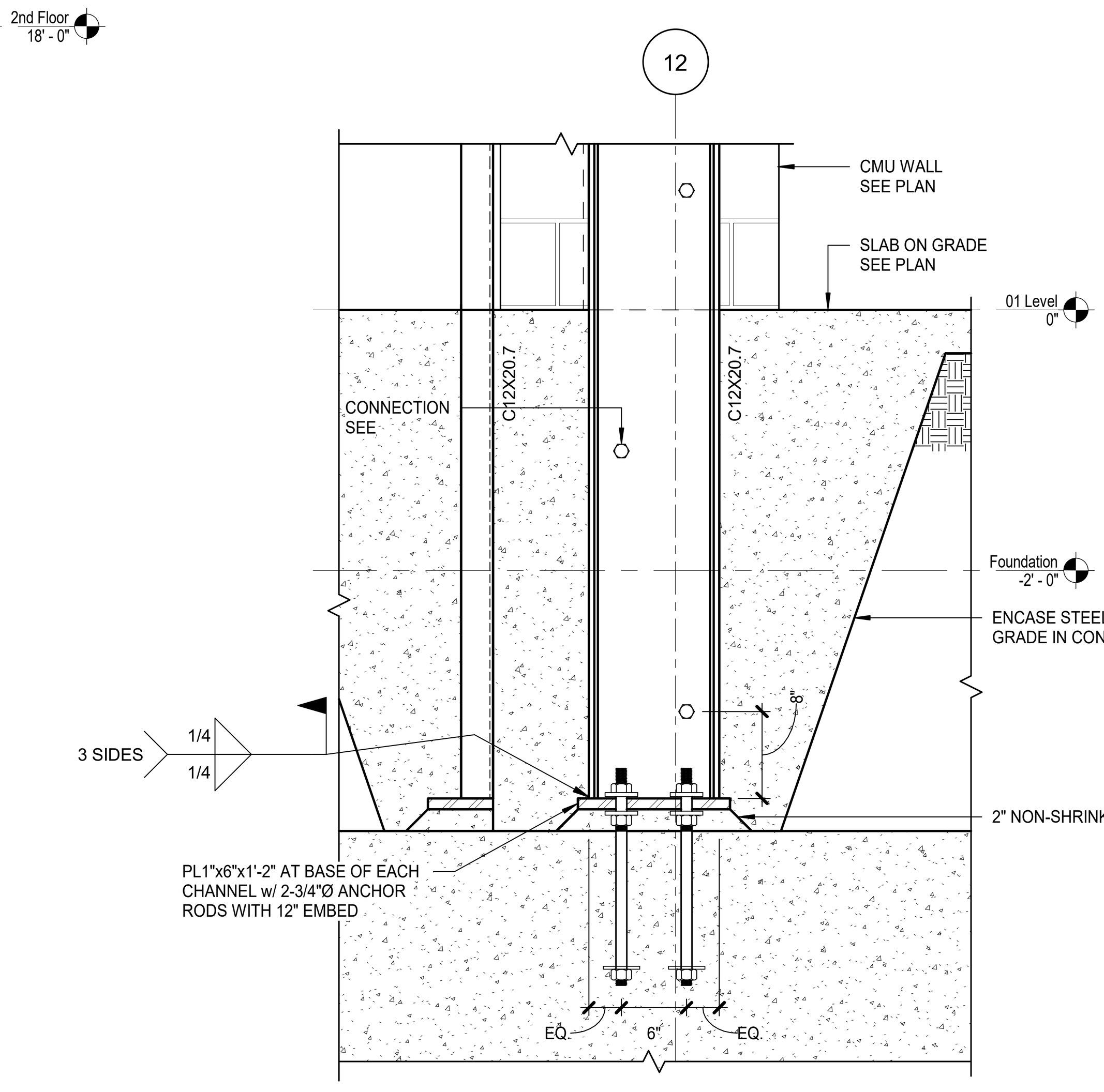
6 TYPICAL POST FOR ROLLUP DOOR SUPPORT
1" = 1'-0"



