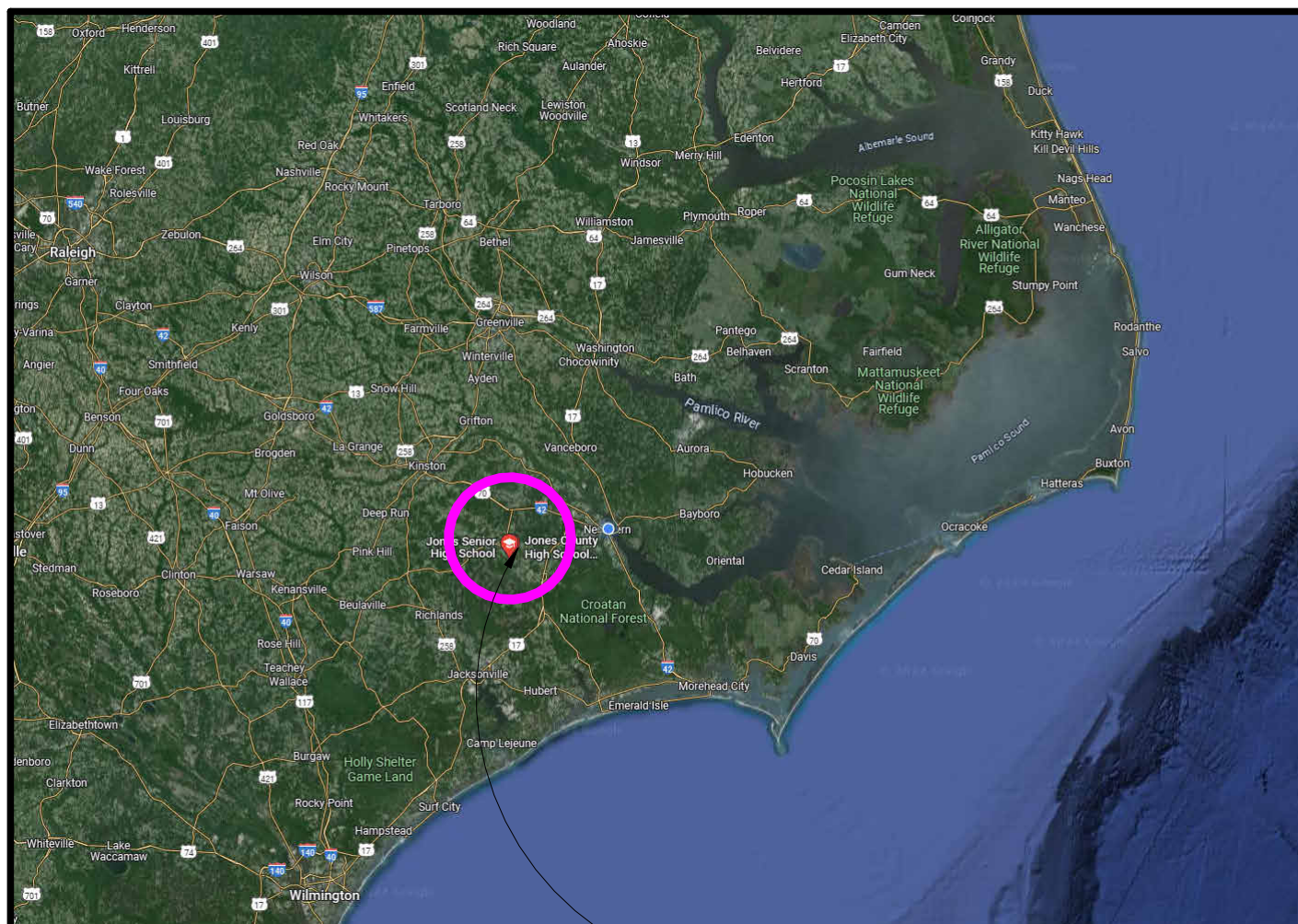


SC0# 23-26839-01B

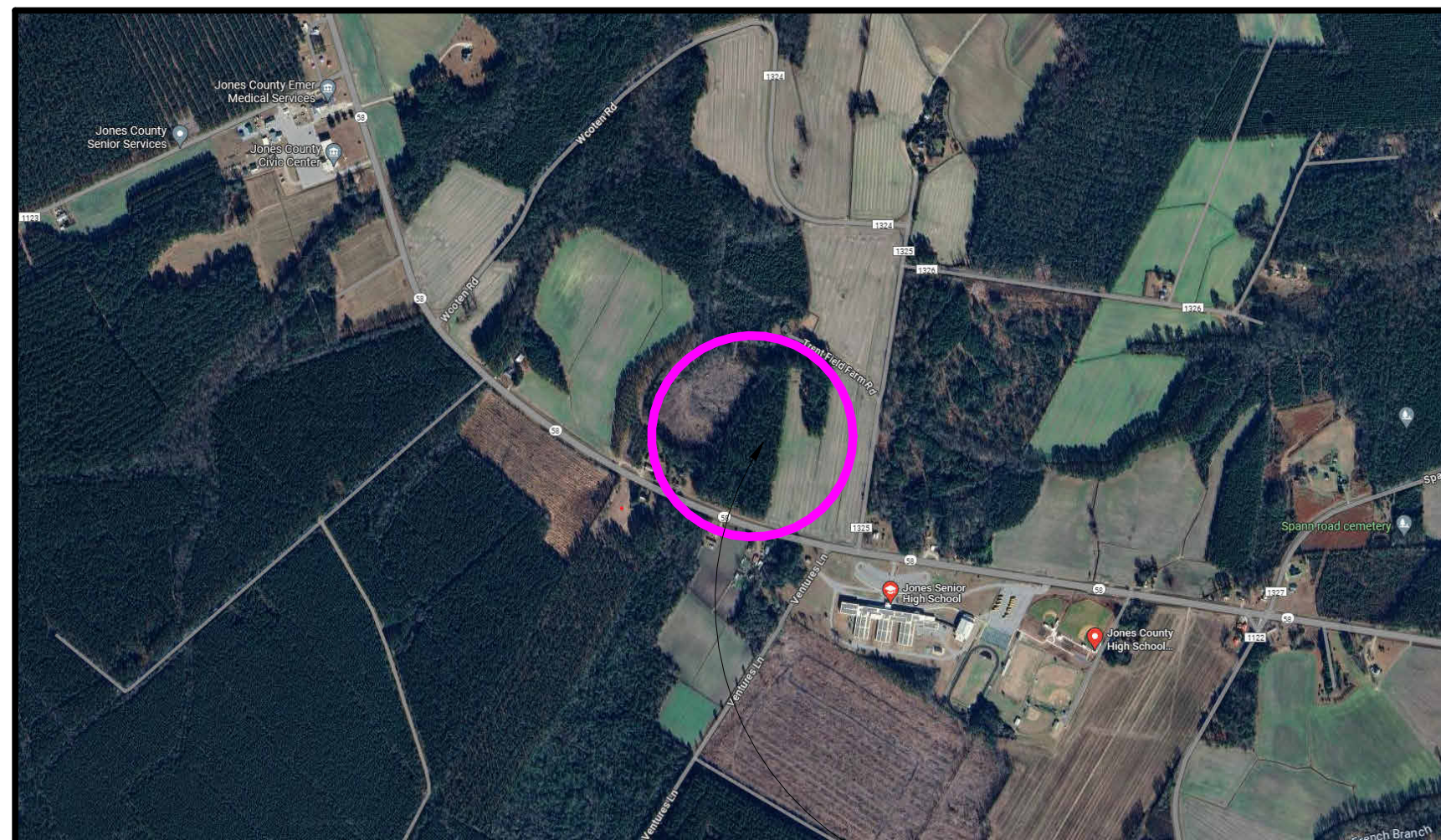


VICINITY MAP



PROJECT LOCATION, JONES COUNTY, NC

LOCATION MAP



PROJECT SITE

SHEET NO.		
NO.	SHEET	SHEET TITLE
GENERAL		
1	GI001	TITLE SHEETS, SHEET LIST & LOCATION MAPS
2	GI002	CODE ANALYSIS
3	GI003	LIFE SAFETY PLAN
CIVIL		
4	C-001	CIVIL NOTES, LEGEND AND ABBREVIATIONS
5	C-100	SITE PLAN-EXISTING CONDITIONS AND DEMOLITION
6	C-101	SITE LAYOUT PLAN
7	C-102	SITE GRADING PLAN
8	C-103	SITE UTILITY PLAN
9	CS501	DETAILS
10	CS502	DETAILS
11	CG501	EROSION CONTROL DETAIL
12	CG502	EROSION CONTROL NOTES
13	CU501	UTILITY DETAILS
ARCHITECTURE		
14	A-001	ARCHITECTURAL NOTES & SYMBOLS
15	A-101	FLOOR PLAN
16	A-102	REFLECTED CEILING PLAN
17	A-103	ROOF PLAN
18	A-104	DECK FRAMING PLAN
19	A-201	EXTERIOR ELEVATIONS
20	A-202	EXTERIOR ELEVATIONS
21	A-301	BUILDING SECTION
22	A-302	WALL SECTIONS
23	A-401	ENLARGED PLAN & DETAILS
24	A-501	DETAILS
25	A-502	DETAILS
26	A-503	SIGNAGE DETAILS
27	A-601	SCHEDULES & DETAILS
STRUCTURAL		
28	S-001	STRUCTURAL GENERAL NOTES
29	S-101	FOUNDATION PLAN
30	S-102	FIRST FLOOR FRAMING PLAN
31	S-103	ROOF FRAMING PLAN
32	S-201	TYPICAL SECTIONS
PLUMBING		
33	P-001	PLUMBING NOTES & LEGEND
34	P-101	PLUMBING PLANS
35	P-102	PLUMBING PLANS
36	P-201	PLUMBING DETAILS
37	P-202	PLUMBING DETAILS
38	P-301	PLUMBING SCHEDULES
MECHANICAL		
39	M-001	MECHANICAL NOTES & LEGEND
40	M-101	MECHANICAL PLANS
41	M-201	MECHANICAL DETAILS
42	M-301	MECHANICAL SCHEDULES
ELECTRICAL		
43	E-001	ELECTRICAL NOTES
44	E-101	ELECTRICAL PLANS
45	E-102	ELECTRICAL PLANS
46	E-201	ELECTRICAL DETAILS
47	E-301	ELECTRICAL SCHEDULES

ADDITIVE BID ALTERNATES

BID ALTERNATE 01:
PROVIDE OWNER PREFERRED COMPLETE SEPTIC SYSTEM. SEE CIVIL DRAWINGS.

BID ALTERNATE 02:
PROVIDE SOD IN ALL AREAS OF DISTURBANCE PER THE CIVIL DRAWINGS. BASE BID SHALL BE TO PROVIDE SEED AND ESTABLISH GRASS PER THE CIVIL DRAWINGS.

GOVERNING REGULATIONS

BUILDING CODE:
NORTH CAROLINA STATE BUILDING CODE (2018)

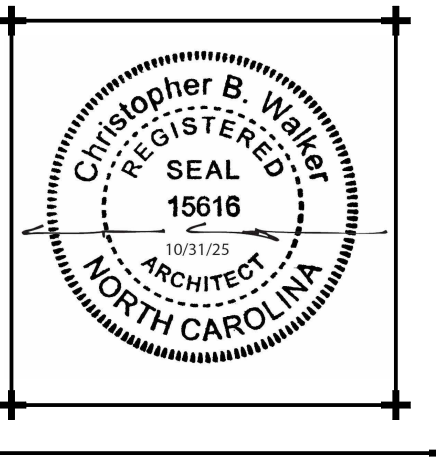
ACCESSIBILITY CODE:
ACCESSIBLE AND USABLE BUILDINGS & FACILITIES- ICC A117.1 2009

MECHANICAL CODE:
NORTH CAROLINA STATE MECHANICAL CODE (2018)

ELECTRICAL CODE:
NFPA 70, NATIONAL ELECTRIC CODE

PLUMBING CODE:
NORTH CAROLINA STATE PLUMBING CODE (2018)

FIRE PREVENTION & LIFE SAFETY CODE:
NORTH CAROLINA STATE FIRE PREVENTION CODE (2018)



**New NC Forest
Service County
Office for Jones
County**

NC Highway 58 S
Jones County, NC 28585

ISSUED FOR
CONSTRUCTION
SCO# 23-26839-01B

Project Number	Date
2318.NCFS	10/31/25
Drawn	Checked
TRA	CBW
Scale	
AS NOTED	
Drawing Title	

TITLE SHEETS, SHEET LIST & LOCATION MAPS

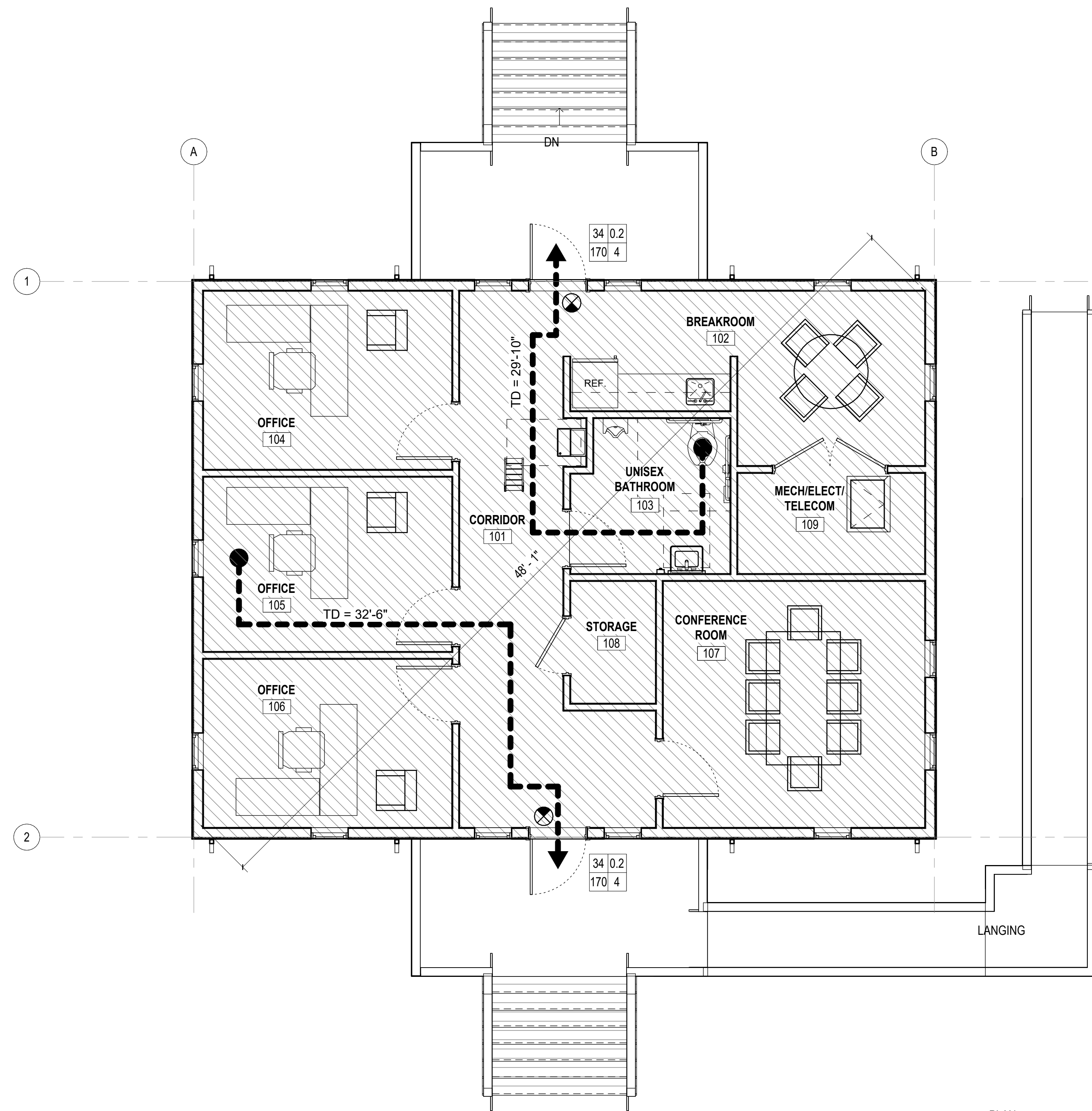
1 Of 47

Drawing Number

Drawing Number

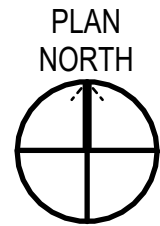
101

GI001



LIFE SAFETY PLAN

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



LIFE SAFETY PLAN LEGEND							
SYMBOL	DESCRIPTION						
	COMMON PATH OF TRAVEL						
	TRAVEL DISTANCE						
<table><tr><td>W</td><td>P</td></tr><tr><td>C</td><td>A</td></tr></table>	W	P	C	A	W: NET EXIT WIDTH (INCHES) C: CAPACITY (PEOPLE) P: EXIT WIDTH PER PERSON A: ACTUAL EGRESS (PEOPLE)		
W	P						
C	A						
OCCUPANCY, TYPE A - ASSEMBLY B - BUSINESS S - STORAGE	<table><tr><td>1200 SF</td><td>ROOM / ZONE AREA</td></tr><tr><td>B 100</td><td>OCCUPANCY, ALLOWABLE AREA PER OCCUPANT</td></tr><tr><td>12</td><td>OCCUPANCY LOAD (PEOPLE)</td></tr></table>	1200 SF	ROOM / ZONE AREA	B 100	OCCUPANCY, ALLOWABLE AREA PER OCCUPANT	12	OCCUPANCY LOAD (PEOPLE)
1200 SF	ROOM / ZONE AREA						
B 100	OCCUPANCY, ALLOWABLE AREA PER OCCUPANT						
12	OCCUPANCY LOAD (PEOPLE)						
	(B) BUSINESS, 1200SF /150 = 8 TOTAL OCCUPANTS						

WALKER

the GROUP

ARCHITECTURE

incorporated

PO BOX 541, NEW BERN, NC 28563

252-636-8778

Christopher B. Walker

REGISTERED

SEAL

15616

10/31/25

ARCHITECT

NORTH CAROLINA

New NC Forest
Service County
Office for Jones
County

NC Highway 58 S
Jones County, NC 28585

ISSUED FOR
CONSTRUCTION
SCO# 23-26839-01B

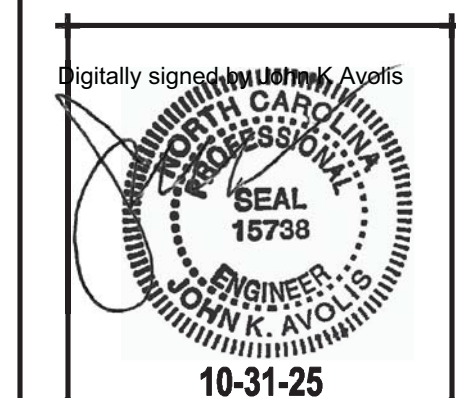
Revisions	
No.	Date

Project Number	Date
2318.NCFS	10/31/25
Drawn	Checked
Author	Checker
Scale	
AS NOTED	
Drawing Title	

