

SHENANDOAH SCHOOL CORPORATION

NEW TRANSPORTATION CENTER

5100 NORTH RAIDER RD, MIDDLETOWN, INDIANA 47356

CONSTRUCTION DOCUMENTS

09/02/2026



ARCHITECTURAL RENDERING

SHEET INDEX	
GENERAL / CIVIL / LANDSCAPE / ARCHITECTURAL / STRUCTURAL / PLUMBING / MECHANICAL / ELECTRICAL / TECHNOLOGY	
SHEET NUMBER	SHEET NAME
G0.1	COVER SHEET
G1.0	CODE PLANS
S3.1.1	SITE SURVEY
S3.1.2	SITE SURVEY
LD1.1	SITE DEMOLITION PLAN
C1.0	SITE UTILITIES PLAN
C2.0	SITE GRADING PLAN
C3.0	EROSION CONTROL PLAN
L1.1	SITE LAYOUT AND MATERIALS PLAN
L1.2	SITE LAYOUT AND MATERIALS PLAN
L2.1	SITE DETAILS
A0.1	ABBREVIATIONS - GENERAL NOTES - LEGEND - TYPICAL DETAILS
A1.1	FIRST FLOOR PLAN - MEZZANINE PLAN - FIRST FLOOR REFLECTED CEILING PLAN
A1.2	FIRST FLOOR PLAN UNIT E - ENLARGED RESTROOM PLAN - WALL TYPES
A1.3	ENLARGED STAIR PLANS, SECTIONS, DETAILS
A2.1	EXTERIOR ELEVATIONS
A2.2	EXTERIOR ELEVATIONS
A3.1	BUILDING SECTIONS - WALL SECTIONS - DETAILS
A5.1	ROOF PLAN
A6.1	DOOR SCHEDULE AND DETAILS
A8.1	FIRST FLOOR EQUIPMENT PLAN
A9.1	FINISH PLANS AND DETAILS
S0.1	GENERAL STRUCTURAL INFORMATION
S1.1	STRUCTURAL PLANS

SHEET INDEX	
GENERAL / CIVIL / LANDSCAPE / ARCHITECTURAL / STRUCTURAL / PLUMBING / MECHANICAL / ELECTRICAL / TECHNOLOGY	
SHEET NUMBER	SHEET NAME
S2.1	STRUCTURAL DETAILS
S2.2	STRUCTURAL DETAILS
P1.1	GENERAL NOTES, ABBREVIATIONS, LEGENDS AND SHEET INDEX
P2.1	UNDER SLAB AND FIRST FLOOR PLUMBING PLAN - UNIT B
P5.1	PLUMBING SCHEDULES
M1.1	GENERAL NOTES, ABBREVIATIONS, LEGENDS AND SHEET INDEX
M2.1	FIRST FLOOR AND MEZZANINE MECHANICAL PLAN - UNIT B
M5.1	MECHANICAL SCHEDULES
E1.1	GENERAL NOTES, ABBREVIATIONS, LEGENDS AND SHEET INDEX
E1.2	ELECTRICAL DETAILS, RISER DIAGRAM, PANEL SCHEDULES
E2.1	SITE ELECTRICAL PLAN
E3.1	SYSTEMS PLAN - UNIT A, B, C & D
E3.2	SYSTEMS PLAN - UNIT E
E4.1	LIGHTING PLAN - UNIT A, B, C & D
E4.2	LIGHTING PLAN - UNIT E, LUMINAIRE SCHEDULE
E5.1	POWER PLAN - UNIT A, B, C & D
E5.2	POWER PLAN - UNIT E
T1.1	GENERAL NOTES, ABBREVIATIONS, LEGENDS, DIAGRAMS AND SHEET INDEX
T1.2	TECHNOLOGY DETAILS
T1.3	TECHNOLOGY OUTLET TYPES
T2.1	TECHNOLOGY SITE PLAN
T3.1	ENLARGED TECHNOLOGY ROOM
TC1.1	TECHNOLOGY PLAN - UNIT A, B, C, & D
TC1.2	TECHNOLOGY PLAN - UNIT E

STRUCTURAL ENGINEER:

JEZERINAC GEERS & ASSOCIATES, INC.

5640 DUBLIN RD,
DUBLIN, OH 43017
(614) 766-0066

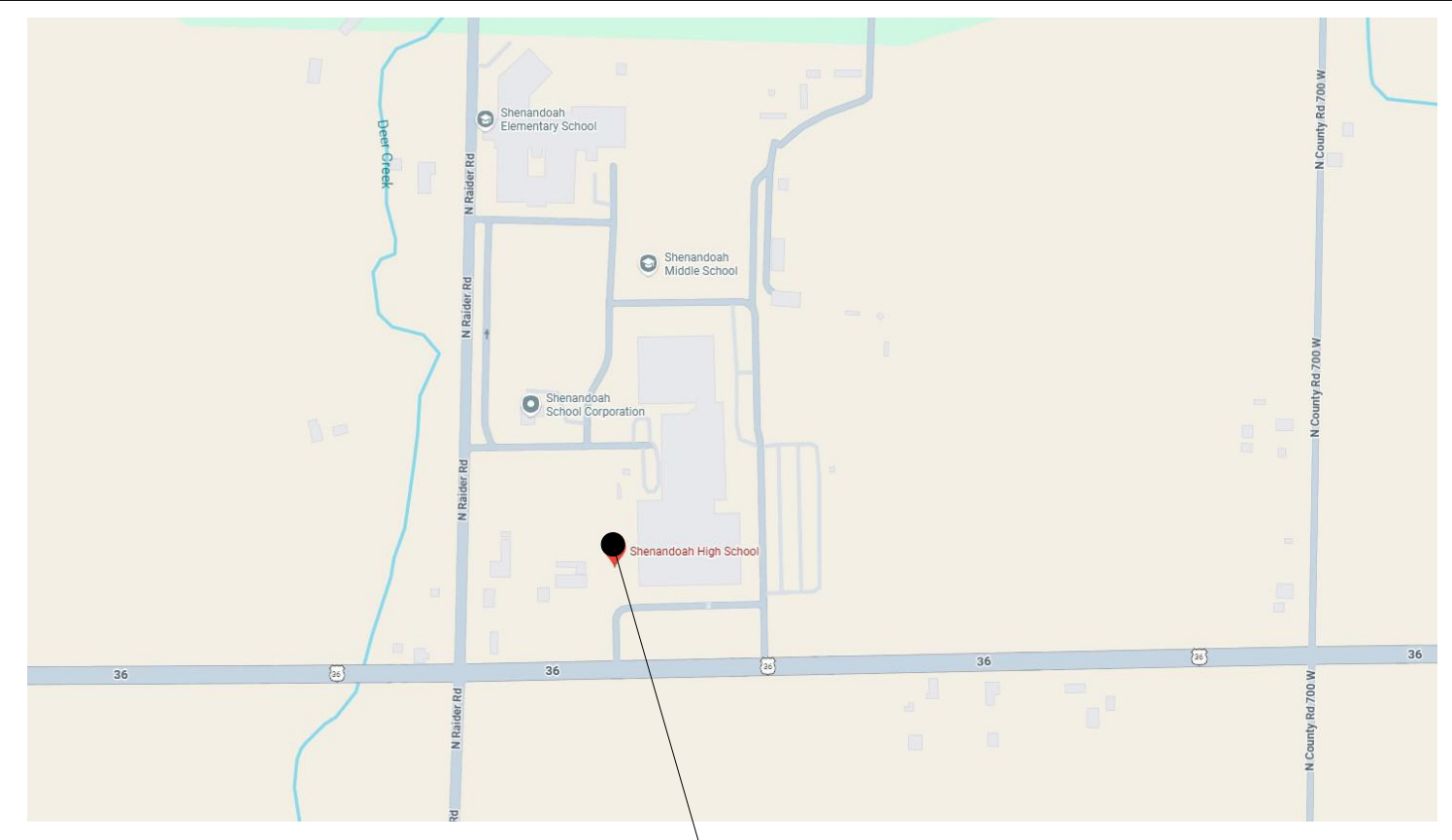


BOARD OF EDUCATION

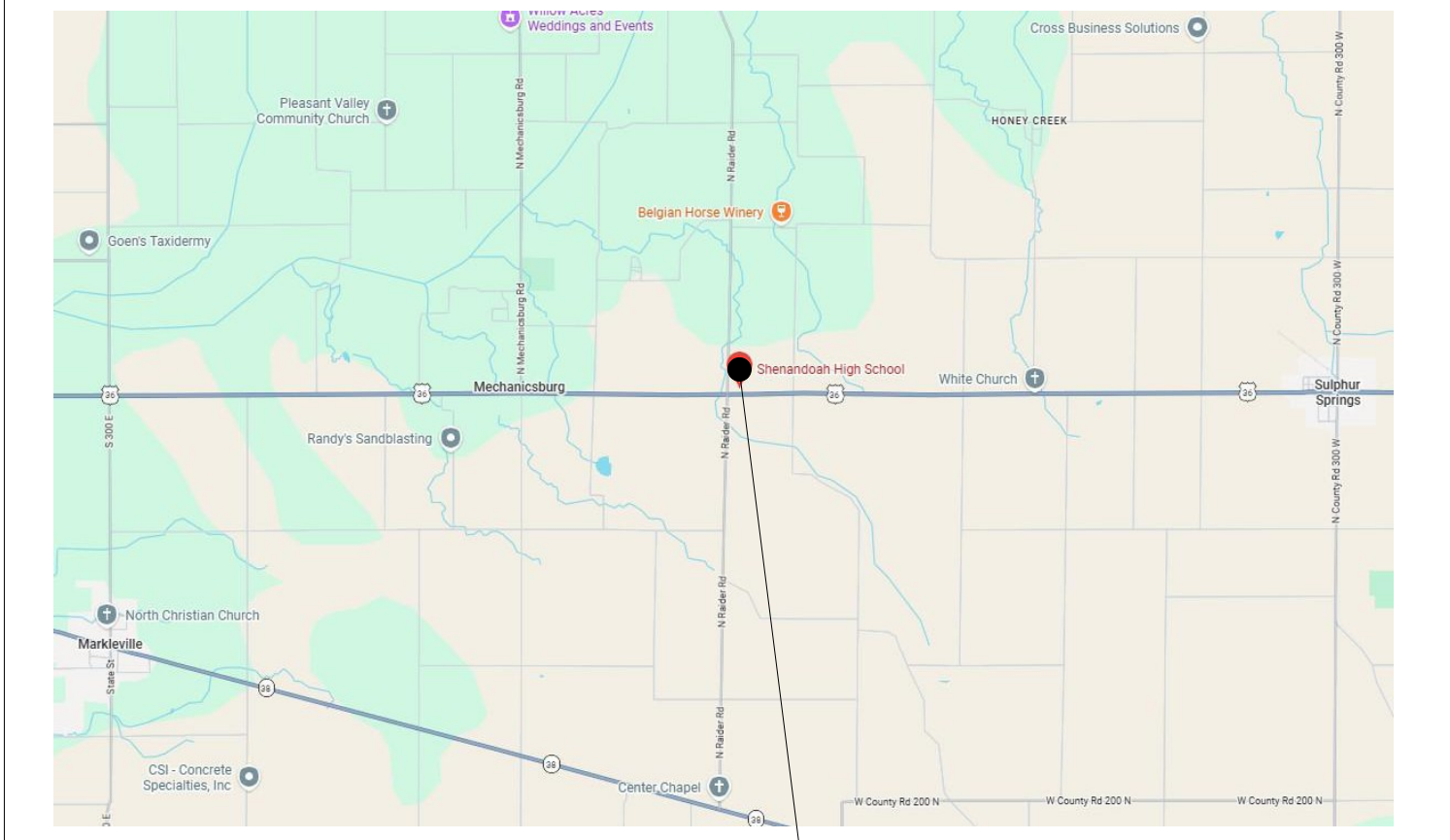
BOARD PRESIDENT.....PHIL CHANDLER
BOARD MEMBER.....KRISTOFFER GRAY
BOARD MEMBER.....JUSTIN HELMAN
BOARD MEMBER.....CARL HILL
BOARD MEMBER.....CAMERON MCILRATH

ADMINISTRATION

SUPERINTENDENT.....JAKE WIESE
DIRECTOR OF OPERATIONS.....TONY BRANDON



5100 N RAIDER RD,
MIDDLETOWN, INDIANA 47356



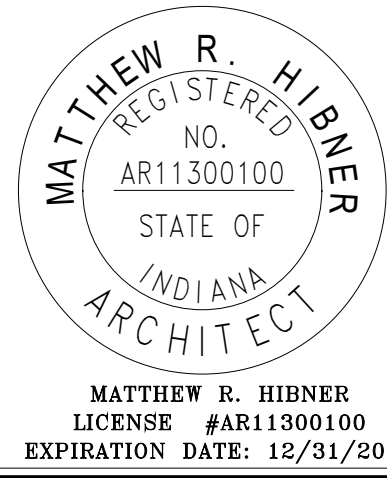
5100 N RAIDER RD,
MIDDLETOWN, INDIANA 47356

ARCHITECTS
MECHANICAL, CIVIL
ELECTRICAL &
PLUMBING ENGINEERS
LANDSCAPE ARCHITECTS
TECHNOLOGY DESIGNERS
INTERIOR DESIGNERS
MASTER PLANNING



GARMANN
MILLER

creategm.com



SHENANDOAH SCHOOL CORPORATION
NEW TRANSPORTATION CENTER

ISSUANCES/REVISIONS	
CONSTRUCTION DOCUMENTS	09/02/2025

PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
25031.00	MD8	MRH

SHEET TITLE:

COVER SHEET

SHEET NUMBER:
G0.1

CODE INFORMATION

BUILDING DESCRIPTION: NEW BUS STORAGE CANOPIES AND BUS MAINTENANCE FACILITY WITH OFFICE SPACE

APPLICABLE CODE: 2014 INDIANA BUILDING CODE

NUMBER OF EXITS: 3

DESIGN UNIFORM LOAD: SEE STRUCTURAL SHEETS

PLUMBING FIXTURE COUNT

TOTAL OCCUPANT LOAD = 24
(BASED ON NON-SIMULTANEOUS USE)

FIXTURES REQUIRED

24 / 25 = 1 WATER CLOSET
24 / 40 = 1 LAVATORY
48 / 100 = 1 DRINKING FOUNTAIN
1 SERVICE SINK

ACTUAL PROVIDED
2 WATER CLOSETS
2 LAVATORIES
2 DRINKING FOUNTAINS
1 SERVICE SINK

BUILDING AREA 1 [BUS MAINTENANCE GARAGE]

OCCUPANCY / USE GROUP: B, S-1

CONSTRUCTION TYPE: TYPE V-B

ALLOWABLE AREA (TABLE 506.2): 9,000 SF

AUTOMATIC SPRINKLER AREA INCREASE (TABLE 506.3) (200%): N/A

BUILDING FRONTAGE AREA INCREASE (TABLE 506.3): NOT REQUIRED

AUTOMATIC SPRINKLER SYSTEM (903.2.9.1): SPRINKLERS NOT REQUIRED FOR S-1 REPAIR GARAGES WHERE FIRE AREA IS LESS THAN 5,000 SF.

TOTAL ALLOWABLE AREA: 5,000 SF

ACTUAL BUILDING AREA: 4,354 SF

BUILDING AREA 2 [CANOPY]

OCCUPANCY / USE GROUP: S-2

CONSTRUCTION TYPE: TYPE V-B

ALLOWABLE AREA (TABLE 506.2): 9,000 SF

AUTOMATIC SPRINKLER AREA INCREASE (TABLE 506.3) (200%): N/A

BUILDING FRONTAGE AREA INCREASE (TABLE 506.3): NOT REQUIRED

TOTAL ALLOWABLE AREA: 9,000 SF

ACTUAL BUILDING AREA: SEE SCHEDULE

BUILDING AREA 3 [CANOPY]

OCCUPANCY / USE GROUP: S-2

CONSTRUCTION TYPE: TYPE V-B

ALLOWABLE AREA (TABLE 506.2): 9,000 SF

AUTOMATIC SPRINKLER AREA INCREASE (TABLE 506.3) (200%): N/A

BUILDING FRONTAGE AREA INCREASE (TABLE 506.3): NOT REQUIRED

TOTAL ALLOWABLE AREA: 9,000 SF

ACTUAL BUILDING AREA: SEE SCHEDULE

BUILDING AREA 4 [CANOPY]

OCCUPANCY / USE GROUP: S-2

CONSTRUCTION TYPE: TYPE V-B

ALLOWABLE AREA (TABLE 506.2): 9,000 SF

AUTOMATIC SPRINKLER AREA INCREASE (TABLE 506.3) (200%): N/A

BUILDING FRONTAGE AREA INCREASE (TABLE 506.3): NOT REQUIRED

TOTAL ALLOWABLE AREA: 9,000 SF

ACTUAL BUILDING AREA: SEE SCHEDULE

BUILDING AREA SCHEDULE

AREA NUMBER	LEVEL	AREA	OCCUPANCY
AREA 1	FIRST FLOOR	3363 SF	B, S-1
AREA 1b	MEZZANINE	922 SF	S-1
AREA 2	FIRST FLOOR	1499 SF	S-2
AREA 3	FIRST FLOOR	2943 SF	S-2
AREA 4	FIRST FLOOR	4166 SF	S-2
Grand total		12893 SF	

CODE PLAN LEGEND

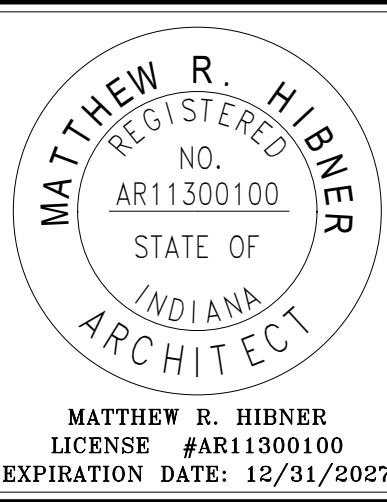
- ⊗ — OCCUPANT LOAD THROUGH EXIT
FE — FIRE EXTINGUISHER
XX' — CLEAR EXIT WIDTH
XXX — ALLOWABLE NUMBER OF OCCUPANTS THROUGH EXIT
KB — KNOX BOX

OCCUPANCY GROUPS USED

- B BUSINESS
S STORAGE

OCCUPANCY TABULATION PER IBC TABLE 1004.1.2

ROOM NUMBER	NAME	AREA (GROSS)	OCCUPANT LOAD FACTOR	OCCUPANTS	NUMBER OF EXITS
A101	BUS CANOPY	1,479 SF	300	5	
B100	MAINTENANCE GARAGE	2,220 SF	300	8	3
B101	CONFERENCE ROOM	473 SF	100	5	1
B102	RESTROOM	62 SF			
B103	RESTROOM	62 SF			
B104	MECHANICAL/ELECTRICAL ROOM	119 SF	300	1	1
B105	OFFICE	173 SF	100	2	1
B201	MEZZANINE	643 SF	300	3	1
B202	EQUIPMENT PLATFORM	264 SF	300	1	
C101	BUS CANOPY	1,419 SF	300	5	
D101	MINI BUS CANOPY	1,329 SF	300	5	
E101	BUS CANOPY	3,849 SF	300	13	



SHENANDOAH SCHOOL CORPORATION NEW
TRANSPORTATION CENTER

NEW BUILDING FOR

5109 NORTH BARDEN RD. MIDDELTOWN, INDIANA 47056

ISSUANCES/REVISIONS

CONSTRUCTION DOCUMENTS 09/02/2025

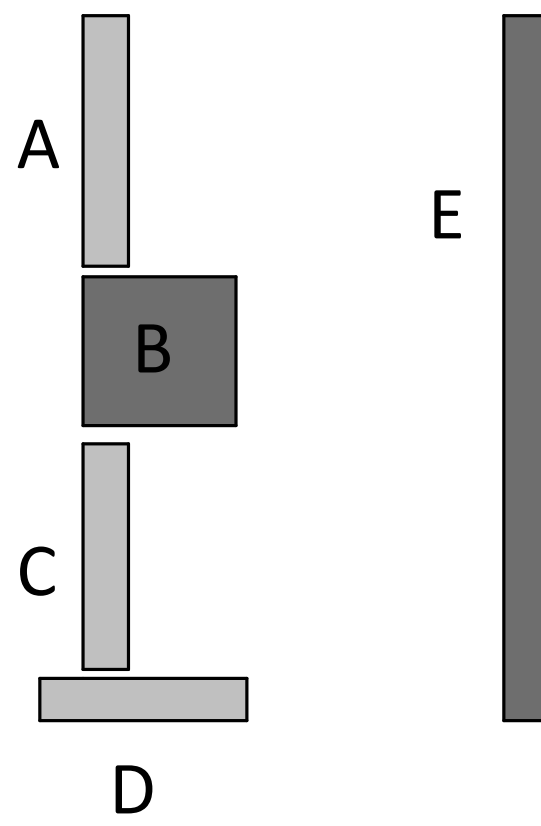
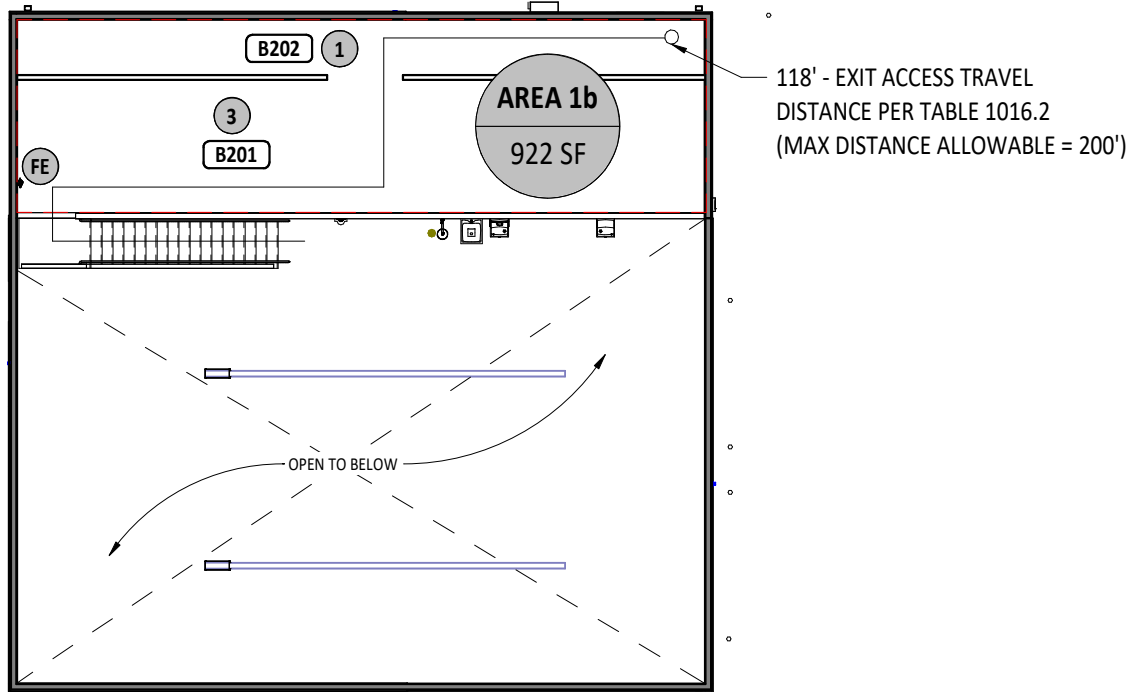
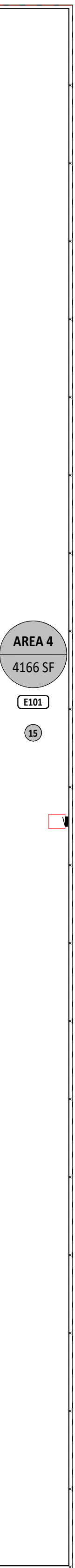
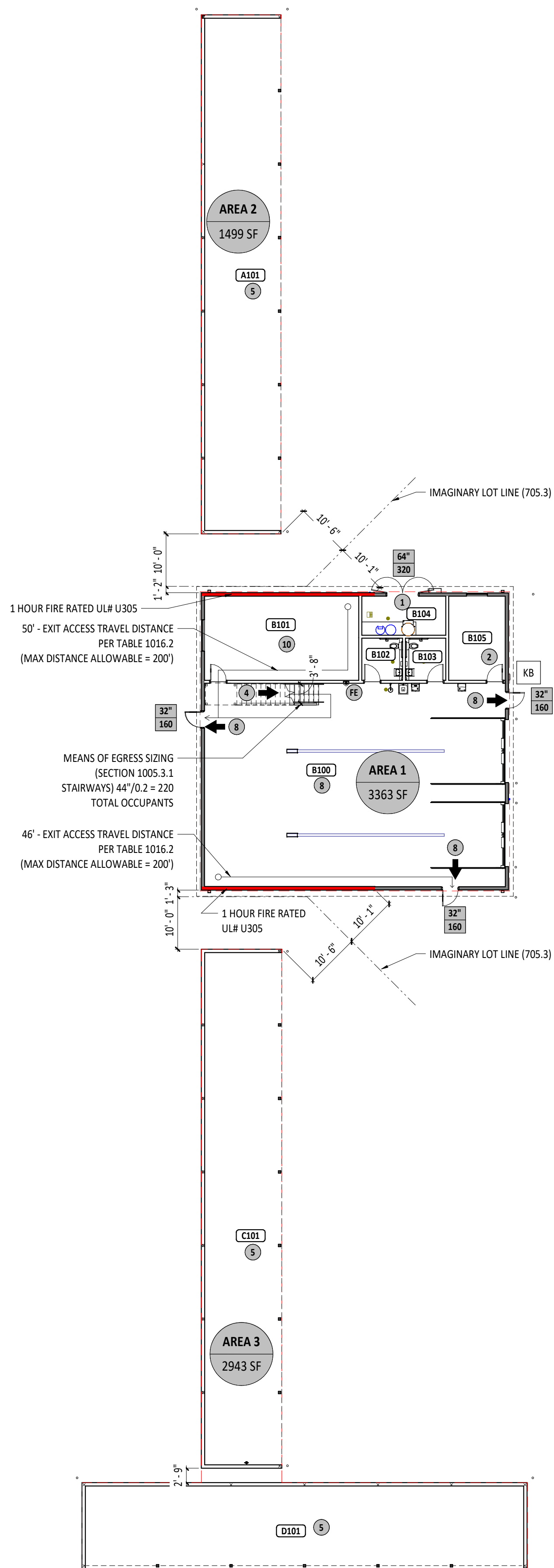
PROJECT NUMBER: 25031.00
DRAWN BY: TAL
CHECKED BY: MRH

SHEET TITLE:

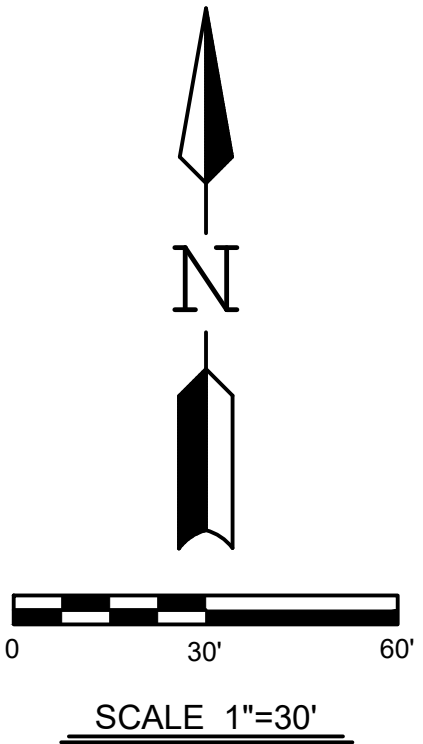
CODE PLANS

SHEET NUMBER:

G1.0



KEY PLAN



INDIANAPOLIS, INDIANA 47556
MIDDLEBURY, INDIANA 47356
www.garmannmiller.com

SHENANDOAH SCHOOL CORPORATION NEW TRANSPORTATION CENTER

71354 US-36, MIDDLETOWN, INDIANA 47356

ISSUANCES/REVISIONS
CONSTRUCTION DOCUMENTS 09/02/2025

PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
25107.00	TJB	JLM

SHEET TITLE:

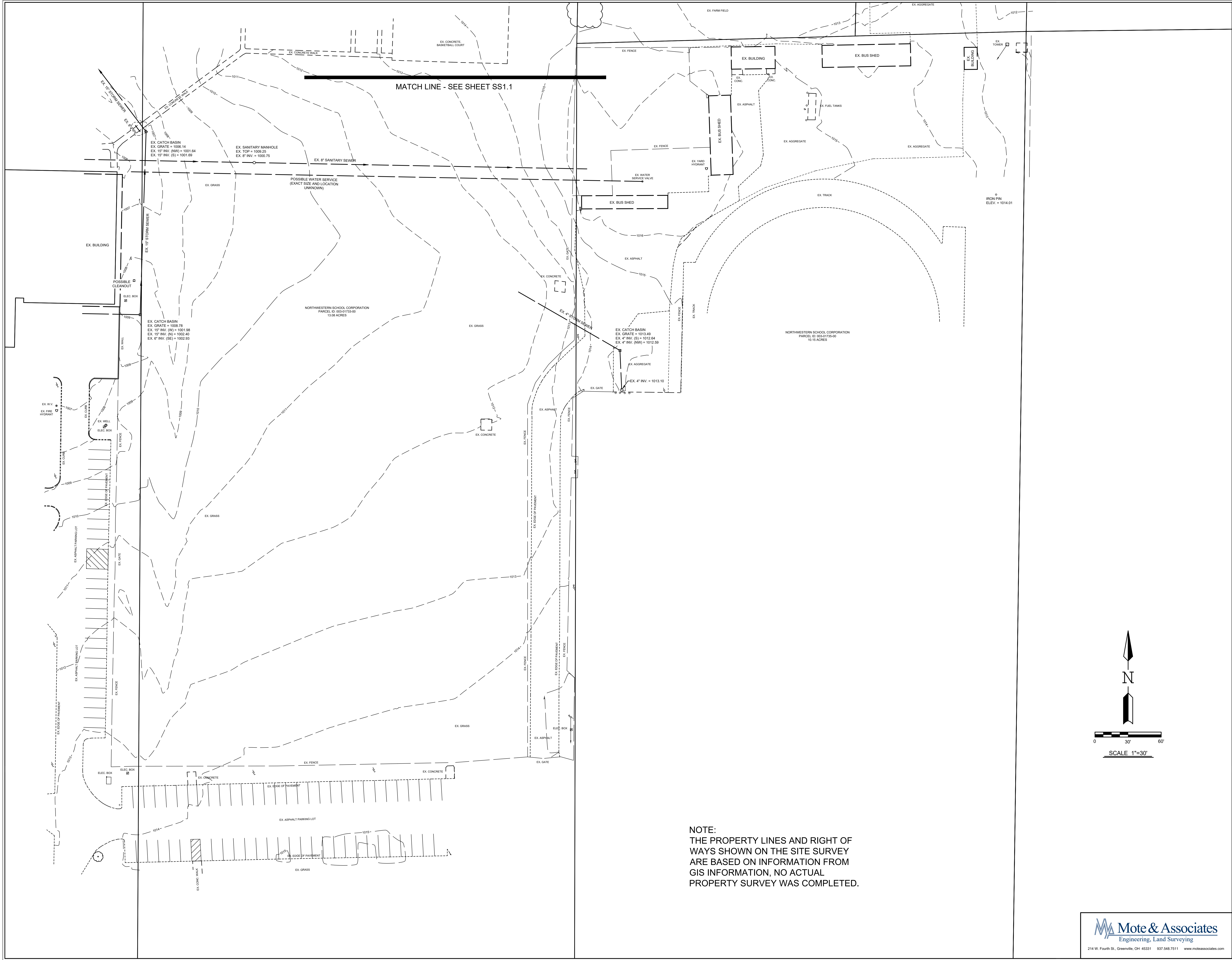
SITE SURVEY

SHEET NUMBER:

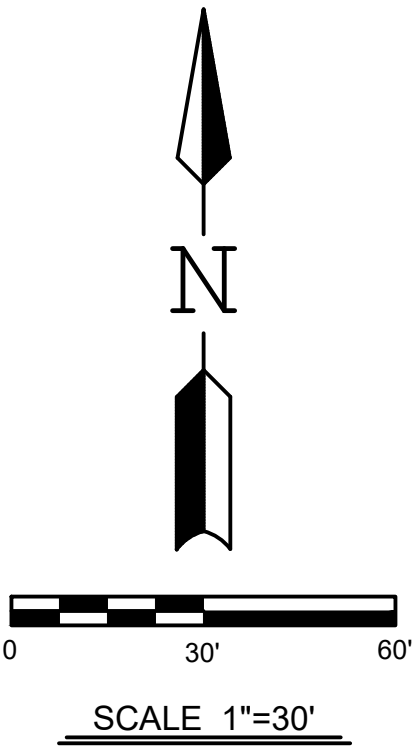
SS1.1

Mote & Associates
Engineering, Land Surveying
214 W. Fourth St., Greenville, OH 45331 937.548.7511 www.moteassociates.com





NOTE:
THE PROPERTY LINES AND RIGHT OF
WAYS SHOWN ON THE SITE SURVEY
ARE BASED ON INFORMATION FROM
GIS INFORMATION, NO ACTUAL
PROPERTY SURVEY WAS COMPLETED.



**SHENANDOAH SCHOOL CORPORATION
NEW TRANSPORTATION CENTER**

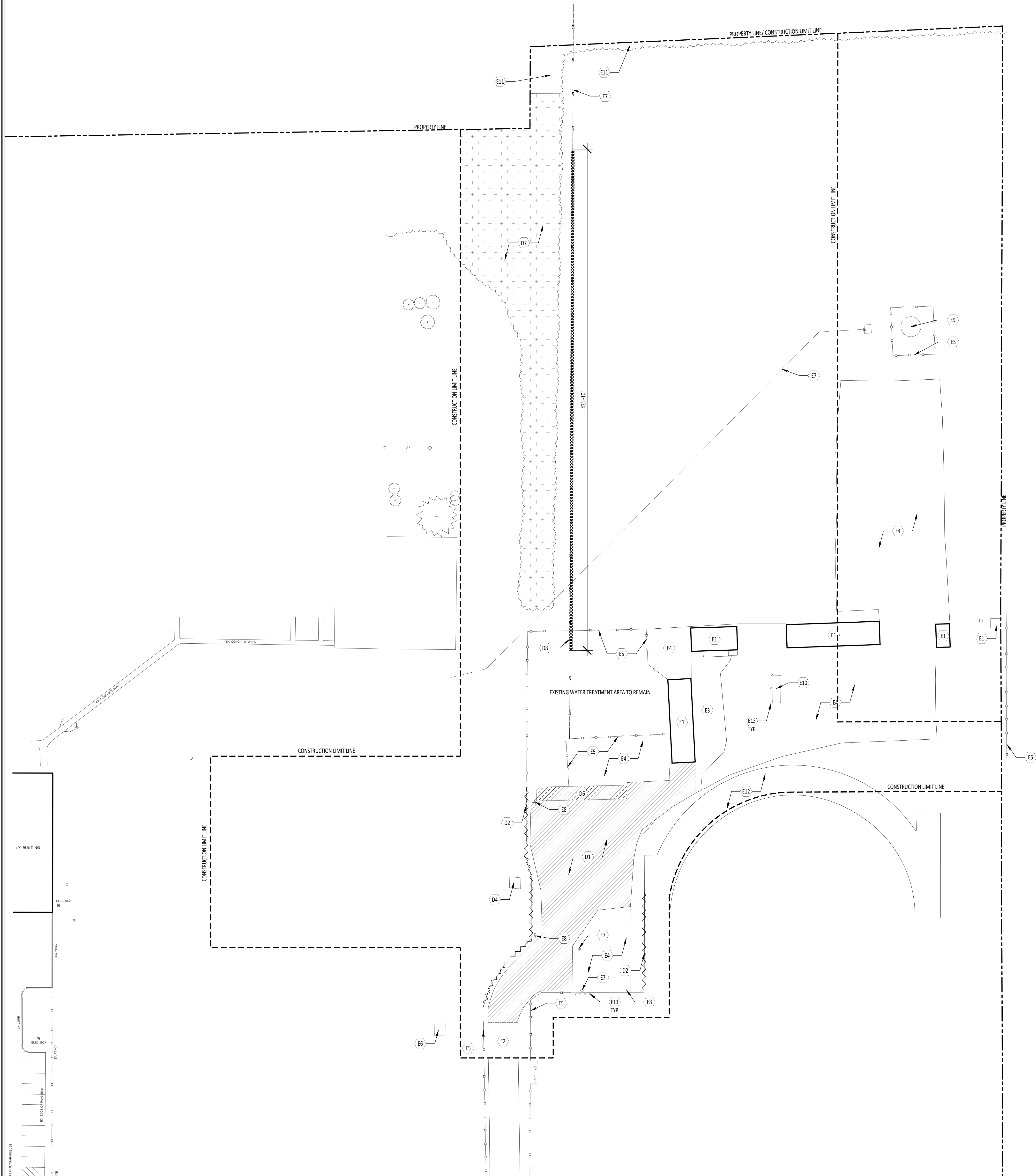
71354 US-36, MIDDLETOWN, INDIANA 47356

ISSUANCES/REVISIONS	
CONSTRUCTION DOCUMENTS	09/02/2025

PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
25107.00	TJB	JLM

SHEET TITLE:	
SITE SURVEY	

SHEET NUMBER:	
SS1.2	



1 SITE DEMOLITION PLAN
LD1.1
1" = 40' - 0"



KEYNOTE SCHEDULE

EXISTING
E1 EXISTING BUILDING TO REMAIN
E2 EXISTING ASPHALT TO REMAIN
E3 EXISTING CONCRETE TO REMAIN
E4 EXISTING GRAVEL TO REMAIN
E5 EXISTING FENCE TO REMAIN
E6 EXISTING SHOT PUT TO REMAIN
E7 EXISTING UTILITY TO REMAIN
E8 EXISTING UTILITY POLE TO REMAIN
E9 EXISTING BOLLARD TO REMAIN
E10 EXISTING FUEL TANK TO REMAIN
E11 EXISTING TREES TO REMAIN
E12 EXISTING TRACK TO REMAIN
E13 EXISTING WATER TREATMENT ENCLOSURE TO REMAIN
DEMOLITION
D1 REMOVE ASPHALT
D2 REMOVE FENCE, FENCE POST AND ASSOCIATED FOUNDATIONS
D3 REMOVE CONCRETE
D4 REMOVE DISCUS CAGE AND ASSOCIATED FOUNDATIONS, RETURN CAGE TO OWNER FOR PROJECT USE
D5 REMOVE GRAVEL
D6 REMOVE BUILDING
D7 REMOVE TREE AND OTHER PLANT MATERIAL
D8 REMOVE SANITARY LINE

LEGEND

	KEY NOTE DESIGNATION-REFER TO NOTES THIS SHEET		REMOVE CHAINLINK FENCE
	REMOVE		SAWCUT AND REMOVE ASPHALT
			REMOVE TREES AND OTHER PLANT MATERIAL

GENERAL NOTES

A.	CONTRACTOR SHALL CALL INDIANA 811 (800) 382-5544 PRIOR TO COMMENCEMENT OF ANY WORK.
D.	FIELD VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO START OF CONSTRUCTION. NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCY OR SITUATION DISCOVERED THAT DOES NOT CONFORM TO CONSTRUCTION DOCUMENTS.
E.	WORK PERFORMED IS SUBJECT TO APPROVAL BY THE ARCHITECT AND OWNER. WORK FOUND TO BE UNSATISFACTORY SHALL BE REMOVED AND PROPERLY REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
F.	PAVING, FOOTINGS AND OTHER SITE IMPROVEMENTS ARE TO BE REMOVED IN THEIR ENTIRETY UNLESS OTHERWISE NOTED. THIS INCLUDES ALL BASE MATERIAL.
G.	ITEMS AND MATERIAL NOTED AS 'REMOVE' SHALL BE PROPERLY DISPOSED OF BY CONTRACTOR OFF SITE. SALVAGED ITEMS SHALL BE TURNED OVER TO OWNER.
H.	TEMPORARILY SUPPORT ALL WALLS, HEADERS, STRUCTURES, PIPING, DUCTWORK, CONDUIT, ETC., AS REQUIRED UNTIL FINAL SUPPORTS ARE IN PLACE.
I.	PATCH & REPAIR AREAS, SURFACES & MATERIALS DISTURBED BY CONSTRUCTION TO CONDITIONS OF SURROUNDING AREA WHERE LEFT EXPOSED TO VIEW.
J.	CLOSELY COORDINATE ALL WORK WITH THE OWNER AND WITH ALL OTHER CONTRACTORS HIRED BY THE OWNER. CLARIFY IN ADVANCE ANY QUESTIONS AS TO SCOPE OF WORK AND AREAS OF RESPONSIBILITY.
K.	PATCH AND REPAIR ALL DISTURBED LAWN AREAS.



SHENANDOAH SCHOOL CORPORATION
NEW TRANSPORTATION CENTER

5100 N. BAUDER RD., MIDDLETOWN, INDIANA 47355

ISSUANCES/REVISIONS

CONSTRUCTION DOCUMENTS 09/02/2025

PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
25107.00	AKL	KAT

SHEET TITLE:

SITE DEMOLITION
PLAN

SHEET NUMBER:

LD1.1

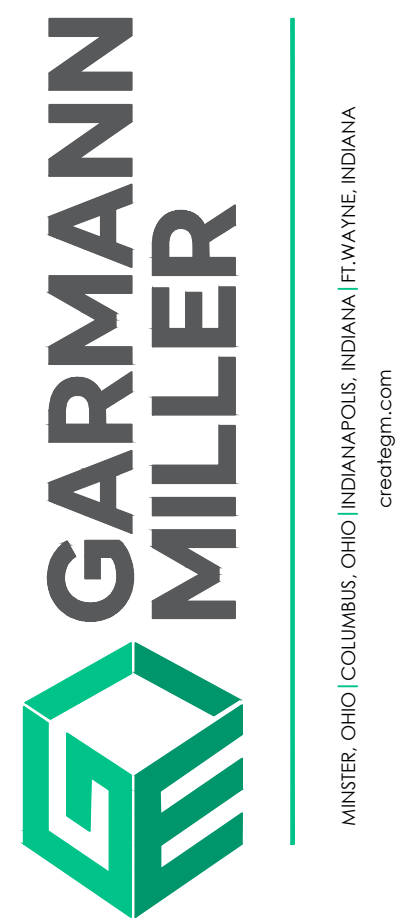
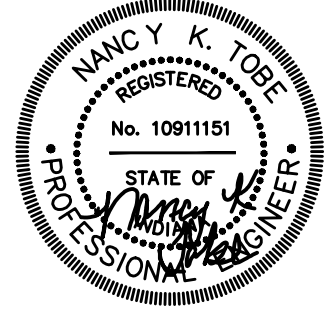
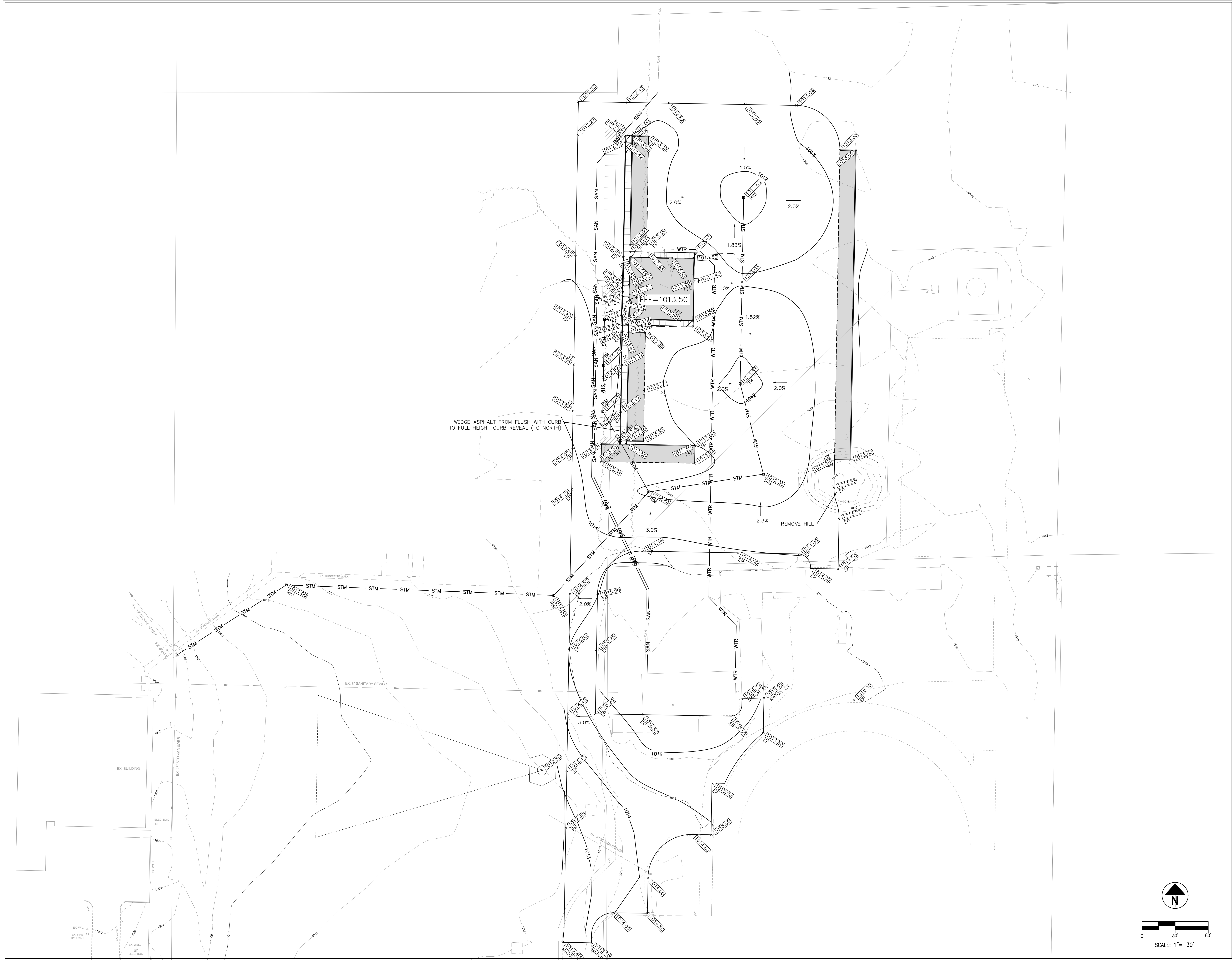


**SHENANDOAH SCHOOL CORPORATION
NEW TRANSPORTATION CENTER**

100 N. BAKER ST. MIDWESTERN INDUSTRIAL GROUP

ISSUANCES/REVISIONS		
CONSTRUCTION DOCUMENTS		09/02/2026
PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
25107.00	NKT	NKT

SHEET TITLE:
SITE UTILITIES PLAN
SHEET NUMBER:
C1.0



SHENANDOAH SCHOOL CORPORATION NEW TRANSPORTATION CENTER

5100 N. RAIDER RD., MIDDLETOWN, INDIANA 47355

ISSUANCES/REVISIONS
CONSTRUCTION DOCUMENTS 09/02/2025

PROJECT NUMBER: 25107.00	DRAWN BY: NKT	CHECKED BY: NKT
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SHEET TITLE:
SITE GRADING PLAN

SHEET NUMBER:
C2.0



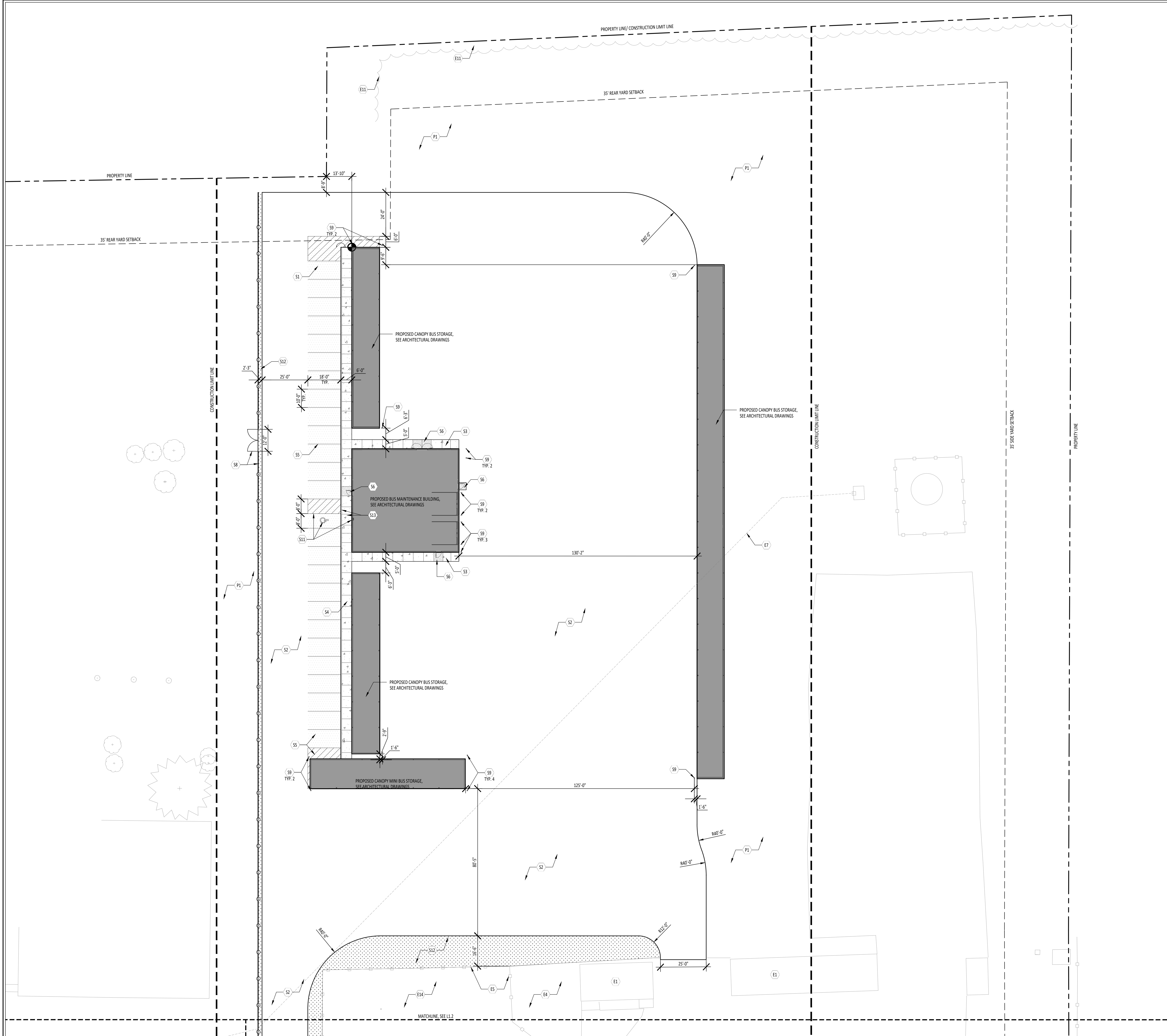
**SHENANDOAH SCHOOL CORPORATION
NEW TRANSPORTATION CENTER**

100 N. BAKER ST. MIDWESTERN INDUSTRIAL GROUP

ISSUANCES/REVISIONS		
CONSTRUCTION DOCUMENTS		06/02/2026

PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
25107.00	NKT	NKT

SHEET TITLE:
EROSION CONTROL PLAN
SHEET NUMBER:
C3.0



1 SITE LAYOUT AND MATERIALS PLAN
1" = 20' - 0"

KEYNOTE SCHEDULE

EXISTING
E1 EXISTING BUILDING TO REMAIN
E2 EXISTING ASPHALT TO REMAIN
E3 EXISTING CONCRETE TO REMAIN
E4 EXISTING GRAVEL TO REMAIN
E5 EXISTING FENCE TO REMAIN
E6 EXISTING SHOT PUT TO REMAIN
E7 EXISTING UTILITY POLE TO REMAIN
E8 EXISTING UTILITY POLE TO REMAIN
E9 EXISTING BOLLARD TO REMAIN
E10 EXISTING FUEL TANK TO REMAIN
E11 EXISTING TREE(S) TO REMAIN
E12 EXISTING TRACK TO REMAIN
E13 EXISTING WATER TREATMENT ENCLOSURE TO REMAIN

SITE

S1 STANDARD DUTY ASPHALT PAVEMENT, SEE DETAIL 1/12.1
S2 ALTERNATE #02- HEAVY DUTY ASPHALT PAVEMENT, SEE DETAIL 2/12.1
S3 BASE BID: STANDARD DUTY ASPHALT, SEE DETAIL 1/12.1
S4 STANDARD DUTY CONCRETE, SEE DETAIL 3/12.1
S5 CONCRETE SIDEWALK WITH INTEGRAL CURB, SEE DETAIL 4/12.1
S6 PAVEMENT ARROWS, PAVEMENT MARKINGS AND PAINTED ISLANDS, SEE SPECIFICATIONS
S7 CONCRETE ANTI-HEAVE SLAB, COORDINATE WITH STRUCTURAL DRAWINGS
S8 4' HEIGHT GALVANIZED CHAIN LINK FENCE AND GATES, SEE DETAILS 5 & 6/12.1
S9 6' HEIGHT GALVANIZED CHAIN LINK FENCE AND GATES, SEE DETAILS 5 & 6/12.1
S10 CONCRETE FILLED STEEL BOLLARDS WITH PLASTIC SLEEVE, SEE DETAIL 1/12.1
S11 DISCUS, SEE DETAIL 8/12.1
S12 ACCESSIBLE PARKING SPACE WITH SIGN MOUNTED ON BUILDING, SEE DETAILS 9 & 10/12.1
S13 GRAVEL, SEE SPECIFICATIONS
ACCESSIBLE CURB RAMP, SEE DETAIL 11/12.1

PLANTING

P1 LAWN, SEE SPECIFICATIONS

LEGEND

P.O.B. (POINT OF BEGINNING)	CONCRETE PAVEMENT
ALIGN	STANDARD DUTY ASPHALT PAVEMENT
KEYED NOTE DESIGNATION-REFER TO NOTES THIS SHEET	CONCRETE ANTI-HEAVE SLAB
PROPOSED LIGHT FIXTURE SEE ELECTRICAL DRAWINGS	CONCRETE ANTI-HEAVE SLAB
CONTROL JOINT	CONCRETE PAVEMENT

GENERAL NOTES

- FIELD VERIFY DIMENSIONS & CONDITIONS PRIOR TO START OF CONSTRUCTION. NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCY OR SITUATION DISCOVERED THAT DOES NOT CONFORM TO CONSTRUCTION DOCUMENTS.
- WORK PERFORMED IS SUBJECT TO APPROVAL BY THE ARCHITECT AND OWNER. WORK FOUND TO BE UNSATISFACTORY SHALL BE REMOVED AND PROPERLY REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- TEMPORARILY SUPPORT WALLS, HEADERS, STRUCTURES, PIPING, DUCTWORK, CONDUIT, ETC., AS REQUIRED UNTIL FINAL SUPPORTS ARE IN PLACE.
- PATCH & REPAIR ALL AREAS, SURFACES & MATERIALS TO CONDITION OF SURROUNDING AREA.
- CLOSELY COORDINATE WORK WITH THE OWNER AND WITH ALL OTHER CONTRACTORS HIRED BY THE OWNER. CLARIFY IN ADVANCE ANY QUESTIONS AS TO SCOPE OF WORK AND AREAS OF RESPONSIBILITY.
- PATCH AND REPAIR DISTURBED LAWN AREAS.
- DIMENSIONS ARE TO FACE OF CURB, FENCE, COLUMN OR CENTERLINE UNLESS OTHERWISE NOTED. WALKS SHALL BE CENTERED ON DOORWAYS.
- WALKS SHALL MEET BOTH VERTICALLY AND HORIZONTALLY.
- LAYOUT AND DIMENSIONS ARE PARALLEL AND PERPENDICULAR TO ONE ANOTHER UNLESS OTHERWISE INDICATED IN PLANS.
- CONTRACTOR SHALL CALL DUPS (800) 362-2764 PRIOR TO COMMENCEMENT OF ANY WORK.
- GENERAL CONTRACTOR IS TO MAINTAIN THE SITE WITHIN THE CONSTRUCTION FENCELINE THROUGHOUT CONSTRUCTION IN A CLEAN AND ORDERLY MANNER. MOW GRASS, MAINTAIN PLANT BEDS TO BE FREE OF WEEDS, PICK-UP TRASH, ETC. THE SITE IS TO BE LEFT IN THE SAME OR BETTER CONDITION THAN ORIGINALLY FOUND.



SHENANDOAH SCHOOL CORPORATION
NEW TRANSPORTATION CENTER

5100 N. BAUDER RD., MIDDLETOWN, INDIANA 47355

ISSUANCES/REVISIONS

CONSTRUCTION DOCUMENTS 09/02/2025

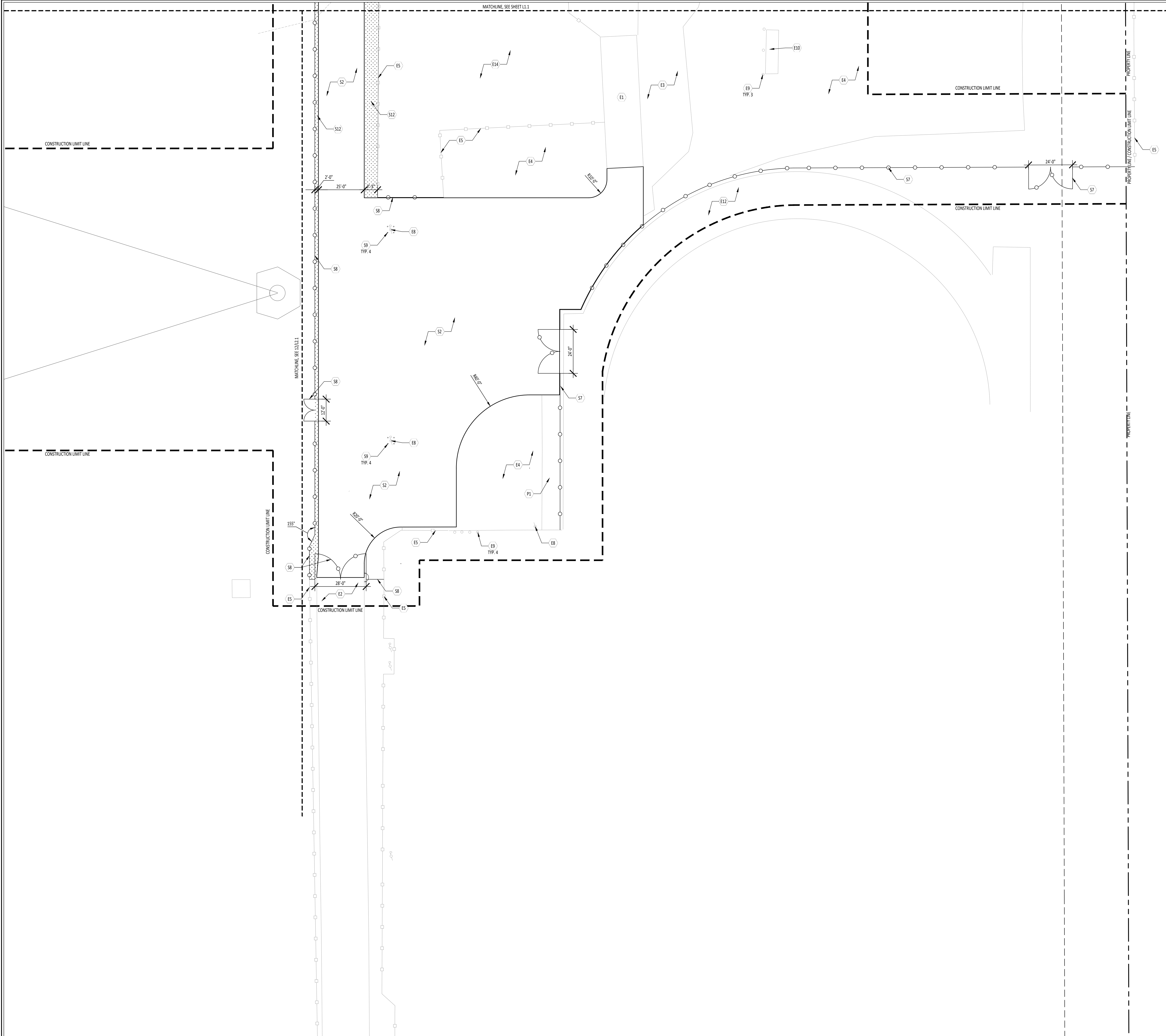
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25107.00	AKL	KAT

SHEET TITLE:

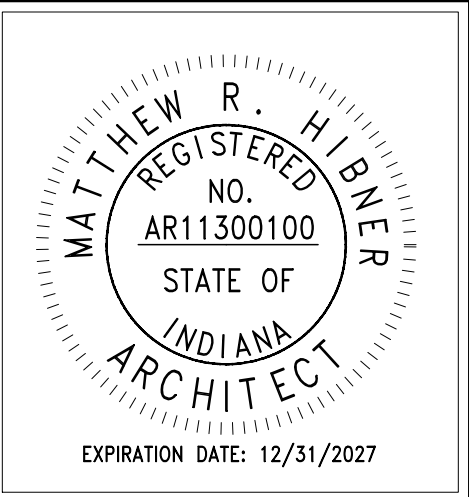
SITE LAYOUT AND
MATERIALS PLAN

SHEET NUMBER:

11.1



KEYNOTE SCHEDULE	
EXISTING	
E1	EXISTING BUILDING TO REMAIN
E2	EXISTING ASPHALT TO REMAIN
E3	EXISTING CONCRETE TO REMAIN
E4	EXISTING GRAVEL TO REMAIN
E5	EXISTING FENCE TO REMAIN
E6	EXISTING SHOT PUT TO REMAIN
E7	EXISTING UTILITY TO REMAIN
E8	EXISTING UTILITY POLE TO REMAIN
E9	EXISTING BOLLARD TO REMAIN
E10	EXISTING FUEL TANK TO REMAIN
E11	EXISTING TREE(S) TO REMAIN
E12	EXISTING TRACK TO REMAIN
E13	EXISTING WATER TREATMENT ENCLOSURE TO REMAIN
SITE	
S1	STANDARD DUTY ASPHALT PAVEMENT, SEE DETAIL 1/12.1
S2	ALTERNATE #02: HEAVY DUTY ASPHALT PAVEMENT, SEE DETAIL 2/12.1
S3	BASE BID: STANDARD DUTY ASPHALT, SEE DETAIL 1/12.1
S3	STANDARD DUTY CONCRETE, SEE DETAIL 3/12.1
S4	CONCRETE SIDEWALK WITH INTEGRAL CURB, SEE DETAIL 4/12.1
S5	PAVEMENT ARROWS, PAVEMENT MARKINGS AND PAINTED ISLANDS, SEE SPECIFICATIONS
S6	CONCRETE ANTI-HEAVE SLAB, COORDINATE WITH STRUCTURAL DRAWINGS
S7	4' HEIGHT GALVANIZED CHAIN LINK FENCE AND GATES, SEE DETAILS 5 & 6/12.1
S8	6' HEIGHT GALVANIZED CHAIN LINK FENCE AND GATES, SEE DETAILS 5 & 6/12.1
S9	CONCRETE FILLED STEEL BOLLARDS WITH PLASTIC SLEEVE, SEE DETAIL 1/12.1
S10	DISCUS, SEE DETAIL 8/12.1
S11	ACCESSIBLE PARKING SPACE WITH SIGN MOUNTED ON BUILDING, SEE DETAILS 9 & 10/12.1
S12	GRAVEL, SEE SPECIFICATIONS
S13	ACCESSIBLE CURB RAMP, SEE DETAIL 11/12.1
PLANTING	
P1	LAWN, SEE SPECIFICATIONS
LEGEND	
	CONCRETE PAVEMENT
	STANDARD DUTY ASPHALT PAVEMENT
	CONCRETE ANTI-HEAVE SLAB
	CONCRETE ANTI-HEAVE SLAB
	CONCRETE PAVEMENT
GENERAL NOTES	
A. FIELD VERIFY DIMENSIONS & CONDITIONS PRIOR TO START OF CONSTRUCTION. NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCY OR SITUATION DISCOVERED THAT DOES NOT CONFORM TO CONSTRUCTION DOCUMENTS.	
B. WORK PERFORMED IS SUBJECT TO APPROVAL BY THE ARCHITECT AND OWNER. WORK FOUND TO BE UNSATISFACTORY SHALL BE REMOVED AND PROPERLY REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.	
C. TEMPORARILY SUPPORT WALLS, HEADERS, STRUCTURES, PIPING, DUCTWORK, CONDUIT, ETC., AS REQUIRED UNTIL FINAL SUPPORTS ARE IN PLACE.	
D. PATCH & REPAIR ALL AREAS, SURFACES & MATERIALS TO CONDITION OF SURROUNDING AREA.	
E. CLOSELY COORDINATE WORK WITH THE OWNER AND WITH ALL OTHER CONTRACTORS HIRED BY THE OWNER. CLARIFY IN ADVANCE ANY QUESTIONS AS TO SCOPE OF WORK AND AREAS OF RESPONSIBILITY.	
F. PATCH AND REPAIR DISTURBED LAWN AREAS.	
G. DIMENSIONS ARE TO FACE OF CURB, FENCE, COLUMN OR CENTERLINE UNLESS OTHERWISE NOTED. WALKS SHALL BE CENTERED ON DOOR WAYS.	
H. WALKS SHALL MEET BOTH VERTICALLY AND HORIZONTALLY.	
I. LAYOUT AND DIMENSIONS ARE PARALLEL AND PERPENDICULAR TO ONE ANOTHER UNLESS OTHERWISE INDICATED IN PLANS.	
J. CONTRACTOR SHALL CALL OUPS (800) 362-2764 PRIOR TO COMMENCEMENT OF ANY WORK.	
K. GENERAL CONTRACTOR IS TO MAINTAIN THE SITE WITHIN THE CONSTRUCTION FENCELINE THROUGHOUT CONSTRUCTION IN A CLEAN AND ORDERLY MANNER. MOW GRASS, MAINTAIN PLANT BEDS TO BE FREE OF WEEDS, PICK-UP TRASH, ETC. THE SITE IS TO BE LEFT IN THE SAME OR BETTER CONDITION THAN ORIGINALLY FOUND.	



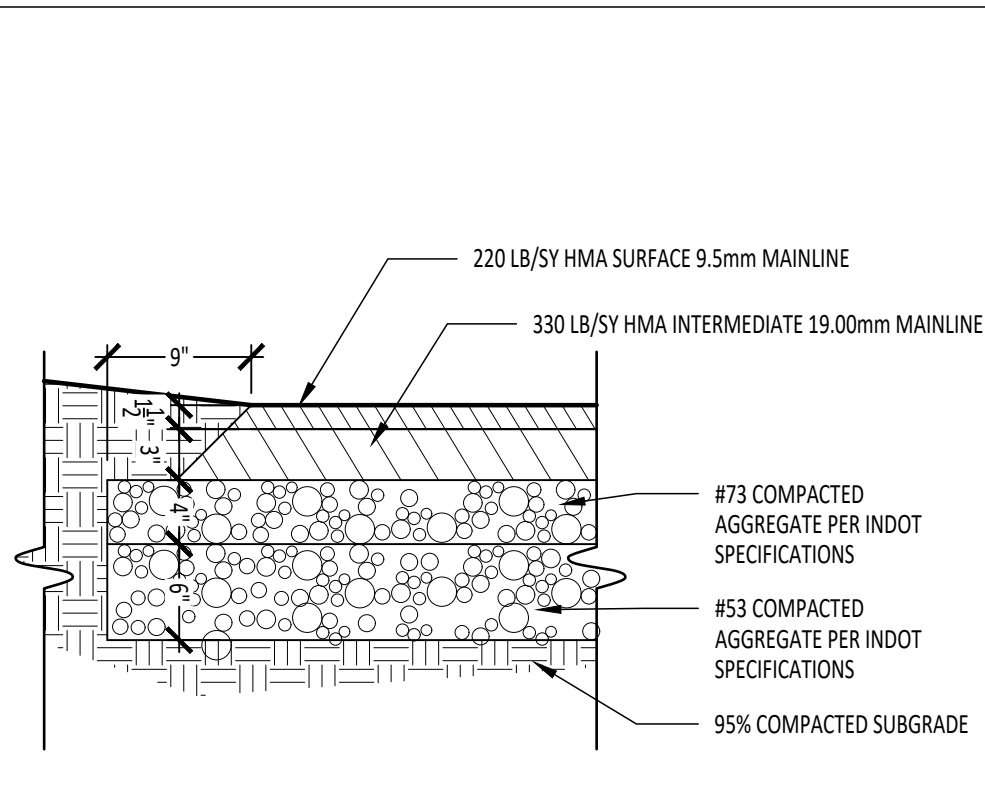
SHENANDOAH SCHOOL CORPORATION NEW TRANSPORTATION CENTER

ISSUANCES/REVISIONS	
CONSTRUCTION DOCUMENTS	09/02/2025

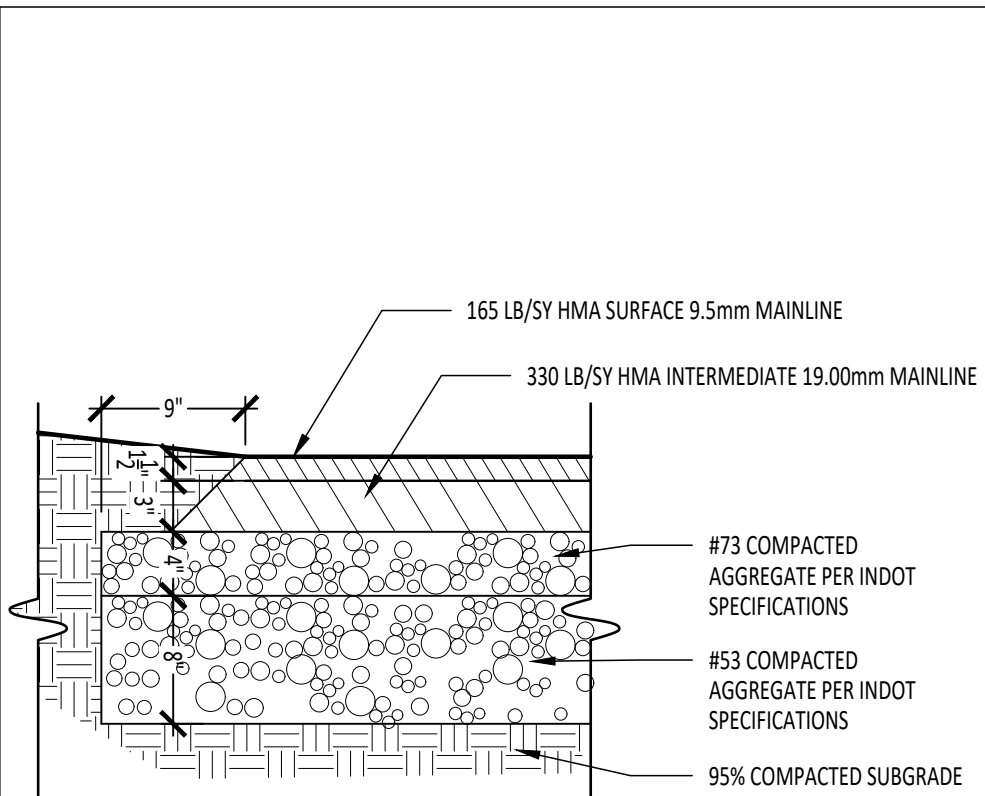
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SITE LAYOUT AND MATERIALS PLAN

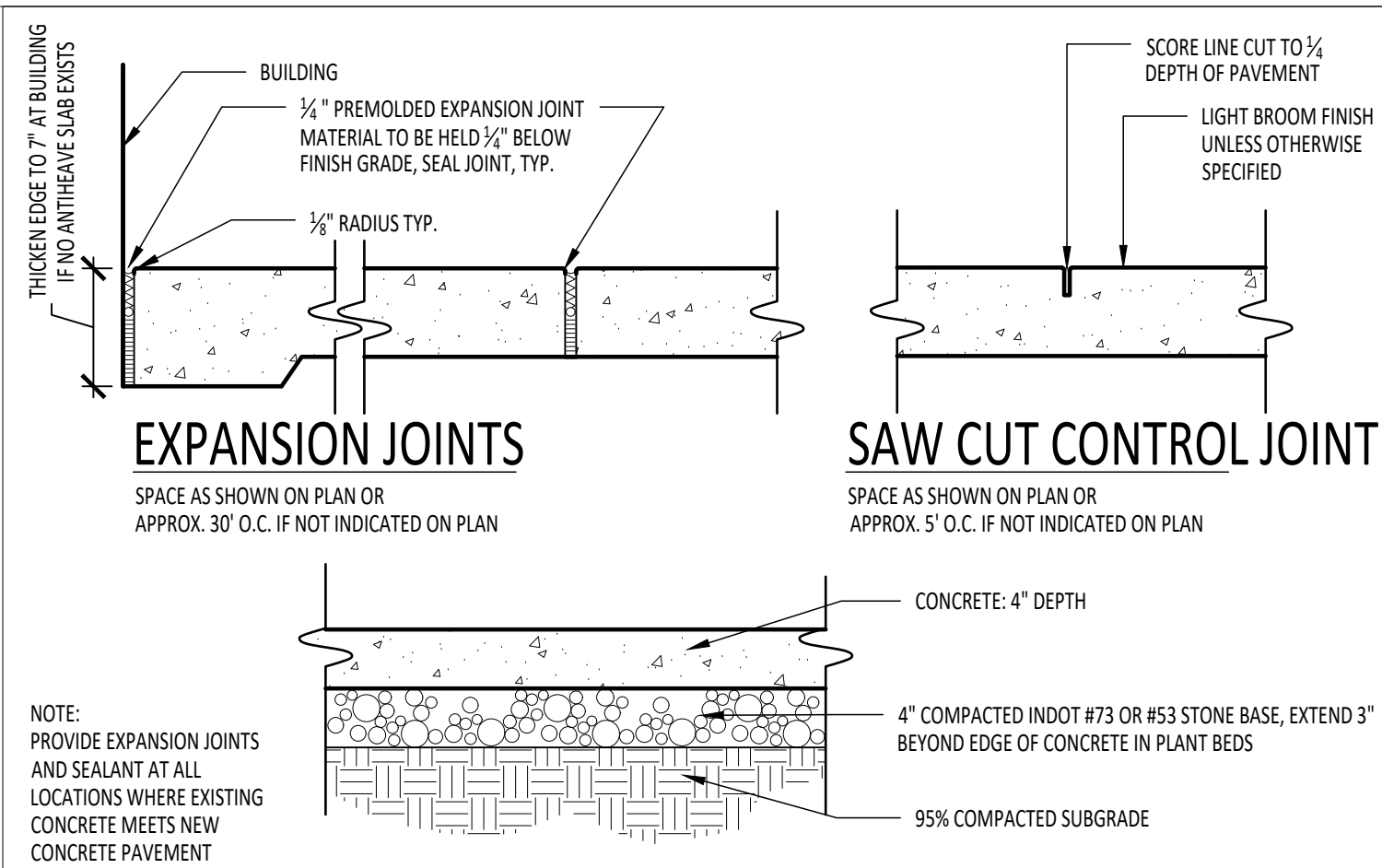
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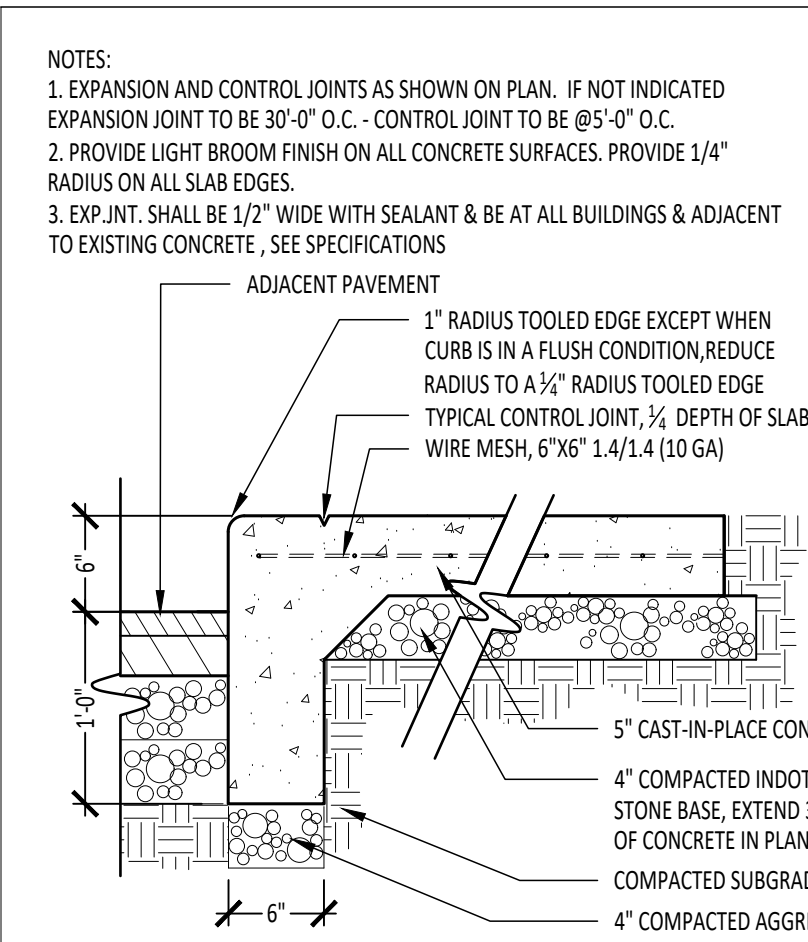
1 ASPHALT PAVING : STANDARD DUTY
1" = 1'-0"



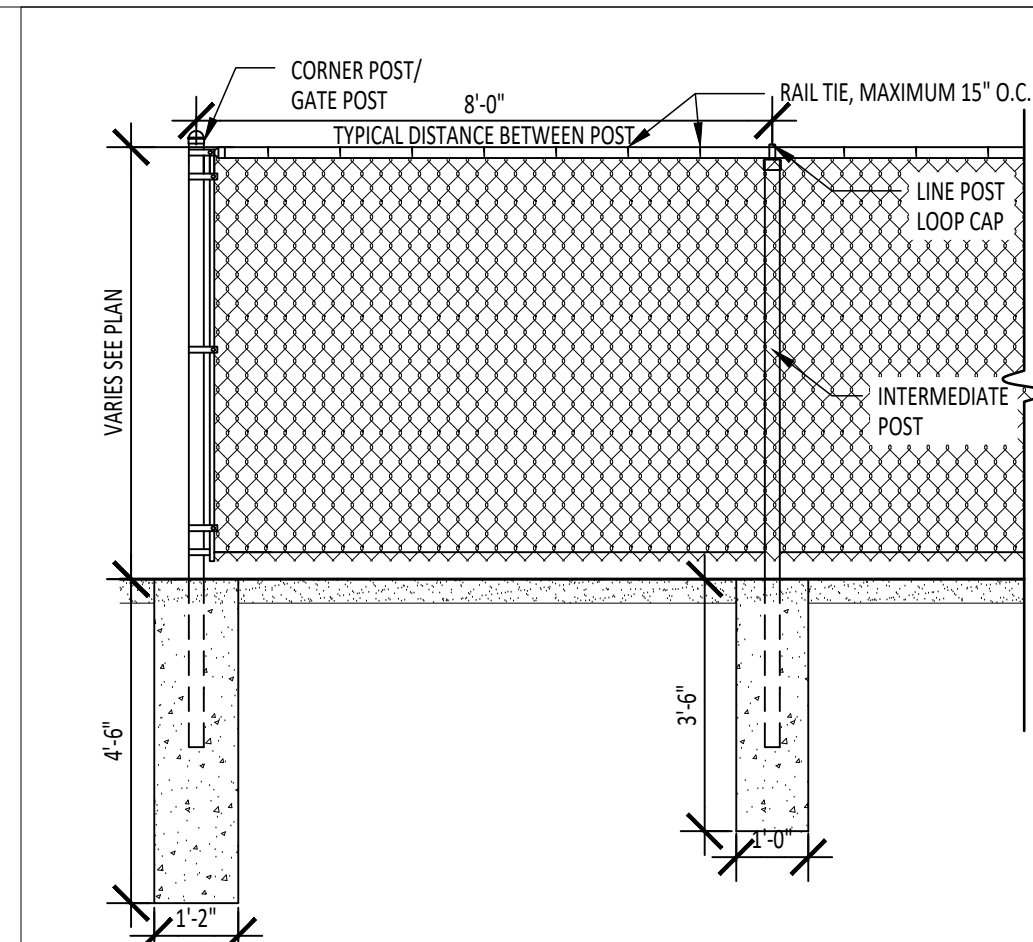
2 ASPHALT PAVEMENT HEAVY DUTY
1" = 1'-0"



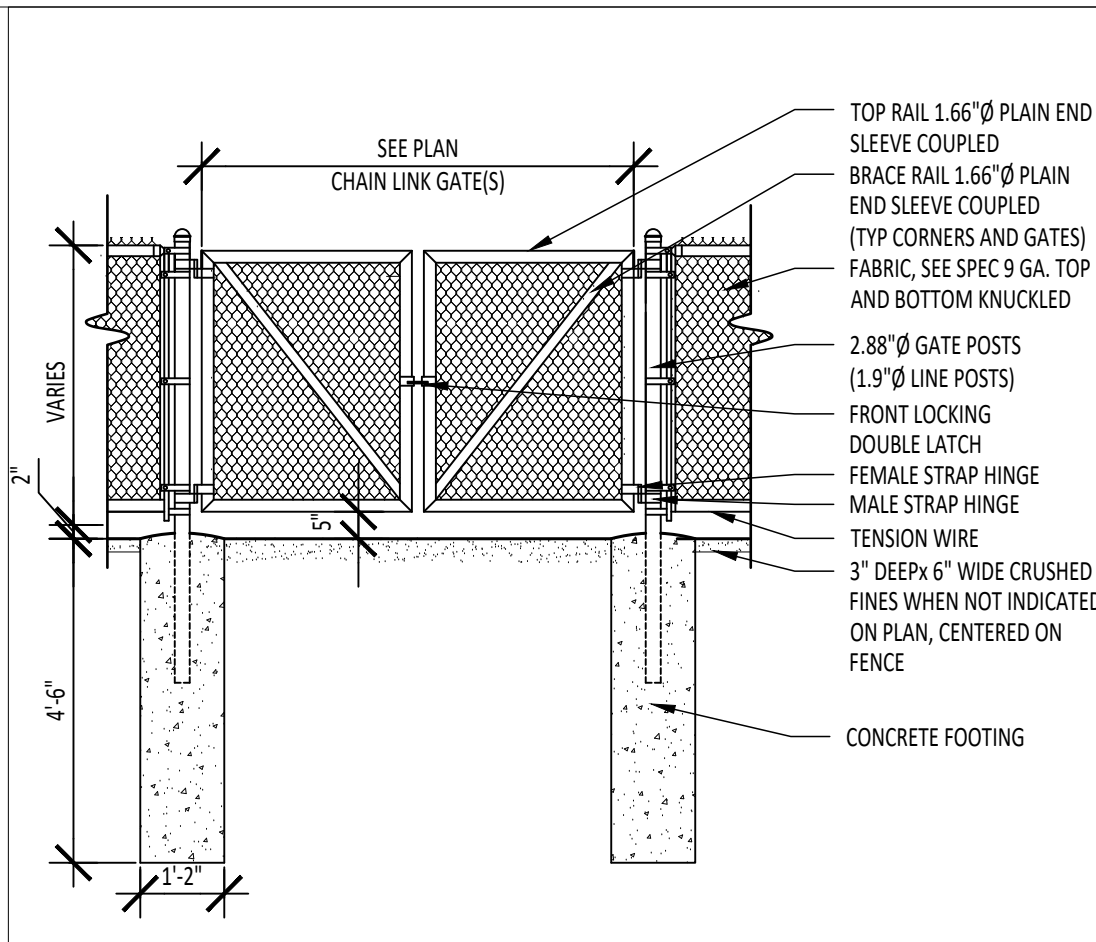
3 CONCRETE PAVEMENT AND JOINTS
1" = 1'-0"



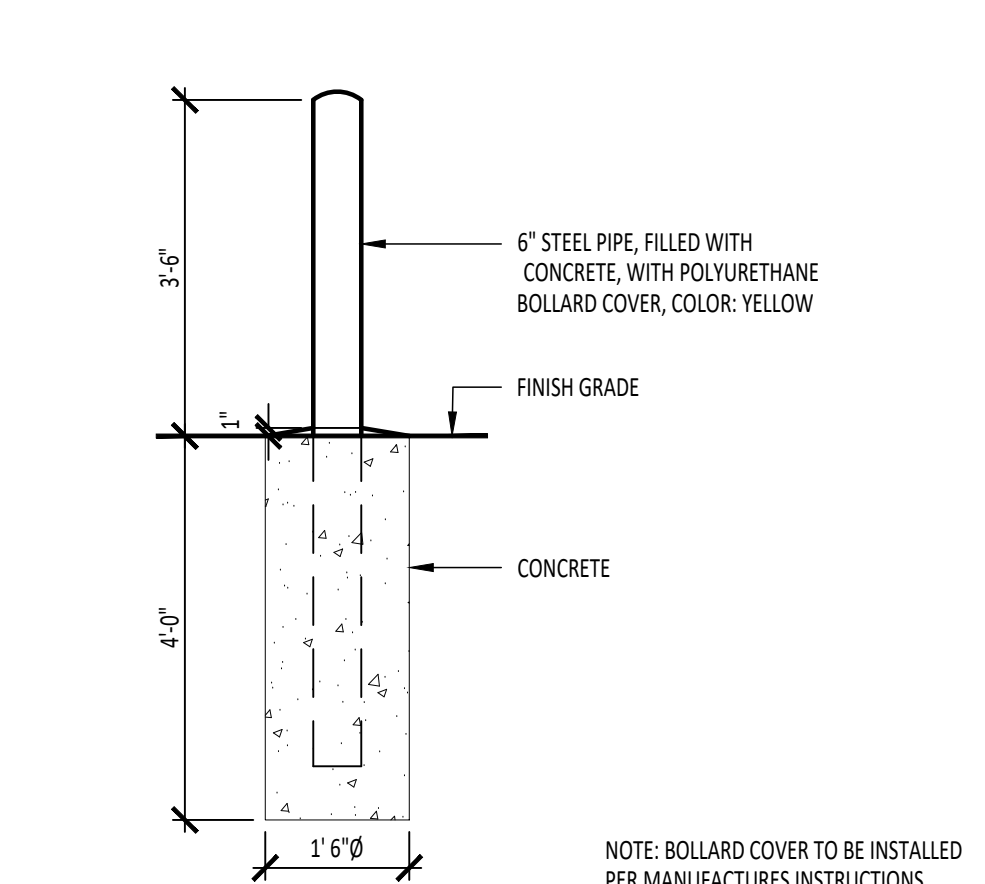
4 INTEGRAL CURB AND WALK
1" = 1'-0"



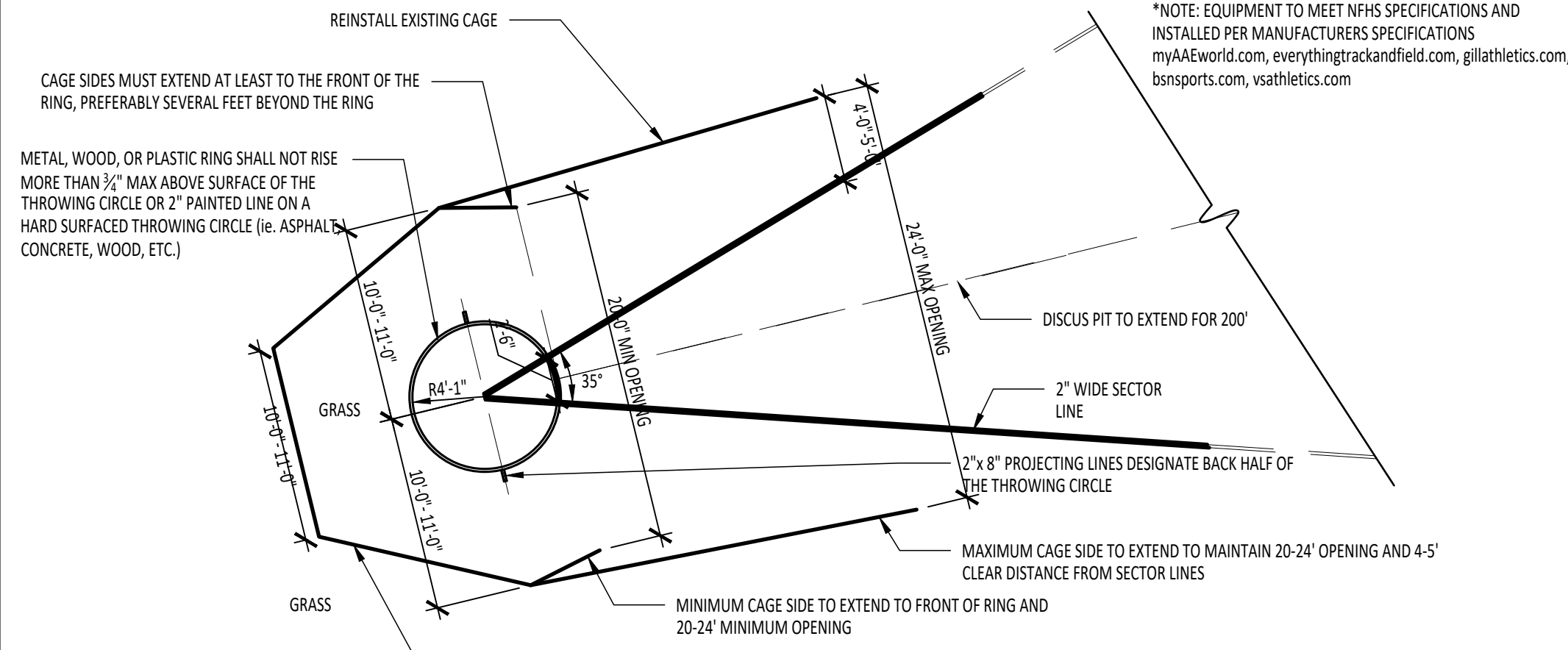
5 CHAIN LINK FENCE
3/8" = 1'-0"



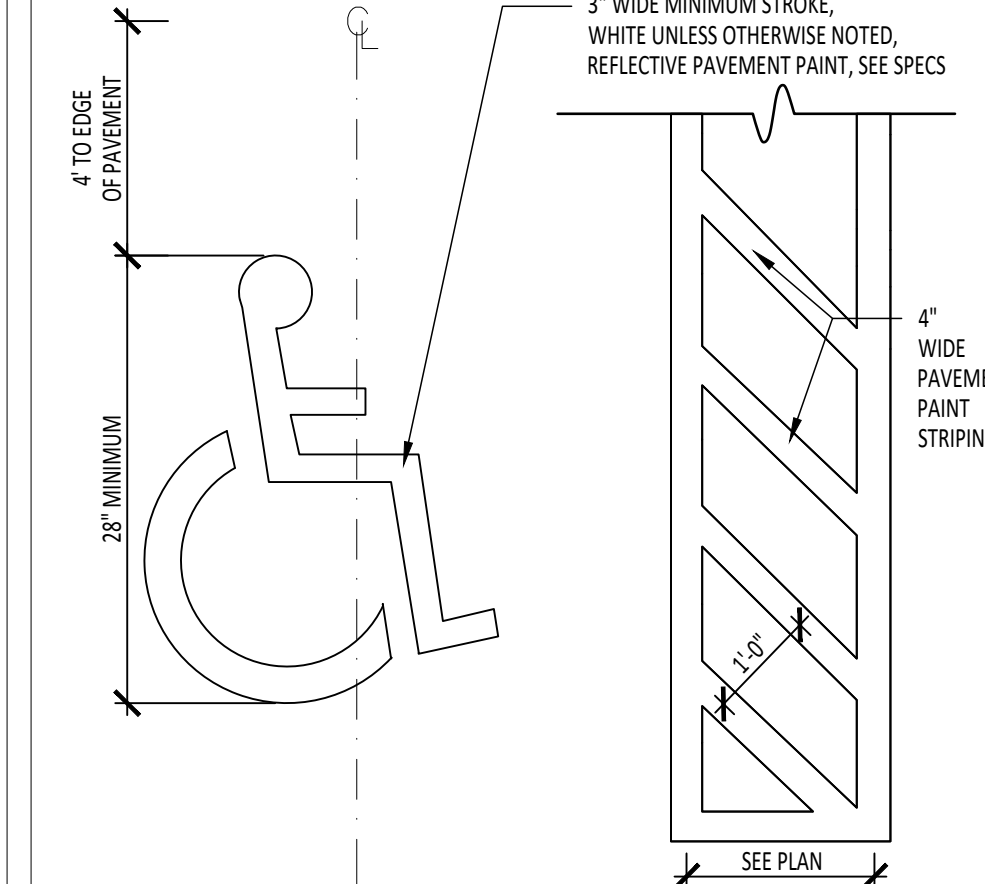
6 CHAIN LINK FENCING AND GATE
3/8" = 1'-0"



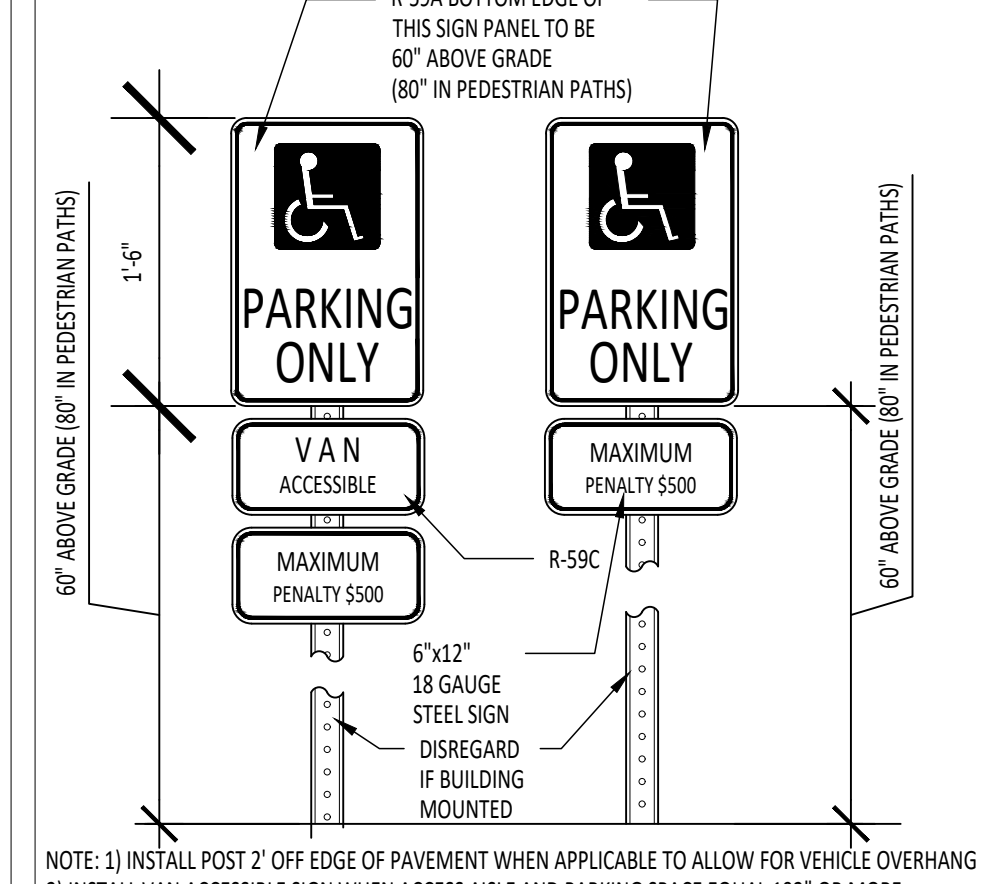
7 EXTERIOR STEEL PIPE BOLLARD
1/2" = 1'-0"



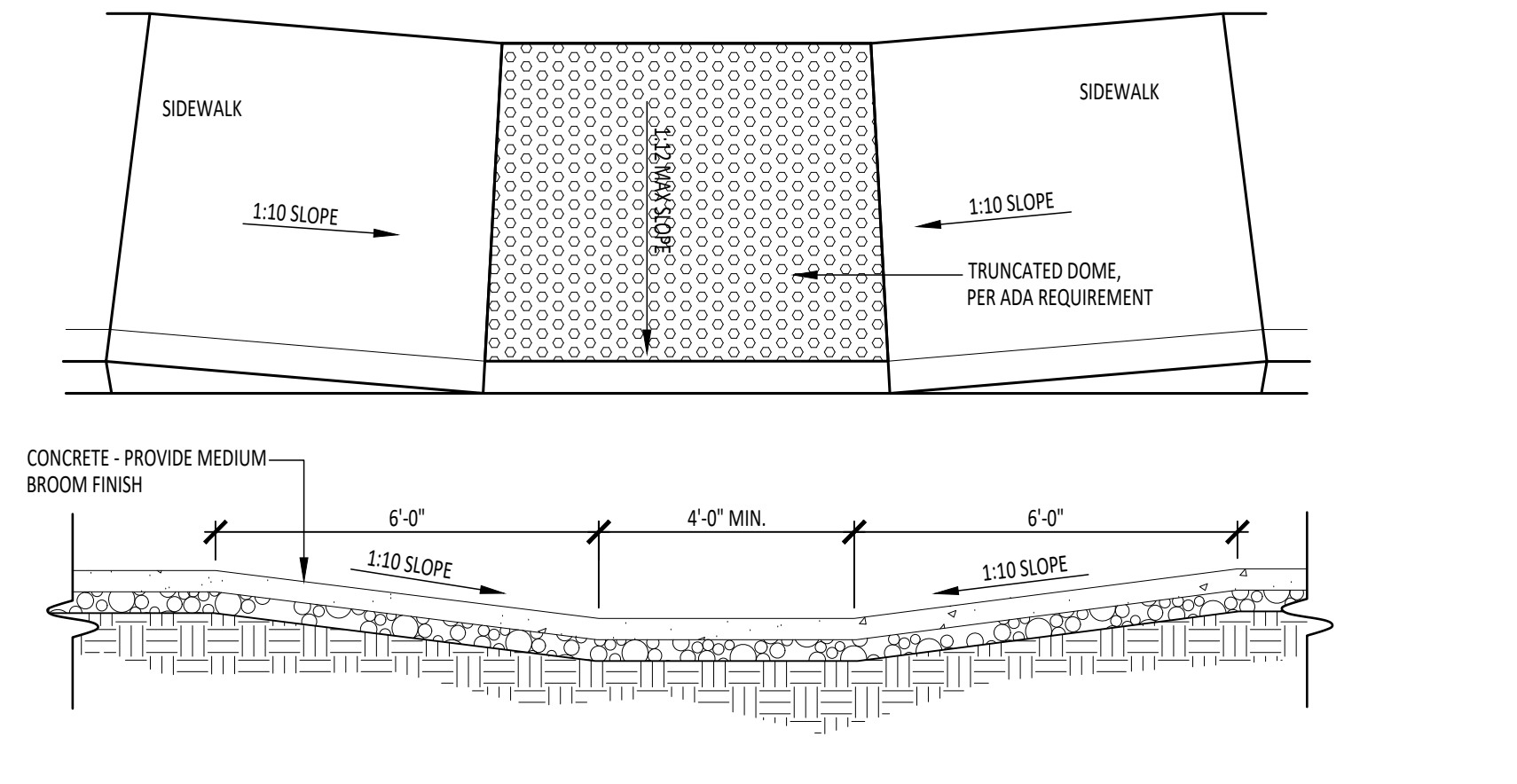
8 DISCUS THROW
1/8" = 1'-0"



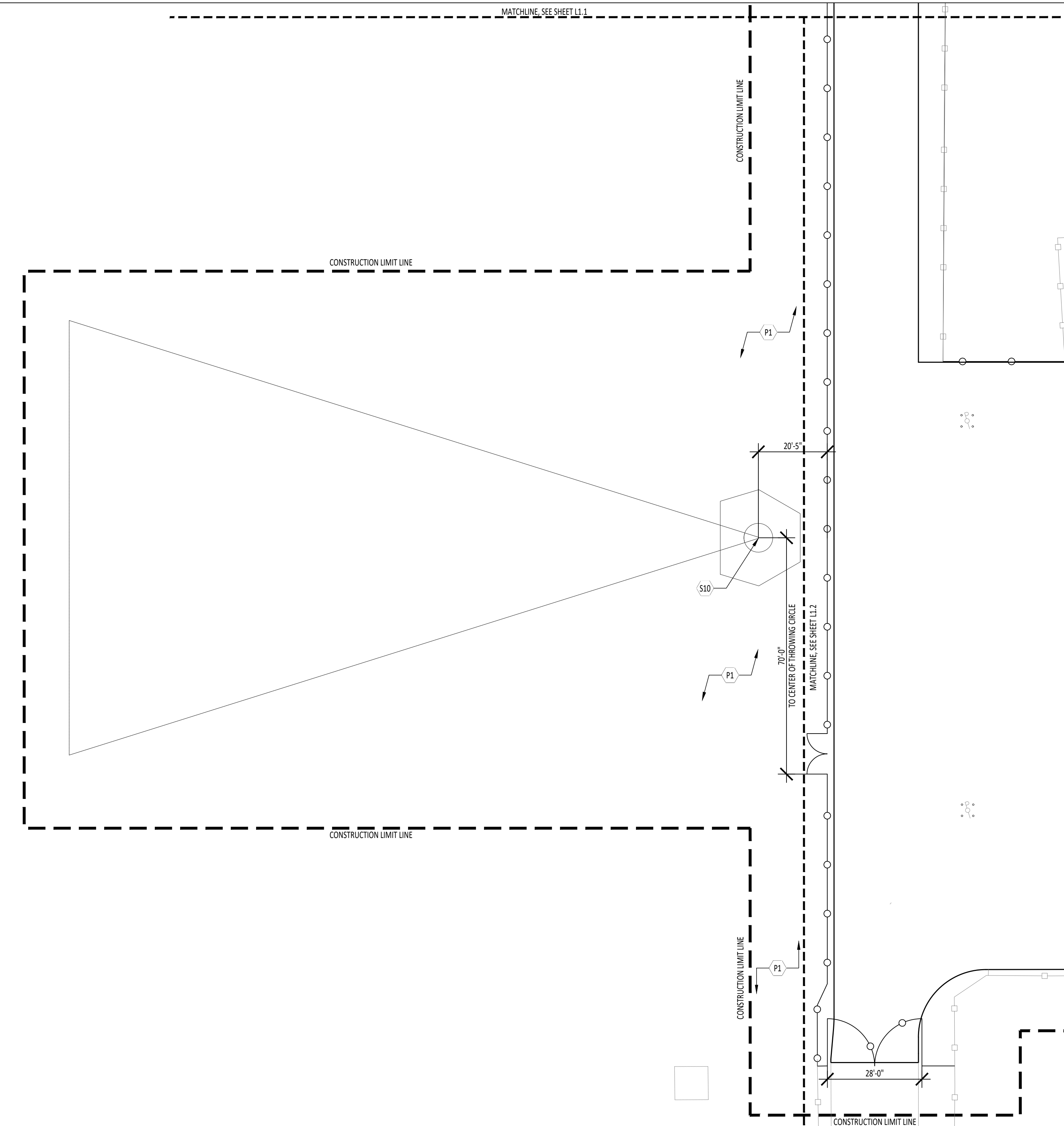
9 ACCESSIBLE PARKING LOGO
1/2" = 1'-0"



10 RESERVED PARKING FOR HANDICAPPED SIGN
1" = 1'-0"



11 ACCESSIBLE RAMP SLOPED SIDES
3/8" = 1'-0"



12 WEST PLAN - DISCUS AREA
1" = 20' - 0"

- NOTE:
ABBREVIATIONS USED ON THE CONTRACT DOCUMENTS
INCLUDE BUT ARE NOT LIMITED TO THOSE LISTED BELOW.