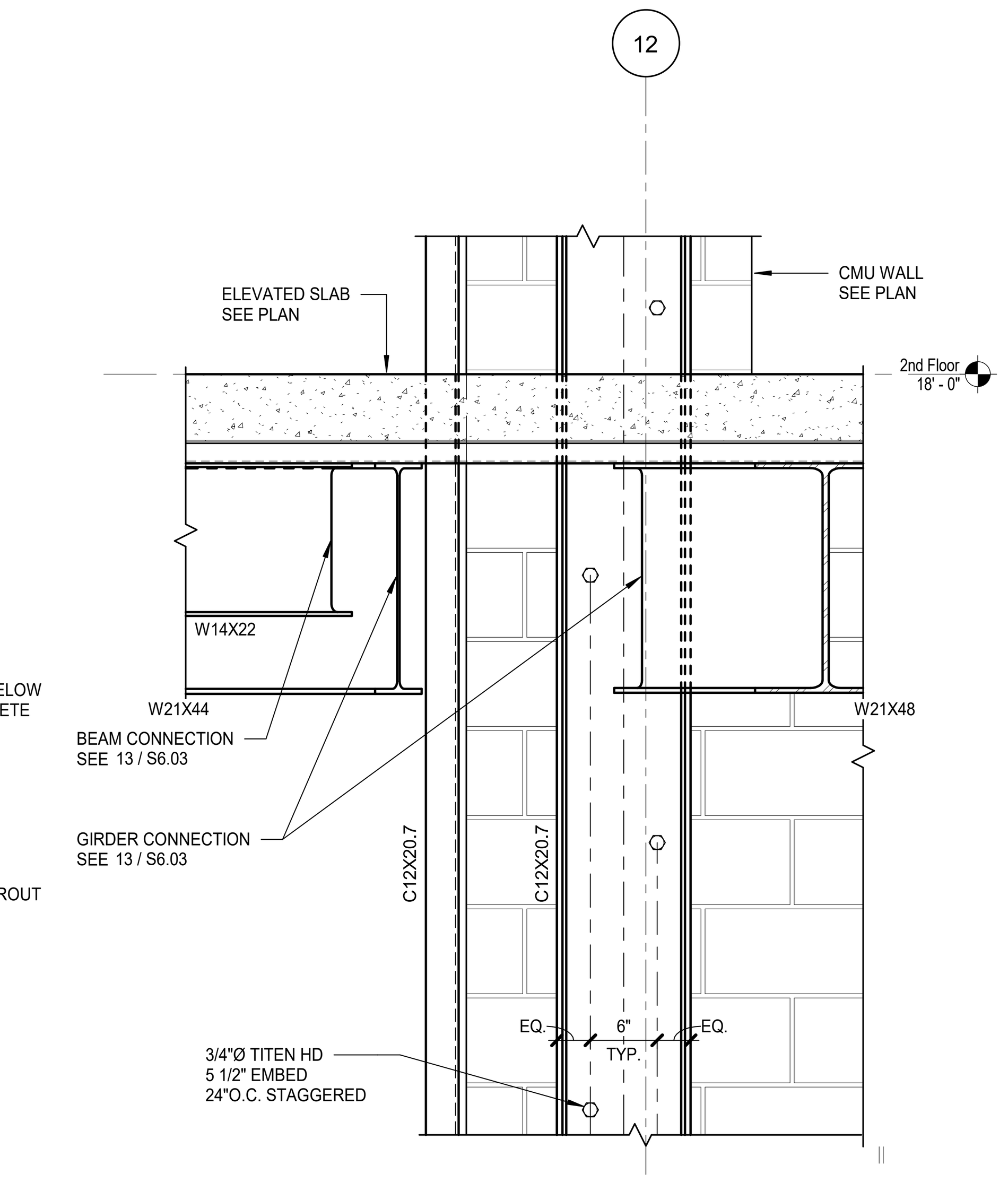
7 SECTION AT ROLLUP DOOR
1" = 1'-0"



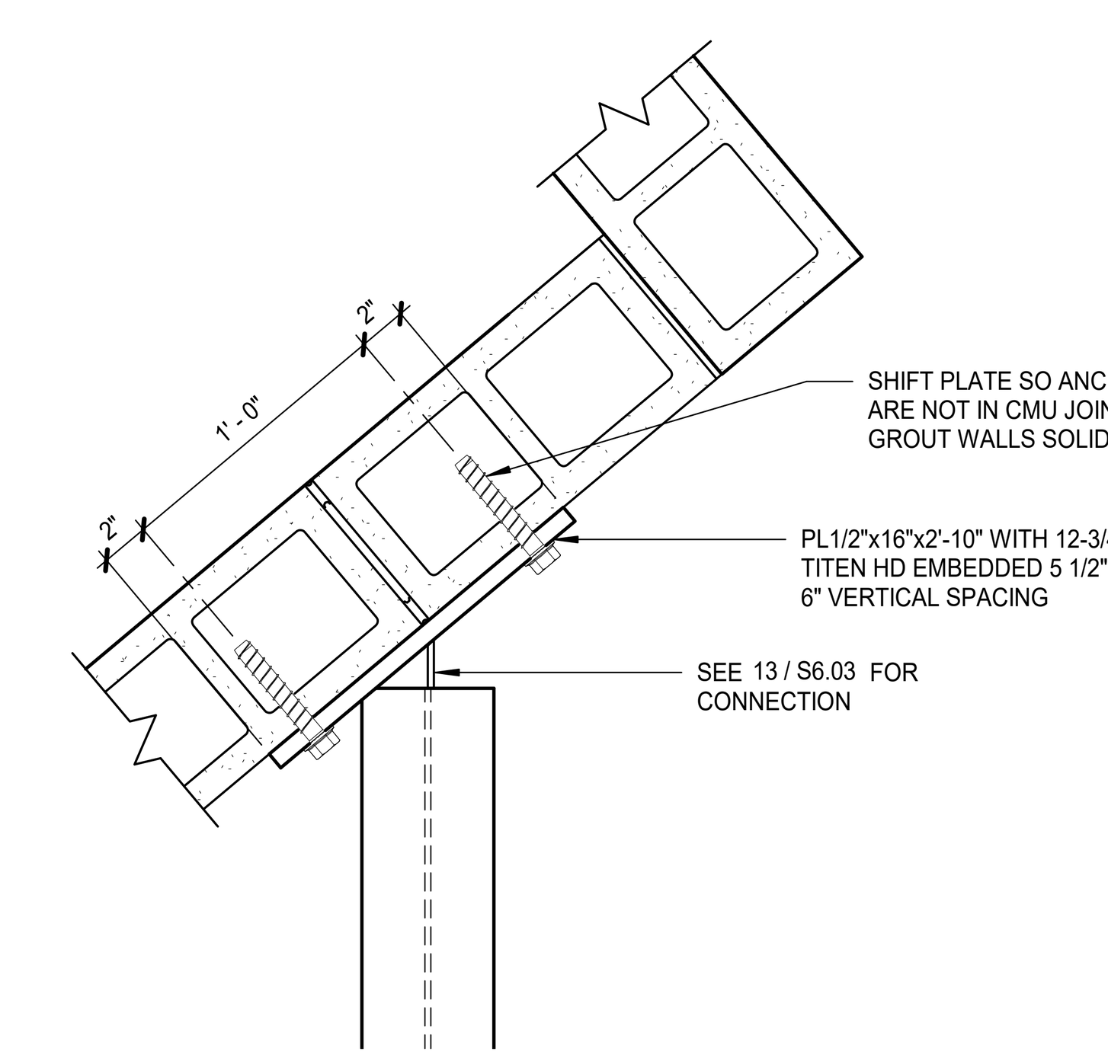
8 SECTION AT ROLLUP DOOR
1" = 1'-0"