LIFE SAFETY PLAN

Sheet Number	
3 Of 47	
Drawing Number	

GI003



NC HIGHWAY 58 S
JONES COUNTY, NC 28585

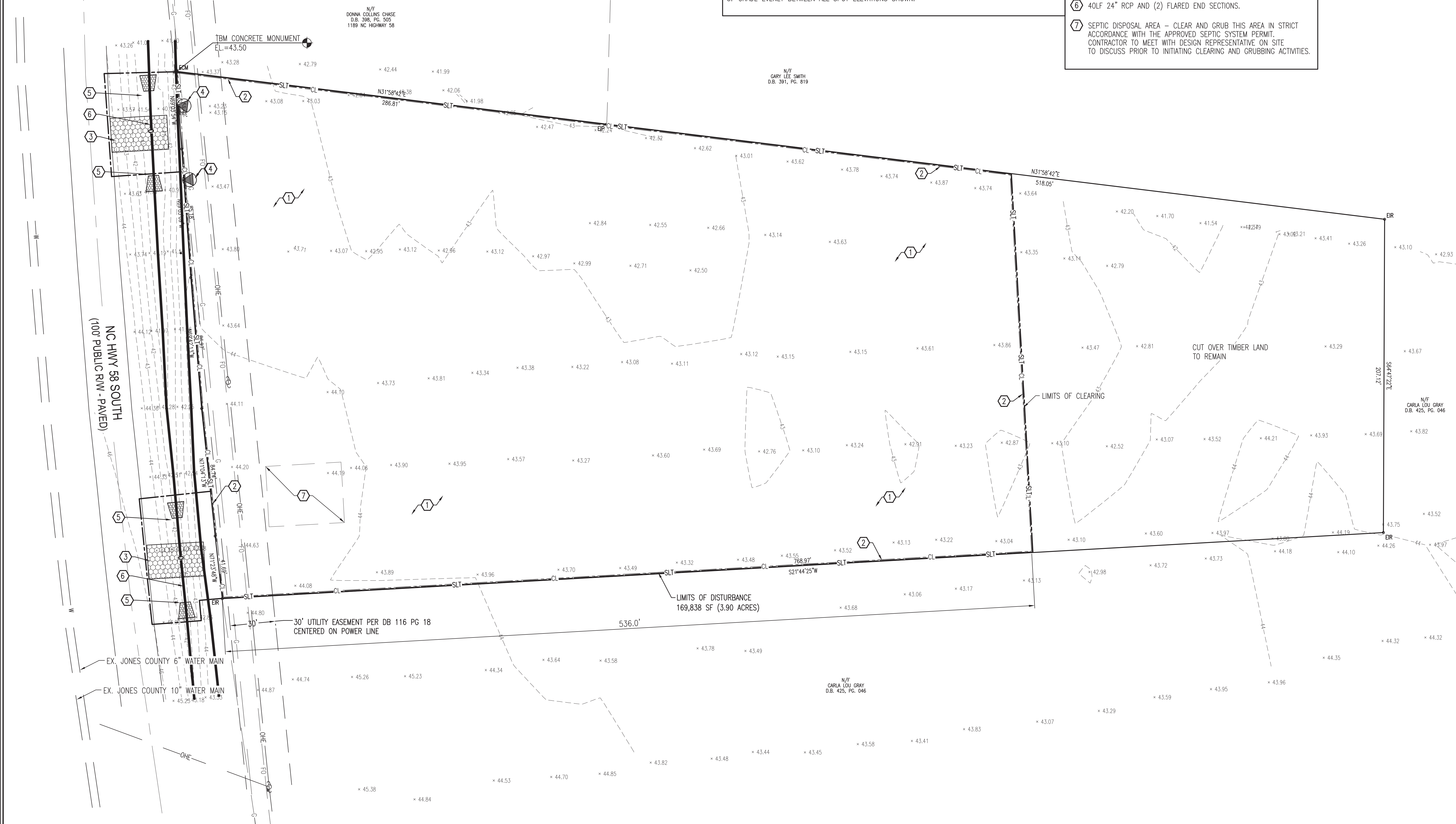
[illegible]

Site Plan - Existing Conditions and Demolition

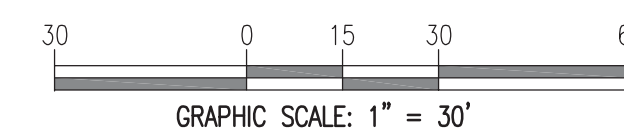
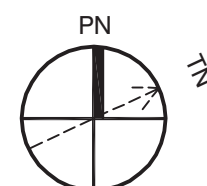
C-100

1. THE LOCATION AND DEPTHS OF EXISTING UTILITIES SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SCANNING THE AREA OF WORK TO IDENTIFY TO HIS OWN SATISFACTION THE EXTENT OF UTILITIES PRESENT INCLUDING THE UTILITIES INDICATED TO BE PRESENT, THOSE NOT SHOWN, AND THOSE SHOWN TO BE IN A DIFFERENT LOCATION.
2. PHYSICAL SITE FEATURES OUTSIDE THE AREA OF WORK OR THOSE FEATURES NOT RELEVANT TO THE WORK BEING PERFORMED ARE NOT SHOWN FOR CLARITY.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TRAFFIC FLOW DURING THE COURSE OF CONSTRUCTION. THE CONTRACTOR SHALL DEVELOP A TRAFFIC CONTROL PLAN TO BE SUBMITTED TO THE PROJECT CIVIL ENGINEER FOR APPROVAL PRIOR TO STARTING CONSTRUCTION.
4. ALL EXISTING VEGETATED AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED IN ACCORDANCE WITH THE PROJECT VEGETATION PLAN, SEE DETAIL E, SHEET C6501.
5. GRADE EVENLY BETWEEN ALL SPOT ELEVATIONS SHOWN.

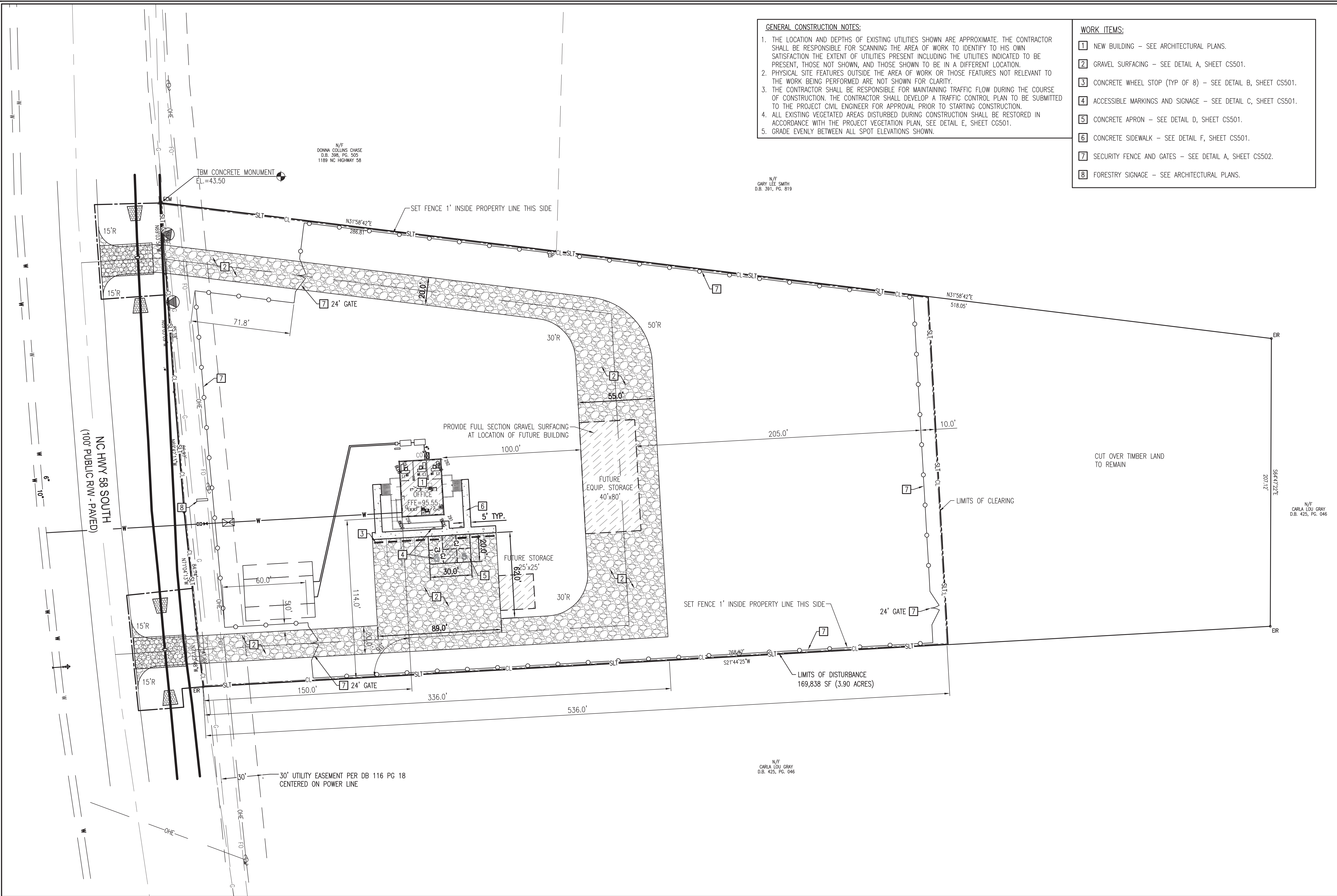
- 1 CLEAR AND GRUB TO EXTENTS SHOWN.
- 2 INSTALL SILT FENCE - SEE DETAIL A, SHEET CG501.
- 3 INSTALL GRAVEL CONTROL ENTRANCE. SEE DETAIL B, SHEET CG501.
- 4 INSTALL CHECK DAM. SEE DETAIL C, SHEET CG501.
- 5 INSTALL INLET/OUTLET PROTECTION. SEE DETAIL D, SHEET CG501.
- 6 40LF 24" RCP AND (2) FLARED END SECTIONS.
- 7 SEPTIC DISPOSAL AREA - CLEAR AND GRUB THIS AREA IN STRICT ACCORDANCE WITH THE APPROVED SEPTIC SYSTEM PERMIT. CONTRACTOR TO MEET WITH DESIGN REPRESENTATIVE ON SITE TO DISCUSS PRIOR TO INITIATING CLEARING AND GRUBBING ACTIVITIES



A SITE PLAN-EXISTING CONDITIONS AND DEMOLITION
SCALE: 1" = 30'



AVOLIS ENGINEERING, P.A.
P.O. BOX 15564
NEW BERN, NC 28561
PH. (252) 633-0068
kevin@avoliseng.com



GENERAL CONSTRUCTION NOTES:

1. THE LOCATION AND DEPTHS OF EXISTING UTILITIES SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SCANNING THE AREA OF WORK TO IDENTIFY TO HIS OWN SATISFACTION THE EXTENT OF UTILITIES PRESENT INCLUDING THE UTILITIES INDICATED TO BE PRESENT, THOSE NOT SHOWN, AND THOSE SHOWN TO BE IN A DIFFERENT LOCATION.
2. PHYSICAL SITE FEATURES OUTSIDE THE AREA OF WORK OR THOSE FEATURES NOT RELEVANT TO THE WORK BEING PERFORMED ARE NOT SHOWN FOR CLARITY.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TRAFFIC FLOW DURING THE COURSE OF CONSTRUCTION. THE CONTRACTOR SHALL DEVELOP A TRAFFIC CONTROL PLAN TO BE SUBMITTED TO THE PROJECT CIVIL ENGINEER FOR APPROVAL PRIOR TO STARTING CONSTRUCTION.
4. ALL EXISTING VEGETATED AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED IN ACCORDANCE WITH THE PROJECT VEGETATION PLAN, SEE DETAIL E, SHEET C6501.
5. GRADE EVENLY BETWEEN ALL SPOT ELEVATIONS SHOWN.

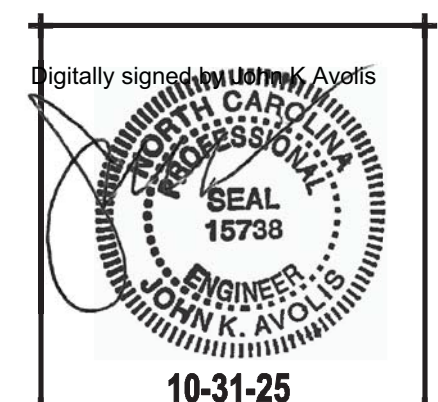
WORK ITEMS:

- 1 NEW BUILDING - SEE ARCHITECTURAL PLANS.
- 2 GRAVEL SURFACING - SEE DETAIL A, SHEET CS501.
- 3 CONCRETE WHEEL STOP (TYP OF 8) - SEE DETAIL B, SHEET CS501.
- 4 ACCESSIBLE MARKINGS AND SIGNAGE - SEE DETAIL C, SHEET CS501.
- 5 CONCRETE APRON - SEE DETAIL D, SHEET CS501.
- 6 CONCRETE SIDEWALK - SEE DETAIL F, SHEET CS501.
- 7 SECURITY FENCE AND GATES - SEE DETAIL A, SHEET CS502.
- 8 FORESTRY SIGNAGE - SEE ARCHITECTURAL PLANS.

N/F
GARY LEE SMITH
D.B. 391, PG. 819

N/F
CARLA LOU GRAY
D.B. 425, PG. 046

N/F
CARLA LOU GRAY
D.B. 425, PG. 046



**New NC Forest
Service County
Office for Jones
County**

**NC HIGHWAY 58 S
JONES COUNTY, NC 28585**

**ISSUED FOR
CONSTRUCTION
SCO# 23-26839-01B**

Revisions	
No.	Date

Project Number
2318.NCFS

Drawn
MSP

Scale
AS NOTED

Drawing Title

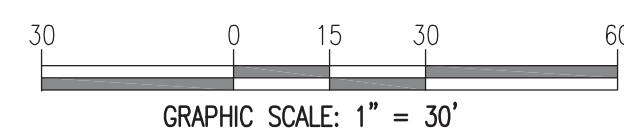
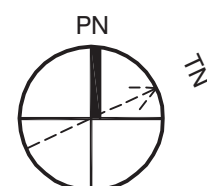
Site Layout Plan

Sheet Number
6 of **47**

Drawing Number

C-101

A **SITE LAYOUT PLAN**
SCALE: 1" = 30'





THE LOCATION AND DEPTHS OF EXISTING UTILITIES SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SCANNING THE AREA OF WORK TO IDENTIFY TO HIS OWN SATISFACTION THE EXTENT OF UTILITIES PRESENT INCLUDING THE UTILITIES INDICATED TO BE PRESENT, THOSE NOT SHOWN, AND THOSE SHOWN TO BE IN A DIFFERENT LOCATION. PHYSICAL SITE FEATURES OUTSIDE THE AREA OF WORK OR THOSE FEATURES NOT RELEVANT TO THE WORK BEING PERFORMED ARE NOT SHOWN FOR CLARITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TRAFFIC FLOW DURING THE COURSE OF CONSTRUCTION. THE CONTRACTOR SHALL DEVELOP A TRAFFIC CONTROL PLAN TO BE SUBMITTED TO THE PROJECT CIVIL ENGINEER FOR APPROVAL PRIOR TO STARTING CONSTRUCTION. ALL EXISTING VEGETATED AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED IN ACCORDANCE WITH THE PROJECT VEGETATION PLAN, SEE DETAIL E, SHEET CG501. GRADE EVENLY BETWEEN ALL SPOT ELEVATIONS SHOWN.

- 1 CONSTRUCT LINED SWALE - SEE DETAIL F, SHEET CG501.
- 2 INSTALL SILT FENCE - SEE DETAIL A, SHEET CG501.
- 3 INSTALL GRAVEL CONTROL ENTRANCE. SEE DETAIL B, SHEET CG501.
- 4 INSTALL CHECK DAM. SEE DETAIL C, SHEET CG501.
- 5 INSTALL INLET/OUTLET PROTECTION. SEE DETAIL D, SHEET CG501.
- 6 40LF 24" RCP AND (2) FLARED END SECTIONS.