# / NO	NUMBER
* / DEG	DEGREE
Ø / DIA	DIAMETER
□ / SQ	SQUARE
'	FEET
"	INCH
°	ANGLE
Δ	AND
@	AT
¢	PENNY (NAILS)
=	EQUAL

- MEASUREMENTS	
°C	CELCIUS
°F	FAHRENHEIT
AC	ACRES
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNIT PER HOUR
CF	CUBIC FEET
CFM	CUBIC FEET PER MINUTE
CI	CUBIC INCH
CY	CUBIC YARD
Db	DECIBEL
IN	INCH
FT	FEET
HR	HOUR
GAL	GALLONS
GPFL	GALLONS PER FLUSH
GPH	GALLONS PER HOUR
KG	KILOGRAM
KW	KILOWATT
KWH	KILOWATT PER HOUR
LB	POUND
LF	LINEAR FOOT
M	METER
MIN	MINUTE
MM	MILLIMETER
PLF	POUNDS PER LINEAR FOOT
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
SI	SQUARE INCH
SY	SQUARE YARD

A	
AB	ANCHOR BOLT
AC	AIR CONDITIONING
ACC	ACCESSIBLE
ACOUS	ACOUSTICAL
ACT	ACOUSTICAL CEILING TILE
AD	AREA DRAIN
ADD	ADDITIONAL
ADJ	ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
AFP	ACCORDION FOLDING PARTITION
AGGR	AGGREGATE
ALT	ALTERNATE
ALUM	ALUMINUM
ANCH	ANCHOR
ANOD	ANODIZED
AP	ACCESS PANEL
APPD	APPROVED
APPROX	APPROXIMATE
AR	ACID RESISTANT
ARCH	ARCHITECTURAL
ASPH	ASPHALT
AUTO	AUTOMATIC
AV	AUDIO-VISUAL
AWT	ACOUSTICAL WALL TREATMENT

B	
BEJ	BRICK EXPANSION JOINT
BD	BOARD
BIT	BITUMINOUS
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BM	BEAM / BENCHMARK
B/O	BOTTOM OF
BOT	BOTTOM
BRG	BEARING
BS	BOILER STACK
BSMT	BASEMENT
BT	BOLT
BUR	BUILT-UP ROOF
BYND	BEYOND

C	
C	CLOSURE
CAB	CABINET
CAT	CATEGORY
CB	CATCH BASIN
CBD	CHALKBOARD
CBU	CEMENTITIOUS BACKER UNIT
CEM	CEMENT
CER	CERAMIC
CG	CORNER GUARD
CH	CABINET HEATER / CEILING HEIGHT
CHNL	CHANNEL
CI	CAST IRON
CIP	CAST IN PLACE

CJ	CONTROL JOINT
CL	CENTERLINE
CLG	CEILING
CLR	CLEAR
CMP	CORRUGATED METAL PIPE
CMT	CERAMIC MOSAIC TILE
CMU	CONCRETE MASONRY UNIT
CNTR	COUNTER
CO	CLEANOUT
COL	COLUMN
COMP	COMPACT
COMPR	COMPRESSIBLE
CONC	CONCRETE
COND	CONDITION
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS / CONTINUE
CONTR	CONTRACTOR
COORD	COORDINATE
CORR	CORRUGATED / CORRIDOR
CPT	CARPET
CT	CERAMIC TILE
CTR	CENTER
CTSK	COUNTER SINK
CYTD	COURTYARD
CW	COLD WATER
CWF	CEMENTITIOUS WOOD FIBER

D	
D	DEPTH
DA	DISABLED
DBL	DOUBLE
DC	DISPLAY CASE
DEMO	DEMOLITION
DEPT	DEPARTMENT
DET	DETAIL
DF	DRINKING FOUNTAIN
DIM	DIMENSION
DISP	DISPENSER
DIV	DIVISION
DL	DEAD LOAD
DMPF	DAMP PROOFING
DMT	DEMOUNTABLE
DN	DOWN
DO	DOOR OPENING
DP	DIMENSION POINT
DPTN	DEMOUNTABLE PARTITION
DR	DOOR
DRAIN	
DS	DOWNSPOUT
DW	DISHWASHER
DWC	DRINKING WATER COOLER
DWG	DRAWING
DWR	DRAWER

E	EAST
EA	EACH
EB	EXPANSION BOLT
EF	EACH FACE
EFS	DIRECT APPLIED EXTERIOR FINISH SYSTEM
EFS	EXTERIOR INSULATION FINISH SYSTEM
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
EMERG	EMERGENCY
ENCL	ENCLOSURE
ENGR	ENGINEER
EP	ELECTRICAL PANELBOARD
EMPD	ETHYLENE PROPYLENE DIENE M-CLASS ROOFING
EPX	EPOXY
EQ	EQUAL
EQUIP	EQUIPMENT
ESCAL	ESCALATOR
EW	EACH WAY
EXH	EXHAUST
EX/EXIST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
EXTN	EXTENSION

F	
FA	FIRE ALARM
FB	FACE BRICK
FC	FACE
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FDV	FIRE DEPARTMENT VALVE
FE	FIRE EXTINGUISHER / FINISH END
FEC	FIRE EXTINGUISHER CABINET
FF	FINISH FLOOR
FF&E	FURNITURE, FINISHES & EQUIPMENT
FH	FLAT HEAD
FHC	FIRE HOSE CABINET
FIN	FINISH
FIXT	FIXTURE
FLR	FLOOR
FLASH	FLASHING
FLOUR	FLUORESCENT
FM	FILLED METAL
FND	FOUNDATION
F/O	FACE OF

FP	FIRE PROTECTION
FPG	FIREPROOFING
FR	FRAME
FRTW	FIRE RETARDANT TREATED WOOD
FSR	FLEXIBLE SHEET ROOFING
FSK	FLOOR SERVICE SINK
FTG	FOOTING
FURN	FURNITURE
FURR	FURRING
FWC	FABRIC WALLCOVERING
FWP	FABRIC WALL PANEL
FVC	FIRE VALVE CABINET

G / GRD	GROUND
GA	GAUGE
GALV	GALVANIZED
GB	GRAB BAR
GC	GENERAL CONTRACTOR
GFCMU	GROUND-FACED CONCRETE MASONRY UNIT
GFR	GLASS FIBER REINFORCED CONCRETE
GFRGU	GLASS FIBER REINFORCED GYPSUM UNIT
GL	GLASS
GR	GRADE
GWB	GYPSUM WALLBOARD

H	
HB	HOSE BIBB
HC	HOLLOW CORE
HCP	HAN
HDW	HARDWARE
HDWD	HARDWOOD
HGT	HEIGHT
HM	HOLLOW METAL (STEEL FRAME)
HNDRL	HANDRAIL
HOLD	HOLD OPEN
HORIZ	HORIZONTAL
HRC	HOSE REEL CABINET
HS	HIGH STRENGTH
HVAC	HEATING, VENTILATING & AIR CONDITIONING
HW	HOT WATER
HWY	HIGHWAY
HYDR	HYDRAULIC

ID	INSIDE DIAMETER
ILO	IN LIEU OF
INCAND	INCANDESCENT
INCL	INCLUDE
INFO	INFORMATION
INSUL	INSULATION
INT	INTERIOR
INTERM	INTERMEDIATE
INV	INVERT
IRGWB	IMPACT RESISTANT GYPSUM WALLBOARD

J	
JAN	JANITOR
JC	JANITORIAL CLOSET
JST	JOIST
JT	JOINT

K	
K	KNURLED
KIT	KITCHEN
KPL	KICK PLATE
KO	KNOCKOUT

L	LENGTH
LAB	LABORATORY
LAM	LAMINATE
LAV	LAVATORY
LDG	LANDING
LKR	LOCKER
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LN	LINE
LPT	LOW POINT
LT	LIGHT
LVR	LOUVER
LW	LONG WAY

M	
MACH	MACHINE
MAINT	MAINTENANCE
MAS	MASONRY
MATL	MATERIAL
MAX	MAXIMUM
MB	MARKER BOARD
MBL	MARBLE
MFD	MEDIUM DENSITY FIBERBOARD
MEP	MECHANICAL, ELECTRICAL & PLUMBING
MECH	MECHANICAL
MEMB	MEMBRANE
MEZZ	MEZZANINE
MFR	MANUFACTURER
MH	MOP HANDLE / MAN HOLE
MIN	MINIMUM / MINUTE
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MRGWB	MOISTURE-RESISTANT GYPSUM WALLBOARD
MRT	MORTAR

MTD	MOUNTED
MTG	MOUNTING
MTL	METAL
MULL	MULLION

N	
N	NORTH
NA	NOT APPLICABLE
NC	NOISE CRITERIA
NIC	NOT IN CONTRACT
NOM	NOMINAL
NTS	NOT TO SCALE

O	
OA	OUTSIDE AIR
OC	ON CENTER
OCEW	ON CENTER EACH WAY
OD	OUTSIDE DIAMETER
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
OFF	OFFICE
OH	OVERHEAD
OPH	OPPOSITE HAND
OPNG	OPENING
OPP	OPPOSITE
ORD	OVERFLOW ROOF DRAIN
OUTS	OUTSIDE
DVHD	OVERHEAD
OW	OPERABLE WALL

P	PAIN
PA	PUBLIC ADDRESS
PAV	PAVING
PARTN	PARTITION
PATD	PAPER TOWEL DISPENSER
PBD	PARTICLEBOARD
PC	PRECAST CONCRETE
PERF	PERFORATED
PERIM	PERIMETER
PERP	PERPENDICULAR
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PL	PROPERTY LINE / PLATE
PLBG	PLUMBING
PLYWD	PLYWOOD
PNL	PANEL
POL	POLISHED
PR	PAIR
PREFAB	PREFABRICATED
PROJ	PROJECT
PS	PROJECTION SCREEN
PSS	PENCIL SHARPENER SUPPORT
PT	PAINT
PTN	PARTITION
PTR	PAPER TOWEL RECEPTACLE
PV	PAVERS
PVC	POLYVINYL CHLORIDE PIPE
PVMT	PAVEMENT

Q	
QT	QUARRY TILE
QTY	QUANTITY

R	
R	RADIUS
RA	RETURN AIR
RB	RESILIENT BASE
RBR	RUBBER
RC	REFLECTED CEILING PLAN
RDP	ROOF DRAIN
REC	RECESSED
RECOM	RECOMMENDED
RECPY	RECEPTACLE
REF	REFERENCE
REFL	REFLECT
REFR	REFRIGERATOR
REG	REGISTER
REINF	REINFORCE
REM	REMOVABLE
REQD	REQUIRED
RESIL	RESILIENT
REV	REVISION
RFG	ROOFING
RM	ROOM
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RTD	RATED
RTG	RATING

S	
S	SOUTH
SA	SUPPLY AIR
SAN	SANITARY
SC	SOLID CORE
SCWD	SOLID CORE WOOD DOOR
SCHED	SCHEDULE
SD	STORM DRAIN / SMOKE DETECTOR
SECT	SECTION
SEW	SEWER
SFCMU	SPLIT-FACED CONCRETE MASONRY UNIT
SGFT	STRUCTURAL GLAZED FACING TILE
SH	SHOWER
SHT	SHEET

SIM	SIMILAR
SLR	SEALER
SM	SHEET METAL
SND	SANITARY NAPKIN DISPENSER
SPECS	SPECIFICATIONS
SPKR	SPEAKER
SPH	SPRINKLER HEAD
SPR	SPRINKLER
SQ	SQUARE
SS	STAINLESS STEEL
SSE	STRUCTURAL SLAB ELEVATION
SSF	SOLID SURFACE
SSK	SERVICE SINK
ST	STORM / STREET
STA	STATION
STC	SOUND TRANSMISSION COEFFICIENT
STD	STANDARD
STE	SUITE
STL	STEEL
STLST	STEEL JOIST
STN	STAIN
STOR	STORAGE
STRG	STRINGER
STRUCT	STRUCTURAL
SUBCAT	SUBCATEGORY
SUSP	SUSPENDED
SW	SHORT WAY / SIDEWALK
SYMM	SYMMETRICAL
SYNTH	SYNTHETIC
SYS	SYSTEM

T	TREAD / THERMOSTAT
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
TA	TOILET ACCESSORY
TB	TOWEL BAR
TEL	TELEPHONE
TEMP	TEMPERATURE
TER	TERRAZZO
THK	THICKNESS
THRES	THRESHOLD
THRU	THROUGH
TKBD	TACKBOARD
TMPO	TEMPERED
T/O	TOP OF
TPD	TOILET PAPER DISPENSER
TS	TRANSITION STRIP
TV	TELEVISION
TYP	TYPICAL
TWS	TACKABLE WALL SURFACE

U	
UNFIN	UNFINISHED
UNO	UNLESS NOTED OTHERWISE
UV	UNIT VENTILATOR
UR	URINAL

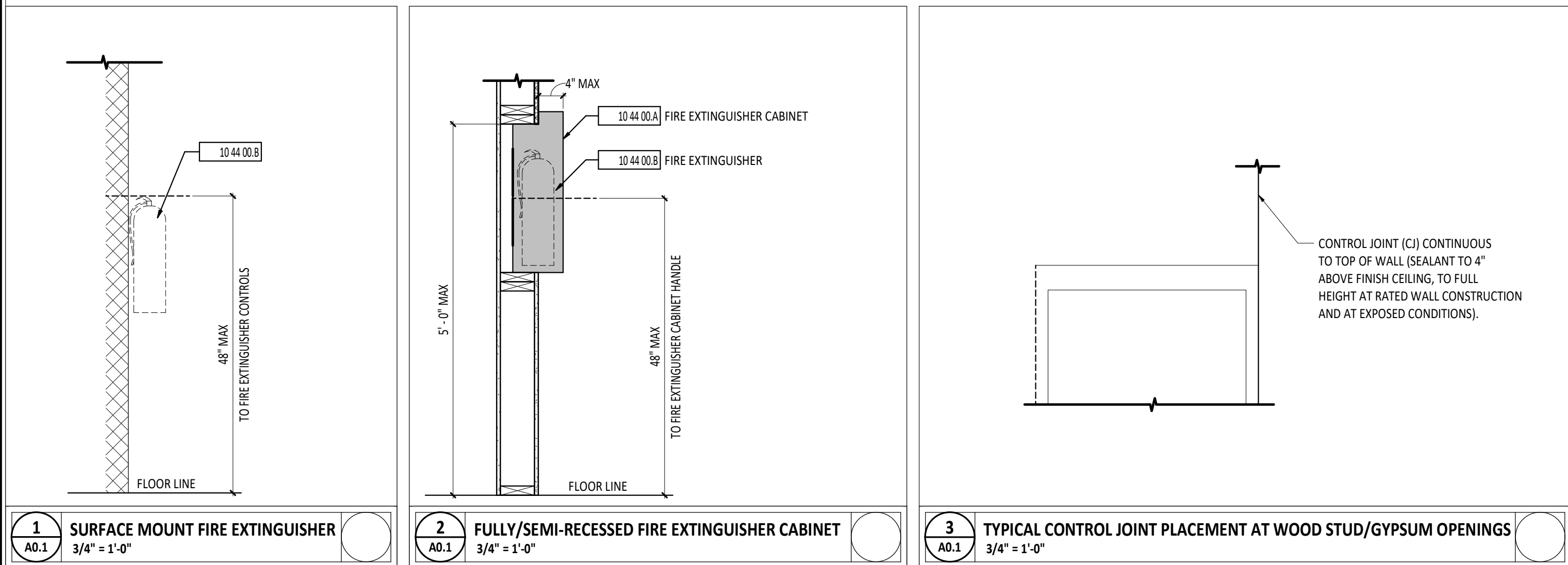
V	
VAC	VENTILATION AND AIR CONDITIONING
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
VIT	VITREOUS
VOL	VOLUME
VR	VAPOR RETARDER
VRB	VENTED RESILIENT BASE
VS	VENT STACK
VT	VINYL (ENHANCED / COMPOSITION) TILE
VWC	VINYL WALL COVERING

W	
W	WEST / WIDTH
W/	WITH
W/O	WITHOUT
WA	WARDROBE ACCESSORIES
WB	WOOD BASE
WC	WATER CLOSET
WD	WOOD
WDW	WINDOW
WGT	WEIGHT
WH	WATER HEATER
WP	WATERPROOFING
WPM	WATERPROOF MEMBRANE
WR	WATER RESISTANT / REPELLANT
WST	WEATHERSTRIPPING
WVST	WAINSCOT
WSSK	WALL SERVICE SINK
WT	WINDOW TREATMENT
WVR	WOOD VENEER
WW	WALL TO WALL
WWF	WELED WIRE FABRIC

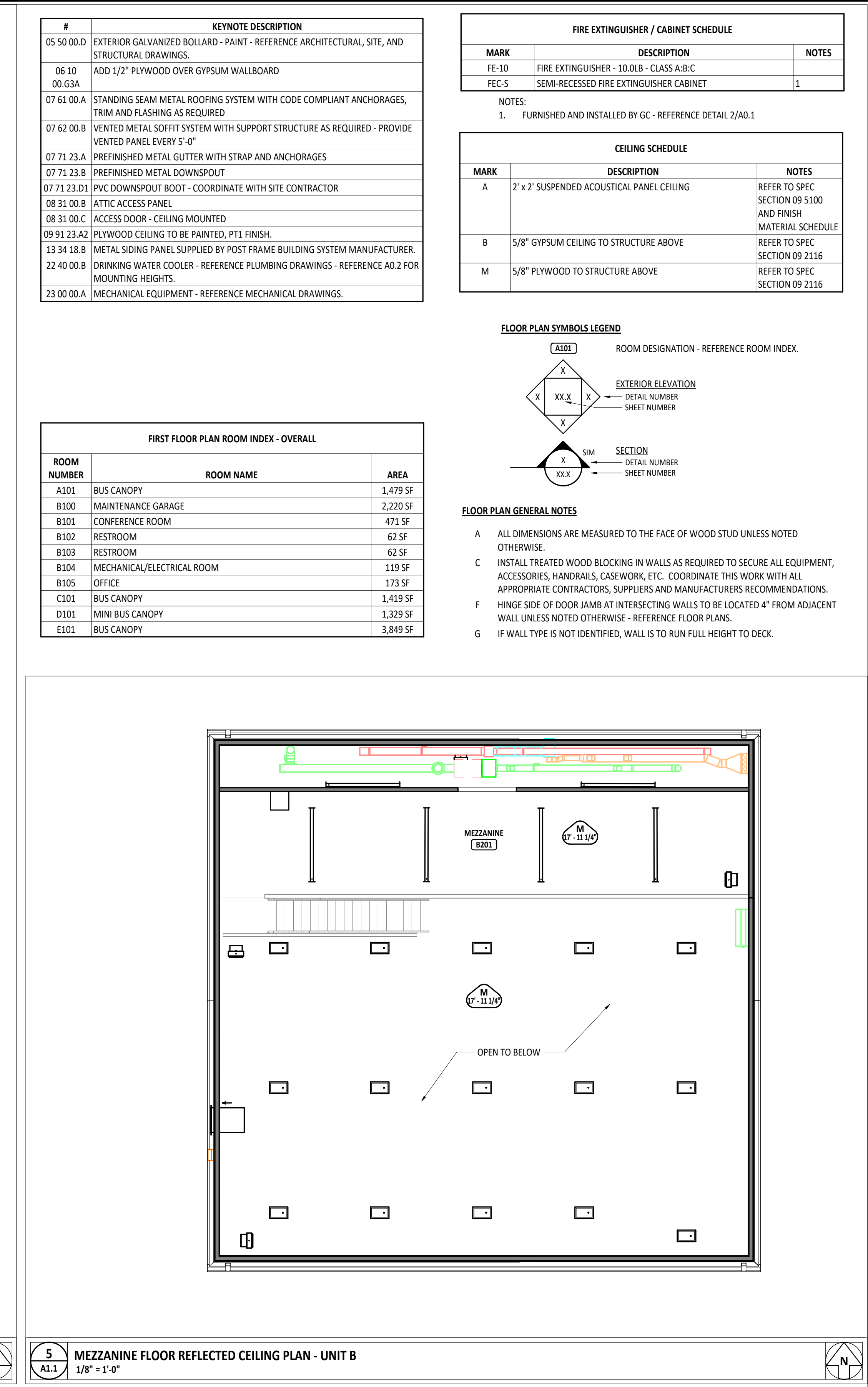
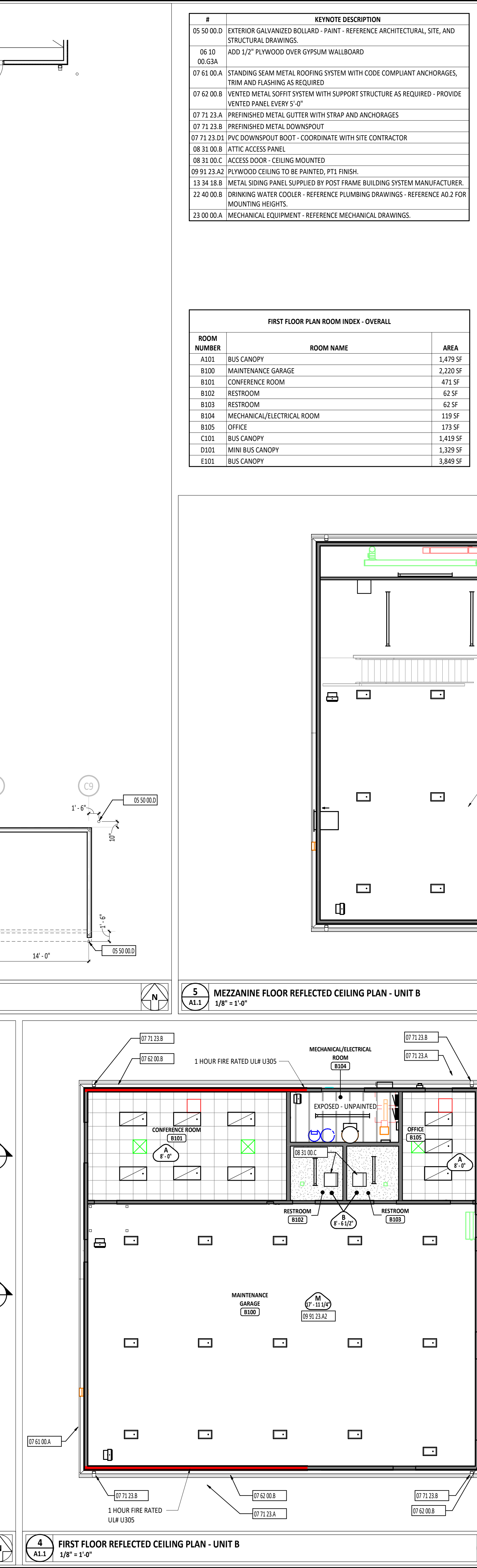
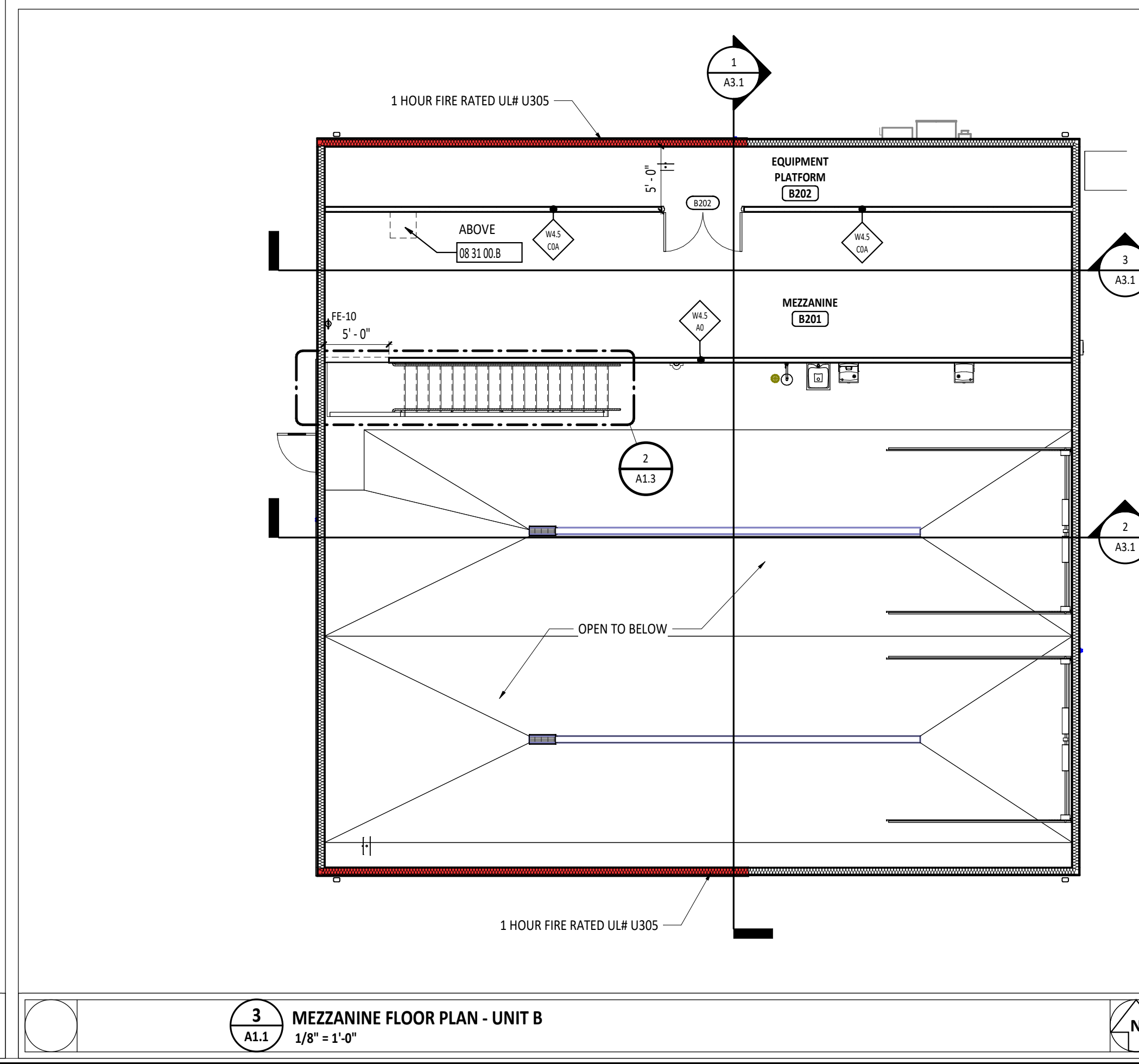
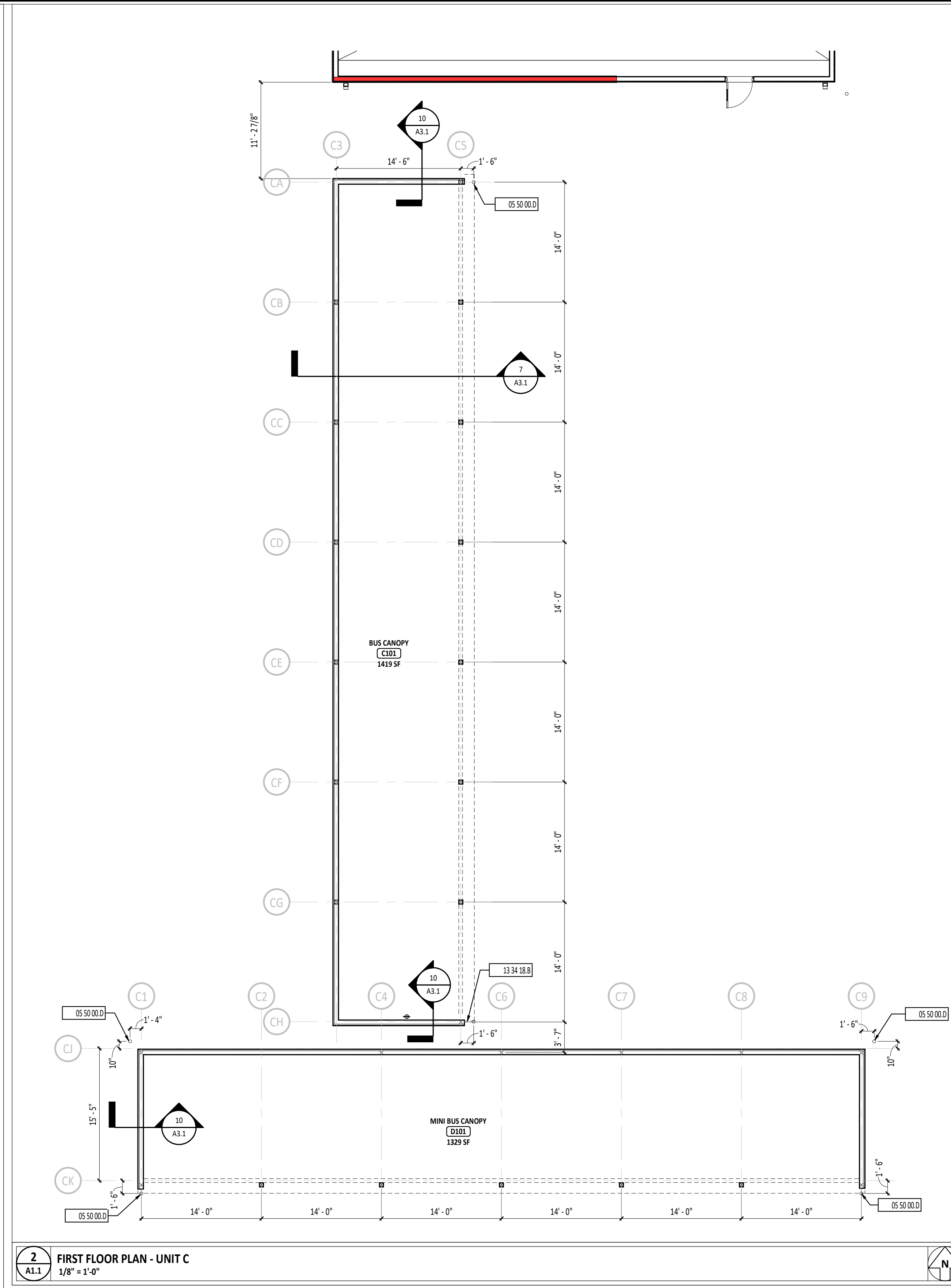
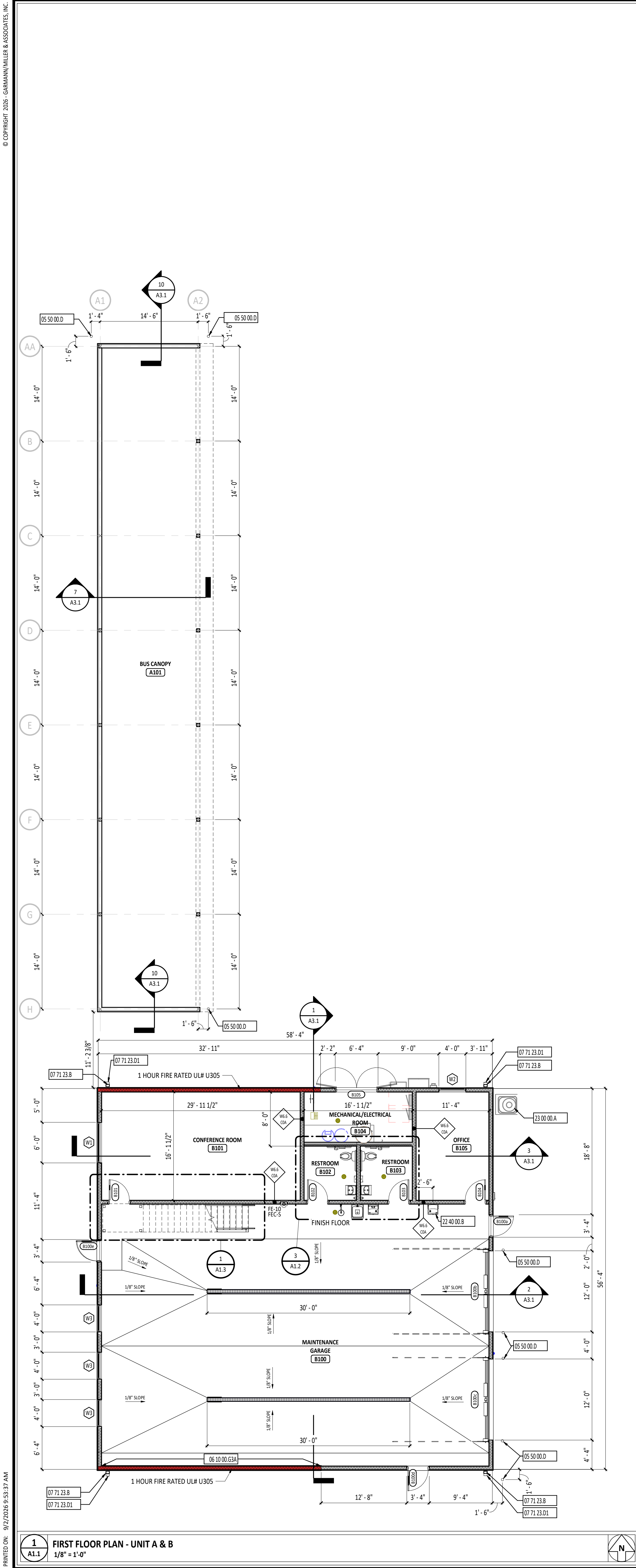
Y	
YD	YARD / YARD DRAIN

GENERAL NOTES

- A REFERENCE GENERAL CONSTRUCTION NOTES AND SPECIFICATIONS FOR MORE INFORMATION AND BID ALTERNATES.
- B REFERENCE SPECIFICATIONS AND DRAWINGS FOR SPECIAL REQUIREMENTS AND CONDITIONS.
- C FINISH FIRST FLOOR ELEVATION INDICATED FOR THE NEW WORK IS 100'-0". REFERENCE SITE DRAWINGS FOR RELATIONSHIP TO U.S.G.S. DATUM. ELEVATIONS OF EXISTING ELEMENTS RELATIVE TO 100'-0" SHALL BE FIELD VERIFIED BY THE CONTRACTOR(S). CONTRACTOR(S) SHALL NOTIFY THE CONSTRUCTION MANAGER IMMEDIATELY OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.
- D THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE WORK IS COMPLETE. CONTRACTOR(S) SHALL DETERMINE THE CONSTRUCTION PROCEDURES AND SEQUENCES AND ENSURE THE INTEGRITY OF THE WORK AND ITS COMPONENT PARTS DURING CONSTRUCTION. THIS INCLUDES SHORING, SHEATHING, TEMPORARY ENCLOSURES AND TEMPORARY POSITIVE WATER DRAINAGE FROM THE SITE AND ALL BUILDING ROOFS.
- E CONTRACTOR(S) SHALL MAINTAIN ALL LEGAL EGRESS FROM THE WORK TO COMPLY WITH APPLICABLE BUILDING CODES, SAFETY REGULATIONS AND THE DISCRETION OF THE GOVERNING LOCAL BUILDING CODE AUTHORITIES FOR THE HEALTH, SAFETY AND WELFARE OF THE PUBLIC FOR NORMAL ACTIVITIES AND EMERGENCY EGRESS FROM THE WORK. THE CONTRACTOR(S) SHALL FURNISH AND INSTALL ANY TEMPORARY WALLS, DOORS, HARDWARE PARTITIONS, SCREENS, ENCLOSURES AND PEDESTRIAN PROTECTIONS TO MAINTAIN SUCH LEGAL EGRESS.
- F CONTRACTOR(S) SHALL VERIFY ALL DIMENSIONS AND CLEARANCES BEFORE PROCEEDING WITH THE WORK. COMMENCEMENT OF THE WORK BY THE CONTRACTOR(S), CONSTITUTES ACCEPTANCE OF THE EXISTING CONDITIONS. CONTRACTOR(S) SHALL NOTIFY THE CONSTRUCTION MANAGER IMMEDIATELY OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.
- G ALL CIP CONCRETE CURBS AND EQUIPMENT PADS SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR RESPONSIBLE FOR THE ASSOCIATED WORK.
- H DIFFERENT FLOOR FINISH MATERIALS SHALL MEET UNDER THE CENTERLINE OF THE DOOR IN THE CLOSED POSITION UNLESS NOTED OR DETAILED OTHERWISE.
- I FURNISH AND INSTALL FLOOR DRAINS 1/2" BELOW FLOOR PERIMETER. SLOPE FINISH FLOOR TO FLOOR DRAINS. REFERENCE PLUMBING DRAWINGS FOR EXACT LOCATIONS.
- J FURNISH AND INSTALL CASING READ AT ALL LOCATIONS WHERE GYPSUM WALLBOARD ABUTS DISSIMILAR MATERIALS. TYPICAL UNLESS NOTED OR DETAILED OTHERWISE.
- K ALL DIMENSIONS ARE MEASURED TO THE FACE OF MASONRY OR THE FACE OF STUD UNLESS NOTED OR DETAILED OTHERWISE.
- L FILL IN ALL MASONRY VOIDS WITH MORTAR OR GROUT WHERE MASONRY ANCHORS OCCUR.
- M ALL CMU'S THAT DO NOT LAY OUT IN FULL OR HALF BLOCK LENGTHS SHALL BE BALANCED SUCH THAT PIECES SHALL HAVE NO LESS THAN 4" EXPOSED TO VIEW.
- N ALL CMU CORNERS, HORIZONTAL OR VERTICAL, SHALL BE BULLNOSE UNLESS NOTED OR DETAILED OTHERWISE.
- O BOTH EXTERIOR AND INTERIOR CMU WORK SHALL BE RUNNING BOND UNLESS NOTED OR DETAILED OTHERWISE.
- P SINGLE WYTHE WALLS ARE INDICATED IN ACTUAL DIMENSIONS UNLESS NOTED OR DETAILED OTHERWISE.
- Q IF FRAME WIDTH DOES NOT MATCH WALL WIDTH, DOOR AND BORROWED LIFE FRAMES SHALL BE INSTALLED TO THE CORRIDOR OR PASSAGE SIDE OF THE WALL UNLESS NOTED OR DETAILED OTHERWISE. NON-CORRIDOR OR NON-PASSAGE FRAMES FROM ROOM TO ROOM SHALL BE FURNISHED AND INSTALLED TO THE SIDE OF THE WALL FACING THE LARGER ROOM. REFERENCE DOOR AND WINDOW DETAILS FOR FRAME LOCATIONS RELATIVE TO THE WALL ONLY. DEDICATED WINDOW FRAMES SHALL BE FURNISHED AND INSTALLED TO THE CENTERLINE OF THE WALL CROSS SECTION.
- R INTERIOR FINISHES SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH THE LOCAL BUILDING CODE AUTHORITY HAVING JURISDICTION OVER THE WORK, AS WELL AS ALL APPLICABLE FEDERAL, STATE AND LOCAL BUILDING CODES AND REGULATIONS.
- S REFERENCE FINISH MATERIAL SCHEDULE FOR ALL INTERIOR FINISHES. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.
- T THE CONTRACTOR(S) SHALL FURNISH AND INSTALL TREATED WOOD BLOCKING IN WALLS AS REQUIRED TO SECURE ALL EQUIPMENT, ACCESSORIES, HANDRAILS, CASEWORK, ETC. COORDINATE THIS WORK WITH ALL APPROPRIATE CONTRACTORS, SUPPLIERS AND MANUFACTURERS RECOMMENDATIONS. SUCH WOOD BLOCKING SHALL BE FASTENED TO STRUCTURAL MEMBERS AND CMU(S) WITH MINIMUM 1/2" DIAMETER EXPANSION BOLTS AT 48" OC MAXIMUM UNLESS NOTED OR DETAILED OTHERWISE.
- U REFERENCE EQUIPMENT PLANS FOR EQUIPMENT MOUNTING HEIGHTS.
- V REFERENCE FLOOR PLANS FOR FIRE EXTINGUISHER (FE) AND FIRE EXTINGUISHER CABINET (FEC) LOCATIONS. REFERENCE EQUIPMENT DRAWINGS FOR MOUNTING HEIGHTS.
- W THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ELECTRICAL WALL BOXES IN PLAIN-FACE CMU(S), FURNISHED AND INSTALLED BY THE GENERAL TRADES CONTRACTOR, AS OPPOSED TO SPLIT-FACE, SOUND-ABSORBING, OR SOUND-DIFFUSING CMU(S). THE GENERAL TRADES CONTRACTOR SHALL COORDINATE SUCH EXACT LOCATIONS WITH THE ELECTRICAL CONTRACTOR. NOTIFY THE ARCHITECT OF THOSE LOCATIONS BEFORE PROCEEDING WITH THE WORK.
- X THE GENERAL TRADES CONTRACTOR IS REQUIRED TO CUT AND PATCH ANY OPENINGS LARGER THAN 8" AS REQUIRED FOR ANY FOOD SERVICE, PLUMBING, MECHANICAL, ELECTRICAL AND FIRE PROTECTION CONTRACTOR(S) TO FURNISH AND INSTALL THEIR WORK. CUTTING AND PATCHING INCLUDING CUTTING FLOOR AND/OR WALL, EXCAVATING, BACK FILLING, PATCHING AND REPAIR AS REQUIRED TO MATCH EXISTING ADJACENT SURFACE TO ACCEPT NEW FINISH. REFERENCE ENGINEERING DRAWINGS FOR LOCATIONS OF WORK TO BE PERFORMED. THIS INCLUDES ALL AREAS NOT SPECIFICALLY NOTED BUT REQUIRING CUTTING AND PATCHING.
- Y REFERENCE CODE PLANS, FLOOR PLANS, REFLECTED CEILING PLANS AND WALL SECTIONS FOR RATED ASSEMBLIES.
- Z REFERENCE INTERIOR ELEVATIONS FOR LOCATIONS OF ANY VARYING CMU TYPES WITHIN THE WALLS.
- AA OPENINGS IN ROOF FOR ROOFTOP EQUIPMENT SHALL BE CUT BY THE ROOFING CONTRACTOR. THE ASSOCIATED CONTRACTOR SHALL COORDINATE LOCATIONS OF SUCH OPENINGS WITH THE ROOFING CONTRACTOR. EQUIPMENT CURBS ARE TO BE FURNISHED BY THE ASSOCIATE CONTRACTOR AND INSTALLED BY THE ROOFING CONTRACTOR.
- BB REFERENCE PLUMBING DRAWINGS FOR ALL VENT STACK LOCATIONS. COORDINATE LOCATIONS OF SUCH PENETRATIONS WITH THE CONTRACTOR(S).
- CC REFERENCE MECHANICAL DRAWINGS FOR ALL FLUE LOCATIONS. COORDINATE LOCATIONS OF SUCH PENETRATIONS WITH THE CONTRACTOR(S).
- DD THE CONTRACTOR SHALL PROTECT ALL ROOF DRAINS, SCUPPERS AND DOWNSPOUTS FROM DEBRIS CREATED DURING DEMOLITION AND CONSTRUCTION. THE CONTRACTOR SHALL INSPECT AND CLEAR ALL ROOF DRAINS, SCUPPERS AND DOWNSPOUTS PRIOR TO THE COMPLETION OF THE WORK AND TO ENSURE THAT ALL ROOF DRAINS, SCUPPERS AND DOWNSPOUTS ARE FREE OF DEBRIS AND ARE FUNCTIONING PROPERLY AT PROJECT COMPLETION.
- EE ALL TYPICAL ROOFING DETAILS ARE SHOWN FOR GENERAL INFORMATION. ALL FINAL FLASHING CONDITIONS SHALL MEET THE APPROVAL OF THE ROOFING MANUFACTURER. ALL DETAIL MODIFICATIONS MUST HAVE SHOP DRAWING APPROVAL.
- FF INSTALL ALL FLASHING AND APPROPRIATE CRICKETS FOR ALL ROOFTOP PENETRATIONS.
- GG ALL TOP OF STEEL AND TOP OF BOND BEAM ELEVATIONS SHOWN ON THE ARCHITECTURAL DRAWINGS ARE FOR COORDINATION PURPOSE ONLY. IN CASE OF DISCREPANCY BETWEEN ARCHITECTURAL AND STRUCTURAL DRAWINGS, CONTRACTOR(S) SHALL USE THE ELEVATIONS ON THE STRUCTURAL DRAWINGS AND NOTIFY THE CONSTRUCTION MANAGER IMMEDIATELY.
- HH CONTRACTOR TO COORDINATE AND MAINTAIN MINIMUM 1'-0" WIDE BY 6'-0" HIGH SPACE ON LATCH SIDE OF ALL DOORS FOR OWNER'S SIGNAGE.
- II IN THE EVENT OF INCONSISTENCIES WITHIN OR BETWEEN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL PROVIDE THE BETTER QUALITY OR GREATER QUALITY OF WORK AND SHALL COMPLY WITH THE STRICTER REQUIREMENTS.
- JJ BASIC DEFINITIONS: 'FURNISH' SHALL MEAN TO PURCHASE AND DELIVER PRODUCT TO THE SITE READY FOR INSTALLATION; 'INSTALL' SHALL MEAN TO TAKE FURNISHED PRODUCT AND ASSEMBLE, ERECT, SECURE IN PLACE, CONNECT IN OPERATION AS APPLICABLE; 'PROVIDE' SHALL MEAN TO FURNISH AND INSTALL.



MATERIAL SYMBOLS USED ON THE CONTRACT DOCUMENTS, INCLUDE BUT ARE NOT LIMITED TO THOSE LISTED BELOW



#	KEYNOTE DESCRIPTION
05 50 00.0	EXTERIOR GALVANIZED BOLLARD - PAINT - REFERENCE ARCHITECTURAL, SITE, AND STRUCTURAL DRAWINGS.
06 10 00.63A	ADD 1/2" PLYWOOD OVER GYPSUM WALLBOARD
07 61 00.0	STANDING SEAM METAL ROOFING SYSTEM WITH CODE COMPLIANT ANCHORAGES, TRIM AND FLASHING AS REQUIRED
07 62 00.0	VENTED METAL SOFFIT SYSTEM WITH SUPPORT STRUCTURE AS REQUIRED - PROVIDE VENTED PANEL EVERY 5'-0"
07 71 23.A	PREFINISHED METAL GUTTER WITH STRAP AND ANCHORAGES
07 71 23.B	PREFINISHED METAL DOWNSPOUT
07 71 23.D1	PVC DOWNSPOUT BOOT - COORDINATE WITH SITE CONTRACTOR
08 31 00.0	ATTIC ACCESS PANEL
08 31 00.C	ACCESS DOOR - CEILING MOUNTED
09 91 23.A2	PLYWOOD CEILING TO BE PAINTED, PT1 FINISH.
13 34 18.8	METAL SIDING PANEL SUPPLIED BY POST FRAME BUILDING SYSTEM MANUFACTURER.
22 40 00.0	DRINKING WATER COOLER - REFERENCE PLUMBING DRAWINGS - REFERENCE AD.2 FOR MOUNTING HEIGHTS.
23 00 00.A	MECHANICAL EQUIPMENT - REFERENCE MECHANICAL DRAWINGS.

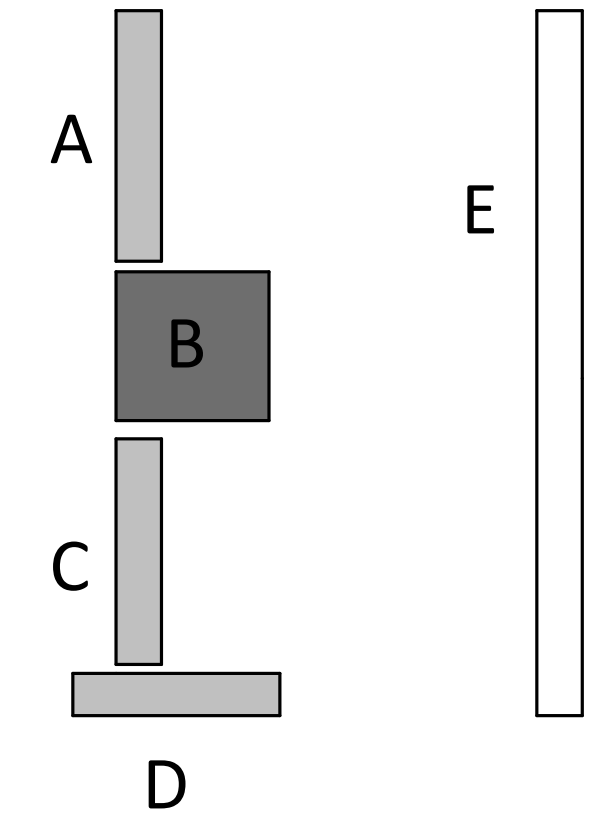
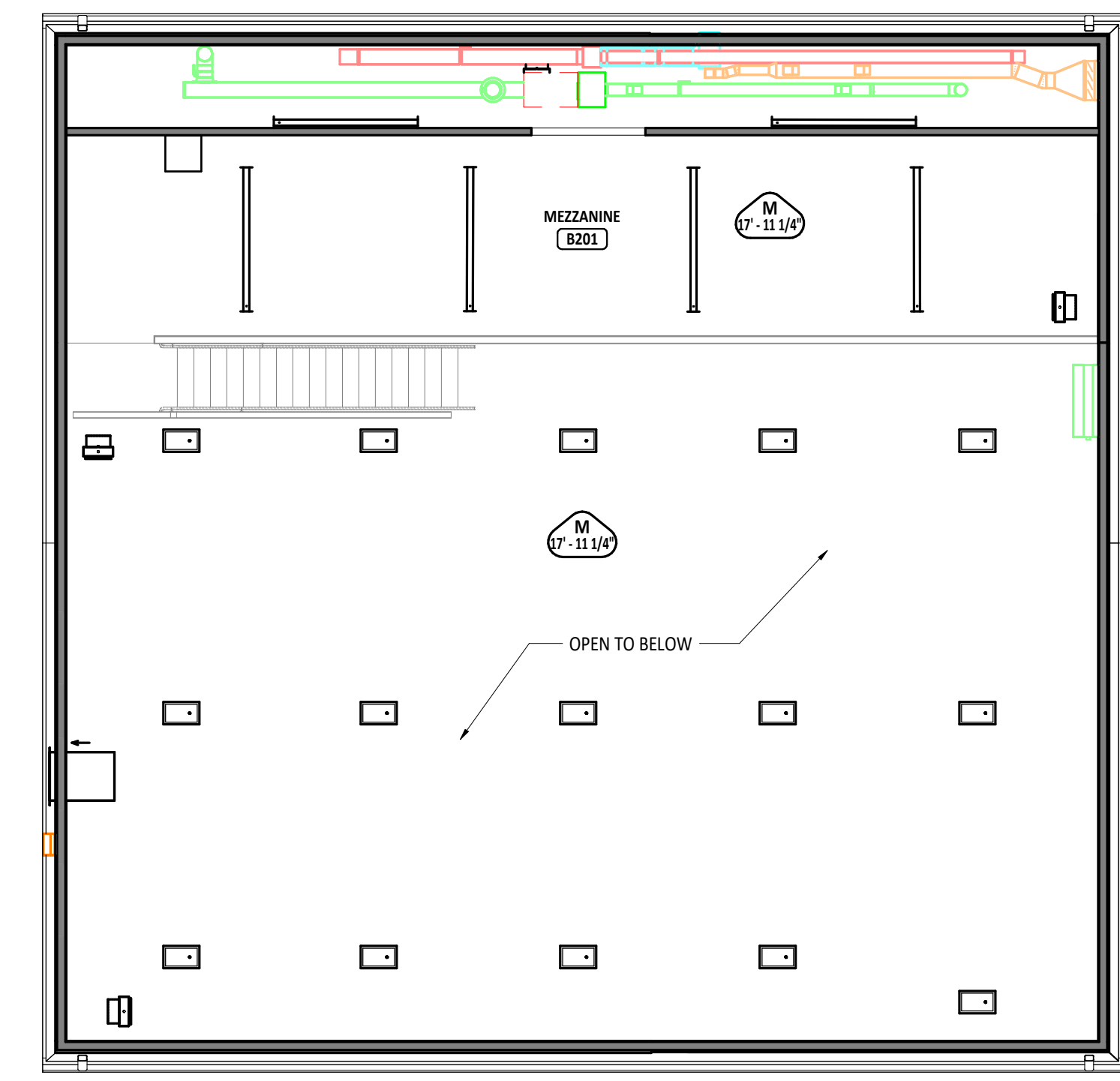
FIRE EXTINGUISHER / CABINET SCHEDULE		
MARK	DESCRIPTION	NOTES
FE-10	FIRE EXTINGUISHER - 10.0LB - CLASS A:B:C	
FEC-5	SEMI-RECESSED FIRE EXTINGUISHER CABINET	1

NOTES:
1. FURNISHED AND INSTALLED BY GC - REFERENCE DETAIL 2/AD.1

CEILING SCHEDULE		
MARK	DESCRIPTION	NOTES
A	2' x 2' SUSPENDED ACOUSTICAL PANEL CEILING	REFER TO SPEC SECTION 09 5100 AND FINISH MATERIAL SCHEDULE
B	5/8" GYPSUM CEILING TO STRUCTURE ABOVE	REFER TO SPEC SECTION 09 2116
M	5/8" PLYWOOD TO STRUCTURE ABOVE	REFER TO SPEC SECTION 09 2116

- FLOOR PLAN SYMBOLS LEGEND**
- ROOM DESIGNATION - REFERENCE ROOM INDEX.
- EXTERIOR ELEVATION
DETAIL NUMBER
SHEET NUMBER
- SECTION
DETAIL NUMBER
SHEET NUMBER
- FLOOR PLAN GENERAL NOTES**
- A ALL DIMENSIONS ARE MEASURED TO THE FACE OF WOOD STUD UNLESS NOTED OTHERWISE.
- C INSTALL TREATED WOOD BLOCKING IN WALLS AS REQUIRED TO SECURE ALL EQUIPMENT, ACCESSORIES, HANDRAILS, CASEWORK, ETC. COORDINATE THIS WORK WITH ALL APPROPRIATE CONTRACTORS, SUPPLIERS AND MANUFACTURERS RECOMMENDATIONS.
- F HINGE SIDE OF DOOR JAMB AT INTERSECTING WALLS TO BE LOCATED 4" FROM ADJACENT WALL UNLESS NOTED OTHERWISE - REFERENCE FLOOR PLANS.
- G IF WALL TYPE IS NOT IDENTIFIED, WALL IS TO RUN FULL HEIGHT TO DECK.

FIRST FLOOR PLAN ROOM INDEX - OVERALL		
ROOM NUMBER	ROOM NAME	AREA
A101	BUS CANOPY	1,479 SF
B100	MAINTENANCE GARAGE	2,220 SF
B101	CONFERENCE ROOM	471 SF
B102	RESTROOM	62 SF
B103	RESTROOM	62 SF
B104	MECHANICAL/ELECTRICAL ROOM	119 SF
B105	OFFICE	173 SF
C101	BUS CANOPY	1,419 SF
D101	MINI BUS CANOPY	1,329 SF
E101	BUS CANOPY	3,849 SF



MATTHEW R. HIBNER
REGISTERED ARCHITECT
NO. AR11300100
STATE OF INDIANA
ARCHITECT
MATTHEW R. HIBNER
LICENSE #AR11300100
EXPIRATION DATE: 12/31/2027

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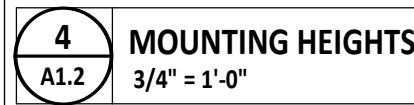
SHENANDOAH SCHOOL CORPORATION NEW TRANSPORTATION CENTER

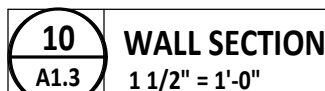
ISSUANCES/REVISIONS
CONSTRUCTION DOCUMENTS 09/02/2025

PROJECT NUMBER: 25031.00
DRAWN BY: MDB
CHECKED BY: MRH

SHEET TITLE:
FIRST FLOOR PLAN - MEZZANINE PLAN - FIRST FLOOR REFLECTED CEILING PLAN

SHEET NUMBER:
A1.1





#	KEYNOTE DESCRIPTION
06 10 00 0	WOOD BLOCKING/NAILER
06 10 00 03	2X WOOD BLOCKING/NAILER BETWEEN STUDS - SEE STRUCTURAL DRAWINGS
06 10 00 04	5/8" PL WOOD
06 10 00 05	3/4" PL WOOD
06 10 00 041	2X4 WOOD FRAMING AT 16" OC
06 10 00 02	2X6 WOOD FRAMING AT 16" OC
06 17 53 8	SHOP-FABRICATED WOOD BEAM JOIST - REFERENCE STRUCTURAL DRAWINGS.
06 20 00 8	1X FINISHED WOOD TRIM - PAINT.
06 20 00 C	1X FINISHED WOOD TRIM WITH BULLNOSE EDGE - STAIN.
06 20 00 K1	2X12 WOOD STRINGER.
06 20 00 K2	2X12 WOOD TRIM - CUT TO SIZE.
06 20 00 K3	2X12 WOOD LANDING.
06 20 00 K4	2X6 WOOD RESES - CUT TO SIZE.
06 20 00 K5	4X4 WOOD POST.
06 20 00 K6	1 1/2" DIAMETER ROUND WOOD HANDRAIL WITH SUPPORT BRACKETS.
06 20 00 K7	WOOD GUAARDRAIL WITH 3/4" VERTICAL PICKETS EVERY 4" X
06 20 00 X8	2X4 LEDGER FULL WIDTH [NOTCH CARRIAGE TO FIT] W/ EMBEDDED ANCHOR AT 12" OC
07 21 16 8	ACOUSTIC BATT INSULATION - FULL CAVITY THICKNESS
07 21 16 9	1" ACUSTIC BATT INSULATION
07 21 30 8	ATTIC ACCESS PANEL
09 21 16 82	5/8" GYPSUM WALLBOARD
09 21 16 82	5/8" TYPE "X" GYPSUM WALLBOARD

ISSUANCES/REVISIONS		
	CONSTRUCTION DOCUMENTS	09/02/2023

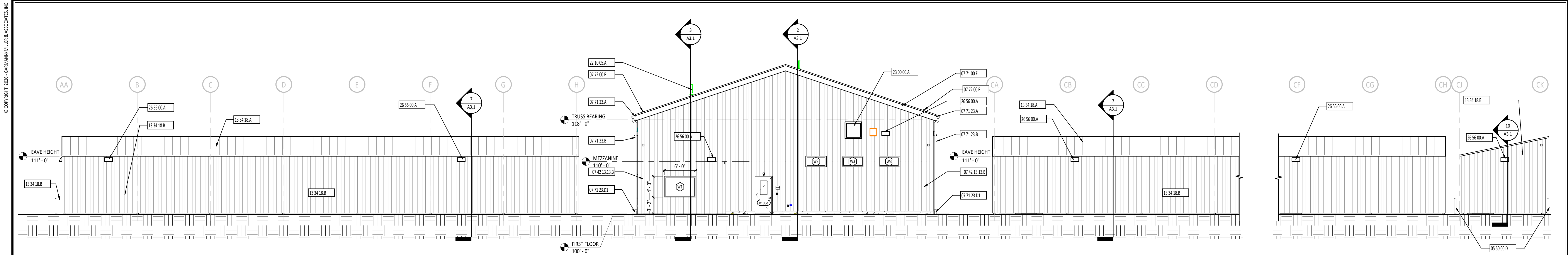
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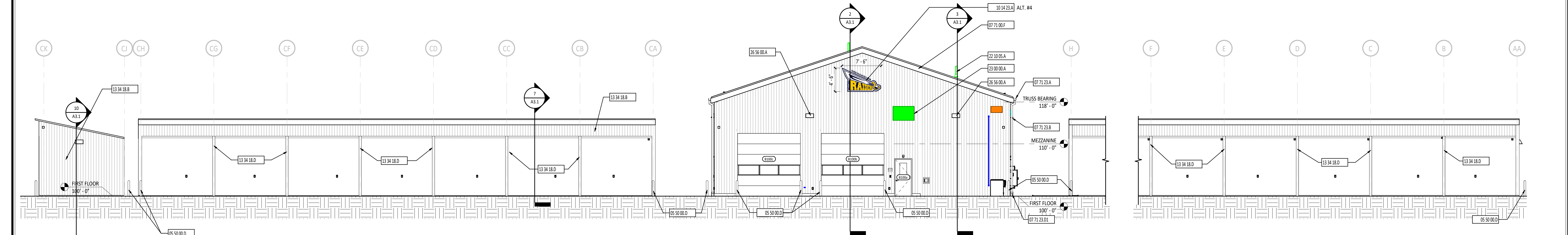
**ENLARGED STAIR
PLANS, SECTIONS,
DETAILS**

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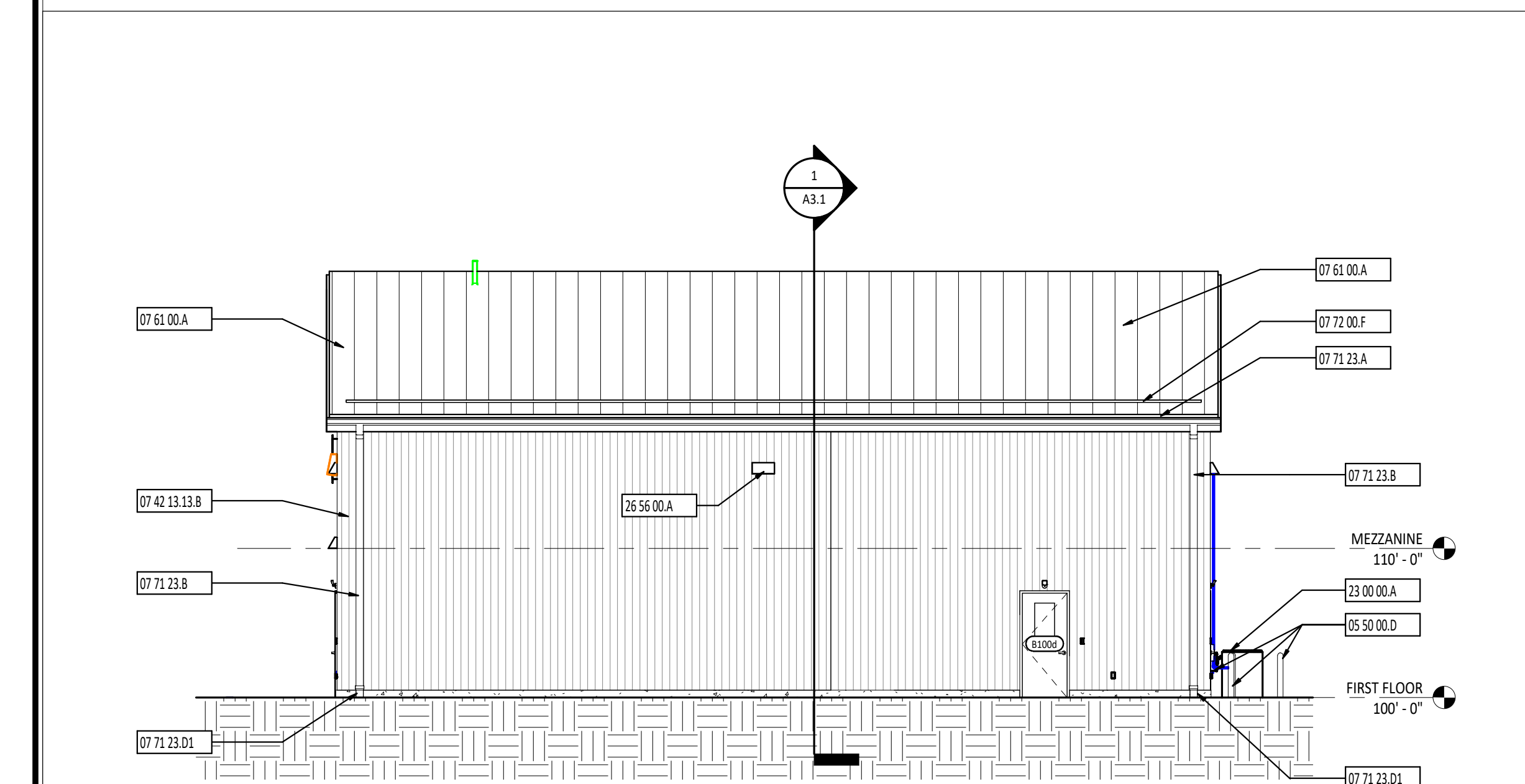
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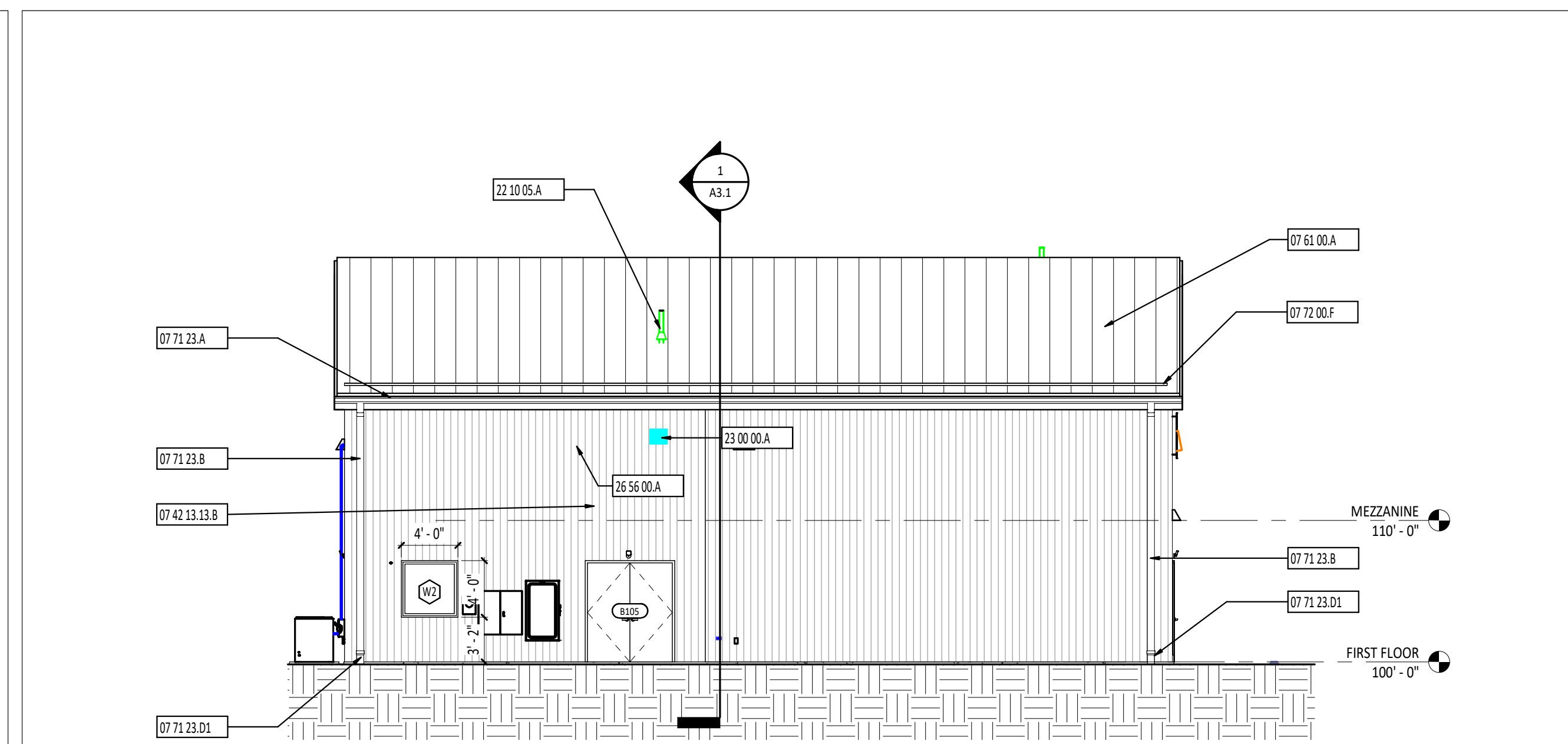
1 BUILDING ELEVATION
1/8" = 1'-0"



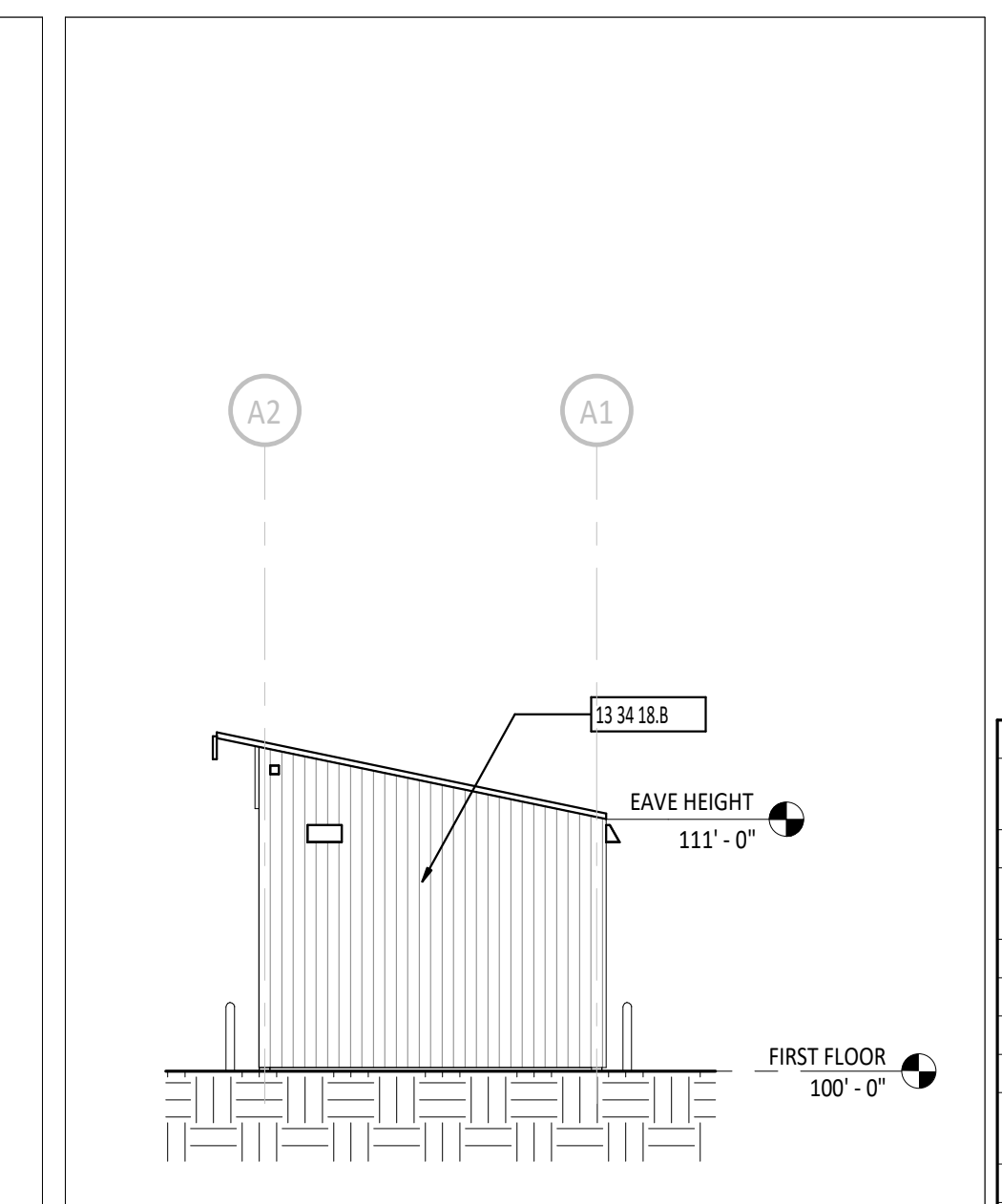
2 BUILDING ELEVATION
1/8" = 1'-0"



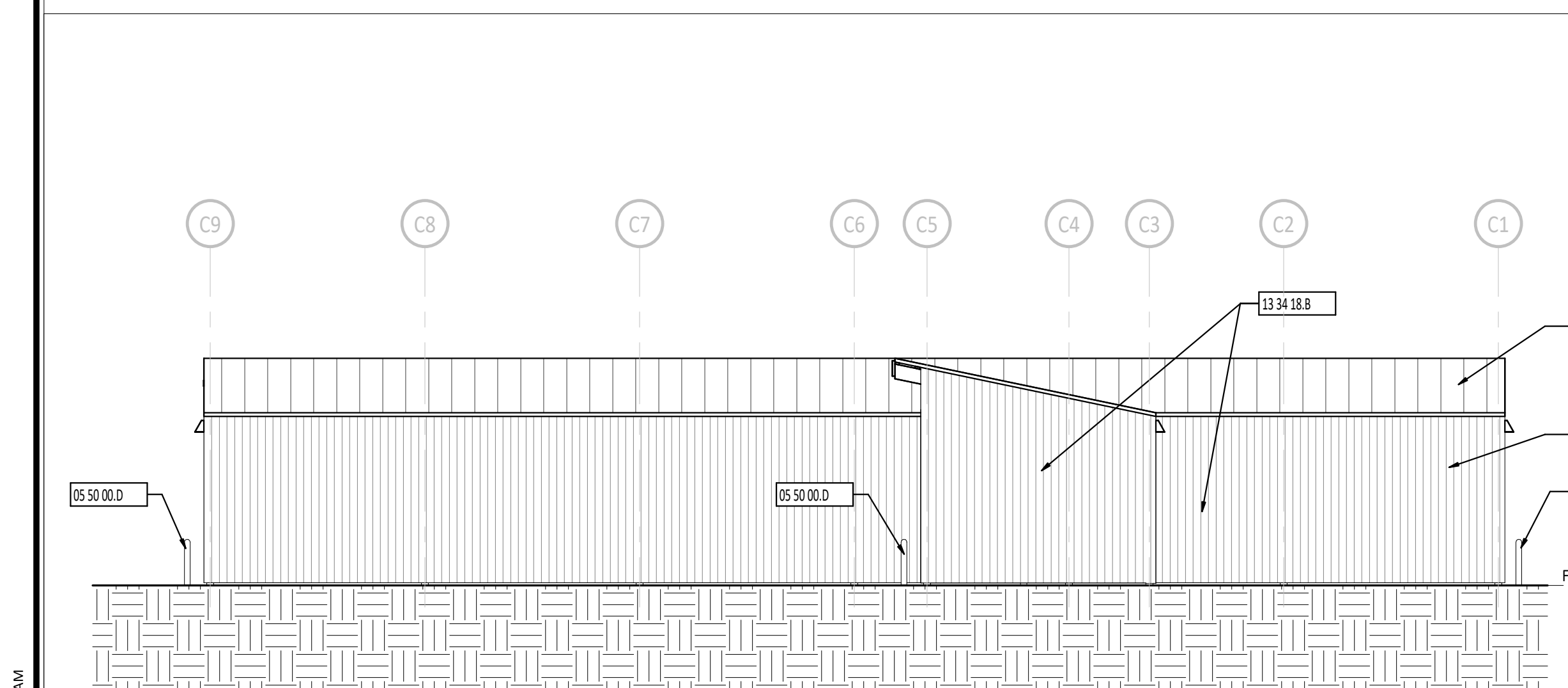
3 BUILDING ELEVATION
1/8" = 1'-0"



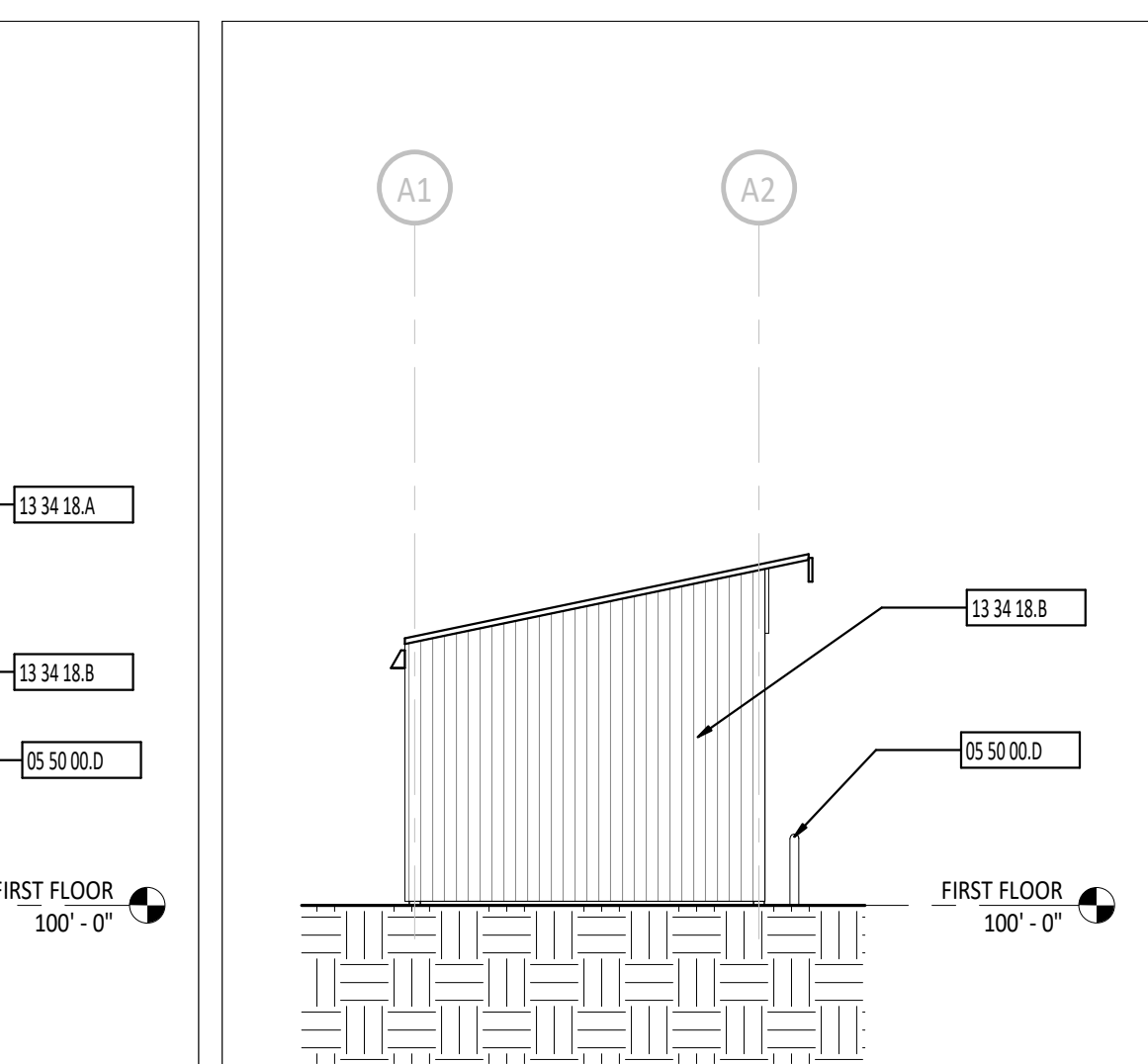
4 BUILDING ELEVATION
1/8" = 1'-0"



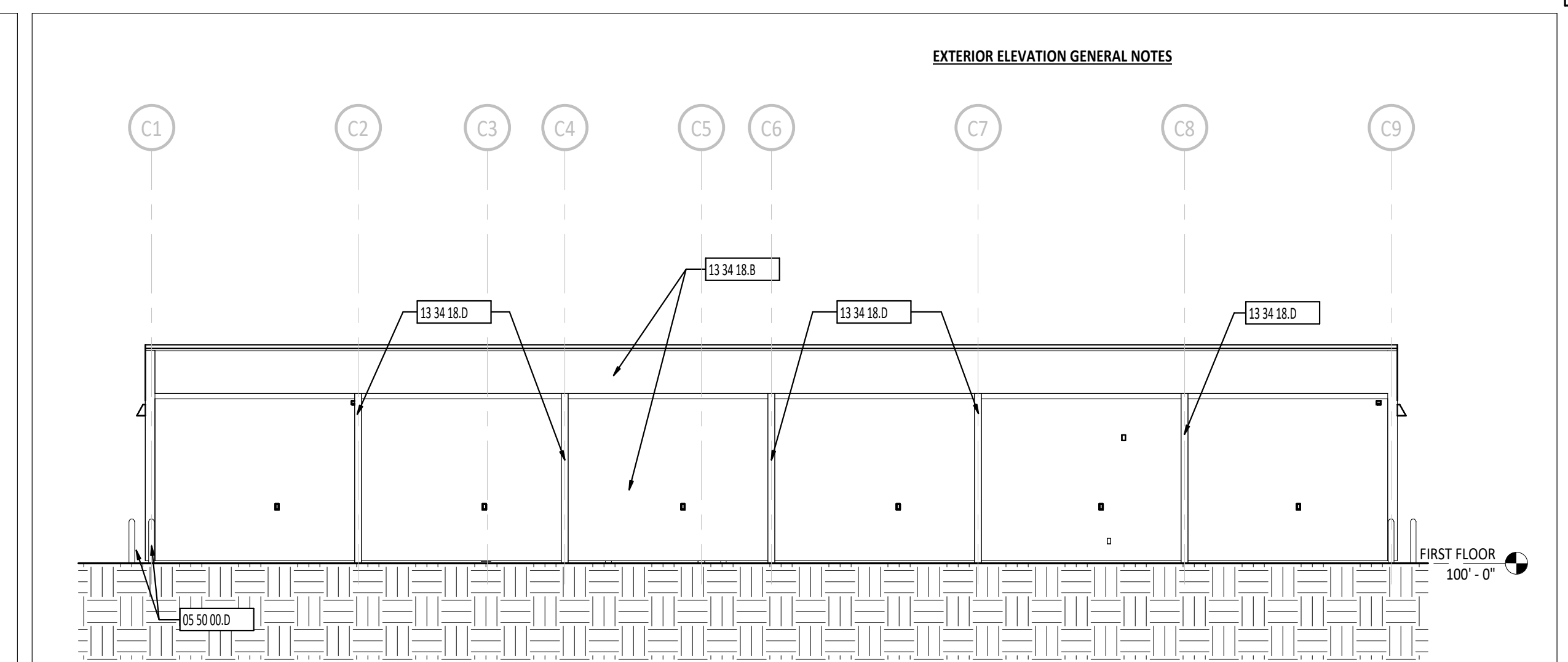
5 BUILDING ELEVATION
1/8" = 1'-0"



6 BUILDING ELEVATION
1/8" = 1'-0"

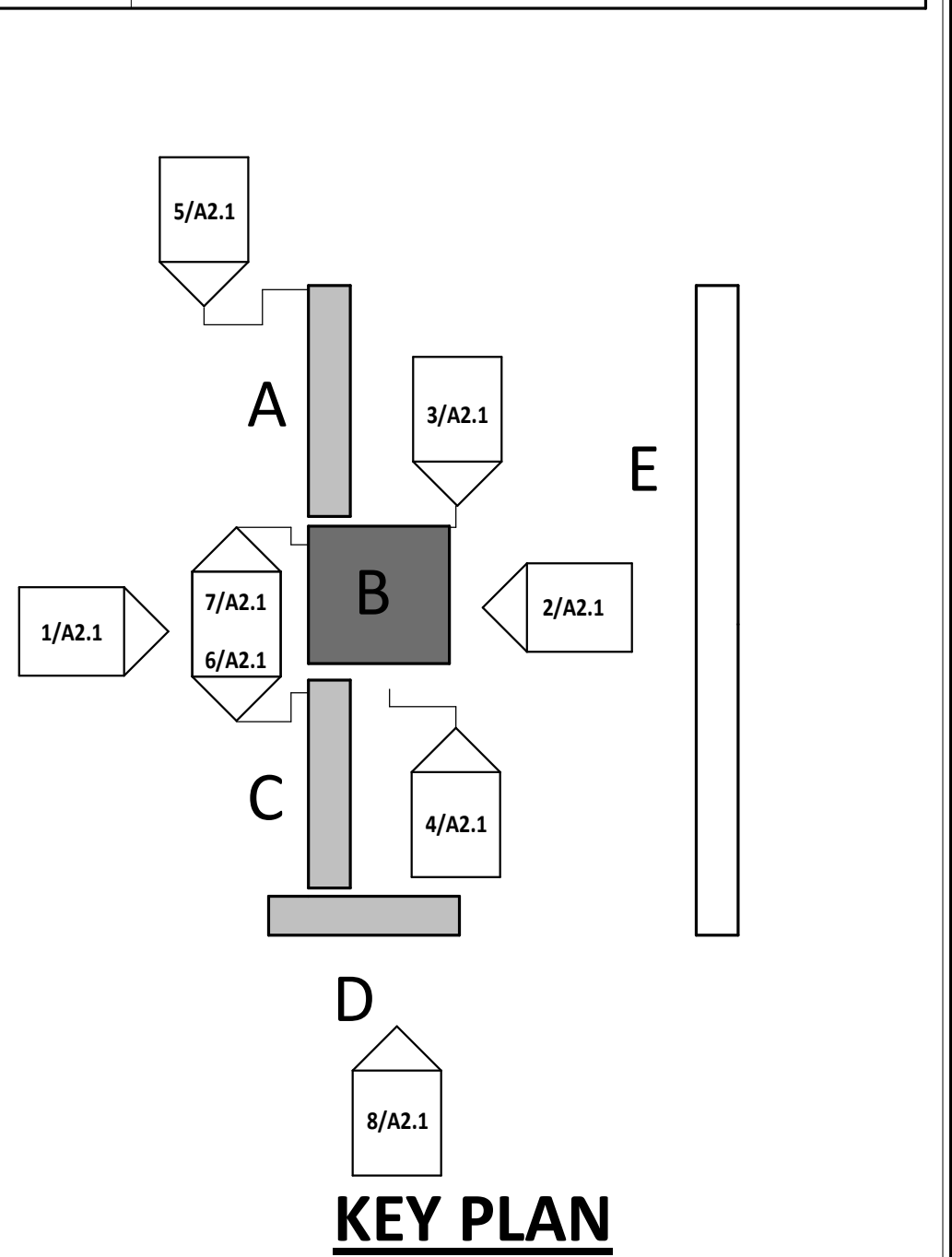


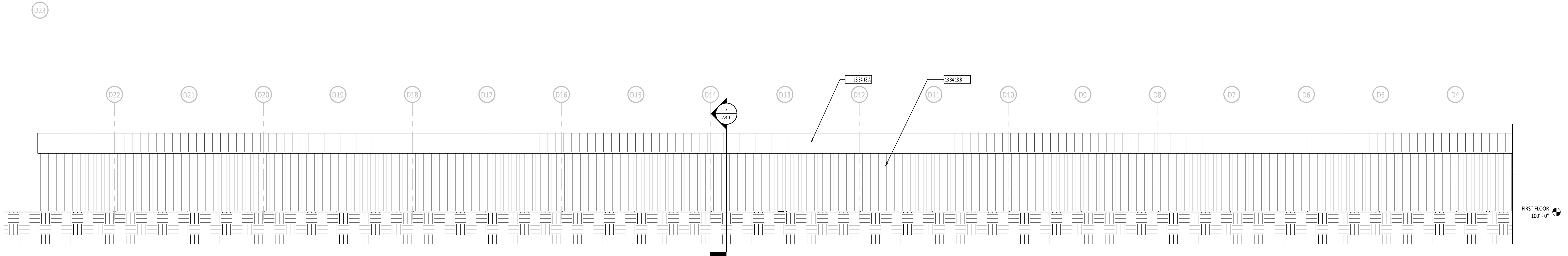
7 BUILDING ELEVATION
1/8" = 1'-0"



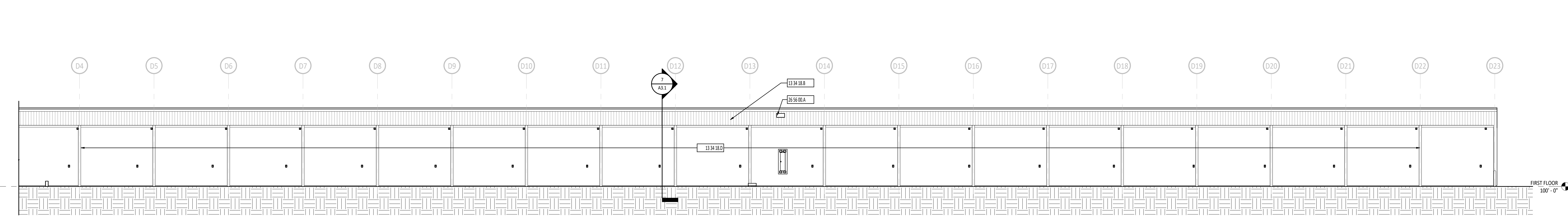
8 BUILDING ELEVATION
1/8" = 1'-0"

EXTERIOR ELEVATION SYMBOLS/LEGEND	
	DOOR DESIGNATION - REFERENCE DOOR/OPENING SCHEDULE.
	SIGNAGE DESIGNATION - REFERENCE SIGNAGE DETAILS.
	CURTAIN WALL/STOREFRONT/WINDOW TYPE DESIGNATION
	LEVEL ELEVATION
	STRUCTURAL GRID - REFERENCE STRUCTURAL DRAWINGS.
	DIVISIONAL KEYNOTE DESIGNATION - REFERENCE KEYNOTE SCHEDULE AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
	KEYNOTE DESIGNATION
	CALLOUT
	DETAIL NUMBER
	SECTION NUMBER
	KEYNOTE DESCRIPTION
#	KEYNOTE DESCRIPTION
05 50 00.D	EXTERIOR GALVANIZED BOLLARD - PAINT - REFERENCE ARCHITECTURAL, SITE, AND STRUCTURAL DRAWINGS.
07 42 13 13.B	PREFINISHED FORMED VERTICAL METAL PANEL - SHIM PANELS PLUMB
07 61 00.A	STANDING SEAM METAL ROOFING SYSTEM WITH CODE COMPLIANT ANCHORAGES, TRIM AND FLASHING AS REQUIRED
07 71 00.F	PREFINISHED ALUMINUM ARCHITECTURAL FASCIA
07 71 23.A	PREFINISHED METAL GUTTER WITH STRAP AND ANCHORAGES
07 71 23.B	PREFINISHED METAL DOWNSPOUT
07 71 23.D1	PVC DOWNSPOUT BOOT - COORDINATE WITH SITE CONTRACTOR
07 72 00.F	SNOW GUARD - CONTINUOUS ACROSS TOP OF VERTICAL LEGS - REFERENCE ROOF PLAN FOR LOCATIONS.
10 14 23.A	FABRICATED METAL LOGO SIGNAGE
13 34 18.A	METAL ROOF PANEL SUPPLIED BY POST FRAME BUILDING SYSTEM MANUFACTURER.
13 34 18.B	METAL SIDING PANEL SUPPLIED BY POST FRAME BUILDING SYSTEM MANUFACTURER.
13 34 18.D	4X4 TREATED POST - PROVIDED BY POST FRAME BUILDING MANUFACTURER
22 10 05.A	PLUMBING VENT - REFERENCE PLUMBING DRAWINGS.
23 00 00.A	MECHANICAL EQUIPMENT - REFERENCE MECHANICAL DRAWINGS.
26 56 00.A	EXTERIOR LIGHT - REFERENCE ELECTRICAL DRAWINGS.