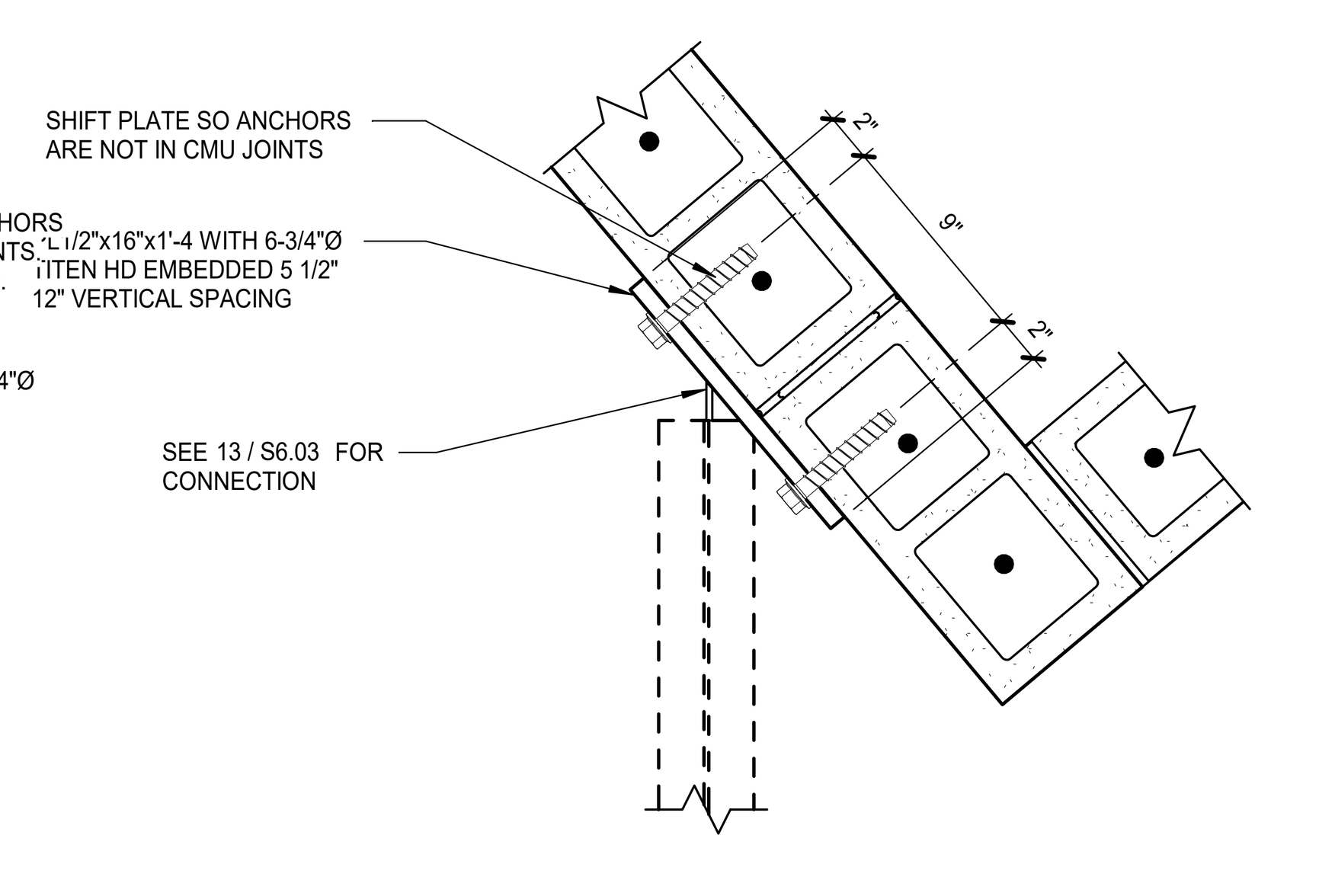
9 CHANNEL CONNECTION AT CMU WALL
AT BASE
1" = 1'-0"



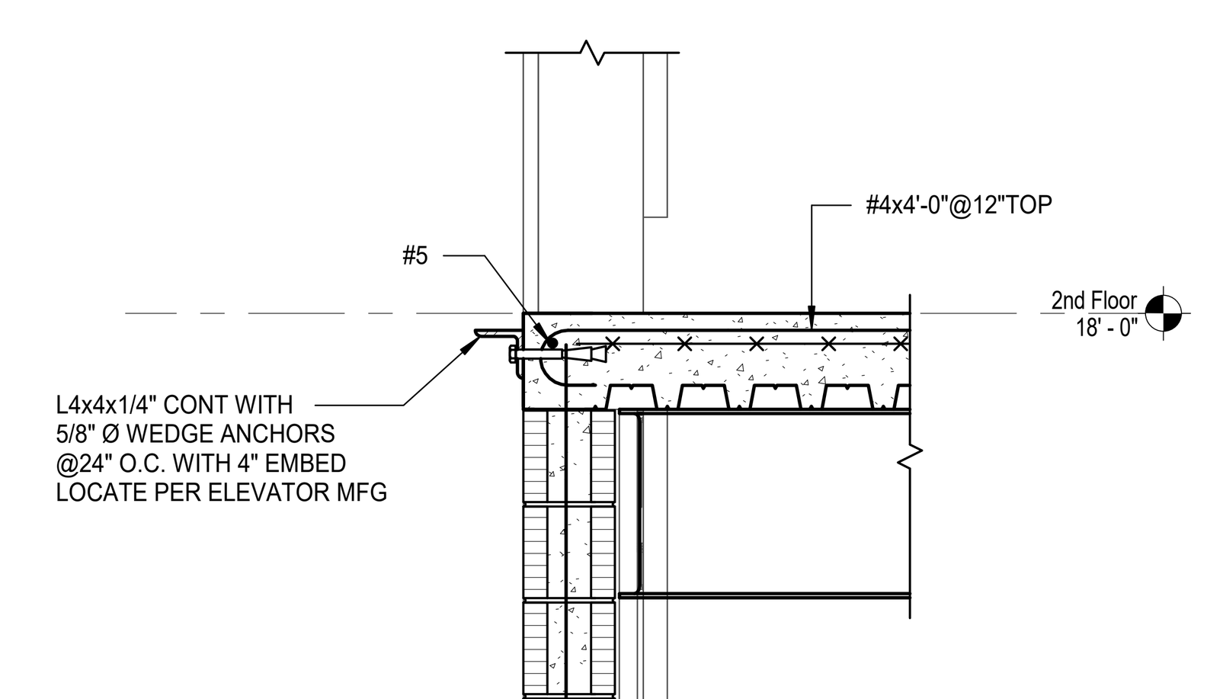
10 CHANNEL CONNECTION AT CMU WALL
AT GIRDER CONNECTION
1" = 1'-0"