NC HIGHWAY 58 S
JONES COUNTY, NC 28585

ISSUED FOR
CONSTRUCTION
SCO# 23-26839-01B

[illegible]

Project Number **2318.NCFS** Date **10-31-25**
 Drawn **MSP** Checked **JKA**

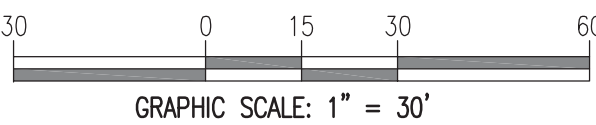
Scale
AS NOTED

Drawing Title
Site Grading Plan

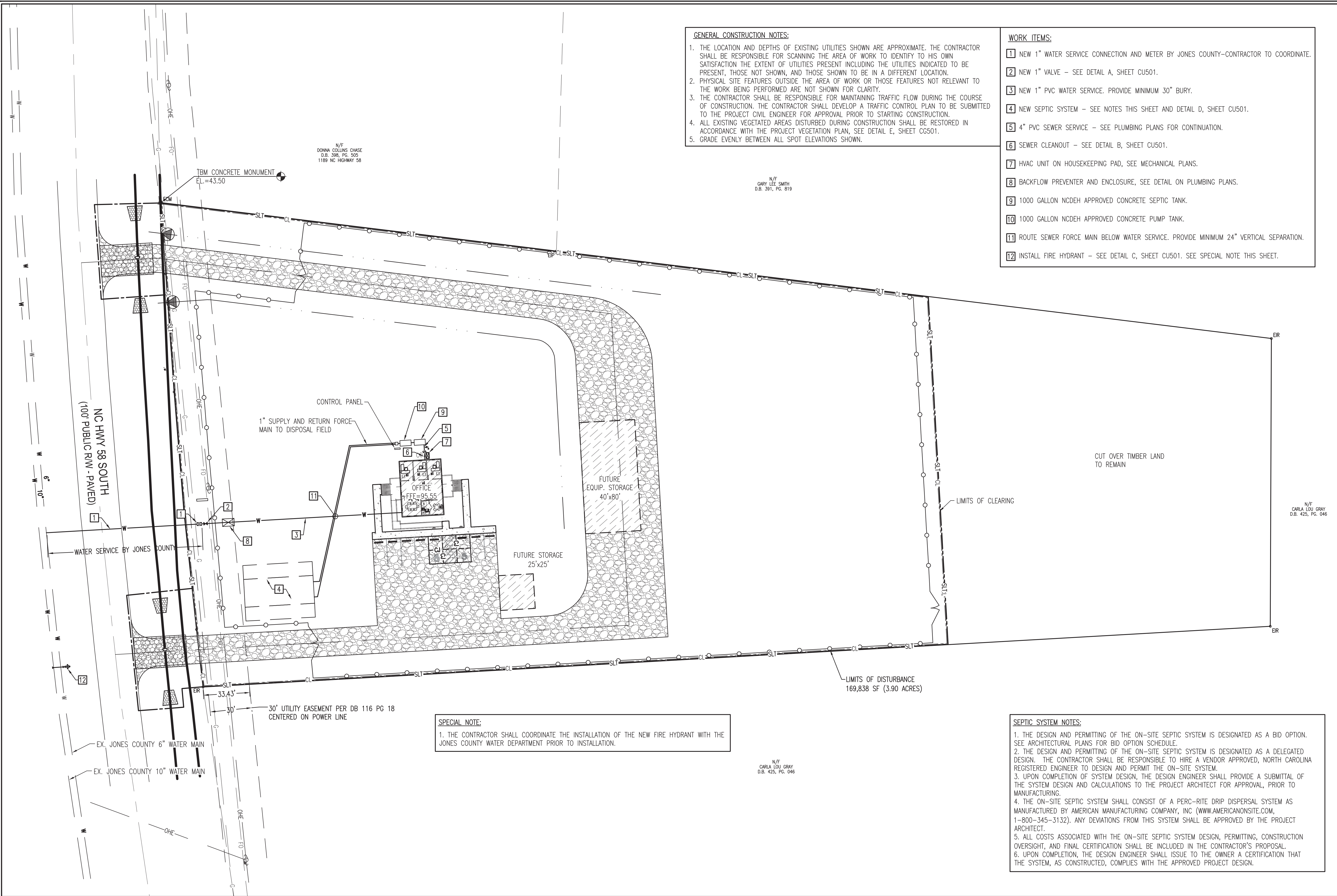
Sheet Number
7 Of **47**

Drawing Number

C-102



AVOLIS ENGINEERING, P.A.
P.O. BOX 15564
NEW BERN, NC 28561
PH. (252) 633-0068
kevin@avoliseng.com



- GENERAL CONSTRUCTION NOTES:**

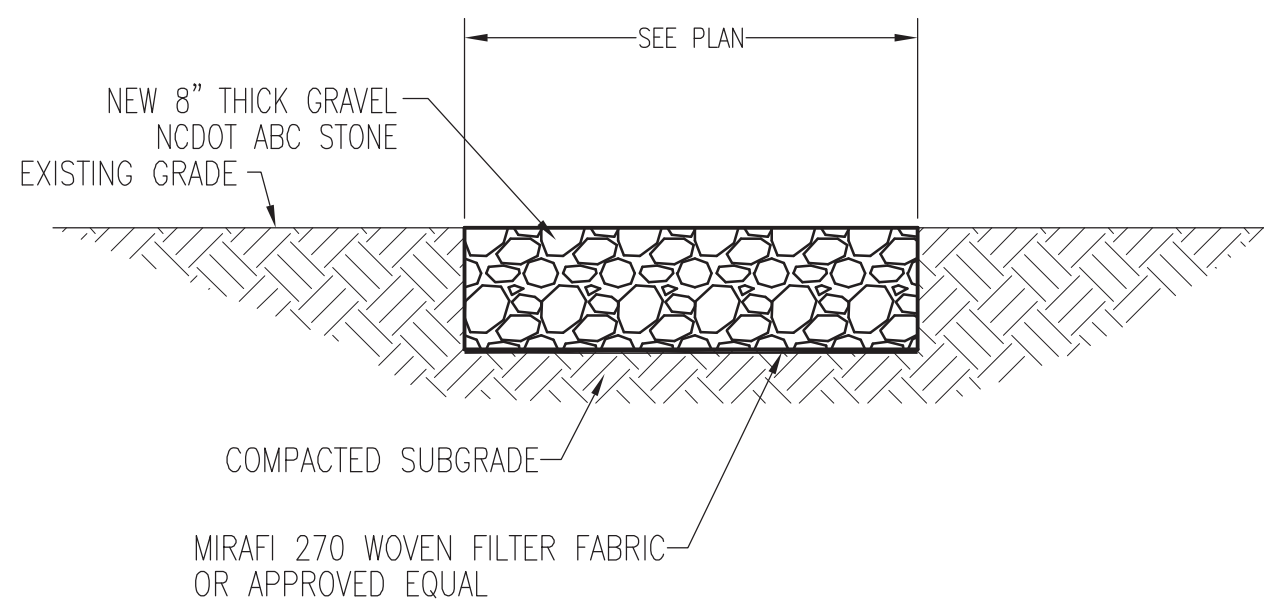
 1. THE LOCATION AND DEPTHS OF EXISTING UTILITIES SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SCANNING THE AREA OF WORK TO IDENTIFY TO HIS OWN SATISFACTION THE EXTENT OF UTILITIES PRESENT INCLUDING THE UTILITIES INDICATED TO BE PRESENT, THOSE NOT SHOWN, AND THOSE SHOWN TO BE IN A DIFFERENT LOCATION.
 2. PHYSICAL SITE FEATURES OUTSIDE THE AREA OF WORK OR THOSE FEATURES NOT RELEVANT TO THE WORK BEING PERFORMED ARE NOT SHOWN FOR CLARITY.
 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TRAFFIC FLOW DURING THE COURSE OF CONSTRUCTION. THE CONTRACTOR SHALL DEVELOP A TRAFFIC CONTROL PLAN TO BE SUBMITTED TO THE PROJECT CIVIL ENGINEER FOR APPROVAL PRIOR TO STARTING CONSTRUCTION.
 4. ALL EXISTING VEGETATED AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED IN ACCORDANCE WITH THE PROJECT VEGETATION PLAN, SEE DETAIL E, SHEET CG501.
 5. GRADE EVENLY BETWEEN ALL SPOT ELEVATIONS SHOWN.
- WORK ITEMS:**

 - 1 NEW 1" WATER SERVICE CONNECTION AND METER BY JONES COUNTY-CONTRACTOR TO COORDINATE.
 - 2 NEW 1" VALVE - SEE DETAIL A, SHEET CU501.
 - 3 NEW 1" PVC WATER SERVICE. PROVIDE MINIMUM 30" BURY.
 - 4 NEW SEPTIC SYSTEM - SEE NOTES THIS SHEET AND DETAIL D, SHEET CU501.
 - 5 4" PVC SEWER SERVICE - SEE PLUMBING PLANS FOR CONTINUATION.
 - 6 SEWER CLEANOUT - SEE DETAIL B, SHEET CU501.
 - 7 HVAC UNIT ON HOUSEKEEPING PAD, SEE MECHANICAL PLANS.
 - 8 BACKFLOW PREVENTER AND ENCLOSURE, SEE DETAIL ON PLUMBING PLANS.
 - 9 1000 GALLON NCDEH APPROVED CONCRETE SEPTIC TANK.
 - 10 1000 GALLON NCDEH APPROVED CONCRETE PUMP TANK.
 - 11 ROUTE SEWER FORCE MAIN BELOW WATER SERVICE. PROVIDE MINIMUM 24" VERTICAL SEPARATION.
 - 12 INSTALL FIRE HYDRANT - SEE DETAIL C, SHEET CU501. SEE SPECIAL NOTE THIS SHEET.

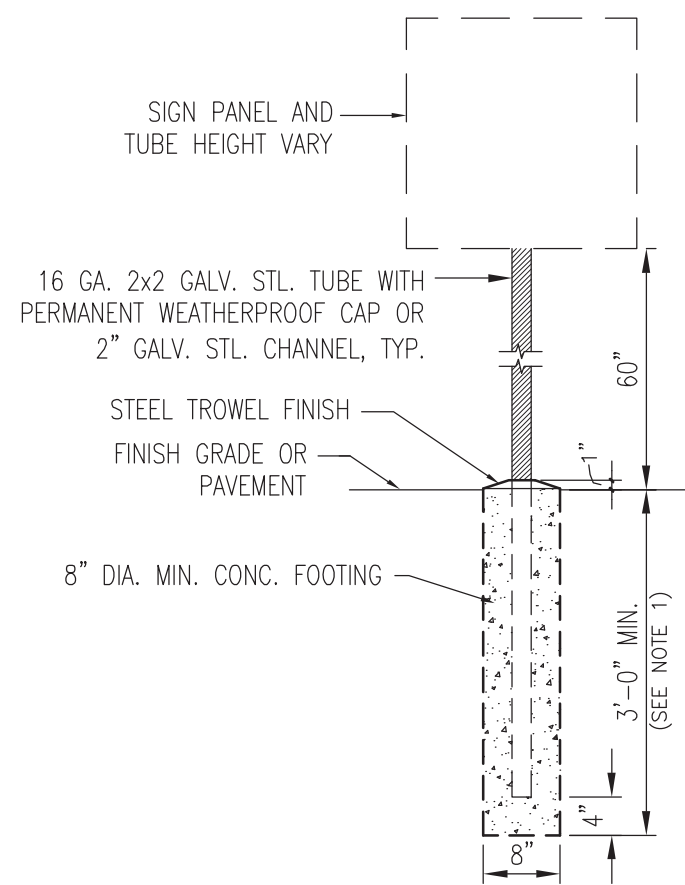
SPECIAL NOTE:

1. THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF THE NEW FIRE HYDRANT WITH THE JONES COUNTY WATER DEPARTMENT PRIOR TO INSTALLATION.

- SEPTIC SYSTEM NOTES:**
1. THE DESIGN AND PERMITTING OF THE ON-SITE SEPTIC SYSTEM IS DESIGNATED AS A BID OPTION. SEE ARCHITECTURAL PLANS FOR BID OPTION SCHEDULE.
 2. THE DESIGN AND PERMITTING OF THE ON-SITE SEPTIC SYSTEM IS DESIGNATED AS A DELEGATED DESIGN. THE CONTRACTOR SHALL BE RESPONSIBLE TO HIRE A VENDOR APPROVED, NORTH CAROLINA REGISTERED ENGINEER TO DESIGN AND PERMIT THE ON-SITE SYSTEM.
 3. UPON COMPLETION OF SYSTEM DESIGN, THE DESIGN ENGINEER SHALL PROVIDE A SUBMITTAL OF THE SYSTEM DESIGN AND CALCULATIONS TO THE PROJECT ARCHITECT FOR APPROVAL, PRIOR TO MANUFACTURING.
 4. THE ON-SITE SEPTIC SYSTEM SHALL CONSIST OF A PERC-RITE DRIP DISPERSAL SYSTEM AS MANUFACTURED BY AMERICAN MANUFACTURING COMPANY, INC (WWW.AMERICANONSITE.COM, 1-800-345-3132). ANY DEVIATIONS FROM THIS SYSTEM SHALL BE APPROVED BY THE PROJECT ARCHITECT.
 5. ALL COSTS ASSOCIATED WITH THE ON-SITE SEPTIC SYSTEM DESIGN, PERMITTING, CONSTRUCTION OVERSIGHT, AND FINAL CERTIFICATION SHALL BE INCLUDED IN THE CONTRACTOR'S PROPOSAL.
 6. UPON COMPLETION, THE DESIGN ENGINEER SHALL ISSUE TO THE OWNER A CERTIFICATION THAT THE SYSTEM, AS CONSTRUCTED, COMPLIES WITH THE APPROVED PROJECT DESIGN.



A GRAVEL SURFACING
NOT TO SCALE

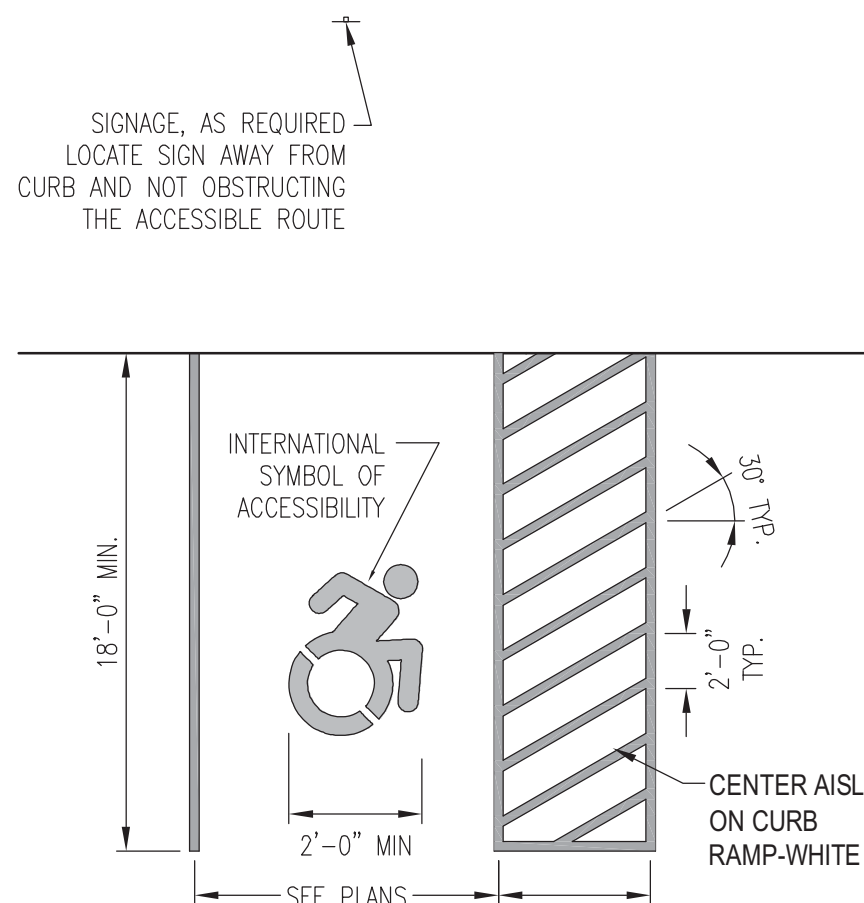


SIGN MOUNTING

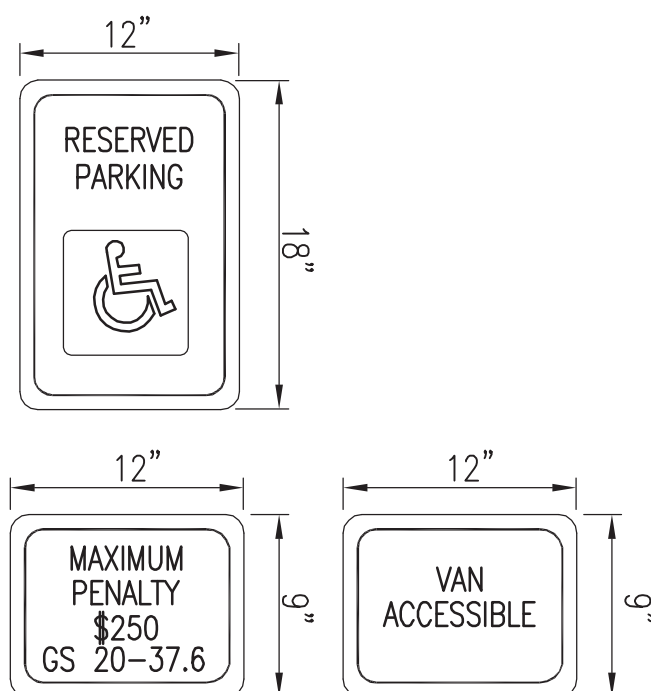
ALL SIGNAGE TO CONFORM TO US DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), 2009 EDITION (OR CURRENT IF NEWER).



PAVEMENT MARKING



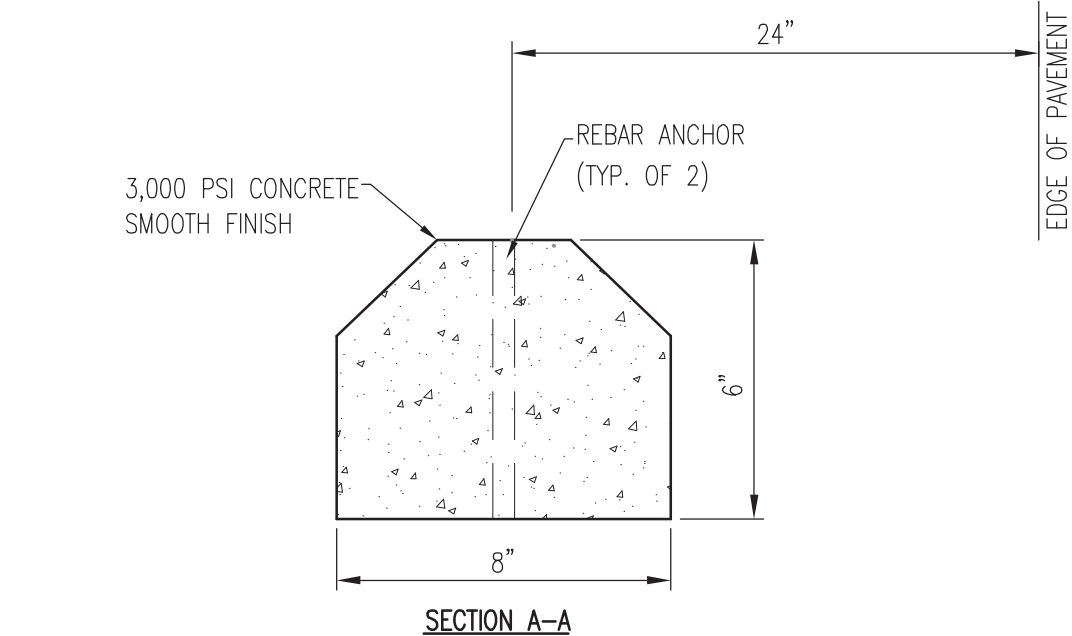
HANDICAP SPACE DESIGNATION



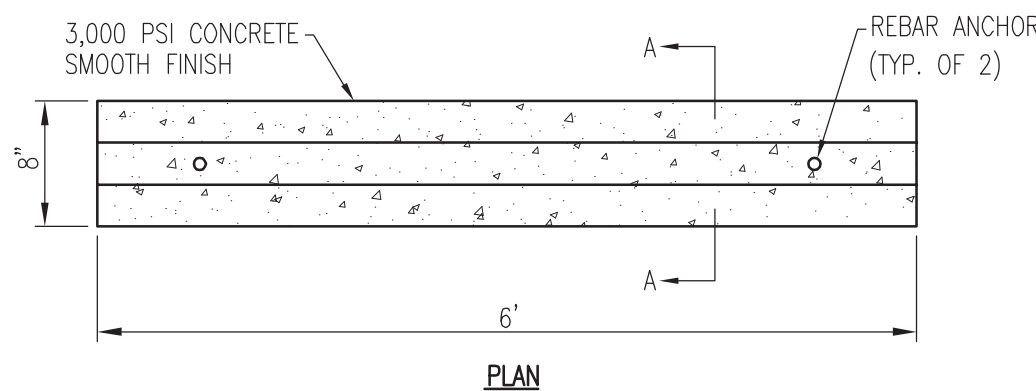
- NOTES:
1. COLORS
BACKGROUND: WHITE
LEGEND AND BORDER: GREEN
WHITE SYMBOL ON BLUE BACKGROUND
 2. MOUNT THE SIGN 60" ABOVE GRADE.