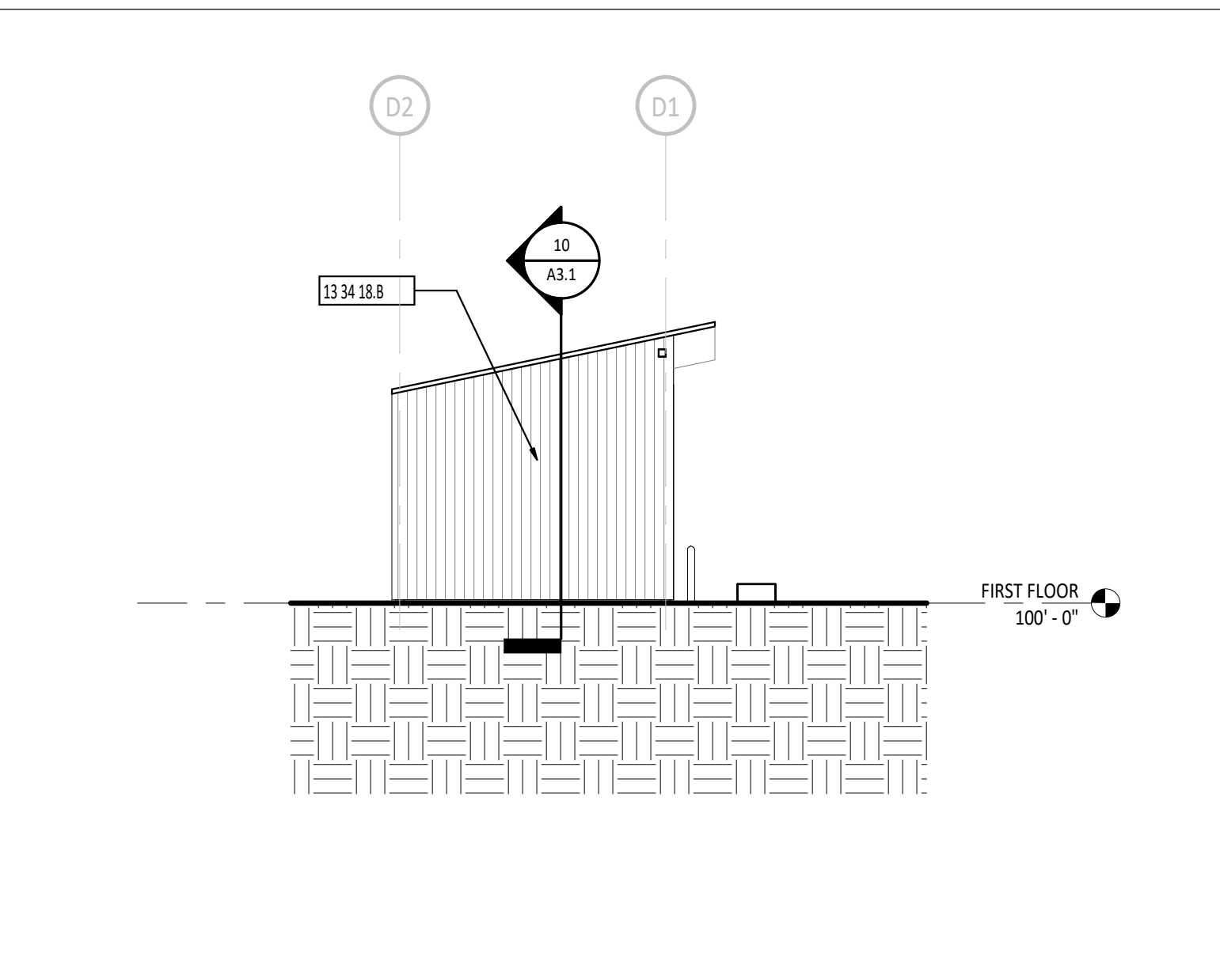




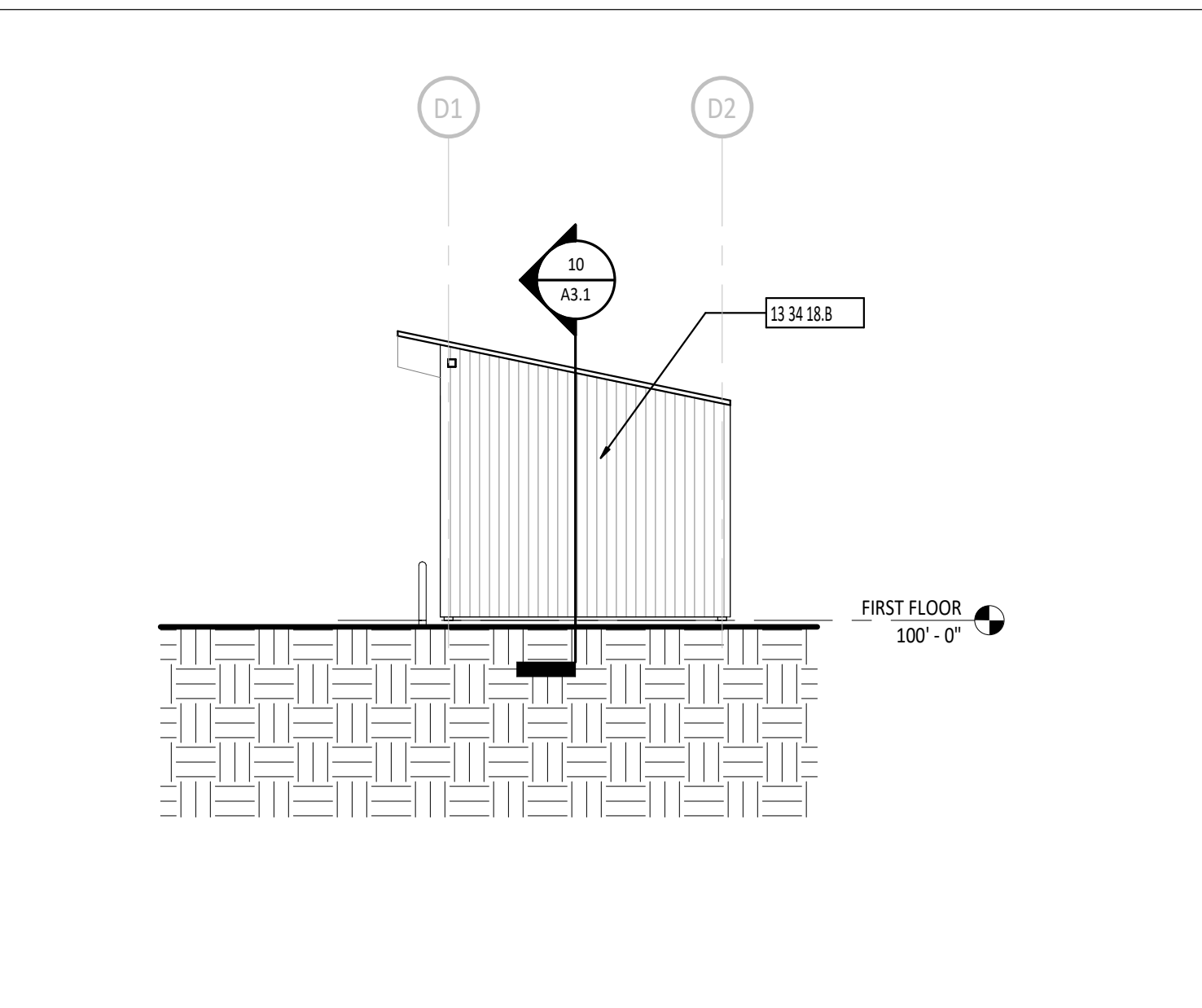
1 BUILDING ELEVATION
1/8" = 1'-0"



2 BUILDING ELEVATION
1/8" = 1'-0"



3 BUILDING ELEVATION
1/8" = 1'-0"

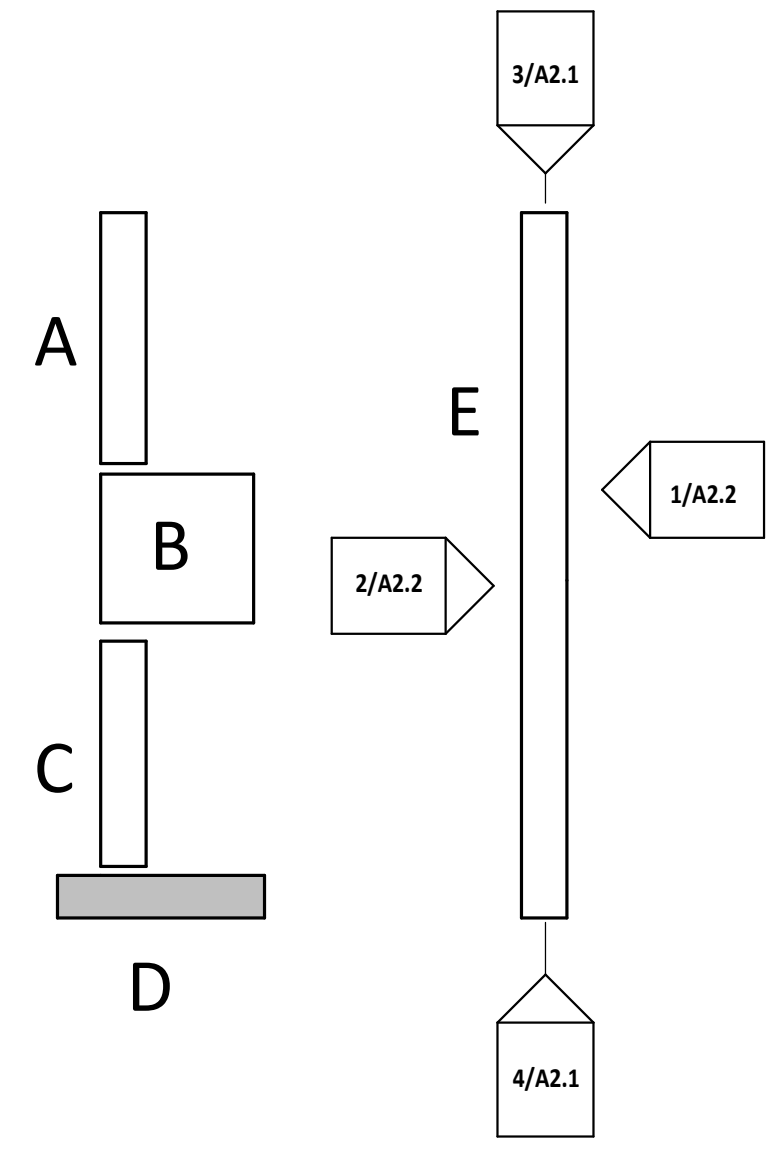


4 BUILDING ELEVATION
1/8" = 1'-0"

EXTERIOR ELEVATION SYMBOLS LEGEND	
	DOOR DESIGNATION - REFERENCE DOOR/OPENING SCHEDULE.
	SIGNAGE DESIGNATION - REFERENCE SIGNAGE DETAILS.
	CURTAIN WALL/STOREFRONT/WINDOW TYPE DESIGNATION
	LEVEL ELEVATION
	STRUCTURAL GRID - REFERENCE STRUCTURAL DRAWINGS.
	DIVISIONAL KEYNOTE DESIGNATION - REFERENCE KEYNOTE SCHEDULE AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
	KEYNOTE DESIGNATION
	SPECIFICATION SECTION
	AREA OF DETAIL
	CALLOUT
	DETAIL NUMBER
	SHEET NUMBER
	SECTION
	DETAIL NUMBER
	SHEET NUMBER

#	KEYNOTE DESCRIPTION
13 34 18.A	METAL ROOF PANEL SUPPLIED BY POST FRAME BUILDING SYSTEM MANUFACTURER.
13 34 18.B	METAL SIDING PANEL SUPPLIED BY POST FRAME BUILDING SYSTEM MANUFACTURER.
13 34 18.D	4X4 TREATED POST - PROVIDED BY POST FRAME BUILDING MANUFACTURER
26 56 00.A	EXTERIOR LIGHT - REFERENCE ELECTRICAL DRAWINGS.

EXTERIOR ELEVATION GENERAL NOTES

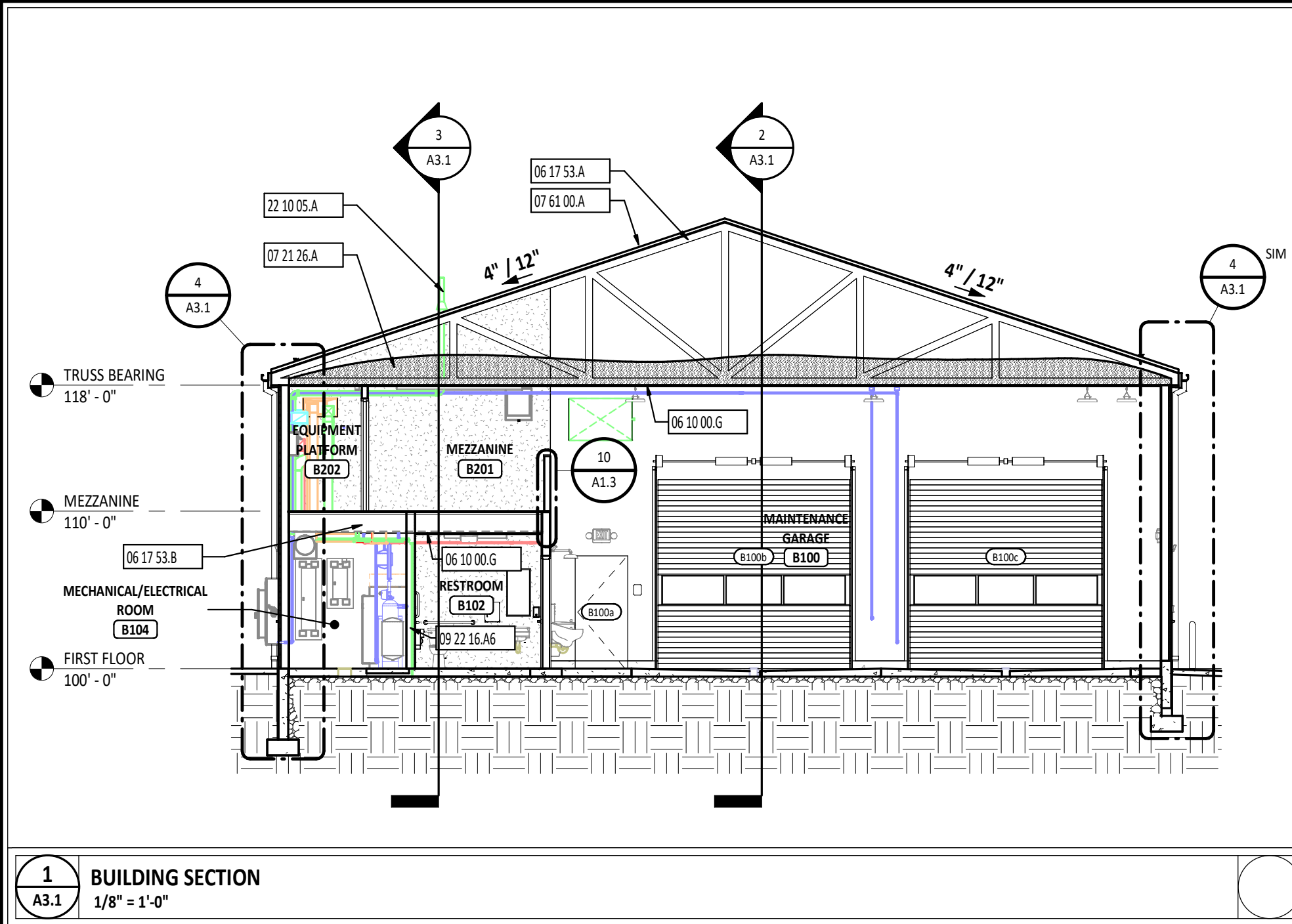


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CONSTRUCTION DOCUMENTS	09/02/2025

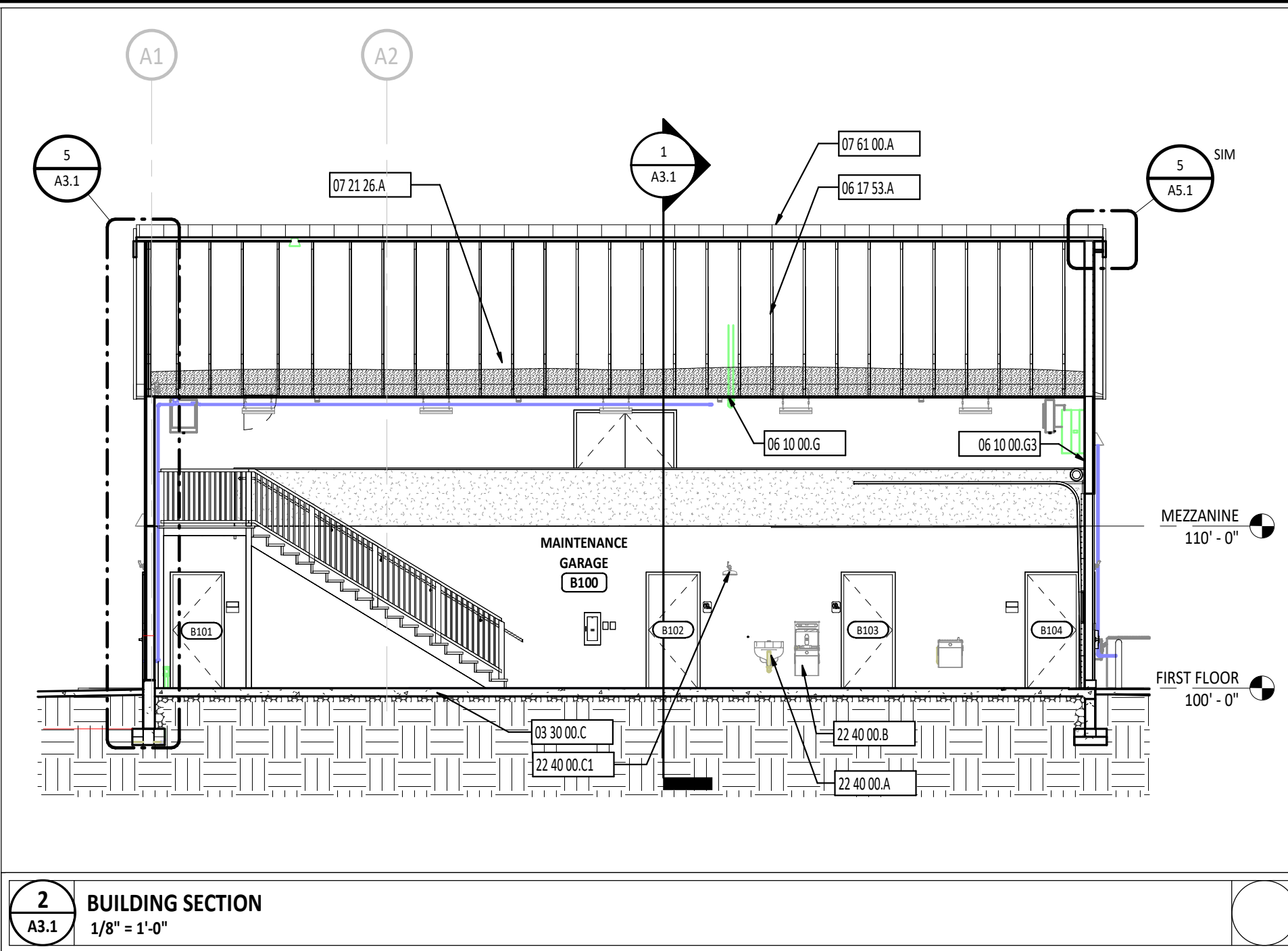
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25031.00	MD8	MRH

SHEET TITLE:
EXTERIOR ELEVATIONS

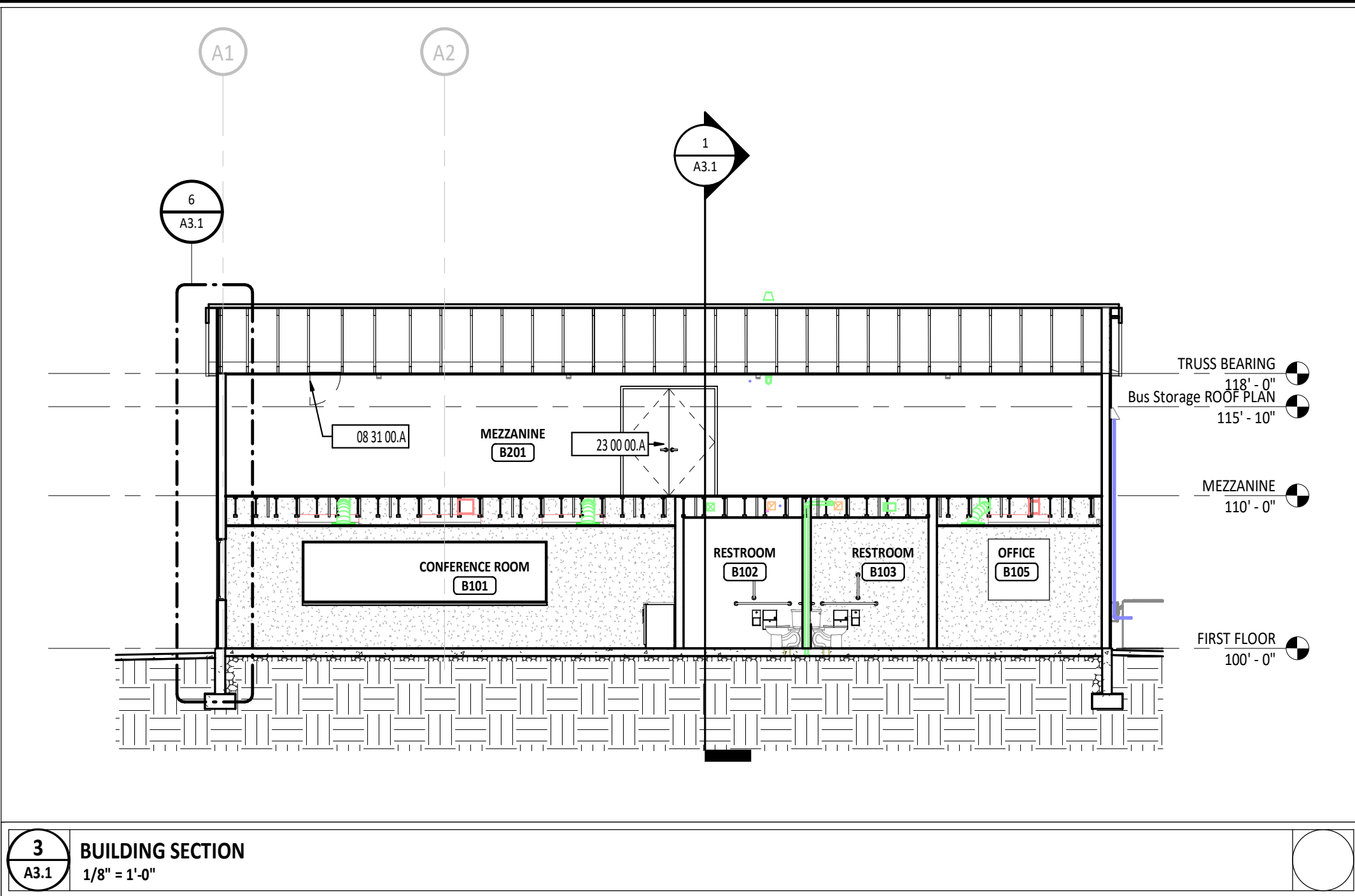
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A2.2



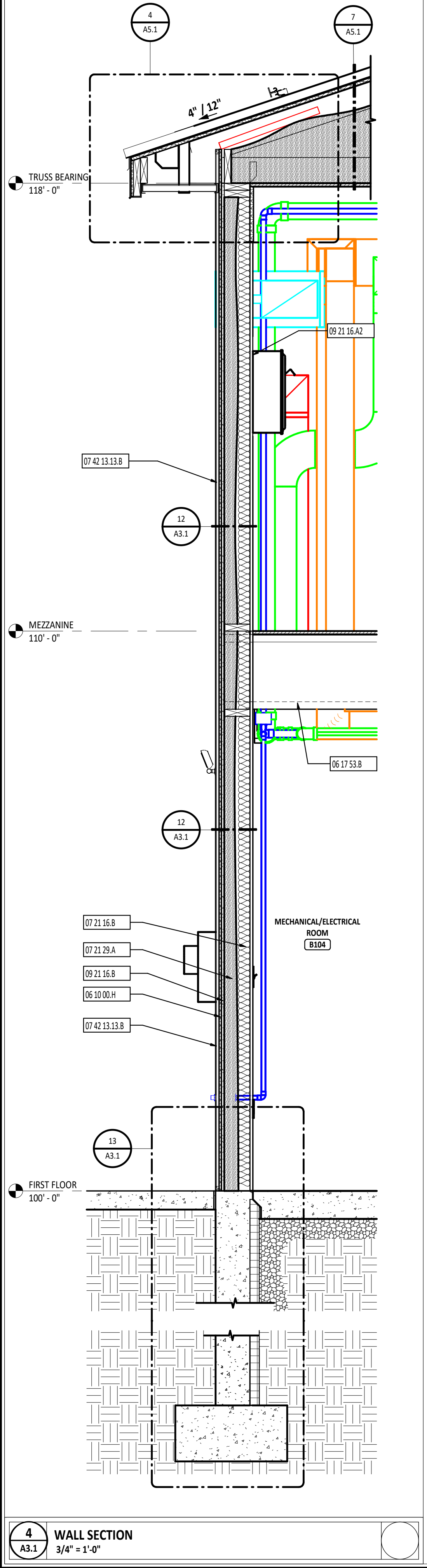
1 BUILDING SECTION
1/8" = 1'-0"



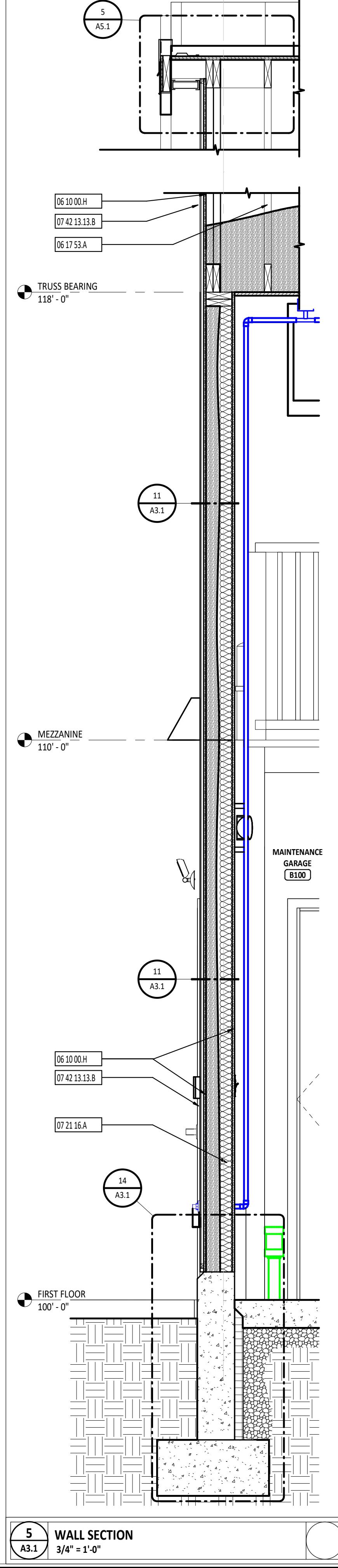
2 BUILDING SECTION
1/8" = 1'-0"



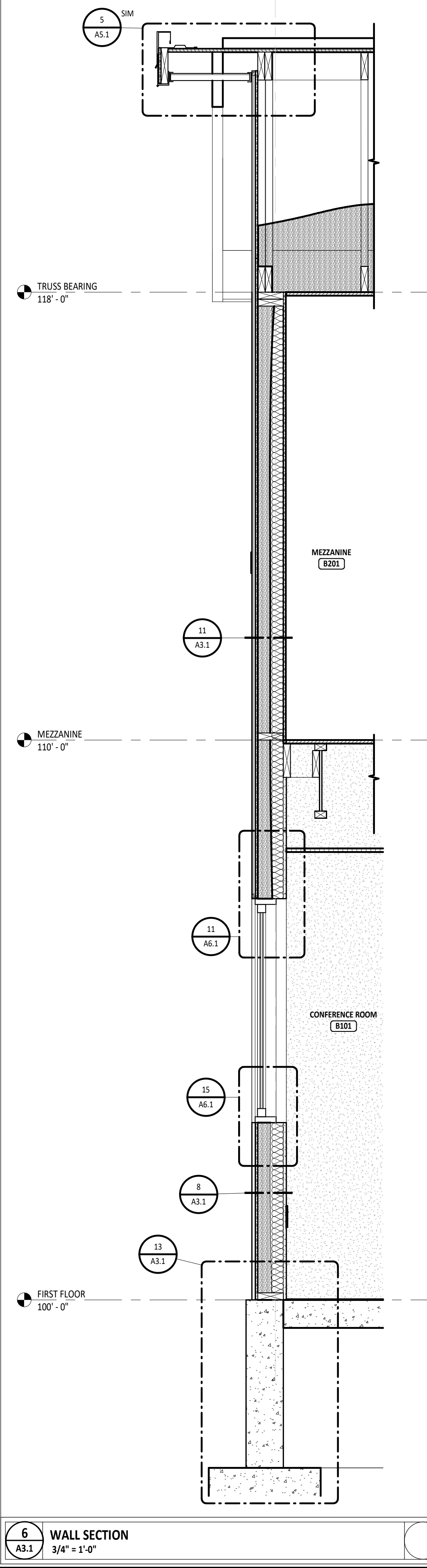
3 BUILDING SECTION
1/8" = 1'-0"



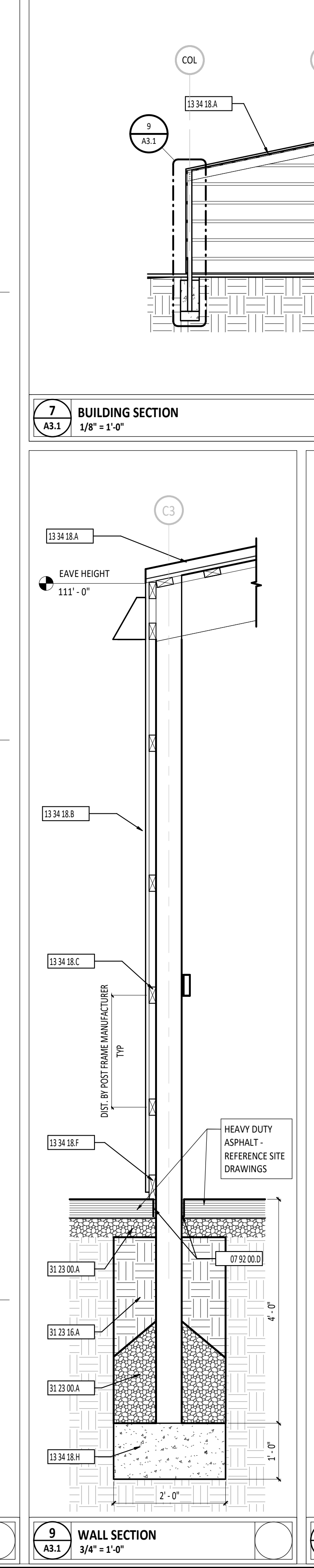
4 WALL SECTION
3/4" = 1'-0"



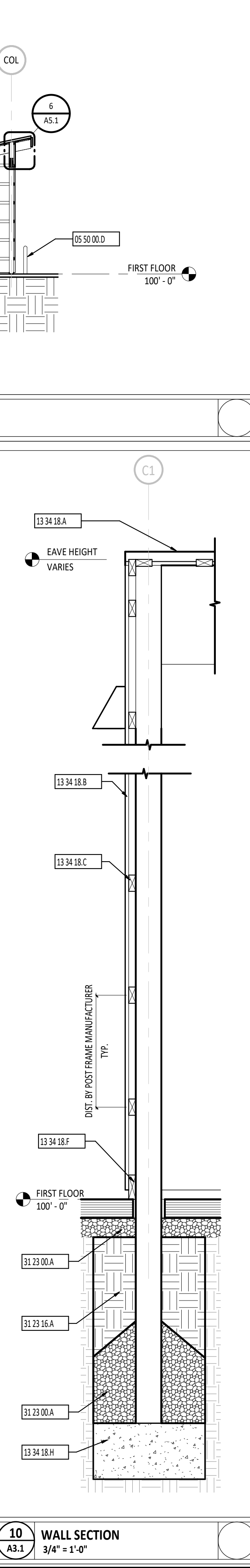
5 WALL SECTION
3/4" = 1'-0"



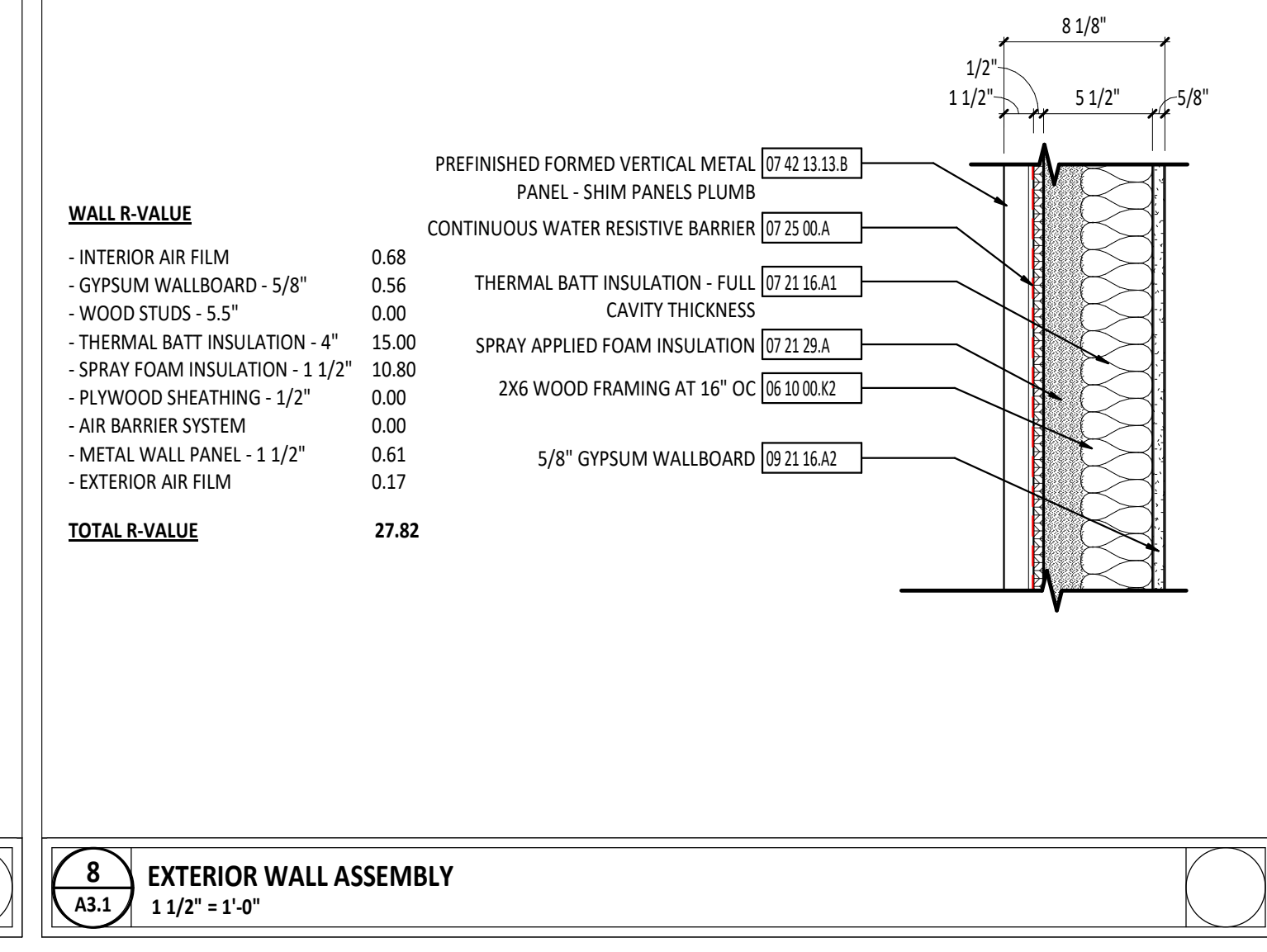
6 WALL SECTION
3/4" = 1'-0"



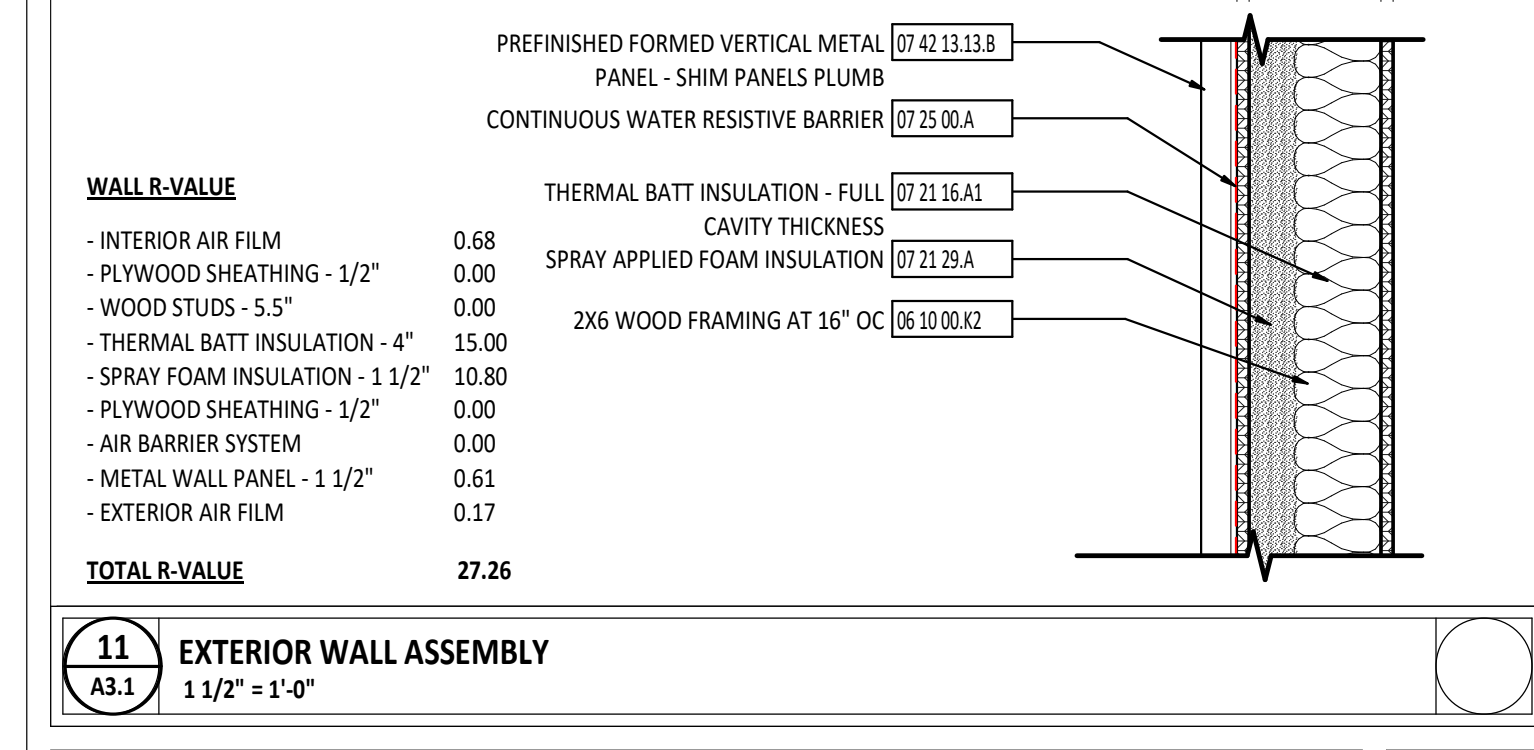
7 WALL SECTION
1/8" = 1'-0"



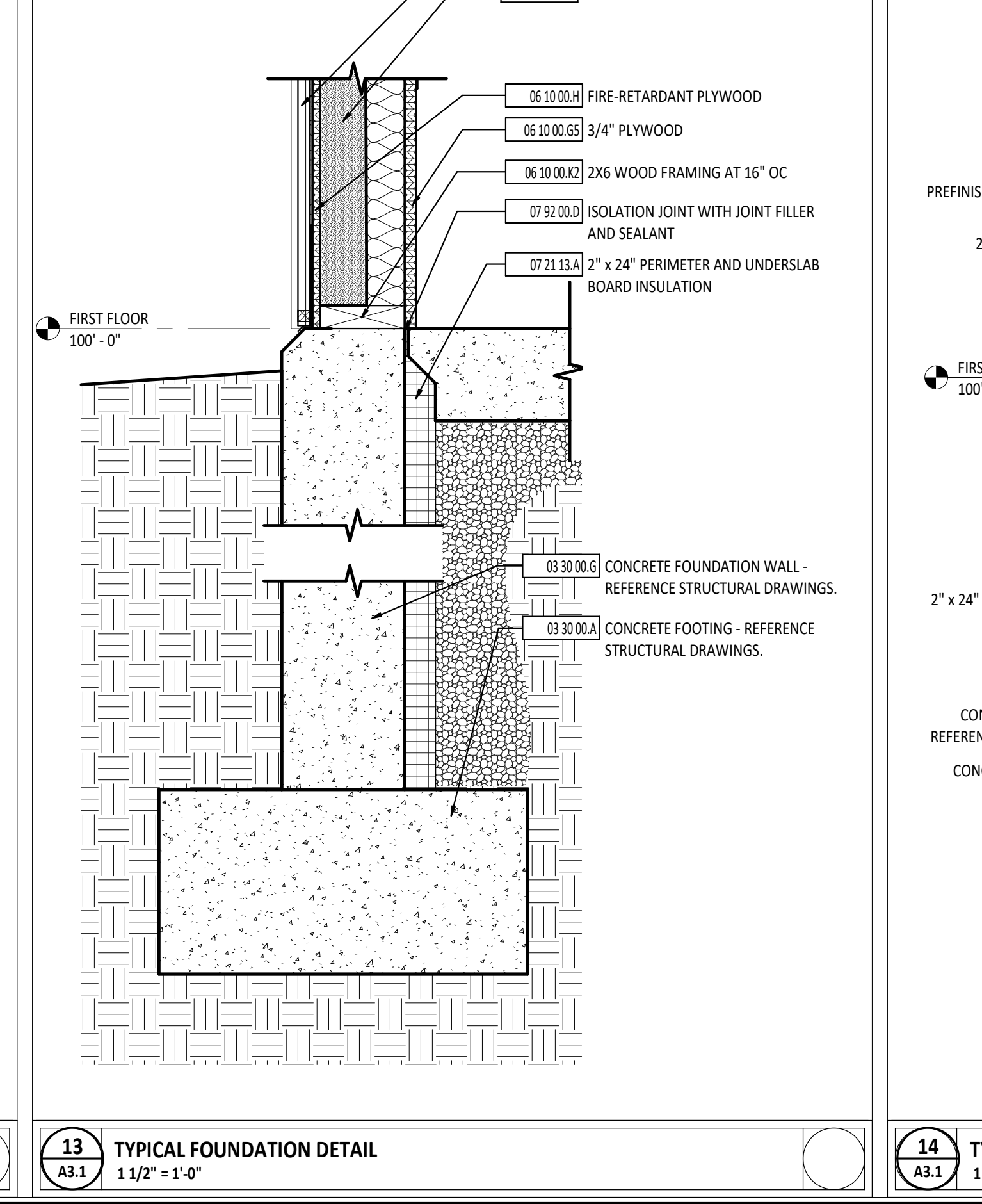
8 WALL SECTION
1/2" = 1'-0"



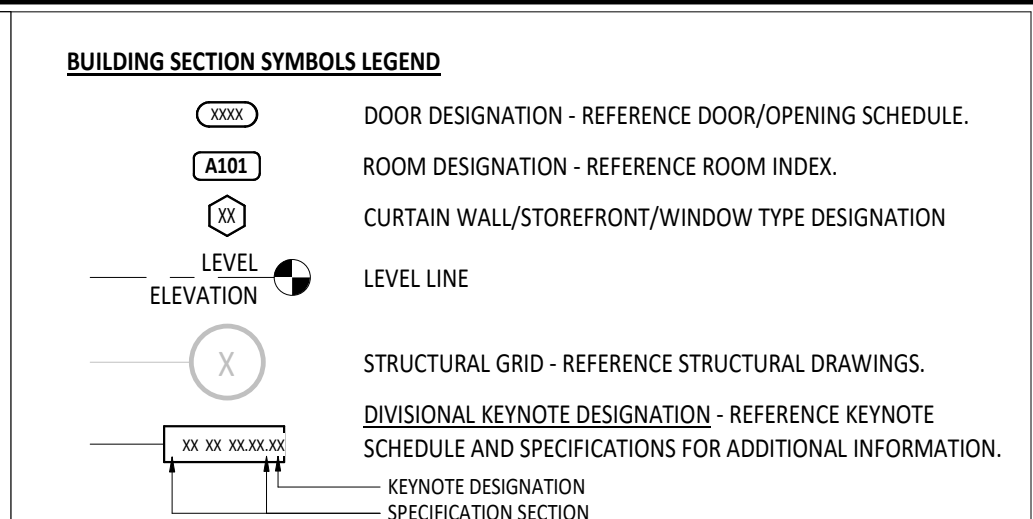
8 EXTERIOR WALL ASSEMBLY
1 1/2" = 1'-0"



11 EXTERIOR WALL ASSEMBLY
1 1/2" = 1'-0"

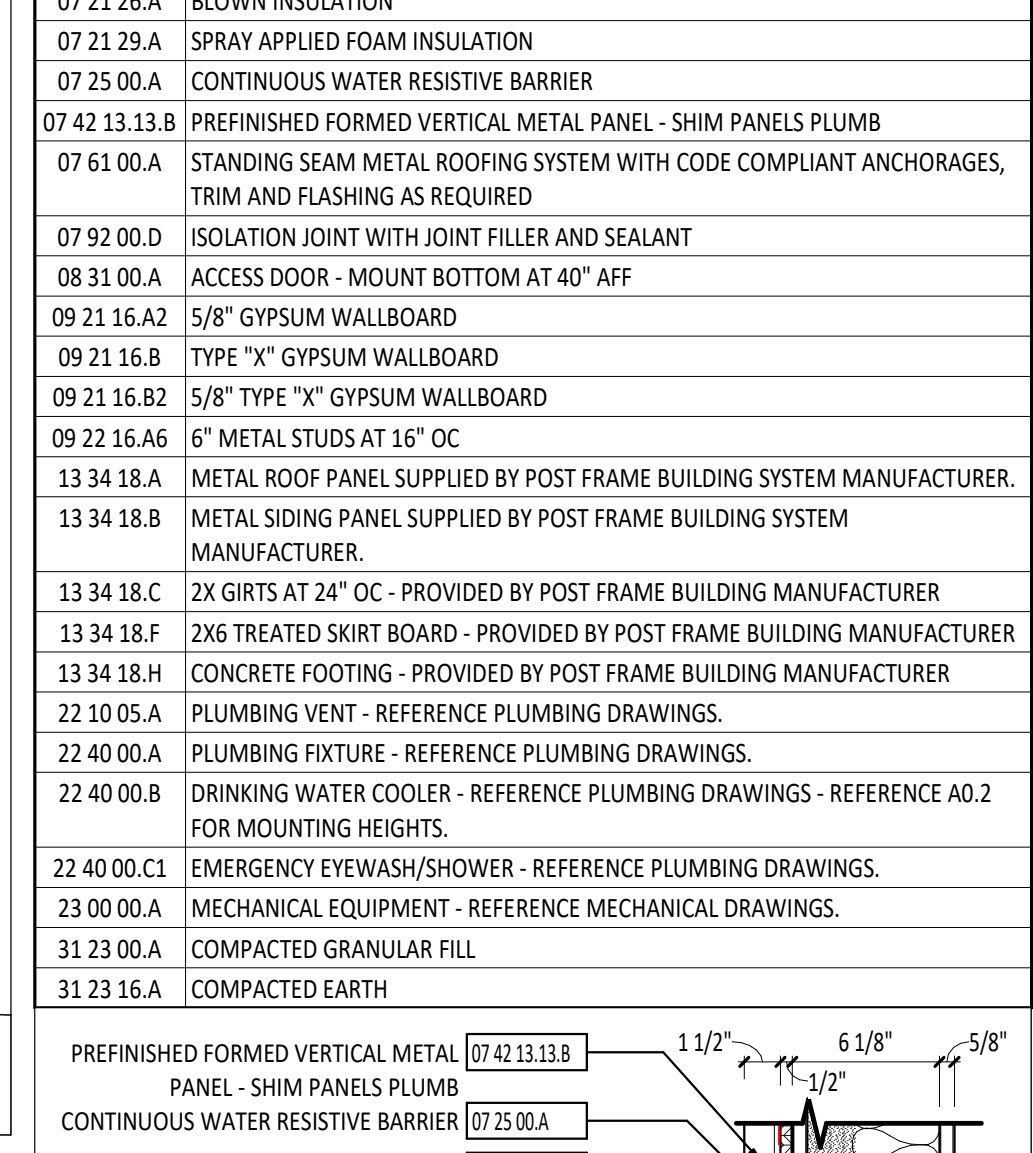


13 TYPICAL FOUNDATION DETAIL
1 1/2" = 1'-0"

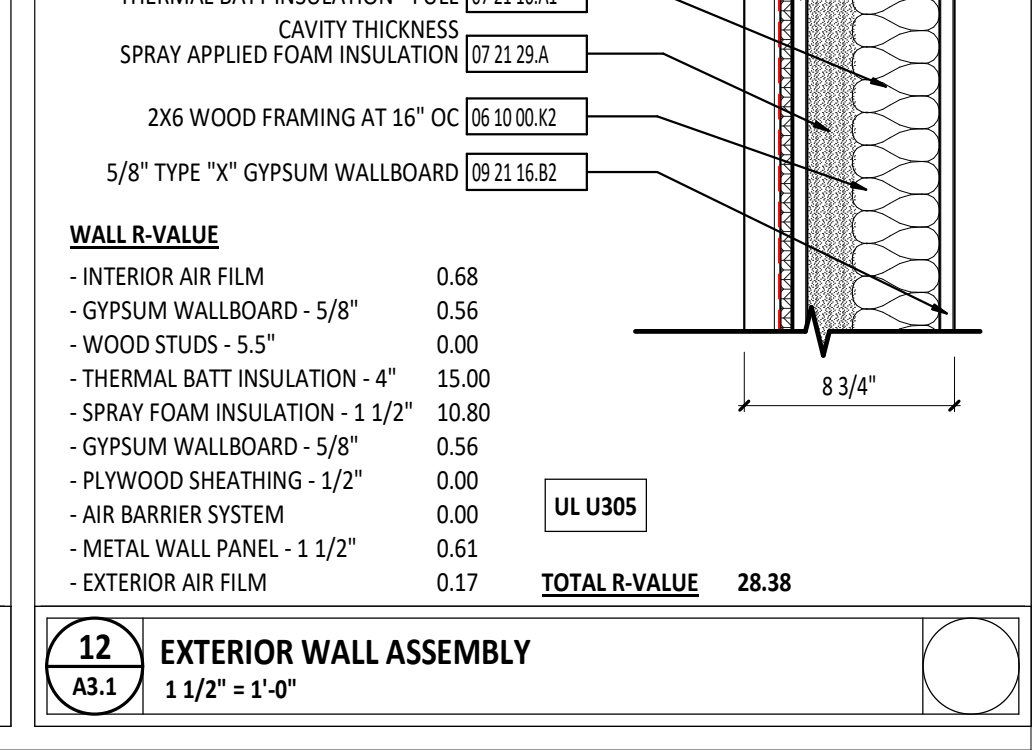


#	KEYNOTE DESCRIPTION
03 30 00.A	CONCRETE FOOTING - REFERENCE STRUCTURAL DRAWINGS.
03 30 00.C	CONCRETE SLAB - REFERENCE STRUCTURAL DRAWINGS.
03 30 00.G	CONCRETE FOUNDATION WALL - REFERENCE STRUCTURAL DRAWINGS.
05 50 00.D	EXTERIOR GALVANIZED BOLLARD - PAINT - REFERENCE ARCHITECTURAL, SITE, AND STRUCTURAL DRAWINGS.
06 10 00.G	PLYWOOD
06 10 00.G3	1/2" PLYWOOD
06 10 00.G5	3/4" PLYWOOD
06 10 00.H	FIRE-RETARDANT PLYWOOD
06 10 00.K2	2X6 WOOD FRAMING AT 16" OC
06 17 53.A	SHOP-FABRICATED WOOD TRUSS - REFERENCE STRUCTURAL DRAWINGS.
06 17 53.B	SHOP-FABRICATED WOOD IBEAM JOIST - REFERENCE STRUCTURAL DRAWINGS.
07 21 13.A	2" x 24" PERIMETER AND UNDERSLAB BOARD INSULATION
07 21 16.A	THERMAL BATT INSULATION
07 21 16.A1	THERMAL BATT INSULATION - FULL CAVITY THICKNESS
07 21 16.B	ACOUSTIC BATT INSULATION - FULL CAVITY THICKNESS
07 21 26.A	BLOWN INSULATION
07 21 29.A	SPRAY APPLIED FOAM INSULATION
07 25 00.A	CONTINUOUS WATER RESISTIVE BARRIER
07 42 13 13.B	PREFINISHED FORMED VERTICAL METAL PANEL - SHIM PANELS PLUMB
07 61 00.A	STANDING SEAM METAL ROOFING SYSTEM WITH CODE COMPLIANT ANCHORAGES, TRIM AND FLASHING AS REQUIRED.
07 92 00.D	ISOLATION JOINT WITH JOINT FILLER AND SEALANT
08 31 00.A	ACCESS DOOR - MOUNT BOTTOM AT 40" AFF
09 21 16.A2	5/8" GYPSUM WALLBOARD
09 21 16.B	TYPE "X" GYPSUM WALLBOARD
09 21 16.B2	5/8" TYPE "X" GYPSUM WALLBOARD
09 22 16.A6	6" METAL STUDS AT 16" OC
13 34 18.A	METAL ROOF PANEL SUPPLIED BY POST FRAME BUILDING MANUFACTURER.
13 34 18.B	METAL SIDING PANEL SUPPLIED BY POST FRAME BUILDING SYSTEM MANUFACTURER.
13 34 18.C	2X GIRTS AT 24" OC - PROVIDED BY POST FRAME BUILDING MANUFACTURER
13 34 18.F	2X6 TREATED SKIRT BOARD - PROVIDED BY POST FRAME BUILDING MANUFACTURER
13 34 18.H	CONCRETE FOOTING - PROVIDED BY POST FRAME BUILDING MANUFACTURER
22 10 05.A	PLUMBING VENT - REFERENCE PLUMBING DRAWINGS.
22 40 00.A	PLUMBING FIXTURE - REFERENCE PLUMBING DRAWINGS.
22 40 00.B	DRINKING WATER COOLER - REFERENCE PLUMBING DRAWINGS - REFERENCE A0.2 FOR MOUNTING HEIGHTS.
22 40 00.C1	EMERGENCY EYEWASH/SHOWER - REFERENCE PLUMBING DRAWINGS.
23 00 00.A	MECHANICAL EQUIPMENT - REFERENCE MECHANICAL DRAWINGS.
31 23 00.A	COMPACTED GRANULAR FILL
31 23 16.A	COMPACTED EARTH

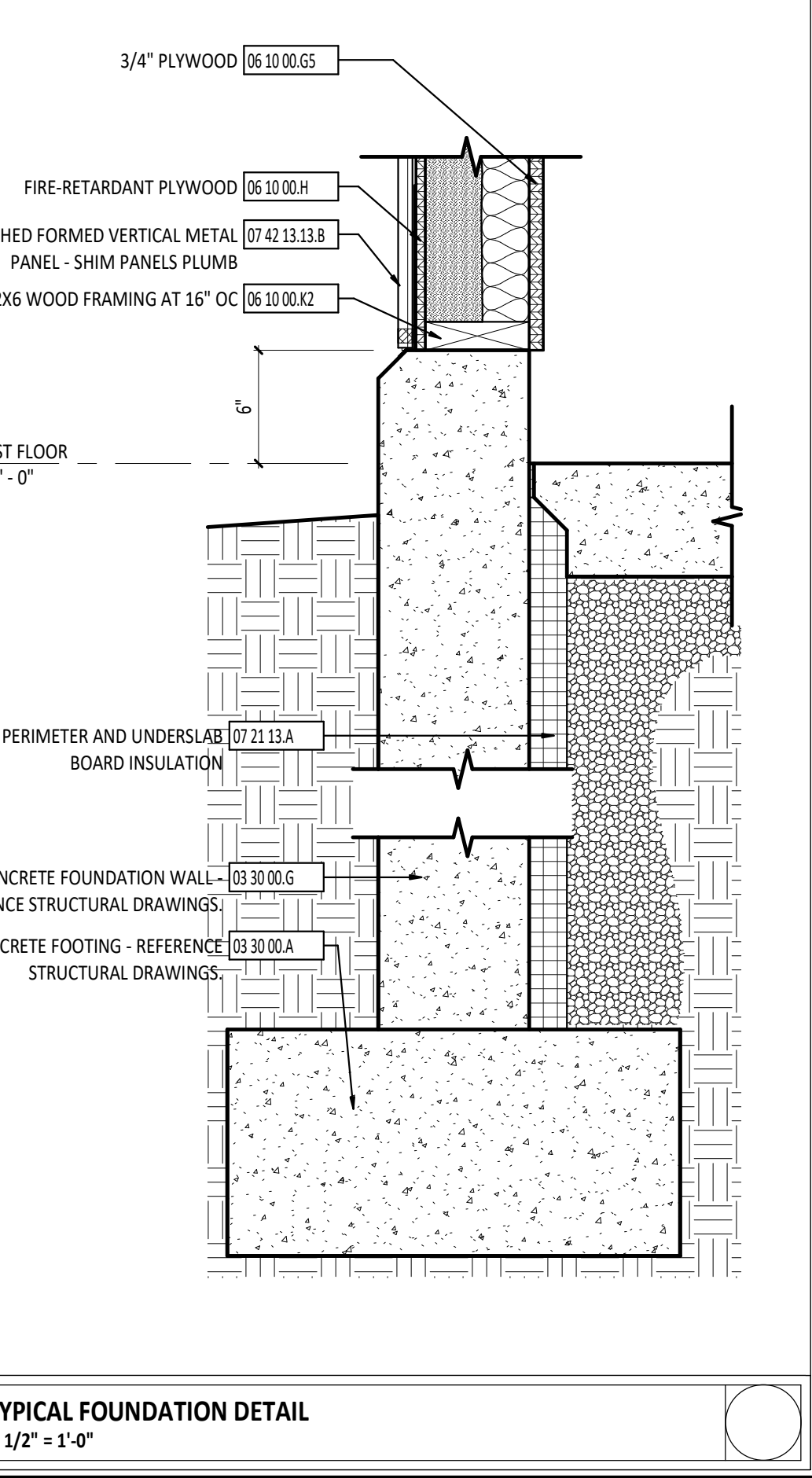
#	KEYNOTE DESCRIPTION
03 30 00.A	CONCRETE FOOTING - REFERENCE STRUCTURAL DRAWINGS.
03 30 00.C	CONCRETE SLAB - REFERENCE STRUCTURAL DRAWINGS.
03 30 00.G	CONCRETE FOUNDATION WALL - REFERENCE STRUCTURAL DRAWINGS.
05 50 00.D	EXTERIOR GALVANIZED BOLLARD - PAINT - REFERENCE ARCHITECTURAL, SITE, AND STRUCTURAL DRAWINGS.
06 10 00.G	PLYWOOD
06 10 00.G3	1/2" PLYWOOD
06 10 00.G5	3/4" PLYWOOD
06 10 00.H	FIRE-RETARDANT PLYWOOD
06 10 00.K2	2X6 WOOD FRAMING AT 16" OC
06 17 53.A	SHOP-FABRICATED WOOD TRUSS - REFERENCE STRUCTURAL DRAWINGS.
06 17 53.B	SHOP-FABRICATED WOOD IBEAM JOIST - REFERENCE STRUCTURAL DRAWINGS.
07 21 13.A	2" x 24" PERIMETER AND UNDERSLAB BOARD INSULATION
07 21 16.A	THERMAL BATT INSULATION
07 21 16.A1	THERMAL BATT INSULATION - FULL CAVITY THICKNESS
07 21 16.B	ACOUSTIC BATT INSULATION - FULL CAVITY THICKNESS
07 21 26.A	BLOWN INSULATION
07 21 29.A	SPRAY APPLIED FOAM INSULATION
07 25 00.A	CONTINUOUS WATER RESISTIVE BARRIER
07 42 13 13.B	PREFINISHED FORMED VERTICAL METAL PANEL - SHIM PANELS PLUMB
07 61 00.A	STANDING SEAM METAL ROOFING SYSTEM WITH CODE COMPLIANT ANCHORAGES, TRIM AND FLASHING AS REQUIRED.
07 92 00.D	ISOLATION JOINT WITH JOINT FILLER AND SEALANT
08 31 00.A	ACCESS DOOR - MOUNT BOTTOM AT 40" AFF
09 21 16.A2	5/8" GYPSUM WALLBOARD
09 21 16.B	TYPE "X" GYPSUM WALLBOARD
09 21 16.B2	5/8" TYPE "X" GYPSUM WALLBOARD
09 22 16.A6	6" METAL STUDS AT 16" OC
13 34 18.A	METAL ROOF PANEL SUPPLIED BY POST FRAME BUILDING MANUFACTURER.
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22 40 00.C1	EMERGENCY EYEWASH/SHOWER - REFERENCE PLUMBING DRAWINGS.
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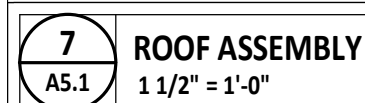
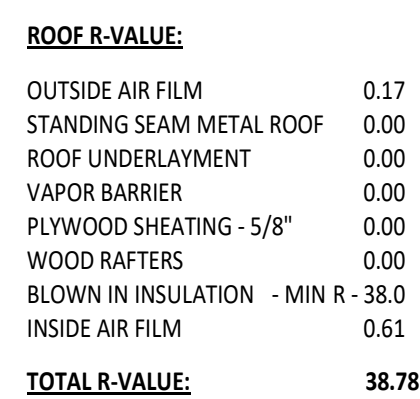
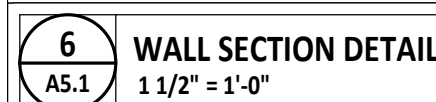
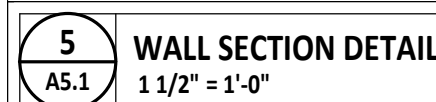
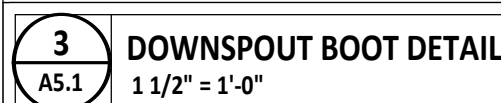
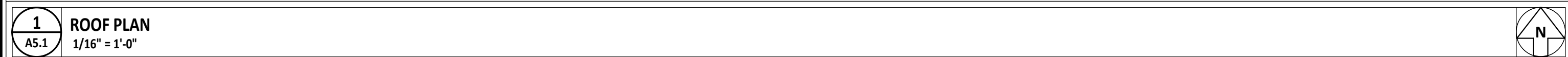
12 EXTERIOR WALL ASSEMBLY
1 1/2" = 1'-0"



13 EXTERIOR WALL ASSEMBLY
1 1/2" = 1'-0"



14 TYPICAL FOUNDATION DETAIL
1 1/2" = 1'-0"



KEY PLAN

DOOR/OPENING SCHEDULE																
NUMBER	DOOR					FRAME										
	SIZE	THK	MATL	TYPE	GLASS	DEPTH	MATL	TYPE	GLASS	DETAIL NUMBER			HARDWARE SET	ROOM KEY SIDE	FUNCTION LABEL (MIN)	NOTES
										HEAD	JAMB	SILL				
B100a	3'-0" x 7'-0"	1 3/4"	HM	HG	EG1	7 1/4"	HM	1	-	9/A6.1	13/A6.1	4/A6.1	001	-	Exterior	- 1, 2
B100b	12'-0" x 12'-0"	2"	STL	OHD	EG1	0"				8/A6.1	7/A6.1	12/A6.1	005	-	Exterior	
B100c	12'-0" x 12'-0"	2"	STL	OHD	EG1	0"				8/A6.1	7/A6.1	12/A6.1	005	-	Exterior	
B100d	3'-0" x 7'-0"	1 3/4"	HM	HG	EG1	7 1/4"	HM	1	-	9/A6.1	13/A6.1	4/A6.1	001	-	Exterior	- 1, 2
B100e	3'-0" x 7'-0"	1 3/4"	HM	HG	EG1	7 1/4"	HM	1	-	9/A6.1	13/A6.1	4/A6.1	001	-	Exterior	- 1, 2
B101	3'-0" x 7'-0"	1 3/4"	HM	NL	G1	7 3/4"	HM	1	-	5/A6.1	6/A6.1		003	B100	Interior	- 1
B102	3'-0" x 7'-0"	1 3/4"	HM	F	-	7 3/4"	HM	1	-	5/A6.1	6/A6.1		004	B100	Interior	- 1
B103	3'-0" x 7'-0"	1 3/4"	HM	F	-	7 3/4"	HM	1	-	5/A6.1	6/A6.1		004	B100	Interior	- 1
B104	3'-0" x 7'-0"	1 3/4"	HM	NL	G1	7 3/4"	HM	1	-	5/A6.1	6/A6.1		003	B100	Interior	- 1
B105	(2) 2'-6" x 7'-0"	1 3/4"	HM	F	-	7 3/4"	HM	2	-	9/A6.1	6/A6.1	4/A6.1	002	-	Exterior	- 1
B202	(2) 2'-6" x 7'-0"	1 3/4"	HM	F	-	5 3/4"	HM	2	-	5/A6.1	6/A6.1		002	B201	Interior	- 1
B203	3'-0" x 7'-0"	1 3/4"	HM	HG	EG1	7 1/4"	HM	1	-	9/A6.1	13/A6.1	4/A6.1	001	-	Exterior	- 1, 2

DOOR/OPENING SCHEDULE NOTES

- DOOR AND FRAME/LOCK BY SECTION 08 71 00.
- REFERENCE ELECTRONIC SCHEMATIC WIRING DIAGRAM DETAIL ON ELECTRICAL DRAWINGS.

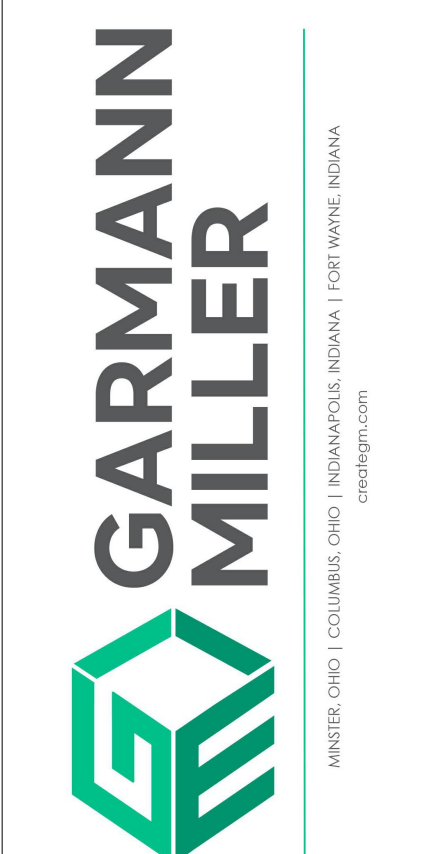
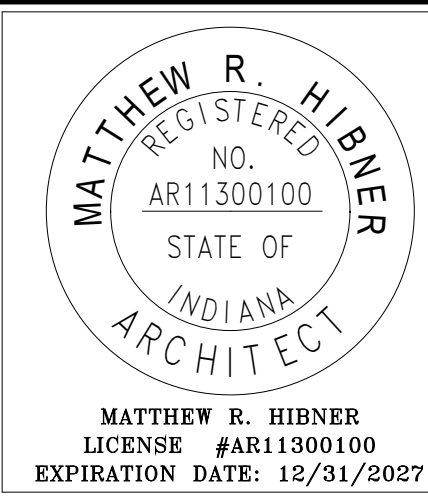
DOOR/OPENING SCHEDULE ABBREVIATIONS

SYMBOL DESCRIPTION

AL ALUMINUM
CD COILING DOOR
DG DIFFUSING GLASS
F FLUSH
FG FULL GLASS
FRG FIRE RATED GLASS
HG HALF GLASS
HM HOLLOW METAL
IG INSULATED GLASS
LG LAMINATED GLASS
N NARROW LITE
SG SAFETY GLASS
TG TEMPERED GLASS
W WOOD

DOOR GENERAL NOTES

- B REFERENCE SPECIFICATION SECTION 08 71 00 FOR HARDWARE SETS.
C USE TYPE "X" GYPSUM WALLBOARD WHERE FIRE-RATED WALL ASSEMBLIES ARE CALLED OUT ON THE PLANS.



SHENANDOAH SCHOOL CORPORATION NEW
TRANSPORTATION CENTER

NEW BUILDING OR

5109 NORTHDAIR RD. MIDDELTOWN, INDIANA 47056

ISSUANCES/REVISIONS

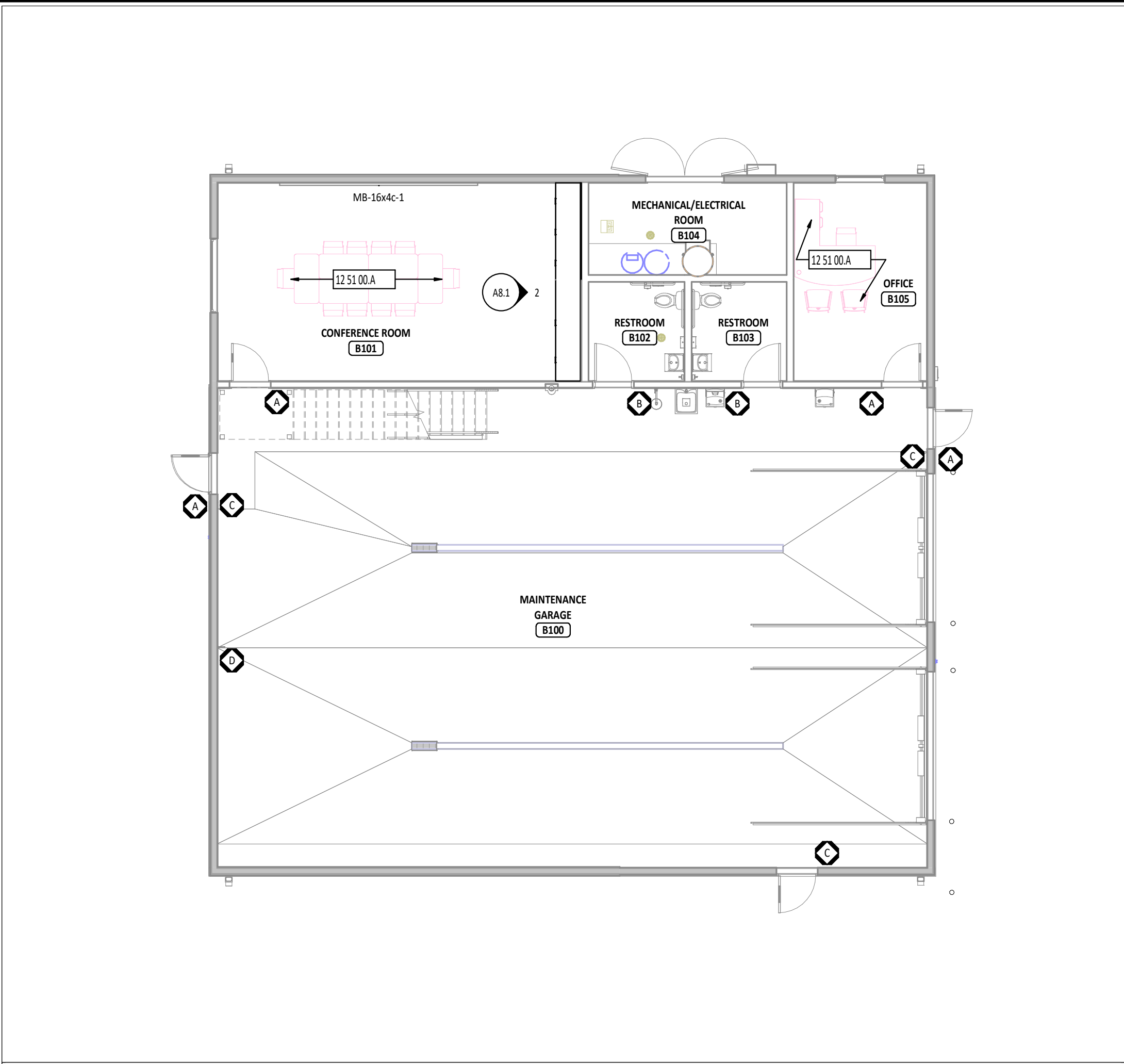
CONSTRUCTION DOCUMENTS 09/02/2025

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CHECKED BY: Checker

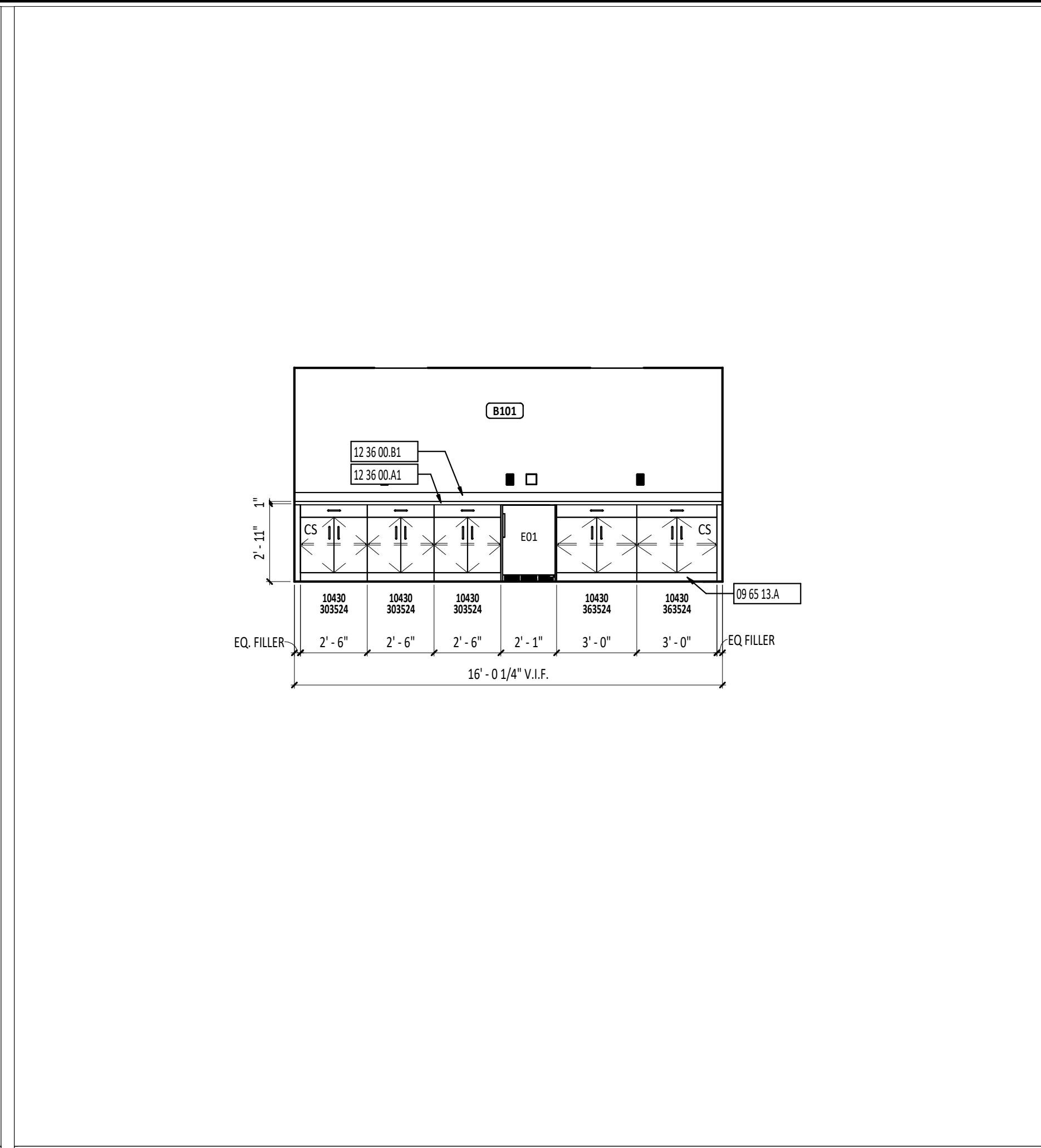
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DOOR SCHEDULE
AND DETAILS

SHEET NUMBER:

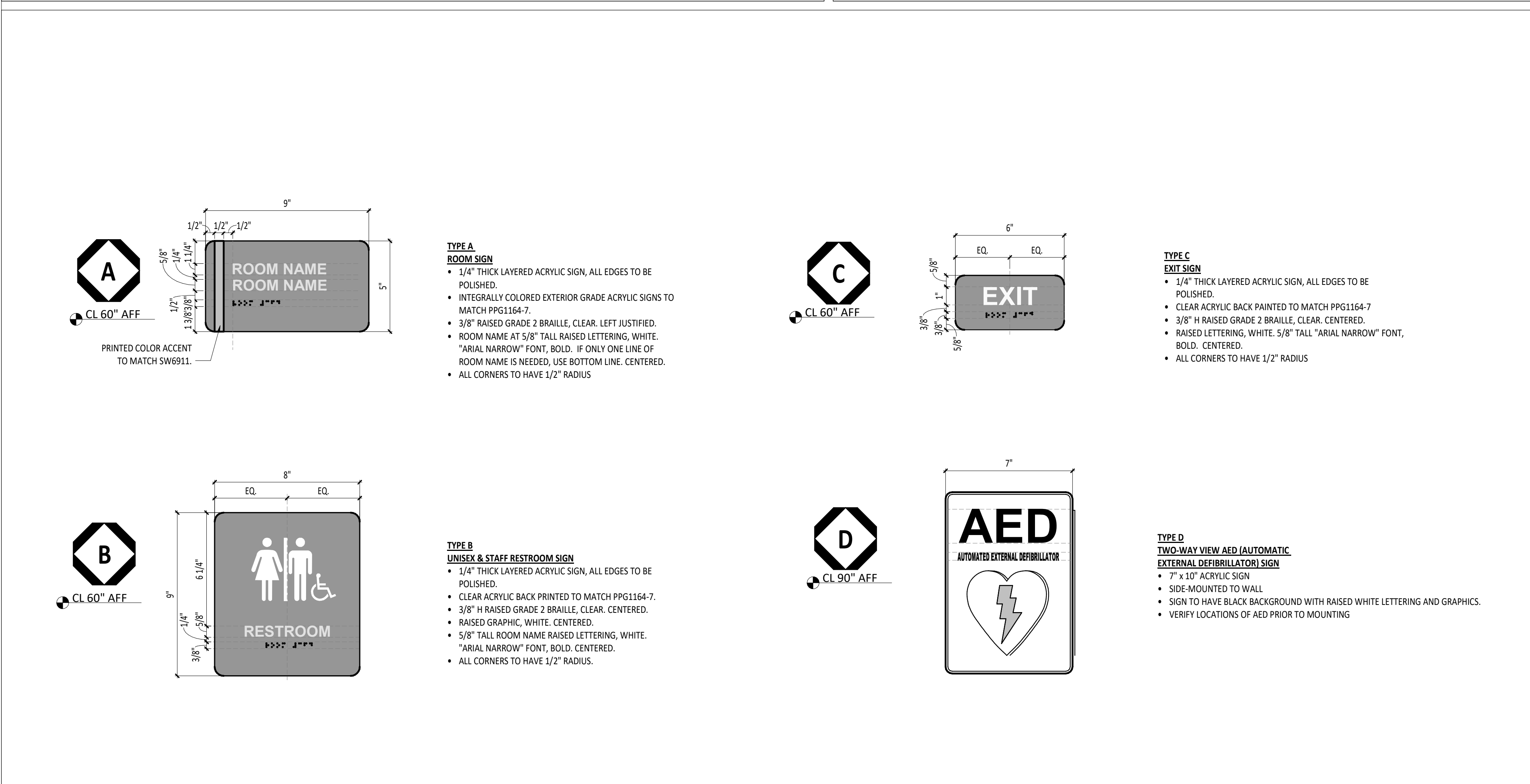
A6.1



1 FIRST FLOOR EQUIPMENT PLAN - UNIT B
1/8" = 1'-0"



2 CASEWORK ELEVATION - B101 - EAST
1/4" = 1'-0"



3 SIGNAGE DETAILS
3" = 1'-0"

EQUIPMENT SCHEDULE							
MARK	NEW	EXISTING	DESCRIPTION	MANUFACTURER		MODEL	NOTES
E01	NEW		REFRIGERATOR - UNDERCOUNTER RH SWING	GE		GCE06GSHSB	1

NOTES:
1. TO BE PROVIDED AND INSTALLED BY CONTRACTOR

MARKERBOARD SCHEDULE							
MARK	LENGTH	HEIGHT	TOP AFF	BOTTOM AFF	DESCRIPTION	FRAME	NOTES
MB-16w4c-1	16'-0"	4'-0"	7'-0"	3'-0"	MARKERBOARD	•	

SIGNAGE SCHEDULE - FIRST FLOOR PLAN				
CONSTRUCTION DOCUMENTS ROOM NUMBER SERVED	CONSTRUCTION DOCUMENTS ROOM NAME	CONSTRUCTION DOCUMENTS SIGNAGE TYPE	ACTUAL SIGNAGE NAME	NOTES
B100	MAINTENANCE GARAGE	A	TRANSPORTATION	
B100	MAINTENANCE GARAGE	A	TRANSPORTATION	
B100	MAINTENANCE GARAGE	C		
B100	MAINTENANCE GARAGE	C		
B100	MAINTENANCE GARAGE	C		
B100	MAINTENANCE GARAGE	C		
B100	MAINTENANCE GARAGE	D		
B101	CONFERENCE ROOM	A	CONFERENCE ROOM	
B102	RESTROOM	B		
B103	RESTROOM	B		
B105	OFFICE	A	OFFICE	

FIRST FLOOR PLAN ROOM INDEX - OVERALL		
ROOM NUMBER	ROOM NAME	AREA
A101	BUS CANOPY	1,479 SF
B100	MAINTENANCE GARAGE	2,220 SF
B101	CONFERENCE ROOM	471 SF
B102	RESTROOM	62 SF
B103	RESTROOM	62 SF
B104	MECHANICAL/ELECTRICAL ROOM	219 SF
B105	OFFICE	373 SF
C101	BUS CANOPY	1,419 SF
D101	MINI BUS CANOPY	1,329 SF
E101	BUS CANOPY	3,849 SF

EQUIPMENT GENERAL NOTES

A KEY CASEWORK LOCKS ALIKE PER ROOM. PROVIDE MASTER KEY FOR ALL LOCKS.

B FOR ALL SIGNS LABELED "AIA" REFERENCE SHEET A0.2.

C RESIDENT BASE ALONGS ALL CABINET BASE FRONTS IS TO BE PROVIDED BY SPECIFICATION SECTION 09 65 13.

D ALL OPENINGS IN CASEWORK AND COUNTERTOPS TO BE CUT BY CASEWORK CONTRACTOR ONLY.

F REFERENCE FINISH MATERIAL SCHEDULE FOR LAMINATE COLOR SELECTIONS.

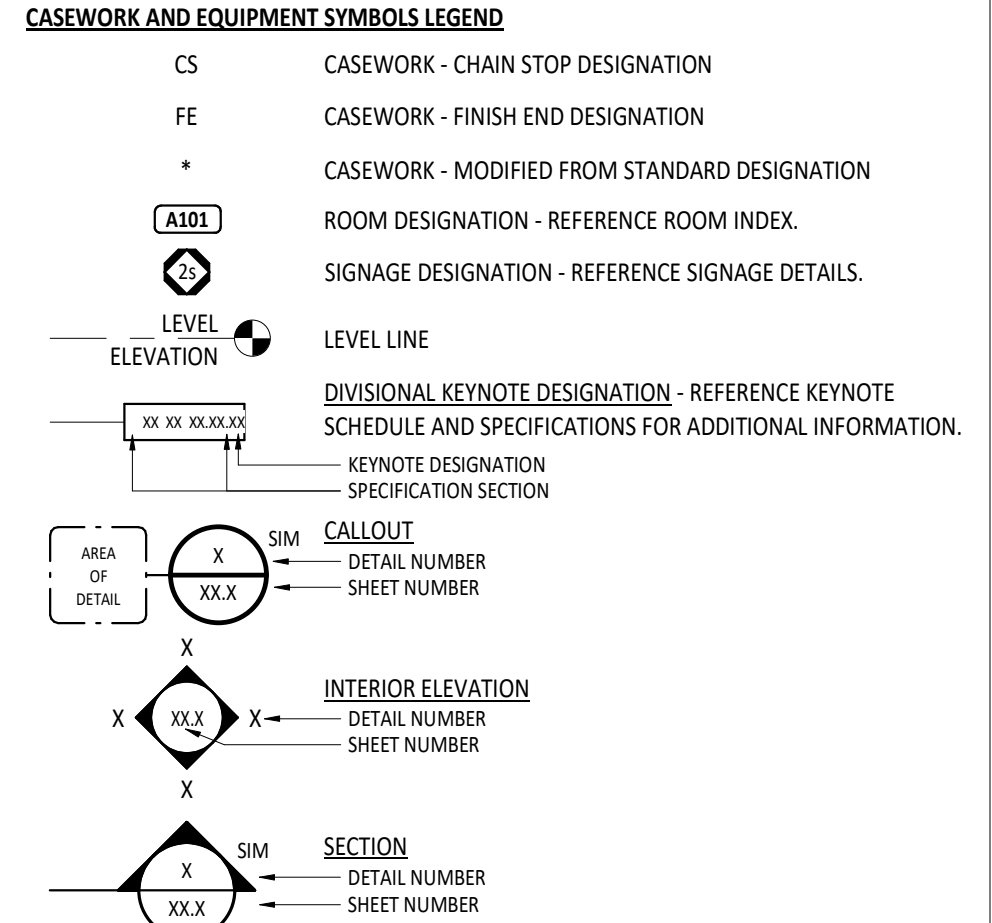
J PROVIDE BLANK BACKER ON OPPOSITE SIDE OF GLASS WHERE SIGNAGE IS MOUNTED TO GLASS - BACKER COLOR TO MATCH SIGNAGE.