11 STEEL BEAM TO CMU
1 1/2" = 1'-0"



12 STEEL BEAM TO CMU
1 1/2" = 1'-0"



13 SECTION AT ELEVATOR DOOR
3/4" = 1'-0"

ID:	REVISION:	DATE:

PHASE:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT	TLC	CSC	07/30/2021
50% CONSTRUCTION DOCUMENTS	TLC	CSC	10/07/2021
100% CONSTRUCTION DOCUMENTS	TLC	CSC	12/09/2021
ADDENDUM 1			
ADDENDUM 2			

TO THE BEST OF MY KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES.

Client:
Leon County R&D Authority
Tallahassee, Florida

Job Title:
North Florida Innovation Labs

Consultant:

BLISS & NYITRAY, INC.
STRUCTURAL ENGINEERS
Certificate of Authorization No. 674
227 N Bronough St., Suite 7300
Tallahassee, Florida 32301
T 850-222-4454 F 850-222-9425
www.bnengineers.com

Project #: 21414 / BNI No. 21T08
Phase: DESIGN DEVELOPMENT

ALW

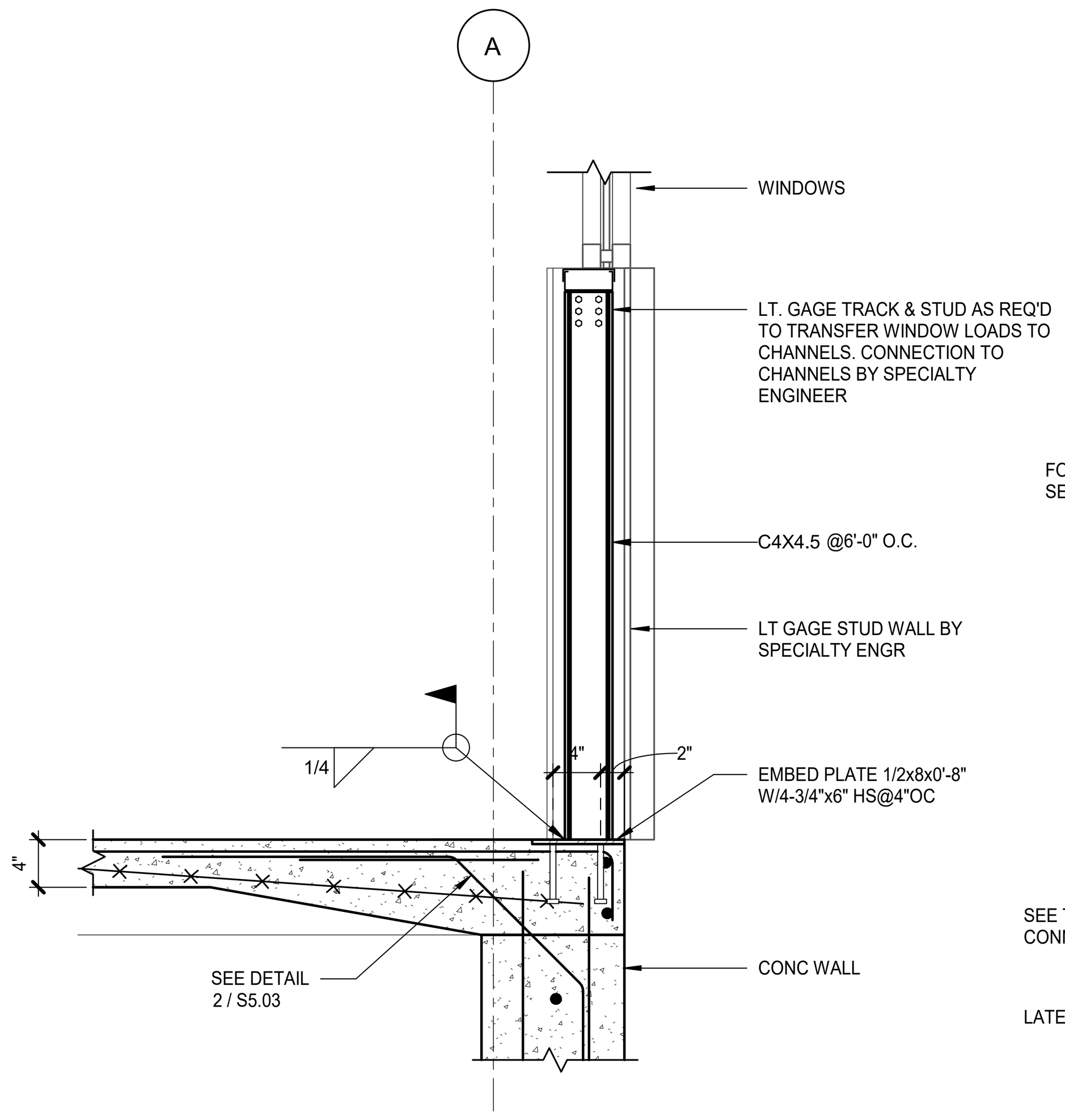
Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net