TYPE A – HANDICAP PARKING SIGNAGE

C ACCESSIBLE MARKINGS AND SIGNAGE
NOT TO SCALE

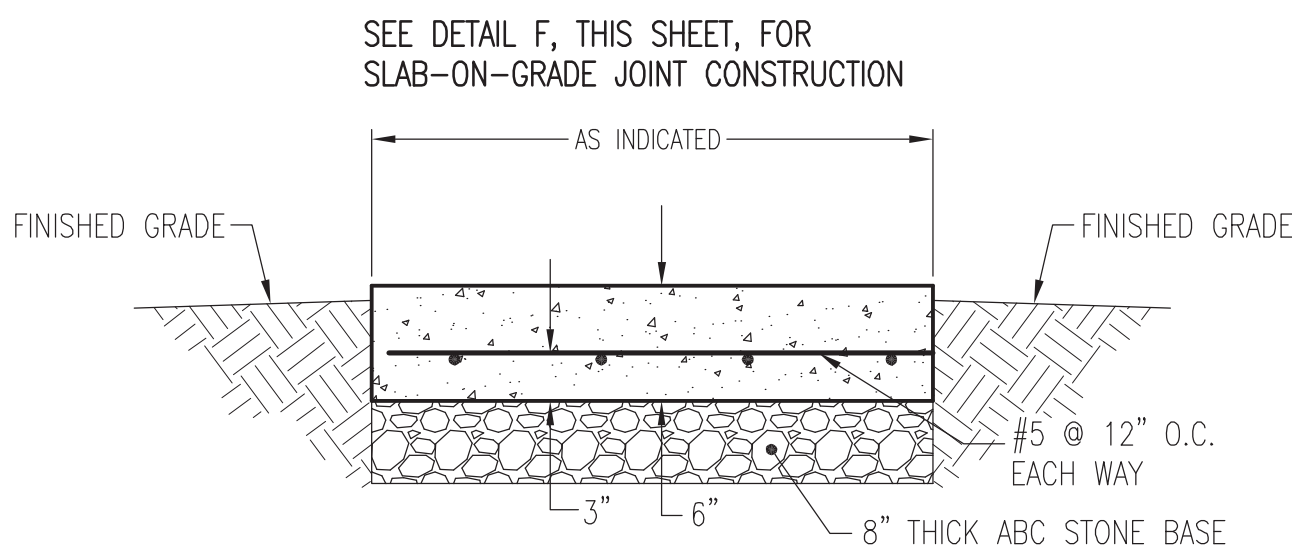


SECTION A-A



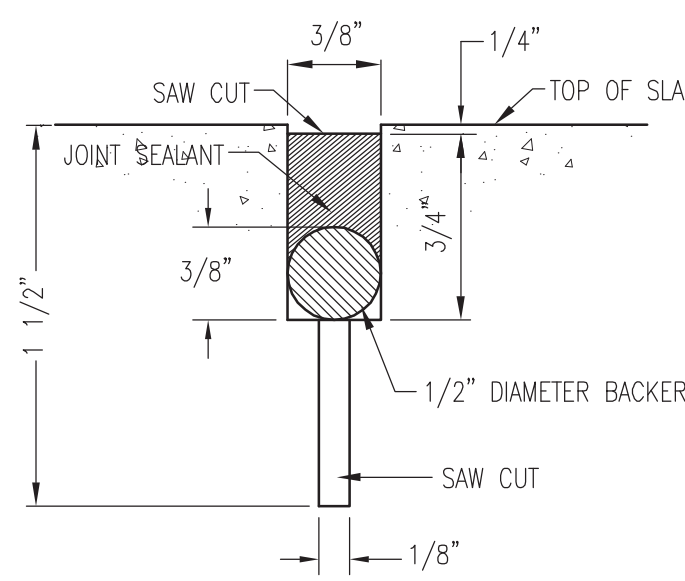
PLAN

B CONCRETE WHEEL STOP
NOT TO SCALE

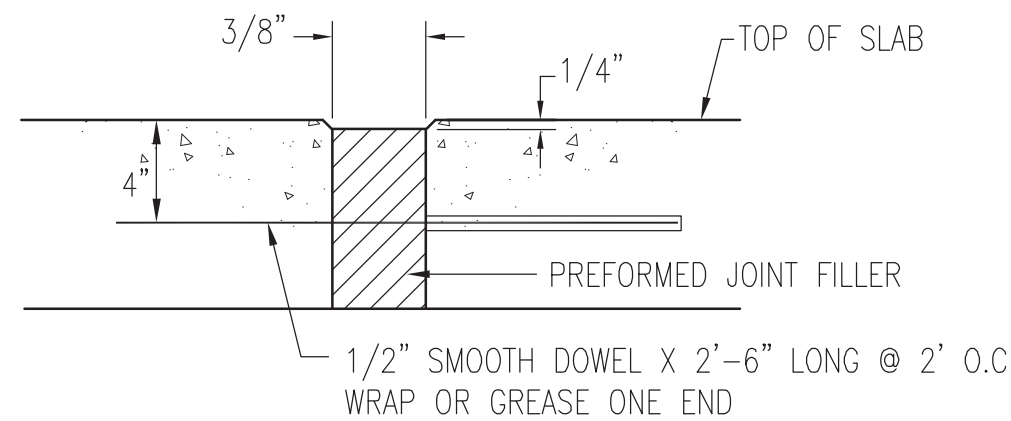


CJ = CONTRACTION JOINT, SEE DETAIL E, THIS SHEET.
EJ = EXPANSION JOINT, SEE DETAIL E, THIS SHEET.

D CONCRETE APRON
SCALE: NTS



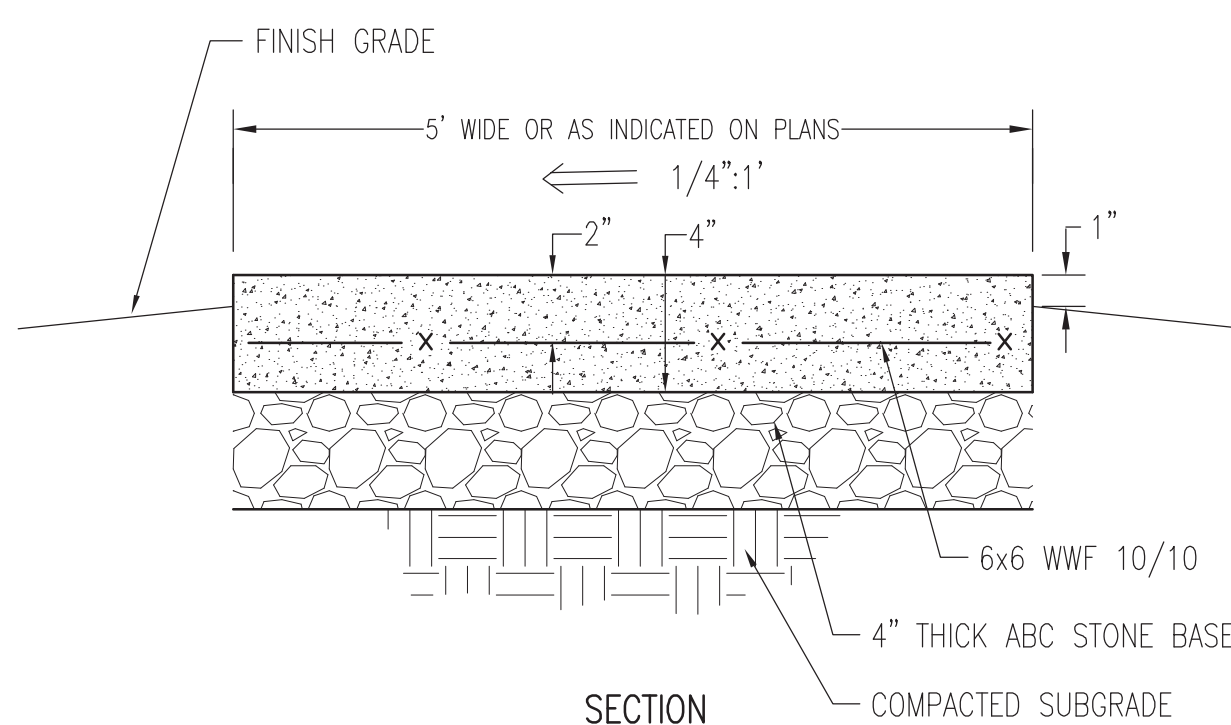
TYPICAL SLAB-ON-GRADE JOINT (CJ)



EXPANSION JOINT (EJ)

LEGEND:
CJ=CONTRACTION JOINT
EJ=EXPANSION JOINT

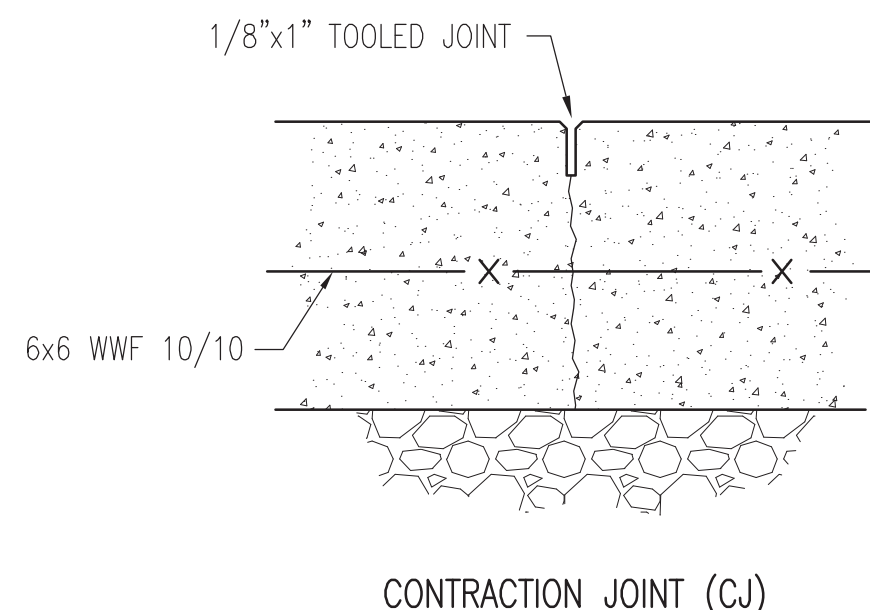
E SLAB-ON-GRADE JOINTS
NOT TO SCALE



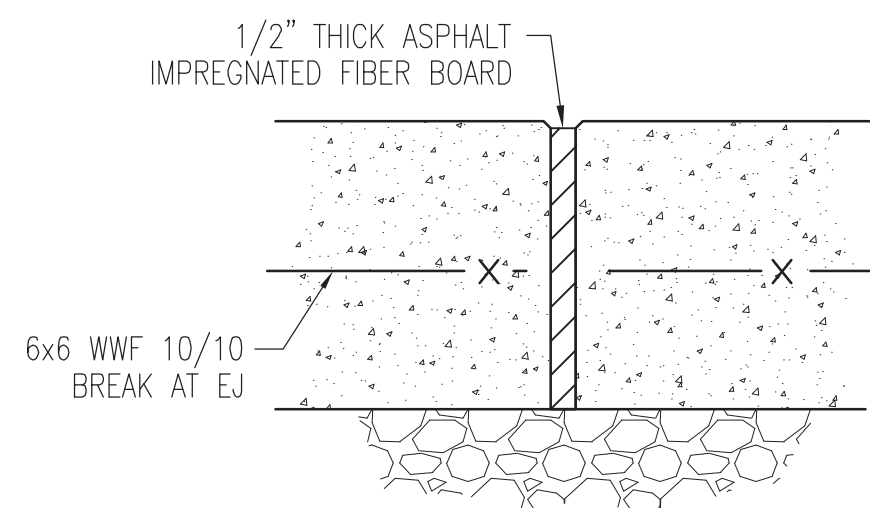
SECTION

- NOTES:
1. PROVIDE EXPANSION JOINTS ALONG ALL EXISTING STRUCTURES AND WALLS AND AT 20' INTERVALS ALONG STRAIGHT SECTIONS OF WALK.
 2. PROVIDE TOOLED CONTRACTION JOINTS AT 6'-0" INTERVALS AND AT ALL CHANGES IN DIRECTION OF WALK. TOOLED CONTRACTION JOINTS MUST BE 1/8" WIDE X 1" DEEP.
 3. SUBGRADE MUST BE WETTED IMMEDIATELY PRIOR TO PLACING CONCRETE, OR PROVIDE POLYETHYLENE SHEETING ON GROUND SURFACE BELOW CONCRETE.
 4. PROVIDE FLOATED SURFACE WITH LIGHT BROOM FINISH.
 5. PROTECT WORK IN PLACE FROM VANDALISM, GRAFFITI, ETC... UNTIL CONCRETE IS SUFFICIENTLY DRY.

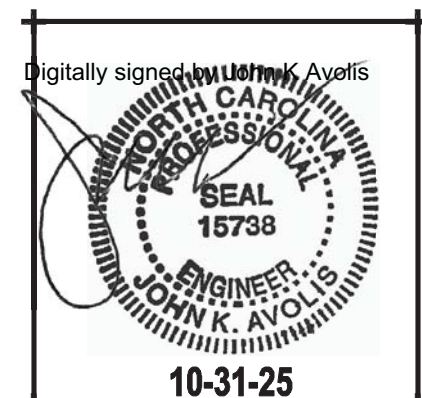
F CONCRETE SIDEWALK
NOT TO SCALE



CONTRACTION JOINT (Cj)



EXPANSION JOINT (Ej)