K ALL HORIZONTAL LAMINATE WORKSURFACES TO HAVE 3MM PVC EDGE BANDING MATCHING THE ADJACENT WORKSURFACE LAMINATE.

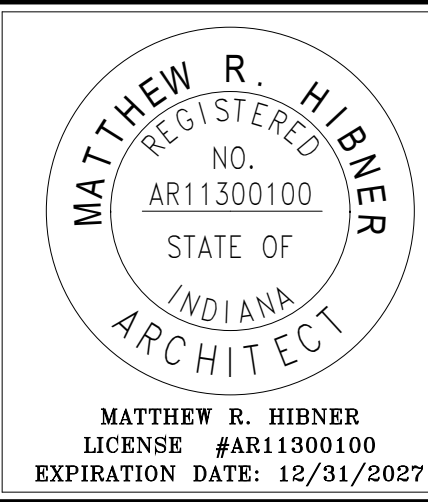
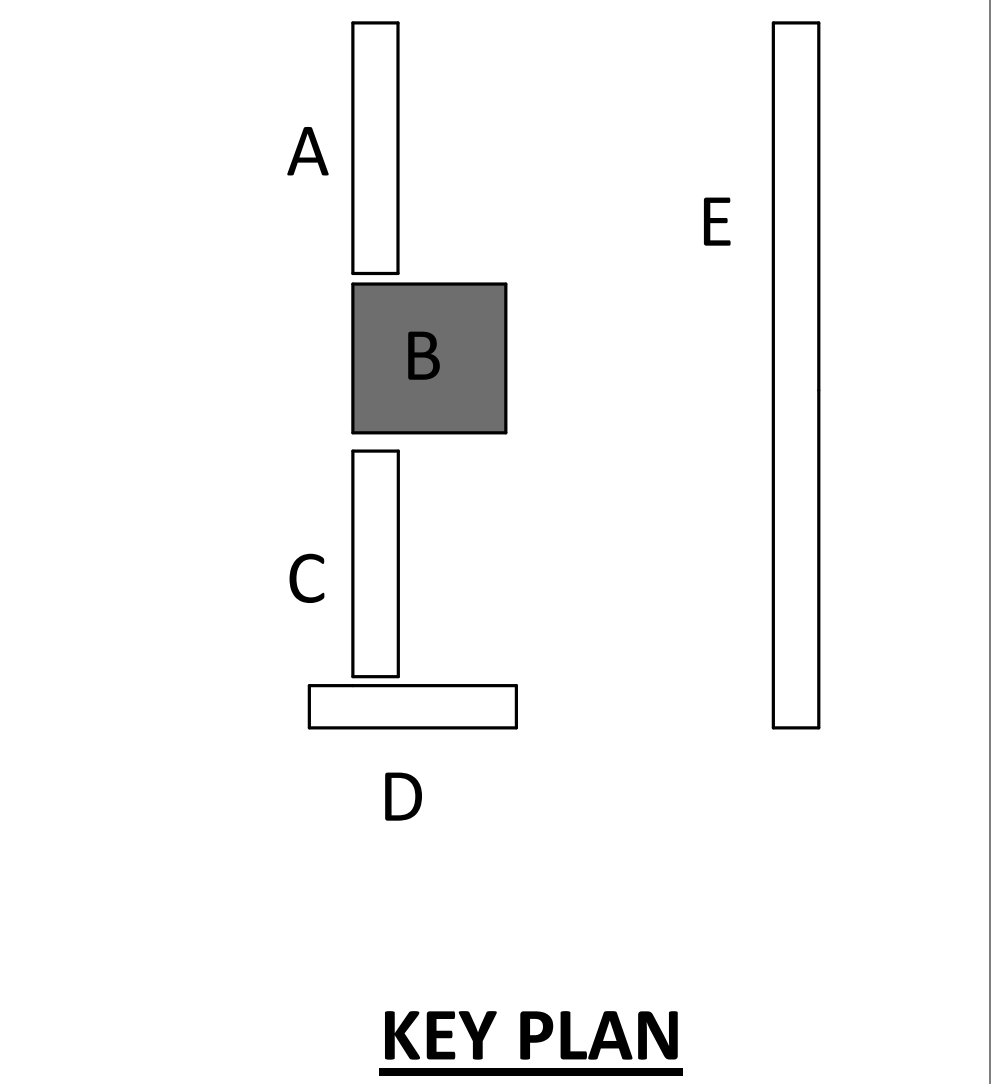
L ALL WOOD GRAIN PLASTIC LAMINATES ARE TO BE INSTALLED WITH GRAIN RUNNING VERTICALLY UNLESS OTHERWISE NOTED.

M ALL EXPOSED CABINET ENDS TO RECEIVE FINISH END UNLESS OTHERWISE NOTED.

O ALL LOOSE FURNISHINGS TO BE OWNER PROVIDED, OWNER INSTALLED.



#	KEYNOTE DESCRIPTION
09 65 13.A	BASE AS SCHEDULED - REFERENCE FINISH MATERIAL SCHEDULE.
12 36 00.A1	PLASTIC LAMINATE COUNTERTOP
12 36 00.B1	4" HIGH BACKSPLASH - SAME MATERIAL AS COUNTERTOP AND HEIGHT AS LABELED UNLESS NOTED OTHERWISE
12 51 00.A	FURNITURE TO BE PROVIDED BY OWNER, SHOWN IN PINK ON PLANS.



SHENANDOAH SCHOOL CORPORATION NEW TRANSPORTATION CENTER

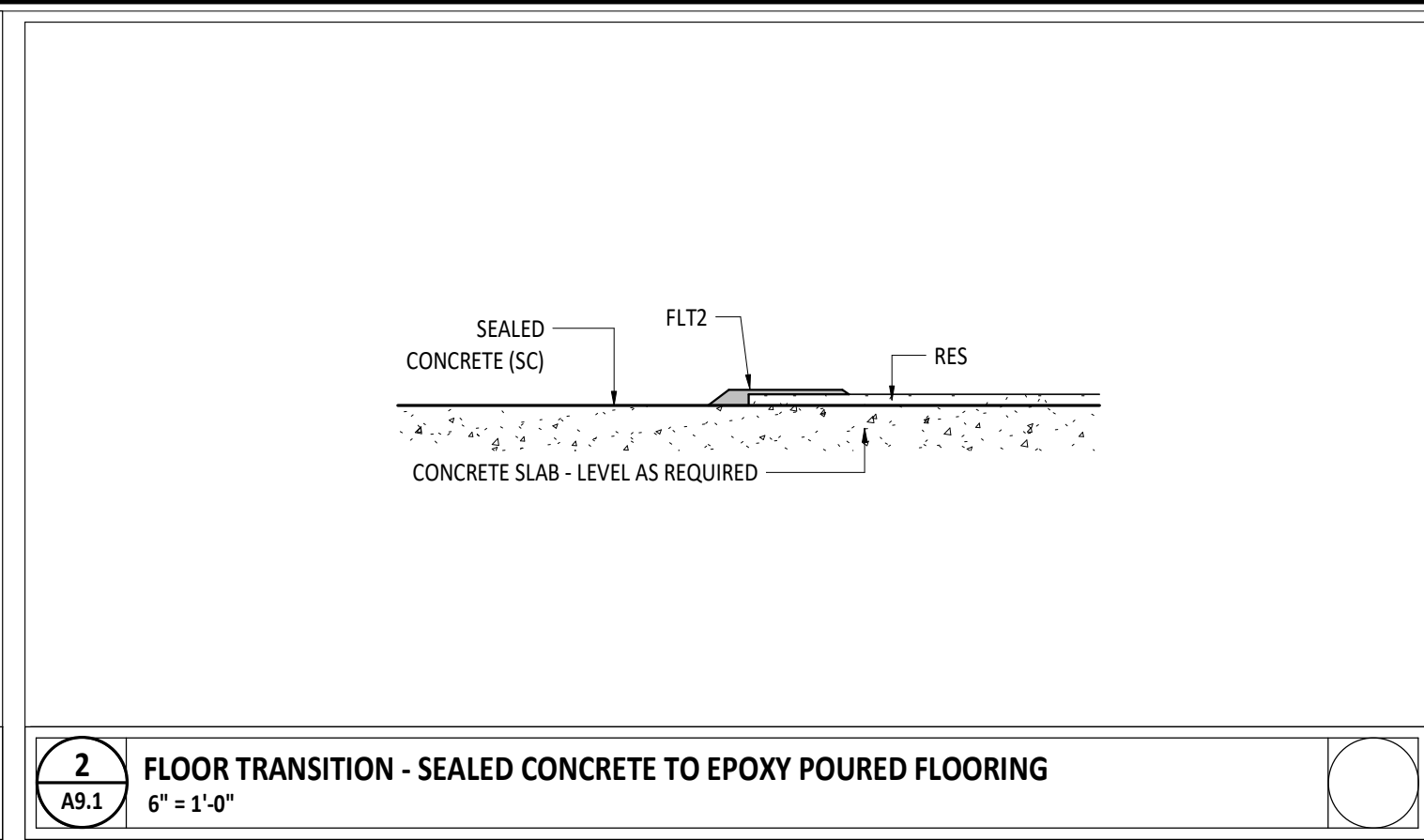
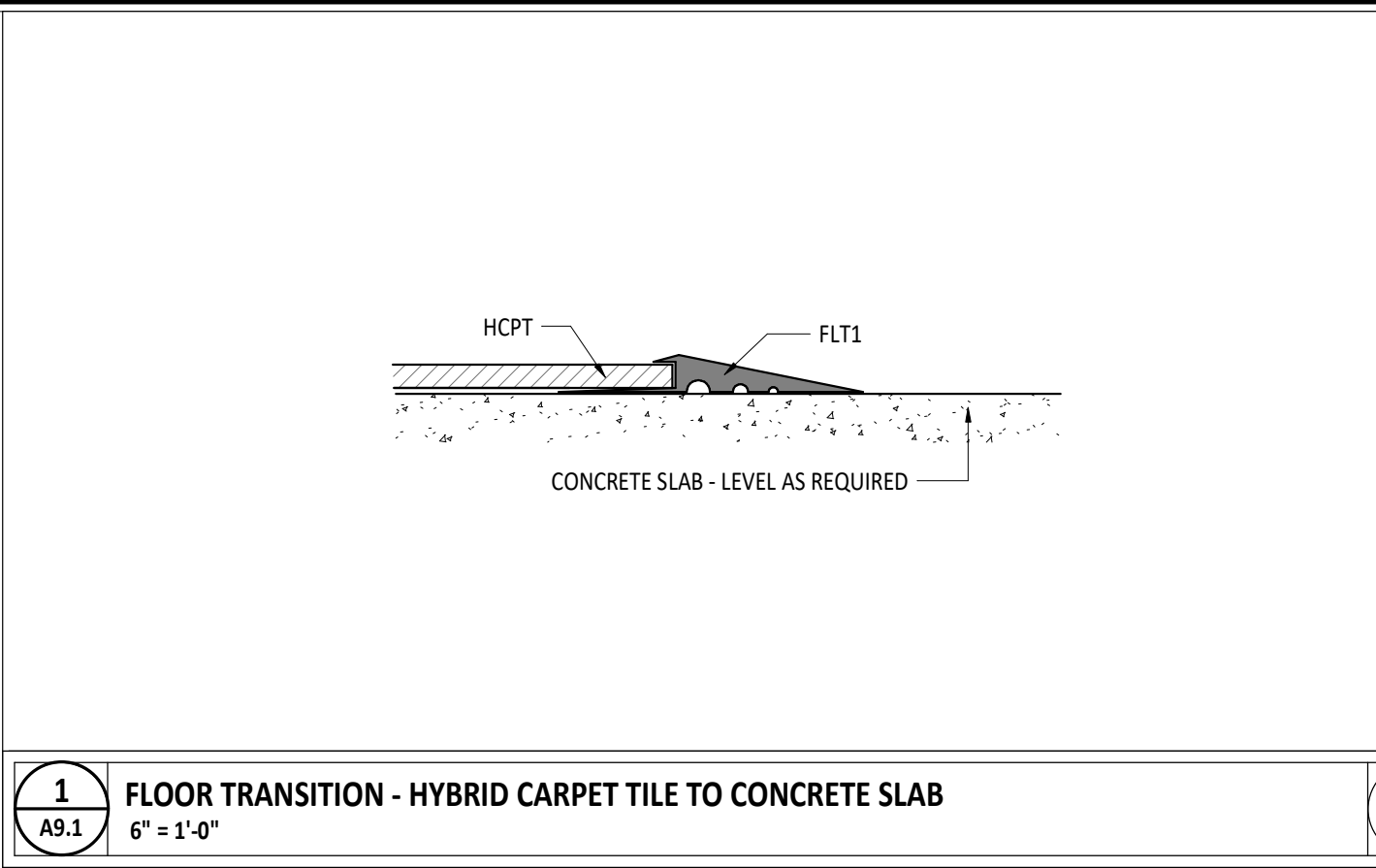
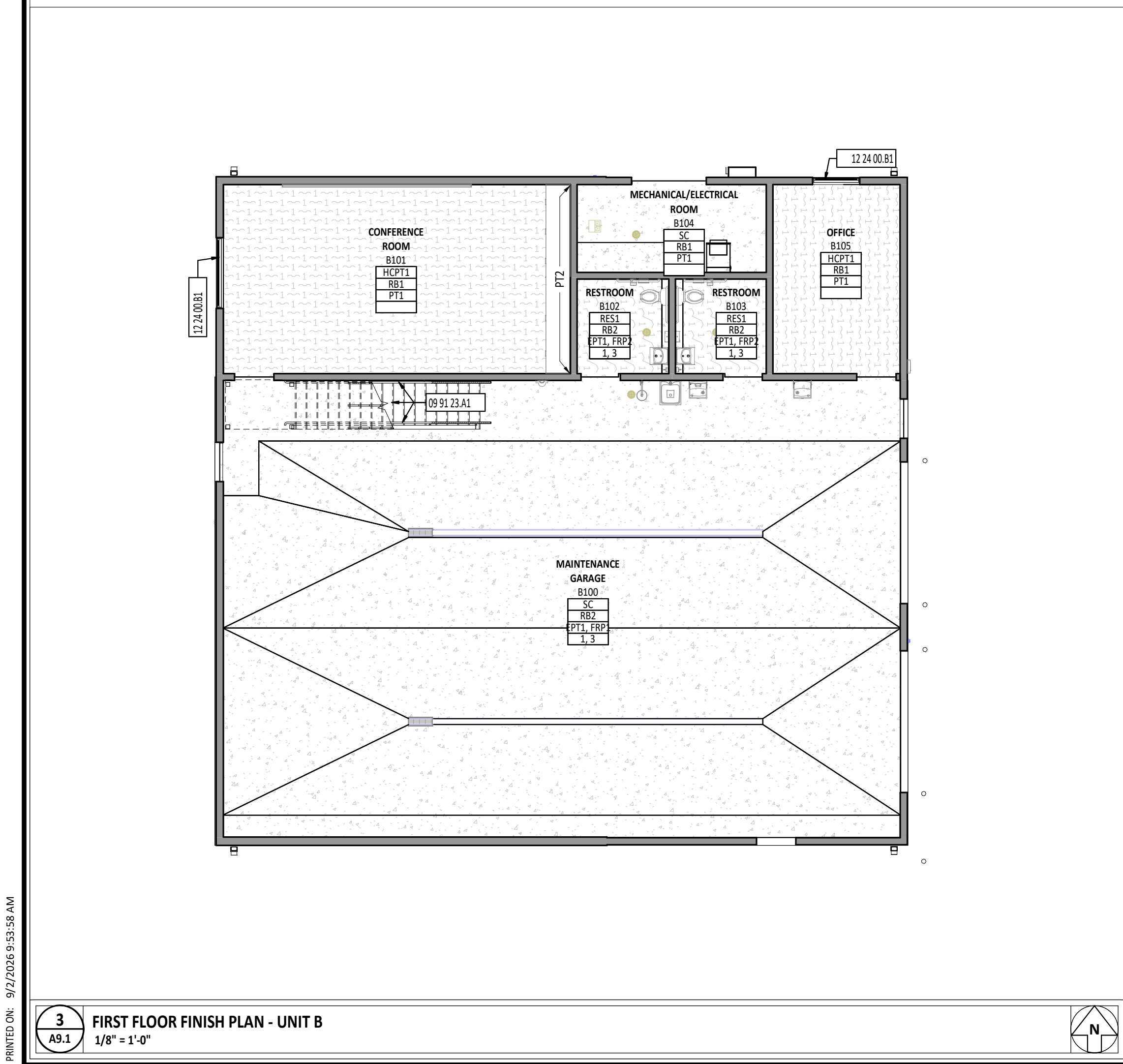
ISSUANCES/REVISIONS	
CONSTRUCTION DOCUMENTS	09/02/2025

PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
25031.00	CEO	HEF

SHEET TITLE:
FIRST FLOOR EQUIPMENT PLAN

SHEET NUMBER:
A8.1

FINISH MATERIAL SCHEDULE						
NAME	MANUFACTURER	STYLE	NUMBER	COLOR	SIZE	COMMENTS
03 35 00 CONCRETE FINISHING - SEALED CONCRETE						
SC	REFER TO SPECIFICATIONS	--	--	--	--	
09 51 00 ACOUSTICAL CEILINGS - SUSPENSION SYSTEM						
TYPE A	ARMSTRONG	PRELUDE XL		WHITE	15/16" WIDE FACE	DOUBLE WEB CONSTRUCTION, CLASS 1 ZINC COATING, 8 GAUGE STEEL
09 51 00 ACOUSTICAL CEILINGS - TILE						
TYPE A	ARMSTRONG	FINE FISSURED	1728	WHITE	2' X 2', 5/8" THICK	CEILING TILES TO MATCH SCHOOL'S STANDARD TILES. SQUARE EDGE PROFILE. MINIMUM .055 NRC. MINIMUM 33 CAC. MINIMUM LIGHT REFLECTANCE 82%. SAG RESISTANT. MOLD AND MILDEW RESISTANT. USE WITH SUSPENSION SYSTEM TYPE A. CORRESPONDS WITH CEILING "TYPE A" ON REFLECTED CEILING PLANS.
09 65 13 RESILIENT BASE AND ACCESSORIES - RUBBER BASE						
R81	TARKETT/JOHNSONITE	BASEWORKS (TYPE TS)	VN5	THE BLUES	4" H COVE TOE	
R82	TARKETT/JOHNSONITE	BASEWORKS (TYPE TS)	VN5	THE BLUES	6" H COVE TOE	
09 67 23 RESINOUS FLOORING						
RES1	SHERWIN WILLIAMS	RESUFLOOR DECO FLAKE II		1/4" RHINO		RESUTILE AT TOP COAT, SATIN FINISH
09 67 23 RESINOUS FLOORING - FLOOR TRANSITIONS						
FLT2	POWERHOLD	3/4" BINDER BAR-OVERLAPPING		HAMMERED MILL FINISH		DRILLED AND COUNTERSUNK, 6" CENTERS FOR #3 FASTENER
09 68 13 TILE CARPETING - FLOOR TRANSITIONS						
FLT1	POWERHOLD	5MM CARPET TILE REDUCER		ETCHED ALUMINUM		
09 68 13 TILE CARPETING - HYBRID CARPET TILE						
HCP11	J+J FLOORING	KINETEK, PUT A CORK IN IT	2182	STEIN	24" X 24"	ASHLAR INSTALLATION PATTERN
09 91 23 PAINTING - EPOXY PAINT						
EPT1	SHERWIN WILLIAMS	REFER TO SPECIFICATIONS	SW7071	GREY SCREEN		REFER TO SPECIFICATIONS FOR SHEEN INFORMATION. COLOR TO MATCH SCHOOL DISTRICT STANDARD GRAY ON FILE AT SHERWIN WILLIAMS.
09 91 23 PAINTING - PAINT						
PT1	SHERWIN WILLIAMS	REFER TO SPECIFICATIONS	SW 7071	GREY SCREEN		REFER TO SPECIFICATIONS FOR SHEEN INFORMATION. COLOR TO MATCH SCHOOL DISTRICT STANDARD LIGHT GRAY ON FILE AT SHERWIN WILLIAMS.
PT2	SHERWIN WILLIAMS	REFER TO SPECIFICATIONS	SW 7074	SOFTWARE		REFER TO SPECIFICATIONS FOR SHEEN INFORMATION. COLOR TO MATCH SCHOOL DISTRICT STANDARD MEDIUM GRAY ON FILE AT SHERWIN WILLIAMS.
PT3	SHERWIN WILLIAMS	REFER TO SPECIFICATIONS	COLOR TO MATCH PPG 1164-7	COLOR TO MATCH PPG COLOR, ANNAPOLIS BLUE		REFER TO SPECIFICATIONS FOR SHEEN INFORMATION. COLOR TO MATCH SCHOOL DISTRICT STANDARD "SHENANDOAH BLUE" ON FILE AT SHERWIN WILLIAMS.
10 26 23 PROTECTIVE WALLCOVERINGS - FIBER REINFORCED PANELING						
FRP1	MARLITE	STANDARD FRP	P 430N	PEBBLED MEDIUM GREY	4' X 8'	INCLUDE MATCHING EDGE AND DIVISIONAL PVC TRIM. FOR WALLS IN MAINTENANCE BAY.
FRP2	MARLITE	ARTIZAN MAX FRP		IRON THREADS, STONE	4' X 8'	INCLUDE ALUMINUM TRIM FOR CORNERS AND EXPOSED EDGES. NO DIVISIONAL TRIM BETWEEN PANELS. FOR WALLS IN RESTROOMS.
12 24 00 WINDOW SHADES- ROLLER SHADE						
RS1	DRAPER	ESCREEN 1% OPENNESS		PEARL/GREY		
12 35 50.13 LAMINATE CASEWORK - CASEWORK HARDWARE						
CH1	STEVENS INDUSTRIES	MODIFIED BAR 128 ADA		NICKEL		
12 35 50.13 LAMINATE CASEWORK - PLASTIC LAMINATE						
LT1	FORMICA	STANDARD HPL	5795-NG	CAMEL ELM		NATURAL GRAIN TEXTURE. WOOD GRAIN TO RUN VERTICALLY.
12 36 00 COUNTERTOPS - PLASTIC LAMINATE						
LT2	WILSONART	STANDARD HPL	5033-38	HANDSPUN PEARL		FINE VELVET FINISH



#	KEYNOTE DESCRIPTION
09 91 23 A1	WOOD STAIRS AND RAILINGS TO BE PAINTED PT3. REFER TO FINISH MATERIAL SCHEDULE.
12 24 00 B1	MANUAL ROLLER SHADE SYSTEM WITH ROLLER SHADE FABRIC RS1 - REFERENCE FINISH MATERIAL SCHEDULE.

FLOOR FINISH MATERIAL LEGEND	
	HYBRID CARPET TILE 1 HCPT1
	RESINOUS FLOORING 1 RES1
	SEALED CONCRETE SC

FINISH TAG LEGEND	
FLOOR FINISH	RF1
BASE FINISH	RB1
WALL FINISH	PT1
FINISH REMARK*	2

*REMARKS NUMBERS COORDINATE WITH "INTERIOR FINISH REMARKS" NOTES LEGEND ABOVE

MATERIALS NOTED IN FINISH TAG SHOULD BE CONSIDERED THE OVERALL FINISHES IN THE ROOM MARKED UNLESS NOTED OTHERWISE WITH KEYNOTES ON FINISH PLAN OR INTERIOR ELEVATIONS.

- INTERIOR FINISH REMARKS
- MULTIPLE WALL FINISHES IN THIS ROOM. REFER TO INFORMATION NOTED ON FINISH PLANS AND INTERIOR ELEVATIONS.
 - MULTIPLE FLOOR FINISHES IN THIS ROOM. REFER TO NOTED INFORMATION ON FINISH PLANS.
 - FRP INSTALLED FROM TOP OF WALL BASE UP TO 4'-6" AFF IN THIS ROOM. REFER TO FINISH TAG FOR FRP SELECTION AND FINISH MATERIAL SCHEDULE.

FIRST FLOOR PLAN ROOM INDEX - OVERALL		
ROOM NUMBER	ROOM NAME	AREA
A101	BUS CANOPY	1,479 SF
B100	MAINTENANCE GARAGE	2,220 SF
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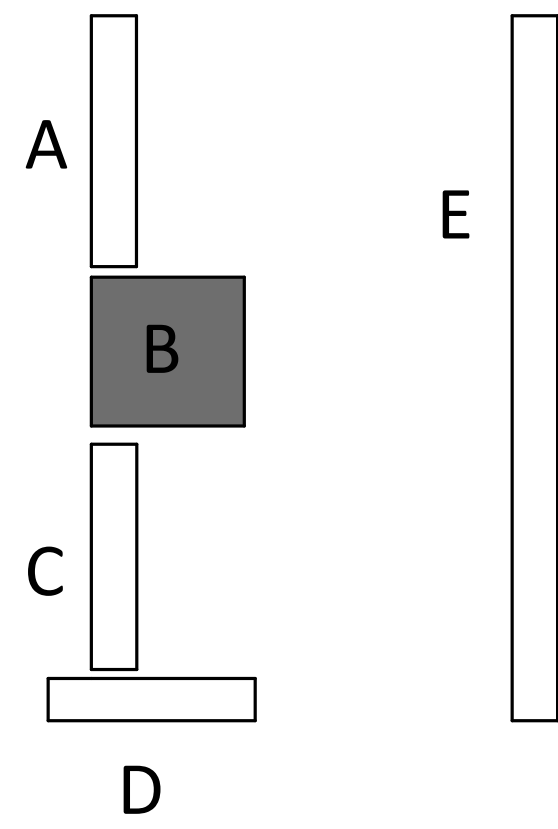
TYPICAL FINISHES

* UNLESS NOTED OTHERWISE, THESE FINISH SELECTIONS SHALL BE USED THROUGHOUT THE PROJECT. CONTRACTOR SHOULD BRING ANY DISCREPANCIES TO THE ARCHITECT'S ATTENTION IMMEDIATELY.

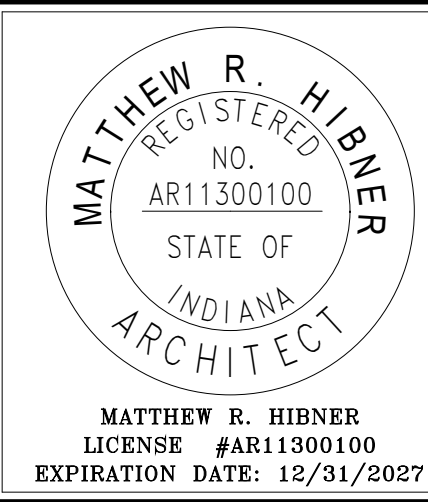
CASTWORK HARDWARE	CH1
EXPOSED HVAC ELEMENTS (CEILING)	MATCH PT1
EXPOSED HVAC ELEMENTS (WALLS)	MATCH ADJACENT WALL FINISH
EXPOSED STRUCTURE (CEILING)	MATCH PT1
EXPOSED METAL DECK	MATCH PT1
GWB CEILING AND BULKHEADS	PT1
HOLLOW METAL DOOR FRAMES	PT3
HOLLOW METAL DOORS	PT3
LAMINATE CASEWORK (HORIZONTAL)	LT2
LAMINATE CASEWORK (VERTICAL)	LT1
SWITCH PLATES AND OUTLET COVERS	WHITE
WOOD STAIRS, RAILINGS, TRIM WORK	PT3

FLOOR FINISHES GENERAL NOTES

- FLOORING TRANSITIONS AND SEAMS AT DOOR SHALL OCCUR DIRECTLY UNDER THE CENTERLINE OF CLOSED DOOR UNLESS NOTED OTHERWISE.
- FLOORING TRANSITIONS ARE TO BE EASED TO ACHIEVE A SMOOTH AND UNIFORM TRANSITION.
- TRANSITION STRIPS ARE REQUIRED IN ALL INSTANCES WHERE A FLOOR MATERIAL TRANSITION OCCURS. REFER TO TYPICAL DETAILS ON SHEET A9.D FOR ADDITIONAL INFORMATION.
- FLOOR FINISHES SHALL EXTEND UNDER BUILT-IN COUNTER AND EQUIPMENT.
- REFERENCE THE FINISH MATERIAL SCHEDULE FOR MANUFACTURERS, TYPES, AND COLOR SELECTIONS.
- REFERENCE INTERIOR ELEVATIONS, WHERE PROVIDED, FOR ADDITIONAL INFORMATION.
- ALL BASE MATERIALS SHALL BE INSTALLED TIGHT TO FLOORING SURFACE.
- REFERENCE FINISH FLOOR MATERIAL LEGEND FOR SPECIFIC FLOORING MATERIAL AND COLOR.
- REFER TO DIRECTIONAL ARROW ON FINISH FLOOR PLANS WHERE PROVIDED FOR FLOORING INSTALLATION INSTRUCTIONS
- WALL SUPPLY REGISTERS/GRILLES TO BE FIELD PAINTED TO MATCH ADJACENT WALL COLOR. REFERENCE SECTION 23 37 00 AND MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- EXPOSED CEILING / STRUCTURE TO BE PAINTED, UNLESS NOTED OTHERWISE
- ALL INTERIOR WALL FINISH TRANSITIONS SHOULD OCCUR AT AN INSIDE CORNER, IF A MATERIAL OR COLOR CHANGE OCCURS AT AN OUTSIDE CORNER, CONTRACTOR SHALL BRING THIS TO THE ATTENTION OF THE ARCHITECT FOR CLARIFICATION.
- PRIOR TO FLOORING INSTALLATION, VERIFY SUBFLOOR CONDITIONS MEET MANUFACTURER'S STANDARD REQUIREMENTS.



KEY PLAN



SHENANDOAH SCHOOL CORPORATION NEW TRANSPORTATION CENTER

NEW BUILDING FOR

ISSUANCES/REVISIONS		
CONSTRUCTION DOCUMENTS	09/02/2025	

PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
25031.00	CEO	HEF

FINISH PLANS AND DETAILS

SHEET NUMBER:
A9.1

[illegible][illegible]

WOOD HEADER SCHEDULE					
MARK	SIZE	HOLD-DOWNS (LOCATE EA. END)	JACK STUDS	KING STUDS	ADDITIONAL REQUIREMENTS
H1	(3) 2x6	(2) H2 5A	(1) 2x6	(2) 2x6	-
H2	(3) 2x6	(2) H2 5A	(1) 2x6	(3) 2x6	-
H3	(3) 2x10	(2) H2 5A	(2) 2x6	(3) 2x6	-
H4	(3) 2x10	(2) H2 5A	(2) 2x6	(5) 2x6	-
H5	(3) 1.75 x 9.25 LVL	(2) H2 5A	(3) 2x6	(4) 2x6	-

HEADER SCHEDULE NOTES:

1. JACK AND KING STUDS SHALL MATCH WALL FRAMING SIZE AND SPECIES OF DESIGNATED STUDS. THEY ARE INTEGRAL WITH, U.N.O.
2. SEE GENERAL STRUCTURAL NOTES FOR MINIMUM LUMBER GRADES FOR HEADER FRAMING.
3. SEE GENERAL STRUCTURAL NOTES FOR MINIMUM STRUCTURAL COMPOSITE LUMBER DESIGNATION.
4. PROVIDE 'H1' HEADER FOR ALL OPENINGS NOT DESIGNATED ON THE FRAMING PLANS.

MARK	SHEATHING PANEL	PANEL APPLICATION	SHEATHING PANEL FASTENING			HORIZONTAL PANEL EDGE BLOCKING
			FASTENER	PANEL EDGES	PANEL FIELD	
SW1	7/16" APA RATED	ONE SIDE	8d COMMON	6"	12"	YES
SW2	7/16" APA RATED	ONE SIDE	8d COMMON	3"	12"	YES

1. "APA RATED" SHEATHING INCLUDES PLYWOOD OR ORIENTED STRAND BOARD (OSB) MATERIAL.
2. ALL VERTICAL PLANE EDGES AND HORIZONTAL TOP AND BOTTOM EDGES SHALL BE LOCATED AT FASTENER SUBSTITUTIONS ARE NOT PERMITTED, UNLESS APPROVED ENGINEER REVIEW (S).
3. PROVIDE SIMPSON BPS58-6 PLATE WASHERS AT ALL SILL PLATE ANCHORS ATTACHING TOP PLATE.
4. COORDINATE SOLE PLATE ANCHORAGES WITH TYPICAL CONSTRUCTION DETAILS INDICATED.
5. ALL SHEARWALL TOP PLATES MUST BE A MINIMUM OF TWO IN NUMBER, HAVE STAGGERED
6. ALL HOLLOWDOWNS INDICATED ARE MANUFACTURED BY SIMPSON STRONG TIE. FOLLOW ALL
7. "BOUNDARY END STUDS" ARE STUD PACKS OR COLUMNS LOCATED AT THE EACH END OF SHEAR WALLS (MINIMUM 4" MAXIMUM 6" DIA).
8. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONAL LENGTHS OF ALL WALLS INDICATED AS WALL INTERCTIONS AND LOCATION OF STUD/POSTS.

EJ	EXPANSION JOINT		
ENG	ENGINEER		
EW	EACH WAY		
EXP	EXPANSION		
FDN	FOUNDATION		
FIN	FINISH OR FINISHED		
FLR	FLOOR		
FTG	FOOTING		
FTW	FRIC-RICHARDSON TREATED WOOD		
FV	FIELD VERIFY		
GA	GAGE		
GENL	GENERAL		
GC	GENERAL CONTRACTOR		

1.		TOP BARS ARE DEFINED AS HORIZONTAL BARS WITH MORE THAN 12" OF CONCRETE CAST BELOW THE BAR.
2.	BAR SPACING TO BE A MINIMUM OF THREE DIAMETERS UNLESS NOTED OR SCHEDULED OTHERWISE.	
3.	APPLICABLE ONLY FOR 60 KSI STEEL AND NORMAL WEIGHT CONCRETE.	
4.	IN LIEU OF LAP SPlicing, BARS MAY BE SPliced BY MECHANICAL MEANS WHICH DEVELOP AT LEAST 125% OF THE BAR'S SPECIFIED YIELD STRENGTH.	

HORIZ	HORIZONTAL
ID	INSIDE DIMENSION
IF	INSIDE FACE
INT	INTERIOR
JST	JOIST
JT	JOINT
L	ANGLE
LQBF	LIGHT GAGE METAL FRAMING
LLBB	LONG LEG BACK-TO-BACK
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
MAS	MASONRY
MAX	MAXIMUM
MTN	METERNUM
MTL	METAL
N	NORTH
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NOM	NOMINAL
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OH	OVERHEAD
OPP	OPPOSITE
OPNS	OPENING
OSB	ORIENTED STRAND BOARD
PAP	POWDER ACTUATED FASTENERS
PO	PREGAST
PENB	PRE-ENGINEERED METAL BUILDING
PER	PERPENDICULAR
PSI	POUNDS PER SQUARE INCH
PSF	POUNDS PER SQUARE FOOT
REINP	REINFORCING OR REINFORCED
REQ O	REQUIRED
SDH	SCHEDULE
SECT	SECTION
SER	STRUCTURAL ENGINEER OF RECORD
SF	SQUARE FOOT
SL	SLOPED
SLBB	SHORT LEG BACK-TO-BACK
SPIC	SPECIFICATION
SS	SQUARE
SS	STAINLESS STEEL
STD	STANDARD
SV	SQUARE YARD
SYN	SYMMETRICAL
T	TOP OF
T&B	TOP AND BOTTOM
TEMP	TEMPERARY OR TEMPERATURE
T&G	TORQUE AND GROOVE
TYP	TYPICAL
UN	UNLESS NOTED
UNO	UNLESS NOTED OTHERWISE
VB	VAPOR BARRIER
VERT	VERTICAL
W	WIDE FLANGE
W/O	WITHOUT
WT	WEIGHT
WFF	WELDED WIRE FABRIC
YO	YARD

WALL SCHEDULE			
PLATE ANCHORAGE	SHEARWALL BOUNDARY END STUDS/POSTS	HOLDOWNS (LOCATE EA, END)	ADDITIONAL REQUIREMENTS
OR BOLTS @ 32" O.C.	2	HDUS-SDS2 5 W/ 5/8" Ø EPOXY ANCHOR	-
OR BOLTS @ 16" O.C.	5	HDUS-SDS2.5 W/ 7/8" Ø EPOXY ANCHOR	-

THE AMERICAN PLYWOOD ASSOCIATION (APA), LATES, OR RIM BOARDS. INTERIOR HORIZONTAL PANEL EDGES NEED NOT BE BLOCKED UNLESS INDICATED. CONTRACTOR'S EXPENSE.

WALL TO FOUNDATION OR CONCRETE SLAB. NEAREST EDGE OF PLATE WASHERS SHALL BE LOCATED NO FARTHER THAN

STRUCTURAL DRAWINGS.

IONS, AND OCCUR OVER STUD LOCATIONS.

DS RECOMMENDED INSTALLATION INSTRUCTIONS.

DS SHALL BE OF SAME SIZE AND MATERIAL WITH THE WALL THEY ARE INTEGRAL WITH. SEE GENERAL STRUCTURAL NOTES

LOCATE BOUNDARY END STUDS/POSTS AT THE END OF WALLS MARKED AS SHEAR WALLS. SEE DETAIL BLOW UPS OF

REINFORCING COVER/TOLERANCE (#3 - #11 BARS)		
EXPOSURE CONDITION	MIN. COVER (U.N.O.)	PLACEMENT TOLERANCE
CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH:	3"	0", +3"
EXPOSED TO EARTH OR WEATHER - #6 AND SMALLER BARS: - #6 AND LARGER BARS:	1-1/2" 2"	-1/4", +1/2" -1/4", +1/2"
NEITHER EXPOSED TO WEATHER, NOR IN CONTACT WITH GROUND - SLABS AND WALLS: - BEAMS, COLUMNS, & PIERS: (TO TIES OR STIRRUPS)	3/4" 1-1/2"	-1/4", +3/8" -1/4", +1/2"

** INDICATES TOLERANCE TOWARDS MEMBER FACE.
 *** INDICATES TOLERANCE AWAY FROM MEMBER FACE.



Jezerinac Geers
Structural Engineering

PROJECT NUMBER:	26.27.501
DESIGNED BY:	KRA
DRAWN BY:	JKP (R25)
CHECKED BY:	SNF
DOCUMENT STATUS:	☐ PROGRESS ☒ PERMIT ☒ BIDDING ☐ CONSTRUCTION



DANIEL R. GEERS
REGISTERED
No. 12200130
STATE OF INDIANA
NOTARIAL PUBLIC
Daniel R. Geers



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**SH SCHOOL CORPORATION
NSPORTATION CENTER**

155 NORTH HANCOCK ROAD, MIDDLEBURY, INDIANA 47356

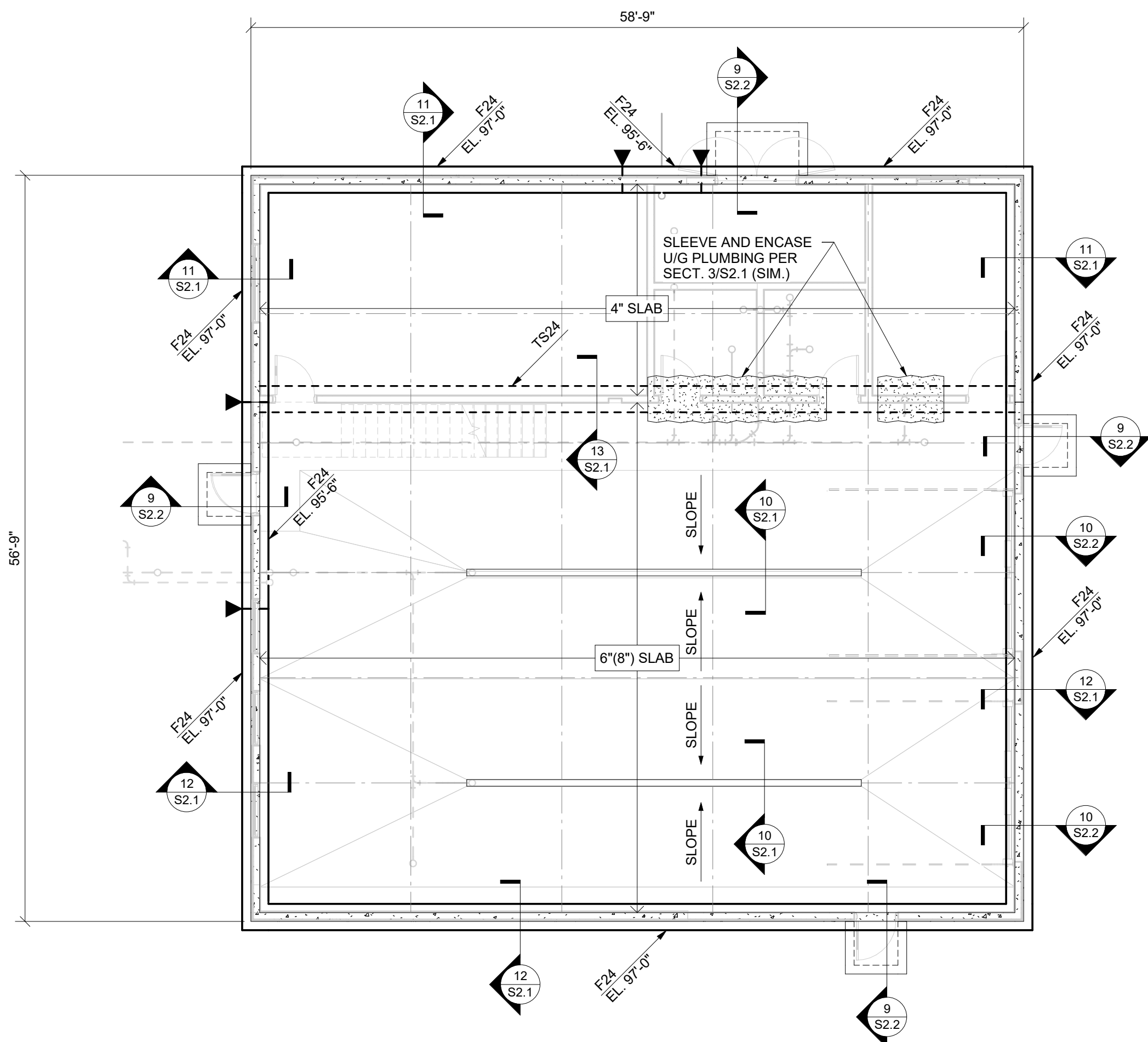
**SHENANDOAH
NEW TRAIL**

ISSUANCES/REVISIONS	
CONSTRUCTION DOCUMENTS	09/02/2026

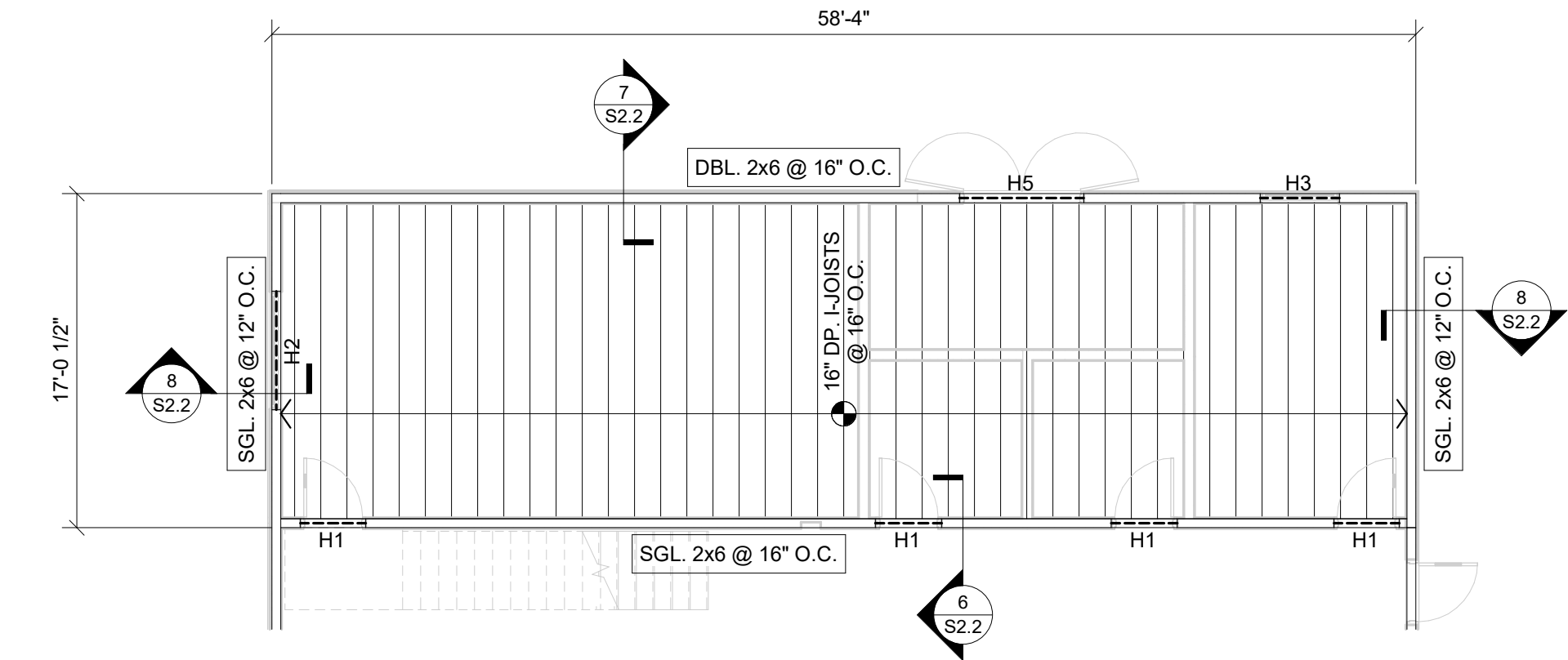
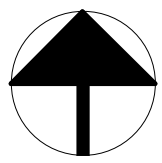
PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
031.00	JPK (R25)	SNP

SHEET TITLE:
GENERAL STRUCTURAL INFORMATION

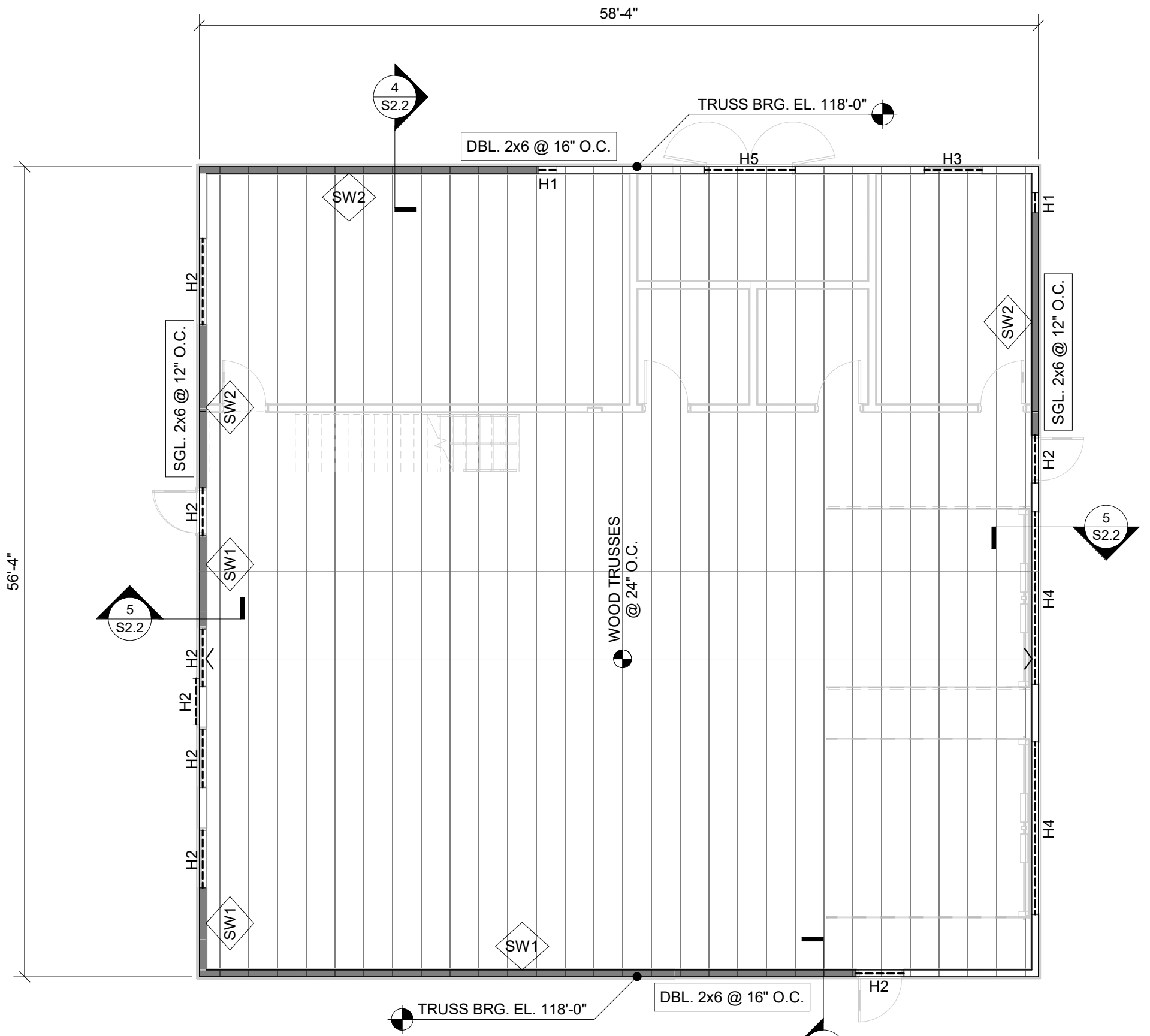
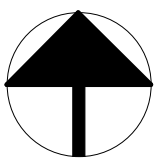
SHEET NUMBER:
S0.1



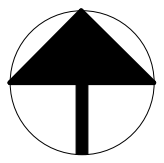
FOUNDATION PLAN
1/8" = 1'-0"



MEZZANINE FRAMING PLAN
1/8" = 1'-0"



ROOF FRAMING PLAN
1/8" = 1'-0"



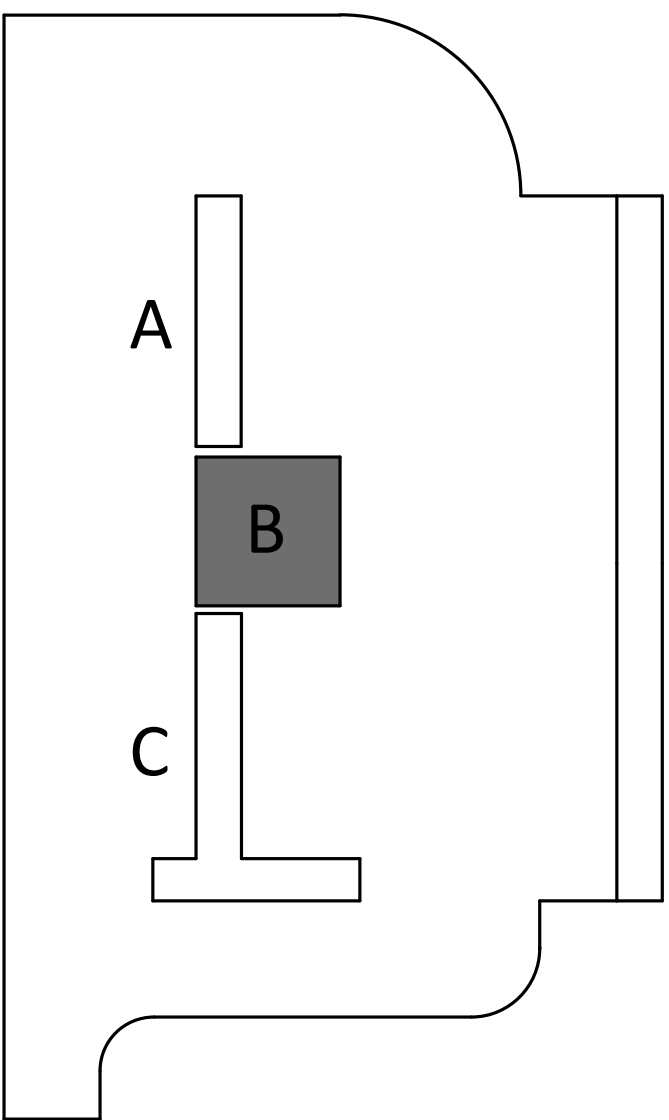
- FOUNDATION NOTES**
- INDICATES APPROXIMATE LOCATION AND INVERT ELEVATION OF UNDERGROUND UTILITIES. COORDINATE THE LOCATION AND DEPTH OF ALL UNDERGROUND UTILITIES. MECHANICAL, ELECTRICAL, PLUMBING, AND/OR CIVIL WORK WITH THE APPROPRIATE TRADE CONTRACTORS PRIOR TO CONSTRUCTION. NOT ALL UNDERGROUND UTILITIES ARE SHOWN ON THE STRUCTURAL DRAWING. FOUNDATIONS MUST BE PRIOR TO THE INSTALLATION OF UNDERGROUND UTILITIES ARE TO BE STEPPED OR DROPPED COMPLETELY BELOW THE UTILITY DEPTH PER SECTION 182.1 AND SLEEVED PER SECTION 252.1. WHERE UNDERGROUND UTILITIES ARE IN PLACE PRIOR TO FOUNDATION CONSTRUCTION, THEY ARE TO BE ENCASED PER SECTION 352.1. SEE SECTION 452.1 FOR TRENCH EXCAVATION AND UTILITY PLACEMENT REQUIREMENTS FOR WORK THAT IS ADJACENT TO FOOTINGS.
 - DESIGN SOL BEARING PRESSURE = 1,500 PSF BASED ON GEOTECHNICAL EXPLORATION REPORT BY ONE TESTUAL DATED MAY 11, 2024. REFERENCE THIS REPORT FOR ANY REQUIRED SOL REMEDIATION PRIOR TO FOUNDATION AND/OR SLAB-ON-GRADE CONSTRUCTION. FOOTING EXCAVATIONS MAY BE REQUIRED TO EXTEND THROUGH EXISTING SOFT SOIL REGIONS IN ORDER TO BEAR ON SUITABLE MATERIAL. OVER-EXCAVATIONS ARE TO BE FILLED WITH LEAN CONCRETE OR CONTROLLED-DENSITY FLOWABLE FILL UP TO THE PLANNED BOTTOM OF FOOTING ELEVATION. PLACE NO CONCRETE PRIOR TO INSPECTION AND APPROVAL OF BEARING SURFACES BY SOILS ENGINEER.
 - BOTTOM OF FOOTINGS ARE TO BE AT LEAST 42-INCHES BELOW THE ADJACENT EXTERIOR FINISHED GRADE FOR FROST PROTECTION.
 - KEEP FOUNDATIONS FREE OF WATER AT ALL TIMES. REPLACE WEAKENED SOIL WITH LEAN CONCRETE OR LOW-FASE FILL.
 - ELEVATIONS SHOWN ON FOOTINGS INDICATE ELEVATION AT TOP OF FOOTING. REFERENCE ELEVATION TOP OF CONCRETE SLAB ELEVATION AS NOTED ON PLANS. COORDINATE ABSOLUTE ELEVATION OF TOP OF SLAB WITH SITE DRAWINGS.
 - PROVIDE CORNER BARS AT ALL FOOTING AND CONCRETE WALL INTERSECTIONS PER DETAIL 652.1. PROVIDE CONTROL AND CONSTRUCTION JOINTS IN CAST-IN-PLACE CONCRETE WALLS PER DETAIL 652.1.
 - SEE FRAMING PLANS FOR LOCATIONS OF WOOD PANEL AND GYPSUM SHEATHED SHEARWALLS. SEE SHEARWALL SCHEDULE FOR END ANCHORAGE REQUIREMENTS AND SECTION 182.1 FOR ANCHOR BOLTS AND ADDITIONAL REINFORCING TO BE PLACED DURING FOUNDATION CONSTRUCTION.
 - SEE SECTION 752.1 FOR TYPICAL OUTDOOR MECHANICAL EQUIPMENT PADS.
 - SEE SHEET 50.1 FOR GENERAL STRUCTURAL INFORMATION.

- SLAB NOTES**
- SLAB CONSTRUCTION
4" CONCRETE SLAB ON GRADE W/ 6#6 W2.3/W2.9 WWF. OVER 15-ML VAPOR BARRIER. OVER 6" COMPACTED STONE SUBBASE.
BASE SD:
6" CONCRETE SLAB ON GRADE W/ 4#4 W4.0/W4.9 WWF OR #5 REINFORCING BARS AT 12" O.C. EACH WAY. OVER 15-ML VAPOR BARRIER. OVER 6" COMPACTED STONE SUBBASE.
ALTERNATE SD:
6" CONCRETE SLAB ON GRADE W/ #3 REINFORCING BARS AT 9" O.C. EACH WAY. OVER 6" COMPACTED STONE SUBBASE.
INDICATES SLAB CONTROL CONSTRUCTION JOINT PER SECTIONS 182.1 AND 182.2. CONTROL JOINTS ARE TO BE LOCATED IN AREAS SHOWN AT A SPACING NOT TO EXCEED 12'-0" O.C. UNLESS DIMENSIONED OTHERWISE.
 - REFER TO DIVISION 31 SPECIFICATIONS FOR DEPTH AND PLACEMENT OF DRAINAGE FILL AND DIVISION 3 FOR VAPOR BARRIER OR RETARDER BELOW SLABS ON GRADE.
 - WIRE MESH AND/OR STEEL REINFORCING IS TO BE SUPPORTED DURING CONCRETE PLACEMENT ON CHAIRS OR JOISTIES AT MID-DEPTH OF SLAB. MESH AND/OR STEEL REINFORCING IS NOT TO BE FILLED INTO PLACE DURING CONCRETE PLACEMENT.
 - SEE ARCHITECTURAL AND/OR STRUCTURAL PLANS FOR FINISHED FLOOR ELEVATIONS. COORDINATE TOP OF SLAB ELEVATION WITH THICKNESS OF ARCHITECTURAL FINISHED FLOOR PRODUCTS.
 - SEE SHEET 50.1 FOR GENERAL STRUCTURAL INFORMATION.

CONT. WALL FOOTING SCHEDULE			
MARK	SIZE	REINFORCING	
F24	2'-0" x 1'-0" DP.	(2) #5 CONT. BOT.	
TS24	2'-0" x 1'-0" DP.	(2) #5 CONT. BOT.	

- FLOOR FRAMING NOTES**
- DESIGN LIVE LOADS:
STORAGE 125 PSF
STAIRS AND EXITS 100 PSF
 - FLOOR CONSTRUCTION:
3/4" NOMINAL TONGUE-AND-GROOVE APA RATED STURD-FLOOR, EXPOSURE 1, WITH A MINIMUM MINIMUM SPAN RATING. GULF AND NAIL WITH ADHESIVES MEETING APA SPECIFICATIONS AND APPLIED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. PROVIDE 100 COMMON NAILS AT 6" O.C. AT ALL PANEL EDGES AND 12" O.C. AT ALL INTERMEDIATE SUPPORTS UNLESS NOTED OTHERWISE. PANEL EDGES NEED NOT BE BLOCKED UNLESS NOTED OR DETAILED OTHERWISE.
 - SEE ARCHITECTURAL DRAWINGS FOR ANY DIMENSIONS NOT INDICATED HEREIN.
 - SEE SHEET 50.1 FOR GENERAL STRUCTURAL INFORMATION.
- ROOF FRAMING NOTES**
- DESIGN LIVE/SNOW LOADS:
ROOF LIVE/SNOW 20 PSF
 - ROOF CONSTRUCTION:
SIP NOMINAL APA RATED SHEATHING, EXPOSURE 1, WITH A MINIMUM MINIMUM SPAN RATING. PROVIDE 100 COMMON NAILS AT 6" O.C. AT ALL PANEL EDGES AND 12" O.C. AT ALL INTERMEDIATE SUPPORTS UNLESS NOTED OTHERWISE. PANEL EDGES NEED NOT BE BLOCKED UNLESS NOTED OR DETAILED OTHERWISE.
 - INDICATES ROOF OPENING. COORDINATE EXACT SIZE AND LOCATION WITH THE APPROPRIATE TRADE CONTRACTORS. NOT ALL OPENINGS ARE SHOWN ON THE STRUCTURAL DRAWINGS. SEE SECTION 352.2 FOR FRAMING OF ALL OPENINGS EQUAL TO OR GREATER THAN 12" SQUARE. ON DIAMETER. ADDITIONAL FRAMING IS NOT REQUIRED FOR OPENINGS LESS THAN 12" SQUARE. SIZE OF OPENING IS NOT TO EXCEED THE TYPICAL CLEAR DISTANCE BETWEEN FRAMING MEMBERS OR TRUSSES. NOTIFY THE ARCHITECT IMMEDIATELY IF THE TYPICAL CLEAR DISTANCE BETWEEN FRAMING MEMBERS OR TRUSSES IS NOT SUFFICIENT FOR THE OPENING. OPENINGS CANNOT BE FIT BETWEEN FRAMING MEMBERS.
 - TRUSS BEARING ELEVATION NOTED ON PLAN. REFERENCE ELEVATION 100'-0" = TOP OF FIRST FLOOR SLAB ON GRADE.
 - SEE ARCHITECTURAL DRAWINGS FOR ANY DIMENSIONS NOT INDICATED HEREIN.
 - TRUSSES ARE TO BE DESIGNED FOR A 250 POUND CONCENTRATED LOAD SHOWN APPLIED ANYWHERE ALONG THE BOTTOM CHORD OF THE SPAN. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO LIMIT THE TOTAL LOAD HANGING FROM THE TRUSSES TO THIS AMOUNT.
 - SEE SHEET 50.1 FOR GENERAL STRUCTURAL INFORMATION.

- WOOD STUD WALL NOTES**
- TYPICAL EXTERIOR WALL SHEATHING:
1/2" NOMINAL APA RATED SHEATHING, EXPOSURE 1, WITH A WALL-24 MINIMUM SPAN RATING. PROVIDE 60 COMMON NAILS AT 6" O.C. AT ALL PANEL EDGES AND 12" O.C. AT ALL INTERMEDIATE SUPPORTS UNLESS NOTED OTHERWISE. ALL PANEL EDGES ARE TO BE FULLY BLOCKED AND NAILED AT SHEAR WALL LOCATIONS UNLESS NOTED OTHERWISE.
 - TYPICAL INTERIOR WALL SHEATHING:
5/8" GYPSUM WALLBOARD. PROVIDE 60 COOLER NAILS AT 7" O.C. AROUND ALL PANEL EDGES AND AT 7" O.C. FOR ALL INTERMEDIATE SUPPORTS OR PROVIDE No. 4 1/4" TYP. S & W SCREWS AT 6" O.C. AROUND ALL PANEL EDGES AND AT 12" O.C. FOR ALL INTERMEDIATE SUPPORTS UNLESS NOTED OR SCHEDULED OTHERWISE. ALL PANEL EDGES ARE TO BE FULLY BLOCKED AT SHEAR WALL LOCATIONS UNLESS NOTED OTHERWISE.
 - H/O
INDICATES OPENING HEADER PER SECTION 182.2. SEE ARCHITECTURAL DRAWINGS FOR LOCATION, EXTENT, AND ELEVATION OF ALL OPENINGS. SEE HEADER SCHEDULE FOR SIZES AND SUPPORT REQUIREMENTS.
 - INDICATES WOOD PANEL OR GYPSUM BOARD SHEARWALL. SEE SHEARWALL SCHEDULE FOR SHEAR PANEL TYPE, FASTENING, BLOCKING, AND ANCHORAGE REQUIREMENTS.
 - WALL STUDS ARE TO EXTEND CONTINUOUS FOR FULL HEIGHT OF WALL UNLESS NOTED OTHERWISE. WHERE STUDS ARE INTERRUPTED BY OPENING IN WALL (WOOD, LOUVER, ETC.) PROVIDE ONE FULL-HEIGHT KING STUD AT EACH JAMB FOR EACH 2'-0" OF OPENING WIDTH.
 - PROVIDE MID-HEIGHT STUD WALL BLOCKING FOR ALL EXTERIOR WALLS, INTERIOR BEARING WALLS, AND ALL WALL FRAMING WHICH IS NOT SHEATHED ON EACH SIDE OF THE WALL.
 - LAP STUD WALL TOP PLATE PER SECTION 252.2.
 - ALL WALL DIMENSIONS SHOWN ARE TO FACE OF STUD.
 - SEE SHEET 50.1 FOR GENERAL STRUCTURAL INFORMATION.



KEY PLAN

SHENANDOAH SCHOOL CORPORATION
NEW TRANSPORTATION CENTER

NEW BUILDING FOR

5309 NORTH LAUREL ROAD, MIDDLETOWN, INDIANA 47356

ISSUANCES/REVISIONS		
CONSTRUCTION DOCUMENTS	09/02/2025	

PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
25031.00	JKP (R25)	SNF

SHEET TITLE:
STRUCTURAL PLANS

SHEET NUMBER:
S1.1





7" to 8" 3/4" to 1 1/8"

10" to 12" 1 1/8" to 1 5/8"

1" to 10"

1 1/4"

1 1/8"

CL CONST. JOINT

EL. SEE PLAN

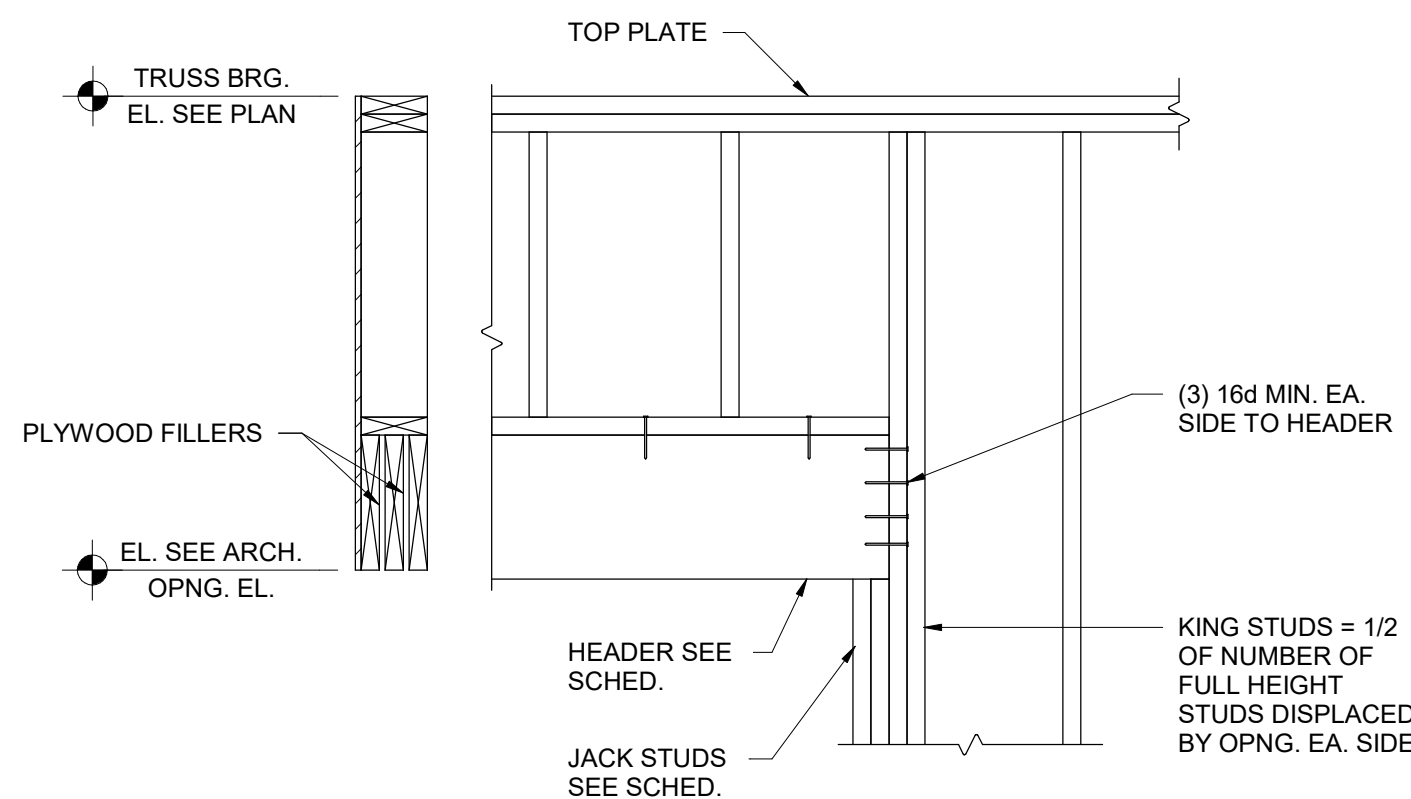
SLEEVE OR GREASE
ONE END ONLY

TOOL SECOND SLAB PLACEMENT
W/ SHARP RADIUS EDGER. SAW
TO MATCH CONTRACTION JOINT
FILL W/ SEMI-RIGID EPOXY JOINT
FILLER.

DOWEL PER SCHED. @ 12" O.C.
SUPPORT W/ DOWEL BASKET OR
APPROVED ALTERNATE MEANS.

DOWEL MUST BE ALIGNED & LEVEL

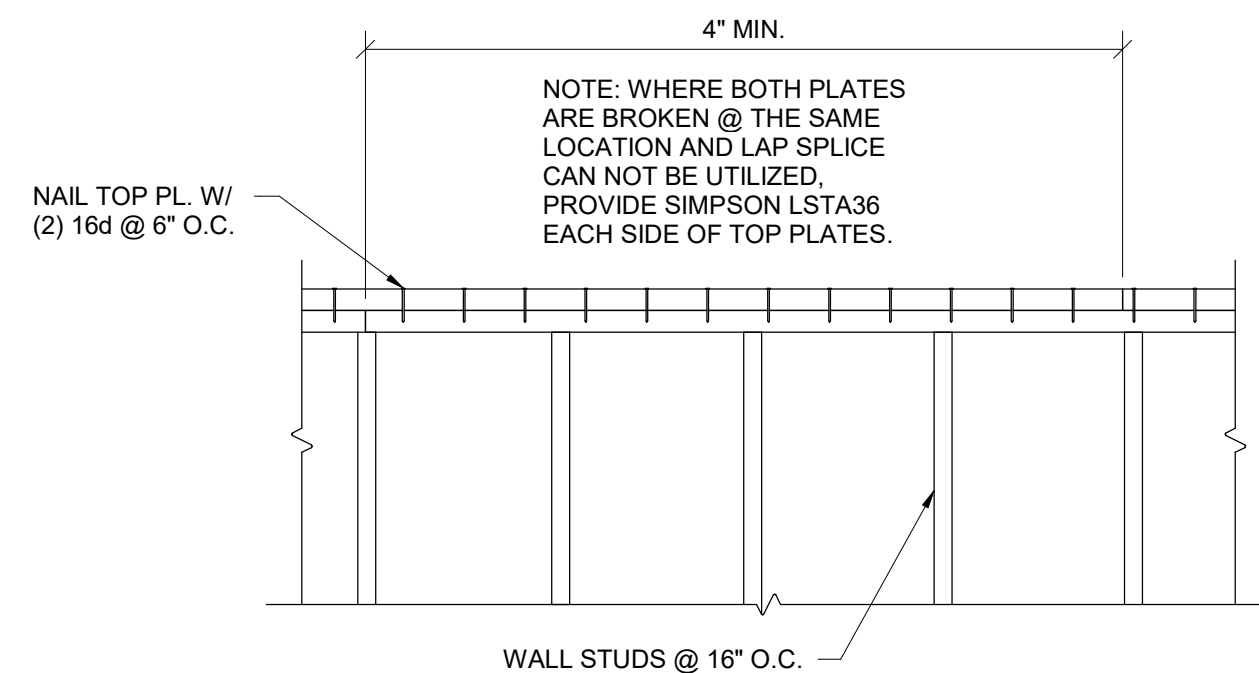




TYPICAL WOOD HEADER CONSTRUCTION

SECTION

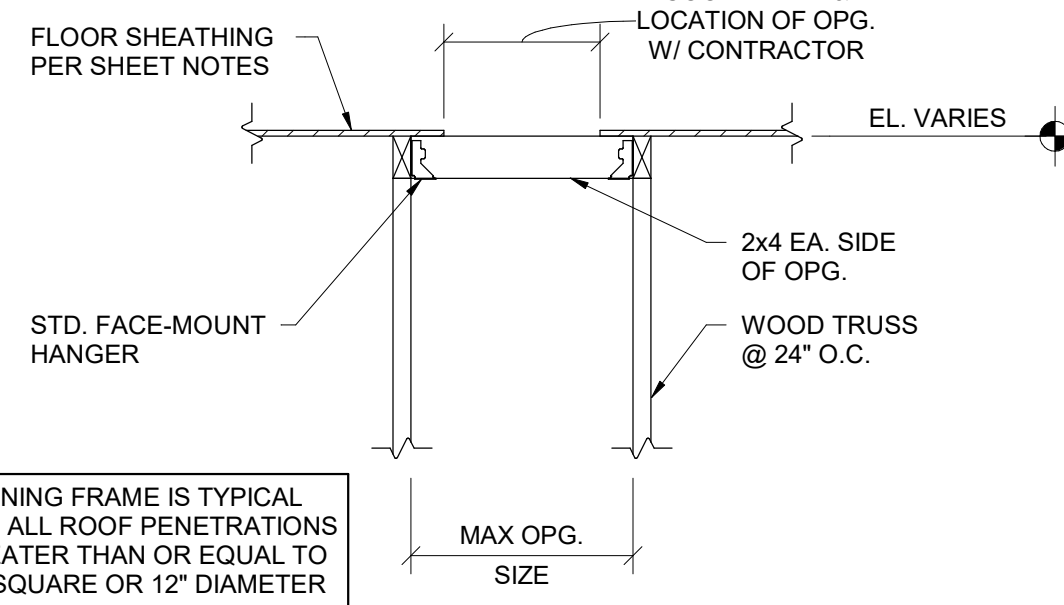
3/4" = 1'-0" 1



TYPICAL SHEARWALL-TOP PLATE SPLICE

SECTION

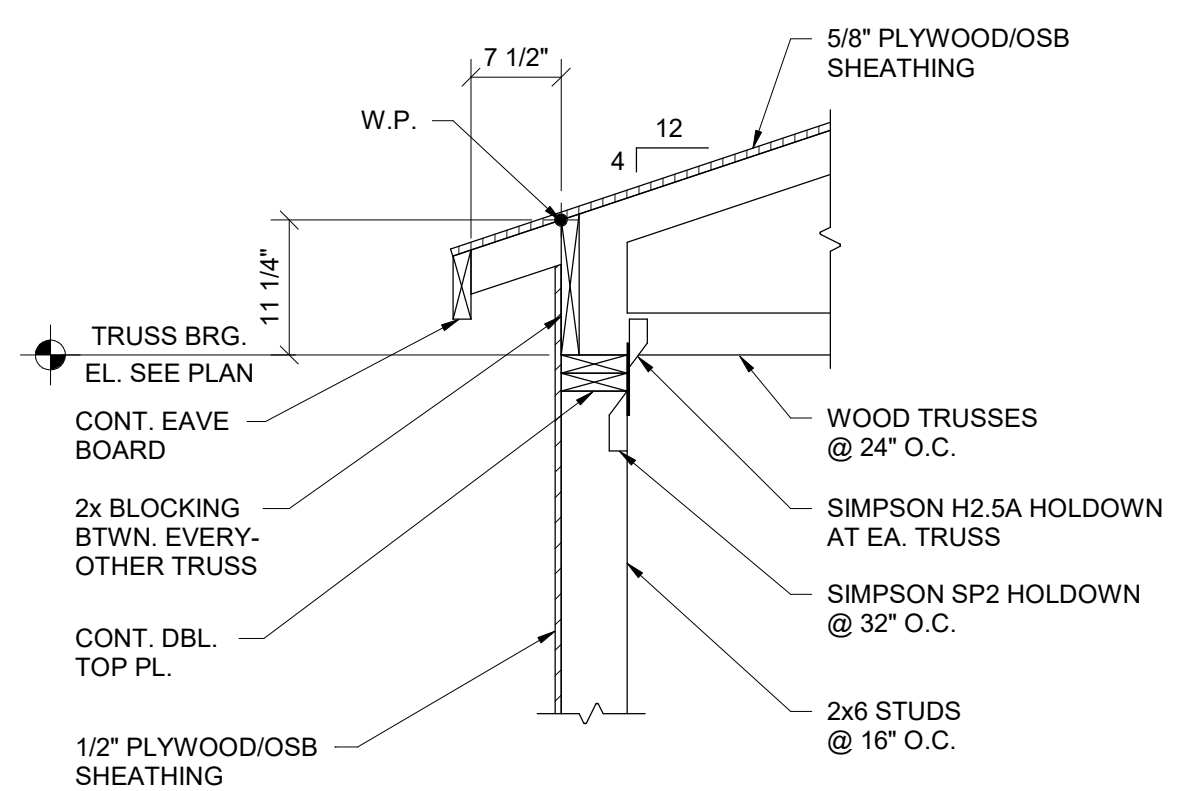
3/4" = 1'-0" 2



TYPICAL ROOF OPENING BETWEEN WOOD TRUSSES

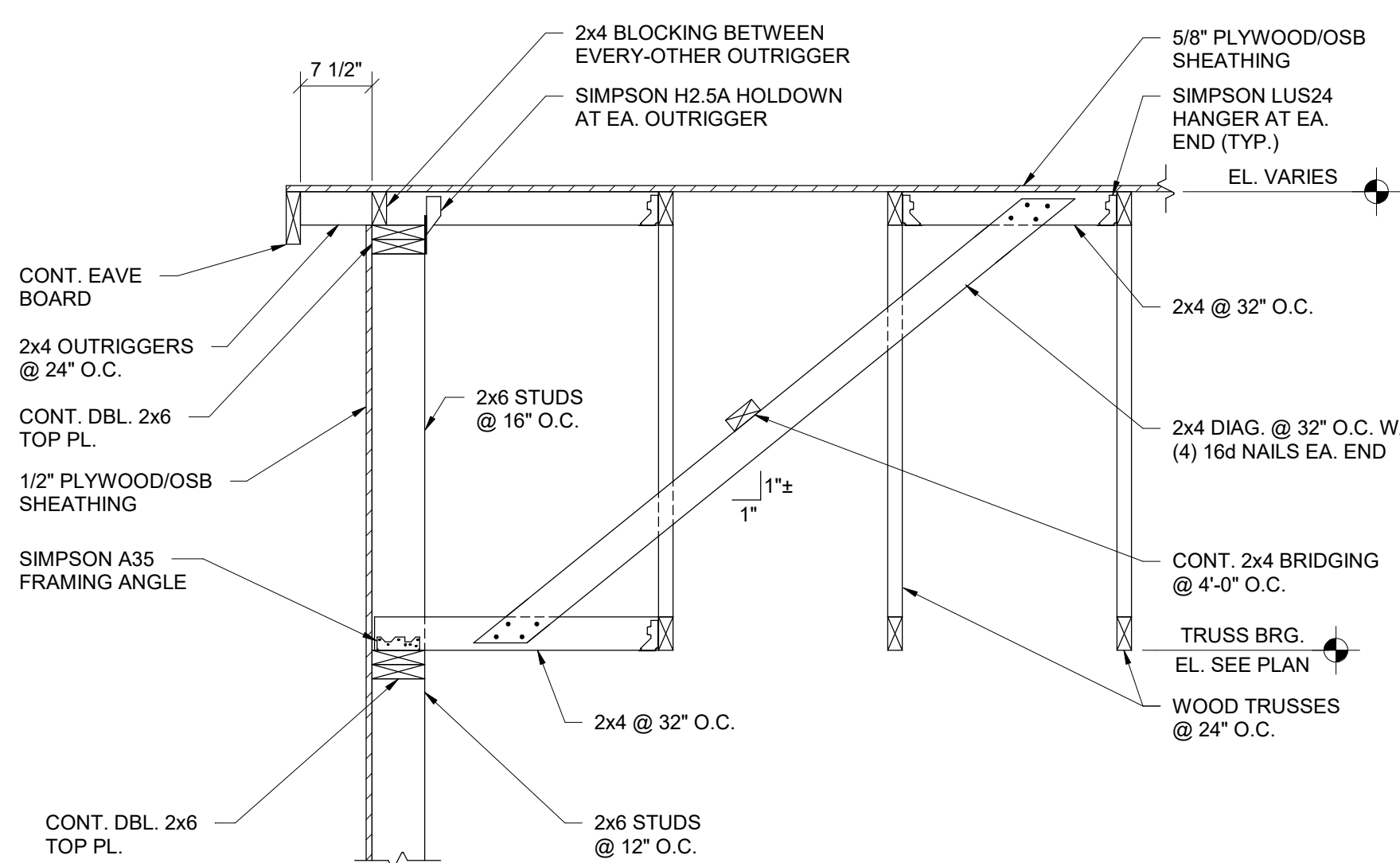
SECTION

3/4" = 1'-0" 3



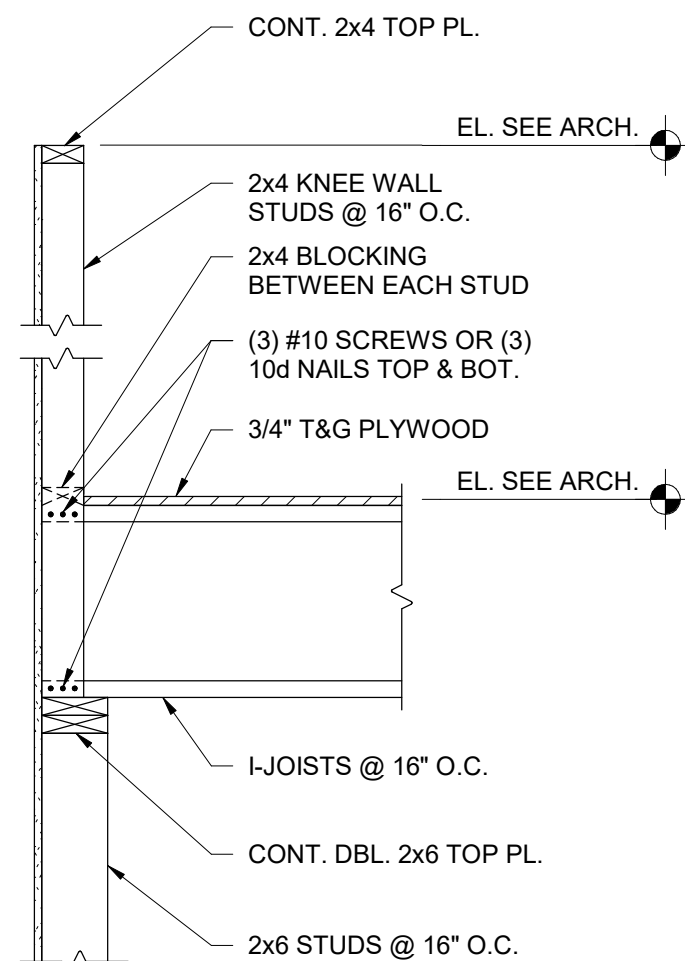
SECTION

3/4" = 1'-0" 4



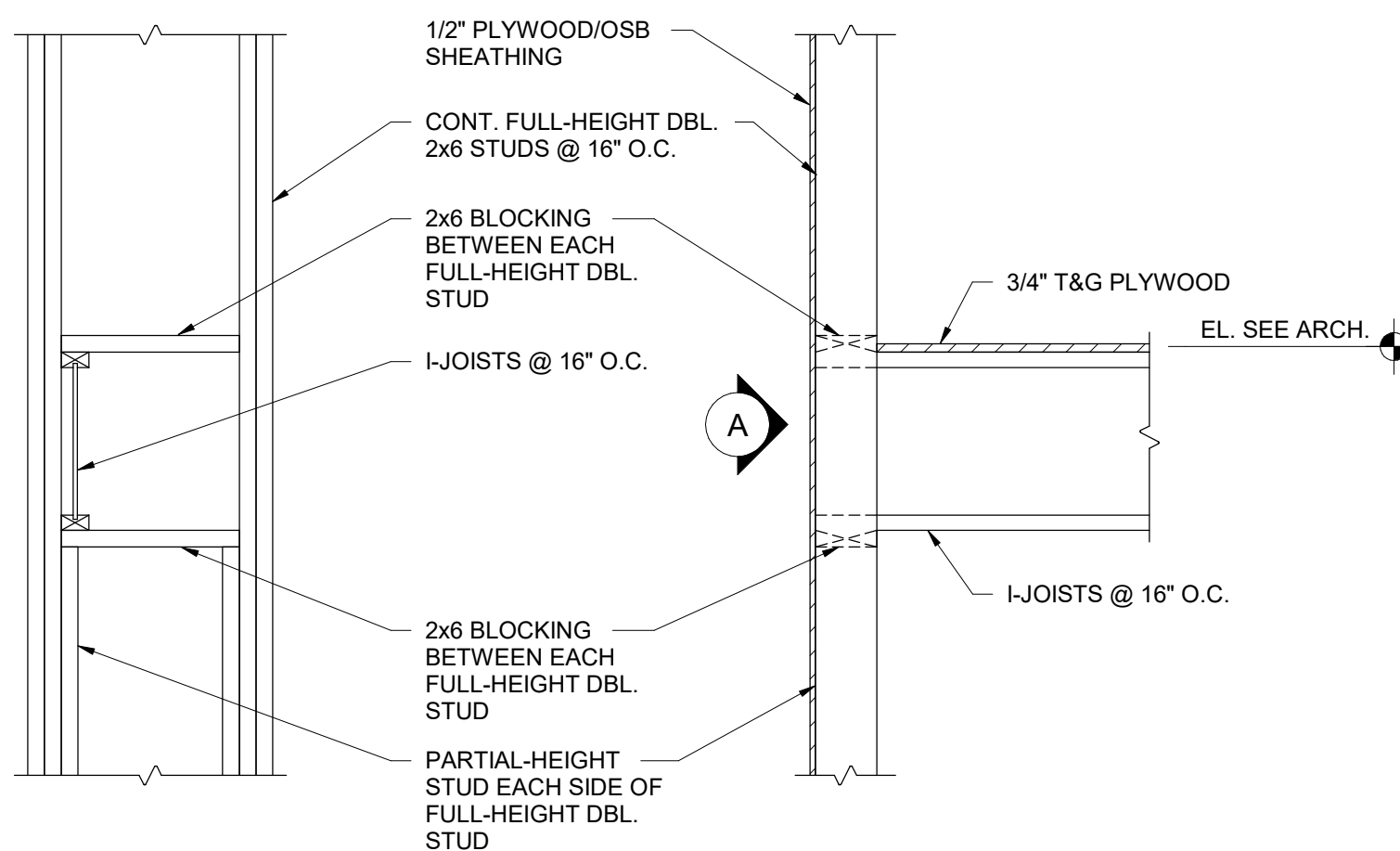
SECTION

3/4" = 1'-0" 5



SECTION

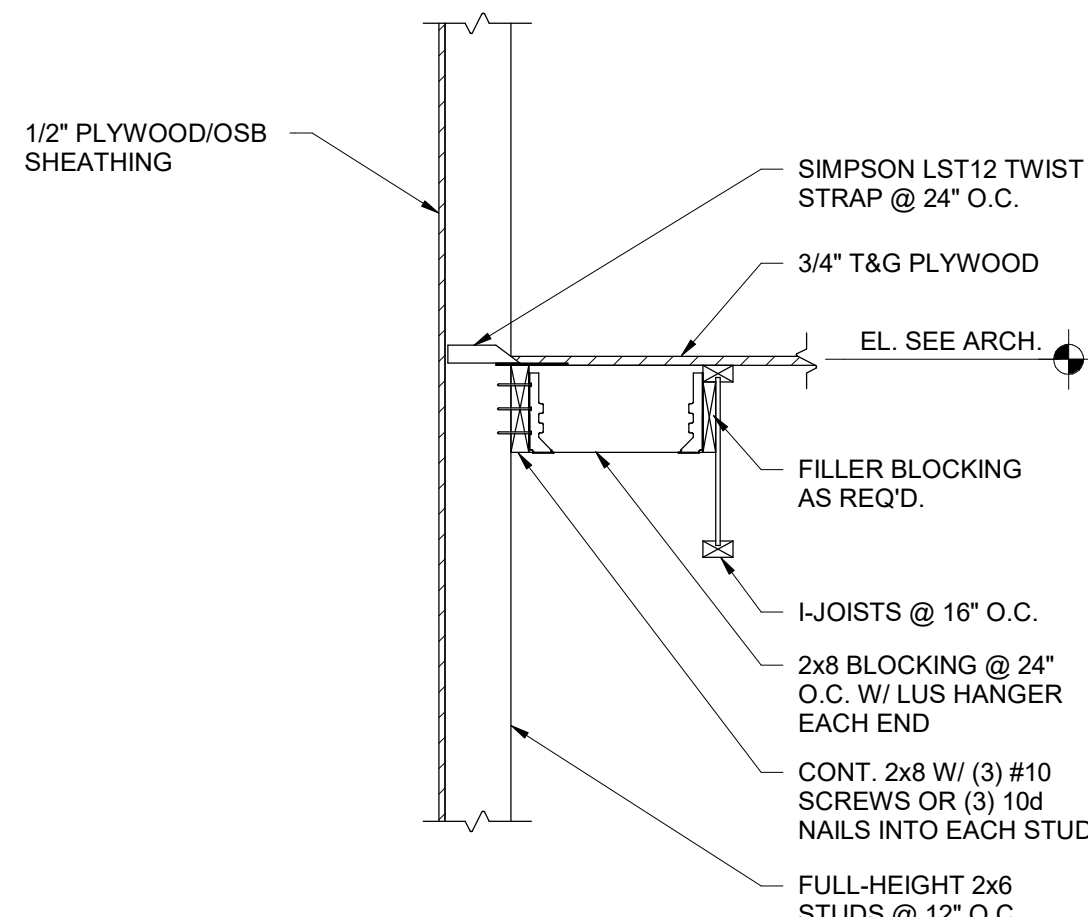
3/4" = 1'-0" 6



ELEVATION A

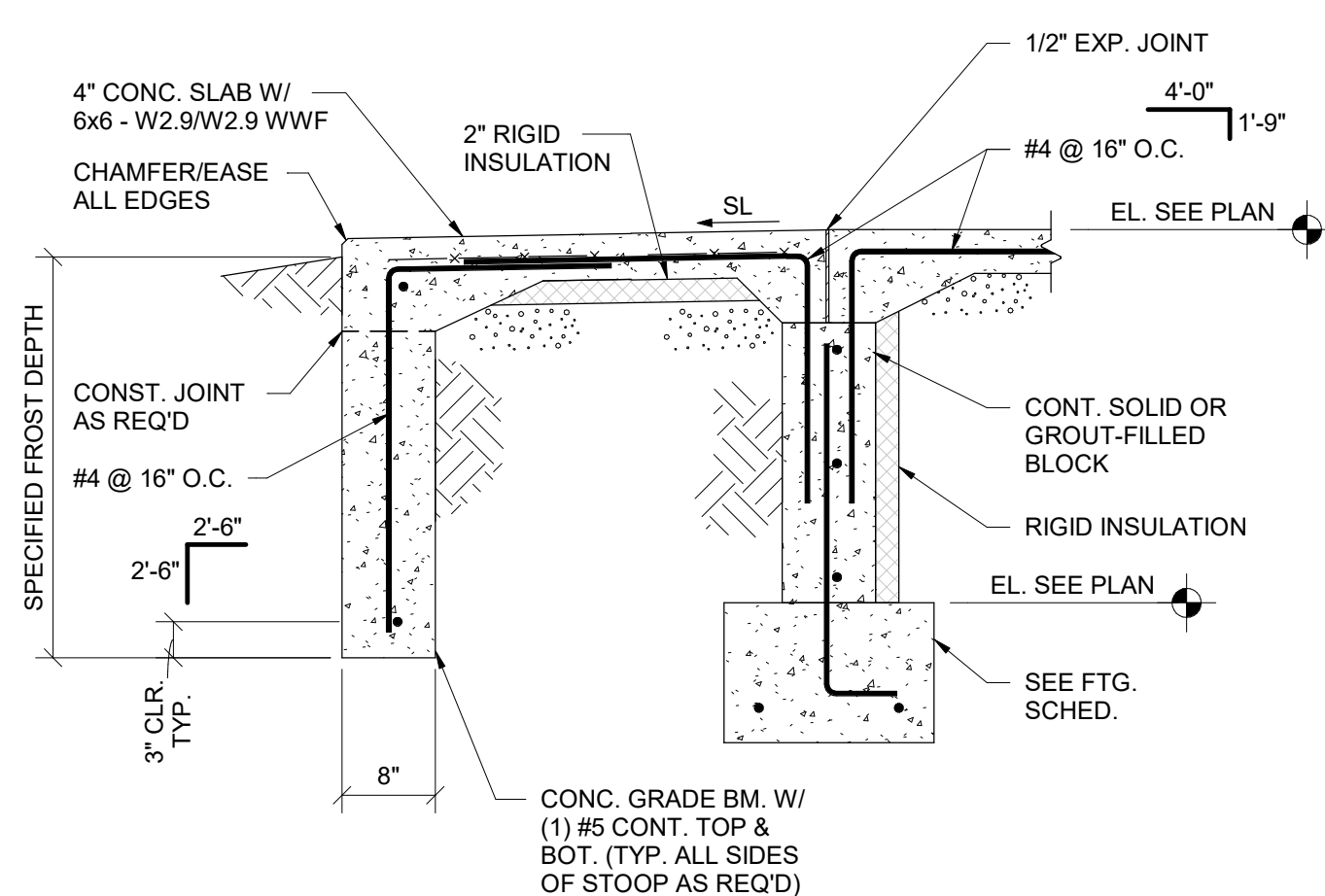
SECTION

3/4" = 1'-0" 7



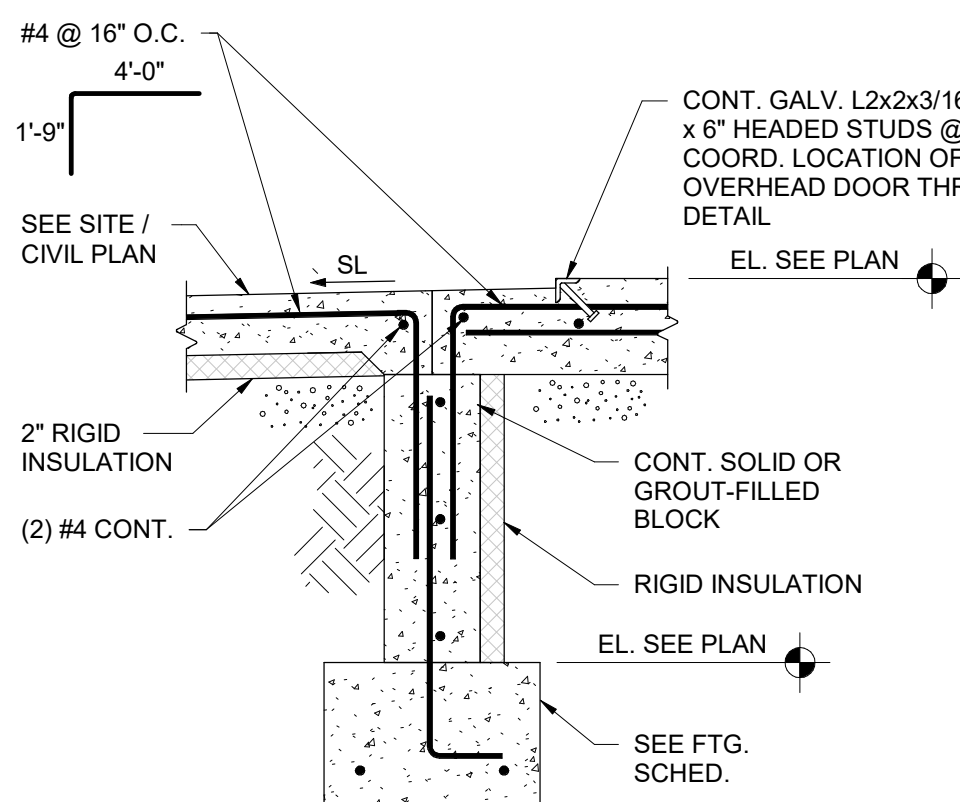
SECTION

3/4" = 1'-0" 8



SECTION

3/4" = 1'-0" 9



SECTION

3/4" = 1'-0" 10



SHENANDOAH SCHOOL CORPORATION
NEW TRANSPORTATION CENTER

NEW BUILDING OR

5309 NORTH LAUREL ROAD, JUBILEE TOWN, INDIANA 47536

ISSUANCES/REVISIONS

CONSTRUCTION DOCUMENTS 09/02/2005

PROJECT NUMBER: 25031.00
DRAWN BY: JPK (R25)
CHECKED BY: SNF

SHEET TITLE:

STRUCTURAL
DETAILS

SHEET NUMBER:

S2.2

- NOTE: ABBREVIATIONS USED ON THE CONTRACT DOCUMENTS, INCLUDE BUT ARE NOT LIMITED TO THOSE LISTED BELOW.