CHRISTOPHER S. CHILDERS
LICENSE
NO. 50812
STATE OF FLORIDA
PROFESSIONAL ENGINEER

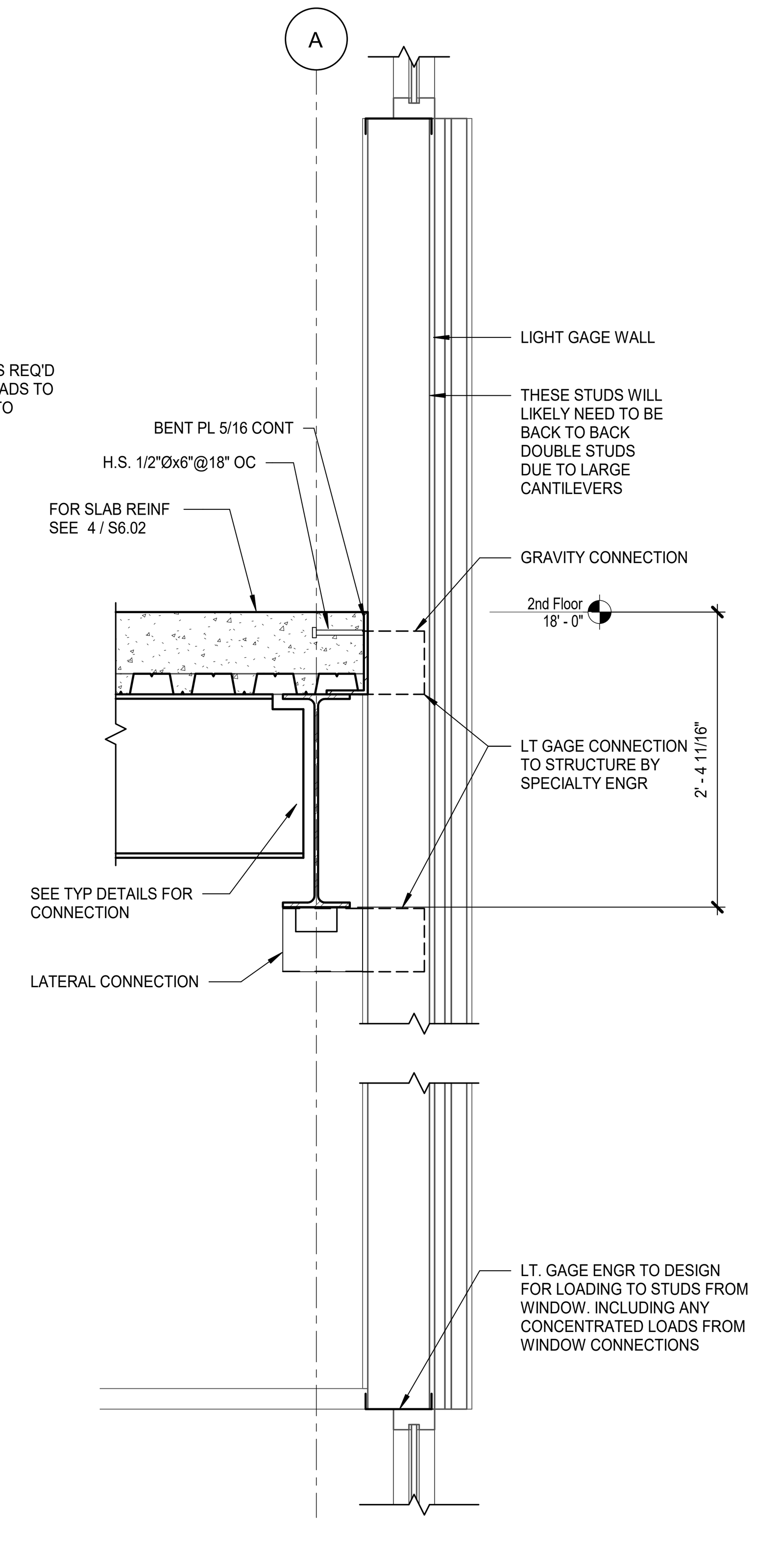
Christopher S. Childers, P.E.
Fla. Reg. No. 50812