**New NC Forest
Service County
Office for Jones
County**

**NC HIGHWAY 58 S
JONES COUNTY, NC 28585**

**ISSUED FOR
CONSTRUCTION
SCO# 23-26839-01B**

Revisions	
No.	Date

Project Number
2318.NCFS

Drawn
MSP

Scale
AS NOTED

Date
10-31-25

Checked
JKA

Drawing Title

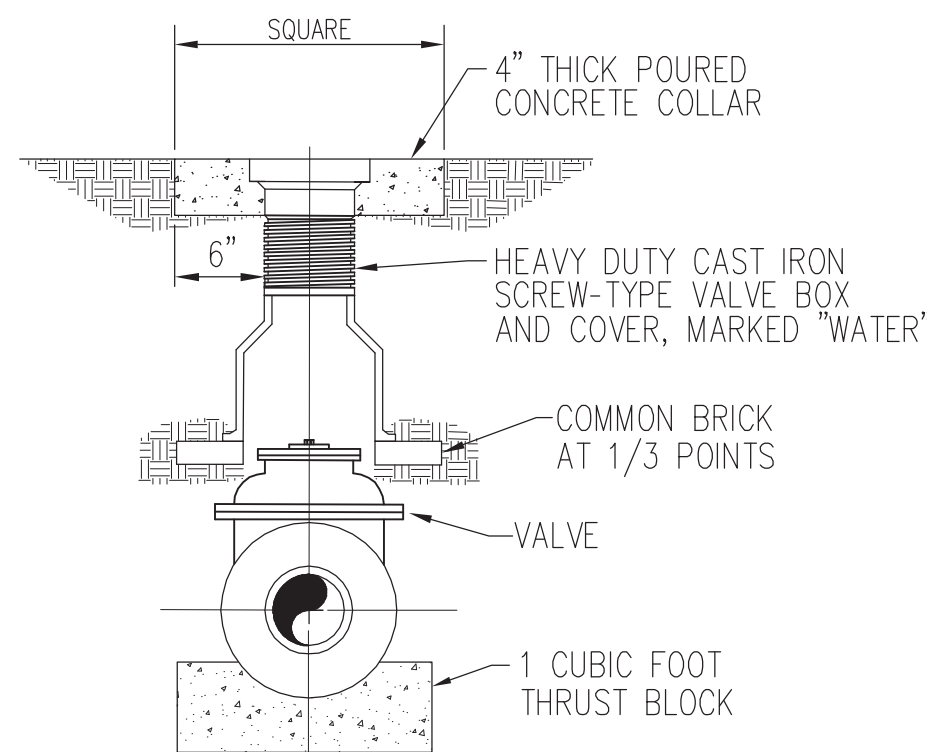
DETAILS

Sheet Number
9 of **47**

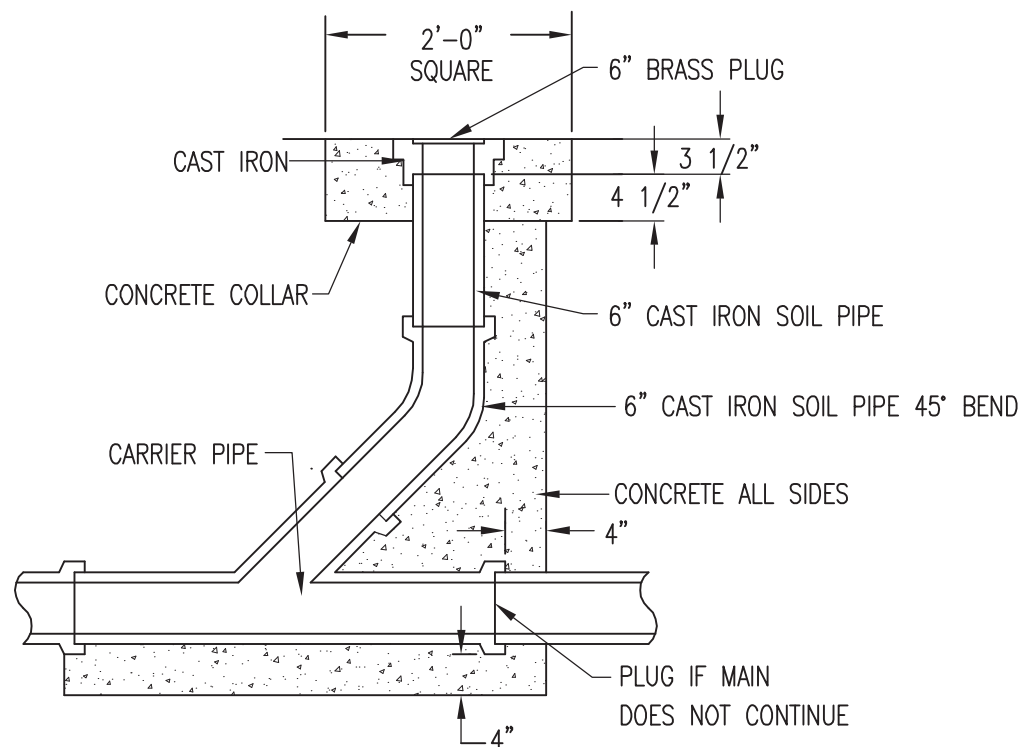
Drawing Number

CS501

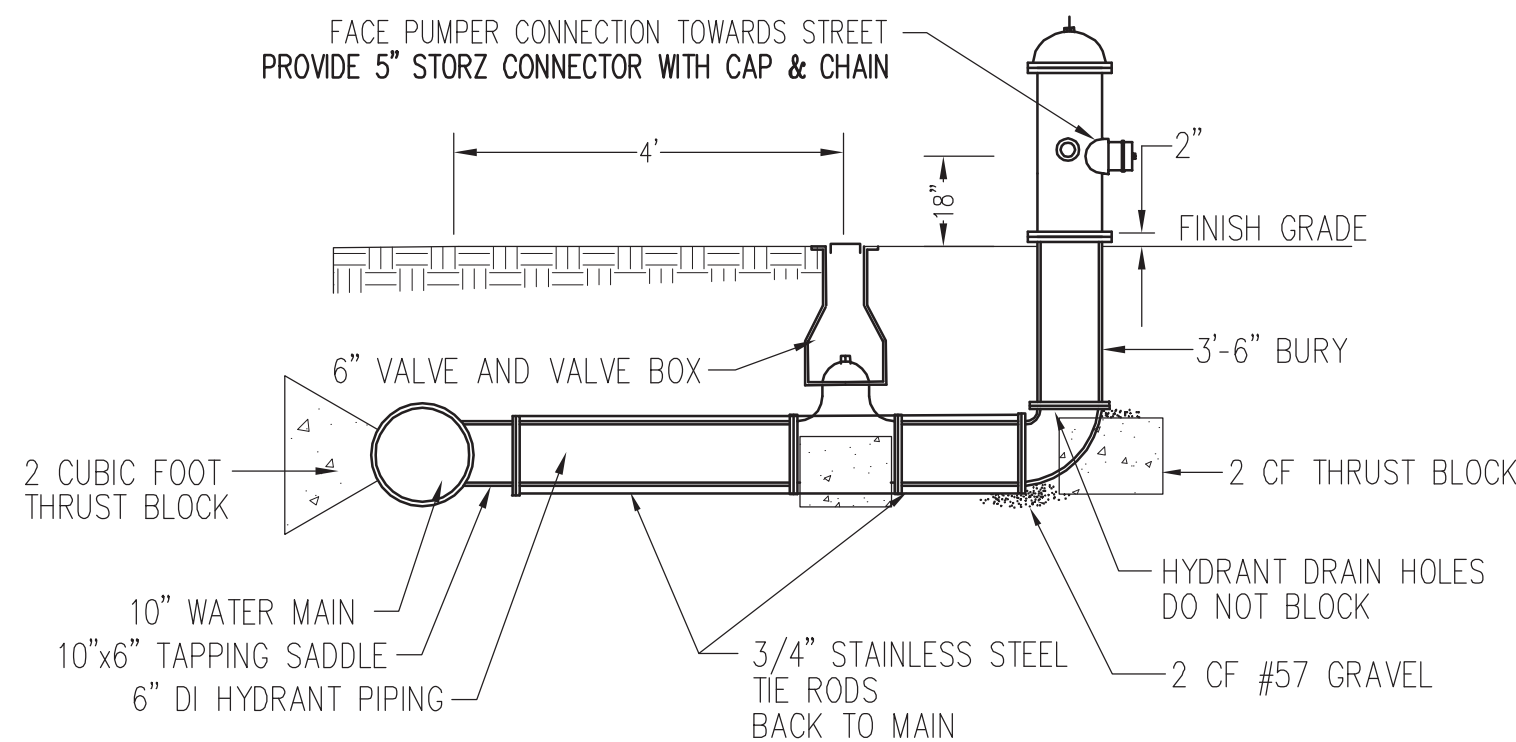
CS502



A VALVE AND VALVE BOX
SCALE: NTS



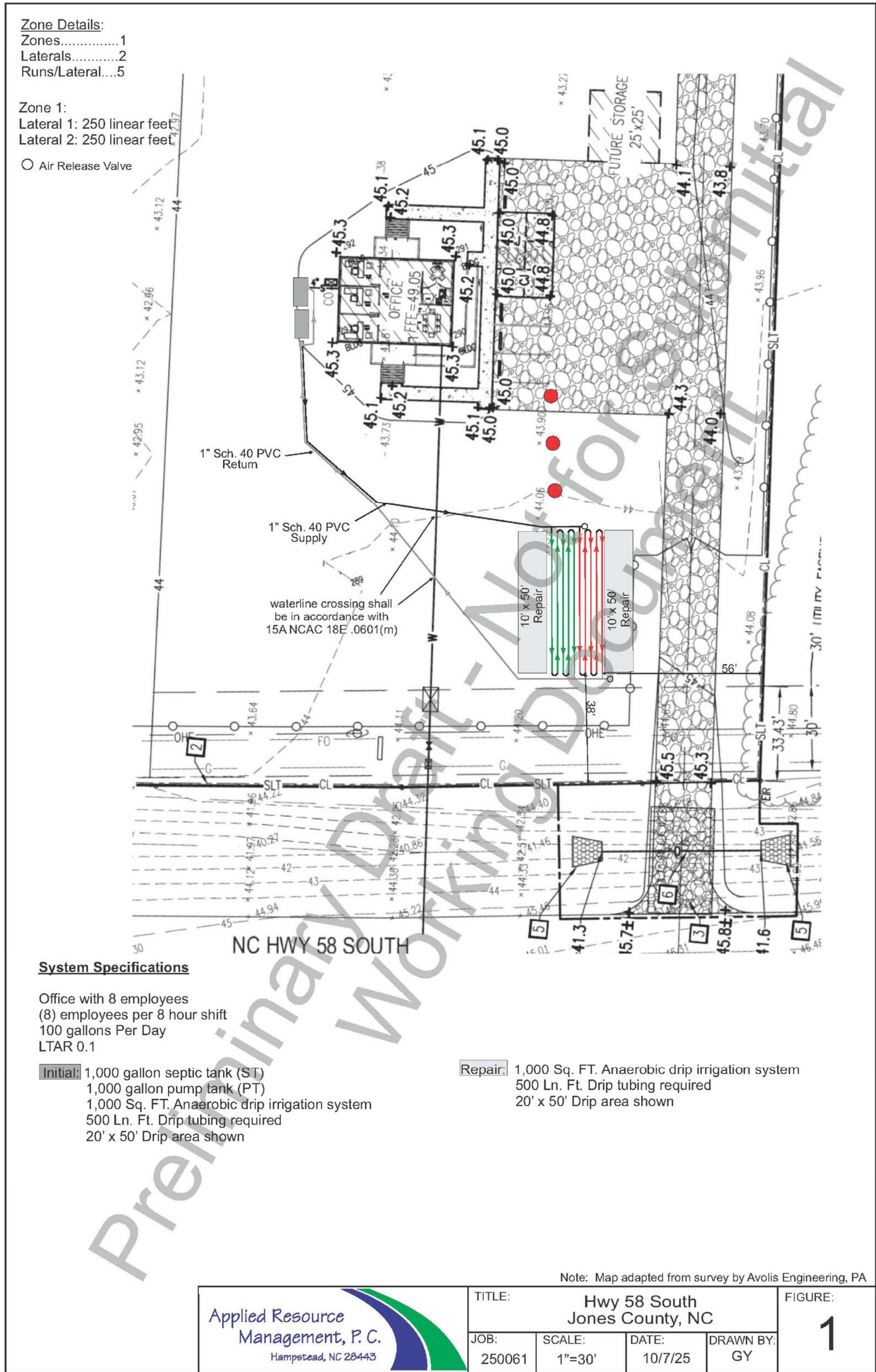
B CLEANOUT
SCALE: NTS



NOTE: HYDRANT SHALL BE PAINTED YELLOW

C HYDRANT
NOT TO SCALE

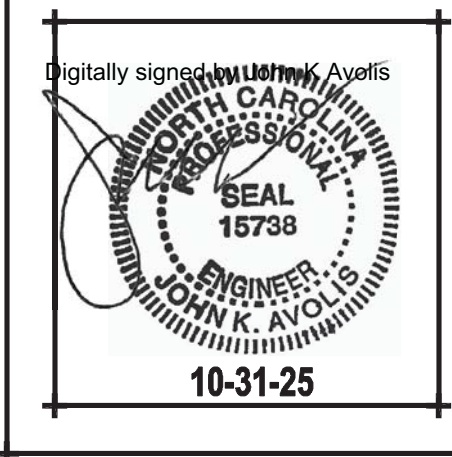
LAYOUT PLAN



SEPTIC SYSTEM NOTES:

1. THE DESIGN AND PERMITTING OF THE ON-SITE SEPTIC SYSTEM IS DESIGNATED AS A BID OPTION. SEE ARCHITECTURAL PLANS FOR BID OPTION SCHEDULE.
2. THE DESIGN AND PERMITTING OF THE ON-SITE SEPTIC SYSTEM IS DESIGNATED AS A DELEGATED DESIGN. THE CONTRACTOR SHALL BE RESPONSIBLE TO HIRE A VENDOR APPROVED, NORTH CAROLINA REGISTERED ENGINEER TO DESIGN AND PERMIT THE ON-SITE SYSTEM.
3. UPON COMPLETION OF SYSTEM DESIGN, THE DESIGN ENGINEER SHALL PROVIDE A SUBMITTAL OF THE SYSTEM DESIGN AND CALCULATIONS TO THE PROJECT ARCHITECT FOR APPROVAL, PRIOR TO MANUFACTURING.
4. THE ON-SITE SEPTIC SYSTEM SHALL CONSIST OF A PERC-RITE DRIP DISPERSAL SYSTEM AS MANUFACTURED BY AMERICAN MANUFACTURING COMPANY, INC (WWW.AMERICANONSITE.COM, 1-800-345-3132). ANY DEVIATIONS FROM THIS SYSTEM SHALL BE APPROVED BY THE PROJECT ARCHITECT.
5. ALL COSTS ASSOCIATED WITH THE ON-SITE SEPTIC SYSTEM DESIGN, PERMITTING, CONSTRUCTION OVERSIGHT, AND FINAL CERTIFICATION SHALL BE INCLUDED IN THE CONTRACTOR'S PROPOSAL.
6. UPON COMPLETION, THE DESIGN ENGINEER SHALL ISSUE TO THE OWNER A CERTIFICATION THAT THE SYSTEM, AS CONSTRUCTED, COMPLIES WITH THE APPROVED PROJECT DESIGN.

D SEPTIC SYSTEM PRELIMINARY LAYOUT
SCALE: NTS



New NC Forest
Service County
Office for Jones
County

NC HIGHWAY 58 S
JONES COUNTY, NC 28585

ISSUED FOR
CONSTRUCTION
SCO# 23-26839-01B

Revisions	
No.	Date

Project Number
2318.NCFS

Date
10-31-25

Drawn
MSP

Checked
JKA

Scale
AS NOTED

Drawing Title

Details

Sheet Number
13 of 47

Drawing Number

CU501

ARCHITECTURAL SYMBOLS		
1 A-501 DETAIL TAG SHEET WHERE DRAWN	ROOM ROOM TAG ROOM NAME ROOM NUMBER	A1 A-901 PHOTOGRAPH TAG SHEET WHERE SHOWN
A1 A-301 BUILDING SECTION NUMBER BUILDING SECTION TAG SHEET WHERE DRAWN	A1 A-401 A1 A1 INTERIOR ELEVATION TAG SHEET WHERE DRAWN	
A1 A-301 SECTION NUMBER WALL / PARTIAL BUILDING SECTION TAG SHEET WHERE DRAWN	1 NEW WORK KEYNOTE TAG KEYNOTE NUMBER	234 SPECIALITY ITEM TAG SPECIALITY ITEM NUMBER
A1 A-301 DIRECTION OF VIEW ELEVATION NUMBER EXTERIOR ELEVATION TAG SHEET WHERE DRAWN	1 DEMO KEYNOTE TAG KEYNOTE NUMBER	33 PARTITION IN PLAN PARTITION TYPE TAG PARTITION TYPE DESIGNATION (REFER TO PARTITION SCHEDULE)
101 DOOR NUMBER (REFER TO DOOR SCHEDULE) DOOR TAG	B WINDOW TYPE LETTER WINDOW TYPE TAG	

MATERIALS LEGEND			
SECTION		ELEVATION	
	WOOD - ROUGH		EIFS - PAINTED
	WOOD BLOCKING		CMU - PAINTED
	PLYWOOD		CMU - PAINTED - ACCENT
	CONCRETE MASONRY UNIT		GLAZED BLOCK
	BRICK		GLAZING
	CAST-IN-PLACE CONCRETE		SPANDREL GLAZING / STEEL PANEL
	STEEL		CONCRETE FOUNDATION
	ALUMINUM		
	GYPSUM BOARD		
	BATT/LOOSE FILL INSULATION		
	RIGID INSULATION		
	SAND / MORTAR / PLASTER		
	EARTH / COMPACT FILL		
	POROUS FILL / GRAVEL		
	ACOUSTICAL TILE CEILING		
	CERAMIC TILE		
	FINISHED WOOD		

ARCHITECTURAL ABBREVIATIONS

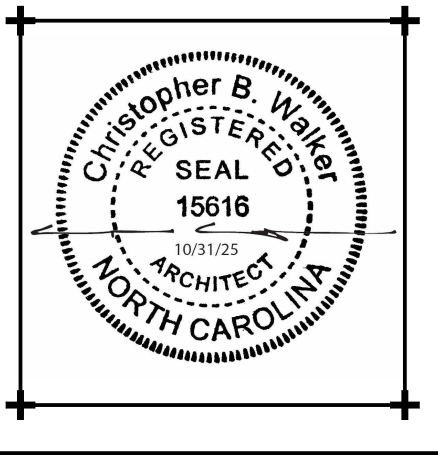
AB	ANCHOR BOLT	CPT	CARPET / COMMON PATH OF TRAVEL
ACS PNL	ACCESS PANEL	CT	CERAMIC TILE
ADJ	ADJUST	CTR	CENTER
ALT	ALTERNATE, ALTITUDE	D	DEPTH / DEEP
ALUM	ALUMINUM	DEG	DEGREE
ANOD	ANODIZED	DEMO	DEMOLITION
APPROX	APPROXIMATE	DET	DETAIL
ARCH	ARCHITECT	DIA	DIAMETER
ASPH	ASPHALT	DIM	DIMENSION
ATC	ACOUSTICAL TILE CEILING	DR	DRAIN
BD	BOARD	DS	DOWNSPOUT
BLDG	BUILDING	DW	DISHWASHER
BLW	BELOW	DWG	DRAWING
BM	BEAM	E	EAST
BOS	BOTTOM OF SLAB / STEEL	EA	EACH
BOT	BOTTOM	EIFS	EXTERIOR INSULATION & FINISH SYSTEM
BRG	BEARING	EJ	EXPANSION JOINT
BSMT	BASEMENT	EL	ELEVATION
BTWN	BETWEEN	ELEC	ELECTRIC / ELECTRICAL
C TO C	CENTER TO CENTER	EPDM	ETHLENE PROPYLENE DIEN MONOMER
CAB	CABINET	EQ	EQUAL
CEM	CEMENT	EQUIP	EQUIPMENT
CER	CERAMIC	EW	EACH WAY
CI	CAST IRON	EWG	ELECTRIC WATER COOLER
CIP	CAST IRON PIPE	EXH	EXHAUST
CJ	CONTROL / CONSTRUCTION JOINT	EXIST	EXISTING
CLG	CEILING	EXP	EXPANSION / EXPOSED / EXPAND
CLG REG	CEILING REGISTER	EXT	EXTERIOR
CLR	CLEAR	FD	FLOOR DRAIN
CMU	CONCRETE MASONRY UNIT	FDTN	FOUNDATION
CND	CONDUIT	FF	FINISH FACE
CNDS	CONDENSATE	FG	FIGURE
CNSTR	CONSTRUCTION	FHC	FIRE HOUSE CABINET
CNTR	CNTR	FIN FLR	FINISHED FLOOR
CO	CLEANOUT	FOF	FACE OF FINISH
COL	COLUMN	FOM	FACE OF MASONRY
CONC	CONCRETE	FOS	FACE OF STUB / FACE OF SLAB
CONN	CONNECT	FR	FRAME / FIRE RATING / FIRE RESISTANT
CONT	CONTINUE / CONTINUOUS	FT	FOOT, FEET
CORR	CORRIDOR	FTG	FOOTING

GA	GAUGE	SF	SQUARE FOOT
GALV	GALVANIZED	SH	SHINGLES / SINGLE HUNG
GFCI	GOVERNMENT FURNISHED CONTRACTOR INSTALLED	SIM	SIMILAR
GL	GLASS / GROUND LEVEL	SPC	SUSPENDED PLASTER CEILING
GR	GROSS	SPEC	SPECIFICATION
GSU	GLAZED STRUCTURAL UNIT	SQ	SQUARE
GYP	GYPSUM	STD	STANDARD
H	HIGH	STOR	STORAGE
HB	HOSE BIB	STR	STRAIGHT STRIKE / STRINGERS
HDW	HARDWARE	SUSP	SUSPENDED
HM	HOLLOW METAL	T&B	TOP AND BOTTOM
HORIZ	HORIZONTAL	TEL	TELEPHONE
HT	HEIGHT	THRES	THRESHOLD
HVY	HEAVY	THRU	THROUGH
ID	INSIDE DIAMETER	TOS	TOP OF SLAB / STEEL
INSUL	INSULATION / INSULATED	TYP	TYPICAL
INT	INTERIOR	UON	UNLESS OTHERWISE NOTED
J-BOX	JUNCTION BOX	V	VOLT
JAN	JANITOR CLOSET	VAR	VARIATION
LAV	LAVATORY	VB	VINYL BASE
LB	POUND	VCT	VINYL COMPOSITION TILE
LT	LIGHT	VENT	VENTILATION / VENTILATOR
MACH	MACHINE	VERT	VERTICAL
MATL	MATERIAL	VEST	VESTIBULE
MAX	MAXIMUM	VS	VENT STACK
MECH	MECHANICAL	VTR	VENT THROUGH ROOF
MFG	MANUFACTURING	VWC	VINYL WALL COVERING
MIN	MINIMUM / MINUTE	W	WASTE / WATT / WEST / WIDE
MISC	MISCELLANEOUS	W/	WITH
ML	MATCH LINE	W/O	WITHOUT
MO	MASONRY OPENING / MOTOR OPERATED	WC	WATER CLOSET / WALL COVERING
MTD	MOUNTED	WD	WOOD
MTG	MOUNTING / MEETING	WH	WATER HEATER
MTL	METAL	WP	WATERPROOFING / WEATHERPROOF / WORKING POINT
MWP	MEMBRANE WATERPROOFING	WSCT	WAINSCOT
N	NORTH	WT	WEIGHT
NIC	NOT IN CONTRACT	WWF	WELDED WIRE FABRIC
NO	NUMBER	XRMR	TRANSFORMER
NOM	NOMINAL		

GENERAL SHEET NOTES

- 1
- ALL MATERIALS MUST BE NEW AND PROVIDED BY THE CONTRACTOR UNLESS SPECIFICALLY NOTED AS EXISTING OR AS PROVIDED BY THE OWNER.
- 2
- ALL WOOD BLOCKING AND MISCELLANEOUS STEEL SHOWN IN DETAILS AND SECTIONS MUST BE CONTINUOUS UNLESS SPECIFICALLY NOTED OTHERWISE.
- 3
- VERIFY ALL FIELD CONDITIONS AND DIMENSIONS PRIOR TO PROCEEDING WITH THE WORK. ALL DISCREPANCIES MUST BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT IN WRITING.
- 4
- DIMENSIONS INDICATED FOR NEW WORK ARE TO FACE OF STUD, FACE OF MASONRY OR FACE OF EXISTING SURFACES UNLESS OTHERWISE NOTED.
- 5
- STUDY AND COMPARE THE CONTRACT DOCUMENTS WITH EACH OTHER, AND AT ONCE, REPORT TO THE ARCHITECT ANY ERRORS AND INCONSISTENCIES OR OMISSIONS DISCOVERED. ANY CONSTRUCTION ACTIVITY PERFORMED KNOWING IT INVOLVES A RECOGNIZED ERROR, INCONSISTENCY OR OMISSION IN THE CONTRACT DOCUMENTS WITHOUT SUCH NOTICE TO THE ARCHITECT, THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR SUCH PERFORMANCE AND WILL BEAR THE AMOUNT OF THE COST OF THE CONSTRUCTION.