- CHARACTERS: & AND Ø DIAMETER/ROUND

A	AIR
AB	ABOVE BASE
ABV	ABOVE
AC	AIR CONDITIONING
ACOUS	ACOUSTICAL
AD	AREA DRAIN
ADD	ADDENDUM
ADDL	ADDITIONAL
AFF	ABOVE FINISHED FLOOR
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY
AG	ABOVE GROUND
ALT	ALTERNATE
AP	ACCESS PANEL
APPROX	APPROXIMATE
ARCH	ARCHITECT/ARCHITECTURAL
AUTD	AUTOMATIC
AV	ACID RESISTANT VENT
AW	ACID RESISTANT WASTE

B	
BFF	BELOW FINISHED FLOOR
BLDG	BUILDING
BLW	BELOW
BO	BY OTHER
BOT	BOTTOM
BSMT	BASEMENT
BTU	BRITISH THERMAL UNITS
BTUH	BRITISH THERMAL UNITS PER HOUR
BTWN	BETWEEN

C	
CAP	CAPACITY
CB	CATCH BASIN
CCW	COUNTER CLOCKWISE
CFCV	CONSTANT FLOW CONTROL VALVE
CFM	CUBIC FEET PER MINUTE
CHW	CIRCULATING HOT WATER
CI	CAST IRON
CLG	CEILING/COOLING
CO	CLEAN OUT
COL	COLUMN
COMB	COMBINATION
CONC	CONCRETE
COND	CONDENSATE
CONF	CONFERENCE
CONN	CONNECT
CONST	CONSTRUCTION
CONT	CONTINUE/CONTINUATION
CONTR	CONTRACT/CONTRACTOR
COORD	COORDINATE
CTR	CENTER
CUFT	CUBIC FEET
CV	CHECK VALVE
CW	COLD WATER
CW	CLOCKWISE

D	
D	DEGREE
DB	DRY BULB
DET	DETAIL
DI	DIONIZED WATER
DIA	DIAMETER
DISCH	DISCHARGE
DIV	DIVISION
DMPR	DAMPER
DN	DOWN
DW	DISTILLED WATER
DWG	DRAWING

E	
EA	EACH
EAT	ENTERING AIR TEMPERATURE
EL	ELBOW
ELEC	ELECTRICAL
ELEV	ELEVATION
EP	EXPLOSION PROOF
EQ	EQUAL
EQUIP	EQUIPMENT
EWIC	ELECTRIC WATER COOLER
FWT	ENTERING WATER TEMPERATURE
EXIST	EXISTING
EXP	EXPANSION JOINT
EXT	EXTERIOR

F	
F	DEGREES FAHRENHEIT
FCD	FLOOR CLEAN OUT
FD	FLOOR DRAIN
FDV	FIRE DEPARTMENT VALVE
FHC	FIRE HOSE CABINET
FL	FLOOR
FLEX	FLEXIBLE
FLG	FLANGE
FO	FUEL OIL
FOR	FUEL OIL RETURN
FOS	FUEL OIL SUPPLY
FOV	FUEL OIL VALVE
FPM	FEET PER MINUTE
FRP	FIBERGLASS REINFORCED PIPE
FS	FULL SIZE/FLOOR SINK
FT	FOOT/FEET
FTG	FOOTING
FTR	FIN TUBE RADIATION
FUT	FUTURE

G	
GA	GAGE/GAUGE
GAL	GALLON
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GEN	GENERATOR
GENL	GENERAL
GPM	GALLONS PER MINUTE
GR	GRADE
GW	GREASE WASTE

H	
HB	HOSE BIB
HD	HEAD
HORZ	HORIZONTAL
HP	HORSE POWER/HIGH PRESSURE
HTG	HEATING
HTR	HEATER
HW	HOT WATER
HYD	HYDRANT

I	
ID	INDIRECT
IN	INCH
INL	INLET
INSUL	INSULATION
INT	INTERIOR
INV	INVERT
INWG	INCHES WATER GAUGE

J	
JST SPC	JOIST SPACE
JT	JOINT

L	
LAB	LABORATORY
LAT	LEAVING AIR TEMPERATURE
LB	POUND
LB/HR	POUNDS PER HOUR
LF	LINEAL FOOT
LP	LOW PRESSURE
LPG	LIQUEFIED PETROLEUM GAS
LVR	LIQUID REFRIGERANT
LVR	LOUVER
LWT	LEAVING WATER TEMPERATURE

M	
M/A	MIXED AIR
MAN	MANUAL
MATL	MATERIAL
MAV	MANUAL AIR VENT
MAX	MAXIMUM
MBD	MOTORIZED BYPASS DAMPER
MBH	ONE THOUSAND BTU PER HOUR
MCF	ONE THOUSAND CUBIC FEET
MCW	MAKE-UP COLD WATER
MD	MOTORIZED DAMPER
MECH	MECHANICAL
MFR	MANUFACTURER
MH	MANHOLE
MIN	MOTORIZED BYPASS DAMPER
MISC	MISCELLANEOUS
MTR	MOTOR
MU/A	MAKE-UP/AIR

N	
N	NECK
NC	NOISE CRITERIA/NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NUMBER/NORMALLY OPEN
NOM	NOMINAL
NTS	NOT TO SCALE

O	
O	OXYGEN
O/A	OUTSIDE AIR
OC	ON CENTER
OF	OVERFLOW
OPNG	OPENING
ORD	OVERFLOW ROOF DRAIN

P	
PD	PRESSURE DROP
PV	POST INDICATOR VALVE
PLBG	PLUMBING
PR	PAIR
PREL	PRELIMINARY
PRESS	PRESSURE
PRIM	PRIMARY
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAUGE
PW	POTABLE WATER
PWR	POWER

R	
RCP	RADIANT CEILING PANEL
RD	ROOF DRAIN
REC	RECESSED
RED	REDUCER
REFR	REFRIGERATION
REQD	REQUIRED
REV	REVERSE
RH	RELATIVE HUMIDITY
RM	ROOM
RPM	REVOLUTIONS PER MINUTE
RW	RAIN WATER

S	
S	SANITARY
SCHED	SCHEDULE
SD	STORM DRAINAGE
SDD	STORM DRAINAGE OVERFLOW
SECT	SECTION
SF	SQUARE FOOT
SHT	SHEET
SIM	SIMILAR
SLV	SLEEVE
SP	SURFACE MOUNT
SP	STANDPIPE/STATIC PRESSURE
SPEC	SPECIFICATION
SQ	SQUARE
SR	SUCTION REFRIGERANT
SS	STAINLESS STEEL
SSD	SOIL SUBDRAIN
STD	STANDARD
STM	STEAM
STRUCT	STRUCTURAL
SUCT	SUCTION
SUSP	SUSPENDED

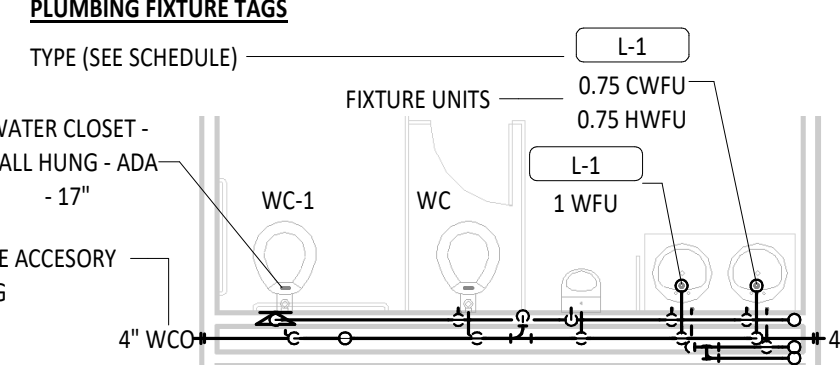
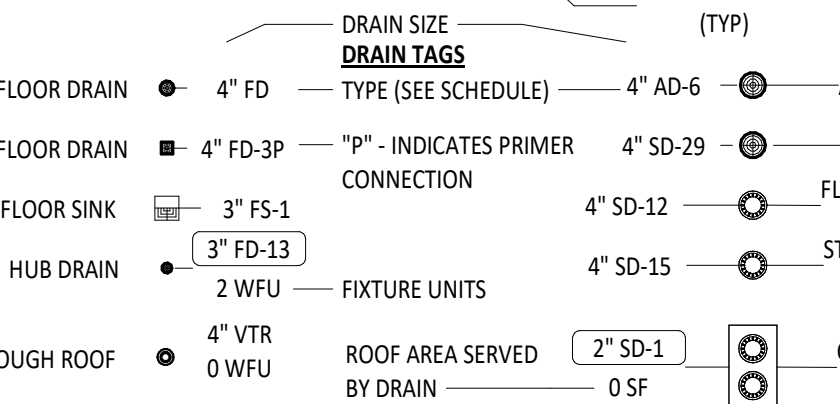
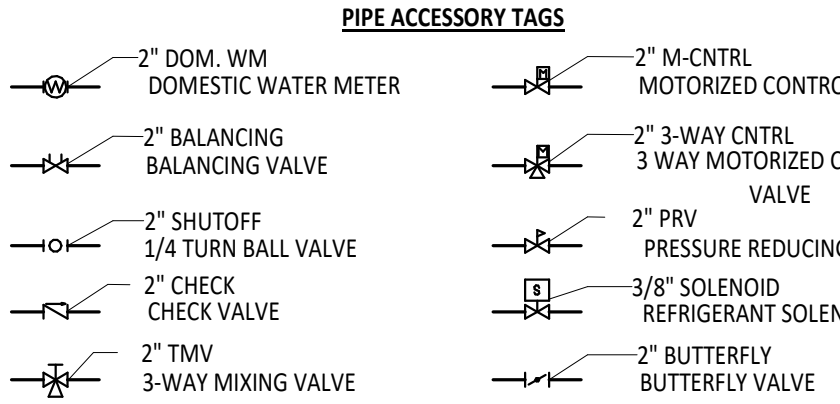
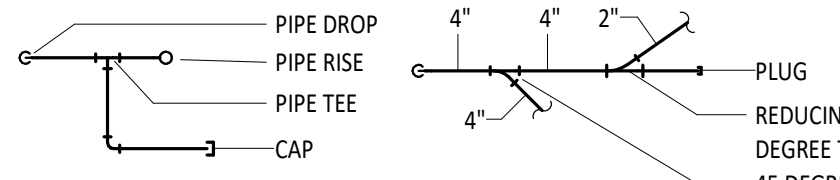
T	
T	THERMOSTAT
TCP	TEMPERATURE CONTROL PANEL
TD	TEMPERATURE DROP
TDR	TRENCH DRAIN
TEFC	TOTALLY ENCLOSED FAN COOLED
TEMP	TEMPERATURE
TYP	TYPICAL

U	
UFD	UNDER FLOOR DUCT
UG	UNDERGROUND

V	
V	VENT
VAV	VARIABLE AIR VOLUME
VEL	VELOCITY
VENT	VENTILATION
VERT	VERTICAL
VOL	VOLUME
VTR	VENT THROUGH ROOF

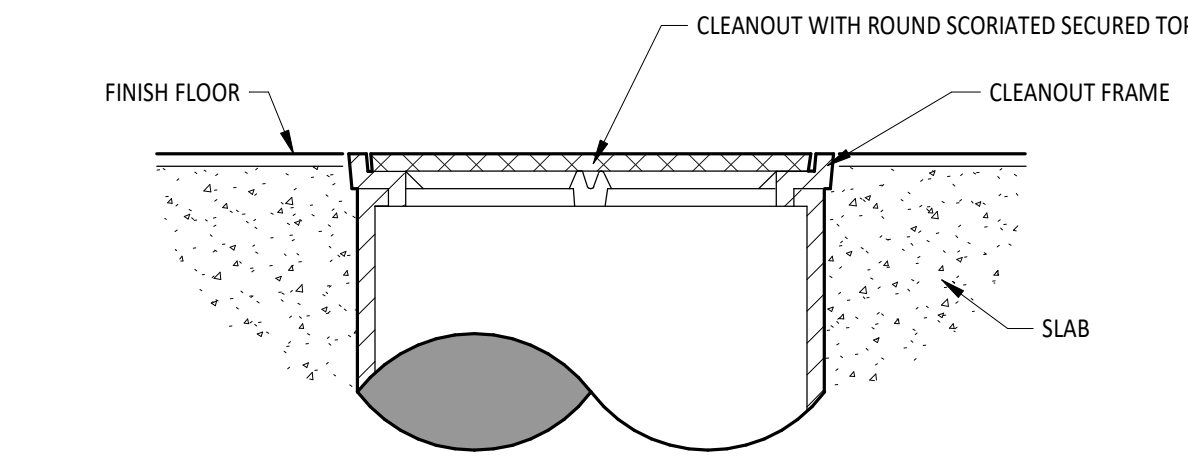
W	
W	WASTE
WB	WET BULB
WCO	WALL CLEAN OUT
WH	WALL HYDRANT

-CW-	COMBINATION WASTE & VENT
-CA-	COMPRESSED AIR
-CW-	DOMESTIC COLD WATER
-H-CW-	HARD COLD WATER
-S-CW-	SOFT COLD WATER
-F-CW-	FILTERED COLD WATER
-RO-	REVERSE OSMOSIS WATER
-HW-	HOT WATER
-HW 140°-	HOT WATER 140°
-HW-R-	HOT WATER RECIRCULATION
-HW-R 140°-	HOT WATER RECIRCULATION 140°
-G-	NATURAL GAS
-PG-	PROPANE GAS
-GV-	GREASE VENT
-GW-	GREASE WASTE
-IW-	INDIRECT WASTE
-OV-	OIL VENT
-OW-	OIL WASTE
-PD-	PUMP DISCHARGE
-V-	SANITARY VENT
-S-	SANITARY SEWER
-SHWR-	SOLAR HOT WATER RETURN
-SHWS-	SOLAR HOT WATER SUPPLY
-SD-	STORM DRAINAGE
-OSD-	OVERFLOW STORM DRAINAGE



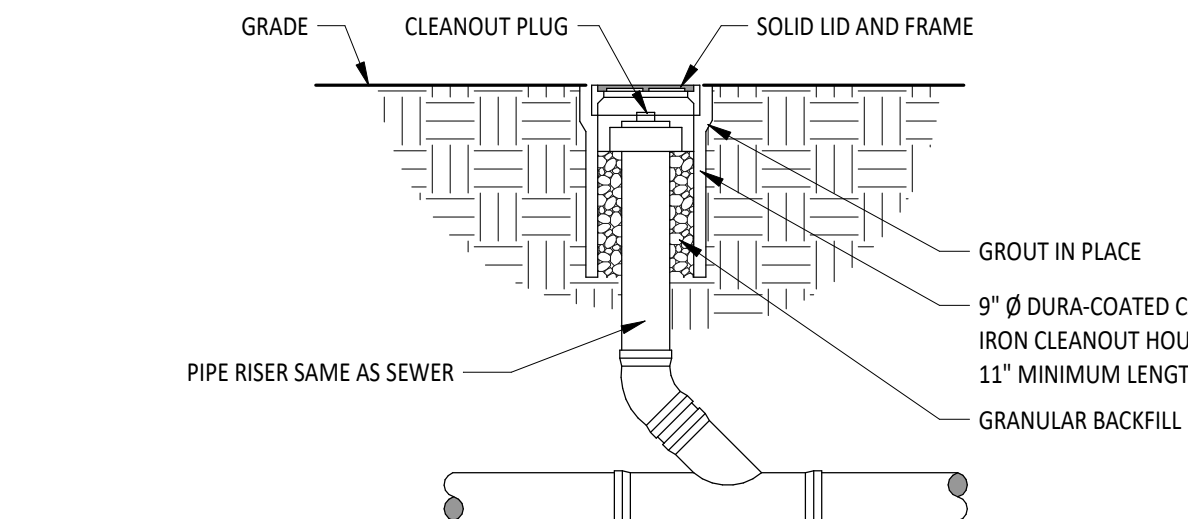
1 PLUMBING AND PIPING SYMBOLS

1/8" = 1'-0"



2 CLEANOUT - FLUSH WITH FINISH FLOOR

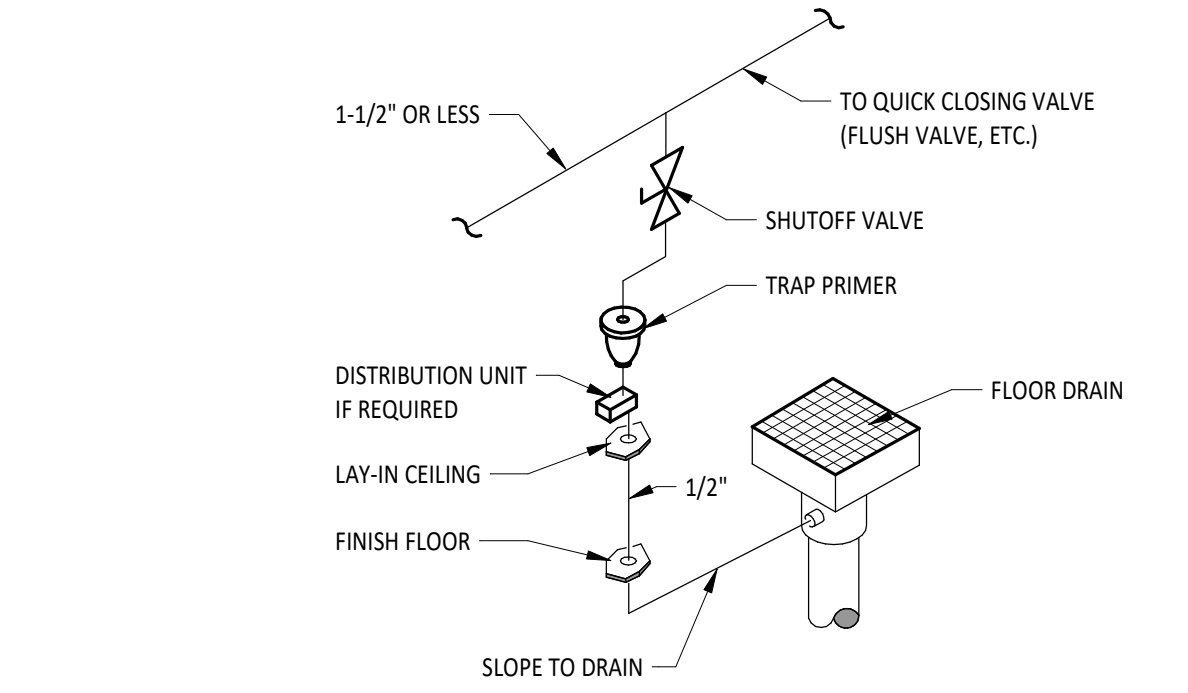
NTS



NOTE: RODDING HOLES SHALL BE LOCATED ON ALL SANITARY AND STORM SEWERS LEAVING THE BUILDING AT 5'-0" OUTSIDE OF THE BUILDING WALL, AT THE ENDS OF THE SEWERS, AND AS SHOWN ON THE PLANS.

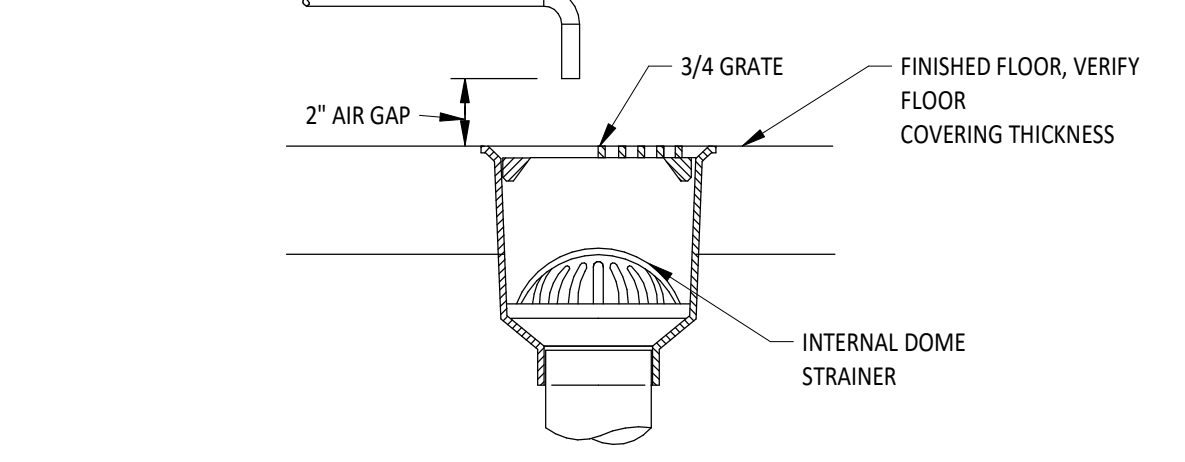
4 "RH" RODDING HOLE DETAIL

NTS



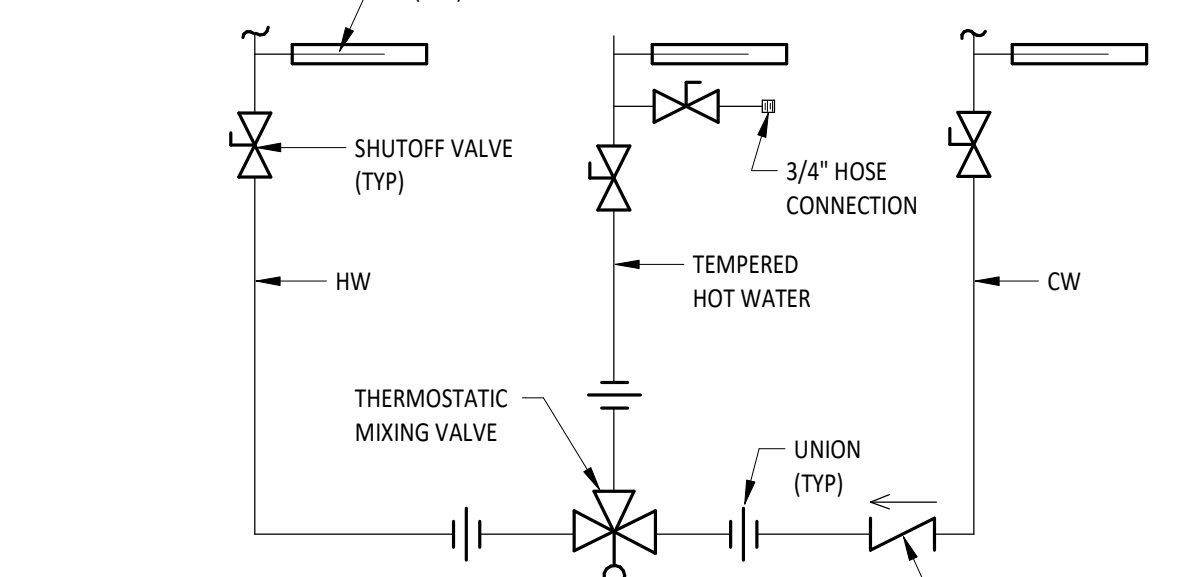
6 TRAP PRIMER DETAIL

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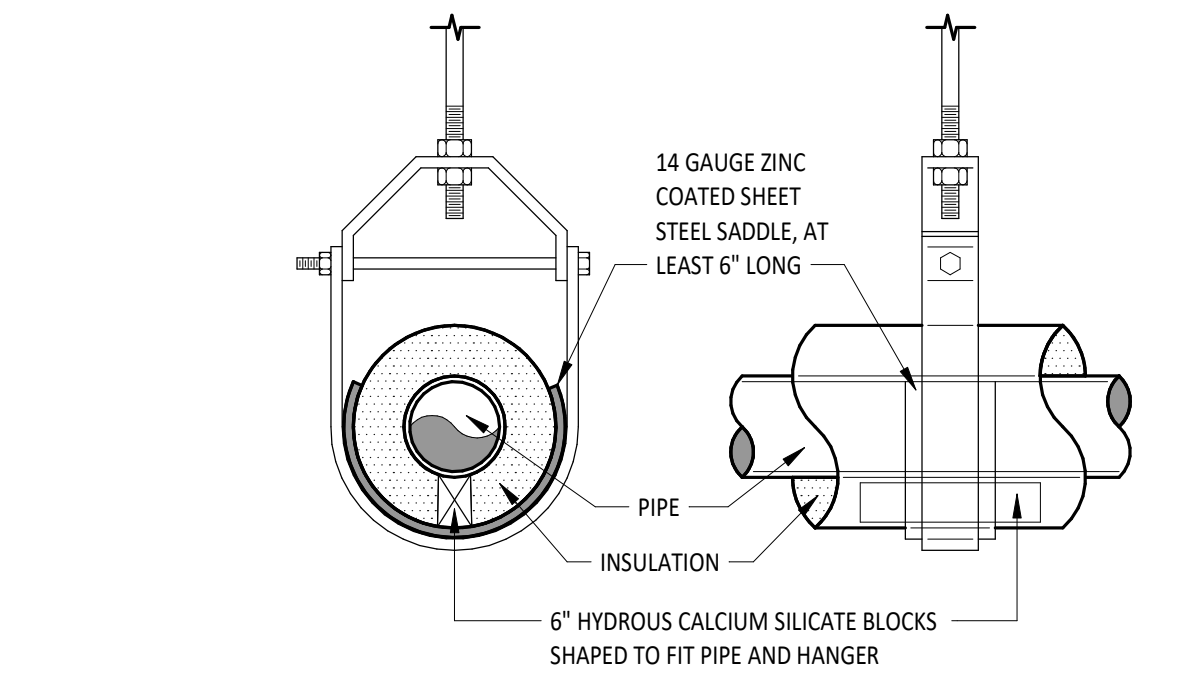
3 FLOOR SINK DETAIL

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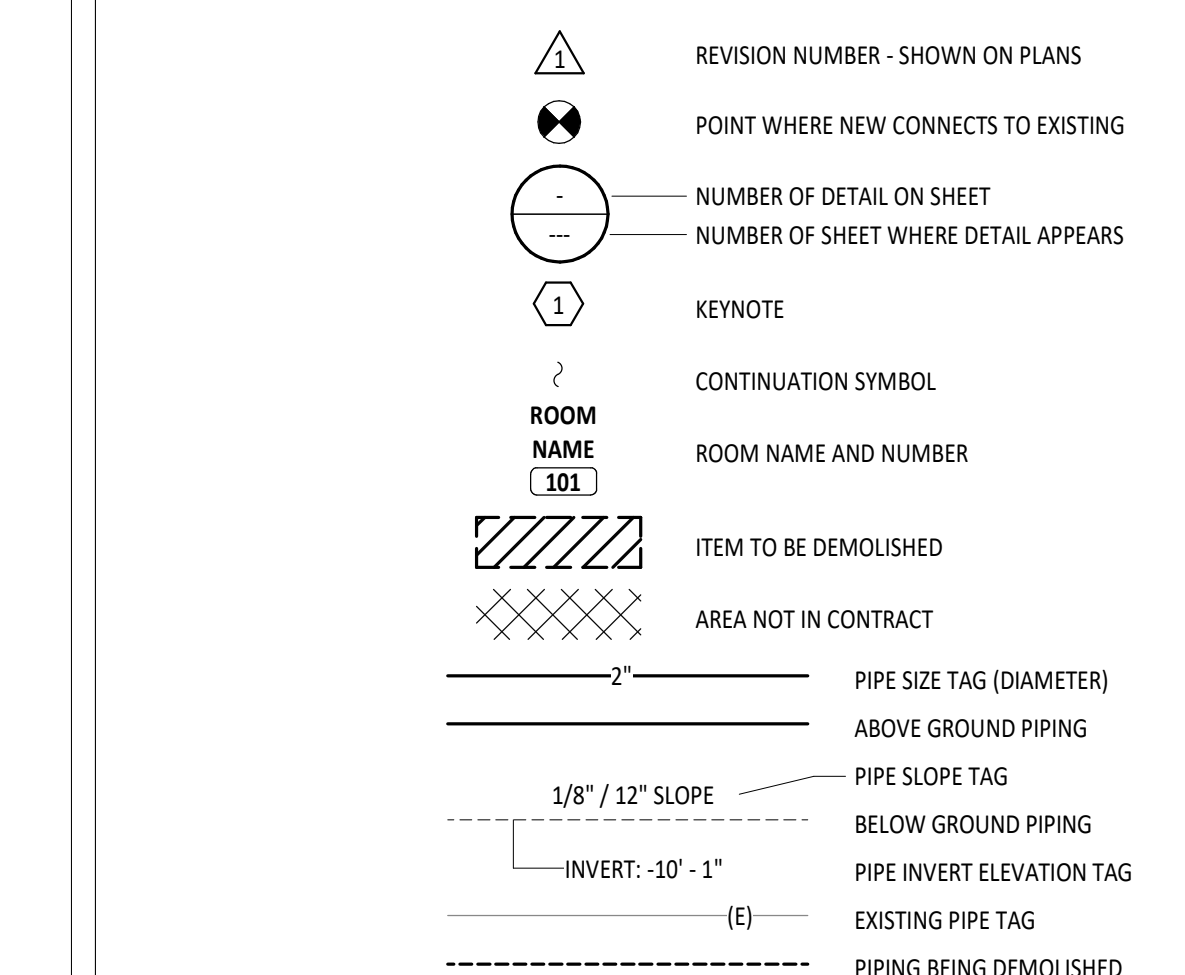
5 THERMOSTATIC MIXING VALVE DETAIL

NTS



7 PIPE HANGER - CLEVIS - 6" AND SMALLER

NTS



10 GENERAL PLUMBING SYMBOLS

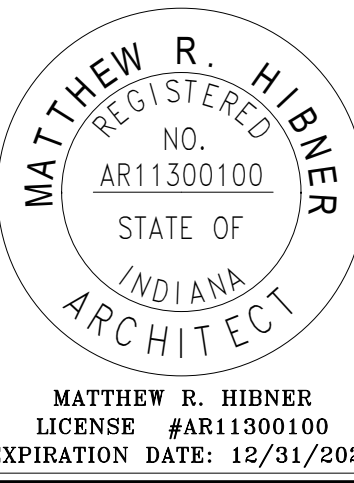
1/8" = 1'-0"

PLUMBING SHEET INDEX

SHEET NUMBER	SHEET NAME
P1.1	GENERAL NOTES, ABBREVIATIONS, LEGENDS AND SHEET INDEX
P2.1	UNDER-SLAB AND FIRST FLOOR PLUMBING PLAN - UNIT B
P5.1	PLUMBING SCHEDULES

PLUMBING GENERAL NOTES

- PROVIDE TRAP PRIMERS FOR FLOOR DRAINS SERVING MECHANICAL ROOMS, MECHANICAL DECKS, EMERGENCY SHOWERS, KITCHEN FLOOR DRAINS, AND AS REQUIRED BY CODE. SUPPLY NEAREST COLD WATER PIPING CONNECTED TO A FLUSH VALVE OR SOLENOID VALVE. SUPPLY PIPING SHALL BE 1/2" VALVED COLD WATER LINE. REFERENCE DETAIL FOR ADDITIONAL INFORMATION.
- VERIFY INVERT ELEVATIONS ON UNDERGROUND SANITARY, STORM AND OTHER UTILITIES. COORDINATE DEPTHS WITH THE BUILDING CONSTRUCTION AND ALL OTHER UTILITIES INSIDE AND OUTSIDE OF THE BUILDING.
- ALL STORM, SANITARY AND VENT PIPING IN CHASE EXPOSED TO THE PLENUM AND ABOVE CEILING WHERE PLENUM IS USED FOR RETURN AIR SHALL BE CAST IRON. REFERENCE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- PITCH UNDERFLOOR SANITARY WASTE AND STORM PIPING 3" AND GREATER AT 1/8" PER FOOT, UNLESS NOTED OTHERWISE. PITCH ALL OTHER WASTE PIPING AT 1/4" PER FOOT UNLESS OTHERWISE NOTED.
- WASTE AND VENT PIPING BELOW FLOOR AND THROUGH FLOOR SHALL BE 2" MINIMUM.
- ROUTE DOMESTIC WATER, FIRE PROTECTION, SANITARY SEWER, AND STORM SEWER SERVICES TO SITE UTILITIES 5'-0" FROM BUILDING UNLESS NOTED OTHERWISE. REFERENCE CIVIL PLANS.
- PROVIDE CLEANOUT IN ACCESSIBLE LOCATION AT THE BASE OF ALL PLUMBING SANITARY AND STORM RISERS.
- WHERE FLOOR DRAINS OCCUR WITHIN THE LIMITS OF CONSTRUCTION, PREVENT CONSTRUCTION DEBRIS FROM ENTERING DRAIN BODY BY SEALING DRAIN OPENING PRIOR TO START OF WORK.
- FIRE SEAL AROUND PIPING PENETRATIONS OF FIRE RATED WALLS. REFERENCE SPECIFICATION.
- PROVIDE SLEEVES AND/OR OPENINGS TO RUN PIPES THROUGH FOUNDATIONS, FLOORS, WALLS, AND ROOF.
- FIELD VERIFY ALL NEW WATER, WASTE, AND VENT PIPING CONNECTIONS AND PROVIDE NEW CONNECTIONS AS REQUIRED FOR PROPERLY OPERATING SYSTEMS.



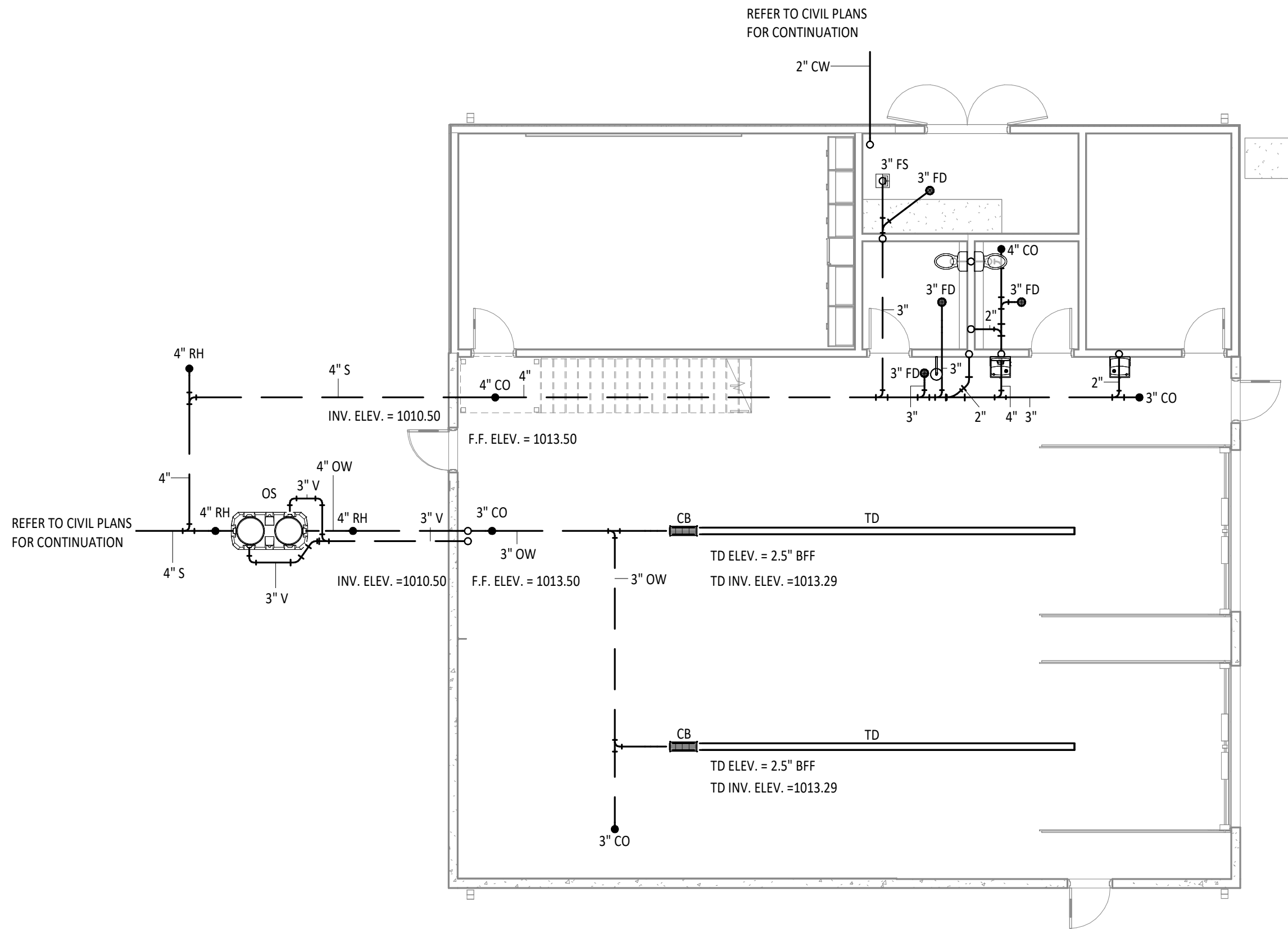
SHENANDOAH SCHOOL CORPORATION NEW TRANSPORTATION CENTER

ISSUANCES/REVISIONS
CONSTRUCTION DOCUMENTS 09/02/2005

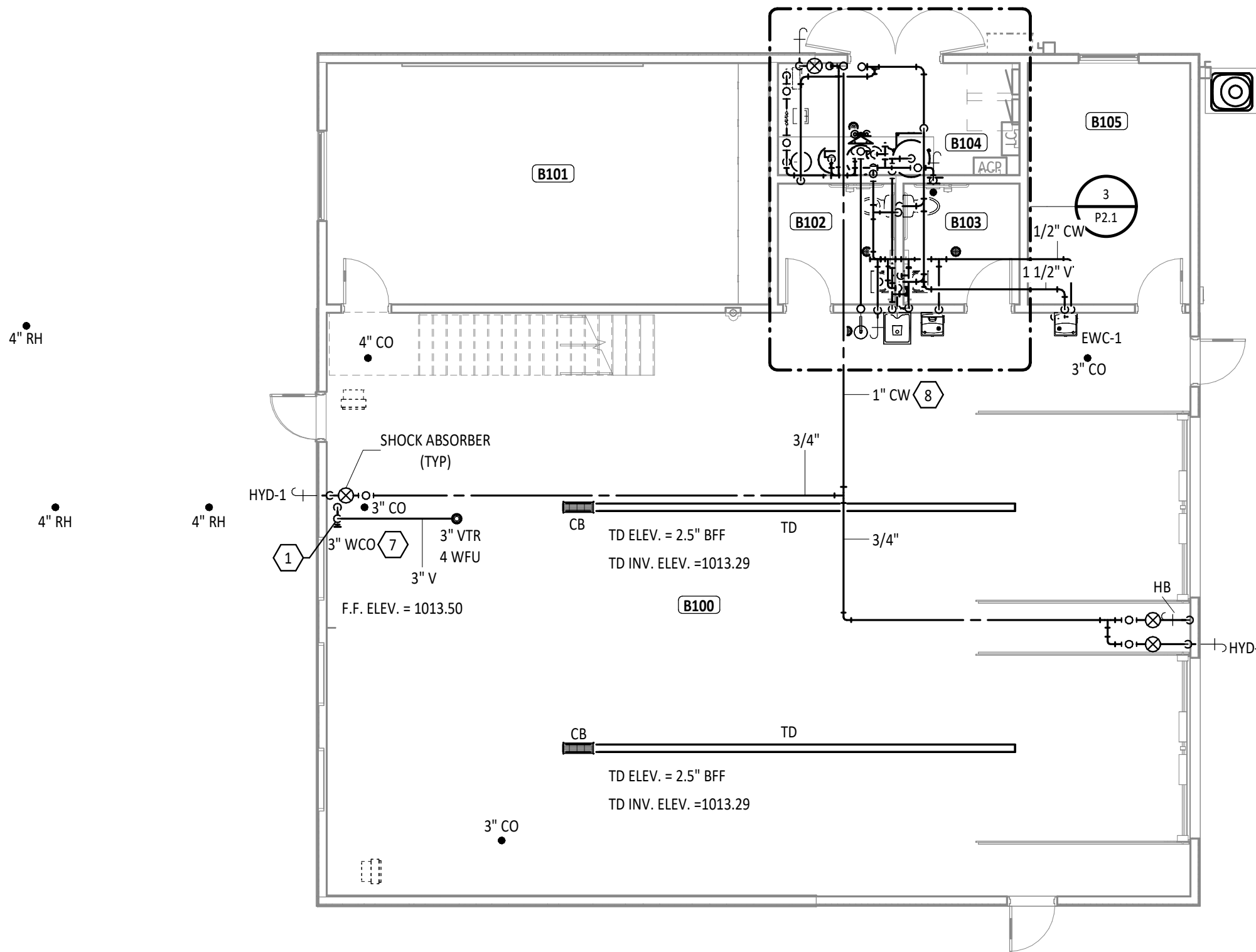
PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
25107.00	AJB	LGW

GENERAL NOTES, ABBREVIATIONS, LEGENDS AND SHEET INDEX

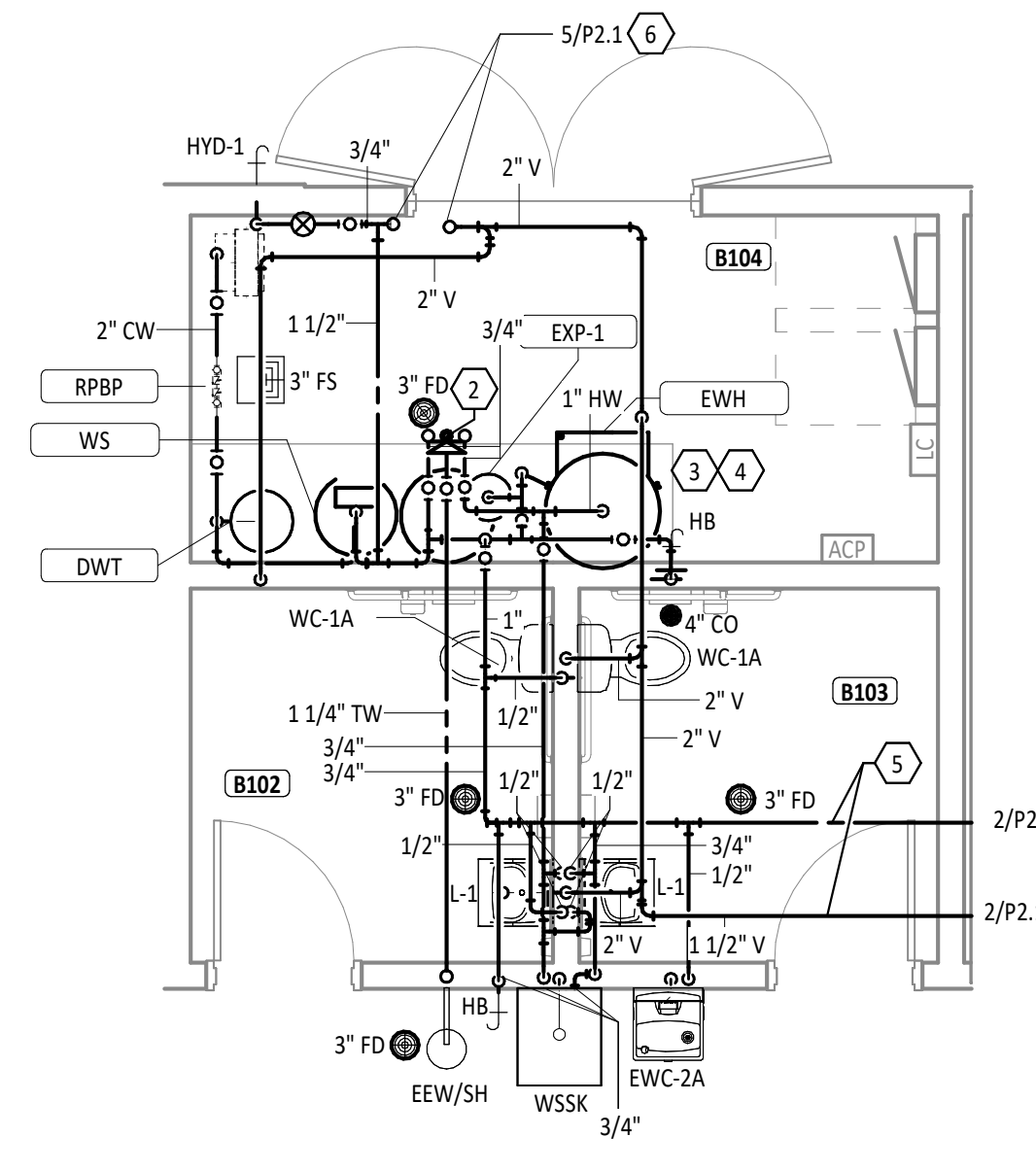
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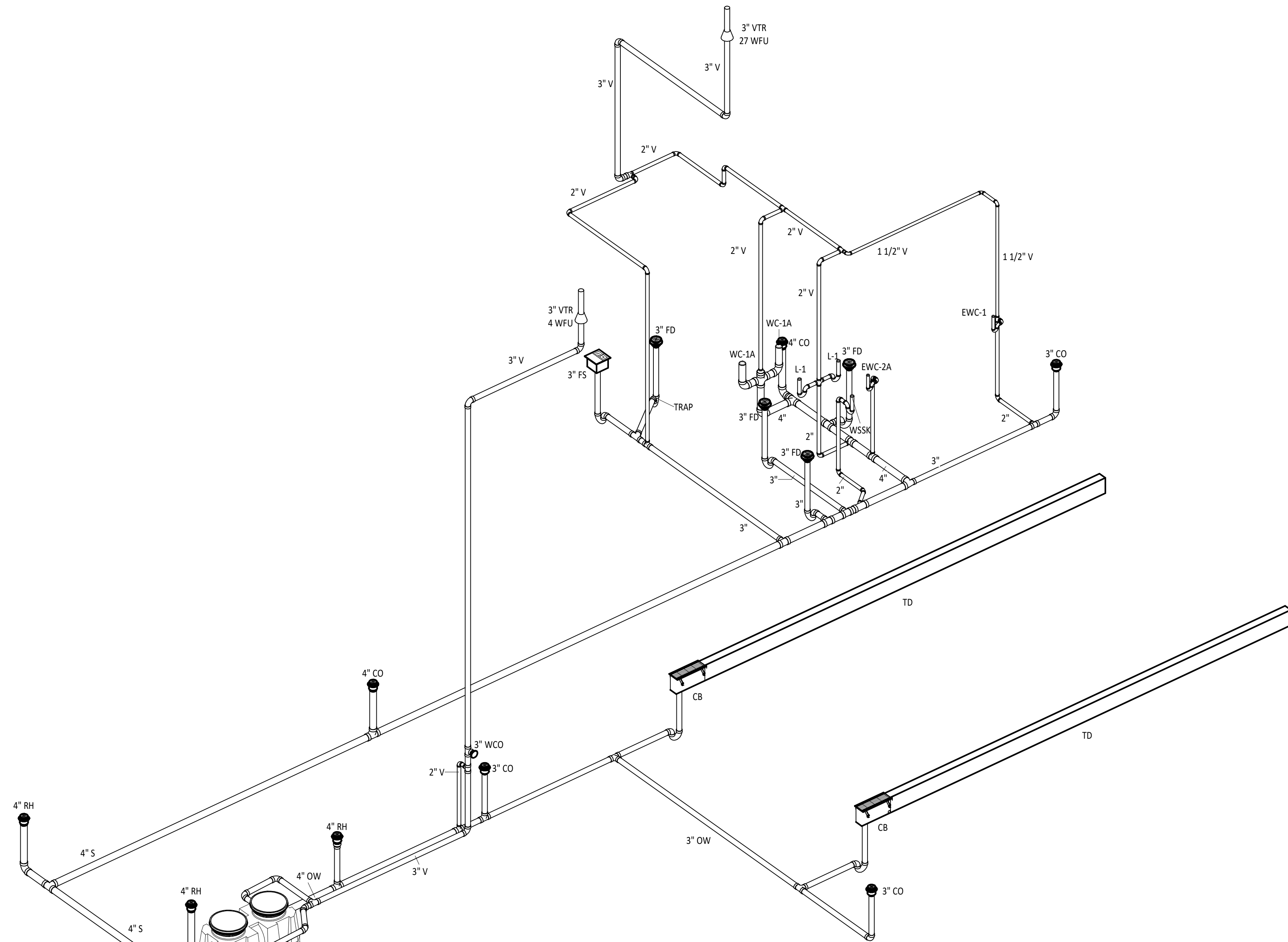
1 UNDER-SLAB PLUMBING PLAN - UNIT B
1/8" = 1'-0"



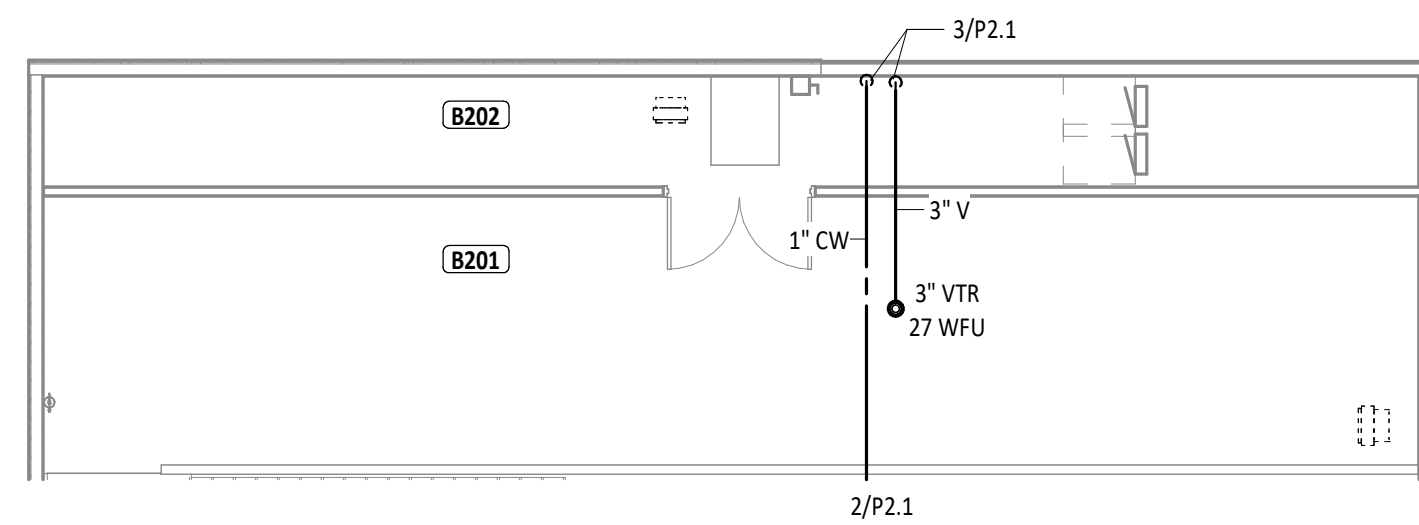
2 FIRST FLOOR PLUMBING PLAN - UNIT B
1/8" = 1'-0"



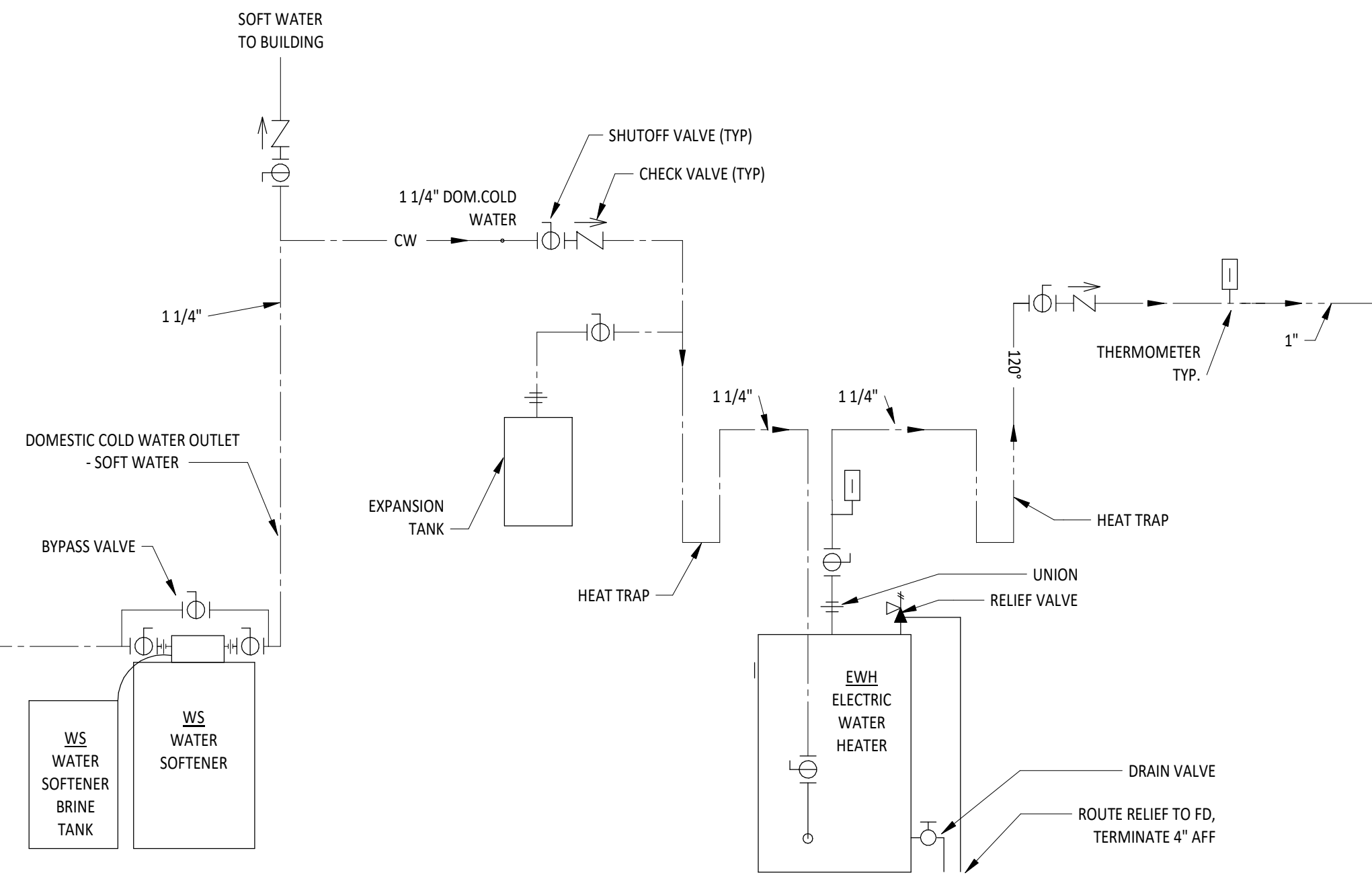
3 ENLARGED PLUMBING PLAN - B102, B103, B104
1/4" = 1'-0"



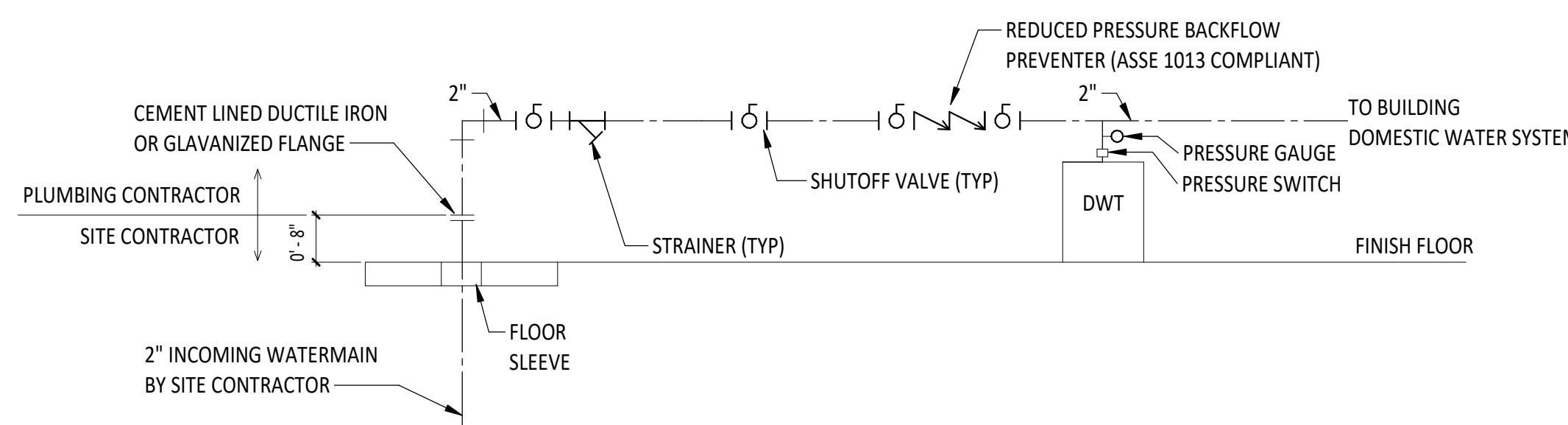
4 SANITARY ISOMETRIC - UNIT B
NTS



5 MEZZANINE PLUMBING PLAN
1/8" = 1'-0"



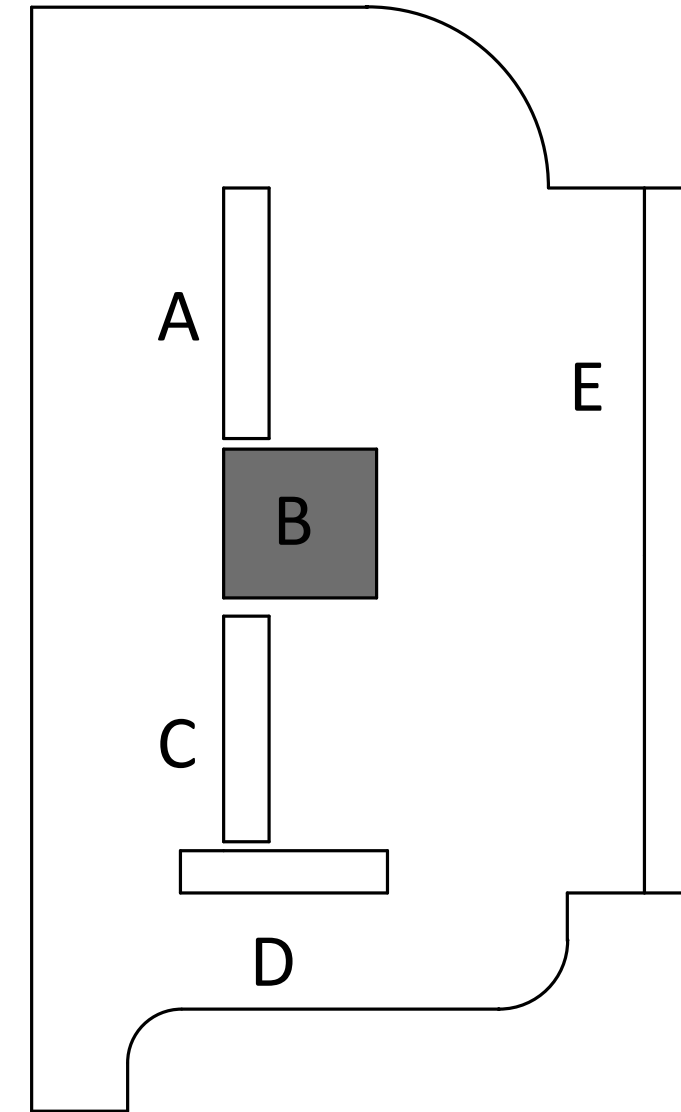
6 WATER HEATER PIPING DETAIL
NTS



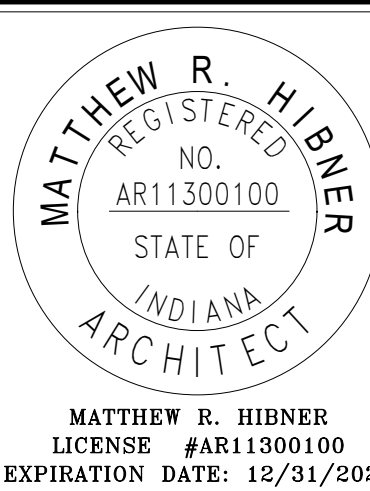
7 INCOMING WATER MAIN
NTS

ROOM INDEX - UNIT B		
ROOM NUMBER	ROOM NAME	AREA
B100	MAINTENANCE GARAGE	2,220 SF
B101	CONFERENCE ROOM	471 SF
B102	RESTROOM	62 SF
B103	RESTROOM	62 SF
B104	MECHANICAL/ELECTRICAL ROOM	119 SF
B105	OFFICE	173 SF
B201	MEZZANINE	643 SF
B202	EQUIPMENT PLATFORM	264 SF

- PLUMBING GENERAL NOTES**
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 - PROVIDE CLEANOUT IN ACCESSIBLE LOCATION AT THE BASE OF ALL PLUMBING SANITARY AND STORM RISERS.
 - WHERE FLOOR DRAINS OCCUR WITHIN THE LIMITS OF CONSTRUCTION, PREVENT CONSTRUCTION DEBRIS FROM ENTERING DRAIN BODY BY SEALING DRAIN OPENING PRIOR TO START OF WORK.
 - FIRE SEAL AROUND PIPING PENETRATIONS OF FIRE RATED WALLS. REFERENCE SPECIFICATION.
 - PROVIDE SLEEVES AND/OR OPENINGS TO RUN PIPES THROUGH FOUNDATIONS, FLOORS, WALLS, AND ROOF.
 - FIELD VERIFY ALL NEW WATER, WASTE, AND VENT PIPING CONNECTIONS AND PROVIDE NEW CONNECTIONS AS REQUIRED FOR PROPERLY OPERATING SYSTEMS.
- | # | KEYNOTE DESCRIPTION |
|---|--|
| 1 | ROUTE SANITARY VENT PIPING AS TIGHT AS POSSIBLE TO WALL. |
| 2 | LOCATE THERMOSTATIC MIXING VALVE FOR THE EEW/SH IN ACCESSIBLE LOCATION. |
| 3 | DIVISION 22 PLUMBING CONTRACTOR SHALL PROVIDE 3-1/2" CONCRETE HOUSEKEEPING PAD FOR PLACEMENT OF PLUMBING EQUIPMENT. COORDINATE WORK WITH GENERAL CONTRACTOR. |
| 4 | REFERENCE DETAIL 6/P2.1 FOR WATER SOFTENER AND WATER HEATER PIPING. |
| 5 | ROUTE PIPING THROUGH FLOOR JOIST. COORDINATE WITH STRUCTURAL REQUIREMENTS. |
| 6 | ROUTE SANITARY VENT AND DOMESTIC COLD WATER TIGHT TO WALL FROM FIRST FLOOR TO MEZZANINE ABOVE. |
| 7 | PROVIDE A WALL CLEAN OUT IN VENT PIPING FOR ACCESS TO UNDERGROUND VENT PIPING. |
| 8 | ROUTE DOMESTIC COLD WATER TIGHT TO CEILING. |



KEY PLAN



SHENANDOAH SCHOOL CORPORATION NEW TRANSPORTATION CENTER

ISSUANCES/REVISIONS	
CONSTRUCTION DOCUMENTS	09/02/2025

PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
25107.00	AJB	LGW

SHEET TITLE:
**UNDER-SLAB AND
FIRST FLOOR
PLUMBING PLAN -
UNIT B**

SHEET NUMBER:
P2.1

DOMESTIC FIXTURE SCHEDULE																									
ID	DESCRIPTION	MANUFACTURER	MODEL	QTY	MATERIAL DESCRIPTION	FINISH	MOUNTING HEIGHT	DEPTH	ADA	TRIM			FLOW FIXTURE				FLUSH FIXTURE				HOT WATER ROUGH-IN PIPE SIZE	SPECIFICATION			
										MANUFACTURER	MODEL	TYPE	MOTION SENSOR CONTROL	WATER FLOW	COLD WATER TEMP.	WASTE TEMP.	MAX. MIXED WATER TEMP.	VOL. PER FLUSH	MIN. VOL. PER FLUSH	WASTE ROUGH-IN PIPE SIZE			INDIRECT WASTE PIPE SIZE	VENT PIPE SIZE	COLD WATER ROUGH-IN PIPE SIZE
EEW/SH	EMERGENCY EYE/FACE WASH SAFETY SHOWER	BRADLEY	S19314DCBF	1	GALVANIZED STEEL	SAFETY YELLOW COATING	84" TO SHOWER HEAD		Yes				No	22.00 GPM	40° F	120° F	40° F			3"	---	1-1/2"	1-1/4"	COMBINATION DRENCH SHOWER, EYE WASH UNIT, BARRIER FREE, FLOOR MOUNTED. 22 GPM SPINTEC SHOWERHEAD WITH PULL ROD AND TRIANGULAR HANDLE. BARRIER FREE EYE/FACE WASH, 10" STAINLESS STEEL BOWL WITH HINGED DUST COVER. PROVIDE THERMOSTATIC MIXING VALVE EQUAL TO BRADLEY NAVIGATOR MODELS S19-2100. SET OUTLET TEMP. TO 85 DEG. F.	
EW-1	WATER COOLER	ELKAY	LVRGCRN8F	1	STAINLESS STEEL	STAINLESS STEEL CABINET	40" TO SPOUT		No				No	0.13 GPM	40° F		40° F			2"	---	1-1/2"	1/2"	SINGLE LEVEL WALL HUNG WATER COOLER. THE UNIT SHALL BE COMPLETE WITH CABINET, MOUNTING FRAME, SELF CLOSING EASY TOUCH SIDE AND FRONT PUSHBAR CONTROLS, VANDAL RESISTANT BUBBLER, FILTER, REFRIGERATING SYSTEM, AIR COOLED, 120 VOLT, 60 CYCLE, SINGLE PHASE POWER CONNECTION, FULLY AUTOMATIC, COMPLETE AND READY TO OPERATE.	
EW-2A	WATER COOLER W/ BOTTLE FILLER - ADA	ELKAY	LVRGCRN8WSK	1	STAINLESS STEEL	STAINLESS STEEL CABINET	36" TO SPOUT		Yes				Yes	0.13 GPM	40° F		40° F			2"	---	1-1/2"	1/2"	SINGLE LEVEL WALL HUNG WATER COOLER WITH BOTTLE FILLER. THE UNIT SHALL BE COMPLETE WITH CABINET, MOUNTING FRAME, SELF CLOSING EASY TOUCH SIDE AND FRONT PUSHBAR CONTROLS, VANDAL RESISTANT BUBBLER, FILTER, REFRIGERATING SYSTEM, AIR COOLED, 120 VOLT, 60 CYCLE, SINGLE PHASE POWER CONNECTION, FULLY AUTOMATIC, COMPLETE AND READY TO OPERATE.	
HB	HOSE BIBB			3	STAINLESS STEEL	STAINLESS STEEL	36" AFF			ZURN	Z1341-XL	MANUAL	No	2.50 GPM	40° F		40° F						3/4"	EXPOSED INTERIOR HOSE BIBB WITH VACUUM BREAKER, 3/4" HOSE THREAD OUTLET, LOCK SHIELD CAP, AND REMOVABLE WHEEL HANDLE. PROVIDE SHUTOFF VALVE IN COLD WATER SUPPLY AHEAD OF HOSE BIBB.	
HYD-1	EXTERIOR WALL HYDRANT			3	BRONZE	POLISHED BRONZE	1' 6" AFF			ZURN	Z1310-P8	MANUAL	No	2.50 GPM	40° F		40° F						3/4"	NON-FREEZE TYPE WALL HYDRANT WITH REMOVABLE TEE HANDLE, VALVE AND SHOCK ABSORBER ON THE INSIDE OF THE WALL LOCATED IN ACCESSIBLE LOCATION, SPOUT WITH BACKFLOW PREVENTER. MAKE ARRANGEMENTS WITH THE GENERAL CONTRACTOR TO PROVIDE THE NECESSARY RECESS IN THE WALL. PROVIDE SHUTOFF VALVE WITH REMOVABLE TEE HANDLE IN ACCESSIBLE LOCATION.	
L-1	LAVATORY - WALL HUNG - ADA	ZURN	Z5340	2	WHITE VITREOUS CHINA	WHITE	34" TO RIM	0' - 6 1/2"	Yes	ZURN	Z81101-XL	MANUAL	No	0.35 GPM	40° F	120° F	105° F			---	2"	---	1/2"	1/2"	LAVATORY: WALL HUNG LAVATORY, CONCEALED ARM SUPPORTS, OVERFLOW, FAUCET LEDGE, 4" CENTERS, GRID STRAINER. FAUCET: DECK-MOUNTED MANUAL FAUCET WITH VANDAL RESISTANT SPRAY, EXTERNAL ASSE 1070 COMPLIANT THERMOSTATIC MIXING VALVE, GRID DRAIN, ANGLE STOPS AND SUPPLIES. INSULATE WATER AND WASTE WITH ADA INSULATION KIT. MOUNT AT ADA COMPLIANT HEIGHT.
WC-1A	WATER CLOSET - FLOOR MOUNT - TANK TYPE - ADA	AMERICAN STANDARD	Z15AA-004	2	WHITE VITREOUS CHINA	WHITE	17" TO RIM		Yes	TANK TYPE			No		40° F		40° F	1.6 gal	1.6 gal	4"	---	2"	1/2"	ELONGATED FLOOR MOUNTED TANK TYPE WATER CLOSET, WITH CHURCH 295CT ELONGATED OPEN FRONT SEAT. PROVIDE A 1/4" BRASS BALL VALVE AT WALL CONNECTION. INSTALL AT ADA COMPLIANT HEIGHT.	
WSSK	WALL SERVICE SINK	ZURN	MS2620-W	1	MOLDED HIGH DENSITY COMPOSITE	WHITE	37" TO SPOUT	1' - 1"	No	ZURN	Z843M1-XL-CS	MANUAL	No	2.50 GPM	40° F	120° F	105° F			---	2"	---	3/4"	3/4"	WALL SERVICE SINK: 23"x21"x37" SINGLE COMPARTMENT SINK, MULTIPURPOSE SINK, WALL MOUNTED, PROVIDE FILLER PANEL WITH SINK. FAUCET: WALL MOUNTED, VANDAL RESISTANT COLOR CODED LEVER HANDELS, 6" SPOUT, WALL BRACE, PAIL HOOK, INTEGRAL SERVICE STOPS, CHECK STOPS AND ATMOSPHERIC VACUUM BREAKER SPOUT.

CLEAN OUT SCHEDULE									
ID	DESCRIPTION	MANUFACTURER	MODEL	QTY	MATERIAL	FINISH DESCRIPTION	PIPE ACCESSORY DIAMETER	SPECIFICATION	
CO	FLOOR CLEANOUT	ZURN	ZN1400-821	3	DURA-COATED CAST IRON	POLISHED NICKEL BRONZE	3"	ROUND FLOOR CLEAN OUT WITH ADJUSTABLE COVER, THREADED CONNECTION, GAS AND WATER TIGHT SEAL. COVER TO BE FLUSH WITH FINISHED FLOOR.	
CO	FLOOR CLEANOUT	ZURN	ZN1400-821	2	DURA-COATED CAST IRON	POLISHED NICKEL BRONZE	4"	ROUND FLOOR CLEAN OUT WITH ADJUSTABLE COVER, THREADED CONNECTION, GAS AND WATER TIGHT SEAL. COVER TO BE FLUSH WITH FINISHED FLOOR.	
RH	RODDING HOLE	ZURN	Z1474	3	CAST IRON	CAST IRON	4"	ROUND FRAME WITH SOLID TOP COVER. SET COVER FLUSH WITH GRADE. REFER TO DETAIL FOR ADDITIONAL INFORMATION.	
WCO	WALL CLEANOUT	ZURN	Z1446	1	DURA-COATED CAST IRON	STAINLESS STEEL	3"	7" ROUND WALL CLEAN OUT WITH SMOOTH STAINLESS STEEL WALL COVER, THREADED CONNECTION, GAS AND WATER TIGHT SEAL	

ELECTRIC WATER HEATER SCHEDULE																	
ID	MANUFACTURER	MODEL NO.	TYPE	HEATING CAP	ELECTRIC HEAT EXCHANGER				ELECTRIC HEAT EXCHANGER		UNIT WEIGHT	FLA	VOLT	PH	REMARKS		
					WATERSIDE				HEATING ELEMENT								
					STORAGE			MAX TEMP RISE	QTY	POWER							
					RECOVERY	VOL											
EW1	LOCHINVAR	LHS-119-18	ELECTRIC	18.0 kw	72.0 gal/h	119.0 gal	100 °F	6	3 kw	390 lb	50 A	208 V	3	OUTLET TEMPERATURE SHALL BE SET AT 120 DEGREES F. PROVIDE DRAIN PAN.			

DOMESTIC EXPANSION TANK SCHEDULE												
ID	MANUFACTURER	MODEL	TANK VOLUME	ACCEPTANCE VOLUME	PRESS RELIEF	DIMENSIONS		UNIT WEIGHT	REMARKS			
						DIAMETER	HEIGHT					
EXP-1	GRUNDOS	GT-12	4.8 gal	2.9 gal	40 psi	0' - 11"	1' - 2"	9 lb	DOMESTIC HOT WATER THERMAL EXPANSION TANK, FIXED BLADDER TYPE, 3/4" NPT STAINLESS STEEL CONNECTION.			

WATER SOFTENER SCHEDULE															
ID	MANUFACTURER	MODEL NO.	TYPE	WATER FLOW	PEAK FLOW (GPM)	RESIN TANKS	VOLTAGE	FLA	PHASE	LENGTH	WIDTH	HEIGHT	DIAMETER	UNIT WEIGHT	REMARKS
WS	CULLIGAN	CTM-90 DF	SINGLE	44.0 GPM	75	1	115 V	1	1	4' - 2"	1' - 8"	6' - 1 1/2"	0' - 0"	377 lb	16" TANK WITH HARD WATER BYPASS AND 2" PLUMBING ADAPTER

FLOOR DRAIN SCHEDULE												
ID	DESCRIPTION	MANUFACTURER	MODEL	QTY	MATERIAL DESCRIPTION		WASTE	VENT	PRIMER	SPECIFICATION		
					DRAIN BODY	STRAINER	PIPE SIZE	PIPE SIZE	PIPE SIZE			
FD	FLOOR DRAIN	ZURN	ZN415-B21	4	EPOXY COATED CAST IRON	NICKEL BRONZE	3"	2"	---	EPOXY COATED CAST IRON FLOOR DRAIN WITH ANCHOR FLANGE, REVERSIBLE CLAMPING COLLAR WITH PRIMARY & SECONDARY WEEPHOLES, ADJUSTABLE ROUND HEEL PROOF NICKEL BRONZE STRAINER, AND NO HUB OUTLET.		
FS	FLOOR SINK	ZURN	Z566	1	DURA-COATED CAST IRON BODY	DURA-COATED CAST IRON	3"	2"	---	12" SQUARE X 8" DEEP DURA-COATED CAST IRON SANITARY FLOOR SINK WITH LOOSE SET CAST IRON GRATE, 3/4 GRATE, CAST IRON DOME BOTTOM STRAINER, AND NO HUB OUTLET.		

TRENCH DRAIN SCHEDULE										
ID	DESCRIPTION	MANUFACTURER	MODEL	QTY	MATERIAL DESCRIPTION		WASTE	VENT	SPECIFICATION	
					DRAIN BODY	STRAINER	PIPE DIAMETER	PIPE SIZE		
CB	CATCH BASIN	ZURN	Z887-6-Y	2	HIGH DENSITY POLYETHYLENE STRUCTURAL COMPOSITE	POLISHED NICKEL BROZE STRAINER	3"	2"	20" X 6" WIDE CATCH BASIN WITH SEDIMENT BUCKET. GALVANIZED DUCTILE SLOTTED GRATE, CLASS C RATING. PROVIDE MANUFACTURER'S SHOVEL.	
TD	TRENCH DRAIN	ZURN	Z886-DI-U3-GDC	2	HIGH DENSITY POLYETHYLENE WITH DUCTILE IRON FRAME	GALVANIZED DUCTILE SLOTTED GRATE - CLASS C	3"	2"	35" X 6" WIDE PRESLOPED TRENCH DRAIN SYSTEM, HIGH DENSITY POLYETHYLENE DRAIN CHANNEL WITH MINIMUM 0.75" BOTTOM SLOPE, HEAVY DUTY IRON DUCTILE SLOTTED GRATE-CLASS C. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. REFER TO SPECIFICATIONS.	

REDUCED PRESSURE BACKFLOW PREVENTER SCHEDULE														
ID	NOMINAL DIAMETER	DESCRIPTION	MANUFACTURER	MODEL	COUNT	MATERIAL	FLUID PROPERTIES		VALVE PROPERTIES				REMARKS	
							TYPE	RATED FLOW	PRESSURE DROP AT RATED FLOW	MAXIMUM ALLOWABLE WORKING PRESSURE	MAXIMUM ALLOWABLE WORKING TEMPERATURE	HYDROSTATIC TEST PRESSURE		
RBPB	2"	DOUBLE CHECK VALVE ASSEMBLY	ZURN WILKINS	975 XL	1	BRASS	WATER	160.0 GPM	16.6 FH2O	403.7 FH2O	140 °F	807.4 FH2O	ASSE 1013 CERTIFIED, REDUCED PRESSURE BACKFLOW PREVENTER WITH FULL PORT QUARTER TURN SHUT OFF VALVES. MOUNT 3" AFF. PROVIDE AN AIR GAP WITH RELIEF PIPED TO NEAREST FLOOR SINK.	

WELL TANK SCHEDULE										
ID	MANUFACTURER	MODEL	TANK VOLUME	ACCEPTANCE VOLUME	PRESS RELIEF	DIMENSIONS		UNIT WEIGHT		REMARKS
						DIAMETER	HEIGHT			
DWT	AMTROL	WX-401C	18.0 gal	11.0 gal	175 psi	1' - 4"	2' - 7"	110 lb	SET TANK PRESSURE TO 38 PSI.	

OIL WATER SEPARATOR SCHEDULE																	
ID	MANUFACTURER	MODEL	TYPE	MATERIAL DESCRIPTION	COVER TYPE	MAXIMUM FLOW RATE	PIPE CONNECTIONS		CAPACITY			DIMENSIONS			UNIT WEIGHT	REMARKS	
							INLET PIPE DIAMETER	OUTLET PIPE DIAMETER	LIQUID	OIL	SOLIDS	LENGTH	WIDTH	HEIGHT			
OS	STRIEM	OS-100	OIL INTERCEPTOR	HIGH DENSITY POLYETHYLENE	TRAFFIC RATED	100.0 GPM	4"	4"	250.0 gal	144.0 gal	95.0 gal	5' - 8"	2' - 9"	4' - 3"	343 lb	PROVIDE MANHOLE EXTENSION AND 24" DIAMETER, H-20 TRAFFIC RATED MANHOLE COVERS	



SHENANDOAH SCHOOL CORPORATION
NEW TRANSPORTATION CENTER

ISSUANCES/REVISIONS

PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
25107.00	AJB	LGW

SHEET TITLE:

PLUMBING
SCHEDULES

SHEET NUMBER:

P5.1

- NOTE:	ABBREVIATIONS USED ON THE CONTRACT DOCUMENTS, INCLUDE BUT ARE NOT LIMITED TO THOSE LISTED BELOW.
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- CHARACTERS	
&	AND
Ø	DIAMETER/ROUND

A	AIR
AB	ABOVE BASE
ABV	ABOVE
AC	AIR CONDITIONING
ACOUS	ACOUSTICAL
AD	AREA DRAIN
ADD	ADDENDUM
ADDL	ADDITIONAL
AFF	ABOVE FINISHED FLOOR
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY
AG	ABOVE GROUND
ALT	ALTERNATE
AP	ACCESS PANEL
APPROX	APPROXIMATE
ARCH	ARCHITECT/ARCHITECTURAL
AUTO	AUTOMATIC
AV	ACID RESISTANT VENT
AW	ACID RESISTANT WASTE

B	
BFF	BELOW FINISHED FLOOR
BLDG	BUILDING
BLW	BELOW
BO	BY OTHER
BOT	BOTTOM
BSMT	BASEMENT
BTU	BRITISH THERMAL UNITS
BTUH	BRITISH THERMAL UNITS PER HOUR
BTWN	BETWEEN

C	
CAP	CAPACITY
CB	CATCH BASIN
CCW	COUNTER CLOCKWISE
CFCV	CONSTANT FLOW CONTROL VALVE
CFM	CUBIC FEET PER MINUTE
CFW	CIRCULATING HOT WATER
CI	CAST IRON
CLG	CEILING/COOLING
COL	CLEAN OUT
COL	COLUMN
COMB	COMBINATION
CONC	CONCRETE
COND	CONDENSATE
CONF	CONFERENCE
CONN	CONNECT
CONST	CONSTRUCTION
CONT	CONTINUE/CONTINUATION
CONTR	CONTRACT/CONTRACTOR
COORD	COORDINATE
CTR	CENTER
CUFT	CUBIC FEET
CV	CHECK VALVE
CW	COLD WATER
CW	CLOCKWISE

D	
D	DEGREE
DB	DRY BULB
DET	DETAIL
DI	DEIONIZED WATER
DIA	DIAMETER
DISCH	DISCHARGE
DIV	DIVISION
DMPR	DAMPER
DN	DOWN
DW	DISTILLED WATER
DWG	DRAWING

E	
E/A	EXHAUST AIR
EA	EACH
EAT	ENTERING AIR TEMPERATURE
EL	ELBOW
ELEC	ELECTRICAL
ELEV	ELEVATION
EP	EXPLOSION PROOF
EQ	EQUAL
EQUIP	EQUIPMENT
EW	ELECTRIC WATER COOLER
EW	ENTERING WATER TEMPERATURE
EXIST	EXISTING
EXP	EXPANSION JOINT
EXT	EXTERIOR

F	
F	DEGREES FAHRENHEIT
FCO	FLOOR CLEAN OUT
FD	FLOOR DRAIN/FIRE DAMPER
FDV	FIRE DEPARTMENT VALVE
FHC	FIRE HOSE CABINET
FL	FLOOR
FLEX	FLEXIBLE
FLG	FLANGE
FO	FUEL OIL
FOR	FUEL OIL RETURN
FOS	FUEL OIL SUPPLY
FOV	FUEL OIL VALVE
FS	FEET PER MINUTE
FRP	FIBERGLASS REINFORCED PIPE
FS	FULL SIZE/FLOOR SINK
FT	FOOT/FEET
FTG	FOOTING
FTR	FIN TUBE RADIATION
FUT	FUTURE

G	
GA	GAGE/GAUGE
GAL	GALLON
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GEN	GENERATOR
GENL	GENERAL
GPM	GALLONS PER MINUTE
GR	GRADE
GW	GREASE WASTE

H	
HB	HOSE BIB
HD	HEAD
HORZ	HORIZONTAL
HP	HORSE POWER/HIGH PRESSURE
HTR	HEATING
HTR	HEATER
HW	HOT WATER
HYD	HYDRANT

I	
ID	INDIRECT
IN	INCH
INL	INLET
INSUL	INSULATION
INT	INTERIOR
INV	INVERT
INWG	INCHES WATER GAUGE

J	
JST SPC	JOIST SPACE
JT	JOINT

L	
LAB	LABORATORY
LAT	LEAVING AIR TEMPERATURE
LB	POUND
LB/HR	POUNDS PER HOUR
LF	LINEAL FOOT
LP	LOW PRESSURE
LPG	LIQUEFIED PETROLEUM GAS
LR	LIQUID REFRIGERANT
LVR	LOUVER
LWT	LEAVING WATER TEMPERATURE

M	
M/A	MIXED AIR
MAN	MANUAL
MATL	MATERIAL
MAV	MANUAL AIR VENT
MAX	MAXIMUM
MBD	MOTORIZED BYPASS DAMPER
MBH	ONE THOUSAND BTU PER HOUR
MCW	MAKE-UP COLD WATER
MD	MOTORIZED DAMPER
MECH	MECHANICAL
MFR	MANUFACTURER
MH	MANHOLE
MIN	MOTORIZED BYPASS DAMPER
MISC	MISCELLANEOUS
MTR	MOTOR
MU/A	MAKE-UP/AIR

N	
N	NECK
NC	NOISE CRITERIA/NORMALLY CLOSED
NC	NOT IN CONTRACT
NO	NUMBER/NORMALLY OPEN
NOM	NOMINAL
NTS	NOT TO SCALE

O	
O	OXYGEN
O/A	OUTSIDE AIR
OC	ON CENTER
OF	OVERFLOW
OPNG	OPENING
ORD	OVERFLOW ROOF DRAIN

P	
PD	PRESSURE DROP
PIV	POST INDICATOR VALVE
PLBG	PLUMBING
PR	PAIR
PREL	PRELIMINARY
PRESS	PRESSURE
PRIM	PRIMARY
PRV	PRESSURE REDUCING VAL
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAUGE
PW	POTABLE WATER
PWR	POWER

R	
R	DUCT RISER
R/A	RETURN AIR
RCP	RADIANT CEILING PANEL
RD	ROOF DRAIN
REC	RECESSED
RED	REDUCER
REFR	REFRIGERATION
REQD	REQUIRED
REV	REVERSE
RH	RELATIVE HUMIDITY
RL/A	RELIEF AIR
RM	ROOM
RPM	REVOLUTIONS PER MINUTE
RW	RAIN WATER

S	
S/A	SUPPLY AIR
SAN	SANITARY
SCHED	SCHEDULE
SD	SMOKE DAMPER
SECT	SECTION
SF	SQUARE FOOT
SHT	SHEET
SIM	SIMILAR
SLV	SLEEVE
SM	SURFACE MOUNT
SP	STANDPIPE/STATIC PRESSURE
SPFC	SPECIFICATION
SPS	STATIC PRESSURE STATION
SQ	SQUARE
SR	SUCTION REFRIGERANT
SS	STAINLESS STEEL
SSD	SOIL SUBDRAIN
STD	STANDARD
STM	STEAM
STRUCT	STRUCTURAL
SUCT	SUCTION
SUSP	SUSPENDED

T	
T	THERMOSTAT
TCP	TEMPERATURE CONTROL PANEL
TD	TEMPERATURE DROP
TDR	TRENCH DRAIN
TEFC	TOTALLY ENCLOSED FAN COOLED
TEMP	TEMPERATURE
TYP	TYPICAL

U	
UFD	UNDER FLOOR DUCT
UG	UNDERGROUND

V	
V	VENT
VAV	VARIABLE AIR VOLUME
VEL	VELOCITY
VENT	VENTILATION
VERT	VERTICAL
VOL	VOLUME
VTR	VENT THROUGH ROOF

W	
W	WASTE
WB	WET BULB
WCO	WALL CLEAN OUT
WH	WALL HYDRANT

16"x8"	SQUARE DUCT SIZE TAG (WIDTH x HEIGHT)
16"/8"	OVAl DUCT SIZE TAG (WIDTH / HEIGHT)
16"Ø	ROUND DUCT SIZE TAG (DIAMETER)
[E]	EXISTING DUCT TAG
	DUCT BEING DEMOLISHED
S/A	SUPPLY AIR
S O/A	CONDITIONED OUTSIDE AIR
O/A	OUTSIDE AIR
R/A	RETURN AIR
T/A	TRANSFER AIR
E/A	EXHAUST AIR
L/A	RELIEF AIR
GE/A	GREASE EXHAUST AIR
SE/A	SMOKE EXHAUST AIR
FLUE	EXHAUST GAS FLUE
C/A	COMBUSTION AIR

DROP	12"	12"	RECTANGULAR SUPPLY/OUTSIDE AIR DUCT RISE
DROP	12"	12"	ROUND SUPPLY/OUTSIDE AIR DUCT RISE
DROP	12"	12"	RECTANGULAR RETURN/TRANSFER AIR DUCT RISE
DROP	12"	12"	ROUND RETURN/TRANSFER AIR DUCT RISE
DROP	12"	12"	RECTANGULAR EXHAUST/RELIEF AIR DUCT RISE
DROP	12"	12"	ROUND EXHAUST/RELIEF AIR DUCT RISE

TYPE (SEE SCHEDULE)	SD1 - 400	CFM	NECK SIZE / MODULE SIZE
3-CONE DIFFUSER	10" / 24x24	THROW 150PPM/ 100PPM/ 50PPM	THROW PATTERN
	22" / 8' / 24x24	MAX NC RATING	
PERFORATED DIFFUSER WITH DEFLECTORS	SD3 - 300	8" / 24x24	
ROUND DIFFUSER WITH ADJUSTABLE PATTERNS	SD9 - 400	12" / 12"	
LOUVERED DOUBLE DEFLECTION GRILLE	SG7 - 500	12" / 10" / 24x24	
	SG8 - 500	12" / 10" / 24x24	
	SG9 - 500	12" / 10" / 24x24	
	SG10 - 500	12" / 10" / 24x24	
	SG11 - 500	12" / 10" / 24x24	
	SG12 - 500	12" / 10" / 24x24	
	SG13 - 500	12" / 10" / 24x24	
	SG14 - 500	12" / 10" / 24x24	
	SG15 - 500	12" / 10" / 24x24	
	SG16 - 500	12" / 10" / 24x24	
	SG17 - 500	12" / 10" / 24x24	
	SG18 - 500	12" / 10" / 24x24	
	SG19 - 500	12" / 10" / 24x24	
	SG20 - 500	12" / 10" / 24x24	
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	SG24 - 500	12" / 10" / 24x24	
	SG25 - 500	12" / 10" / 24x24	
	SG26 - 500	12" / 10" / 24x24	
	SG27 - 500	12" / 10" / 24x24	
	SG28 - 500	12" / 10" / 24x24	
	SG29 - 500	12" / 10" / 24x24	
	SG30 - 500	12" / 10" / 24x24	
	SG31 - 500	12" / 10" / 24x24	
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	SG95 - 500	12" / 10" / 24x24	
	SG96 - 500	12" / 10" / 24x24	
	SG97 - 500	12" / 10" / 24x24	
	SG98 - 500	12" / 10" / 24x24	
	SG99 - 500	12" / 10" / 24x24	
	SG100 - 500	12" / 10" / 24x24	

VAV-XX	HEATING COIL FLOW
VAV-XX	VAV BOX
VAV-XX	BOTTOM OF EQUIPMENT
VAV-XX	ELEVATION
VAV-XX	EXISTING EQUIPMENT
VAV-XX	TO REMAIN
VAV-XX	EQUIPMENT BY OTHERS
VAV-XX	(REFER TO OTHER DISCIPLINE FOR ADDITIONAL INFORMATION)
RTU-XX	500 lb
RTU-XX	115000 Btu/h
RTU-XX	115 CFH

CARBON DIOXIDE SENSOR	TEMPERATURE & HUMIDITY SENSOR
CARBON MONOXIDE SENSOR	TEMPERATURE SENSOR
NITROGEN DIOXIDE SENSOR	THERMOSTAT
HUMIDITY SENSOR	MANUAL SWITCH
HUMIDISTAT	SENSOR

FIRE DAMPER	MANUAL BALANCING DAMPER
SMOKE DAMPER	BACKDRAFT DAMPER
MOTORIZED DAMPER	COMBINATION FIRE/SMOKE DAMPER

1 HVAC SYMBOLS

M1.1 NTS

4 EQUIPMENT ABBREVIATIONS

M1.1 NTS

AC	AIR CONDITIONING UNIT	EW	ELECTRIC WATER HEATER
ACC	AIR COOLED CONDENSER	FCU	FAN COIL UNIT
ACC	AIR COOLING CONDENSING UNIT	FP	FIRE PUMP
AHU	AIR HANDLING UNIT	GI	GREASE INTERCEPTOR
AS	AIR SEPARATOR	GRV	GRAVITY ROOF VENTILATOR
B	BOLTER	HWP	HEATING WATER PUMP
CH	CHILLER	HXE	HEAT EXCHANGER
CT	COOLING TOWER	HRV	HEAT RECOVERY UNIT
CH	CABINET UNIT HEATER	HRU	POWER ROOF VENTILATOR
CH	CHILLER	RE	RETURN EXHAUST FAN
CHWP	CHILLED WATER PUMP	RTU	ROOF UNIT
DWP	DOMESTIC WATER BOOSTER PUMP	SE	SEWER EJECTOR PUMP
DC	DIST MOUNTED COIL	SP	SUPPLY FAN
DCP	DOMESTIC WATER CIRCULATING PUMP	SP	SUMP PUMP
EF	EXPANSION TANK	UH	UNDER FLOOR WATER HEATER
ED	ELECTRIC DUCT PUMP	UH	UNDER FLOOR WATER HEATER
ET	EXPANSION TANK		



WAC GENERAL NOTES

- A REMOVE ALL UNUSED PIPING, DUCTWORK AND ACCESSORIES. DISPOSE OF THESE ITEMS OFF SITE.
- B THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING, PRIOR TO FINAL BID, ALL EXISTING CONDITIONS FOR PLUMBING AND MECHANICAL SYSTEMS WITHIN SCOPE AREA AND WITHIN CLOSE PROXIMITY OF THE SCOPE AREA.
- C DIVISION 2 MECHANICAL CONTRACTOR IS REQUIRED TO COORDINATE DIFFUSER AND GRILL LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLANS.
- D ALL EQUIPMENT LOCATED ABOVE CEILING REQUIRING MAINTENANCE SHALL BE INSTALLED WITHIN (2) FEET OF THE CEILING FOR MAINTENANCE PURPOSES. DO NOT INSTALL UNITS ABOVE LIGHTS AND CEILING SPEAKERS. COORDINATE LOCATION WITH ARCHITECTURAL REFLECTED CEILING PLAN AND GENERAL CONTRACTOR.
- E ANY BALANCING DAMPERS OR OTHER DEVICES IN DUCTS ABOVE HARD CEILINGS SHALL BE LOCATED ABOVE NEAREST ACCESSIBLE CEILING.
- F THIS CONTRACTOR SHALL BE REQUIRED TO REPLACE FILTERS ON HVAC EQUIPMENT AFTER ALL START PRODUCING CONSTRUCTION HAS BEEN COMPLETED AND PRIOR TO THE FINAL PUNCH.
- G LOCATE DUCTWORK AND MECHANICAL EQUIPMENT AHEAD FROM THE SPACE ABOVE ELECTRICAL PANELS, TRANSFORMERS AND OTHER ELECTRICAL EQUIPMENT.
- H CONTRACTOR SHALL LOCATE THERMOSTATS AND TEMPERATURE SENSORS AT 3'-8" AHEAD OF THE FACE OF 4" MINIMUM INSULATION.
- I CONDENSATE DRAINS SHALL BE SUPPLIED FOR ALL COOLING EQUIPMENT. CONTRACTOR SHALL ENSURE PROPER INSTALLATION AND DRAINAGE AS REQUIRED BY FEDERAL, STATE, AND LOCAL CODES. CONDENSATE PIPING SHALL BE TYPE "L" COPPER.
- J ALL SUPPLY, RETURN, AND EXHAUST DUCTWORK SHALL BE RATED FOR PRESSURE CLASS OF 2" W.G. UNLESS NOTED OTHERWISE.
- K WORKING FLOOR DRAINAGE OCCUR WITHIN THE LIMITS OF CONSTRUCTION. PREVENT CONSTRUCTION DEBRIS FROM ENTERING DRAIN BAY/ BY SEALING DRAIN OPENING PRIOR TO START OF WORK. UNSEAL DRAINS AT COMPLETION OF CONSTRUCTION.
- L COORDINATE INSTALLATION OF PIPING, DUCTWORK, CONDUIT, LIGHTS, CABLE TRAY, STRUCTURE, AND EQUIPMENT TO PREVENT CONFLICTS.
- M THE CONTRACTOR SHALL BE FAMILIAR WITH ALL THE CONDITIONS BOTH EXISTING AND THOSE TO BE CREATED BY THE PROJECT. THE CONTRACTOR SHALL BE AWARE THAT THE FOLLOWING ARE REASONABLY ANTICIPATED INCLUDING, BUT NOT LIMITED TO ARCHITECTURAL, ELECTRICAL, VENTILATION, PLUMBING, AND OTHER SYSTEMS INVOLVED ON THIS PROJECT.
- N FINAL PROJECT SHALL BE A COMPLETE AND FUNCTIONING SYSTEM, AND SHALL CONFORM TO ALL REQUIREMENTS OF APPLICABLE FEDERAL, STATE, AND LOCAL CODES INCLUDING BUT NOT LIMITED TO THE INTERNATIONAL BUILDING CODE AND INTERNATIONAL MECHANICAL CODE.
- O ADJUST PIPING AND DUCTWORK SIZES TO PROPERLY CONFORM TO MECHANICAL EQUIPMENT.
- P INSTALL ALL INSTALLATION IN ACCORDANCE WITH THE RESPECTIVE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS, AT A LEVEL OF QUALITY AND WORKMANSHIP CONSISTENT WITH THE SPECIFICATIONS.
- Q LOCATIONS OF PIPING, DUCTWORK AND EQUIPMENT AS INDICATED ON THE DRAWING, ARE APPROXIMATE AND SUBJECT TO MINOR ADJUSTMENTS IN THE FIELD. WORK SHALL BE COORDINATED WITH ALL OTHER TRADES TO AVOID INTERFERENCE IN THE FIELD. CONSULT ENGINEER IF MANUFACTURER'S MINIMUM CLEARANCE REQUIRED CAN'T BE MAINTAINED.
- R INSTALL EXPOSED PIPING AND DUCTWORK AS HIGH AS PRACTICAL IN ROOMS WITHOUT CEILINGS, WHEN NOT OTHERWISE NOTED ON DRAWINGS.