Description:
STEEL DETAILS

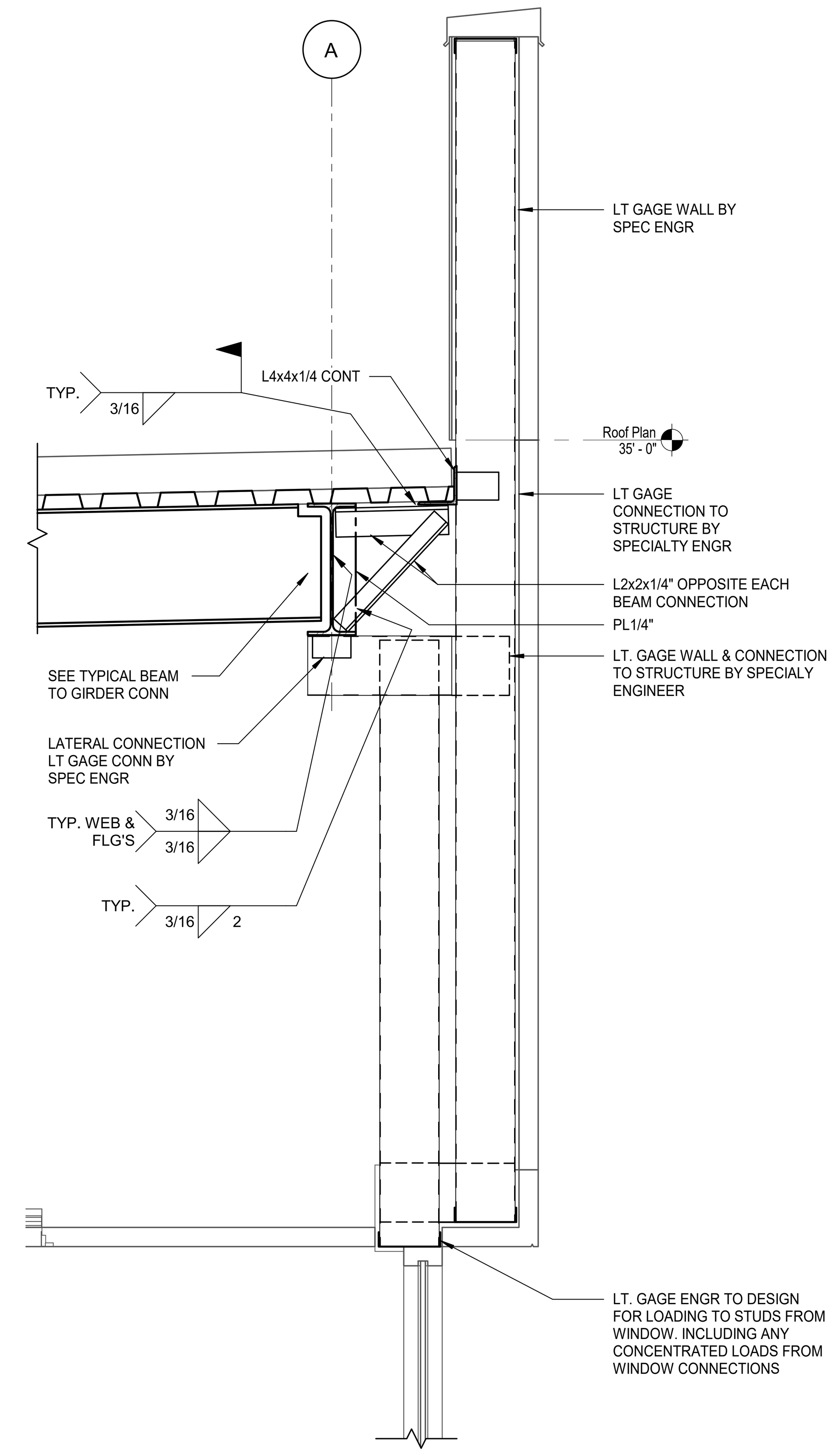
Sheet No.:
S6.05



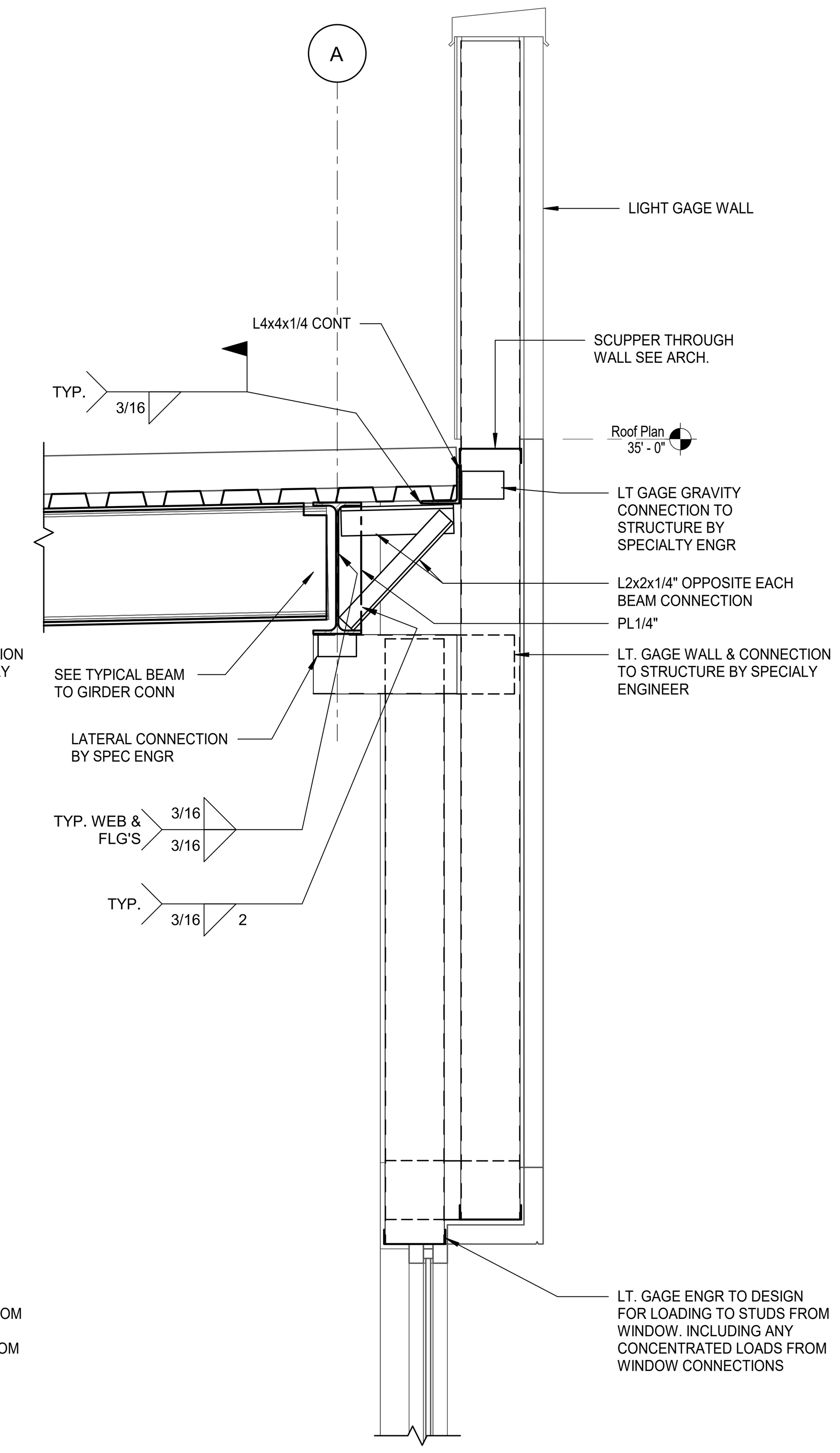
1 SECTION AT RIBBON WINDOW
LEVEL 1 — 1" = 1'-0"