WALKER
the GROUP
ARCHITECTURE
i n c o r p o r a t e d
PO BOX 541, NEW BERN, NC 28563
252-636-8778



New NC Forest
Service County
Office for Jones
County

NC Highway 58 S
Jones County, NC 28585

ISSUED FOR
CONSTRUCTION
SCO# 23-26839-01B

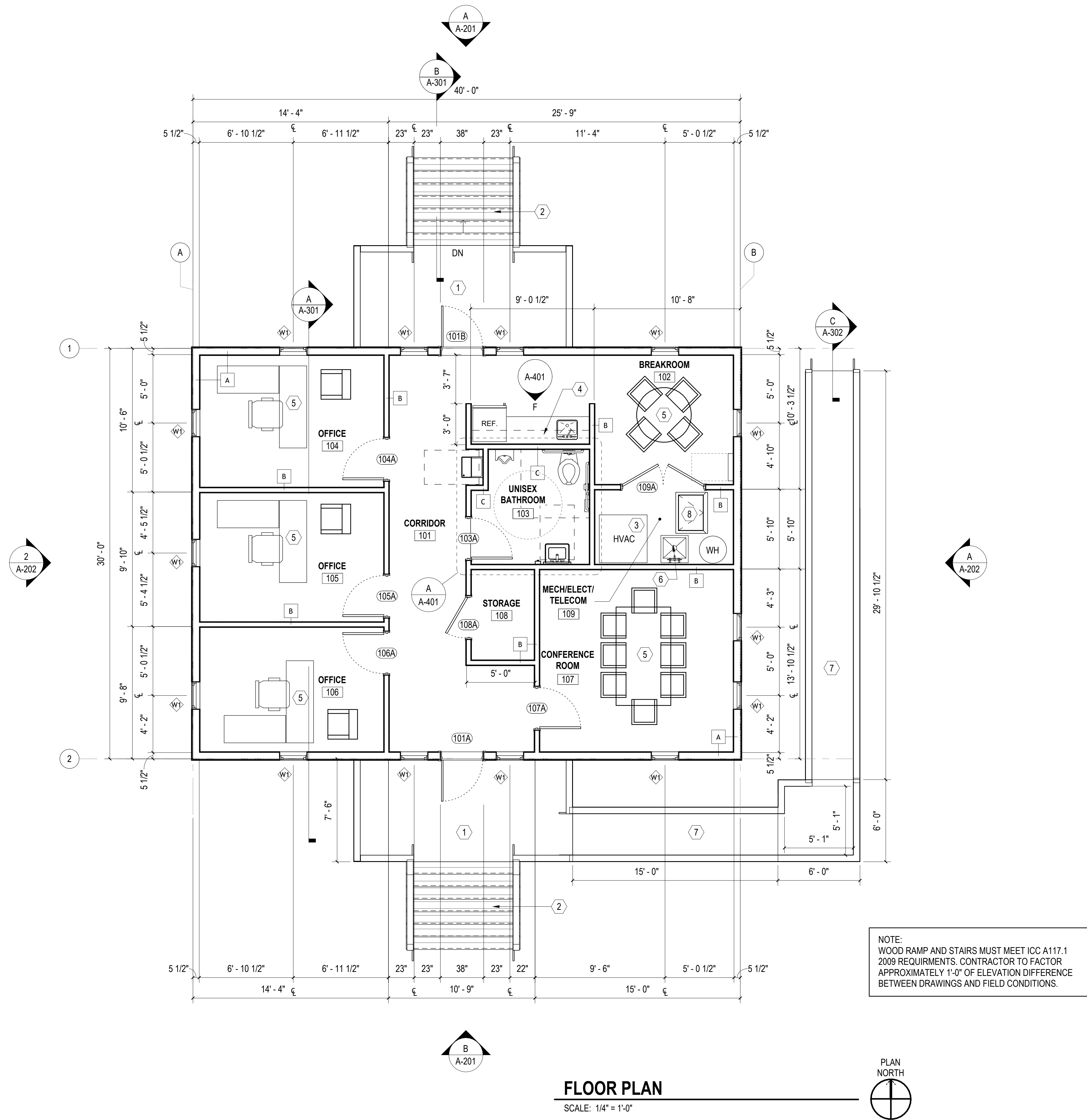
Revisions										
	No.	Date								

Project Number	Date
2318.NCFS	10/31/25
Drawn	Checked
Author	Checker
Scale	
AS NOTED	
Drawing Title	

ARCHITECTURAL
NOTES & SYMBOLS

Sheet Number	
14 Of 47	
Drawing Number	

A-001



GENERAL SHEET NOTES

- SEE CIVIL, STRUCTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL NOTES.
- SEE SCHEDULES FOR WALL TYPES, DOOR/FRAME/WINDOW TYPES AND SIZES, AND FLOOR/WALL/CEILING FINISHES.

NEW WORK KEYNOTES

MARK	DESCRIPTION
1	COMPOSITE DECKING OVER P.T. 2x10 WOOD JOISTS AT 16" O.C., SEE SHEET A-104 AND DETAIL B/A-301 FOR ADDITIONAL NOTES.
2	PRESSURE TREATED WOOD FRAMED STAIRS WITH COMPOSITE DECKING. DECK CONSTRUCTION BASED ON 100 PSF LIVE LOAD MINIMUM. SEE DETAIL B/A-301.
3	HVAC UNIT, SEE MECHANICAL.
4	WOOD CASEWORK WITH SOLID SURFACE COUNTERTOP AND BACKSPLASH. SEE DETAIL A/A-501.
5	CASEWORK / FURNITURE BY OWNER.
6	FLOOR MOUNTED MOP SINK, SEE PLUMBING.
7	PRESSURE TREATED WOOD FRAMED RAMP WITH COMPOSITE DECKING. DECK CONSTRUCTION BASED ON 100 PSF LIVE LOAD MINIMUM. SEE A-104 FOR MORE INFORMATION.
8	CRAWL SPACE ACCESS DOOR. 2'-6" x 2'-6". SEE STRUCTURAL, SEE DETAIL D/A-501.

FINISH SCHEDULE

NUMBER	NAME	FLOOR	BASE	WALLS	CEILING	COMMENTS
101	CORRIDOR	LVT	RUB	GYP.BD. PAINT	GYP.BD. PAINT	-
102	BREAKROOM	LVT	RUB	GYP.BD. PAINT	GYP.BD. PAINT	-
103	UNISEX BATHROOM	TILE	TILE	GYP.BD/ W.TILE	GYP.BD. PAINT	SEE WALL TYPE C
104	OFFICE	LVT	RUB	GYP.BD. PAINT	GYP.BD. PAINT	-
105	OFFICE	LVT	RUB	GYP.BD. PAINT	GYP.BD. PAINT	-
106	OFFICE	LVT	RUB	GYP.BD. PAINT	GYP.BD. PAINT	-
107	CONFERENC E ROOM	LVT	RUB	GYP.BD. PAINT	GYP.BD. PAINT	-
108	STORAGE	LVT	RUB	GYP.BD. PAINT	GYP.BD. PAINT	-
109	MECH/ELECT / TELECOM	LVT	RUB	GYP.BD. PAINT	GYP.BD. PAINT	-

Total area: 9

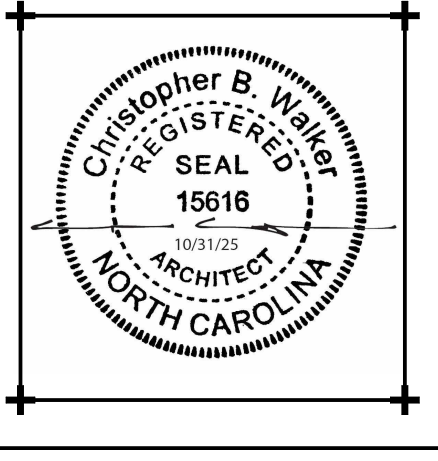
TILE - PORCELAIN TILE
W.TILE - PORCELAIN WALL TILE WITH METAL EDGE TRIM.
5' HEIGHT, PAINTED GYPSUM BOARD ABOVE.
LVT - LUXURY VINYL TILE FLOORING
GYP.BD - GYPSUM BOARD
RUB - RUBBER BASE

WALL TYPES LEGEND

MARK	NOTES
A	FIBER CEMENT LAP SIDING, VAPOR BARRIER, 1/2" CDX SHEATHING, 2x6 WOOD STUDS @ 16" O.C., R-20 FIBERGLASS BATT INSULATION, 1/2" GYPSUM BOARD. TAPE, TEXTURE, AND PAINT.
B	2x4 STUD AT 16" O.C. WITH 1/2" GYPSUM BOARD EACH SIDE. TYPICAL FOR INTERIOR WALLS. TAPE, TEXTURE AND PAINT.
C	2x4 STUD AT 16" O.C. WITH 1/2" GYPSUM BOARD ON ONE SIDE. 1/2" CEMENT BOARD AND PORCELAIN WALL TILE WITH METAL EDGE TRIM AT 5'-0" A.F.F., PAINTED GYPSUM BOARD ABOVE. TAPE, TEXTURE, AND PAINT.

GRAPHIC SCALE(S)

1/4" = 1'-0"
0' 2' 4' 8'



New NC Forest
Service County
Office for Jones
County

NC Highway 58 S
Jones County, NC 28585

ISSUED FOR
CONSTRUCTION
SCO# 23-26839-01B

Revisions
No. Date

Project Number
2318.NCFS
Drawn
Author

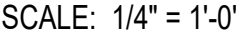
Date
10/31/25
Checked
Checker

Scale
AS NOTED
Drawing Title

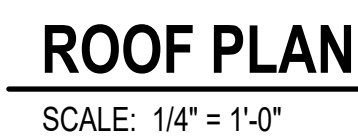
FLOOR PLAN

Sheet Number
15 Of 47
Drawing Number

A-101

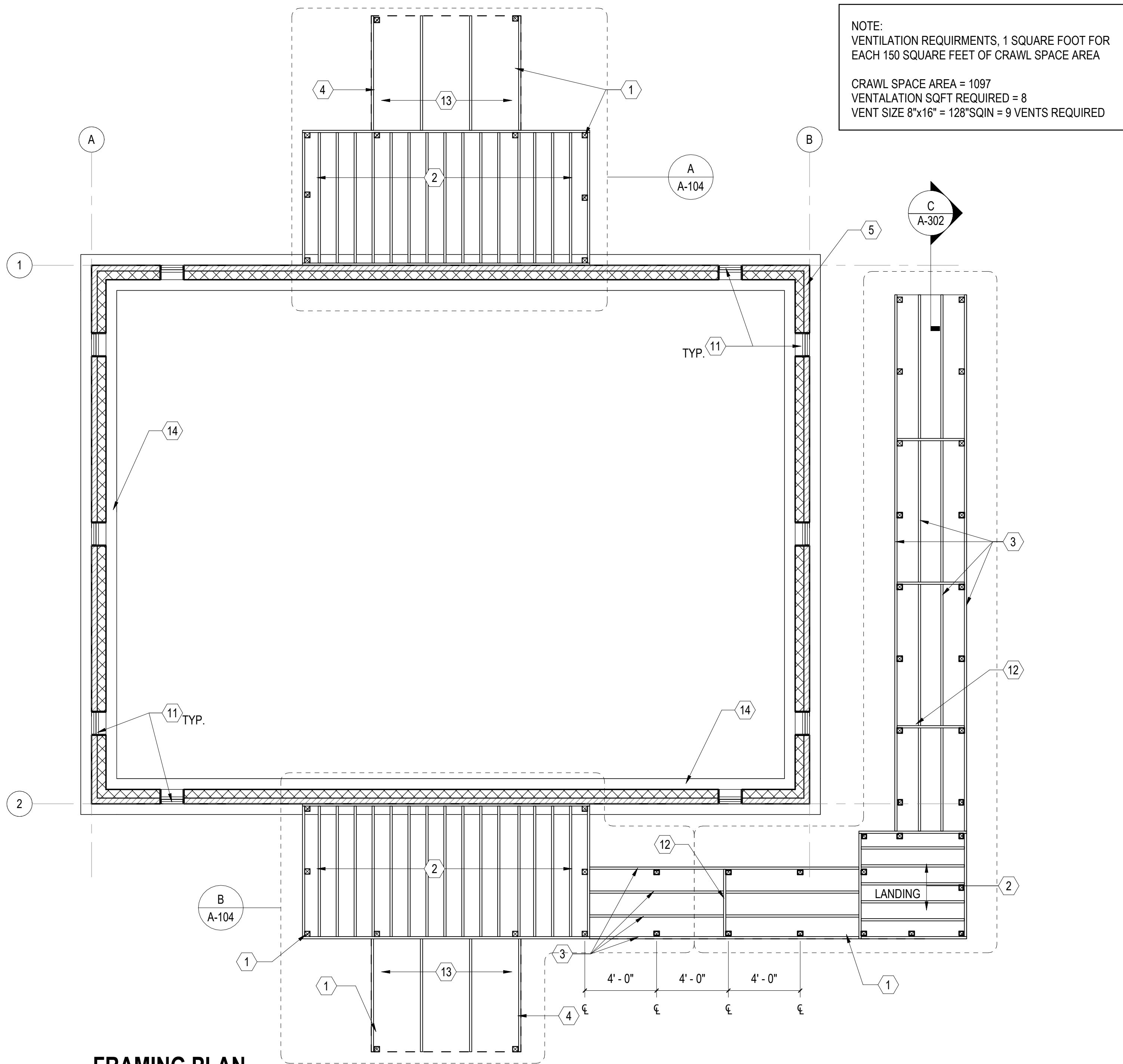


A-102



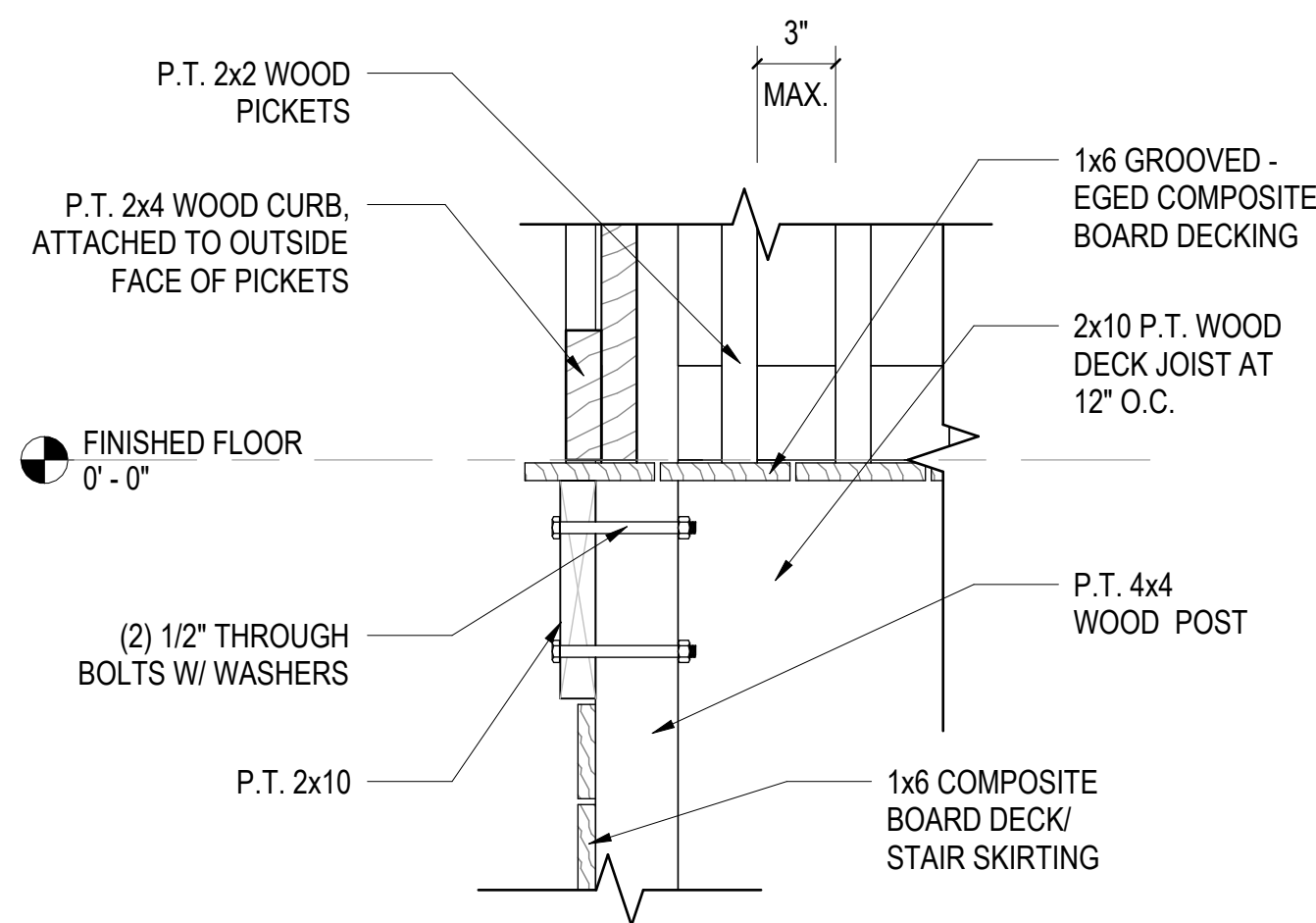
1/4" = 1'-0"

A horizontal graphic scale bar with tick marks at 0', 2', 4', and 8'. The bar is divided into four equal segments, each representing 2 feet.