#	KEYNOTE LEGEND
1	ROUTE CONDENSING PIPING TO EXHAUST FLOOR DRAIN IN MECHANICAL ROOM BELOW. TERMINATE ABOVE FLOORING. CUT END OF PIPE AT 45 DEGREE ANGLE.
2	ROUTE REFRIGERANT PIPING HIGH IN SPACE. COORDINATE INSTALLATION WITH GENERAL CONTRACTOR.
3	INSULATE SHEET METAL PLENUM BEHIND WALL LOUVER PER SPECIFICATIONS. DUCT SHALL BE OPEN TO PLENUM ABOVE CEILING.
4	DIVISION 23 HVAC CONTRACTOR SHALL SIZE AND ROUTE REFRIGERANT PIPING TO MECHANICAL CONDENSING UNIT. PROVIDE MOUNTING UNITS AS RECOMMENDED BY UNIT MANUFACTURER. ROUTING SHALL BE COORDINATED WITH OTHER UTILITIES. EXTERIOR WALL PENETRATIONS SHALL BE SEALED WATER TIGHT. PIPING TO RUN ALONG EXTERIOR WALL IN PVC COVER, COORDINATE COLOR WITH ARCHITECTURAL DRAWINGS.
5	5-1/2" THICK SKEEPING PAD BY DIVISION 23 MECHANICAL CONTRACTOR.
6	PROVIDE 6" DIA DUCT THROUGH WALL. PROVIDE METAL EXHAUST GRILLE MODEL MEQ OR EQUIVALENT.
7	PROVIDE AND INSTALL CONTRACT DAMPER IN DUCTWORK PLENUM BEHIND WALL LOUVER. CONTRACT DAMPER SHALL BE 15V/15V/1PH AND SHALL BE NORMALLY CLOSED AND OPEN UPON ACTIVATION OF EXHAUST FAN FL-1. TOP MOUNTING HEIGHT AT APPROXIMATELY 15" AFF. COORDINATE WORK WITH GENERAL CONTRACTOR AND EXTERIOR ELEVATIONS. COORDINATE WITH BOARD INSULATION.
8	PROVIDE MOTORIZED 15V/15V/1PH LINE VOLTAGE CONTRACT DAMPER INLINE WITH EXHAUST FAN. DAMPER TO BE NORMALLY CLOSED AND OPEN UPON ACTIVATION OF ASSOCIATED EXHAUST FAN. TOP MOUNTING HEIGHT AT APPROXIMATELY 16"-18" AFF. COORDINATE WORK WITH GENERAL CONTRACTOR AND EXTERIOR ELEVATIONS.
9	TWO POSITION AUTOMATIC CONTRACT DAMPER AND MANUAL BALANCE DAMPER IN CURTAIN (CA) INTAKE DUCT. THE AUTOMATIC CONTRACT DAMPER SHALL BE CONTROLLED BY THE AIR HANDLING UNIT CONTRACT. SYSTEM TO OPEN WHEN THE AIR HANDLING UNIT OPERATES. MANUAL BALANCE DAMPER SHALL BE BALANCED TO VALUE LISTED ON THE OUTSIDE AIR SCHEDULE.
10	MOUNT FB BELOW FLOOR JOISTS. COORDINATE LOCATION WITH GENERAL CONTRACTOR AND OTHER UTILITIES.
11	DUCTWORK SHALL RUN IN JOIST SPACE AND RISE TO MEZZANINE ABOVE. COORDINATE LOCATION WITH GENERAL CONTRACTOR AND OTHER UTILITIES.



SHEET NUMBER:

M2.1

AIR HANDLER UNIT SCHEDULE																																	
ID	MANUFACTURER	MODEL NO.	ARRANGEMENT	SUPPLY AIR		OUTSIDE AIR		FAN						COIL (COOLING MODE)						COIL (HEATING MODE)			SUPPLEMENTAL	FILTER		UNIT WEIGHT	MCA	MOCP	VOLT	PH	INTERLOCK		REMARKS
				FLOW	CFM	FLOW	CFM	TYPE	PRESS	DRIVE	MOTOR			NOMINAL	CAP	AIRSIDE				CAP	AIRSIDE			HEAT	TYPE						EFF		
											ESP	TYPE	QTY			POWER	ECM	Lat(db)	Lat(wb)		EAT(db)	EAT(wb)										Lat(db)	
SSH-8101a	CARRIER	FTSANV824U00	UPFLOW	650 CFM	150 CFM	VERTICAL	0.50 in-wg	DIRECT	1	0.50 hp	No	2 ton	24000 Btu/h	80.0 °F	67.0 °F	56.9 °F	55.9 °F	24260 Btu/h	70.0 °F	104.7 °F	7.5 kW	PLEATED	MERV 8	140 lb	52 A	60 A	208 V	1	SSH-101b	INTERLOCK TO OUTSIDE AIR MOTOR OPERATED DAMPER.			

SPLIT SYSTEM HEAT PUMP SCHEDULE																													
ID	DESCRIPTION	MANUFACTURER	MODEL NO.	TYPE	COMPRESSOR										DESIGN PIPE LENGTH	SUMMER AMBIENT DBT	WINTER AMBIENT DBT	SEER	EER	COP	SEACOAST PROT	SOUND PRESS LEVEL	UNIT WEIGHT	MCA	MOCP	VOLT	INTERLOCK		REMARKS
					CAP	TYPE	REFRIGERANT		MOTOR		LOW	PH	ID																
							TYPE	CHARGE	QTY	RLA				AMBIENT KIT															
SSHP-8101b	HEAT PUMP	CARRIER	27TPA824A003	VERTICAL	2 ton	SCROLL	PURON	15 lb	1	20 A	Yes	100'	90.0 °F	0.0 °F	18.5	14	4.14	No	67	362 lb	22 A	25 A	208 V	1	SSHP-101a				

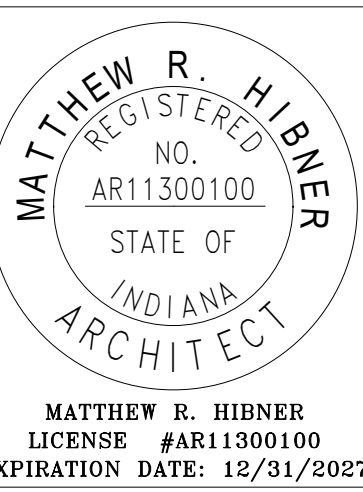
GRILLES, REGISTERS AND DIFFUSERS SCHEDULE																
ID	DESCRIPTION	MANUFACTURER	MODEL	QTY	NECK				BLADE DESIGN					INSTALLATION	NOTES	
					FACE SIZE	SIZE	WIDTH	HEIGHT	THICKNESS	SPACING	DEFLECTION ANGLE		ORIENTATION			
											SINGLE	DOUBLE				
CD1	LOUVERED FACE DIFFUSER	Titus	TDC-AA	2	24x24	10"									TYPE 3 (LAY-IN)	
CD1	LOUVERED FACE DIFFUSER	Titus	TDC-AA	1	24x24	8"									TYPE 3 (LAY-IN)	
SG	LOUVERED DOUBLE DEFLECTION GRILLE	Titus	300FL	2	---	6"	6"	1/8"	3/4"	0.0"	0.0"		DOUBLE-LONG	TYPE 1 (SURFACE)		
RG	LOUVERED GRILLE	Titus	355FL	1	24x24	10"	10"	1/8"	1/2"	35.0"			LONG	TYPE 3 (LAY-IN)		
RG	LOUVERED GRILLE	Titus	355FL	1	24x24	12"	10"	1/8"	1/2"	35.0"				TYPE 3 (LAY-IN)		

ELECTRIC UNIT HEATER SCHEDULE																						
ID	LOCATION		NO.	MANUFACTURER	MODEL NO.	TYPE	FAN		HEATING COIL		HEATING ELEMENT		UNIT DIMENSIONS		UNIT WEIGHT	MCA	MOCP	VOLT	PH	REMARKS		
	NAME	B104					AIRFLOW	DESIGN	AIRSIDE		QTY	POWER	ELEVATION	AF								
									EAT(4b)	LAT(4b)												
EUH-8101	MECHANICAL	B104	BERKO	HUHA8324	HORIZONTAL	350 CFM	60.0 °F	80.0 °F	1	2 kW	7' - 0"	25 lb	11 A	15 A	208 V	1	MOUNT FROM STRUCTURE ABOVE WITH MIN. (2) THREADED ROD. TO BE HARDWIRED BY E.C. PROVIDE LINE VOLTAGE THERMOSTAT EQUAL TO BERKO MODEL W800 AND ALL REQUIRED ITEMS. PROVIDE INTEGRAL DISCONNECT. COORDINATE WITH ELECTRICAL CONTRACTOR.					
EUH-8102	MEZZANINE STORAGE	B201	BERKO	HUHA81524	HORIZONTAL	910 CFM	60.0 °F	82.6 °F	1	11 kW	15' - 8"	56 lb	31 A	35 A	208 V	3	MOUNT FROM STRUCTURE ABOVE WITH MIN. (2) THREADED ROD. TO BE HARDWIRED BY E.C. PROVIDE LINE VOLTAGE THERMOSTAT EQUAL TO BERKO MODEL W800 WITH REQUIRED CONTACTORS TO CONTROL (3) MAINTENANCE UNIT HEATERS AND ALL REQUIRED ITEMS, ELECTRICAL CONTRACTOR TO INSTALL. PROVIDE INTEGRAL DISCONNECT. COORDINATE WITH ELECTRICAL CONTRACTOR.					
EUH-8103	MAINTENANCE BAY	B100	BERKO	HUHA81524	HORIZONTAL	910 CFM	60.0 °F	82.6 °F	1	11 kW	15' - 8"	56 lb	31 A	35 A	208 V	3	MOUNT FROM STRUCTURE ABOVE WITH MIN. (2) THREADED ROD. TO BE HARDWIRED BY E.C. PROVIDE LINE VOLTAGE THERMOSTAT EQUAL TO BERKO MODEL W800 WITH REQUIRED CONTACTORS TO CONTROL (3) MAINTENANCE UNIT HEATERS AND ALL REQUIRED ITEMS, ELECTRICAL CONTRACTOR TO INSTALL. PROVIDE INTEGRAL DISCONNECT. COORDINATE WITH ELECTRICAL CONTRACTOR.					
EUH-8104	MAINTENANCE BAY	B100	BERKO	HUHA81524	HORIZONTAL	910 CFM	60.0 °F	82.6 °F	1	11 kW	15' - 8"	56 lb	31 A	35 A	208 V	3	MOUNT FROM STRUCTURE ABOVE WITH MIN. (2) THREADED ROD. TO BE HARDWIRED BY E.C. PROVIDE LINE VOLTAGE THERMOSTAT EQUAL TO BERKO MODEL W800 WITH REQUIRED CONTACTORS TO CONTROL (3) MAINTENANCE UNIT HEATERS AND ALL REQUIRED ITEMS, ELECTRICAL CONTRACTOR TO INSTALL. PROVIDE INTEGRAL DISCONNECT. COORDINATE WITH ELECTRICAL CONTRACTOR.					
EUH-8105			BERKO	HUHA8324	HORIZONTAL	350 CFM	60.0 °F	80.0 °F	1	2 kW	5' - 6"	25 lb	11 A	15 A	208 V	1	MOUNT FROM STRUCTURE ABOVE WITH MIN. (2) THREADED ROD. TO BE HARDWIRED BY E.C. PROVIDE LINE VOLTAGE THERMOSTAT EQUAL TO BERKO MODEL W800 AND ALL REQUIRED ITEMS. PROVIDE INTEGRAL DISCONNECT. COORDINATE WITH ELECTRICAL CONTRACTOR.					

EXHAUST FAN SCHEDULE																													
ID	MANUFACTURER	MODEL NO.	TYPE	ARRANGEMENT	FAN					MOTOR		SONES	UNIT WEIGHT	FLA	MOCP	VOLT	PH	CONTROL	DISCONNECT	INTERLOCK	ACCESSORIES	REMARKS							
					AIRFLOW	PRESS	RPM	DRIVE TYPE	POWER	ECM	SPEED CONTROLLER							TYPE	ID										
					DESIGN	ESP														TYPE									
EF-8101	GREENHECK	SE1-16-436-A	SIDEWALL MOUNTED	HORIZONTAL	2400 CFM	0.40 in-wg	1750	DIRECT	1.00 hp	No	19	100 lb	11.0 A	15 A	208 V	1		YES	WL-103	BACKDRAFT DAMPER, BIRDSCREEN, 45 DEGREE WEATHERDOOR, WALL HOUSING	AUTOMATIC OPERATION BY CARBON MONOXIDE AND NO2 SENSOR. MANUAL OVERRIDE BY DIVISION 26 PROVIDED TIMER SWITCH. MOTOR OPERATED BACKDRAFT DAMPER. MOUNT BOTTOM OF FAN 14'-4" AFF. INTERLOCK TO MOTOR OPERATED DAMPER. PROVIDE LINE VOLTAGE CONTROLS AND ALL REQUIRED CONTROL ITEMS TO OPERATE THE FAN.								
EF-8102	GREENHECK	SP-A200	CEILING	ROUND OUTLET	75 CFM	0.50 in-wg	900	DIRECT	0.03 hp	No	4	24 lb	0.2 A	15 A	120 V	1		YES		BACKDRAFT DAMPER	OCCUPANCY SENSOR OPERATION BY DIVISION 26.								
EF-8103	GREENHECK	SP-A200	CEILING	ROUND OUTLET	75 CFM	0.50 in-wg	900	DIRECT	0.03 hp	No	4	24 lb	0.2 A	15 A	120 V	1		YES		BACKDRAFT DAMPER	OCCUPANCY SENSOR OPERATION BY DIVISION 26.								
EF-8104	FANTECH	RVF8XL-EC	EXHAUST	WALL MOUNT	160 CFM	0.40 in-wg	900	DIRECT	0.11 hp	Yes	8	20 lb	4.0 A	15 A	120 V	1	YES	YES		BACKDRAFT DAMPER	24/7 CONTINUOUS OPERATION WITH MANUAL SWITCH OVERRIDE BY DIVISION 26. MOUNT BOTTOM OF FAN 15'-0" AFF.								
EF-8105	GREENHECK	SP-A200	CEILING	ROUND OUTLET	125 CFM	0.50 in-wg	900	DIRECT	0.03 hp	No	4	24 lb	0.2 A	15 A	120 V	1		YES		BACKDRAFT DAMPER	CONTINUOUS OPERATION								

LOUVER SCHEDULE												
ID	SERVES	MANUFACTURER	MODEL NO.	TYPE	DESIGN AIRFLOW	PD	DIMENSIONS		DIMENSIONS TOP MOUNT HEIGHT	UNIT WEIGHT	REMARKS	
							HEIGHT	WIDTH				
WL-8101	SSH-101a	GREENHECK	EHH-501	INTAKE	150 CFM	0.06 in-wg	12"	14"	17" - 2"	10 lb		COLOR BY ARCHITECT
WL-8102	EF-102, 103 AND 105	GREENHECK	EHH-501	EXHAUST	275 CFM	0.03 in-wg	14"	26"	17" - 2"	10 lb		COLOR BY ARCHITECT
WL-8103	EF-101	GREENHECK	EHH-501	INTAKE	2400 CFM	0.05 in-wg	32"	48"	17" - 2"	71 lb		COLOR BY ARCHITECT

ASHRAE 62.1 VENTILATION RATE PROCEDURE SUMMARY													
ROOM IDENTITY	LOCATION		Occupancy Category	Area, A _z	Selected Supply Airflow	Number of People, P _z	Outdoor Airflow Rate Per Person, R _p	Outdoor Airflow Rate Per Unit Area, R _a	Zone Air Distribution Effectiveness, E _z	Breathing Zone Outdoor Airflow, V _{oz}	Required Outdoor Air Intake Flow, V _{ot}	OA Delivered	Specified Exhaust Airflow
NO.	NAME												
B101	CONFERENCE ROOM	Conference/Meeting	471 SF			12	5.0 CFM	0.06 CFM/SF	0.8	88 CFM	110 CFM		120 CFM
B105	OFFICE	Office space	173 SF			2	5.0 CFM	0.06 CFM/SF	0.8	20 CFM	25 CFM		30 CFM
AHU-101: 2			644 SF	0 CFM	14					109 CFM	136 CFM	0 CFM	150 CFM
B102	RESTROOM	(none)	62 SF										75 CFM
B103	RESTROOM	(none)	62 SF										75 CFM
B201	MEZZANINE STORAGE	(none)	643 SF										0 CFM
B202	EQUIPMENT PLATFORM	(none)	264 SF										0 CFM
Default: 4			1031 SF	0 CFM	0					0 CFM	0 CFM	0 CFM	150 CFM
B100	MAINTENANCE BAY	(none)	2219 SF										2400 CFM
GARAGE UH: 1			2219 SF	0 CFM	0					0 CFM	0 CFM	0 CFM	2400 CFM
B104	MECHANICAL	(none)	119 SF										0 CFM
MECH UH: 1			119 SF	0 CFM	0					0 CFM	0 CFM	0 CFM	0 CFM



SHERANDOAH SCHOOL CORPORATION
NEW TRANSPORTATION CENTER

5100 N. LAUREL ROAD, JORDANSTOWN, IN 47136

ISSUANCES/REVISIONS

CONSTRUCTION DOCUMENTS	09/02/2026
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PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
25107.00	AMR	MAK

SHEET TITLE:

MECHANICAL
SCHEDULES

SHEET NUMBER:

M5.1

- NOTE: ABBREVIATIONS USED ON THE CONTRACT DOCUMENTS, INCLUDE BUT ARE NOT LIMITED TO THOSE LISTED BELOW.	
A	AMPS, AMPERE, AMPERAGE
A/V	AUDIO/VISUAL
AC	ABOVE COUNTER
AC	ALTERNATING CURRENT
ADA	AMERICANS WITH DISABILITIES ACT
ATF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AIC	AVAILABLE INTERRUPTING CURRENT
AL	ALUMINUM
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE
B	
BKR	BREAKER
BTM	BOTTOM
C	
C	CONDUIT
CB	CIRCUIT BREAKER
CCT	CORRELATED COLOR TEMPERATURE
CCTV	CLOSED CIRCUIT TELEVISION
CKT	CIRCUIT
CRI	COLOR RENDERING INDEX
CU	COPPER
D	
dc	DIRECT CURRENT
DIA	DIAMETER
E	
EC	ELECTRICAL CONTRACTOR
EMT	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
EX	EXISTING
F	
FA	FIRE ALARM
FAA	FIRE ALARM ANNUNCIATOR
FACP	FIRE ALARM CONTROL PANEL
FDR	FEEDER
FLA	FULL LOAD AMPS
FUT	FUTURE
G	
GEN	GENERATOR
GFI OR GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFP OR GFPE	GROUND FAULT PROTECTION OF EQUIPMENT
GND	GROUND
H	
HOA	HAND-OFF-AUTO
HDP	HORSEPOWER
HT	HEIGHT
I	
IEEE	INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS
IG	ISOLATED GROUND
K	
KCMIL	THOUSAND CIRCULAR MILS
KV	KILOVOLT
KVA	KILOVOLT AMPS
L	
LOC	LOCATION
LSIG	LONG TIME, SHORT TIME, INSTANTANEOUS, AND GROUND FAULT PROTECTION
M	
mA	MILLIAMPS
MAX	MAXIMUM
MCA	MINIMUM CIRCUIT AMPACITY
MCC	MOTOR CONTROL CENTER
MH	MOUNTING HEIGHT
MIN	MINIMUM
MNTD	MOUNTED
MNTS	MANUAL TRANSFER SWITCH
N	
N/A	NOT APPLICABLE
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NEUT	NEUTRAL
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
O	
OH	OVERHEAD
P	
P	POLE
PA	PUBLIC ADDRESS
PC	PHOTOCCELL
PH	PHASE
PVC	POLYVINYL CHLORIDE
R	
RGS	RIGID GALVANIZED STEEL
S	
SPD	SURGE PROTECTION DEVICE
SW	SWITCH
T	
TEMP	TEMPORARY
TV	TELEVISION
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
TYP	TYPICAL
U	
UG	UNDERGROUND
UL	UNDERWRITERS' LABORATORIES
UNO	UNLESS NOTED OTHERWISE
UPS	UNINTERRUPTIBLE POWER SUPPLY
V	
V	VOLTS, VOLTAGE
VFD	VARIABLE FREQUENCY DRIVE
W	
W	WIRE
WG	WIRE GUARD
WP	WEATHER PROOF
X	
XFMR	TRANSFORMER

ABBREVIATIONS

GENERAL DRAWINGS SYMBOLS	
	KEYED NOTE REFERENCE
	REVISION NUMBER - SHOWN ON PLANS
	CONTINUATION SYMBOL
	NUMBER OF DETAIL ON SHEET
	DRAWING NUMBER WHERE DETAIL APPEARS

DEMOLITION (IF APPLICABLE)		
SYMBOL	DESCRIPTION	NOTES
	DASHED SYMBOL INDICATES EXISTING DEVICE OR EQUIPMENT TO BE REMOVED.	REFER TO DEMOLITION PLANS FOR ADDITIONAL INFORMATION
	SOLID SYMBOL, LIGHTER IN COLOR INDICATES EXISTING DEVICE OR EQUIPMENT TO REMAIN.	

NOTE: ALL SYMBOLS OR ABBREVIATIONS MAY NOT BE USED FOR THIS PROJECT AND ARE SUBJECT TO CHANGE ON OTHER DRAWINGS.

CIRCUIT AND RACEWAY SYMBOLS	
SYMBOL	DESCRIPTION
	TICK MARKS DENOTING CONDUIT IDENTIFICATION. REFER TO KEY TO ELECTRICAL CIRCUIT WIRING DETAIL FOR MORE INFORMATION.
	CIRCUIT CONCEALED IN CEILING, WALL, OR FLOOR OF NEW CONSTRUCTION. CONCEALED WHEREVER POSSIBLE IN AREAS OF OPEN STRUCTURE OR EXISTING CONSTRUCTION.
	INDICATES CONCEALED CONDUIT UNDERGROUND/UNDERFLOOR
	HOME RUN TO PANEL OR LOCATION NOTED
	SURFACE MOUNT RACEWAY. REFER TO PLANS FOR TYPE. DENOTES HORIZONTALLY MOUNTED RACEWAY DENOTES VERTICALLY MOUNTED RACEWAY CONDUIT SLEEVES ABOVE CEILING FOR TECHNOLOGY CABLING. (H) INDICATES QUANTITY, # INDICATES CONDUIT SIZE. REFER TO ARCHITECTURAL SECTIONS FOR CEILING HEIGHTS.
	LADDER TYPE CABLE TRAY. REFER TO SPECIFICATIONS FOR MORE INFORMATION.
	WIRE MESH CABLE TRAY. REFER TO SPECIFICATIONS FOR MORE INFORMATION.
	CONDUIT TURNS

LIGHTING FIXTURE SYMBOLS	
REFER TO LUMINAIRE SCHEDULE FOR ALL FIXTURE TYPES AND ADDITIONAL INFORMATION.	
SYMBOL	DESCRIPTION
	SOLID HATCH INDICATES LIGHT FIXTURE CONNECTED TO EMERGENCY CIRCUIT. HATCH WILL BE MODIFIED FOR EACH FIXTURE TYPE.
	CAPITAL LETTER INDICATES FIXTURE TYPE LOWERCASE LETTER INDICATES SWITCHING
	RECESSED MOUNTED LUMINAIRE; APPROXIMATE SIZE AS INDICATED ON PLANS.
	SURFACE OR SUSPENDED MOUNT LUMINAIRE; APPROXIMATE SIZE AS INDICATED ON PLANS.
	RECESSED MOUNTED DOWNLIGHT LUMINAIRE. DIRECTIONAL ARROW INDICATES AIMABLE FIXTURE TYPE.
	SURFACE MOUNTED DOWNLIGHT LUMINAIRE.
	PENDANT MOUNT LUMINAIRE; APPROXIMATE SIZE AS INDICATED ON PLANS.
	STRIP LIGHT LUMINAIRE.
	PENDANT MOUNT LUMINAIRE; APPROXIMATE SIZE AS INDICATED ON PLANS.
	RECESSED MOUNTED ROUND TYPE LUMINAIRE; APPROXIMATE SIZE AS INDICATED ON PLANS.
	TRACK MOUNTED LUMINAIRES. PROVIDE TRACK LENGTH AND QUANTITY OF FIXTURES AS INDICATED ON PLANS. AIM AS INDICATED ON PLANS.
	EXTERIOR WALL PACK LUMINAIRE.
	WALL MOUNTED LUMINAIRE.
	EMERGENCY BATTERY PACK LUMINAIRE.
	SINGLE OR DOUBLE (AS INDICATED) EMERGENCY REMOTE HEAD.
	WALL MOUNTED EXIT SIGN, ARROWS AND EMERGENCY LIGHTS AS INDICATED. SHADED AREA INDICATES FACE LOCATION(S).
	CEILING MOUNTED EXIT SIGN, ARROWS AND EMERGENCY LIGHTS AS INDICATED. SHADED AREA INDICATES FACE LOCATION(S).
	FLOOD LIGHT LUMINAIRE.
	LIGHTED BOLLARD
	DECORATIVE POLE TOP AREA LUMINAIRE.
	POLE MOUNT LUMINAIRE. NUMBER OF HEAD(S)/TYPE(S) AS INDICATED.

LIGHTING CONTROL SYMBOLS	
SYMBOL	DESCRIPTION
	SINGLE POLE SWITCH, 20A, 120/277V WITH COVERPLATE.
	THREE-WAY SWITCH, 20A, 120/277V WITH COVERPLATE.
	FOUR-WAY SWITCH, 20A, 120/277V WITH COVERPLATE.
	SINGLE POLE PILOT LIGHT SWITCH, 20A, 120/277V WITH COVERPLATE.
	KEY OPERATED SINGLE POLE SWITCH, 20A, 120/277V WITH COVERPLATE.
	KEY OPERATED THREE-WAY SWITCH, 20A, 120/277V WITH COVERPLATE.
	KEY OPERATED FOUR-WAY SWITCH, 20A, 120/277V WITH COVERPLATE.
	OCCUPANCY SENSOR SWITCH.
	OCCUPANCY SENSOR DIMMING SWITCH.
	NETWORKED LOW VOLTAGE SWITCHES. REFERENCE SPECIFICATIONS AND ASSOCIATED DETAIL FOR TYPES.
	WALL MOUNTED OCCUPANCY SENSOR.
	CORNER MOUNTED OCCUPANCY SENSOR.
	CEILING MOUNTED OCCUPANCY SENSOR. DETECTION AND COVERAGE TYPE AS DETERMINED BY THE MANUFACTURER. WATTSTOPPER # DT-300 OR EQUAL.
	CEILING MOUNTED DAYLIGHT SENSOR.
	WALL MOUNTED OUTDOOR PHOTOCCELL.
	LIGHTING CONTACTOR. REFERENCE SPECIFICATIONS.

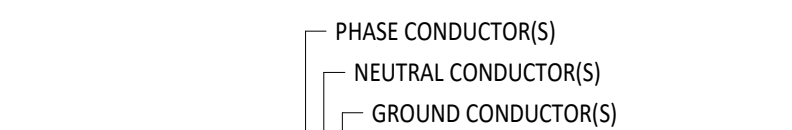
WIRING DEVICE SYMBOLS	
SYMBOL	DESCRIPTION
	SOLID HATCH INDICATES DEVICE CONNECTED TO EMERGENCY POWER. PROVIDE RED DEVICE WITH COVERPLATE TO MATCH REST OF ROOM.
	DUPLEX RECEPTACLE, 20A, 125V, NEMA 5-20R, WITH COVERPLATE MOUNTED VERTICALLY.
	DUPLEX RECEPTACLE, 20A, 125V, NEMA 5-20R, WITH COVERPLATE. EXTRA LINE INDICATES DEVICE TO BE MOUNTED HORIZONTALLY.
	DOUBLE DUPLEX RECEPTACLE, 20A, 125V, NEMA 5-20R, WITH COMMON COVERPLATE.
	SINGLE RECEPTACLE, 20A, 125V, NEMA 5-20R, WITH COVERPLATE MOUNTED VERTICALLY.
	DEAD-FRONT GFCI DEVICE, 20A, 125V, WITH COVERPLATE MOUNTED VERTICALLY.
	SPECIAL PURPOSE RECEPTACLE WITH COVERPLATE. REFER TO PLANS FOR TYPE.
	DUPLEX RECEPTACLE, 20A, 125V, NEMA 5-20R, WITH COVERPLATE MOUNTED VERTICALLY.
	DUPLEX RECEPTACLE, 20A, 125V, NEMA 5-20R, WITH COVERPLATE. EXTRA LINE INDICATES DEVICE TO BE MOUNTED HORIZONTALLY.
	DOUBLE DUPLEX RECEPTACLE, 20A, 125V, NEMA 5-20R, WITH COMMON COVERPLATE.
	SINGLE RECEPTACLE, 20A, 125V, NEMA 5-20R, WITH COVERPLATE MOUNTED VERTICALLY.
	DEAD-FRONT GFCI DEVICE, 20A, 125V, WITH COVERPLATE MOUNTED VERTICALLY.
	IN FLOOR SINGLE RECEPTACLE. TYPE AS INDICATED ON PLANS.
	IN FLOOR DUPLEX RECEPTACLE. TYPE AS INDICATED ON PLANS.
	IN FLOOR DOUBLE DUPLEX RECEPTACLE. TYPE AS INDICATED ON PLANS.
	IN FLOOR SPECIAL PURPOSE RECEPTACLE. TYPE AS INDICATED ON PLANS.
	CEILING MOUNTED SINGLE RECEPTACLE.
	CEILING MOUNTED DUPLEX RECEPTACLE.
	CEILING MOUNTED DOUBLE DUPLEX RECEPTACLE.
	CEILING MOUNTED SPECIAL PURPOSE RECEPTACLE.
	PEDESTAL MOUNTED SINGLE RECEPTACLE.
	PEDESTAL MOUNTED DUPLEX RECEPTACLE.
	PEDESTAL MOUNTED DOUBLE DUPLEX RECEPTACLE.
	PEDESTAL MOUNTED SPECIAL PURPOSE RECEPTACLE.
	X INDICATES RECEPTACLE TYPE OTHER THAN STANDARD NO DESIGNATOR INDICATES STANDARD POWER DEVICE GF = GFCI RATED GFT = GFCI RATED AND TAMPER RESISTANT TR = TAMPER RESISTANT IG = ISOLATED GROUND U = USB CHARGING PORTS SR = SOUND REINFORCEMENT IFP = INTERACTIVE FLAT PANEL VID = VIDEO OUTLET VP = VIDEO PROJECTOR WC = WATER COOLER WF = WASH FOUNTAIN WP = WEATHER-PROOF AND GFCI RATED (METAL IN-USE COVERPLATE) NMW = MICROWAVE - COORDINATE WITH CASEWORK INSTALLER.
	FLOOR BOX WITH (2) NEMA 5-20R RECEPTACLES. UNO, "X" INDICATES TYPE. REFER TO SPECIFICATIONS. PROVIDE PROPER COVER FOR THE ASSOCIATED FLOOR TYPE. COORDINATE WITH FLOOR INSTALLER.
	POKE-THRU WITH TWO (2) NEMA 5-20R RECEPTACLES. UNO, "X" INDICATES TYPE. REFER TO SPECIFICATIONS. PROVIDE PROPER COVER FOR THE ASSOCIATED FLOOR TYPE. COORDINATE WITH FLOOR INSTALLER.
	JUNCTION BOX OR EQUIPMENT CONNECTION.
	JUNCTION BOX OR EQUIPMENT CONNECTION WITH SWITCH FOR MAINTENANCE DISCONNECT. PROVIDE SWITCH RATED FOR VOLTAGE AND LOAD SHOWN ON PLANS.
	WALL MOUNTED JUNCTION BOX
	MOTOR CONNECTION. PROVIDE SWITCH FOR MAINTENANCE DISCONNECT WHEN SHOWN. PROVIDE SWITCH RATED FOR VOLTAGE AND LOAD SHOWN ON PLANS.
	0.6 HOUR DIGITAL TIMER RATED FOR LOAD BEING CONTROLLED.
	20A, FUSED MOTOR SWITCH, PROVIDE OVERLOADS RATED TO MOTOR.
	CORD REEL DOUBLE DUPLEX RECEPTACLE. REFER TO SPECIFICATIONS FOR TYPE.
	DROP CORD DUPLEX RECEPTACLE. REFER TO ASSOCIATED DROP CORD DETAIL FOR MORE INFORMATION.

ELECTRICAL EQUIPMENT SYMBOLS	
SYMBOL	DESCRIPTION
	SURFACE MOUNTED PANELBOARD - CIRCUIT BREAKER TYPE. DASHED LINES ON PLAN INDICATE CLEARANCES. REFER TO PANEL SCHEDULES AND ONE-LINE DIAGRAM.
	FLUSH MOUNTED PANELBOARD - CIRCUIT BREAKER TYPE. DASHED LINES ON PLAN INDICATE CLEARANCES. REFER TO PANEL SCHEDULES AND ONE-LINE DIAGRAM.
	DISTRIBUTION PANEL - CIRCUIT BREAKER TYPE. DASHED LINES ON PLAN INDICATE CLEARANCES. REFER TO PANEL SCHEDULES AND ONE-LINE DIAGRAM.
	METER BASE
	NON-FUSED DISCONNECT SWITCH.
	FUSED DISCONNECT SWITCH.
	COMBINATION MAGNETIC MOTOR STARTER AND DISCONNECT SWITCH.
	MAGNETIC MOTOR STARTER.
	CONTROL PANEL. REFER TO PLANS FOR MORE INFORMATION.
	AUTOMATIC TRANSFER SWITCH.
	MANUAL TRANSFER SWITCH.
	ENCLOSED CIRCUIT BREAKER.
	VARIABLE FREQUENCY DRIVE.
	GROUND BAR. REFER TO GROUNDING DETAIL.

TECHNOLOGY OUTLET SYMBOLS	
STUB ALL CONDUITS FOR TECHNOLOGY OUTLETS ABOVE ACCESSIBLE CEILING. UNO. PROVIDE PULL STRING AND PLASTIC BUSHING ON END OF EACH CONDUIT. PROVIDE COVERPLATE FOR UNUSED BOXES.	
SYMBOL	DESCRIPTION
	DATA OUTLET, 4-11/16" BOX WITH 2" DEEP 2-GANG EXTENSION RING. PROVIDE ONE (1) 1-1/4" CONDUIT.
	VOICE & DATA OUTLET, 4-11/16" BOX WITH 2" DEEP 2-GANG EXTENSION RING. PROVIDE ONE (1) 1-1/4" CONDUIT.
	VOICE OUTLET, 4-11/16" BOX WITH 2" DEEP 1-GANG EXTENSION RING. PROVIDE ONE (1) 1" CONDUIT.
	LOCAL INPUT OUTLET, 4-11/16" BOX WITH 2" DEEP 2-GANG EXTENSION RING. PROVIDE ONE (1) 1-1/4" CONDUIT.
	INTERACTIVE FLAT PANEL OUTLET, 4-11/16" BOX WITH 2" DEEP 2-GANG EXTENSION RING. PROVIDE ONE (1) 1-1/4" CONDUIT.
	LARGE VENUE PROJECTOR OUTLET, 4-11/16" BOX WITH 2" DEEP 2-GANG EXTENSION RING. PROVIDE TWO (2) 1-1/4" CONDUITS.
	ORCHESTRA AUDIO SYSTEM OUTLET, 4-11/16" BOX WITH 2" DEEP 2-GANG EXTENSION RING. PROVIDE TWO (2) 1-1/4" CONDUITS.
	STAGE PRESENTER OUTLET, 4-11/16" BOX WITH 2" DEEP 2-GANG EXTENSION RING. PROVIDE TWO (2) 1-1/4" CONDUITS.
	TEACHER PERSONAL COMPUTER OUTLET, 4-11/16" BOX WITH 2" DEEP 2-GANG EXTENSION RING. PROVIDE TWO (2) 1-1/4" CONDUITS.
	SOUND REINFORCEMENT OUTLET, 4-11/16", 3-5" DEEP BOX WITH 2-GANG EXTENSION RING. PROVIDE TWO (2) 1-1/4" CONDUITS.
	VIDEO MONITOR OUTLET, 4-11/16" BOX WITH 2" DEEP 2-GANG EXTENSION RING. PROVIDE ONE (1) 1-1/4" CONDUIT.
	CAMERA OUTLET, 4-11/16" BOX WITH 2" DEEP 1-GANG EXTENSION RING. PROVIDE ONE (1) 1" CONDUIT. PROVIDE WEATHERPROOF COVERPLATE FOR EXTERIOR APPLICATIONS.
	WIRELESS ACCESS POINT OUTLET, 4-11/16" BOX WITH 2" DEEP 1-GANG EXTENSION RING. PROVIDE ONE (1) 1" CONDUIT. PROVIDE WEATHERPROOF COVERPLATE FOR EXTERIOR APPLICATIONS.

SECURITY/ACCESS CONTROL SYMBOLS	
SYMBOL	DESCRIPTION
	ACCESS CONTROL PANEL. DIVISION 26 TO PROVIDE 120V TO PANEL AS REQUIRED. COORDINATE WITH DIVISION 28.
	SECURITY SYSTEM CONTROL PANEL. DIVISION 26 TO PROVIDE 120V TO PANEL AS REQUIRED. COORDINATE WITH DIVISION 28.
	ELECTRIC LOCK. PROVIDED BY DIVISION 08. PROVIDE 3/4" CONDUIT WITH PLASTIC BUSHING FROM DOOR FRAME TO ABOVE ACCESSIBLE CEILING. COORDINATE ROUGH-IN REQUIREMENTS WITH DIVISION 08 AND DIVISION 28.
	DOOR CONTACT, PROVIDED BY DIVISION 28. PROVIDE 3/4" CONDUIT WITH PLASTIC BUSHING FROM DOOR FRAME TO ABOVE ACCESSIBLE CEILING. COORDINATE ROUGH-IN REQUIREMENTS WITH DIVISION 08 AND DIVISION 28.
	REQUEST TO EXIT DEVICE. PROVIDED BY DIVISION 28. PROVIDE 3/4" CONDUIT WITH PLASTIC BUSHING FROM DOOR FRAME TO ABOVE ACCESSIBLE CEILING. COORDINATE ROUGH-IN REQUIREMENTS WITH DIVISION 08 AND DIVISION 28.
	CARD READER, PROVIDED BY DIVISION 28. PROVIDE SINGLE GANG BACK BOX WITH 3/4" CONDUIT WITH PLASTIC BUSHING TO ABOVE ACCESSIBLE CEILING. COORDINATE WITH DIVISION 28 PRIOR TO ROUGH-IN.
	KEYPAD, PROVIDED BY DIVISION 28. PROVIDE SINGLE GANG BACK BOX WITH 3/4" CONDUIT WITH PLASTIC BUSHING TO ABOVE ACCESSIBLE CEILING. COORDINATE WITH DIVISION 28 PRIOR TO ROUGH-IN.
	CEILING MOUNT MOTION DETECTOR. PROVIDE ROUGH-IN IN HARD CEILING AS REQUIRED FOR INSTALLATION. PROVIDE 3/4" CONDUIT WITH PLASTIC BUSHING TO ABOVE ACCESSIBLE CEILING. COORDINATE BACK BOX AND WORK WITH DIVISION 28.
	WALL MOUNT MOTION DETECTOR. PROVIDE SINGLE GANG BACK BOX WITH 3/4" CONDUIT WITH PLASTIC BUSHING TO ABOVE ACCESSIBLE CEILING. COORDINATE WORK WITH DIVISION 28.
	SECURITY SYSTEM ALARM BELL PROVIDED BY DIVISION 28. PROVIDE BACK BOX AND PATHWAY AS REQUIRED. COORDINATE WITH DIVISION 28.
	VOICE ONLY INTERCOM STATION BY DIVISION 28. BACK BOX FURNISHED BY DIVISION 28, INSTALLED BY DIVISION 26. PROVIDE 1" CONDUIT WITH PLASTIC BUSHING TO ABOVE ACCESSIBLE CEILING.
	VOICE & VIDEO INTERCOM STATION BY DIVISION 28. BACK BOX FURNISHED BY DIVISION 28, INSTALLED BY DIVISION 26. PROVIDE 1" CONDUIT WITH PLASTIC BUSHING TO ABOVE ACCESSIBLE CEILING.
	DESK MOUNT MASTER INTERCOM STATION PROVIDED BY DIVISION 28. COORDINATE PATHWAY REQUIREMENTS WITH DIVISION 28.
	ELECTRONIC DOOR RELEASE PUSH BUTTON PROVIDED BY DIVISION 28. COORDINATE PATHWAY REQUIREMENTS WITH DIVISION 28.

MISCELLANEOUS SYMBOLS	
SYMBOL	DESCRIPTION
	GYM EQUIPMENT CONTROL PANEL FURNISHED BY GYM EQUIPMENT INSTALLER, INSTALLED BY DIVISION 26.
	GYM EQUIPMENT CONTROLLER FURNISHED BY GYM EQUIPMENT INSTALLER. DIVISION 26 TO PROVIDE BACK BOX AND ALL NECESSARY WIRING AS REQUIRED.
	GENERATOR ANNUNCIATOR PANEL. REFER TO SPECIFICATIONS.
	SPARE FUSE CABINET. REFER TO SPECIFICATIONS.
	HAND DRYER. REFER TO SPECIFICATIONS.
	AUTOMATIC DOOR OPERATOR FURNISHED BY DIVISION 08, INSTALLED BY DIVISION 26. COORDINATE WITH DOOR INSTALLER.
	PUSH BUTTON. REFER TO DRAWINGS FOR MORE INFORMATION.
	MULTI-BUTTON PUSH STATION. REFER TO DRAWINGS FOR MORE INFORMATION.

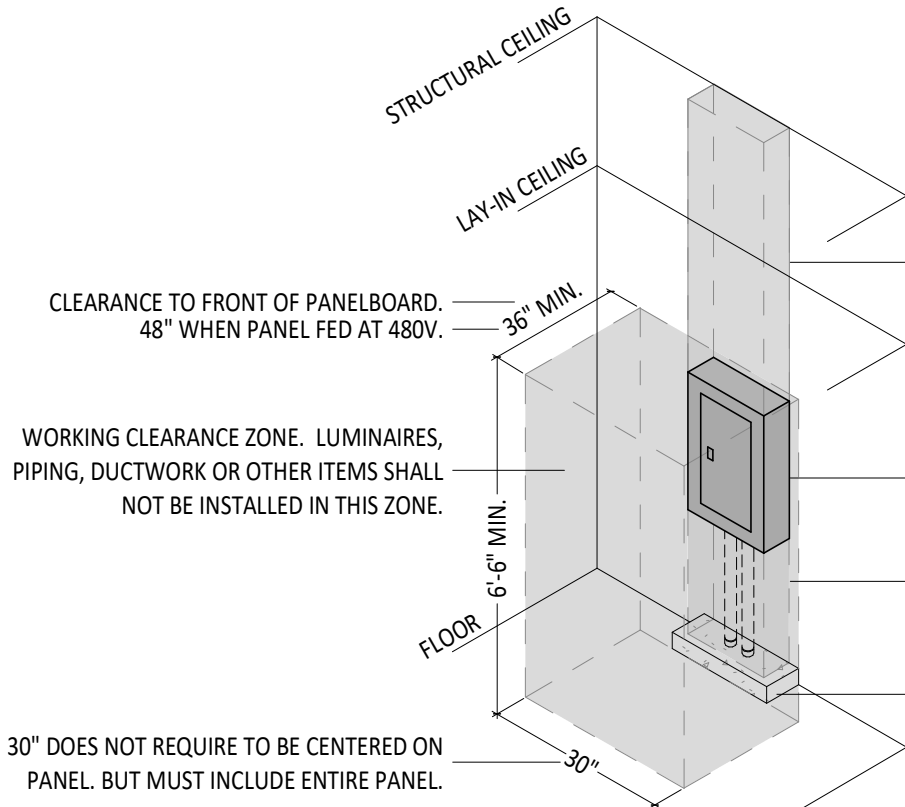


NOTES:
1. 12 AWG IS MIN. CONDUCTOR SIZE, EXCEPT AS NOTED.
2. 1/2" CONDUIT IS MIN. SIZE, EXCEPT AS CAPACITY PERMITTING 34 VOLT CONTROL CONDUCTOR.
3. PROVIDE DEDICATED NEUTRALS.

BRANCH CIRCUIT GENERAL NOTES:

1. CONDUIT ROUTING FOR BRANCH CIRCUITS ARE NOT SHOWN ON PLANS AND IS LEFT TO THE DISCRETION OF THE CONTRACTOR. THE FOLLOWING WIRE SIZES SHALL BE USED UNLESS NOTED OTHERWISE IN PANEL SCHEDULE. DETERMINE FURTHEST DISTANCE FROM BRANCH PANELBOARD TO FURTHEST DEVICE PRIOR TO WIRE INSTALLATION. INCREASE WIRE SIZE AS NECESSARY FOR FURTHER DISTANCES.

CIRCUIT TYPE	CONDUCTOR SIZE	MAXIMUM LENGTH
20A, 120V	10 AWG	100 FEET
20A, 120V	8 AWG	175 FEET

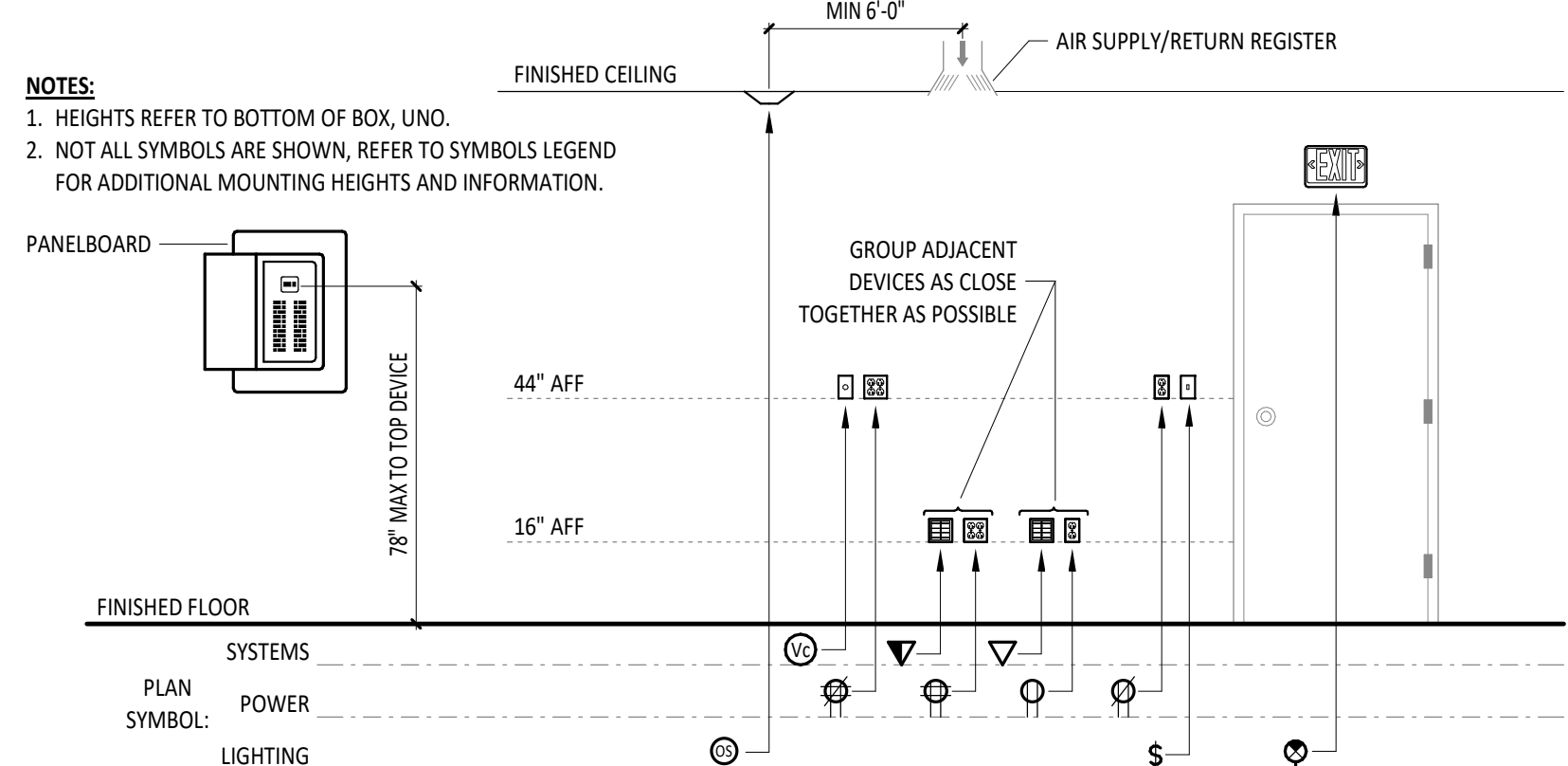


DEDICATED ELECTRICAL SPACE TO STRUCTURAL CEILING OR HARD CEILING. ONLY ELECTRICAL CONDUIT AND CONDUCTORS SHALL BE PERMITTED TO PENETRATE THIS AREA.

SURFACE MOUNTED OR RECESSED PANELBOARD
DEDICATED ELECTRICAL SPACE TO FLOOR. ONLY ELECTRICAL CONDUIT AND CONDUCTORS SHALL BE PERMITTED TO PENETRATE THIS AREA.
3-1/2" CONCRETE FLOOR CURB FOR UNDERGROUND CONDUIT PENETRATIONS. (SURFACE MOUNTED PANELBOARDS ONLY)

GENERAL NOTES:
A. REFER TO NEC SECTION 110.26 FOR MORE INFORMATION.
B. COORDINATE ALL WORK WITH OTHER TRADES TO MAINTAIN ALL OTHER NEC CLEARANCES AND REQUIREMENTS.

NOTES:
1. HEIGHTS REFER TO BOTTOM OF BOX, UNO.
2. NOT ALL SYMBOLS ARE SHOWN. REFER TO SYMBOLS LEGEND FOR ADDITIONAL MOUNTING HEIGHTS AND INFORMATION.



ELECTRICAL SHEET INDEX	
SHEET NUMBER	SHEET NAME
E1.1	GENERAL NOTES, ABBREVIATIONS, LEGENDS AND SHEET INDEX
E1.2	ELECTRICAL DETAILS, RISER DIAGRAM, PANEL SCHEDULES
E2.1	SITE ELECTRICAL PLAN
E3.1	SYSTEMS PLAN - UNIT A, B, C & D
E3.2	SYSTEMS PLAN - UNIT E
E4.1	LIGHTING PLAN - UNIT A, B, C & D
E4.2	LIGHTING PLAN - UNIT E, LUMINAIRE SCHEDULE
E5.1	POWER PLAN - UNIT A, B, C & D
E5.2	POWER PLAN - UNIT E

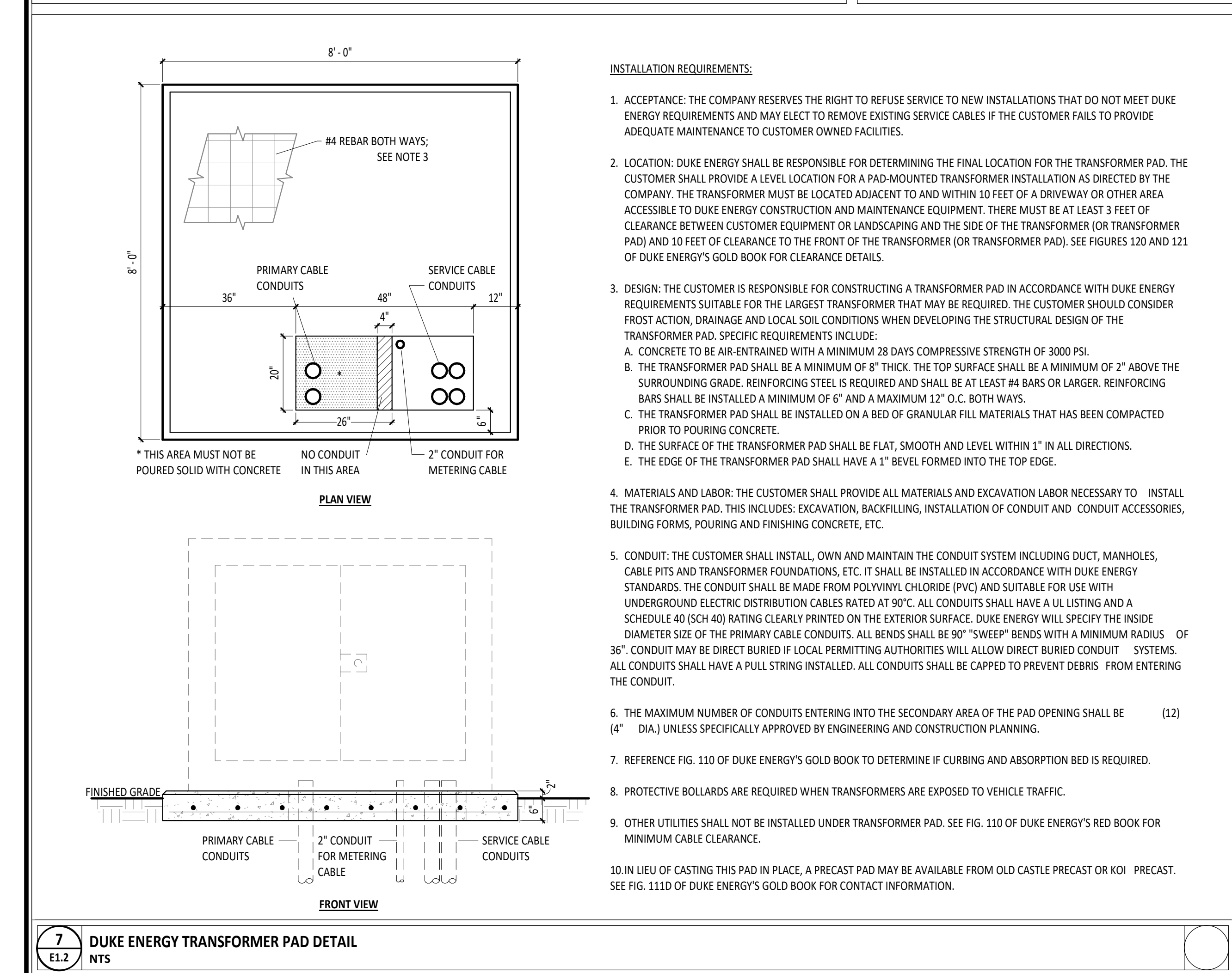
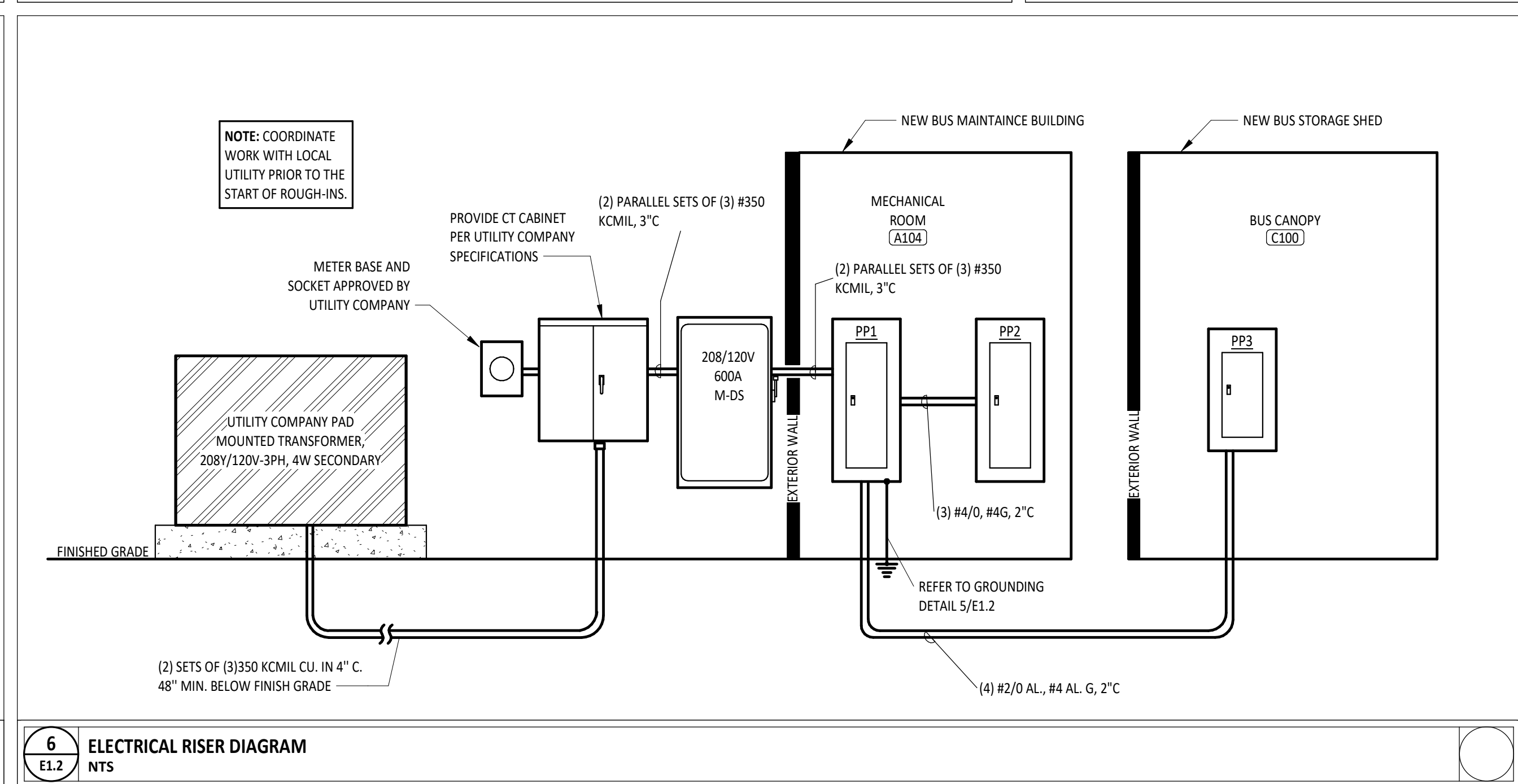
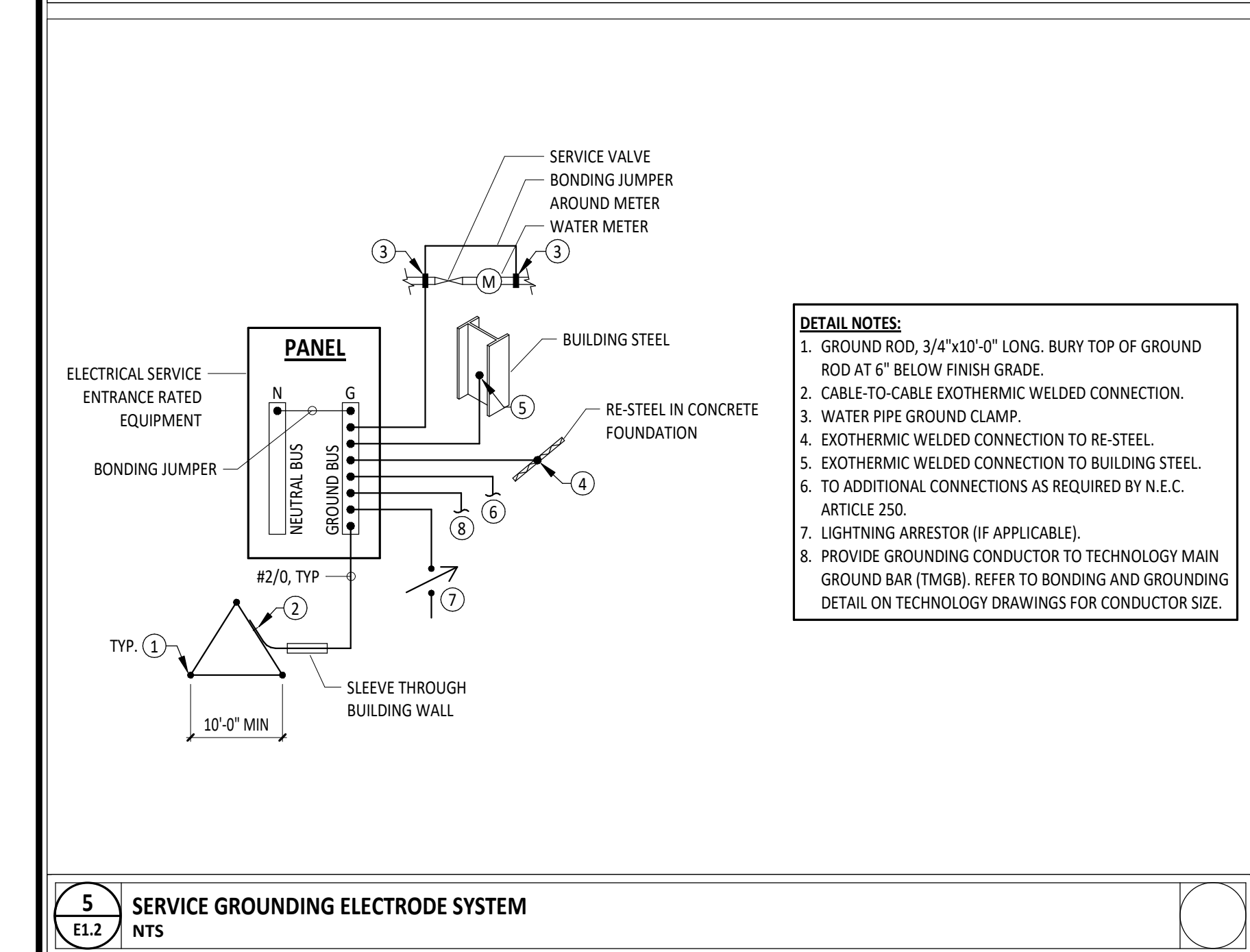
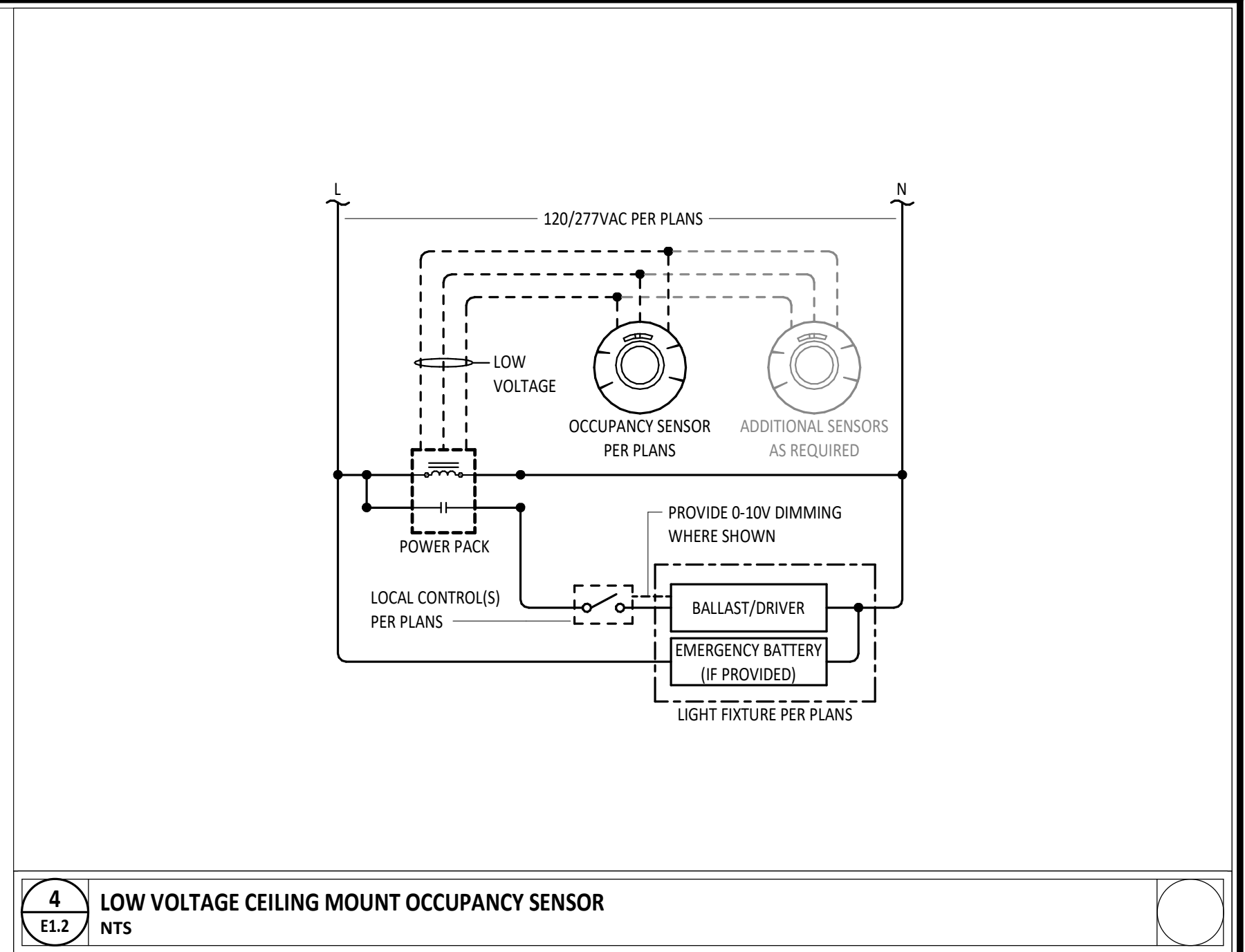
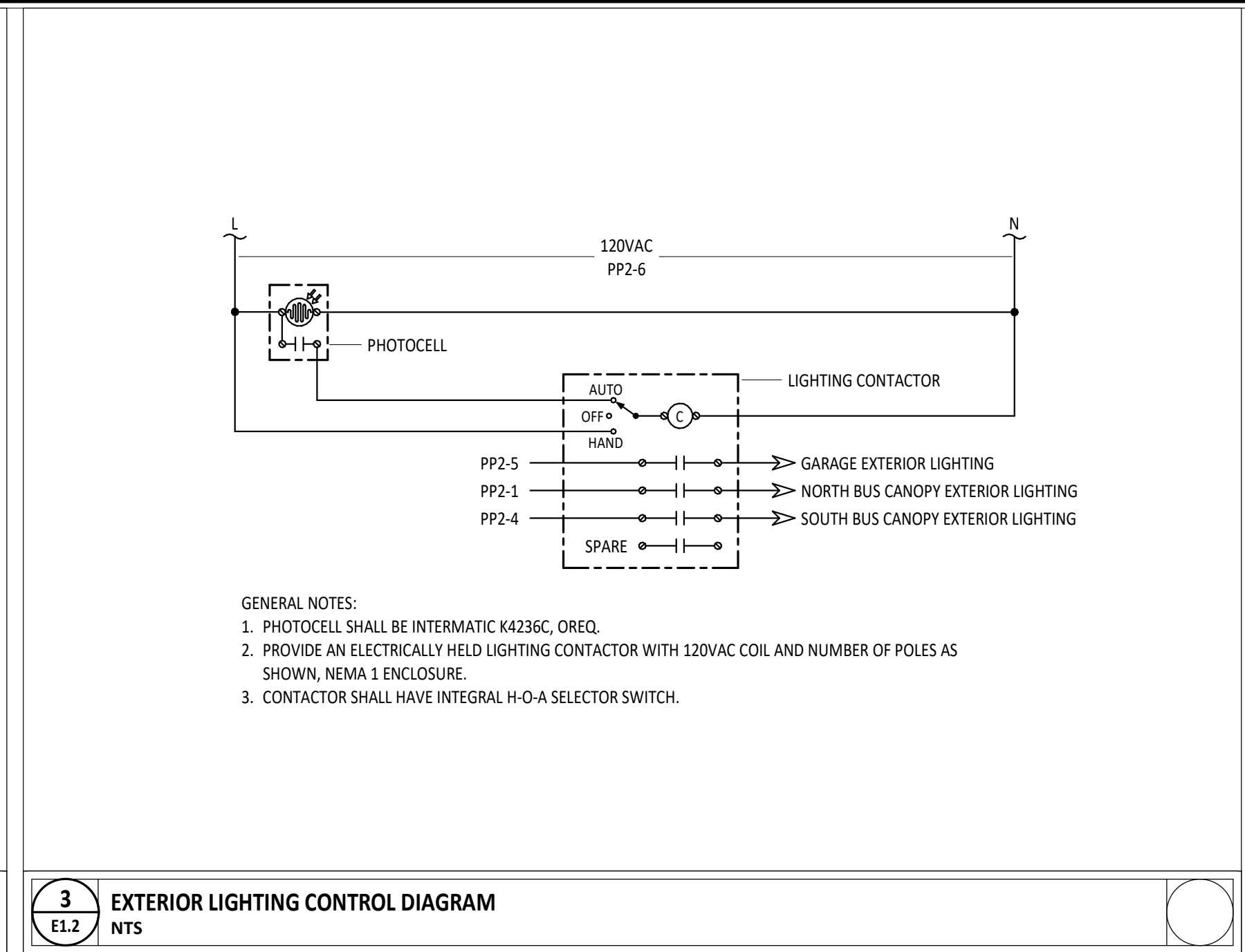
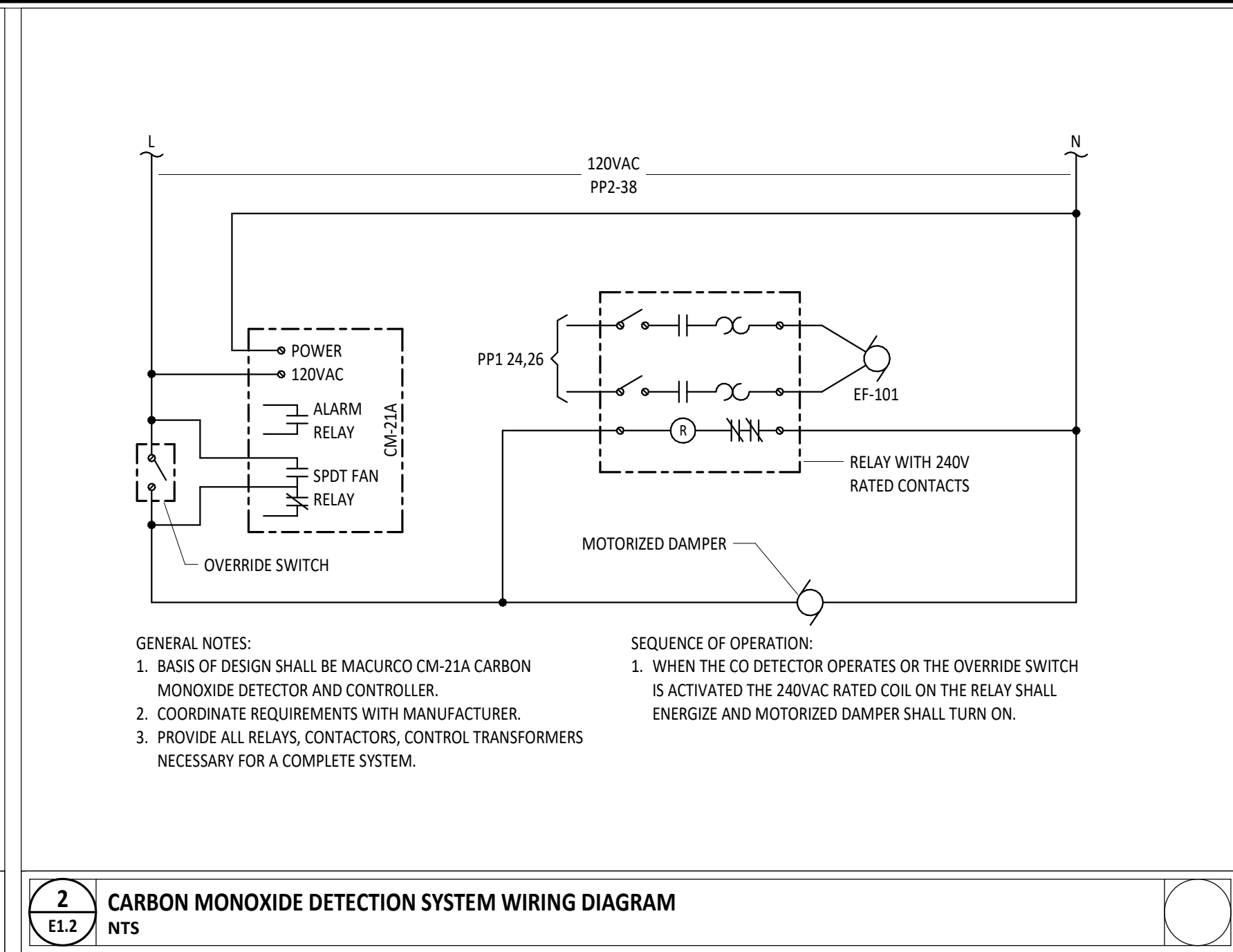
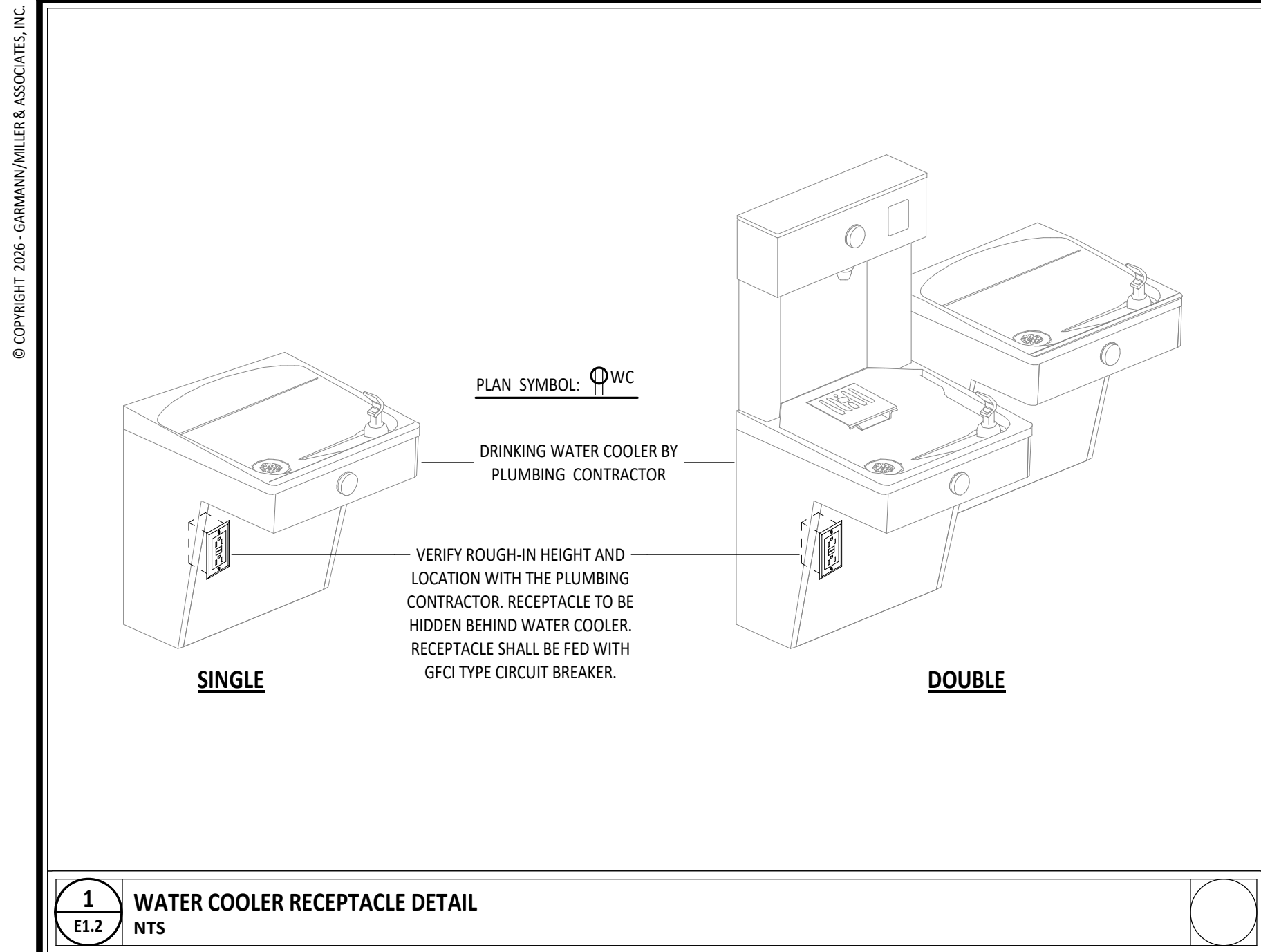
ELECTRICAL GENERAL NOTES

- A. ALL GENERAL WALL MOUNT WIRING DEVICES TO BE GRAY IN COLOR. COVERPLATES TO BE STAINLESS STEEL. CEILING MOUNT RECEPTACLES TO BE WHITE IN COLOR WITH WHITE, NYLON, UNBREAKABLE COVERS.
- B. ALL MOUNTING HEIGHTS REFER TO THE BOTTOM OF BOX OR DEVICE UNO.
- C. ALL CONDUIT TO BE CONCEALED.
- D. TICK MARKS ON LIGHTING PLAN CIRCUITING INDICATE A CHANGE IN SWITCHING.
- E. ALL WORK SHALL CONFORM TO THE 2008 N.E.C., NATIONAL, STATE, AND LOCAL CODES WHICH APPLY.
- F. ALL MATERIAL AND EQUIPMENT SHALL CONFORM TO U.L. AND NEMA STANDARDS WHICH APPLY.
- G. THIS CONTRACTOR SHALL PAY ALL FEES AND OBTAIN ALL PERMITS REQUIRED TO THE EXECUTION OF HIS WORK.
- H. THIS CONTRACTOR SHALL GUARANTEE HIS ENTIRE ELECTRICAL INSTALLATION AGAINST DEFECTS IN WORKMANSHIP AND MATERIALS FOR A PERIOD OF ONE (1) YEAR.
- I. WIRE SIZES BASED ON AWG (AMERICAN WIRE GAUGE) OR KCMIL, MINIMUM WIRE SIZE SHALL BE 12 AWG, UNO.
- J. CONDUCTORS SHALL BE TYPE "THHN/THWN" STRANDED COPPER. CONDUCTORS 6 AWG, AND LARGER, MAY BE COPPER OR ALUMINUM.
- K. EXPOSED EXTERIOR CONDUIT SHALL BE RIGID GALVANIZED STEEL OR INTERMEDIATE GRADE METAL CONDUIT. INTERIOR CONDUIT MAY BE ELECTRICAL METALLIC TUBING. CONDUIT BURIED BELOW GRADE SHALL BE SCHEDULE 40 PVC WITH APPROPRIATE SIZE GREEN GROUND WIRE UNO.

ELECTRICAL LIGHTING CONTROL GENERAL NOTES

- A. ALL SENSOR LOCATIONS ARE APPROXIMATE. REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS PRIOR TO INSTALLATION. IF PENDANT FIXTURES ARE PRESENT, LOCATION AND COVERAGE OF SENSORS SHOULD BE REVIEWED.
- B. ULTRASONIC CEILING MOUNT SENSORS REQUIRE THAT THEY BE LOCATED NO CLOSER THAN 6" TO AIR SUPPLY/RETURN REGISTERS.
- C. CONTRACTOR IS RESPONSIBLE FOR PROPER SENSITIVITY AND TIME DELAY SETTINGS. VERIFICATION OF MANUFACTURER'S RECOMMENDED PLACEMENT, AND FIELD VERIFICATION OF CIRCUITS WITH RESPECT TO POWER PACK PLACEMENT.
- D. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF REQUIRED NUMBER OF POWER PACKS. ONE POWER PACK IS REQUIRED FOR EACH CONTROL/TOGGLE SWITCH. MAXIMUM NUMBER OF SENSORS THAT CAN BE WIRED IN PARALLEL TO A SINGLE POWERPACK IS DEPENDENT ON SENSOR MODEL (SEE INDIVIDUAL DATA SHEETS FOR mA CONSUMPTION).
- E. EQUALS BY LEVITON, SENSORSWITCH, SENSORWORK, LUTRON, AND COOPER.