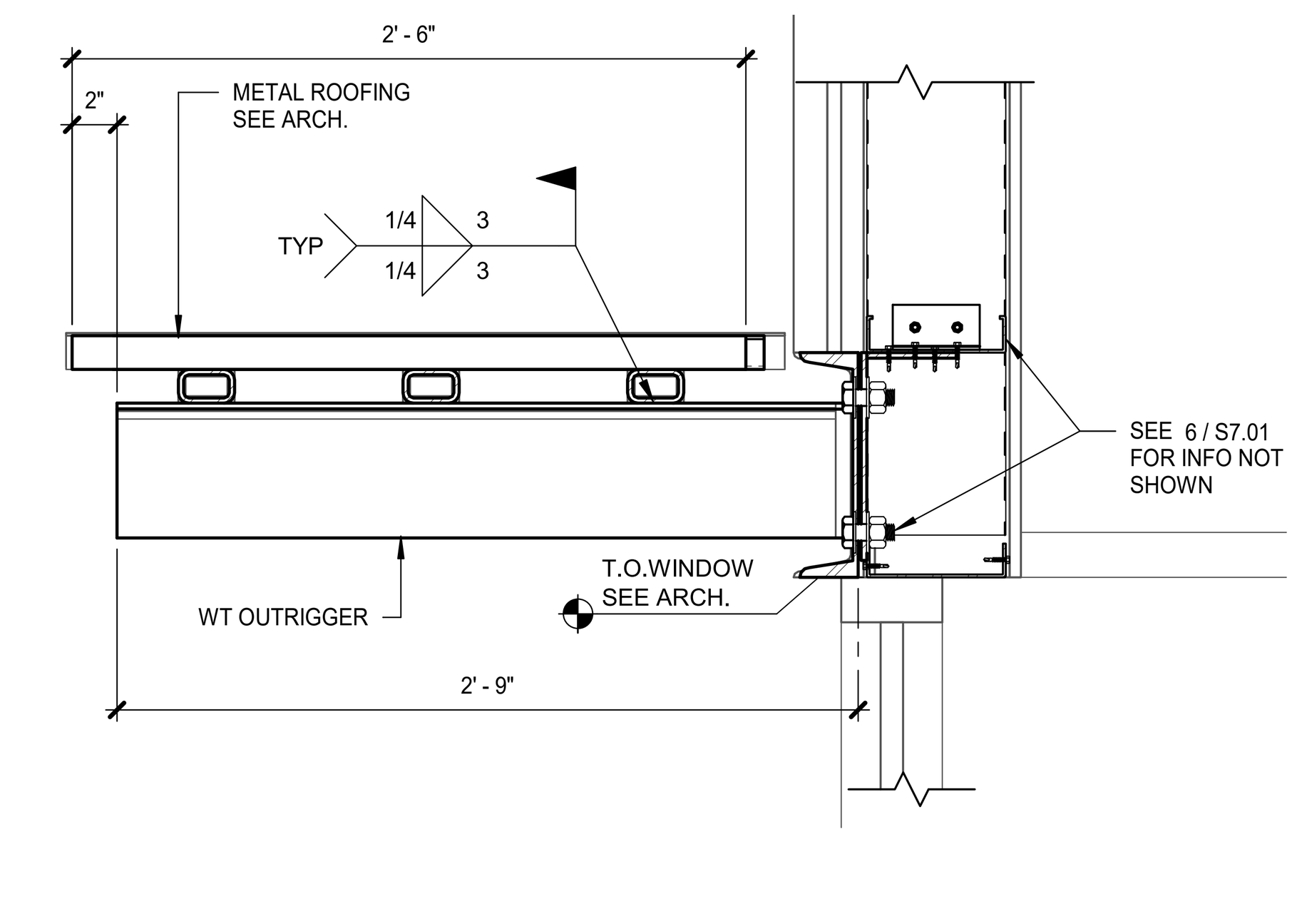
2 SECTION AT RIBBON WINDOW
LEVEL 2 — 1" = 1'-0"