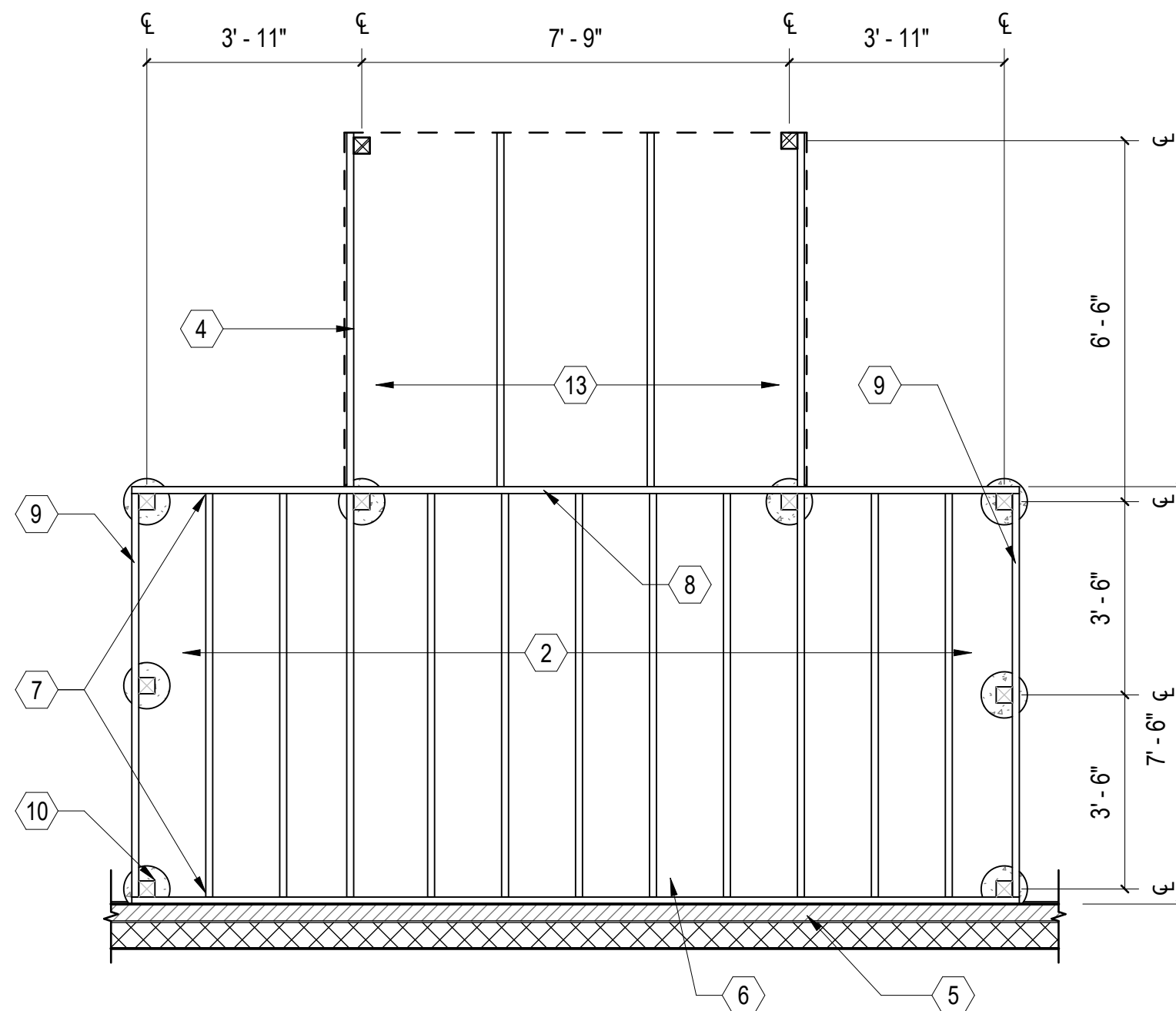
FRAMING PLAN

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



C EDGE BEAM TO COLUMN SECTION

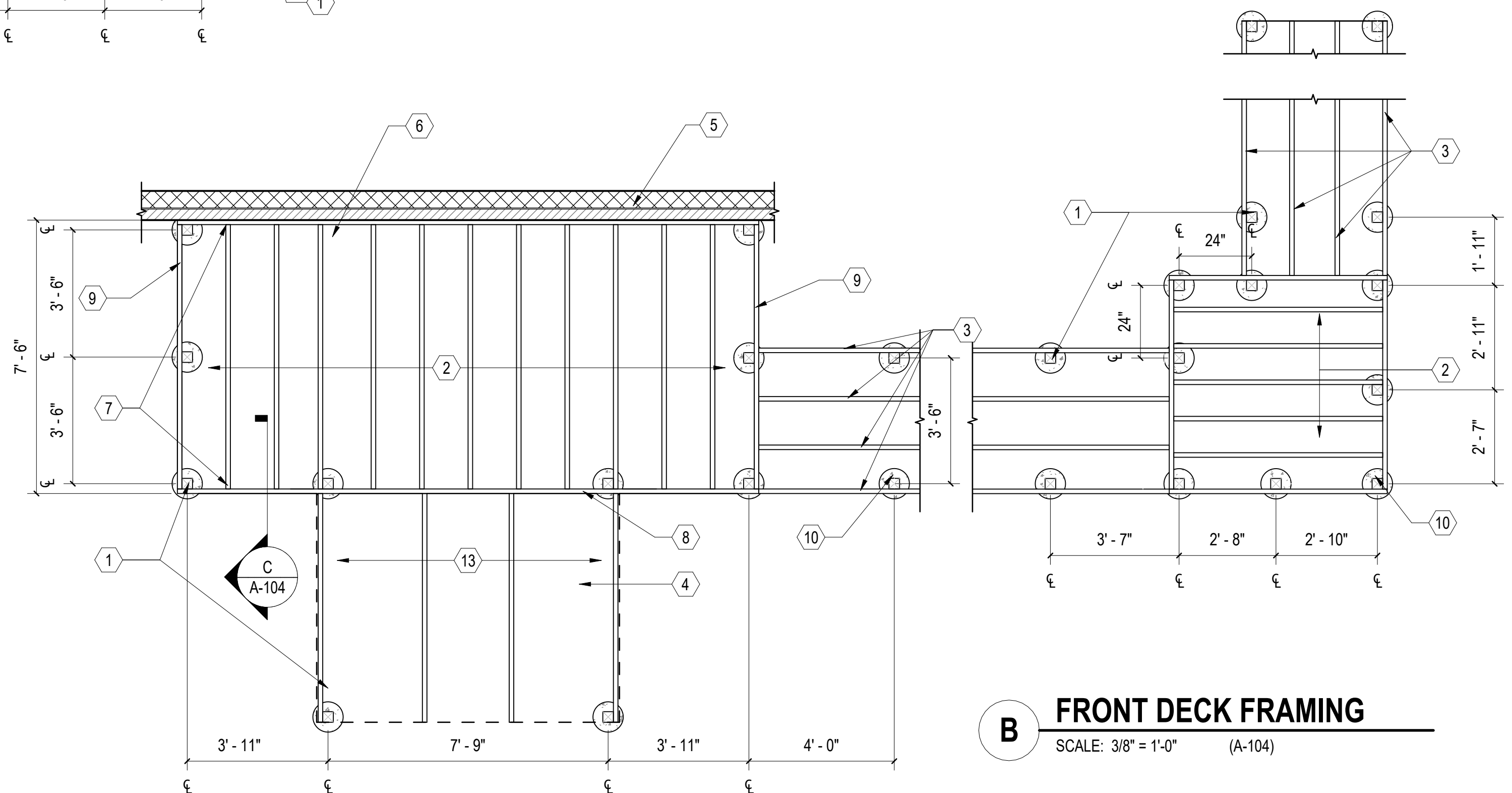
SCALE: 1 1/2" = 1'-0" (A-104)



A REAR DECK FRAMING

SCALE: 3/8" = 1'-0" (A-104)

NOTE:
WOOD RAMP AND STAIRS MUST MEET ICC A117.1 2009 REQUIRMENTS. CONTRACTOR TO FACTOR APPROXIMATELY 1'-0" OF ELEVATION DIFFERENCE BETWEEN DRAWINGS AND FIELD CONDITIONS.



B FRONT DECK FRAMING

SCALE: 3/8" = 1'-0" (A-104)

GENERAL SHEET NOTES

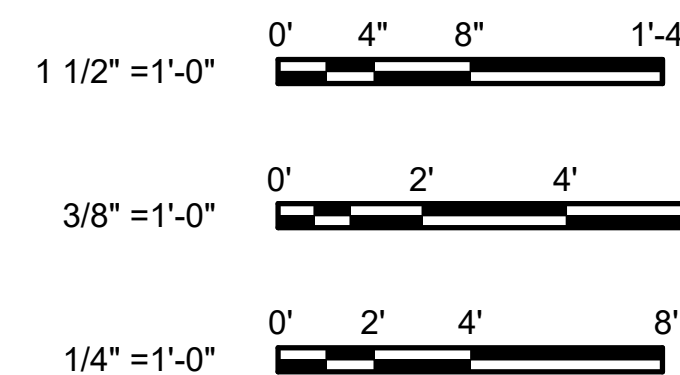
- SEE CIVIL, STRUCTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL NOTES.
- SEE SCHEDULES FOR WALL TYPES, DOOR/FRAME/WINDOW TYPES AND SIZES, AND FLOOR/WALL/CEILING FINISHES.

NEW WORK KEYNOTES

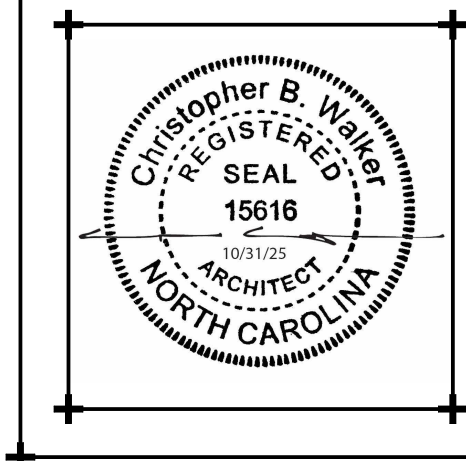
MARK	DESCRIPTION
1	P.T. 4x4 WOOD RAILING POST. TYPICAL AT ALL EXTERIOR RAILING LOCATIONS.
2	TYPICAL P.T. 2x10 WOOD JOIST @ 12" O.C.
3	P.T. 2x10 WOOD RAMP STRINGERS. RAMP CONSTRUCTION BASED ON 100 PSF LIVE LOAD MINIMUM.
4	PRESSURE TREATED WOOD FRAMED STAIRS WITH COMPOSITE DECKING. DECK CONSTRUCTION BASED ON 100 PSF LIVE LOAD MINIMUM. SEE DETAIL B/A-301.
5	BRICK AND CMU FOUNDATION. SEE STRUCTURAL.
6	P.T. 2x10 WOOD LEDGER. BOLTED TO RIM BAND AT FLOOR JOIST WITH 1/2" ANCHOR BOLTS AT 12" O.C..
7	FACE-MOUNTED JOIST HANGERS W/ SDS SCREWS. TYPICAL AT ALL JOIST.
8	P.T. 2x10 WOOD RIM JOIST/BEAM. SEE DETAIL C/A-104.
9	P.T. 2x10 WOOD OUTER JOIST. SEE DETAIL C/A-104.
10	3000 PSI CONCRETE COLUMN FOOTING. SEE DETAIL B/A-301 FOR MORE INFORMATION. TYPICAL.
11	CRAWL SPACE VENT, 8" x 16". SEE DETAIL B/A-501.
12	P.T. 2x10 RAMP LEDGER. STRINGERS TO BE ATTACHED WITH FACE-MOUNTED JOIST HANGERS W/ SDS SCREWS.
13	P.T. 2x12 STAIR STRINGERS.
14	CONTINUOUS CONCRETE FOOTING, SEE STRUCTURAL FOR ADDITIONAL NOTES.



GRAPHIC SCALE(S)



WALKER
the **GROUP**
ARCHITECTURE
incorporated
PO BOX 541, NEW BERN, NC 28563
252-636-8778



**New NC Forest
Service County
Office for Jones
County**

**NC Highway 58 S
Jones County, NC 28585**

**ISSUED FOR
CONSTRUCTION
SCO# 23-26839-01B**

Revisions
No. Date

Project Number
2318.NCFS

Date
10/31/25

Drawn
Author

Checked
Checker

Scale
AS NOTED

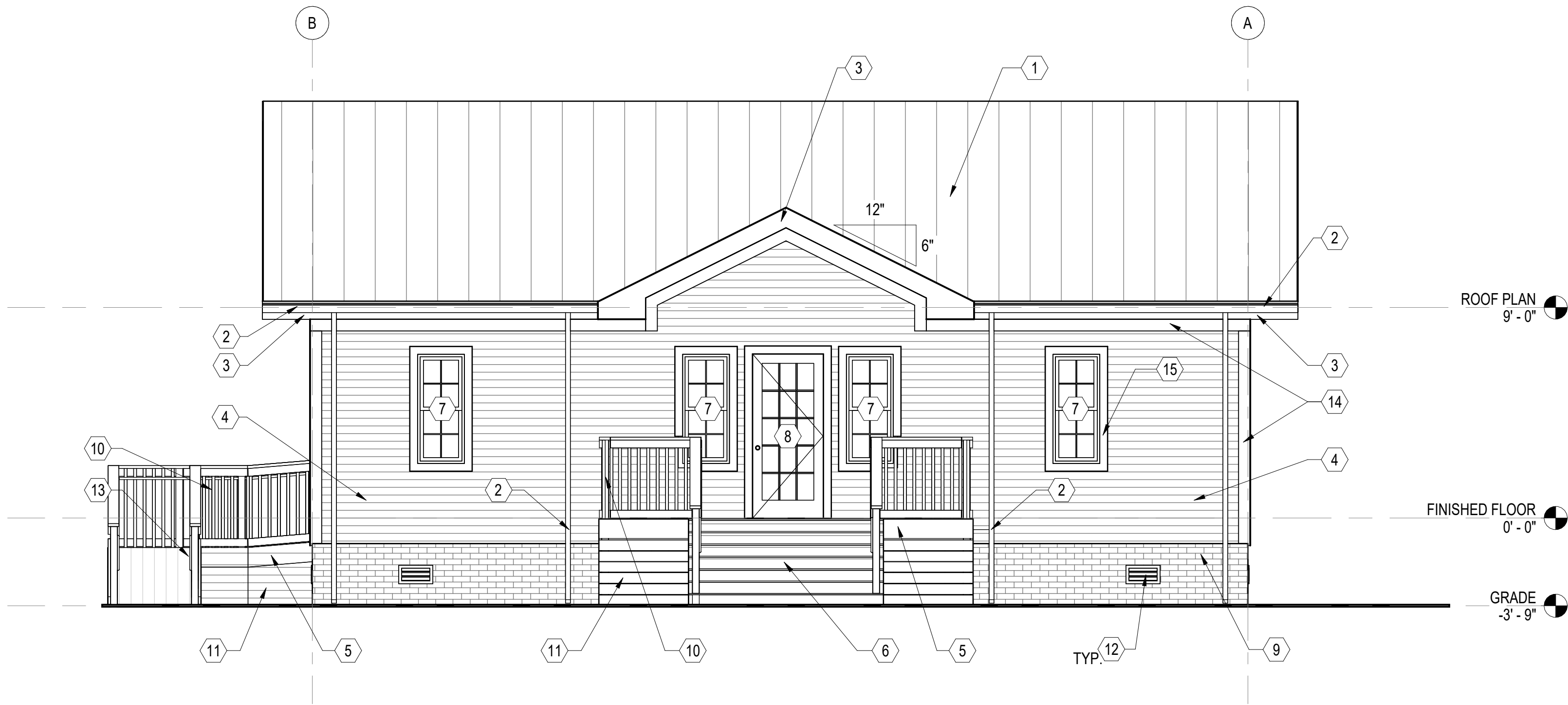
Drawing Title

DECK FRAMING PLAN

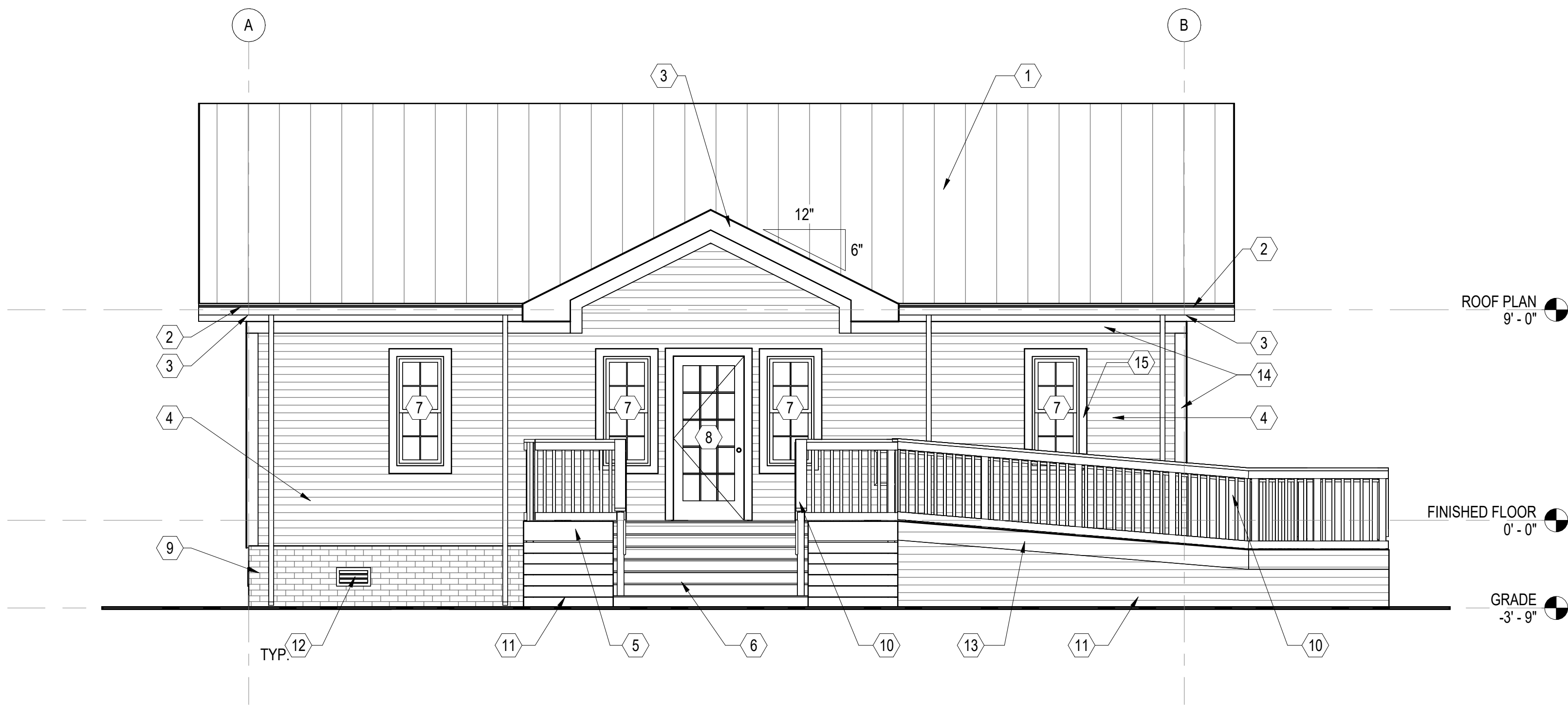
Sheet Number
18 Of 47

Drawing Number

A-104



A NORTH ELEVATION
SCALE: 1/4" = 1'-0" (A-101)



B SOUTH ELEVATION
SCALE: 1/4" = 1'-0" (A-101)

GENERAL SHEET NOTES

- SEE CIVIL, STRUCTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL NOTES.
- SEE SCHEDULES FOR WALL TYPES, DOOR/FRAME/WINDOW TYPES AND SIZES, AND FLOOR/WALL/CEILING FINISHES.