PANEL PP1

MOUNTING: SURFACE
FED FROM: UTILITY
ENCLOSURE: NEMA 1
LOCATION: MECHANICAL B104
PANEL NOTES: PROVIDE PANEL WITH INTERNAL SPD DEVICE

AIC RATING: 10,000
VOLTAGE: 208Y/120V 3PH 4W
MAINS RATING: 600 A
MAINS TYPE: MCB
OTHER:

NOTE	CIRCUIT DESCRIPTION	POLES	AMP	CT	A	B	C	CT	AMP	CIRCUIT DESCRIPTION	NOTE
1	PP2	3	200	3	15680 / 9807			2		3 PP3	1
4	EWB	3	70	9	13652 / 10693			4	125	3	PP3
2	SSHP-B101b	2	25	15	6004 / 1144			8	15	2	EUH-101 (MECHANICAL RM HEATER)
3	EUH-103 (SHOP HEATER NORTH)	3	35	19	1830 / 2978			14	35	3	EUH-102 (MEZZANINE HEATER)
4	SSHP-B101a	2	60	25	2978 / 2978			20	35	3	EUH-104 (SHOP HEATER SOUTH)
4	RCPT - AIR COMPRESSOR	2	60	29	2978 / 2978			22	24	15	EF-101 (SHOP FAN)
4	RCPT - SOUTH OVERHEAD DOOR OPERATOR	1	20	31	1830 / 1144			26	20	1	ACCESS CONTROL PANEL
4	NORTH OVERHEAD DOOR OPERATOR	1	20	33	4800 / 500			28	20	1	TECH RACK
4	SPARE BREAKER	1	20	35				32	15	2	EUH-105 (MECHANICAL PLATFORM HEATER)
4	SPARE BREAKER	1	20	37	0 / 0			34	20	1	SPARE BREAKER
4	SPACE ONLY	1	--	39	0 / 0			36	20	1	SPARE BREAKER
4	SPACE ONLY	1	--	41	0 / 0			40	--	1	SPACE ONLY
4	SPACE ONLY	1	--	43	0 / 0			42	--	1	SPACE ONLY
VA SUBTOTALS:					47285 VA	49946 VA	45099 VA				
AMP SUBTOTALS:					395 A	418 A	383 A				
LOAD TYPE:											
CONNECTED VA					59102 VA	59102 VA	164 A				
DEMAND FACTOR					100.0%	100.0%	100.0%				
DEMAND VA					4574 VA	5718 VA	16 A				
DEMAND AMPS					1176 VA	1470 VA	4 A				
PHASE					77.0%	77.0%	77.0%				
RECEPTACLE					18520 VA	14260 VA	40 A				
BUS PLUG					60000 VA	60000 VA	167 A				
PANEL TOTALS					143227 VA	143227 VA	167 A				
CONNECTED VA					143227 VA	143227 VA	167 A				
DEMAND VA					395 A	395 A	383 A				
CONNECTED AMP					395 A	395 A	383 A				
DEMAND AMP					395 A	395 A	383 A				

PANEL PP2

MOUNTING: SURFACE
FED FROM: PP1
ENCLOSURE: NEMA 1
LOCATION: MECHANICAL B104
PANEL NOTES: PROVIDE PANEL WITH INTERNAL SPD DEVICE

AIC RATING: 10,000
VOLTAGE: 208Y/120V 3PH 4W
MAINS RATING: 225 A
MAINS TYPE: MLO
OTHER:

NOTE	CIRCUIT DESCRIPTION	POLES	AMP	CT	A	B	C	CT	AMP	CIRCUIT DESCRIPTION	NOTE
1	LIGHTING - BUS CANOPY A	1	20	1	316 / 1738			2	20	1	LIGHTING - SHOP AREA
1	LIGHTING - OFFICE AREA & MEZZANINE	1	20	3		682 / 602		4	20	1	LIGHTING - BUS CANOPY C & D
1	LIGHTING - MAINTENANCE BAY EXTERIOR	1	20	5			274 / 500	6	20	1	LIGHTING CONTACTOR
2	RCPT - BUS CANOPY A1	1	20	7	1500 / 1500			8	20	1	RCPT - BUS CANOPY A2
2	RCPT - BUS CANOPY A3	1	20	9		1500 / 1500		10	20	1	RCPT - BUS CANOPY A4
2	RCPT - BUS CANOPY A5	1	20	11			1500 / 1500	12	20	1	RCPT - BUS CANOPY A6
2	RCPT - BUS CANOPY A7	1	20	13	1500 / 1500			14	20	1	RCPT - BUS CANOPY C1
2	RCPT - BUS CANOPY C2	1	20	15		1500 / 1500		16	20	1	RCPT - BUS CANOPY C3
2	RCPT - BUS CANOPY C4	1	20	17			1500 / 1500	18	20	1	RCPT - BUS CANOPY C5
2	RCPT - BUS CANOPY C6	1	20	19	1500 / 1500			20	20	1	RCPT - BUS CANOPY C7
2	RCPT - BUS CANOPY D1	1	20	21		1500 / 1500		22	20	1	RCPT - BUS CANOPY D2
2	RCPT - BUS CANOPY D3	1	20	23			1500 / 1500	24	20	1	RCPT - BUS CANOPY D4
2	RCPT - BUS CANOPY D5	1	20	25	1500 / 1500			26	20	1	RCPT - BUS CANOPY D6
2	RCPT - MECHANICAL ROOM	1	20	27		540 / 1080		28	20	1	RCPT - OFFICE & RESTROOMS
2	RCPT - CONFERENCE ROOM	1	20	29			1080 / 540	30	20	1	RCPT - MAINTENANCE BAY EAST
2	RCPT - MAINTENANCE BAY WEST	1	20	31	540 / 540			32	20	1	RCPT - MAINTENANCE BAY SOUTH
2	RCPT - MAINTENANCE BAY SOUTHWEST	1	20	33		540 / 1200		34	20	1	RCPT - MAINTENANCE BAY WATER COOLERS
2	RCPT - MAINTENANCE BAY NORTH & MEZZANINE	1	20	35			720 / 0	36	20	1	SPARE BREAKER
2	RCPT - CONFERENCE ROOM REFRIGERATOR	1	20	37	600 / 0			38	20	1	SPARE BREAKER
2	RCPT - CONFERENCE ROOM COUNTER	1	20	39		360 / 0		40	20	1	SPARE BREAKER
2	CARBON MONOXIDE SYSTEM WALL LOUVER	1	20	41			505 / 0	42	20	1	SPARE BREAKER
VA SUBTOTALS:					15680 VA	13562 VA	12605 VA				
AMP SUBTOTALS:					132 A	118 A	105 A				
LOAD TYPE:											
CONNECTED VA					557 VA	100.0%	557 VA	2 A			
DEMAND FACTOR					3559 VA	125.0%	4449 VA	12 A			
DEMAND VA					8240 VA	100.0%	8240 VA	23 A			
DEMAND AMPS					30000 VA	100.0%	30000 VA	83 A			
PHASE											
RECEPTACLE											
BUS PLUG											
PANEL TOTALS					42225 VA	42225 VA	42225 VA				
CONNECTED VA					42225 VA	42225 VA	42225 VA				
DEMAND VA					117 A	117 A	117 A				
CONNECTED AMP					120 A	120 A	120 A				
DEMAND AMP					120 A	120 A	120 A				

PANEL PP3

MOUNTING: SURFACE
FED FROM: PP1
ENCLOSURE: NEMA 3R
LOCATION: BUS CANOPY E101
PANEL NOTES: PROVIDE PANEL WITH INTERNAL SPD DEVICE

AIC RATING: 10,000
VOLTAGE: 208Y/120V 3PH 4W
MAINS RATING: 125 A
MAINS TYPE: MCB
OTHER:

NOTE	CIRCUIT DESCRIPTION	POLES	AMP	CT	A	B	C	CT	AMP	CIRCUIT DESCRIPTION	NOTE
1	LIGHTING - BUS CANOPY	1	20	1	644 / 193			2	20	1	LIGHTING - NORTH POLE
1	LIGHTING - SOUTH POLE	1	20	3		193 / 1500		4	20	1	RCPT - BUS CANOPY 1
2	RCPT - BUS CANOPY 2	1	20	5			1500 / 1500	6	20	1	RCPT - BUS CANOPY 3
2	RCPT - BUS CANOPY 4	1	20	7	1500 / 1500			8	20	1	RCPT - BUS CANOPY 5
2	RCPT - BUS CANOPY 6	1	20	9		1500 / 1500		10	20	1	RCPT - BUS CANOPY 7
2	RCPT - BUS CANOPY 8	1	20	11			1500 / 1500	12	20	1	RCPT - BUS CANOPY 9
2	RCPT - BUS CANOPY 10	1	20	13	1500 / 1500			14	20	1	RCPT - BUS CANOPY 11
2	RCPT - BUS CANOPY 12	1	20	15		1500 / 1500		16	20	1	RCPT - BUS CANOPY 13
2	RCPT - BUS CANOPY 14	1	20	17			1500 / 1500	18	20	1	RCPT - BUS CANOPY 15
2	RCPT - BUS CANOPY 16	1	20	19	1500 / 1500			20	20	1	RCPT - BUS CANOPY 17
2	RCPT - BUS CANOPY 18	1	20	21		1500 / 1500		22	20	1	RCPT - BUS CANOPY 19
2	RCPT - BUS CANOPY 20	1	20	23			1500 / 0	24	20	1	SPARE BREAKER
2	SPARE BREAKER	1	20	25	0 / 0			26	20	1	SPARE BREAKER
2	SPARE BREAKER	1	20	27		0 / 0		28	20	1	SPARE BREAKER
2	SPARE BREAKER	1	20	29			0 / 0	30	20	1	SPARE BREAKER
VA SUBTOTALS:					9807 VA	10693 VA	10500 VA				
AMP SUBTOTALS:					82 A	90 A	88 A				
LOAD TYPE:											
CONNECTED VA					1017 VA	125.0%	1272 VA	4 A			
DEMAND FACTOR					30000 VA	100.0%	30000 VA	83 A			
DEMAND VA											
DEMAND AMPS											
PHASE											
RECEPTACLE											
BUS PLUG											
PANEL TOTALS					30998 VA	30998 VA	30998 VA				
CONNECTED VA					31248 VA	31248 VA	31248 VA				
DEMAND VA					85 A	85 A	85 A				
CONNECTED AMP					87 A	87 A	87 A				
DEMAND AMP					87 A	87 A	87 A				

MATTHEW R. HIBNER
REGISTERED
NO. AR11300100
STATE OF INDIANA
ARCHITECT
MATTHEW R. HIBNER
LICENSE #AR11300100
EXPIRATION DATE: 12/31/2027

GARMANN MILLER
ARCHITECTS
P.C.
10000 N. JAMES ROAD, INDIANAPOLIS, IN 46255
317.555.1111
WWW.GARMANNMILLER.COM

SHENANDOAH SCHOOL CORPORATION
NEW TRANSPORTATION CENTER

ISSUANCES/REVISIONS

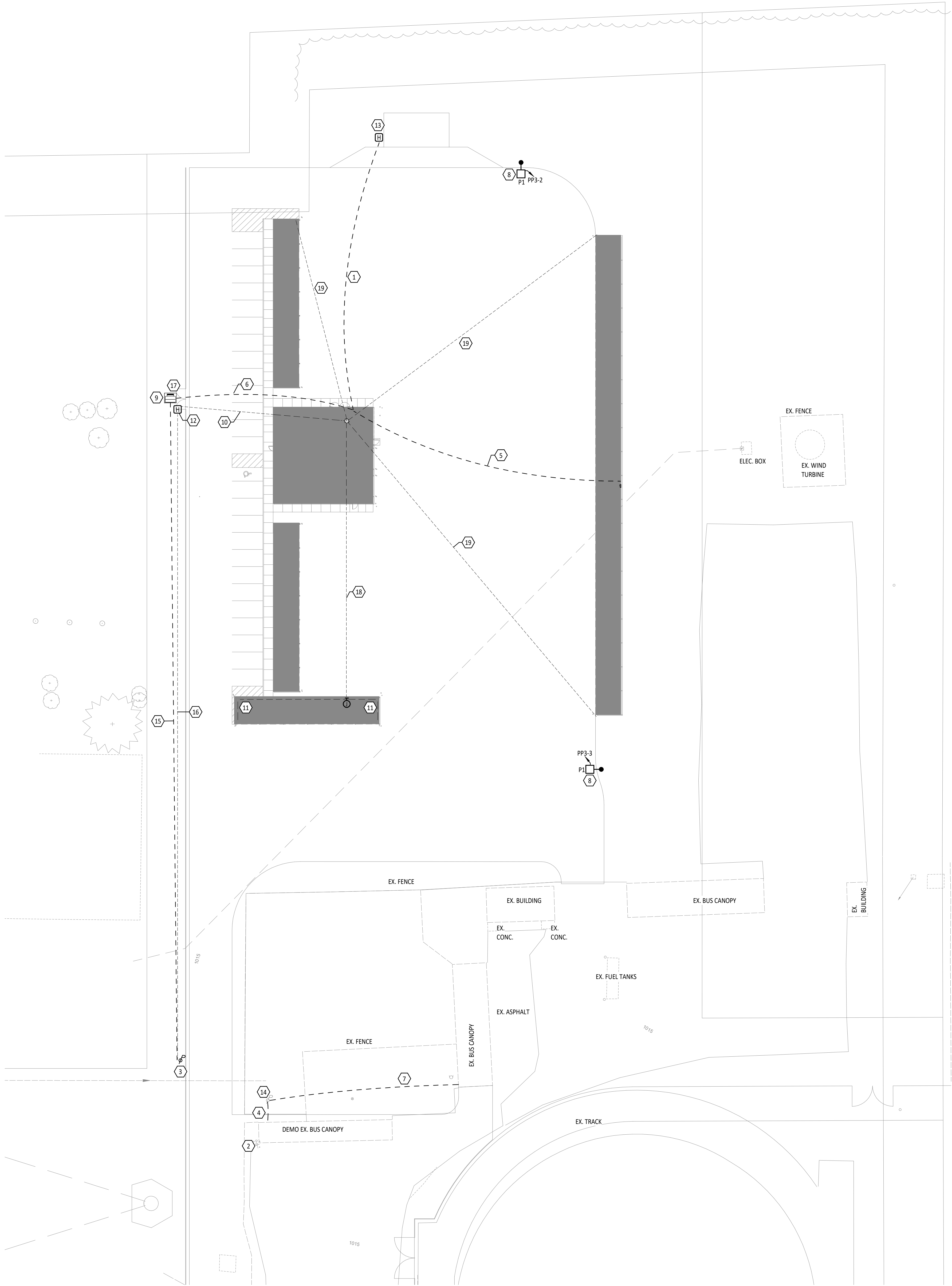
NO.	DESCRIPTION	DATE
1	CONSTRUCTION DOCUMENTS	09/02/2025

PROJECT NUMBER: 25107.00
DRAWN BY: CAE
CHECKED BY: CDH

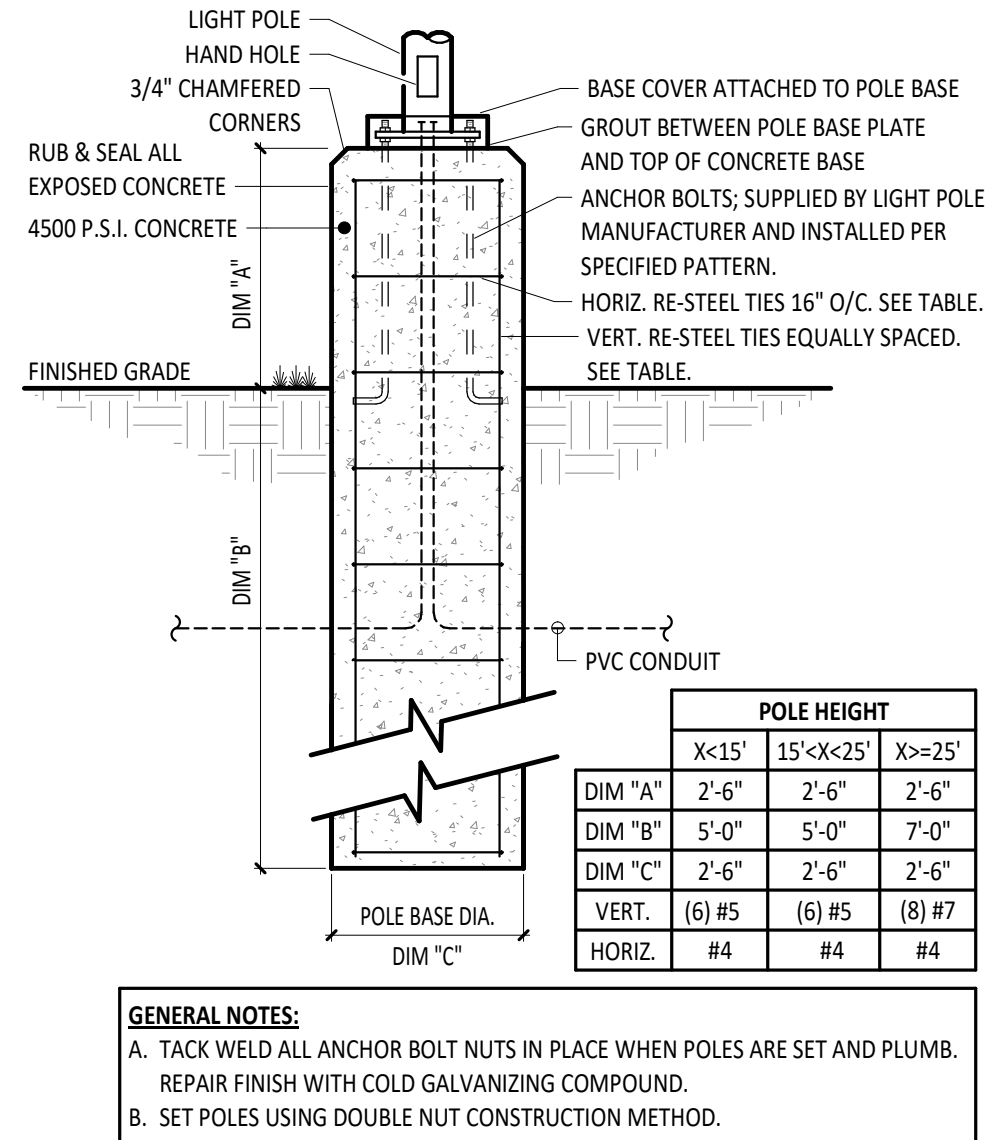
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**ELECTRICAL
DETAILS, RISER
DIAGRAM, PANEL
SCHEDULES**

SHEET NUMBER:
E1.2

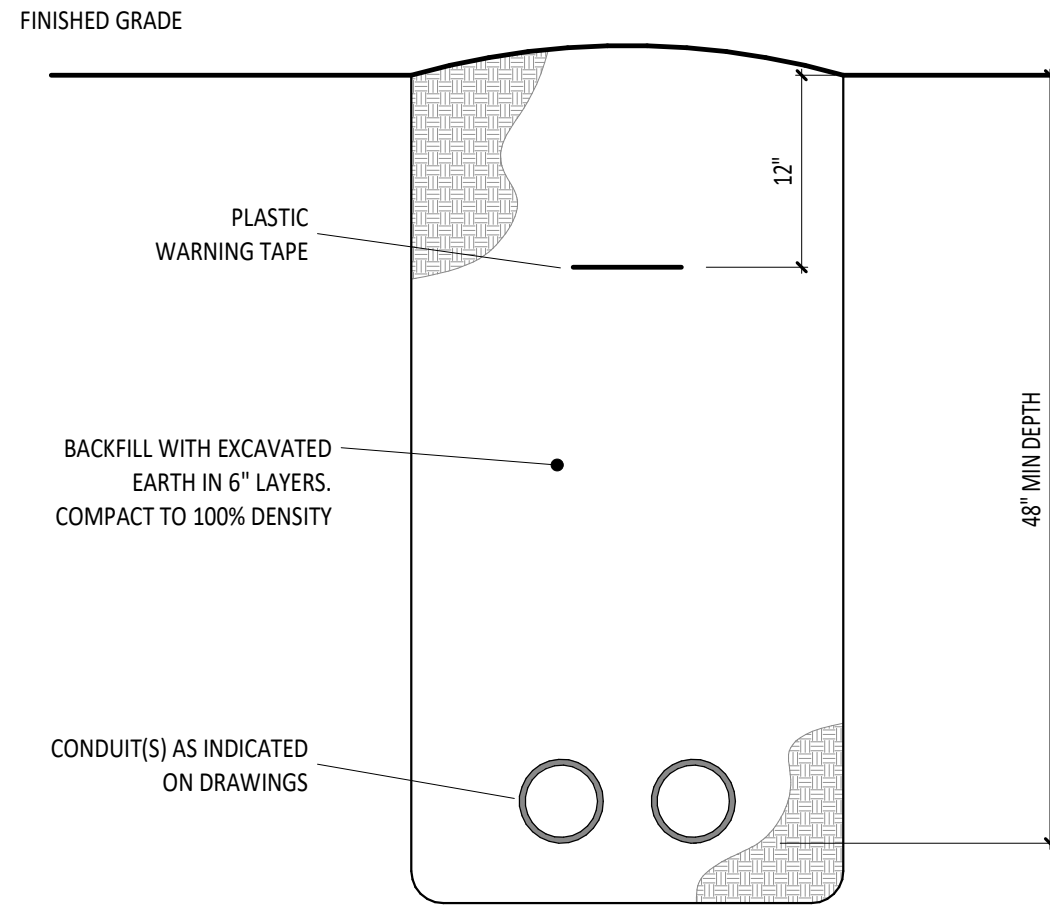
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E2.1
ELECTRICAL SITE PLAN
1" = 30'-0"



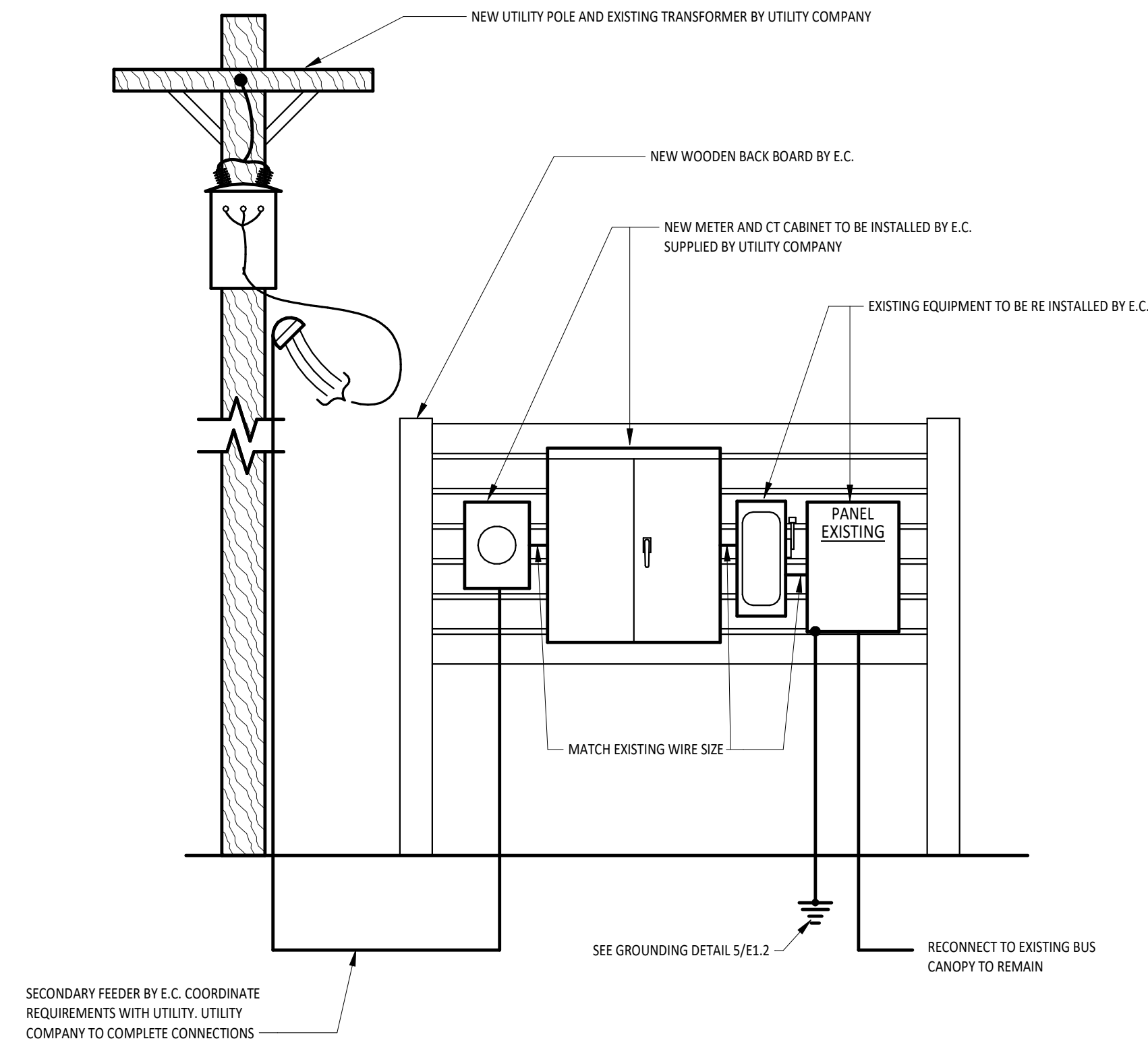
2
E2.1
CONCRETE POLE BASE DETAIL
NTS



3
E2.1
CONDUIT TRENCH DETAIL
NTS



4
E2.1
EXISTING BUS CANOPY ELECTRICAL RISER DIAGRAM
NTS



UTILITY COMPANY CONTACT

DUKE ENERGY 6045 PENDELTON NEW CASTLE RD, NEW CASTLE, IN 47362
JEREMY HALLGARTH DISTRIBUTION ENGINEER
(OFFICE) 980.502.5514

ELECTRICAL SITE GENERAL NOTES

- SEE CIVIL SITE PLAN, AND LANDSCAPE SITE PLANS FOR EXACT LOCATION OF OTHER UTILITIES. INSTALLATION OF ELECTRICAL WORK SHALL BE COORDINATED WITH THE OTHER TRADES.
- ELECTRICAL UTILITY SERVICE CONDUITS TO BE MINIMUM OF 48" BELOW GRADE TO TOP OF CONDUITS.
- PROVIDE PULL WIRES IN ALL EMPTY CONDUITS.
- ALL UNDERGROUND CONDUIT SHALL BE 1" SCHEDULE 40 PVC, UNLESS NOTED OTHERWISE.
- COORDINATE CONSTRUCTION WITH THE ELECTRIC UTILITY COMPANY.
- PROVIDE IDENTIFICATION LABEL FOR EACH POLE LIGHT.

KEYNOTE LEGEND

#	KEYNOTE DESCRIPTION
1	PROVIDE (3) 2 INCH CONDUITS FOR FUTURE FUEL STATION AREA FROM ELECTRICAL ROOM TO HANDHOLE NEAR FUTURE FUEL STATION.
2	EXISTING UTILITY POLE WITH TRANSFORMER TO REMAIN.
3	NEW UTILITY PROVIDED POLE. OVERHEAD PRIMARY SERVICE TO BE EXTENDED TO NEW POLE AND THEN TRANSITION TO UNDERGROUND CONDUIT TO PAD MOUNT TRANSFORMER. COORDINATE WORK WITH UTILITY COMPANY.
4	DEMO POWER FEED FROM BUS CANOPY TO BE DEMOLISHED.
5	UNDERGROUND FEED FROM PANEL PP1 TO PANEL PP2. REFER TO RISER DIAGRAM FOR FEEDER SIZE.
6	PROVIDE 4" UNDERGROUND PVC CONDUIT CAPPED WITH PULL STRING INSTALLED FOR ELECTRICAL FEED FROM SECONDARY OF UTILITY COMPANY TRANSFORMER TO CT CABINET. REFERENCE RISER DIAGRAM FOR FEEDER INFORMATION. FINAL CONNECTIONS BY UTILITY COMPANY. COORDINATE WORK WITH THE UTILITY COMPANY.
7	REROUTE FEED TO THE EXISTING BUS CANOPY TO REMAIN UNDERGROUND THROUGH NEW CONDUIT.
8	PROVIDE NEW LIGHT POLE WITH PHOTOCELL LIGHT CONTROL. REFER TO DETAIL 2/E2.1 FOR MORE INFORMATION.
9	PROVIDE APPROVED PAD FOR NEW UTILITY PROVIDED TRANSFORMER. REFER TO DETAIL 7/E1.2 FOR MORE SPECIFICATIONS ON TRANSFORMER PAD. FINAL CONNECTIONS BY UTILITY CONTRACTOR.
10	PROVIDE 2" UNDERGROUND CONDUIT FOR TECHNOLOGY CABLING FROM RACK IN ELECTRICAL ROOM TO HANDHOLE. REFER TO DETAIL 1/72.1 FOR MORE INFORMATION.
11	PROVIDE (1) 1" CONDUIT WITH PULL STRING FROM JUNCTION BOX IN BUS CANOPY D101 TO CAMERA LOCATIONS. PENETRATE THROUGH CANOPY WALL TO CAMERA ROUGH IN LOCATION WITH WEATHERPROOF BOX. COORDINATE WORK WITH TECHNOLOGY CONTRACTOR.
12	DIVISION 26 TO PROVIDE A 24" X 36" X 24" COMMUNICATIONS PULL BOX FOR TECHNOLOGY CONDUIT AT THIS APPROXIMATE LOCATION.
13	PROVIDE 24"X36"X24" DIVIDED QUARTZITE IN GROUND BOX WITH OPEN BOTTOM. COVER TO BE LABELED COMMUNICATIONS/ ELECTRICAL.
14	EXISTING UTILITY POLE, METER BASE, AND CT CABINET TO BE REPLACED BY THE UTILITY COMPANY. E.C. TO BUILD/INSTALL NEW H-FRAME. MOUNT METER BASE, CT CABINET, EXISTING BREAKER PANEL, AND EXISTING DISCONNECT TO THE H-FRAME. REFER TO DETAIL 4/E2.1. COORDINATE WORK WITH THE UTILITY COMPANY.
15	PROVIDE 2" UNDERGROUND PVC CONDUIT WITH PULL STRING CAPPED ON BOTH ENDS FROM NEW TRANSFORMER PAD TO NEW UTILITY POLE LOCATION EXTENDING 3FT OUT OF GROUND ON EACH END.
16	PROVIDE 2" UNDERGROUND CONDUIT FOR TECHNOLOGY CABLING FROM HANDHOLE TO NEW UTILITY POLE. REFER TO DETAIL 1/72.1 FOR MORE INFORMATION.
17	COORDINATE LOCATION OF SERVICE GATE IN FRONT OF TRANSFORMER FROM THE BUS DRIVE.
18	PROVIDE (1) 1 1/2" CONDUIT WITH PULL STRING FOR CAMERA CABLING FROM NETWORK RACK IN ELECTRICAL ROOM TO JUNCTION BOX IN BUS CANOPY D101. COORDINATE WORK WITH TECHNOLOGY CONTRACTOR.
19	PROVIDE (1) 1" CONDUIT WITH PULL STRING FOR CAMERA CABLING FROM NETWORK RACK IN ELECTRICAL ROOM TO CAMERA LOCATION. TURN UP CONDUIT INSIDE CANOPY AND PENETRATE THROUGH CANOPY WALL TO CAMERA ROUGH IN LOCATION WITH WEATHERPROOF BOX. COORDINATE WORK WITH TECHNOLOGY CONTRACTOR.

SHENANDOAH SCHOOL CORPORATION
NEW TRANSPORTATION CENTER

ISSUANCES/REVISIONS

CONSTRUCTION DOCUMENTS 09/02/2025

PROJECT NUMBER: 25107.00
DRAWN BY: CAE
CHECKED BY: CDH

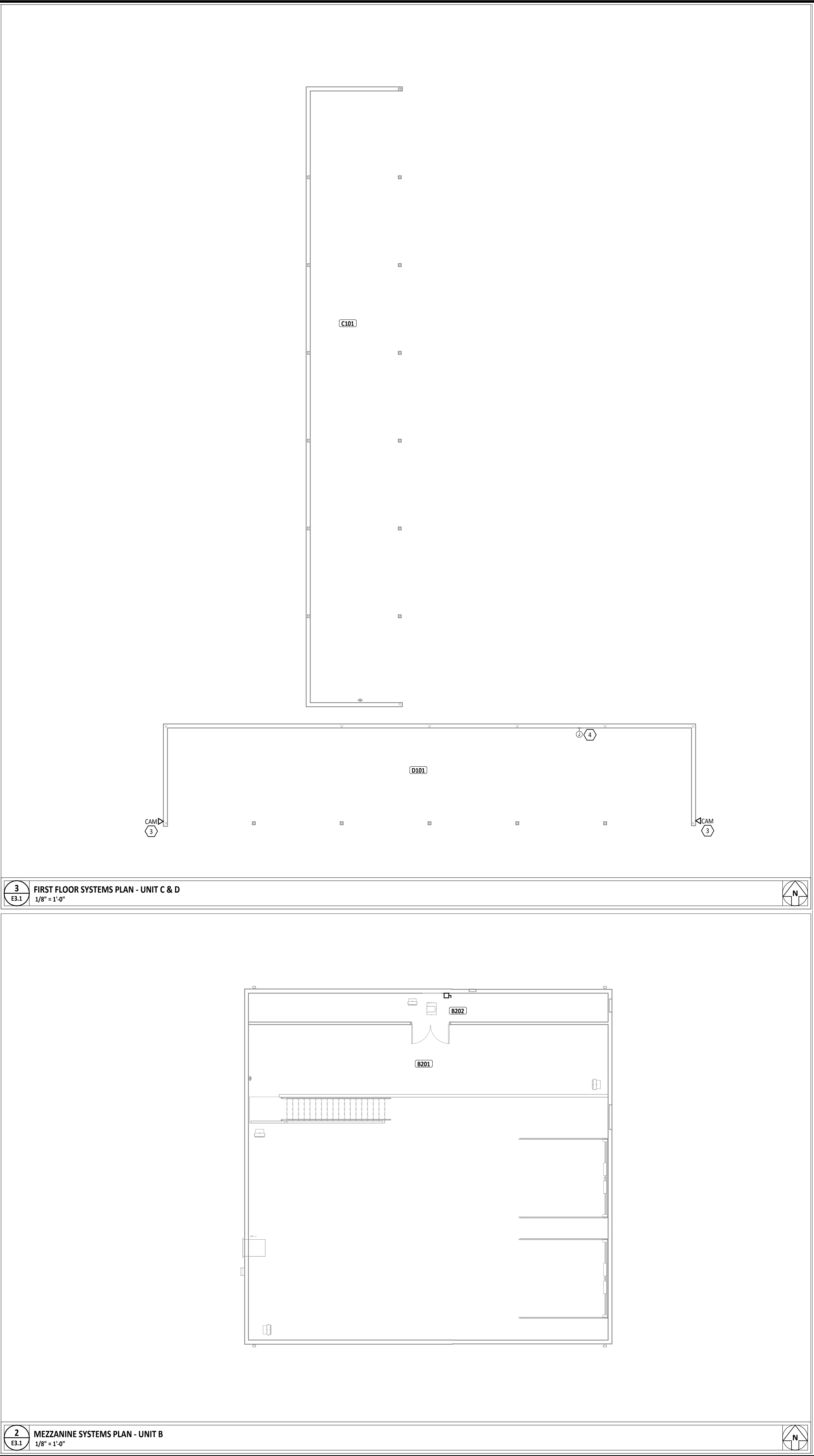
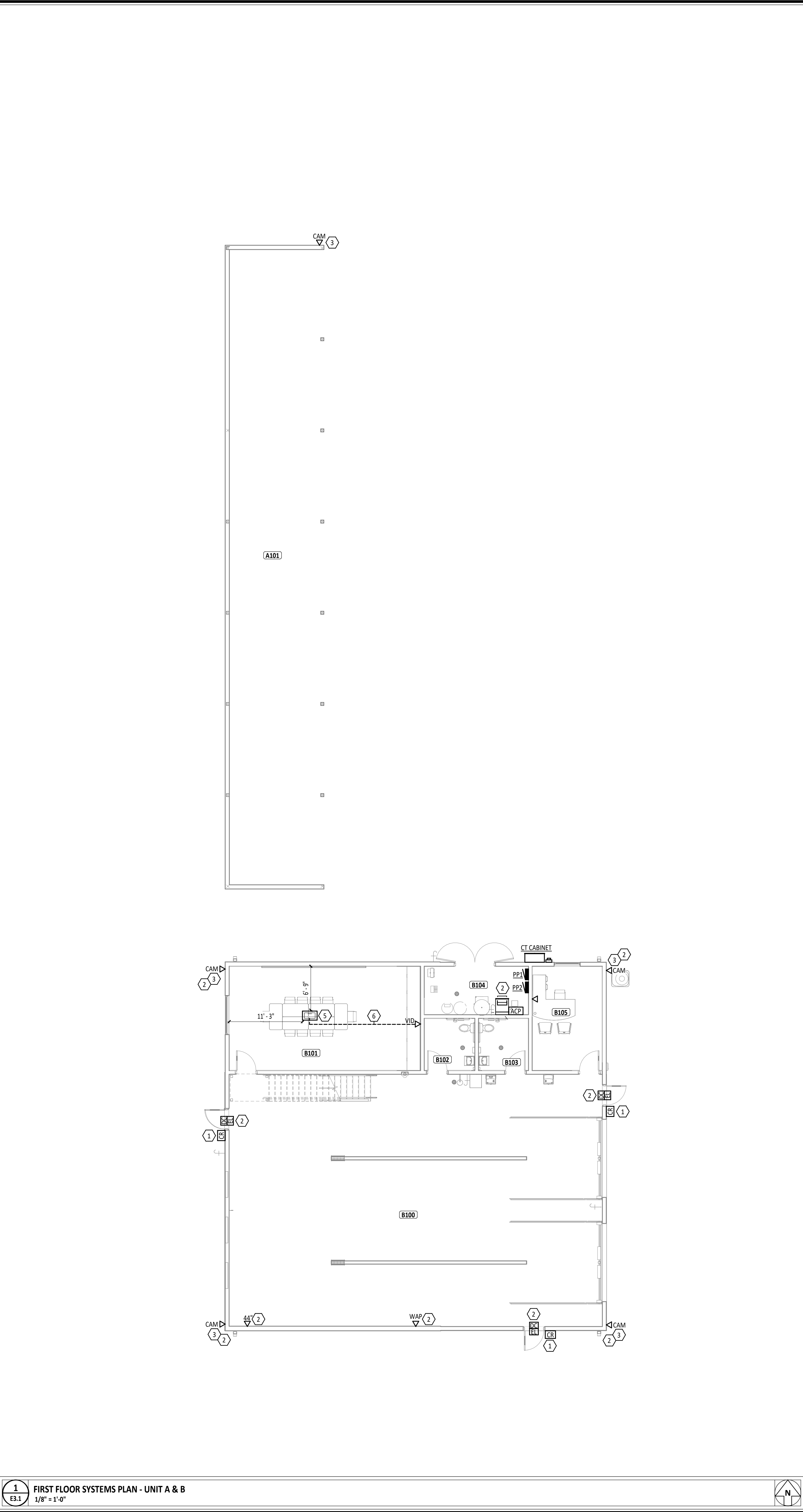
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SITE ELECTRICAL PLAN

SHEET NUMBER:

E2.1



Know what's below.
Call before you dig.



ROOM INDEX - UNIT A

ROOM NUMBER	ROOM NAME	AREA
A101	BUS CANOPY	1,479 SF

ROOM INDEX - UNIT B

ROOM NUMBER	ROOM NAME	AREA
B100	MAINTENANCE GARAGE	2,220 SF
B101	CONFERENCE ROOM	471 SF
B102	RESTROOM	62 SF
B103	RESTROOM	62 SF
B104	MECHANICAL/ELECTRICAL ROOM	119 SF
B105	OFFICE	173 SF
B201	MEZZANINE	643 SF
B202	EQUIPMENT PLATFORM	264 SF

ROOM INDEX - UNIT C

ROOM NUMBER	ROOM NAME	AREA
C101	BUS CANOPY	1,419 SF

ROOM INDEX - UNIT D

ROOM NUMBER	ROOM NAME	AREA
D101	MINI BUS CANOPY	1,329 SF

SYSTEMS GENERAL NOTES

A WHERE DEVICES ARE SHOWN UNDER CABINETS, CASEWORK, FURNITURE AND THE LIKE; REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT PLACEMENT SO THAT DEVICES SHALL BE LOCATED WITHIN KNEE SPACE OR OPEN AREA.

B ALL LOW VOLTAGE CABLING FOR THE SCOPE OF WORK BY DIVISION 26, 27, AND 28 IN EXPOSED CEILING SPACES SHALL BE ROUTED INSIDE CONDUIT. COORDINATE WITH INSTALLER OF EACH SYSTEM PRIOR TO ROUGH-IN. PAINT CONDUIT TO MATCH SURROUNDING AREA.

C CONDUIT IN EXPOSED CEILING SPACES SHALL BE CONCEALED INSIDE WALLS. EXPOSED CONDUIT SHALL ONLY BE ALLOWED IN JOIST SPACE NEAR ROOF.

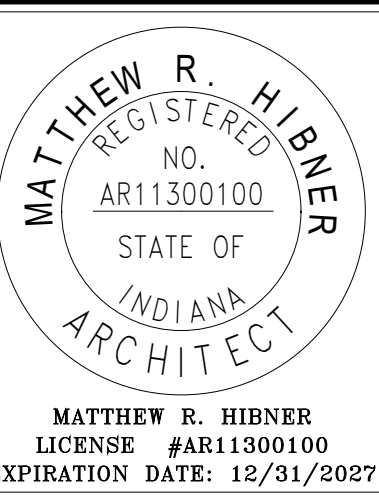
D ALL CONDUIT ENDS FOR CABLING NOT CONNECTED TO A BOX OR FITTING SHALL BE PROVIDED WITH NYLON BUSHINGS TO PROTECT CABLING FROM DAMAGE.

E ALL MOUNTING HEIGHTS REFER TO BOTTOM OF BOX, UNO.

KEYNOTE LEGEND

#	KEYNOTE DESCRIPTION
1	ROUGH-IN FOR FOB READER AT 44" A.F.F. COORDINATE REQUIREMENTS WITH DIVISION 28.
2	PROVIDE PATHWAYS FOR DIVISION 26 & 27 LOW VOLTAGE CABLING IN EXPOSED CEILING SPACE. LOW VOLTAGE AND SYSTEM CABLING SHALL BE ROUTED INSIDE CONDUIT WITH NO EXPOSED CABLING. REFER TO SPECIFICATIONS AND "TC" DRAWINGS FOR ADDITIONAL INFORMATION. COORDINATE WITH INSTALLER OF EACH SYSTEM PRIOR TO ROUGH-IN.
3	PROVIDE SINGLE GANG, FLUSH MOUNTED JUNCTION BOX ON EXTERIOR OF BUILDING WITH 1" CONDUIT STUBBED TO INSIDE. PROVIDE PLASTIC BUSHING ON END OF CONDUIT AND WEATHERPROOF BLANK COVER FOR EXTERIOR BOX. REFERENCE TECHNOLOGY DRAWINGS FOR MORE DETAILS. COORDINATE WORK WITH TECHNOLOGY CONTRACTOR PRIOR TO ROUGH-IN.
4	PROVIDE 12"x12"x6" JUNCTION BOX FOR TECHNOLOGY CABLING. COORDINATE EXACT PLACEMENT WITH TECHNOLOGY CONTRACTOR.
5	FOR FLOOR BOX REFER TO POWER PLANS FOR MORE INFORMATION.
6	PROVIDE (1) 1 1/2" CONDUIT SHALL BE RAN UNDERGROUND FROM FLOOR BOX TO VID WALL ROUGH IN FOR ACCESS BY TECHNOLOGY CONTRACTOR.

KEY PLAN



SHENANDOAH SCHOOL CORPORATION NEW TRANSPORTATION CENTER

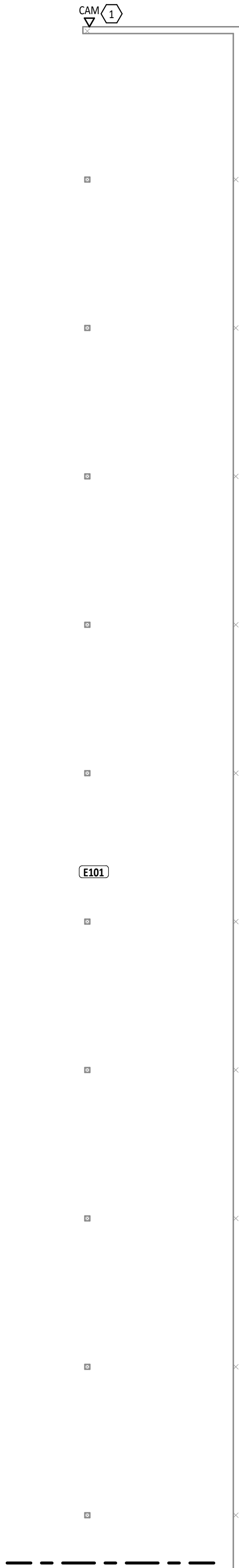
5108 N. LAUREL ROAD, JORDANSTOWN, IN 47355

ISSUANCES/REVISIONS		
CONSTRUCTION DOCUMENTS	09/02/2025	

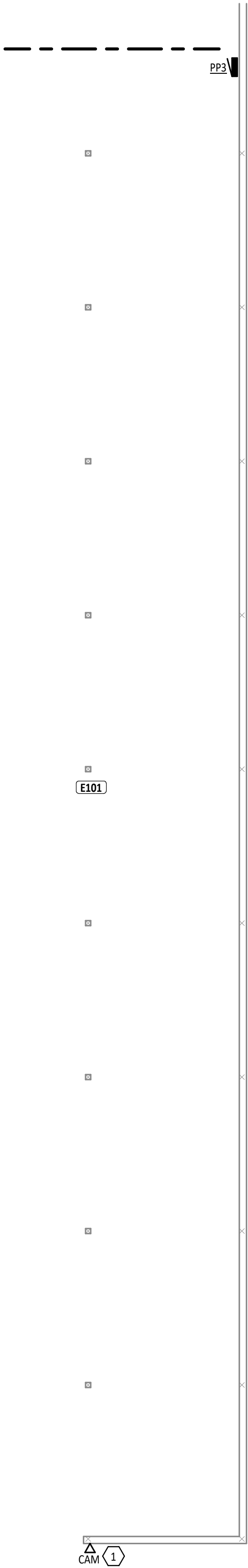
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25107.00	CAE	CDH

SHEET TITLE:
**SYSTEMS PLAN -
UNIT A, B, C & D**

SHEET NUMBER:
E3.1



1 FIRST FLOOR SYSTEMS PLAN - UNIT E NORTH
E3.2 1/8" = 1'-0"



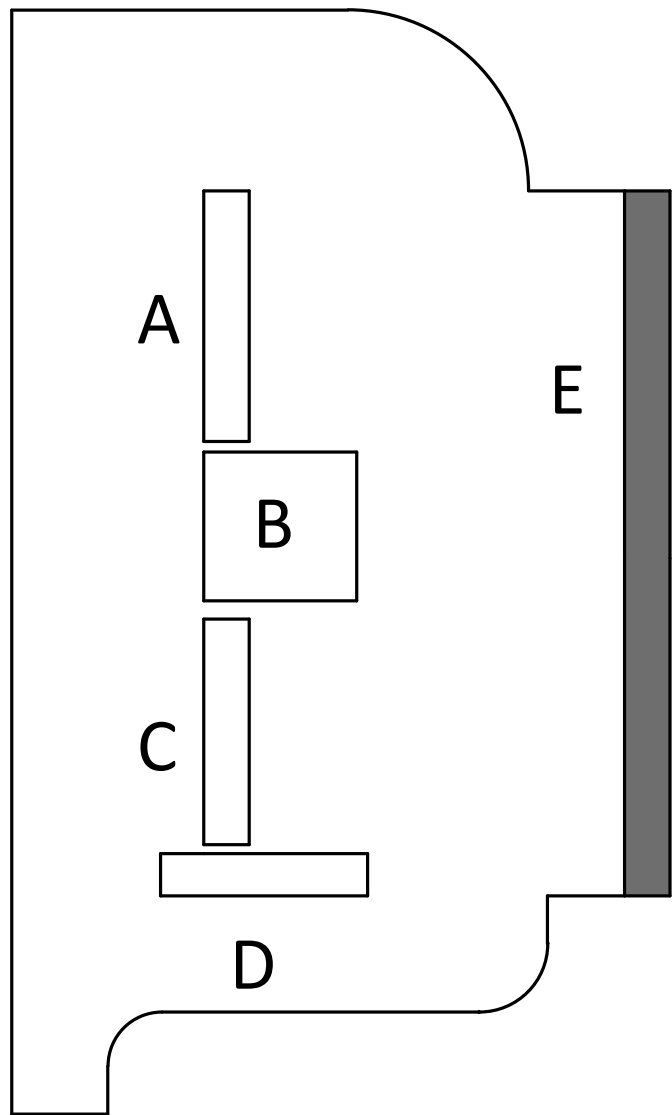
2 FIRST FLOOR SYSTEMS PLAN - UNIT E SOUTH
E3.2 1/8" = 1'-0"



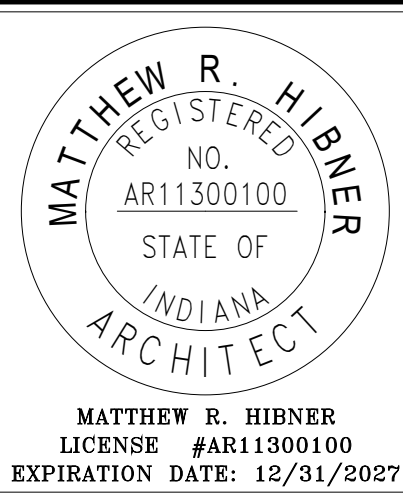
ROOM INDEX - UNIT E		
ROOM NUMBER	ROOM NAME	AREA
E101	BUS CANOPY	3,849 SF

- SYSTEMS GENERAL NOTES**
- A WHERE DEVICES ARE SHOWN UNDER CABINETS, CASEWORK, FURNITURE AND THE LIKE, REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT PLACEMENT SO THAT DEVICES SHALL BE LOCATED WITHIN KNEE SPACE OR OPEN AREA.
 - B ALL LOW VOLTAGE CABLING FOR THE SCOPE OF WORK BY DIVISION 26, 27, AND 28 IN EXPOSED CEILING SPACES SHALL BE ROUTED INSIDE CONDUIT. COORDINATE WITH INSTALLER OF EACH SYSTEM PRIOR TO ROUGH-IN. PAINT CONDUIT TO MATCH SURROUNDING AREA.
 - C CONDUIT IN EXPOSED CEILING SPACES SHALL BE CONCEALED INSIDE WALLS. EXPOSED CONDUIT SHALL ONLY BE ALLOWED IN JOIST SPACE NEAR ROOF.
 - D ALL CONDUIT ENDS FOR CABLING NOT CONNECTED TO A BOX OR FITTING SHALL BE PROVIDED WITH NYLON BUSHINGS TO PROTECT CABLING FROM DAMAGE.
 - E ALL MOUNTING HEIGHTS REFER TO BOTTOM OF BOX, UNO.

KEYNOTE LEGEND	
#	KEYNOTE DESCRIPTION
1	PROVIDE SINGLE GANG, FLUSH MOUNTED JUNCTION BOX ON EXTERIOR OF BUILDING WITH 1" CONDUIT STUBBED TO INSIDE. PROVIDE PLASTIC BUSHING ON END OF CONDUIT AND WEATHERPROOF BLANK COVER FOR EXTERIOR BOX. REFERENCE TECHNOLOGY DRAWINGS FOR MORE DETAILS. COORDINATE WORK WITH TECHNOLOGY CONTRACTOR PRIOR TO ROUGH-IN.



KEY PLAN



SHENANDOAH SCHOOL CORPORATION
NEW TRANSPORTATION CENTER

510 N LAUREL ROAD, JORDANSTOWN, IN 47355

ISSUANCES/REVISIONS

CONSTRUCTION DOCUMENTS	09/02/2025
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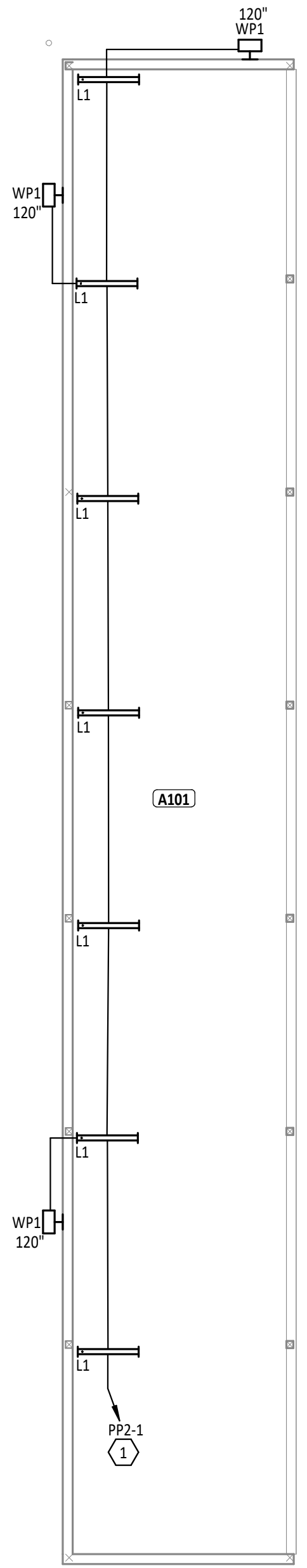
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25107.00	CAE	CDH

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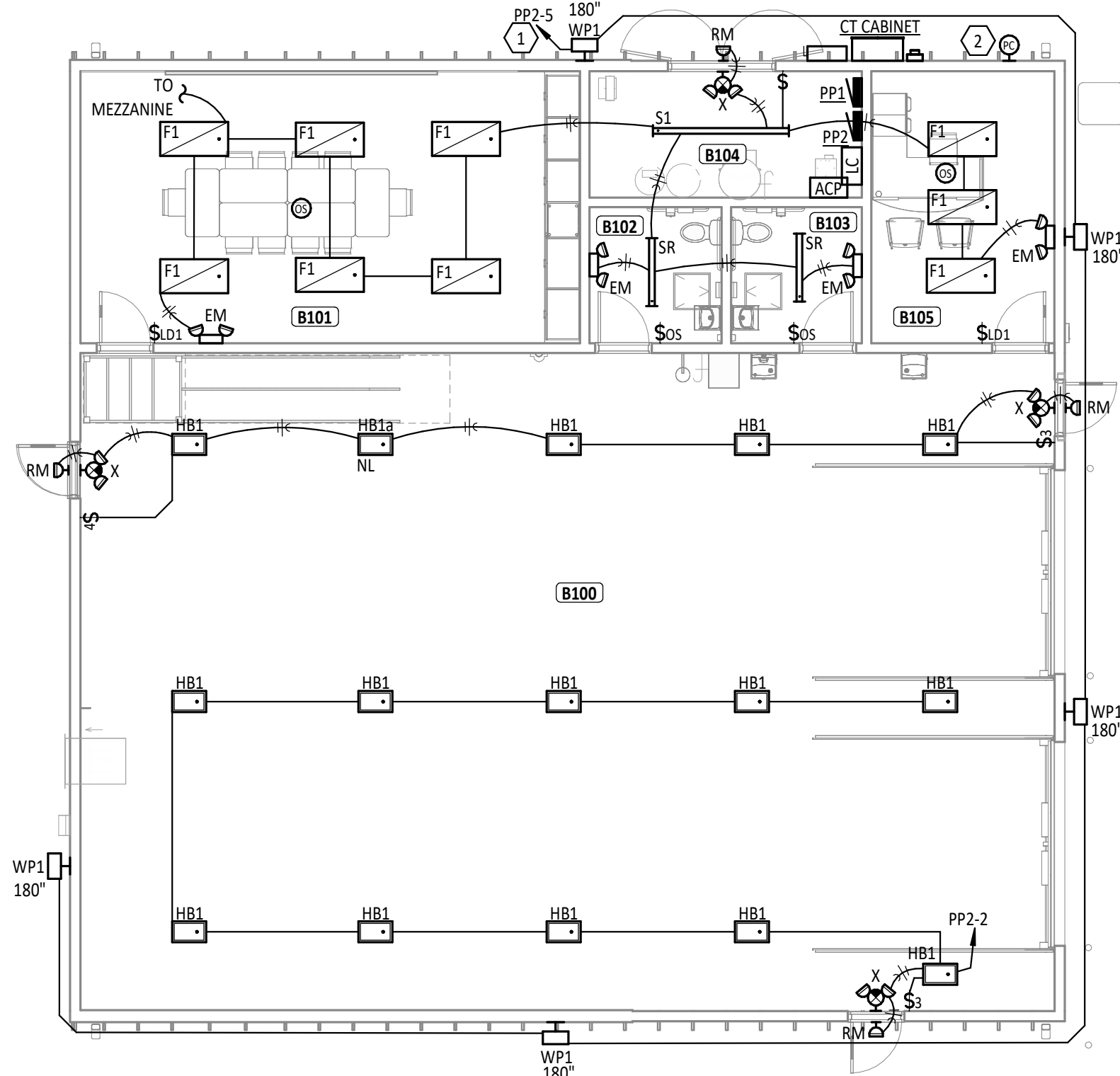
SYSTEMS PLAN -
UNIT E

SHEET NUMBER:

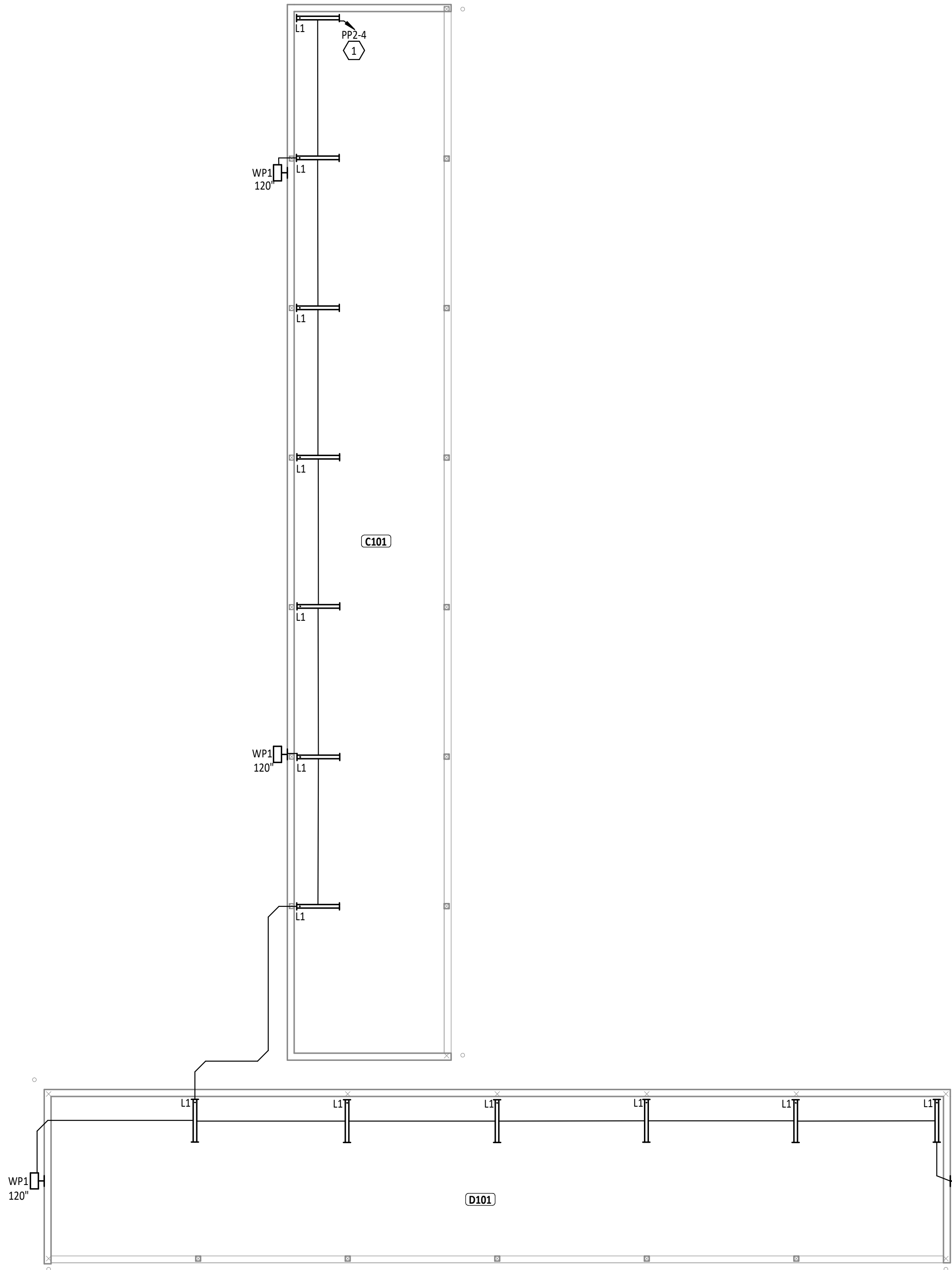
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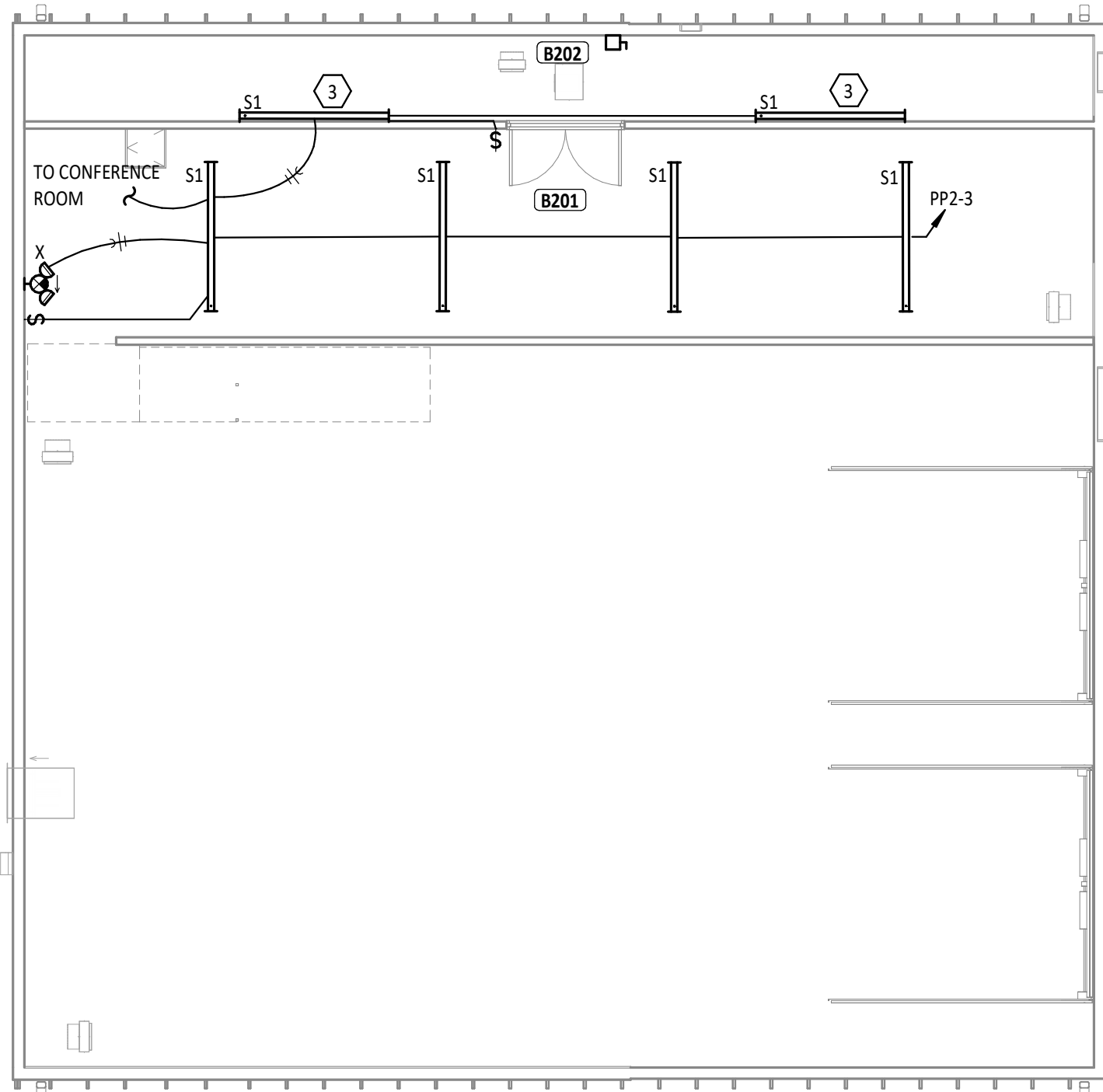
1
E4.1
FIRST FLOOR LIGHTING PLAN - UNIT A & B
1/8" = 1'-0"



2
E4.1
FIRST FLOOR LIGHTING PLAN - UNIT C & D
1/8" = 1'-0"



3
E4.1
SECOND FLOOR LIGHTING PLAN - UNIT B
1/8" = 1'-0"



KEY PLAN

ROOM INDEX - UNIT A		
ROOM NUMBER	ROOM NAME	AREA
A101	BUS CANOPY	1,479 SF

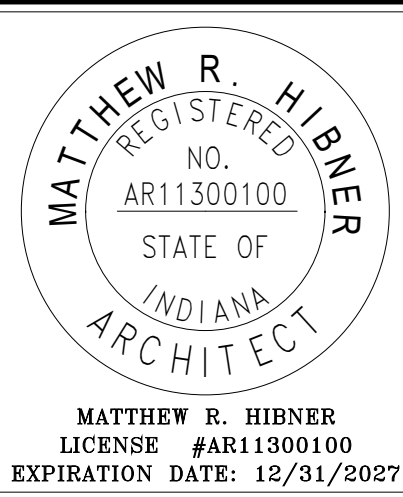
ROOM INDEX - UNIT B		
ROOM NUMBER	NAME	AREA
B100	MAINTENANCE GARAGE	2,220 SF
B101	CONFERENCE ROOM	471 SF
B102	RESTROOM	62 SF
B103	RESTROOM	62 SF
B104	MECHANICAL/ELECTRICAL ROOM	119 SF
B105	OFFICE	173 SF
B201	MEZZANINE	643 SF
B202	EQUIPMENT PLATFORM	264 SF

ROOM INDEX - UNIT C		
ROOM NUMBER	ROOM NAME	AREA
C101	BUS CANOPY	1,419 SF

ROOM INDEX - UNIT D		
ROOM NUMBER	ROOM NAME	AREA
D101	MINI BUS CANOPY	1,329 SF

- LIGHTING GENERAL NOTES**
- A REFER TO ARCHITECTURAL REFLECTED CEILING PLAN ON A1.1 FOR ADDITIONAL INFORMATION AND EXACT LOCATION OF LUMINAIRES.
 - B VERIFY EXACT LOCATION OF ALL LIGHT SWITCHES AND CONTROLS DEVICES WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGH-IN.
 - C WHERE MULTIPLE SWITCHES ARE GROUPED TOGETHER AT A SINGLE LOCATION, ALL SWITCHES SHALL BE INSTALLED UNDER A COMMON FACEPLATE.
 - D CIRCUIT ALL EMERGENCY LIGHTS, NIGHT LIGHTS (IF APPLICABLE) AND EXIT LIGHTS TO AN UNSWITCHED HOT CONDUCTOR, UPSTREAM OF ALL CONTROLS.
 - E REFER TO SHEET E4.2 FOR LUMINAIRE SCHEDULE AND ADDITIONAL INFORMATION.
 - F ALL MOUNTING HEIGHTS REFER TO BOTTOM OF LIGHT FIXTURE, UNO.
 - G ALL LIGHTING CONTROL DEVICES, RELAYS, ETC. ABOVE UN-IN CEILINGS SHALL BE MARKED WITH A BLACK 3/4" DIAMETER, PRESSURE-SENSITIVE ADHESIVE PAPER CIRCLE.

KEYNOTE LEGEND	
#	KEYNOTE DESCRIPTION
1	CIRCUIT TO BE ROUTED THROUGH LIGHTING CONTRACTOR FOR CONTROL OF EXTERIOR LIGHTS. REFER TO DETAIL 3/E1.2.
2	PROVIDE EXTERIOR PHOTOCELL AT HEIGHT NOTED, FACING NORTH. MOUNT TO WEATHERPROOF JUNCTION BOX. REFER TO DETAIL 3/E1.2.
3	LIGHT FIXTURE TO BE WALL MOUNTED AT 8' 0" AFF.



SHENANDOAH SCHOOL CORPORATION NEW TRANSPORTATION CENTER

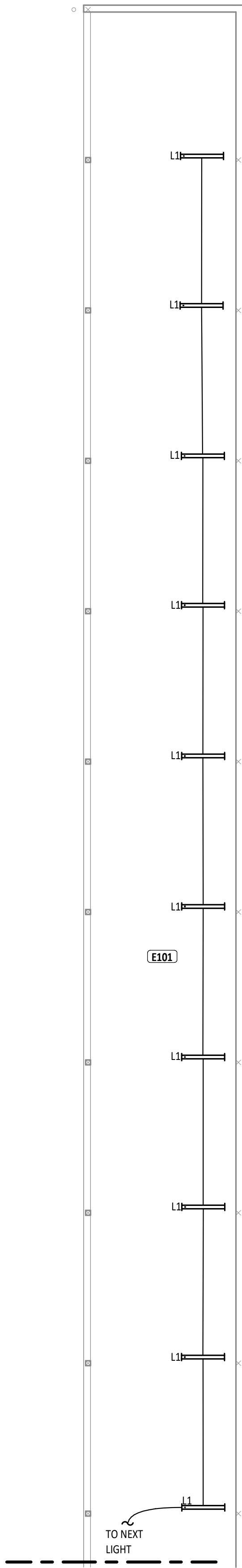
5100 N. LAUREL ROAD, ANDREWS, IN 47406

ISSUANCES/REVISIONS	
CONSTRUCTION DOCUMENTS	09/02/2025

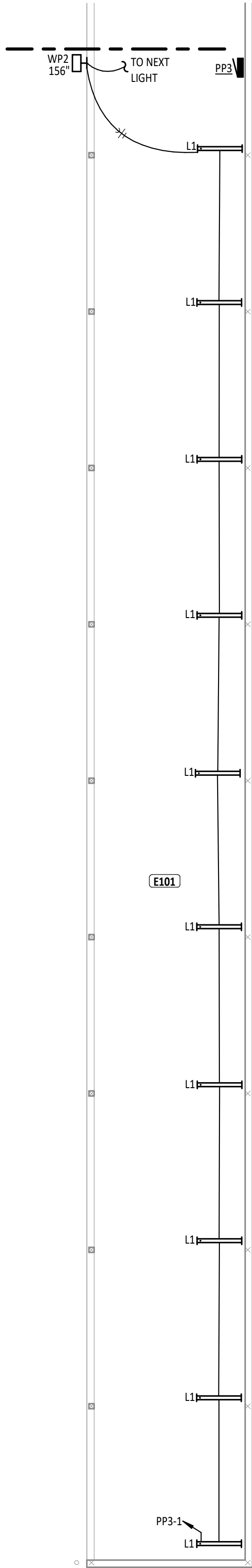
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25107.00	CAE	CDH

SHEET TITLE:	
LIGHTING PLAN - UNIT A, B, C & D	

SHEET NUMBER:
E4.1



1
E4.2
FIRST FLOOR LIGHTING PLAN - UNIT E NORTH
1/8" = 1'-0"



2
E4.2
FIRST FLOOR LIGHTING PLAN - UNIT E SOUTH
1/8" = 1'-0"

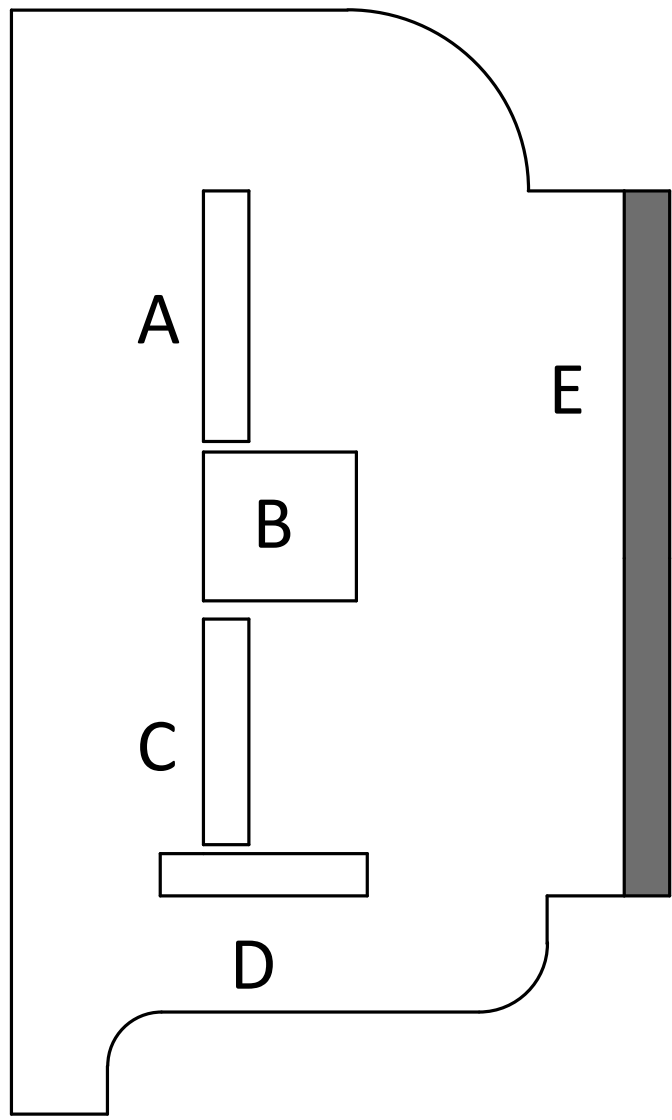
ROOM INDEX - UNIT E		
ROOM NUMBER	ROOM NAME	AREA
E101	BUS CANOPY	3,849 SF

KEYNOTE LEGEND	
#	KEYNOTE DESCRIPTION

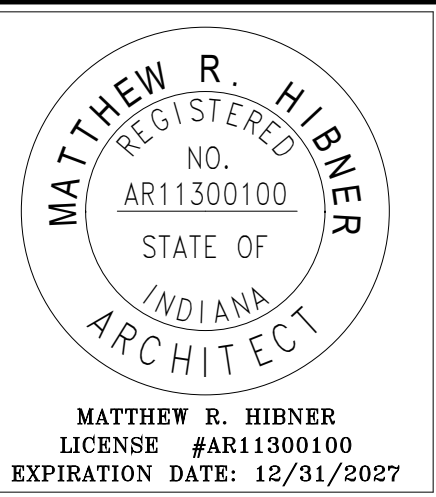
LIGHTING GENERAL NOTES

- A REFER TO ARCHITECTURAL REFLECTED CEILING PLAN ON A1.1 FOR ADDITIONAL INFORMATION AND EXACT LOCATION OF LUMINAIRES.
- B VERIFY EXACT LOCATION OF ALL LIGHT SWITCHES AND CONTROLS DEVICES WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGH-IN.
- C WHERE MULTIPLE SWITCHES ARE GROUPED TOGETHER AT A SINGLE LOCATION, ALL SWITCHES SHALL BE INSTALLED UNDER A COMMON FACEPLATE.
- D CIRCUIT ALL EMERGENCY LIGHTS, NIGHT LIGHTS (IF APPLICABLE) AND EXIT LIGHTS TO AN UNSWITCHED HOT CONDUCTOR, UPSTREAM OF ALL CONTROLS.
- E REFER TO SHEET E4.2 FOR LUMINAIRE SCHEDULE AND ADDITIONAL INFORMATION.
- F ALL MOUNTING HEIGHTS REFER TO BOTTOM OF LIGHT FIXTURE, UNDO.
- G ALL LIGHTING CONTROL DEVICES, RELAYS, ETC. ABOVE LAY-IN CEILINGS SHALL BE MARKED WITH A BLACK 3/4" DIAMETER, PRESSURE-SENSITIVE ADHESIVE PAPER CIRCLE.

LUMINAIRE SCHEDULE											
MARK	MOUNTING	LAMPS				BALLAST/DRIVER	FIXTURE VOLTAGE	INPUT WATTS	FIXTURE DESCRIPTION	COMMENTS	BASIS OF DESIGN & APPROVED MANUFACTURERS
		TYPE	MIN. LUMENS	CCT	CRI						
EM	WALL	LED	N/A	N/A	N/A	ELECTRONIC DRIVER	UNV	1 W	WALL MOUNT EMERGENCY FIXTURE WITH BATTERY BACKUP, WHITE IN COLOR	MOUNT AT 8' 0" ABOVE AFF.	LITHONIA ELM6L UVOLT LTP SDRT OR EQUIVALENT
F1	RECESSED	LED	4000 lm	4000K	80 CRI	0-10V DIMMING DOWN TO 10%	UNV	30 W	2FT X 4FT FLAT PANEL FIXTURE, SWITCHABLE COLOR TEMPERATURE AND LUMENS, WHITE IN COLOR	SET TO 4000LM AND 4000K CCT.	LITHONIA CPANL 2X4 ALD6 5W17 M2 OR EQUIVALENT
HB1	SUSPENDED	LED	12000 lm	4000K	80 CRI	0-10V DIMMING DOWN TO 10%	UNV	80 W	2FT LINEAR HIGH BAY LIGHT, MVOLT, WHITE IN COLOR	1' 0" SUSPENDED MOUNTING FROM CEILING.	LITHONIA IBE L24 12000LM ATC MD MVOLT G210 40K 80CRI DWH OR EQUIVALENT
HB1a	SUSPENDED	LED	12000 lm	4000K	80 CRI	0-10V DIMMING DOWN TO 10%	UNV	80 W	2FT LINEAR HIGH BAY LIGHT, NIGHT LIGHT FIXTURE, MVOLT, WHITE IN COLOR	1' 0" SUSPENDED MOUNTING FROM CEILING.	LITHONIA IBE L24 12000LM ATC MD MVOLT G210 40K 80CRI DWH OR EQUIVALENT
L1	PENDANT	LED	4000 lm	4000K	80 CRI	0-10V DIMMING DOWN TO 10%	UNV	28 W	4FT LINEAR FIXTURE, PHOTCELL, OCCUPANCY SENSOR, U.L. WET LISTED, WHITE IN COLOR	MOUNT AT 11' 0" AFF.	LITHONIA FEM L48 4000LM LPAFL MD MVOLT G210 40K 80CRI WLPMP SBOR10 OR EQUIVALENT
P1	25'-0" POLE	LED	16000 lm	4000K	80 CRI	0-10V DIMMING DOWN TO 10%	UNV	183 W	POLE MOUNTED LED AREA LUMINAIRE ON SQUARE POLE, DARK BRONZE IN COLOR		LITHONIA DSX1 LED P4 40K 70CRI T4M MVOLT SPA PIR DDBXD OR EQUIVALENT
RM	WALL	LED	320 lm	N/A	N/A	ELECTRONIC DRIVER	UNV	3 W	WALL MOUNT REMOTE EGRESS LIGHT, UNIVERSAL VOLTAGE, SINGLE LAMP, DARK BRONZE IN COLOR	MOUNT AT 8' 0" ABOVE AFF.	LITHONIA ELMRW SP640L DDBTXD SGL OR EQUIVALENT
S1	SURFACE	LED	6000 lm	4000K	80 CRI	0-10V DIMMING DOWN TO 10%	UNV	28 W	8FT LED STRIP LIGHT FIXTURE, MVOLT, WHITE IN COLOR	MOUNT TO STRUCTURE/CEILING.	LITHONIA CLK L96 6000LM SEF RDL MVOLT G210 40K 80CRI WH OR EQUIVALENT
SR	SURFACE	LED	4000 lm	4000K	80 CRI	0-10V DIMMING DOWN TO 10%	UNV	53 W	4FT WRAP AROUND FIXTURE, SELECTABLE LUMENS AND COLOR TEMPERATURE, WHITE IN COLOR	SET TO 4000LM AND 4000K CCT.	LITHONIA TRUM 48 ALD6 CMP 85W17 2T MVOLT OR EQUIVALENT
WP1	WALL	LED	7200 lm	4000K	80 CRI	0-10V DIMMING DOWN TO 10%	UNV	52 W	LARGE WALL PACK DESIGN, U.L. WET LISTED, BRONZE IN COLOR	MOUNT AT HEIGHTS SHOWN ON PLANS.	LITHONIA DSXW2 LED P4 40K 80CRI T4M MVOLT SRM DDBXD OR EQUIVALENT
WP2	WALL	LED	7200 lm	4000K	80 CRI	0-10V DIMMING DOWN TO 10%	UNV	52 W	LARGE WALL PACK DESIGN, PHOTOCCELL, U.L. WET LISTED, BRONZE IN COLOR	MOUNT AT 13' 0" AFF.	LITHONIA DSXW2 LED P4 40K 80CRI T4M MVOLT SRM PE DDBXD OR EQUIVALENT
X	WALL	LED	N/A	N/A	N/A	ELECTRONIC DRIVER	UNV	3 W	WALL MOUNT EXIT LIGHT WITH EMERGENCY OPERATION, BATTERY BACKUP, STENCIL FACE, MVOLT, RED/GREEN SWITCHABLE LENS, WHITE IN COLOR	MOUNT AT 8' 0" AFF.	LITHONIA LHQM S W RG MVOLT HO SD OR EQUIVALENT



KEY PLAN



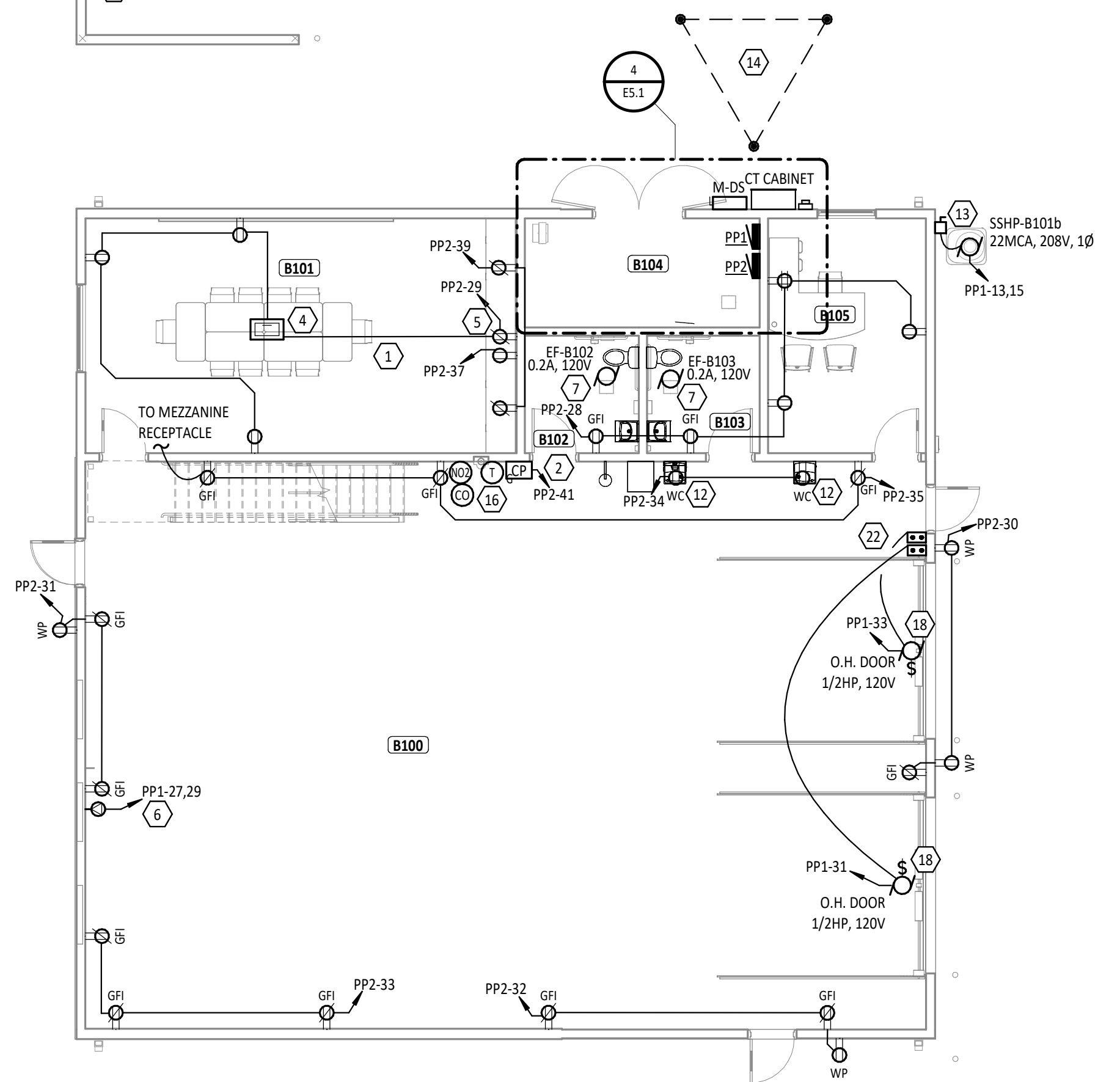
**SHENANDOAH SCHOOL CORPORATION
NEW TRANSPORTATION CENTER**

ISSUANCES/REVISIONS	
CONSTRUCTION DOCUMENTS	09/02/2025

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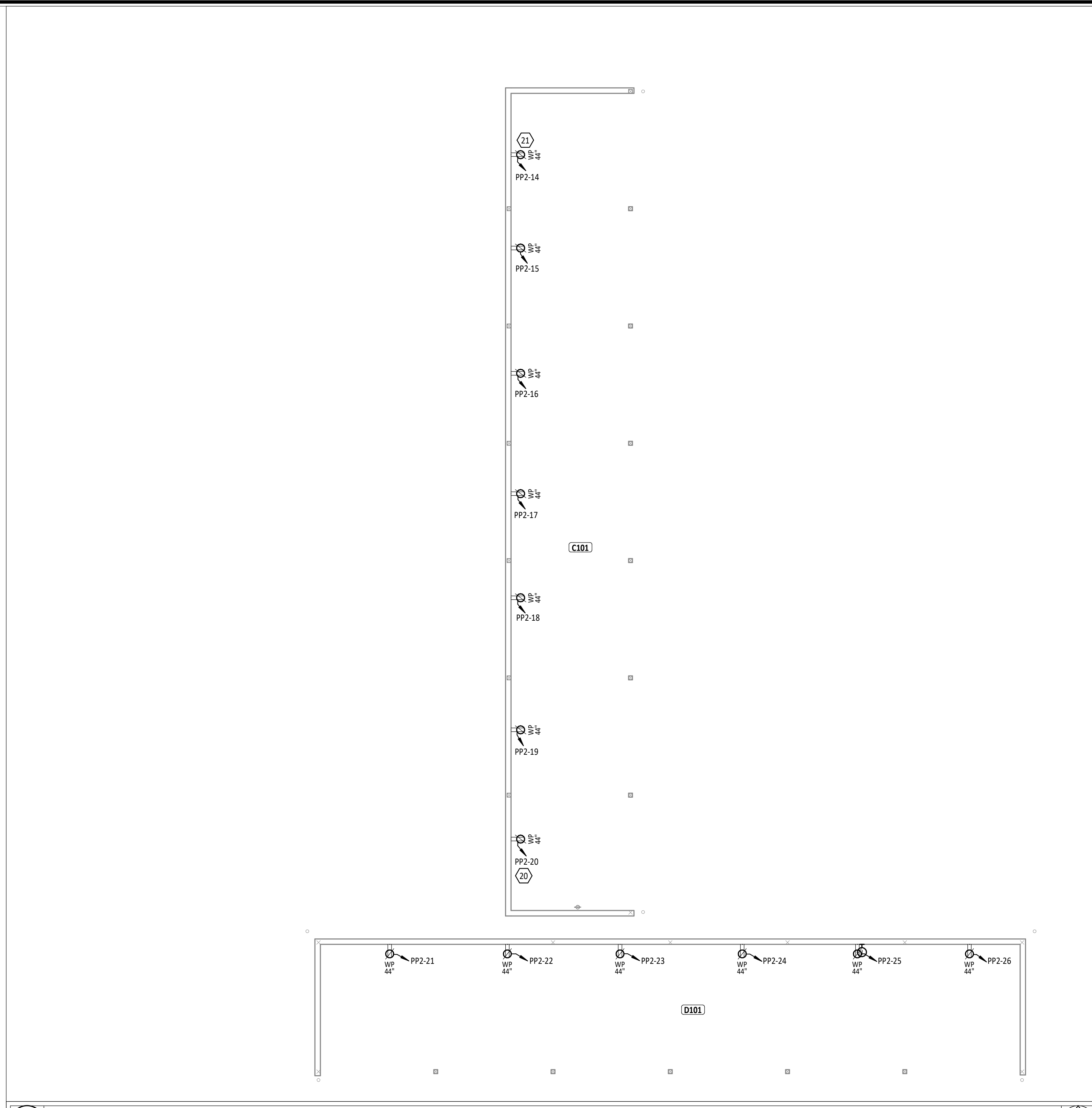
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LIGHTING PLAN - UNIT E, LUMINAIRE SCHEDULE	

SHEET NUMBER:
E4.2



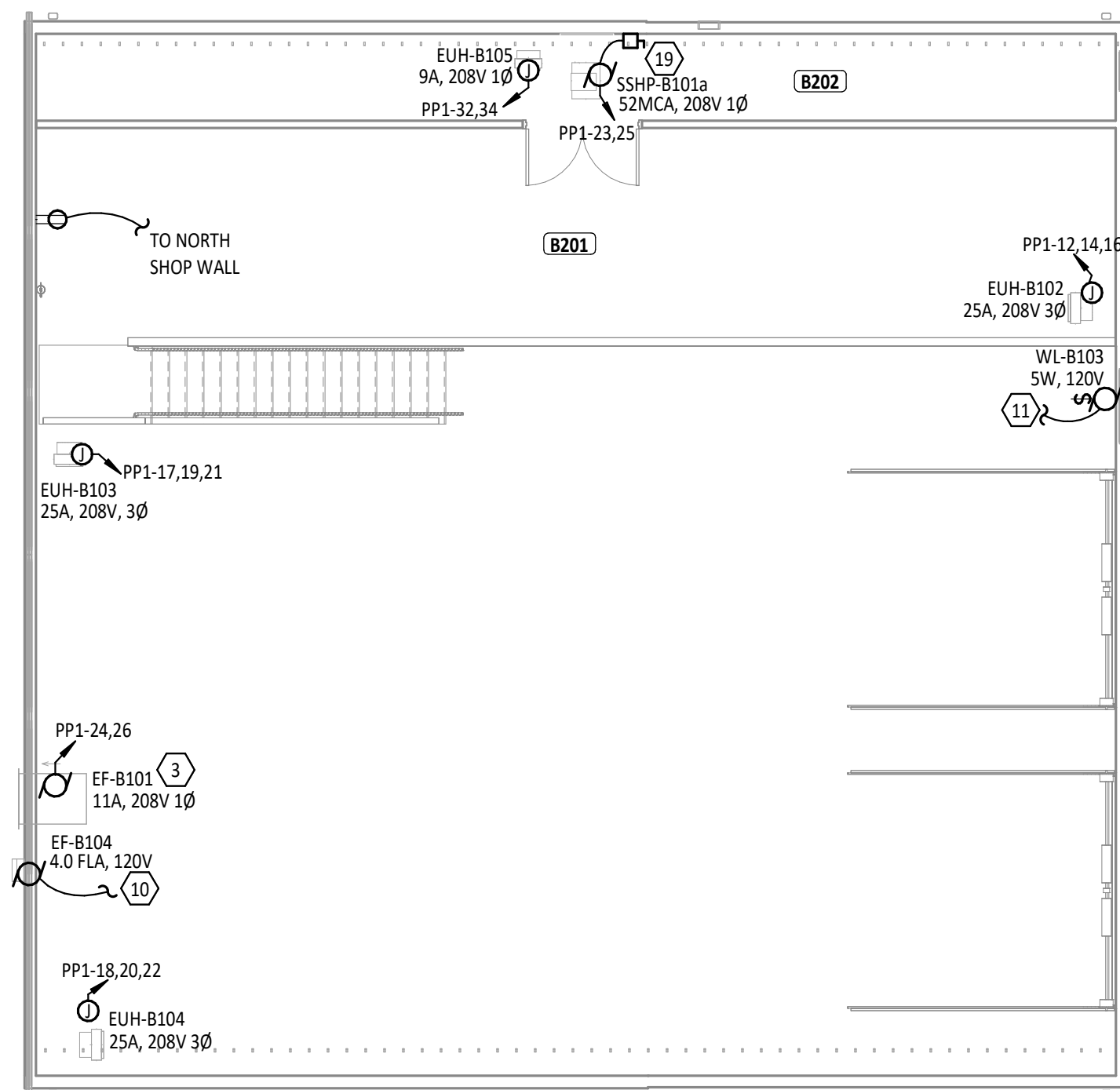
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E5.1

FIRST FLOOR POWER PLAN - UNIT A & B
1/8" = 1'-0"



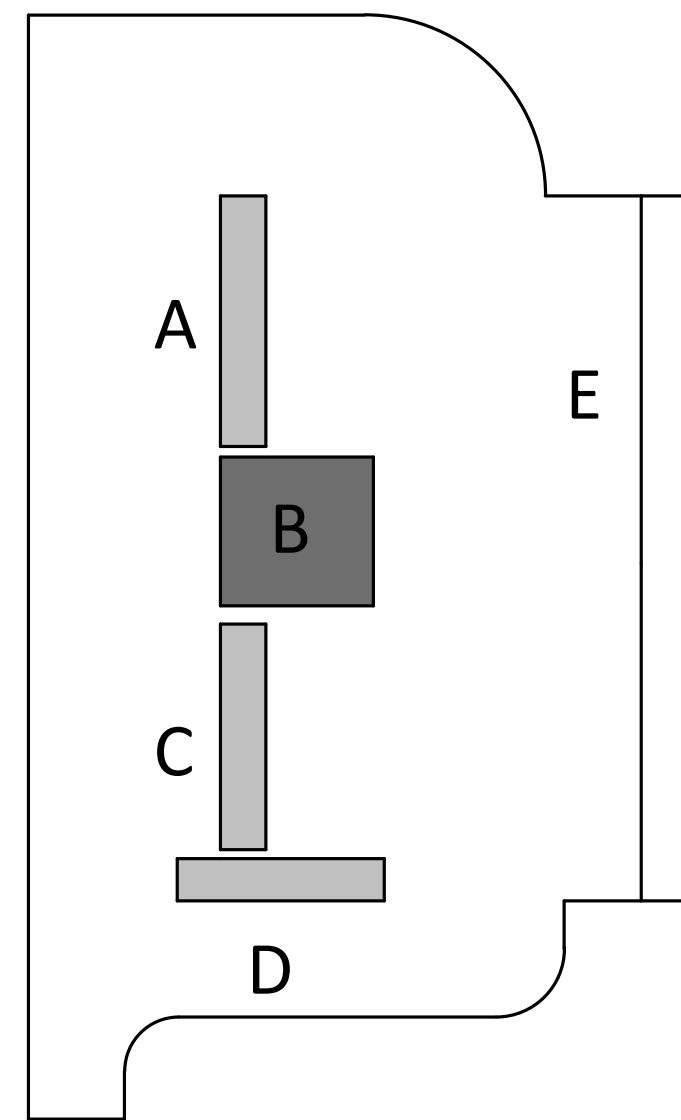
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E5.1

FIRST FLOOR POWER PLAN - UNIT C & D
1/8" = 1'-0"



3 SECOND FLOOR POWER PLAN - UNIT B

#	KEYNOTE DESCRIPTION
1	1" CONDUIT TO OUTLET FOR FLOOR POWER.
2	PROVIDE A SELF-CONTAINED CO/NO DETECTION SYSTEM EXIST. TO MACUGRO C.O.A., PROVIDE AN OVERHEAD SWITCH, RELAYS AND CONTACTORS NEEDED FOR A COMPLETE SYSTEM. CONTROL PANEL SHALL BE INTERCONNECTED TO EF-101 AND LOUVER WL-103. COORDINATE WITH MECHANICAL CONTRACTOR. REFERENCE DETAIL 2/E1.2
3	EXHAUST FAN AND DAMPER TO BE CONTROLLED BY CO/NO CONTROL PANEL AND OVERIDE SWITCH. PROVIDE ALL ELECTRICAL CONNECTIONS. SEE DETAIL 2/E1.2 FOR MORE INFORMATION. COORDINATE WORK WITH MECHANICAL CONTRACTOR.
4	FLOOR BOX TO CONTAIN TWO DUPLEX RECEPTABLES AND TWO DATA OUTLETS AND HDMI FOR COMPUTERS). PROVIDE A BOX EXIST TO THE WIREMOLD RBA6R300G FLOOR BOX. PROVIDE THE PROPER COVER FOR THE ASSOCIATED ROOM FLOOR TYPE.
5	RECEPTACLE FOR TV SHALL BE COORDINATED WITH TECHNOLOGY CONTRACTOR FOR EXACT HEIGHT.
6	PROVIDE RECEPTACLE FOR OWNER SUPPLIED AIR COMPRESSOR. COORDINATE LOCATION AND RECEPTACLE CONFIGURATION WITH OWNER.
7	EXHAUST FAN TO BE CONNECTED IN LINE WITH LIGHT TO RUN WHEN LIGHT IS ON.
8	EXHAUST FAN TO RUN CONTINUOUSLY FOR AIR CIRCULATION. CONNECT TO POWER TO LIGHTING CIRCUIT.
9	PROVIDE RECEPTACLE FOR WATER SOFTNER SYSTEM. COORDINATE LOCATION WITH PLUMBING CONTRACTOR.
10	EXHAUST FAN R-8104 TO BE CONNECTED TO SHOP LIGHTING CIRCUIT AND SHALL RUN CONTINUOUSLY. MANUAL OVERRIDE SWITCH BY DIVISION 26.
11	LOUVER POWER TO BE CONNECTED WITH CO/NO SYSTEM CIRCUIT. PROVIDE RECEPTACLE FOR WATER COOLER. COORDINATE EXACT MOUNTING LOCATION OF RECEPTACLE WITH PLUMBING CONTRACTOR. REFERENCE DETAIL 1/E1.2.
13	PROVIDE 30A, 208V, 2-POLE HEAVY DUTY NON-FUSED DISCONNECT IN NEMA 3R ENCLOSURE.
14	GROUNDING GRID. REFERENCE DETAIL 5/1.2 FOR ADDITIONAL INFORMATION. COORDINATE LOCATION WITH OTHER EQUIPMENT IN AREA.
15	PROVIDE 60A, 208V, 3-POLE HEAVY DUTY DISCONNECT IN NEMA 3R ENCLOSURE.
16	PROVIDE A 120V CONNECTION FOR LINE VOLT THERMOSTAT. COORDINATE EXIST LOCATION AND REQUIREMENTS WITH MECHANICAL CONTRACTOR.
17	PROVIDE 1/2" CONDUIT FROM BUS CANOPY D101 TO MAIN ELECTRICAL ROOM FOR ELECTRICAL WIRING.
18	PROVIDE POWER AND CONTROL CONNECTIONS TO OVERHEAD DOD MOTOR. COORDINATE MOTOR LOCATION WITH G.C. AND OVERHEAD DOD INSTALLER.
19	PROVIDE 60A, 208V, 2-POLE HEAVY DUTY NON-FUSED DISCONNECT IN NEMA 1 ENCLOSURE.
20	PROVIDE 1" CONDUIT FROM BUS CANOPY C101 TO BUS CANOPY D101 FOR ELECTRICAL WIRING.
21	PROVIDE 2" CONDUIT FROM BUS CANOPY C101 TO MAIN ELECTRICAL ROOM FOR ELECTRICAL WIRING.
22	COORDINATE PUSH BUTTON LOCATIONS WITH OWNER.