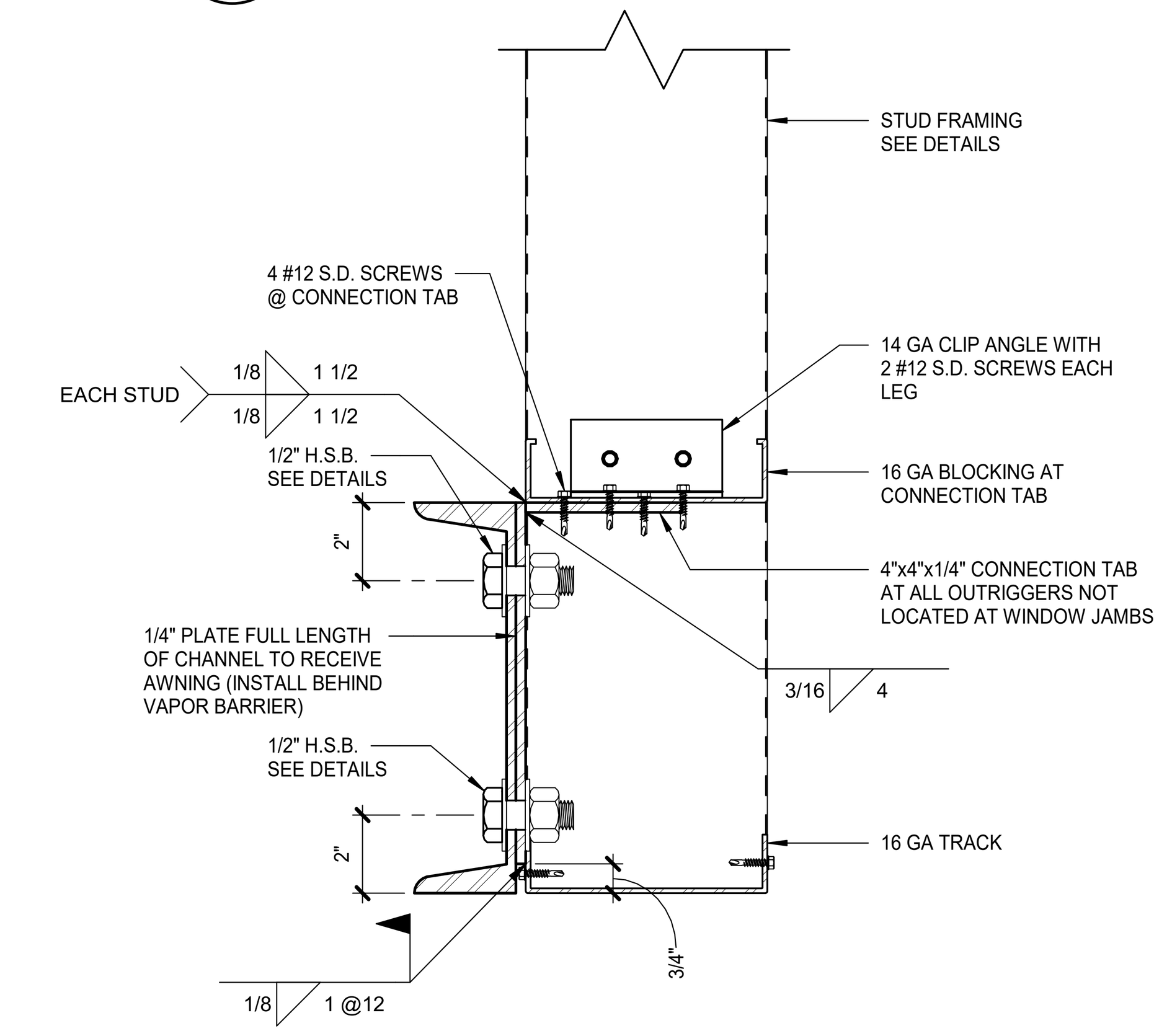
3 SECTION AT RIBBON WINDOW
ROOF LEVEL — 1" = 1'-0"



4 SECTION RIBON WINDOW AT SCUPPER
1" = 1'-0"



5 SECTION AT OUTRIGGER
1 1/2" = 1'-0"



6 SECTION
3" = 1'-0"

THESE DRAWINGS AND RENDERINGS ARE INSTRUMENTS OF SERVICE. THE DRAWINGS AND ASSOCIATED COPIES THEREOF INCLUDING ELECTRONIC MEDIA AND CADD FILES, ARE THE PROPERTY OF ARCHITECTS LEWIS + WHITLOCK, P.A. THEIR USE, REPRODUCTION OR REPRODUCTION FOR ANY PURPOSE EXCEPT BY WRITTEN AGREEMENT WITH THE ARCHITECT IS PROHIBITED. THIS COPYRIGHT NOTIFICATION SHALL BE TREATED AS IF DIRECTLY PLACED ON EACH DRAWING EXHIBIT OR RENDERING ON THIS DOCUMENT AND SHALL NOT BE REMOVED FROM THESE DOCUMENTS.

PHASE:	DRAWN:	REVIEWED:	DATE:
DESIGN DEVELOPMENT	TLC	CSC	07/30/2021
50% CONSTRUCTION DOCUMENTS	TLC	CSC	10/07/2021
100% CONSTRUCTION DOCUMENTS	TLC	CSC	12/09/2021
ADDENDUM 1			
ADDENDUM 2			

ID:	REVISION:	DATE:

TO THE BEST OF MY KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES.

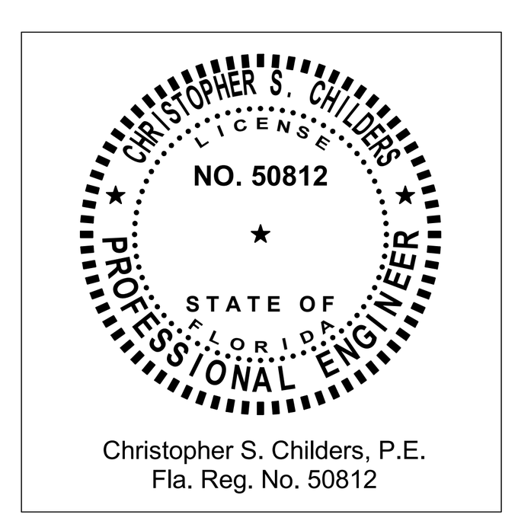
Client:
Leon County R&D Authority
Tallahassee, Florida

Job Title:
North Florida Innovation Labs

Consultant:
BLISS & NYITRAY, INC.
STRUCTURAL ENGINEERS
Certificate of Authorization No. 674
227 N Bronough St., Suite 7300
Tallahassee, Florida, 32301
T 850-222-4454 F 850-222-9425
www.bniengineers.com

Project #: 21414 / BNI No. 21T08
Phase: DESIGN DEVELOPMENT

ALW
Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net



Christopher S. Childers, P.E.
Fla. Reg. No. 50812

Description:
LIGHT GAGE DETAILS

Sheet No.:
S7.01