KEY PLAN



**SHENANDOAH SCHOOL CORPORATION
NEW TRANSPORTATION CENTER**

100 N RAINDER ROAD, MIDDLETOWN, IN 47356

ISSUANCES/REVISIONS		
	CONSTRUCTION DOCUMENTS	09/02/2022

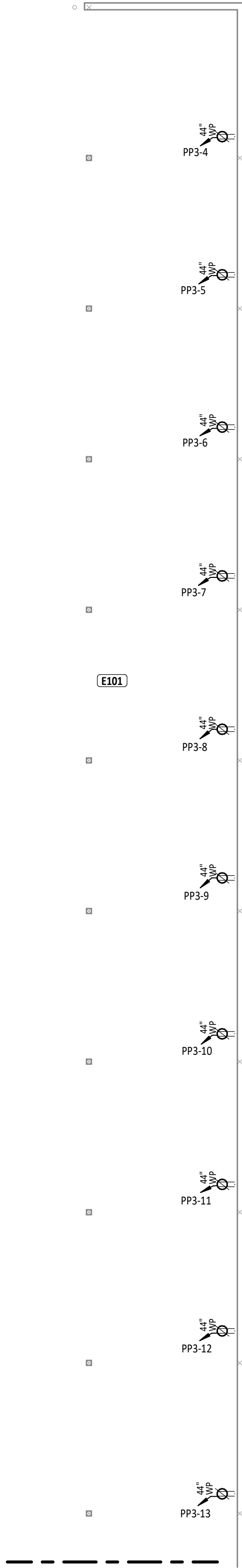
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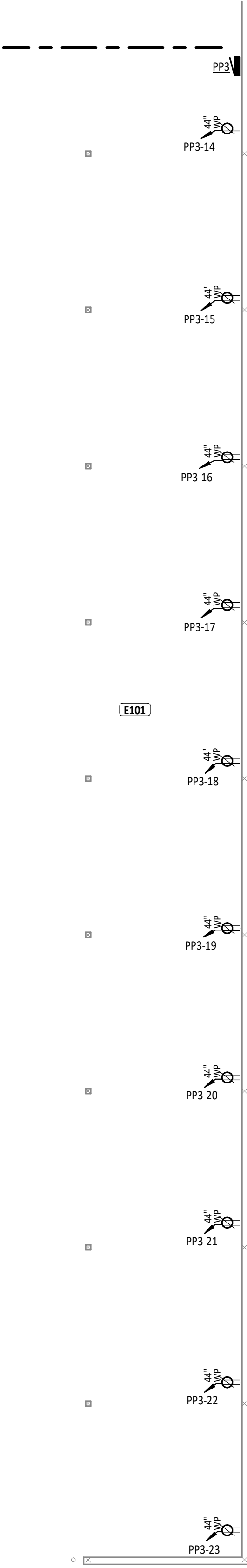
POWER PLAN - UNIT A, B, C & D

SHEET NUMBER

E5.1



1 FIRST FLOOR POWER PLAN - UNIT E NORTH
ES.2 1/8" = 1'-0"



2 FIRST FLOOR POWER PLAN - UNIT E SOUTH
ES.2 1/8" = 1'-0"



ROOM INDEX - UNIT E		
ROOM NUMBER	ROOM NAME	AREA
E101	BUS CANOPY	3,849 SF

POWER GENERAL NOTES

A WHERE DEVICES ARE SHOWN UNDER CABINETS, CASEWORK, FURNITURE AND THE LIKE, REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT PLACEMENT SO THAT DEVICES SHALL BE LOCATED WITHIN KNEE SPACE OR OPEN AREA.

B CASEWORK INSTALLER SHALL CUT HOLES IN CASEWORK FOR RECEPTACLES, DEVICES, ETC., UNLESS NOTED OTHERWISE.

C ALL CONDUCTORS FOR EQUIPMENT CONNECTIONS SHALL BE COPPER UNLESS NOTED OTHERWISE AND APPROVED BY THE MANUFACTURER.

D COORDINATE WITH ALL OTHER TRADES TO MAINTAIN ALL REQUIRED CLEARANCES ABOUT ELECTRICAL EQUIPMENT WITH ACCORDANCE TO THE NATIONAL ELECTRICAL CODE.

E REFER TO MECHANICAL, PLUMBING, AND OTHER APPLICABLE DRAWINGS FOR EXACT EQUIPMENT LOCATIONS.

F MAINTAIN ALL FIRE RATINGS WHERE CONDUIT PENETRATES WALL, CEILINGS, AND FLOORS WITH ONLY U.L. LISTED FIRE ASSEMBLIES.

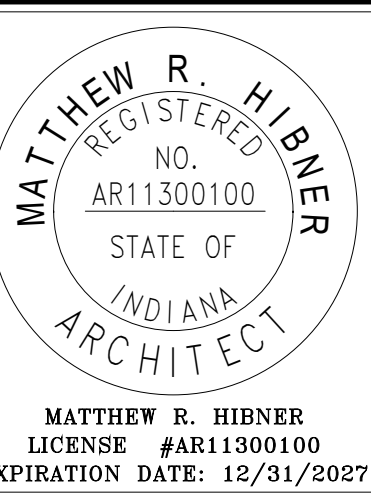
G ALL MOUNTING HEIGHTS REFER TO BOTTOM OF BOX, UNO.

KEYNOTE LEGEND	
#	KEYNOTE DESCRIPTION

ISSUANCES/REVISIONS		
PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
25107.00	CAE	CDH

SHEET TITLE:		
POWER PLAN - UNIT E		

SHEET NUMBER:		
E5.2		

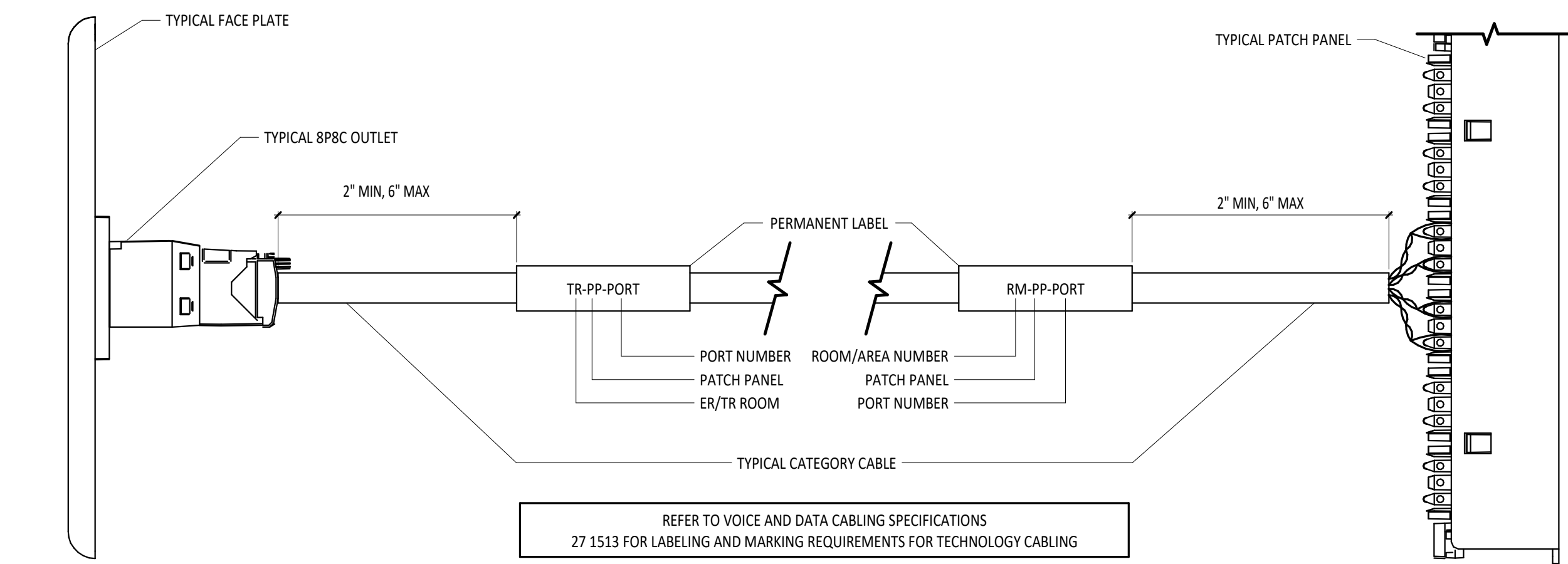


SHENANDOAH SCHOOL CORPORATION NEW TRANSPORTATION CENTER

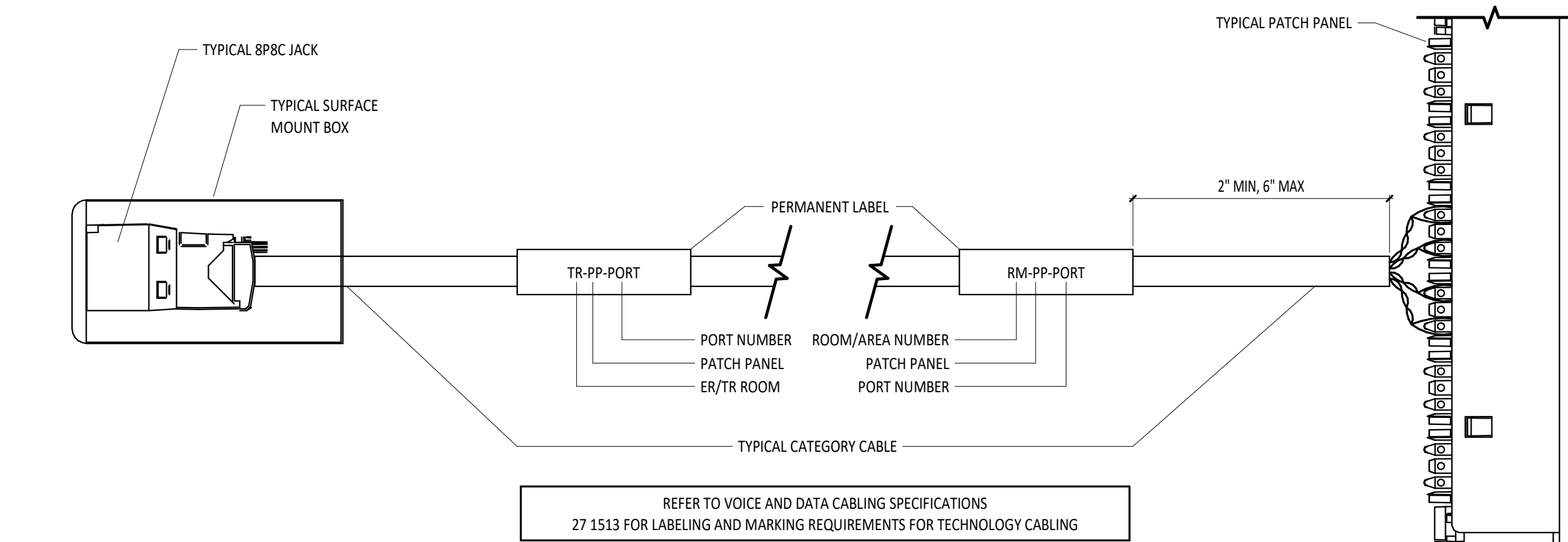
5100 N LAUREL ROAD, JARVIS TOWNSHIP, IN 47135

TECHNOLOGY CABLING SYMBOLS			
REFER TO FACEPLATE ELEVATIONS FOR MORE INFORMATION ON TECHNOLOGY OUTLETS.			
SYMBOL	DESCRIPTION	MOUNTING LOC.	HT.
	DATA OUTLET	WALL	16", UNO
	VOICE/DATA OUTLET		
	VOICE OUTLET	WALL	44"
*IF INDICATES NUMBER OF VOICE AND / OR DATA CABLES TO BE PROVIDED AT EACH LOCATION			
	LOCAL INPUT OUTLET. 2-GANG, 3.5" DEEP BOX WITH 2-GANG EXTENSION RING AND TWO (2) 1-1/4" CONDUIT.	FLOOR BOX	N/A
	INTERACTIVE FLAT PANEL OUTLET. 2-GANG, 3.5" DEEP BOX WITH 2-GANG EXTENSION RING AND ONE (1) 1-1/4" CONDUIT.	WALL	44"
	LARGE VENUE PROJECTOR OUTLET. 2-GANG, 3.5" DEEP BOX WITH 2-GANG EXTENSION RING AND TWO (2) 1-1/4" CONDUIT.	WALL	AS NOTED
	GYMNASIUM AUDIO SYSTEM OUTLET. 2-GANG, 3.5" DEEP BOX WITH 2-GANG EXTENSION RING AND TWO (2) 1-1/4" CONDUIT.		
	STAGE PRESENTER OUTLET. 2-GANG, 3.5" DEEP BOX WITH 2-GANG EXTENSION RING AND TWO (2) 1-1/4" CONDUIT.	WALL	16"
	TEACHER PERSONAL COMPUTER OUTLET. 2-GANG, 3.5" DEEP BOX WITH 2-GANG EXTENSION RING AND TWO (2) 1-1/4" CONDUIT.		
	SOUND REINFORCEMENT OUTLET. 4-11/16", 3.5" DEEP BOX WITH 2-GANG EXTENSION RING AND TWO (2) 1-1/4" CONDUIT. (DETAIL X ON SHEET EX.X)	WALL	44"
	VIDEO MONITOR OUTLET. 2-GANG, 3.5" DEEP BOX WITH 2-GANG EXTENSION RING AND ONE (1) 1-1/4" CONDUIT.	WALL	44", UNO
	VIDEO OUTLET. 2-GANG, 3.5" DEEP BOX WITH 2-GANG EXTENSION RING AND ONE (1) 1-1/4" CONDUIT.	WALL	156", UNO
	CAMERA OUTLET. 2-GANG, 3.5" DEEP BOX WITH 1-GANG EXTENSION RING AND ONE (1) 1" CONDUIT. FACEPLATE SHALL BE OUTDOOR RATED.	WALL	144", UNO
	WIRELESS ACCESS POINT OUTLET. 2-GANG, 3.5" DEEP BOX WITH 1-GANG EXTENSION RING AND ONE (1) 1" CONDUIT.	WALL	144", UNO
	20 FT OF CAT 6 CABLE COILED ABOVE ACCESSIBLE CEILING FOR FUTURE CAMERA INSTALLATION BY 28 2300 CONTRACTOR		
	20 FT OF CAT 6 CABLE COILED ABOVE ACCESSIBLE CEILING FOR FUTURE SECURITY SYSTEM INSTALLATION BY 28 1601 CONTRACTOR.		
	20 FT OF CAT 6 CABLE COILED ABOVE ACCESSIBLE CEILING FOR FUTURE WIRELESS ACCESS POINT INSTALLATION BY 27 2300 CONTRACTOR		
	LADDER TYPE CABLE TRAY		
	BASKET TYPE CABLE TRAY		
	CONDUIT (SLEEVES) FOR TECHNOLOGY CABLING PROVIDED BY DIVISION 26. DIVISION 26 TO PROVIDE FIRE STOPPING WHEN PENETRATING THROUGH FIRE WALLS AS REQUIRED BY CODE.	8" ABOVE CEILING	SEE PLANS
	DENOTES HORIZONTALLY MOUNTED RACEWAY	WALL	16", UNO
	DENOTES VERTICALLY MOUNTED RACEWAY		

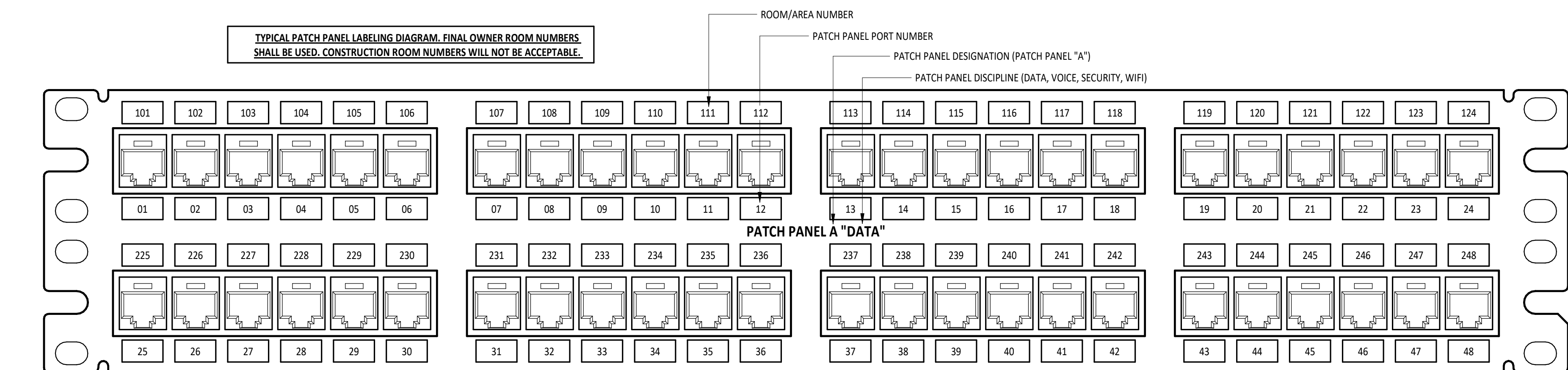
1 TECHNOLOGY CABLING SYMBOLS LEGEND



5 CABLE LABELING SCHEMATIC - FACEPLATE TO PATCH PANEL



7 CABLE LABELING SCHEMATIC - SURFACE MOUNT BOX TO PATCH PANEL



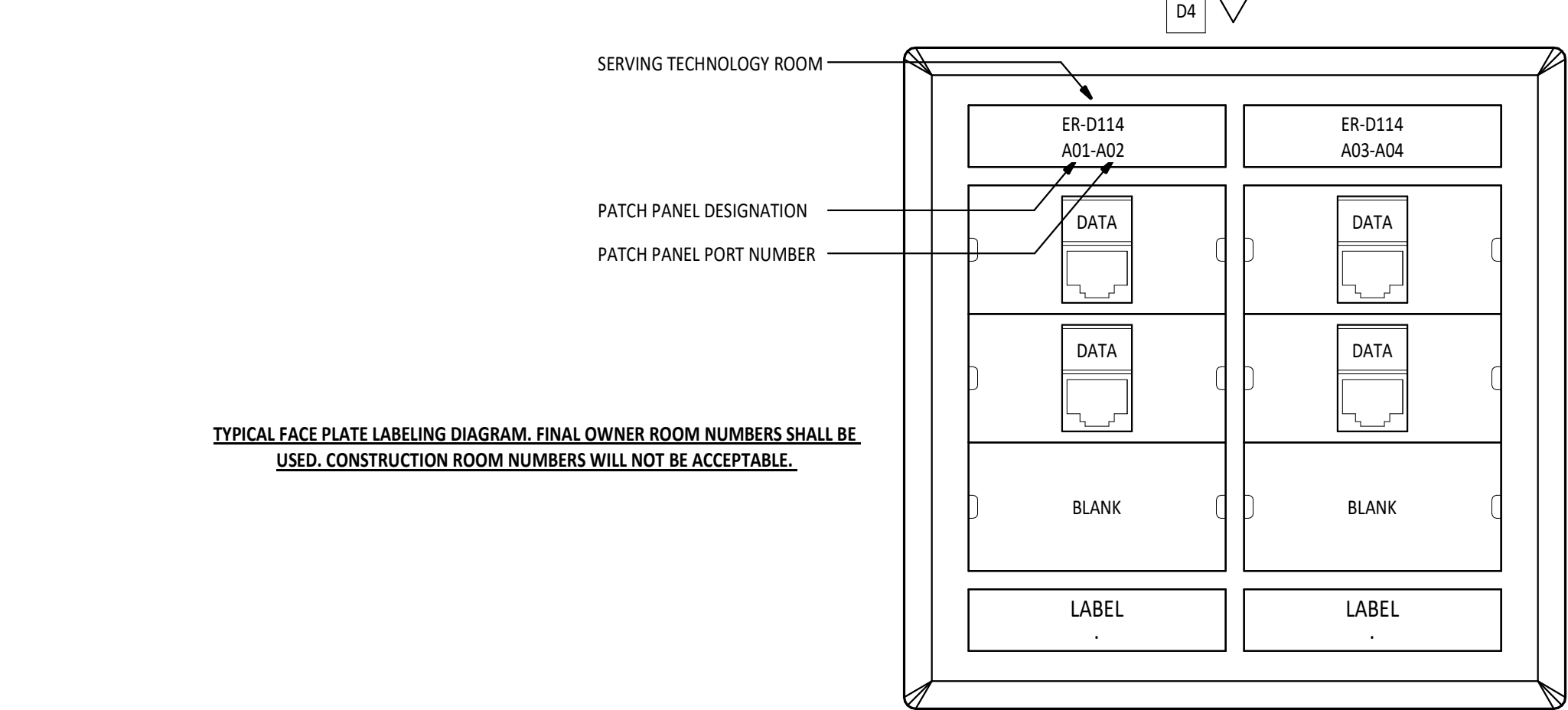
9 TYPICAL PATCH PANEL LABELING SCHEMATIC

SYMBOL	DESCRIPTION	MOUNTING LOC.	HT.
	PUBLIC ADDRESS SOUND SYSTEM RACK.		
	STUDENT DINING SOUND SYSTEM RACK.		
	GYMNASIUM SOUND SYSTEM RACK.	FLOOR	N/A
	PORTABLE SOUND SYSTEM RACK.		
	MUSIC/VOCAL ROOM SOUND SYSTEM RACK.		
	HANGING MICROPHONE PROVIDED BY DIVISION 27. DIVISION 26 TO PROVIDE CEILING MOUNTED JUNCTION BOX AND PATHWAY AS REQUIRED. COORDINATE WITH DIVISION 26.	CEILING	N/A
	MICROPHONE OUTLET PROVIDED BY DIVISION 27. DIVISION 28 TO PROVIDE SINGLE GANG BACK BOX AND PATHWAY TO ABOVE ACCESSABLE CEILING. COORDINATE WORK WITH DIVISION 26.	WALL	16", UNO
	AUXILIARY/MICROPHONE OUTLET BY DIVISION 27. DIVISION 26 TO PROVIDE BACK BOX AND PATHWAYS. COORDINATE WORK WITH DIVISION 26.	WALL	96", UNO
	PUBLIC ADDRESS SYSTEM CEILING SPEAKER BY DIVISION 27.	CEILING	N/A
	CLASSROOM SOUND REINFORCEMENT SYSTEM SPEAKER PROVIDED BY DIVISION 27.		
	PUBLIC ADDRESS SYSTEM FLUSH MOUNT WALL SPEAKER PROVIDED BY DIVISION 27.	WALL	96", UNO
	PUBLIC ADDRESS HORN TYPE SPEAKER PROVIDED BY DIVISION 27.		
	SOUND SYSTEM SPEAKER PROVIDED BY DIVISION 27. DIVISION 26 TO PROVIDE ROUGH INS AS REQUIRED FOR INSTALLATION. COORDINATE WORK WITH DIVISION 26.	VARIES	SEE PLANS
	PUBLIC ADDRESS CALL-IN SWITCH PROVIDED BY DIVISION 27. DIVISION 26 TO PROVIDE BACK BOX AND PATHWAY TO ABOVE ACCESSABLE CEILING.		
	PUBLIC ADDRESS SYSTEM VOLUME CONTROL PROVIDED BY DIVISION 27. DIVISION 26 TO PROVIDE BACK BOX AND PATHWAY TO ABOVE ACCESSABLE CEILING.	WALL	44"
	ADMINISTRATIVE CONTROL CONSOLE FOR THE PUBLIC ADDRESS SYSTEM BY DIVISION 27. DIVISION 26 TO PROVIDE BACK BOX AND PATHWAY AS REQUIRED FOR INSTALLATION. COORDINATE WORK WITH DIVISION 26.	VARIES	SEE PLANS

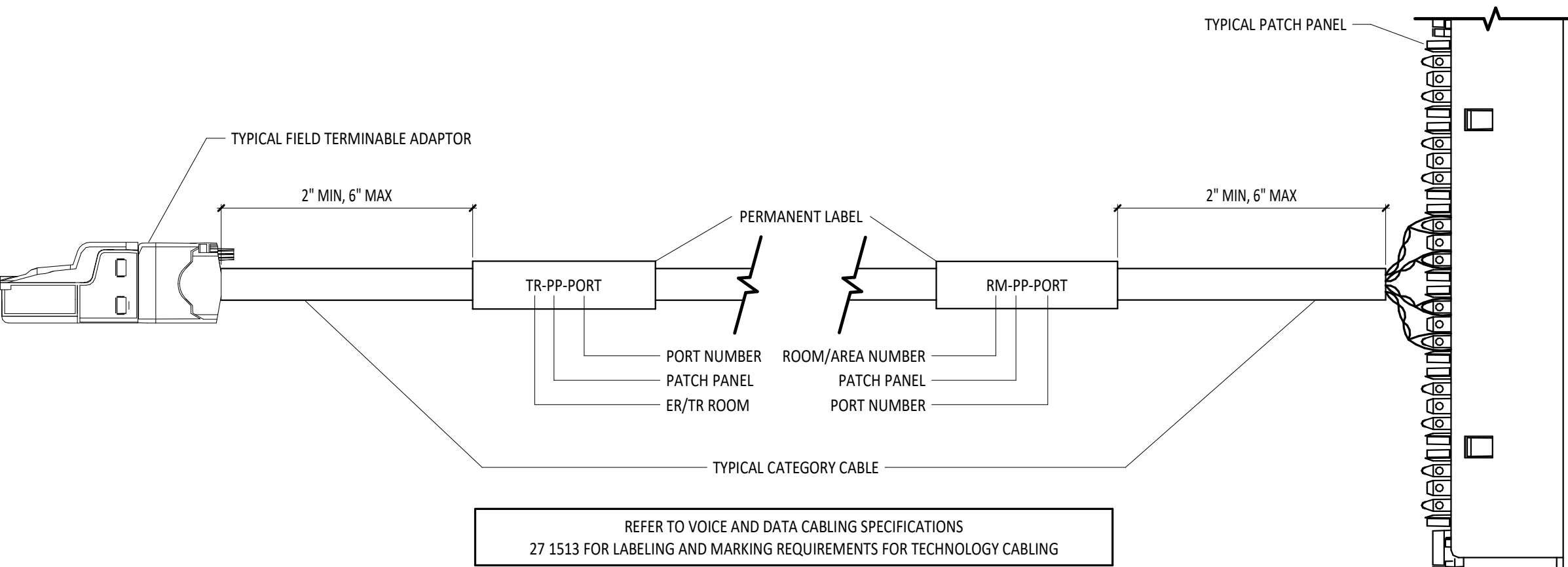
2 AUDIO DEVICE SYMBOLS LEGEND

SYMBOL	DESCRIPTION	MOUNTING LOC.	HT.
	MULTI-SENSOR CCTV CAMERA. CABLING BY 27 1513 CAMERA BY 28 2300.	VARIES	144", UNO
	CCTV CAMERA. CABLING BY 27 1513, CAMERA BY 28 2300		
	WIRELESS ANALOG CLOCK - DUAL FACE - CEILING MOUNT	WALL	96", UNO
	WIRELESS ANALOG CLOCK - DUAL FACE - WALL MOUNT	WALL	96", UNO
	WIRELESS ANALOG CLOCK - SINGLE FACE - WALL MOUNT		
	WIRELESS ANALOG CLOCK - SINGLE FACE - WALL MOUNT WITH WIRE GUARD		
	16" WIRELESS ANALOG CLOCK - SINGLE FACE - WALL MOUNT		
	16" WIRELESS ANALOG CLOCK - SINGLE FACE - WALL MOUNT WITH WIRE GUARD		
	WIRELESS DIGITAL CLOCK - WALL MOUNT - DOUBLE SIDED - SINGLE FACE - LEFT	WALL	96", UNO
	WIRELESS DIGITAL CLOCK - WALL MOUNT - DOUBLE SIDED - SINGLE FACE - RIGHT	WALL	96", UNO
	WIRELESS DIGITAL CLOCK - WALL MOUNT	WALL	96", UNO
	WIRELESS DIGITAL CLOCK & PA SPEAKER COMBO - WALL MOUNT	WALL	96"
	WIRELESS ACCESS POINT - CEILING MOUNTED	CEILING	
	WIRELESS ACCESS POINT - WALL MOUNTED	WALL	144", UNO
	LARGE VENUE VIDEO PROJECTOR		
	XX" IFP - INTERACTIVE FLAT PANEL DISPLAY		
	TYPICAL CLASSROOM/SMALL GROUP ROOM	WALL	WHITE BOARD 42", UNO
	TYPICAL CONFERENCE ROOM	WALL	
	XX" LCD - STANDARD FLAT PANEL DISPLAY		
	TYPICAL CLASSROOM/SMALL GROUP ROOM	WALL	WHITE BOARD 42", UNO
	TYPICAL OFFICE AND COMMONS AREAS	WALL	42", UNO
	TYPICAL CONFERENCE ROOM	WALL	42", UNO
	DESK MOUNT PHONE		
	WALL MOUNT PHONE	WALL	44", UNO

3 TECHNOLOGY EQUIPMENT SYMBOLS LEGEND



6 TYPICAL FACEPLATE LABELING SCHEMATIC



8 CABLE LABELING SCHEMATIC - FIELD TERMINAL ADAPTER TO PATCH PANEL

SYMBOL	DESCRIPTION	MOUNTING LOC.	HT.
	ACCESS CONTROL SYSTEM CONTROL PANEL. DIVISION 26 TO PROVIDE 120V CONNECTION TO PANEL AS REQUIRED. COORDINATE WORK WITH DIVISION 26.	WALL	72" TO TOP
	SECURITY SYSTEM CONTROL PANEL. DIVISION 26 TO PROVIDE 120V CONNECTION TO PANEL AS REQUIRED. COORDINATE WORK WITH DIVISION 26.		
	ELECTRONIC LOCK PROVIDED BY DIVISION 08. DIVISION 26 TO PROVIDE PATHWAYS TO ABOVE ACCESSABLE CEILING. COORDINATE WORK WITH DIVISION 08 AND DIVISION 26.	DOOR	SEE PLANS
	DOOR CONTACT PROVIDED BY DIVISION 28. DIVISION 26 TO PROVIDE PATHWAYS TO ABOVE ACCESSABLE CEILING. COORDINATE WORK WITH DIVISION 08 AND DIVISION 26.		
	REQUEST TO EXIT DEVICE BY DIVISION 28. DIVISION 26 TO PROVIDE PATHWAYS TO ABOVE ACCESSABLE CEILING. COORDINATE WORK WITH DIVISION 08 AND DIVISION 26.	VARIES	VARIES
	ACCESS CONTROL CARD READER PROVIDED BY DIVISION 28. DIVISION 26 TO PROVIDE BACK BOX AND PATHWAY TO ABOVE ACCESSABLE CEILING. COORDINATE WORK WITH DIVISION 26.	WALL	44"
	SECURITY SYSTEM KEYPAD PROVIDED BY DIVISION 28. DIVISION 26 TO PROVIDE BACK BOX AND PATHWAY TO ABOVE ACCESSABLE CEILING. COORDINATE WORK WITH DIVISION 26.	WALL	48"
	HARD CEILING MOUNT MOTION DETECTOR PROVIDED BY DIVISION 28. DIVISION 26 TO PROVIDE BACK BOX AND PATHWAY TO ABOVE ACCESSABLE CEILING. COORDINATE WORK WITH DIVISION 26.	HARD CEILING	N/A
	CEILING MOUNT MOTION DETECTOR PROVIDED BY DIVISION 28. COORDINATE WORK WITH DIVISION 26.	WALL	96", UNO
	SECURITY SYSTEM ALARM BELL PROVIDED BY DIVISION 28. DIVISION 26 TO PROVIDE BACK BOX AND PATHWAY TO ABOVE ACCESSABLE CEILING. COORDINATE WORK WITH DIVISION 26.	WALL	80", UNO
	AUDIO ONLY INTERCOM STATION BY DIVISION 28. DIVISION 26 TO PROVIDE BACK BOX AND PATHWAY TO ABOVE ACCESSABLE CEILING. COORDINATE WORK WITH DIVISION 26.	WALL	48"
	AUDIO & VIDEO INTERCOM STATION BY DIVISION 28. DIVISION 26 TO PROVIDE BACK BOX AND PATHWAY TO ABOVE ACCESSABLE CEILING. COORDINATE WORK WITH DIVISION 26.	WALL	48"
	DESK MOUNT MASTER INTERCOM STATION PROVIDED BY DIVISION 28. COORDINATE PATHWAY REQUIREMENTS WITH DIVISION 26.	VARIES	VARIES
	ELECTRONIC DOOR RELEASE OR LOCK DOWN PUSH BUTTON PROVIDED BY DIVISION 28. COORDINATE PATHWAY REQUIREMENTS WITH DIVISION 26.		

4 SECURITY/ACCESS CONTROL SYMBOL LEGEND

- NOTE:	
	ABBREVIATIONS USED ON THE CONTRACT DOCUMENTS, INCLUDE BUT ARE NOT LIMITED TO THOSE LISTED BELOW.
A	
AC	ABOVE COUNTER
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AV	AUDIO/VISUAL
C	
CAM	CAMERA
CAT	CATEGORY
CTCTV	CLOSED-CIRCUIT TELEVISION
D	
D	DATA
DC	DIRECT CURRENT
DSO	DIGITAL SIGNAGE DISPLAY
E	
E	EXISTING
EC	ELECTRICAL CONTRACTOR
ER	EQUIPMENT ROOM
G	
GBE	GIGABIT ETHERNET
GPON	GIGABIT PASSIVE OPTICAL NETWORK
I	
IFP	INTERACTIVE FLAT PANEL DISPLAY
ISG(N)	ISOLATED SYSTEMS GROUND
IWB	INTERACTIVE WHITE BOARD
L	
LI	LOCAL INPUT
LVP	LARGE VENUE PROJECTOR
M	
MM	MULTIMODE FIBER OPTIC CABLE
O	
OLT	OPTICAL LINE TERMINAL
ONT	OPTICAL NETWORK TERMINAL
OREQ	OR EQUAL
OS	OPTICAL SPLITTER
P	
PA	PUBLIC ADDRESS
PDU	POWER DISTRIBUTION UNIT
PoE	POWER OVER ETHERNET
POL	PASSIVE OPTICAL LAN
PON	PASSIVE OPTICAL NETWORK
Q	
Q	EMPTY BOX WITH BLANK COVER
R	
RU	RACK UNITS
S	
SA	SOUND AMPLIFICATION
SM	SINGLE MODE FIBER OPTIC CABLE
SP	STAGE PRESENTER
SR	SOUND REINFORCEMENT
SS	SECURITY SYSTEM
T	
TBB	TELECOMMUNICATIONS BONDING BACKBONE
TE	TELECOMMUNICATIONS ENCLOSURE
TMSG	TELECOMMUNICATIONS MAIN GROUNDING BACKBONE
TPC	TEACHERS PERSONAL COMPUTER
TR	TELECOMMUNICATIONS ROOM
TYP	TYPICAL
U	
UNO	UNLESS NOTED OTHERWISE
V	
V	VOICE
VID	VIDEO
VOD	VIDEO ON DEMAND
VoIP	VOICE OVER INTERNET PROTOCOL
VPP	VIDEO PROJECTOR
W	
WAP	WIRELESS ACCESS POINT
WG	WIREGUARD; SIZED SPECIFICALLY FOR DEVICE IT IS SERVING
WP	WEATHERPROOF
X	
XGS-PON-10	10 GIGABIT SYNCHRONOUS - PASSIVE OPTICAL NETWORK

TECHNOLOGY CABLING AND JACK COLOR CODING

CABLE TYPE	DESCRIPTION	COLOR	
		CABLE	JACK
CATEGORY 6	DATA NETWORK CABLE	BLUE	BLUE
CATEGORY 6	VOICE NETWORK CABLE	BLUE	BLUE
CATEGORY 6	WIRELESS DATA NETWORK CABLE	BLUE	BLUE
CATEGORY 6	SECURITY, ACCESS CONTROL, CCTV NETWORK CABLE	BLUE	BLUE
CATEGORY 6	LOCAL PEER TO PEER	BLUE	BLUE
CATEGORY 6	USB OVER TWISTED PAIR, HDMI OVER TWISTED PAIR	BLUE	BLUE
3.5MM AUDIO	SHIELDED 22AWG/2 CONDUCTOR	N/A	MATCH FACEPLATE
HDMI	ACTIVE HDMI	N/A	MATCH FACEPLATE

10 TECHNOLOGY CABLING AND JACK COLOR CODING

TECHNOLOGY SHEET INDEX

SHEET NUMBER	SHEET NAME
T1.1	GENERAL NOTES, ABBREVIATIONS, LEGENDS, DIAGRAMS AND SHEET INDEX
T1.2	TECHNOLOGY DETAILS
T1.3	TECHNOLOGY OUTLET TYPES
T2.1	TECHNOLOGY SITE PLAN
T3.1	ENLARGED TECHNOLOGY ROOM
TC1.1	TECHNOLOGY PLAN - UNIT A, B, C, & D
TC1.2	TECHNOLOGY PLAN - UNIT E

TECHNOLOGY CABLING/EQUIPMENT GENERAL NOTES

- RACK LAYOUTS SHALL NOT BE CHANGED WITHOUT APPROVAL FROM THE ARCHITECT AND THE CONSTRUCTION MANAGER.
- ALL EQUIPMENT, OWNER OR CONTRACTOR PROVIDED, SHALL BE MOUNTED IN THE RACKS WITH THE PROPER MOUNTING HARDWARE AND WITH THE PROPER PATCH CABLE LENGTH AND COLOR.
- ALL EMPTY OR UNUSED RACK SPACE MUST BE FILLED WITH BLANK PANELS FOR PROPER HOT/COLD AIR FLOW VENTILATION.
- TECHNOLOGY CABLING CONTRACTORS ARE RESPONSIBLE FOR PROVIDING, BUT IS NOT LIMITED TO, THE FOLLOWING FOR THEIR RESPECTIVE SPECIFICATION SECTIONS: TWO POST RACKS, FOUR POST RACKS, WALL/FLOOR MOUNT CABINETS, VERTICAL CABLE MANAGERS, HORIZONTAL CABLE MANAGERS, PATCH PANELS, FIBER ENCLOSURES AND COUPLER PANELS, BLANK PANELS, SHELVES FOR ANY OWNER EQUIPMENT OR EQUIPMENT NOT RACK MOUNTABLE, AND PAGING SYSTEM.
- TECHNOLOGY EQUIPMENT CONTRACTORS ARE RESPONSIBLE FOR PROVIDING, BUT IS NOT LIMITED TO, THE FOLLOWING FOR THEIR RESPECTIVE SPECIFICATION SECTIONS: NETWORK SWITCHES, CORE SWITCHES, FILE SERVER, NTP SERVER, VOD SERVER (DIGITAL MEDIA MANAGEMENT SYSTEM), ENCODER CHASSIS (DIGITAL MEDIA MANAGEMENT SYSTEM), IP KVM, IP TELEPHONE GATEWAY, UPS UNITS, COORDINATING A-SITE EQUIPMENT INSTALLATION AND OR PROGRAMMING, PATCH CABLES, AND PATCH CABLES FOR OWNER EQUIPMENT.
- REFER TO SPECIFICATIONS FOR DETAILS AND MORE INFORMATION INCLUDING MISCELLANEOUS MATERIALS REQUIRED TO BE PROVIDED.
- ALL EQUIPMENT, OWNER OR CONTRACTOR PROVIDED, SHALL BE MOUNTED IN THE RACKS WITH THE PROPER MOUNTING HARDWARE AND WITH THE PROPER PATCH CABLE LENGTH AND COLOR.
- TECHNOLOGY DRAWINGS COVER ALL OF DIVISION 27 AND 28 SPECIFICATIONS EXCLUDING FIRE ALARM. IT IS HIGHLY RECOMMENDED THAT THE CONTRACTOR REVIEWS DIVISION 27 AND 28 SPECIFICATIONS AND ATTENDS THE PRE BID MEETING PRIOR TO SUBMITTING BIDS.
- ALL CABLING IN EXPOSED AREAS MUST BE ENCLOSED IN A CONDUIT. PAINT CONDUIT TO MATCH SURROUNDING AREA.
- THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TECHNOLOGY SYSTEMS ROUGH-IN REQUIREMENTS, COORDINATE WITH THE SYSTEMS SUPPLIER FOR ANY VENDOR SPECIFIC REQUIREMENTS.
- CONTRACTORS SHALL PROVIDE APPROPRIATE FACEPLATES, JACKS, CONNECTORS, AND CABLING FOR EACH TECHNOLOGY ROUGH-IN INDICATED.
- CONTRACTORS SHALL PROVIDE ALL TERMINATIONS FOR CABLING INDICATED.
- CONTRACTORS SHALL LABEL ALL CABLING AS REQUIRED BY THE LATESTS NEC AND ANSI/TIA/EIA-606 STANDARDS.
- CABLE TIES ARE FOR OUTDOOR USE ONLY AND SHALL BE TRIMMED TO AVOID SHARP EDGES WITH FLUSH CUTTERS.
- PROVIDE BLACK NON-PRINTED VELCRO STRAPS FOR INDOOR USE. USE PLENUM WHERE REQUIRED.
- PROVIDE COVER PLATES ON ALL EMPTY TECHNOLOGY ROUGH-INS.
- CONTRACTORS SHALL COORDINATE INSTALLATION AND GROUNDING OF TELEPHONE, CATV, AND IT/E DEMARKS/SERVICE ENTRANCES.
- EACH WAP LOCATION REQUIRES ONE (1) SHIELDED CAT 6 CABLE.
- TYPICAL TECHNOLOGY ROUGH-INS, IN NEW WALLS, ARE 2-GANG OUTLET BOXES, 3-1/2" DEEP WITH A MIN OF 1-1/4" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING. TECHNOLOGY ROUGH-INS ON EXISTING WALLS WILL BE SURFACE MOUNTED DUAL CHANNEL RACEWAY.
- ANY PENETRATION THROUGH FIRE WALLS MUST USE 2" CONDUIT AND PROPER FIRE STOPPING PER THE LATESTS CODES AND STANDARDS.
- CEILING SPACE IS USED AS A PLENUM, ALL CABLE AND INSULATION MATERIALS SHALL BE PLENUM RATED.



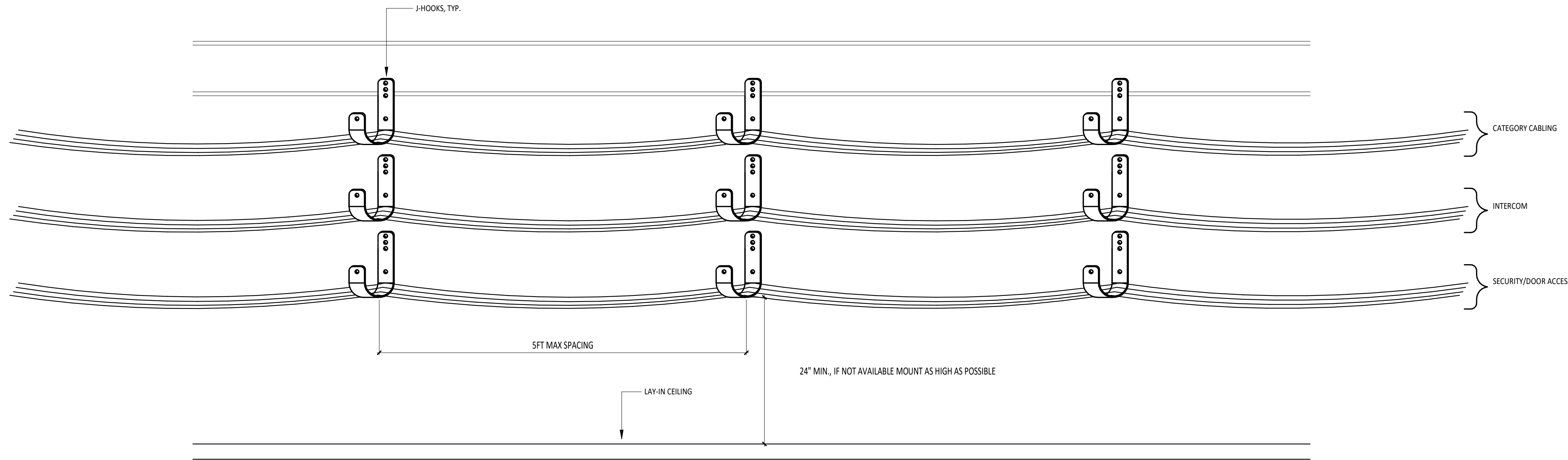
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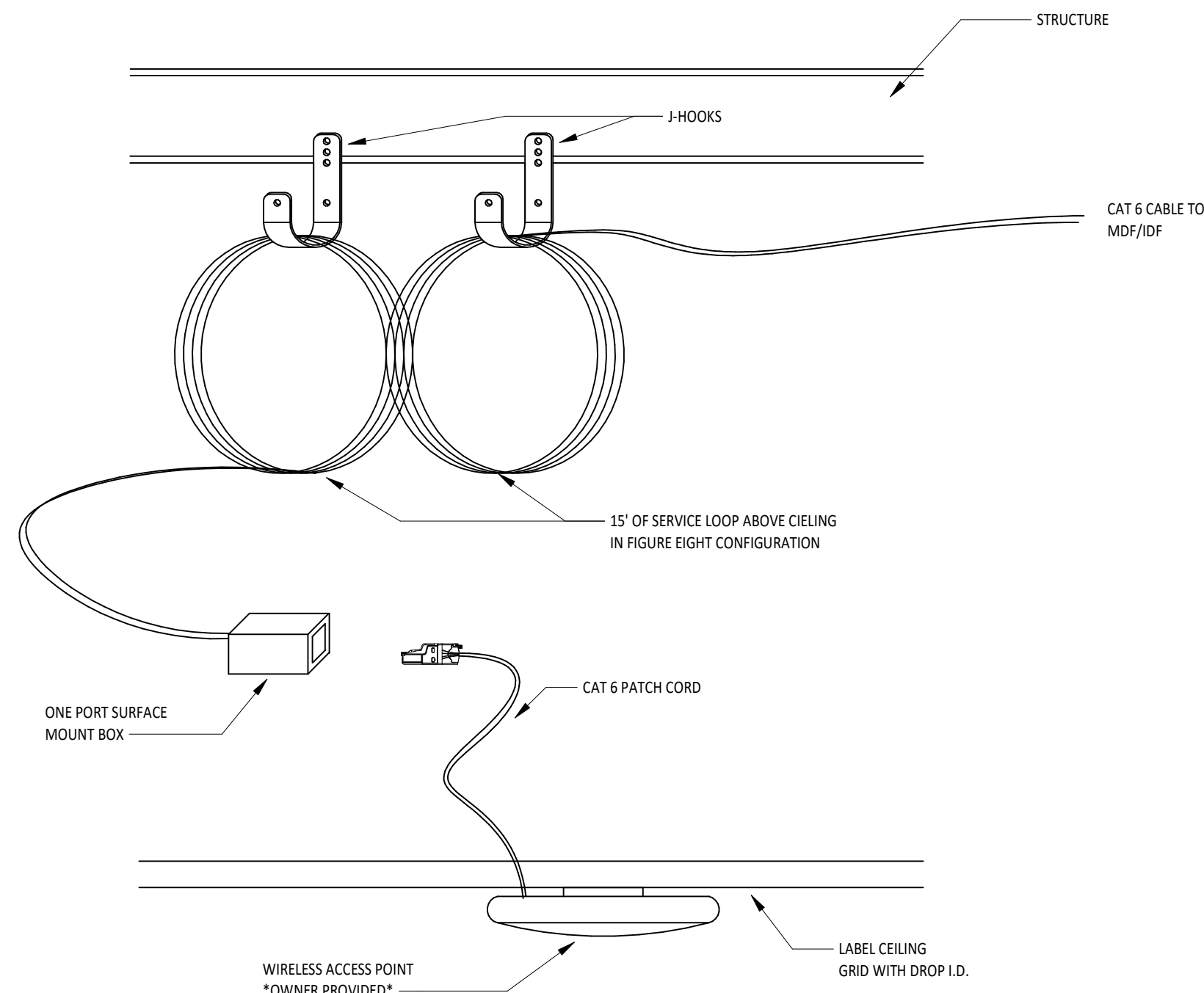
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GENERAL NOTES, ABBREVIATIONS, LEGENDS, DIAGRAMS AND SHEET INDEX

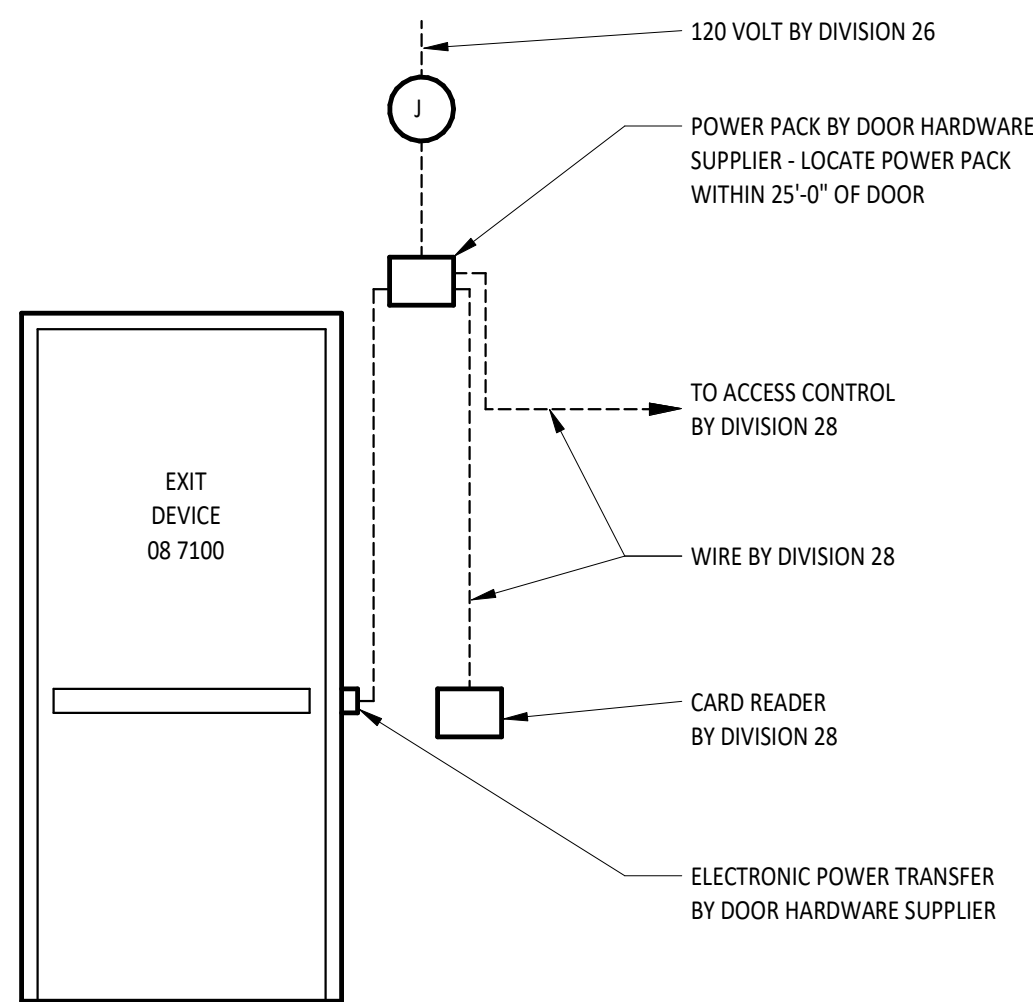
T1.1



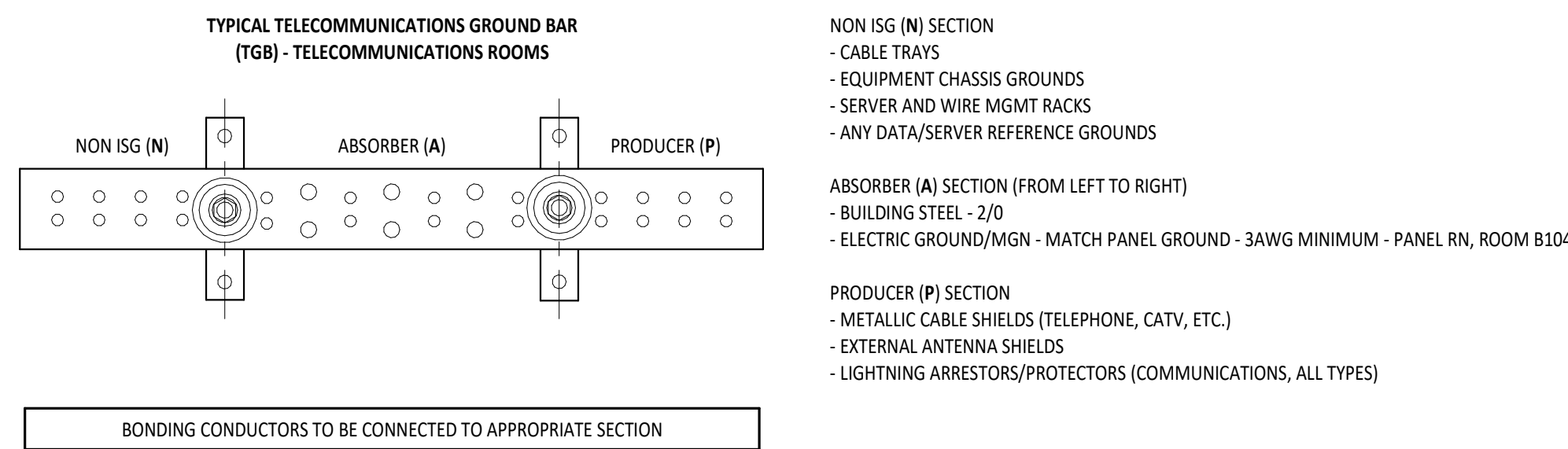
1 T1.2 TYPICAL CABLE SUPPORT DETAIL



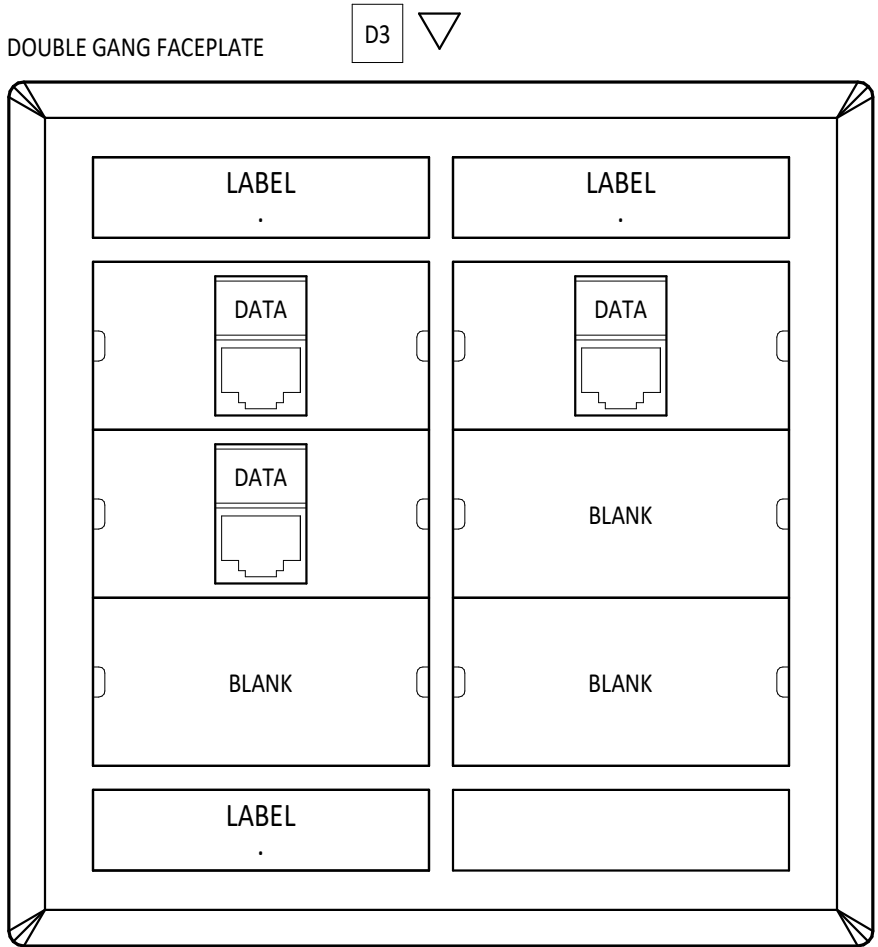
2 T1.2 TYPICAL WIRELESS ACCESS POINT DETAIL



3 T1.2 ACCESS CONTROL SYSTEM SCHEMATIC WIRE DIAGRAM - SINGLE DOOR

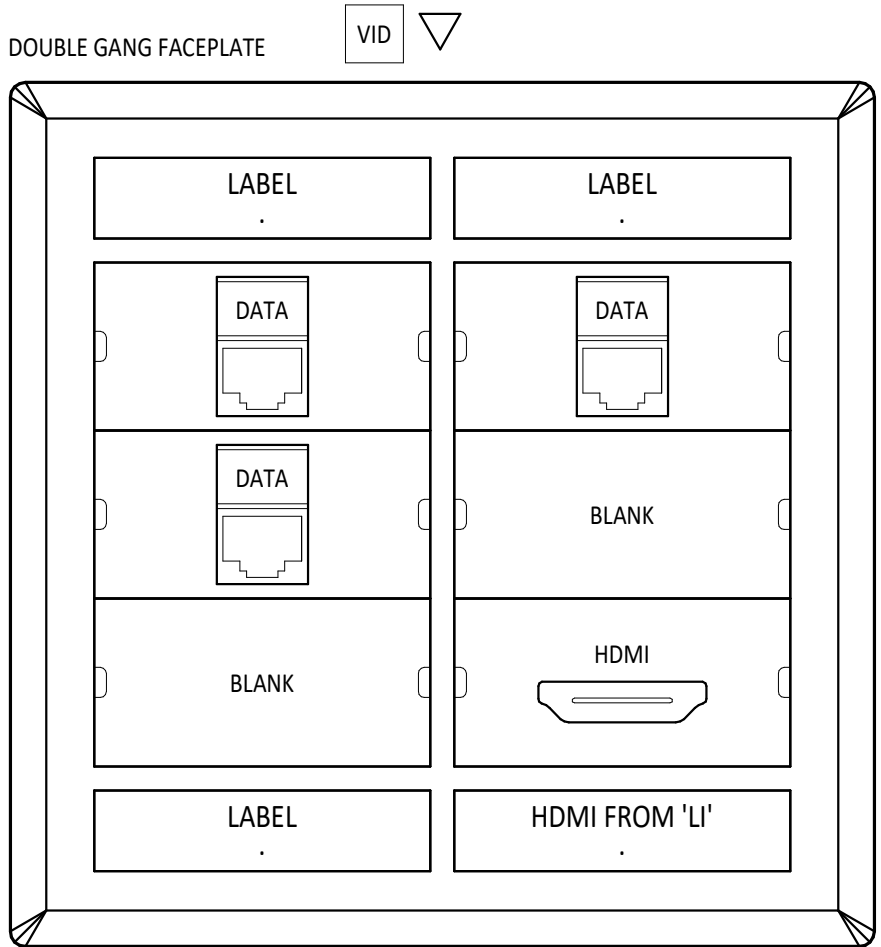


4 T1.2 GROUNDING AND BONDING SCHEMATIC DIAGRAM



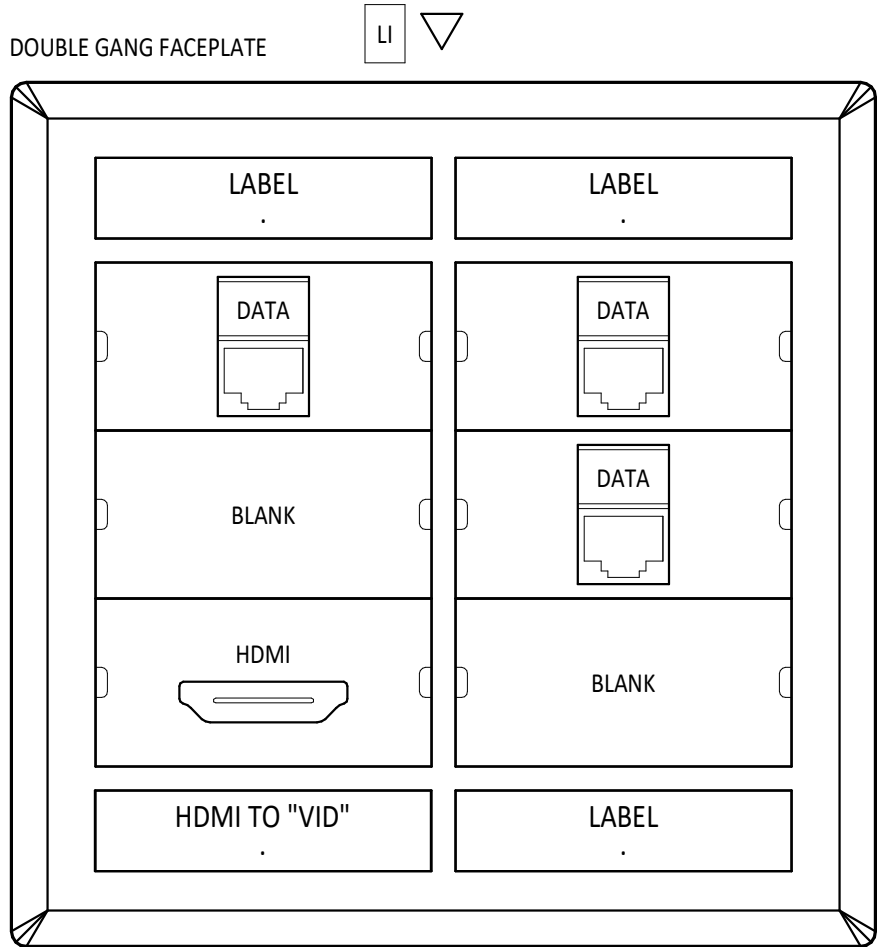
TYPICAL TYPE (D3) OUTLET - LABEL AS SHOWN IN DETAILS & ABOVE

- (3) CAT 6 BLUE CABLES TO TR AS INDICATED ON PLANS



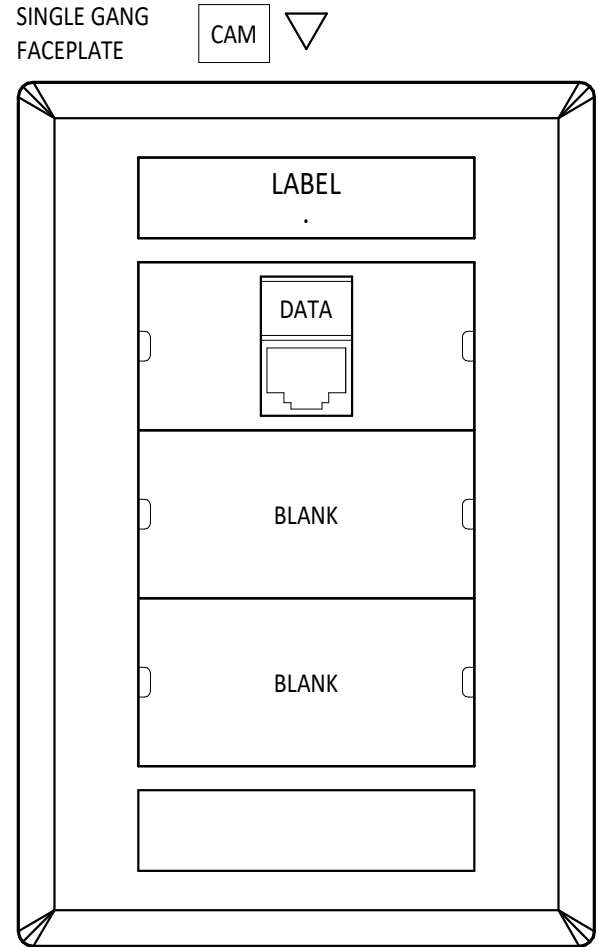
TYPICAL TYPE (VID) OUTLET - LABEL AS SHOWN IN DETAILS & ABOVE

- (2) CAT 6 BLUE CABLES TO TR AS INDICATED ON PLANS
- (1) HDMI CABLE FROM TYPICAL 'LI' TYPE OUTLET



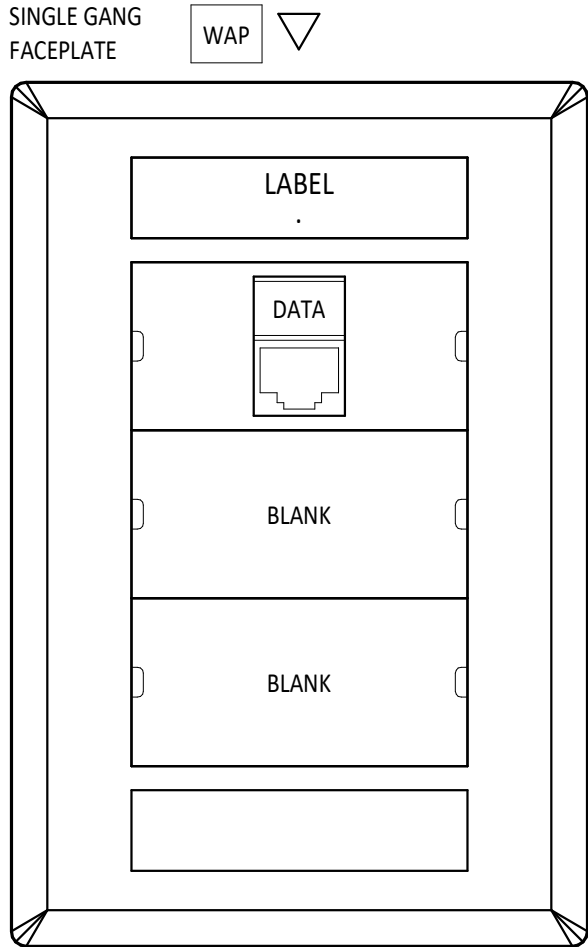
TYPICAL TYPE (LI) OUTLET - LABEL AS SHOWN IN DETAILS & ABOVE

- (2) CAT 6 BLUE CABLES TO TR AS INDICATED ON PLANS
- (1) HDMI CABLE TO TYPICAL 'VID' TYPE OUTLET



TYPICAL TYPE (CAM) OUTLET - LABEL AS SHOWN IN DETAILS & ABOVE

- (1) CAT 6 BLUE CABLE TO TR AS INDICATED ON PLANS



TYPICAL TYPE (WAP) OUTLET - LABEL AS SHOWN IN DETAILS & ABOVE

- (1) CAT 6 BLUE CABLE TO TR AS INDICATED ON PLANS

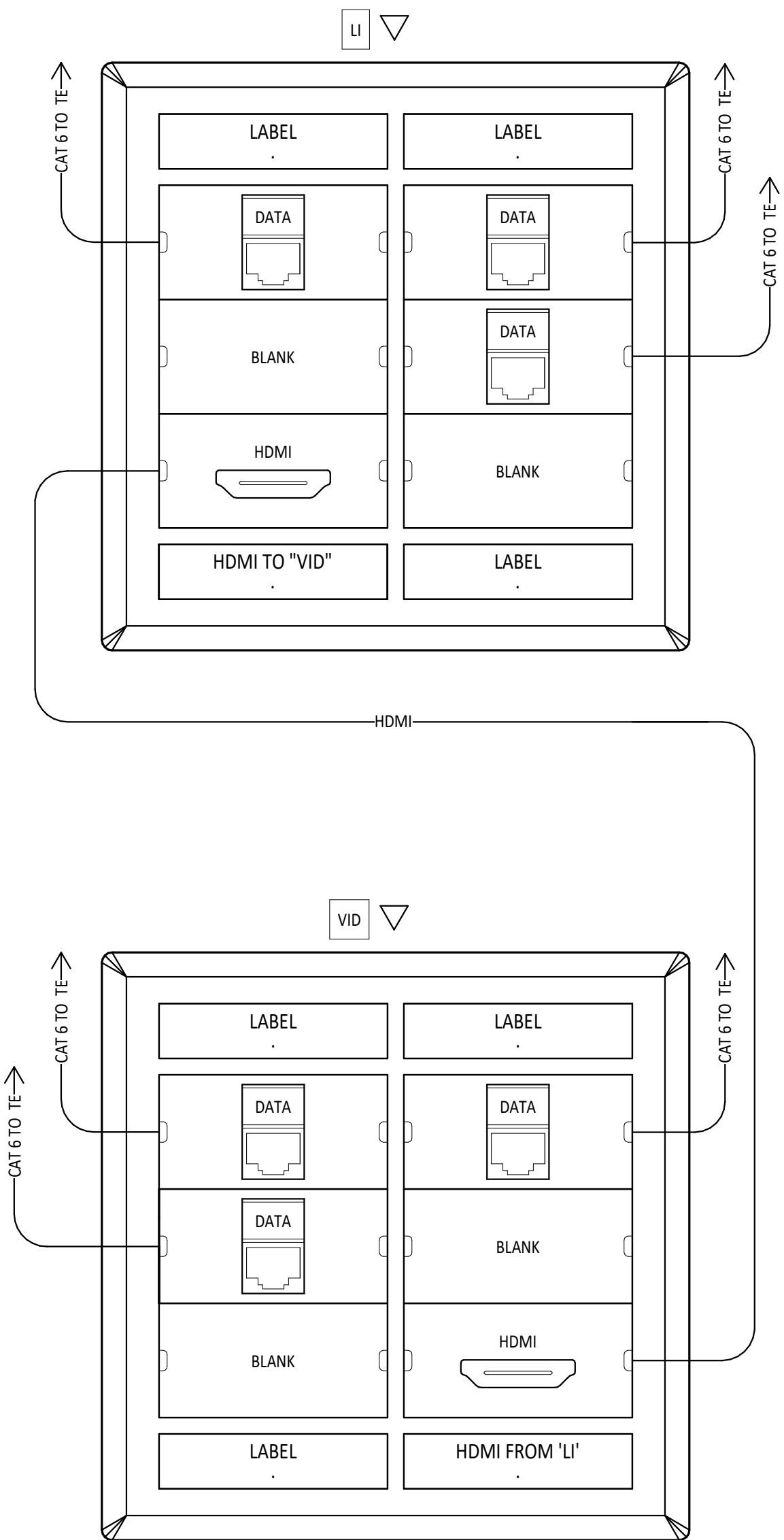
1 DATA OUTLET (D3)

2 VIDEO OUTLET (VID)

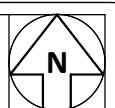
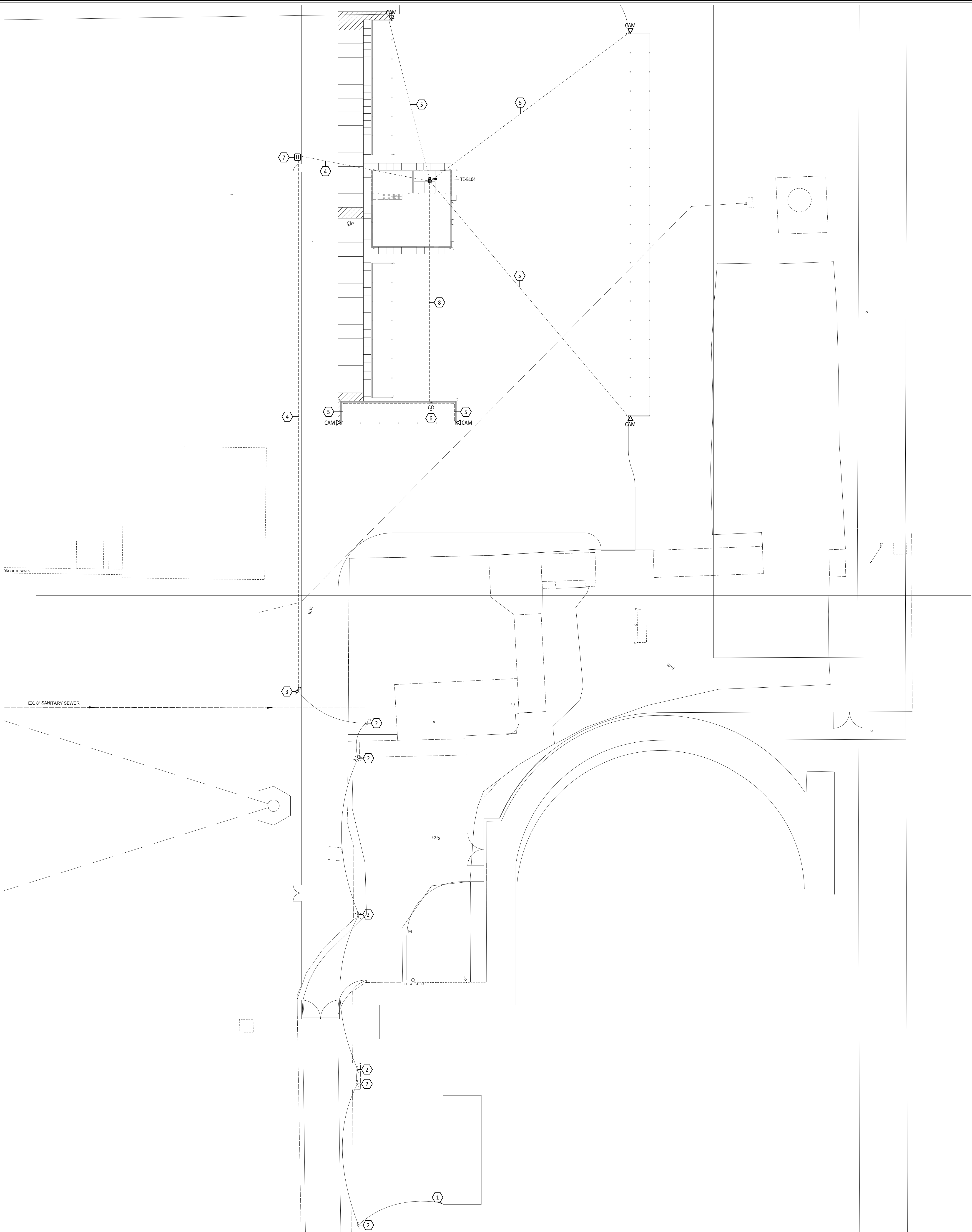
3 LOCAL INPUT OUTLET (LI)

4 CAMERA OUTLET (CAM)

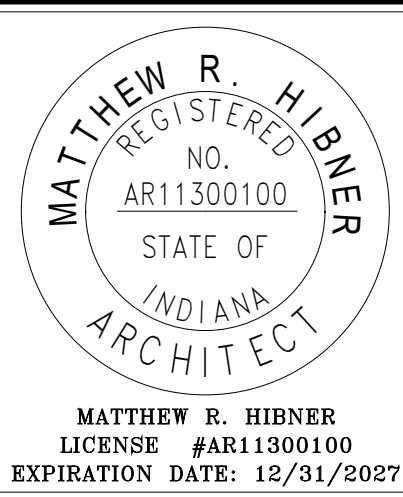
5 WIRELESS ACCESS POINT OUTLET (WAP)



6 LI TO VID CONNECTIVITY DETAIL



#	KEYNOTE DESCRIPTION
1	LOCATION OF EXISTING OS2 SINGLE MODE 12 STRAND PLENUM FIBER OPTIC CABLE TERMINATED IN FIBER ENCLOSURE IN FOOTBALL PRESS BOX. EXTEND A 6 STRAND OS2 SINGLE MODE PLENUM FIBER OPTIC CABLE FROM PRESS BOX TO NEW BUS BUILDING TE-8104. RUN CABLE OVERHEAD ALONG UTILITY POLES WITH GUIDE WIRE LASHING, THEN DOWN THROUGH UNDERGROUND CONDUIT TO TE-8104 IN NEW BUS BUILDING. TERMINATE USING LC-LC/SP SPLICE ON CONNECTORS. FIELD VERIFY EXACT LOCATION OF TECHNOLOGY ENCLOSURE IN FOOTBALL PRESS BOX BEFORE PROCURING MATERIAL.
2	EXISTING UTILITY POLE.
3	NEW UTILITY POLE. OVERHEAD FIBER OPTIC CABLE TO ROUTE UNDERGROUND TO COMMUNICATIONS PULL BOX.
4	DIVISION 26 TO PROVIDE ONE (1) 2\"/>
5	DIVISION 26 TO PROVIDE ONE (1) 1\"/>
6	DIVISION 26 TO PROVIDE A 12\"/>
7	DIVISION 26 TO PROVIDE A 24\"/>
8	DIVISION 26 TO PROVIDE ONE (1) 1 1/2\"/>



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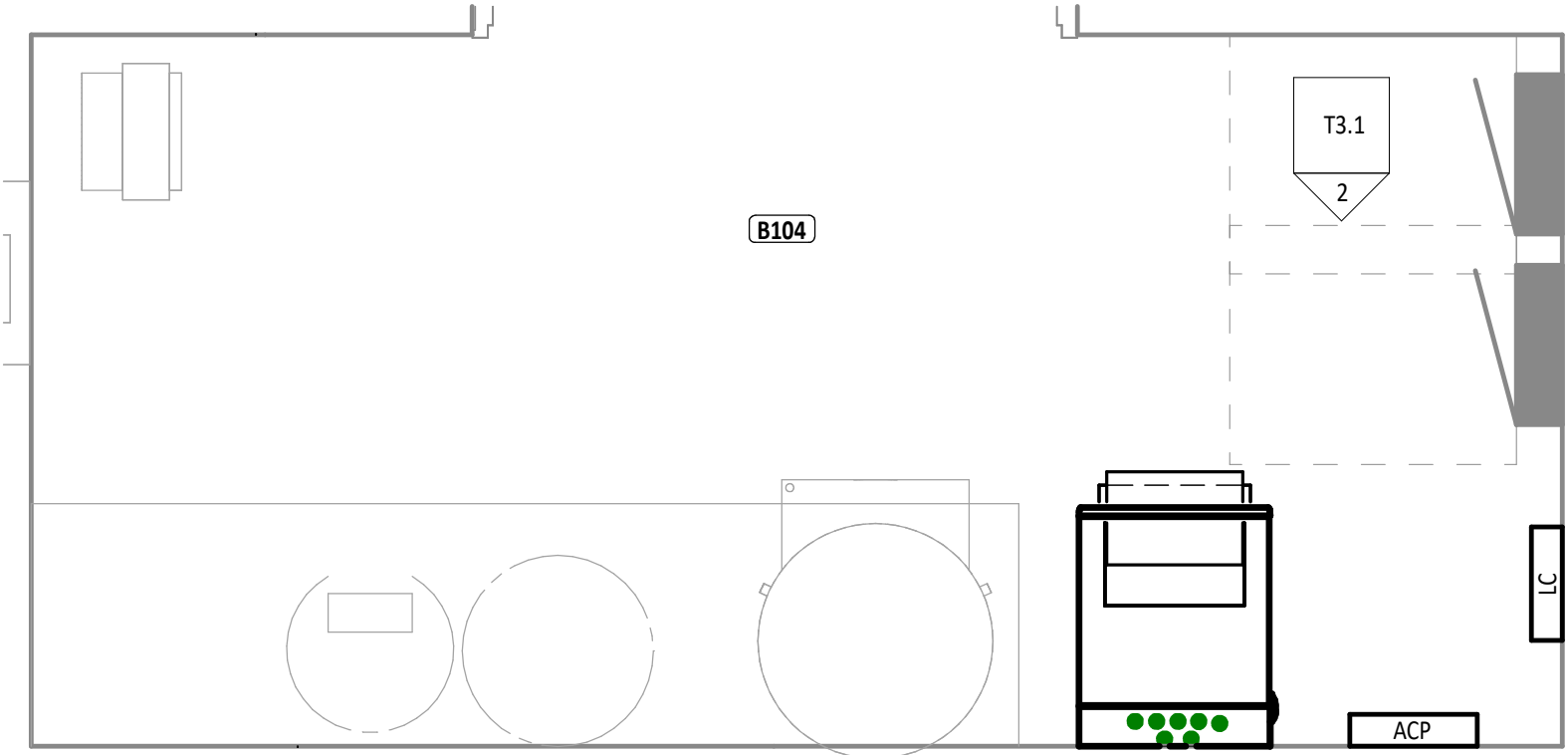
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TECHNOLOGY SITE PLAN

SHEET NUMBER:
T2.1

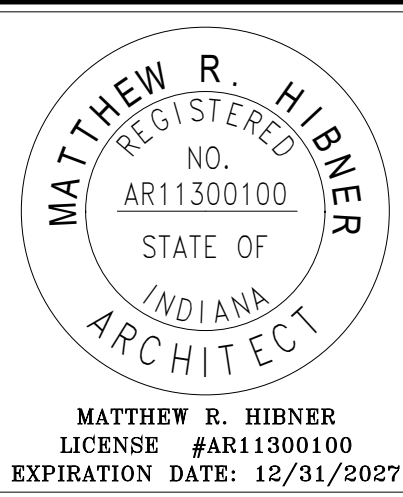
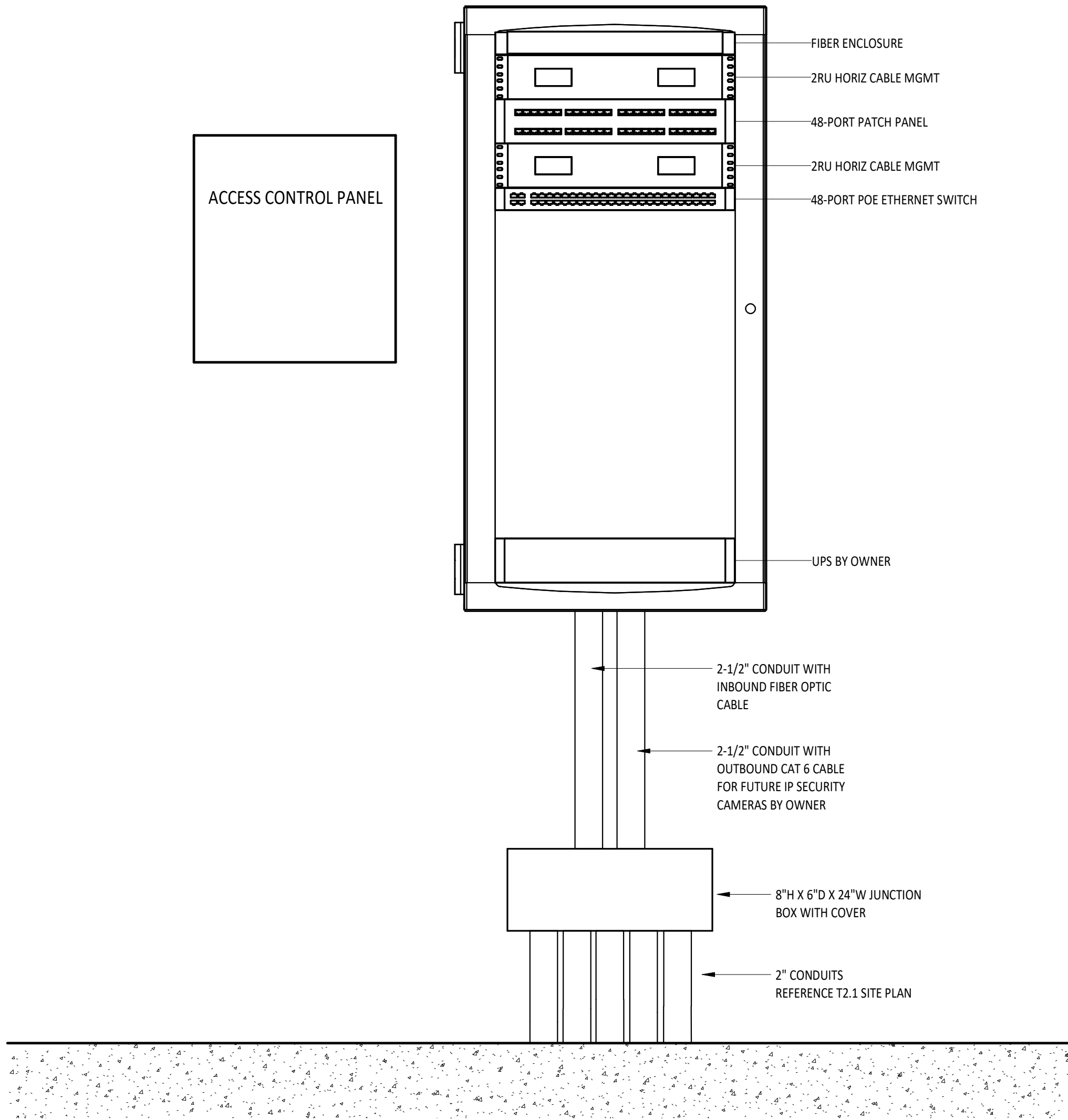
1
T3.1

TECHNOLOGY ROOM - TR-B104



2
T3.1

TECHNOLOGY ENCLOSURE - TE-B104



SHENANDOAH SCHOOL CORPORATION NEW TRANSPORTATION CENTER

5100 N. LAUREL ROAD, JORDAN TOWNSHIP, IN 47356

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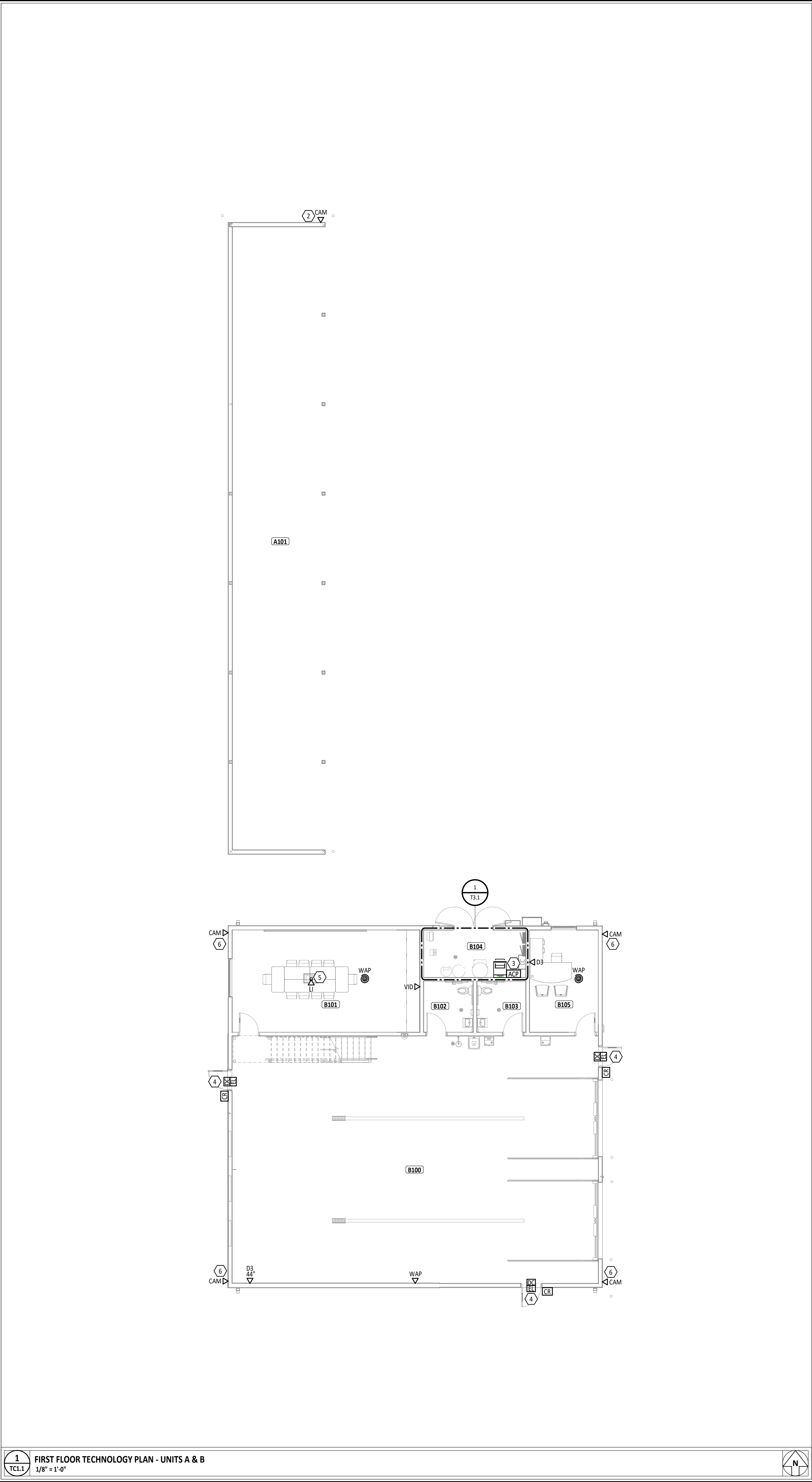
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SHEET TITLE:

ENLARGED
TECHNOLOGY
ROOM

SHEET NUMBER:

T3.1



ROOM INDEX - UNIT A		
ROOM NUMBER	ROOM NAME	AREA
A101	BUS CANOPY	1,479 SF

ROOM INDEX - UNIT B		
ROOM NUMBER	NAME	AREA
B100	MAINTENANCE GARAGE	2,220 SF
B101	CONFERENCE ROOM	471 SF
B102	RESTROOM	62 SF
B103	RESTROOM	62 SF
B104	MECHANICAL/ELECTRICAL ROOM	119 SF
B105	OFFICE	173 SF
B201	MEZZANINE	643 SF
B202	EQUIPMENT PLATFORM	264 SF

ROOM INDEX - UNIT C		
ROOM NUMBER	ROOM NAME	AREA
C101	BUS CANOPY	1,419 SF

ROOM INDEX - UNIT D		
ROOM NUMBER	ROOM NAME	AREA
D101	MINI BUS CANOPY	1,329 SF

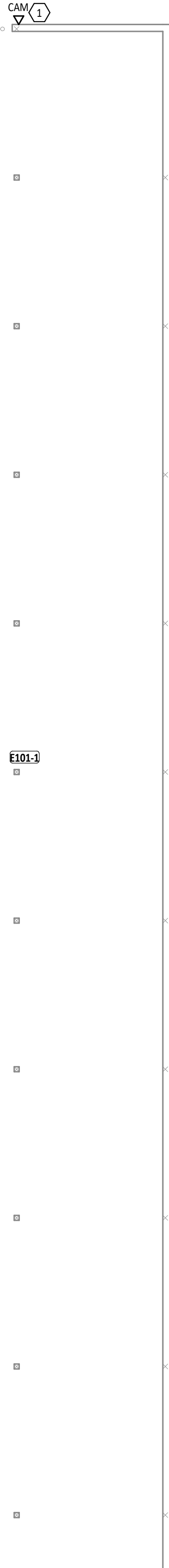
#	KEYNOTE DESCRIPTION
1	12"x12"x6" WALL MOUNTED JUNCTION BOX.
2	ROUGH-IN LOCATION FOR FUTURE OUTDOOR IP CAMERA BY OWNER. DIVISION 27 TO PROVIDE A CAT 6 CABLE TERMINATED WITH FIELD TERMINABLE ADAPTOR AND SLACK COILED IN WEATHERPROOF BOX. REFERENCE SITE PLAN ON T2.1.
3	PROVIDE AN ACCESS CONTROL SYSTEM PANEL. THE ACCESS CONTROL SYSTEM PANEL SHALL BE AN EXTENSION OF AND OF THE SAME MANUFACTURER OF THE DISTRICTS EXISTING ACCESS CONTROL SYSTEM. SEE SPECIFICATIONS FOR ACCEPTED MANUFACTURER.
4	DOOR PROVIDED WITH ELECTRIC STRIKE BY DOOR HARDWARE SUPPLIER. DOOR HARDWARE SUPPLIER TO PROVIDE POWER PACK WITH DRY CONTACT FOR ELECTRIC STRIKE. PROVIDE WIRING FROM ELECTRIC STRIKE POWER PACK TO ACCESS CONTROL SYSTEM. COORDINATE WORK WITH HARDWARE SUPPLIER PRIOR TO ROUGH-IN. CONNECT DOOR TO ACCESS CONTROL SYSTEM TO PROVIDE INDIVIDUAL TIMED CONTROL OF THE ELECTRIC STRIKE. DIVISION 26 TO PROVIDE ALL PATHWAYS AND POWER REQUIRED FOR PROPER OPERATION.
5	PROVIDE AN HDMI CABLE FROM THE "VID" OUTLET TO THE "U" OUTLET. SEE T1.3 DETAIL 6 AND SPECIFICATIONS.
6	ROUGH-IN LOCATION FOR FUTURE OUTDOOR IP CAMERA BY OWNER. DIVISION 27 TO PROVIDE A CAT 6 CABLE TERMINATED WITH FIELD TERMINABLE ADAPTOR AND 20' OF SLACK COILED JUST INSIDE OF THE BUILDING.

1

TC1.2

TECHNOLOGY CABLING PLAN - UNIT E NORTH
1/8" = 1'-0"

N

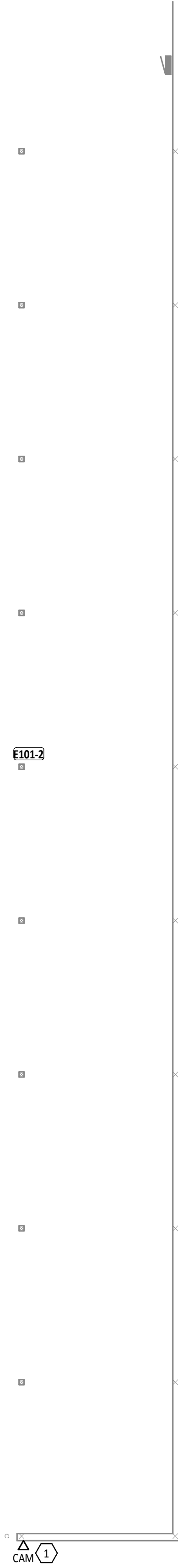


2

TC1.2

TECHNOLOGY CABLING PLAN - UNIT E SOUTH
1/8" = 1'-0"

N



ROOM INDEX - UNIT E

ROOM NUMBER	ROOM NAME	AREA
E101	BUS CANOPY	3,849 SF

#	KEYNOTE DESCRIPTION
1	ROUGH-IN LOCATION FOR FUTURE OUTDOOR IP CAMERA BY OWNER. DIVISION 27 TO PROVIDE A CAT 6 CABLE TERMINATED WITH FIELD TERMINABLE ADAPTOR AND SLACK COILED IN WEATHERPROOF BOX. REFERENCE SITE PLAN ON T2.1.

KEY PLAN

MATTHEW R. HIBNER

REGISTERED

NO. AR11300100

STATE OF INDIANA

ARCHITECT

MATTHEW R. HIBNER

LICENSE #AR11300100

EXPIRATION DATE: 12/31/2027

GARMANMILLER

ARCHITECT

MINNESOTA, OHIO | COLUMBUS, OHIO | INDIANAPOLIS, INDIANA | FORT MYER, INDIANA

garmannmiller.com

SHENANDOAH SCHOOL CORPORATION

NEW TRANSPORTATION CENTER

510 N LAUREL ROAD, ANDOVER TOWNSHIP, IN 47306

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SHEET TITLE:

TECHNOLOGY
PLAN - UNIT E

SHEET NUMBER:

TC1.2