NEW WORK KEYNOTES

MARK	DESCRIPTION
1	STANDING SEAM METAL ROOF OVER VAPOR BARRIER, 1/2" PLYWOOD SHEATHING AND ROOF TRUSSES. SEE STRUCTURAL.
2	5" ALUMINUM GUTTER WITH 4"x4" DOWNSPOUTS. DOWNSPOUTS ARE INDICATED ON ROOF PLAN AS (D.S.). INSTALL PER MANUFACTURERS INSTRUCTIONS. PROVIDE CONCRETE SPLASH BLOCKS AT DOWNSPOUTS.
3	FIBER CEMENT FASCIA BOARD.
4	FIBER CEMENT LAP SIDING.
5	COMPOSITE DECKING OVER P.T. 2x10 WOOD JOISTS AT 12" O.C., SEE SHEET A-104 AND DETAIL B/A-301 FOR ADDITIONAL NOTES.
6	PRESSURE TREATED WOOD FRAMED STAIRS WITH COMPOSITE DECKING. DECK CONSTRUCTION BASED ON 100 PSF LIVE LOAD MINIMUM. SEE DETAIL B/A-301.
7	ALUMINUM WINDOW. SEE WINDOW SCHEDULE.
8	HOLLOW METAL DOOR, FRAME, AND HARDWARE. SEE DOOR SCHEDULE.
9	BRICK AND CMU FOUNDATION. SEE STRUCTURAL.
10	P.T. WOOD GAUDDRAIL AND 1 1/2" ALUMINUM HANDRAIL ATTACHED TO DECK, RAMP, AND STAIRS. SEE DEATAILS B/A-301 & C/A-302.
11	1x6 COMPOSITE BOARD DECK/RAMP SKIRTING.
12	ALUMINUM CRAWL SPACE VENT, 8" x 16". SEE DETAIL B/A-501.
13	PRESSURE TREARTED WOOD FRAMED RAMP WITH COMPOSITE DECKING. DECK CONSTRUCTION BASED ON 100 PSF LIVE LOAD MINIMUM. SEE A-104 FOR MORE INFORMATION.
14	3/4" x 6" FIBER CEMENT TRIM BOARD. TYPICAL AT ALL CORNERS EAVES AND RAKES.
15	3/4" x 4" FIBER CEMENT TRIM BOARD. TYPICAL AT ALL EXTERIOR WINDOWS AND DOORS.

GRAPHIC SCALE(S)

1/4" = 1'-0" 0' 2' 4' 8'

WALKER
the **GROUP**
ARCHITECTURE
incorporated
PO BOX 541, NEW BERN, NC 28563
252-636-8778



**New NC Forest
Service County
Office for Jones
County**

**NC Highway 58 S
Jones County, NC 28585**

**ISSUED FOR
CONSTRUCTION
SCO# 23-26839-01B**

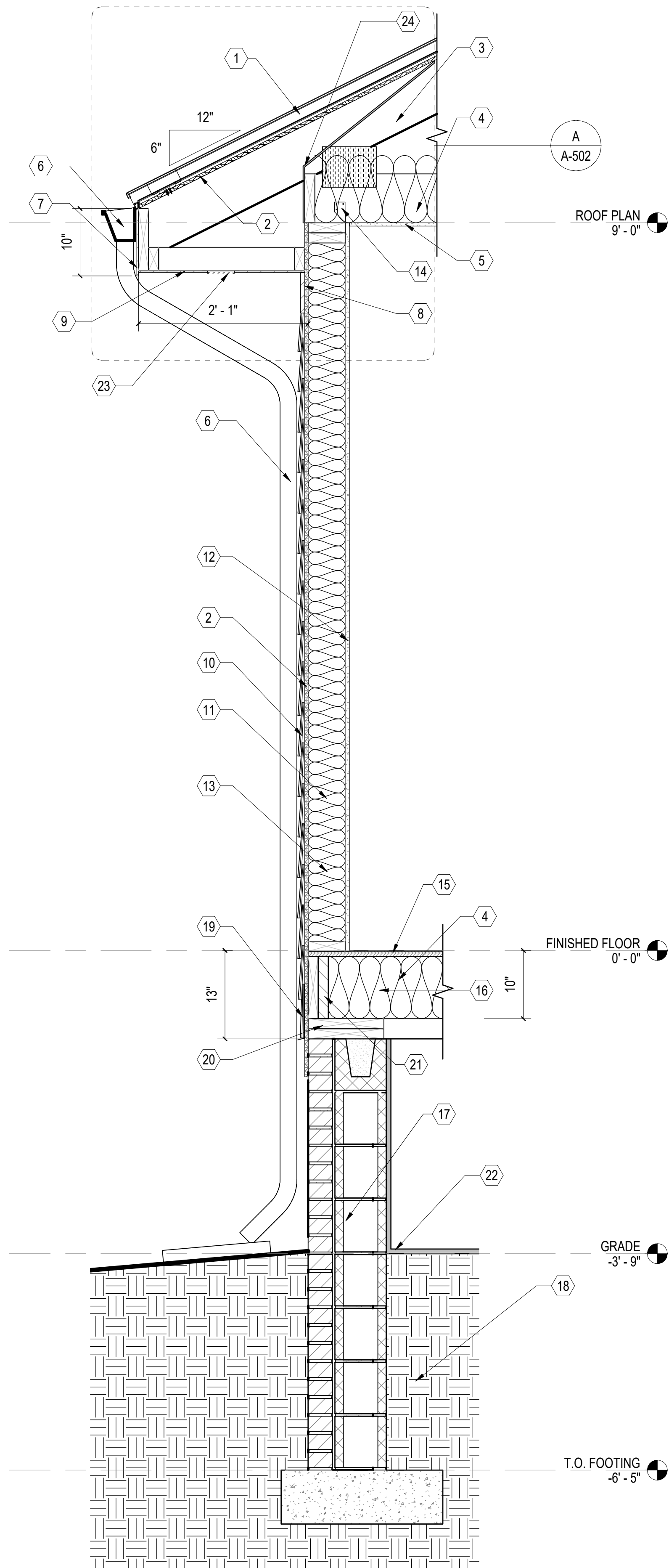
Revisions
No. Date

Project Number
2318.NCFS
Date
10/31/25
Drawn
Author
Checked
Checker
Scale
AS NOTED
Drawing Title

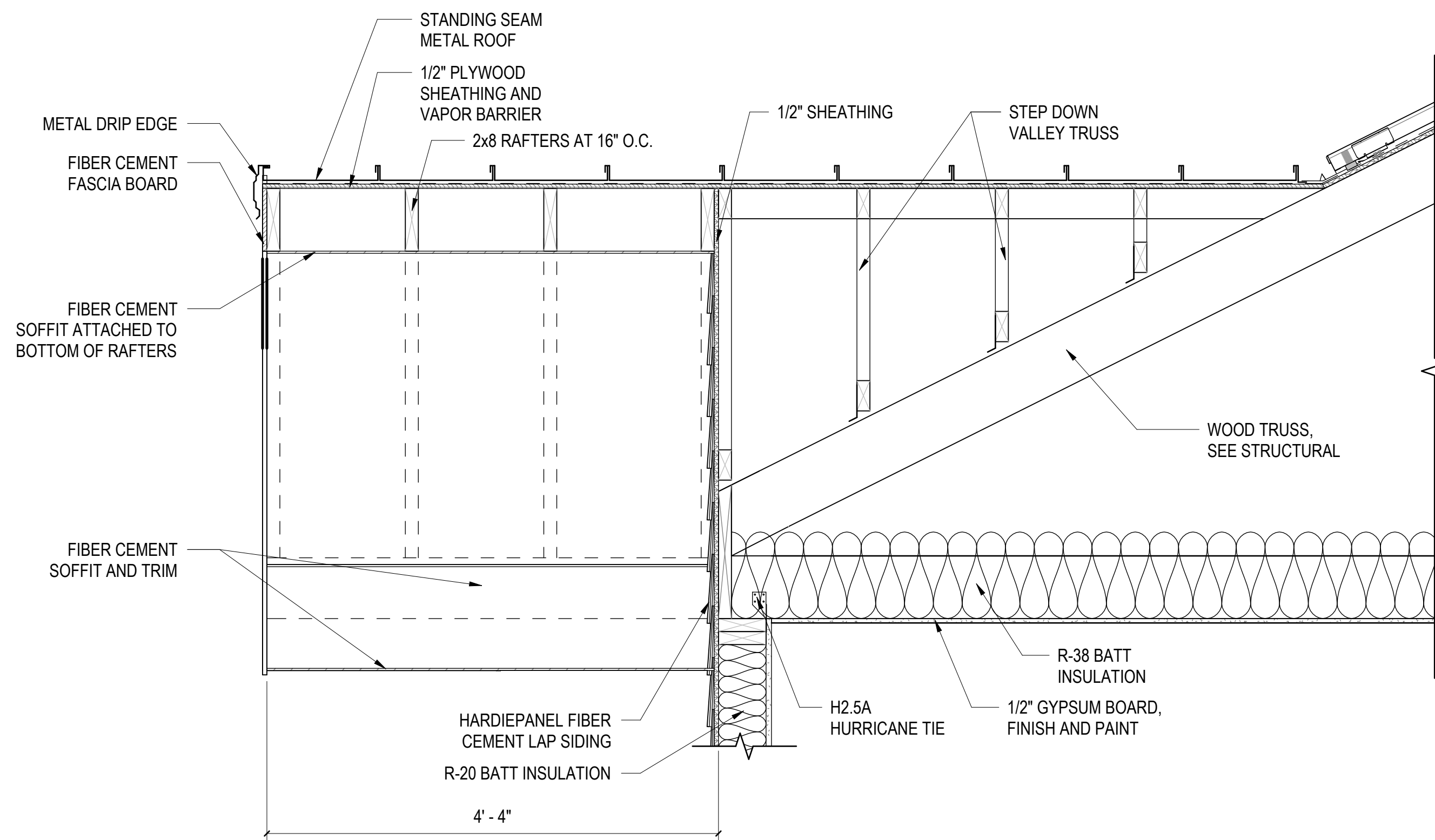
**EXTERIOR
ELEVATIONS**

Sheet Number
19 Of 47
Drawing Number

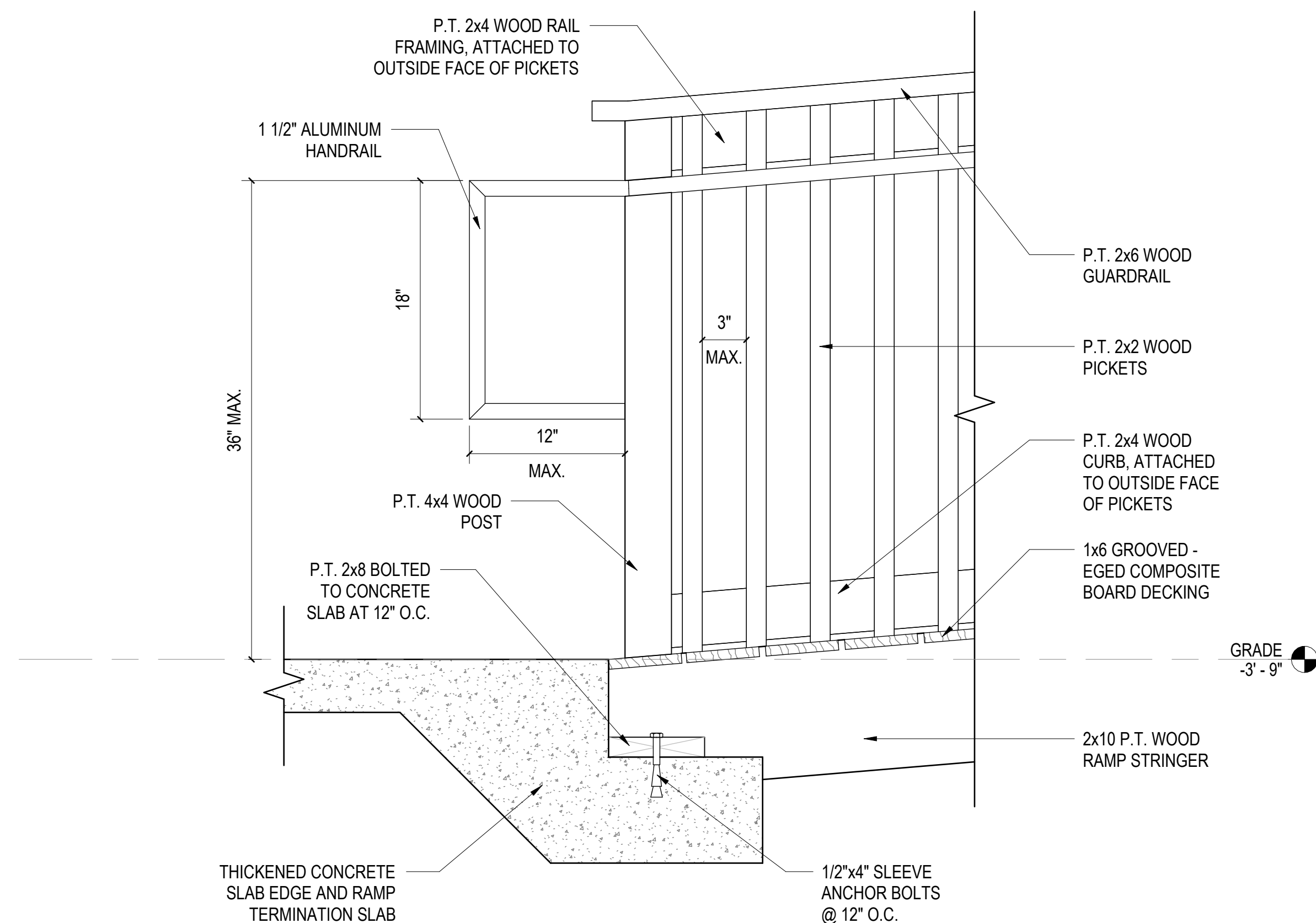
A-201



B WALL SECTION
SCALE: 1" = 1'-0" (A-301)



A SECTION AT ENTRY
SCALE: 1" = 1'-0" (A-102)



C RAMP TERMINATION SECTION
SCALE: 1 1/2" = 1'-0" (A-101)

GENERAL SHEET NOTES

- SEE CIVIL, STRUCTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL NOTES.
- SEE SCHEDULES FOR WALL TYPES, DOOR/FRAME/WINDOW TYPES AND SIZES, AND FLOOR/WALL/CEILING FINISHES.

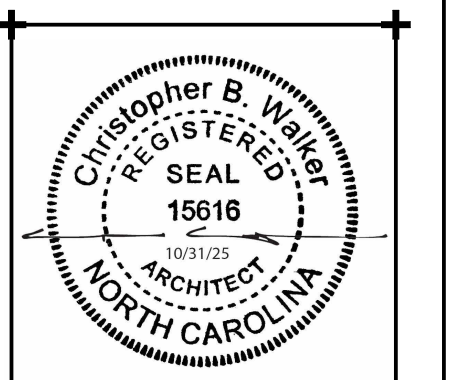
NEW WORK KEYNOTES

MARK	DESCRIPTION
1	STANDING SEAM METAL ROOF.
2	1/2" PLYWOOD SHEATHING AND VAPOR BARRIER.
3	WOOD TRUSSES, SEE STRUCTURAL FOR ADDITIONAL NOTES.
4	R-38 BATT INSULATION.
5	1/2" CEILING GYPSUM BOARD ATTACHED TO BOTTOM OF ROOF TRUSSES. TAPE, TEXTURE AND PAINT.
6	5" ALUMINUM GUTTER WITH 4"x4" DOWNSPOUTS. DOWNSPOUTS ARE INDICATED ON ROOF PLAN AS (D.S.). INSTALL PER MANUFACTURERS INSTRUCTIONS. PROVIDE CONCRETE SPLASH BLOCKS AT DOWNSPOUTS.
7	FIBER CEMENT FASCIA BOARD.
8	3/4" x 6" FIBER CEMENT TRIM BOARD. TYPICAL AT ALL CORNERS EAVES AND RAKES.
9	FIBER CEMENT SOFFIT.
10	FIBER CEMENT LAP SIDING.
11	2x6 WOOD STUDS AT 16" O.C.
12	1/2" GYPSUM BOARD, TAPE, TEXTURE, AND PAINT.
13	R-20 BATT INSULATION.
14	H2.5A HURRICANE TIE.
15	3/4" DRYGUARD OSB SUB-FLOOR.
16	2x10 WOOD FLOOR JOISTS AT 16" O.C., SEE STRUCTURAL FOR ADDITIONAL NOTES.
17	BRICK AND CMU FOUNDATION. SEE STRUCTURAL.
18	CONTINUOUS CONCRETE FOOTING, SEE STRUCTURAL FOR ADDITIONAL NOTES.
19	CONTINUOUS 24GA. METAL FLASHING WITH DRIP EDGE, 1/4" GAP DO NOT CAULK.
20	P.T. BOTTOM AND SILL PLATES, SEE SCTURCTURAL.
21	1-1/2" RIGID INSULATION AT RIM JOISTS. TYPICAL.
22	6 MIL VAPOR BARRIER.
23	CONTINUOUS 4" SOFFIT VENT.
24	PVC SOFFIT BAFFLE.

GRAPHIC SCALE(S)



WALKER
the **GROUP**
ARCHITECTURE
incorporated
PO BOX 541, NEW BERN, NC 28563
252-636-8778



**New NC Forest
Service County
Office for Jones
County**

**NC Highway 58 S
Jones County, NC 28585**

**ISSUED FOR
CONSTRUCTION
SCO# 23-26839-01B**

Revisions
No. Date

Project Number
2318.NCFS

Date
10/31/25

Drawn
Author

Checked
Checker

Scale
AS NOTED

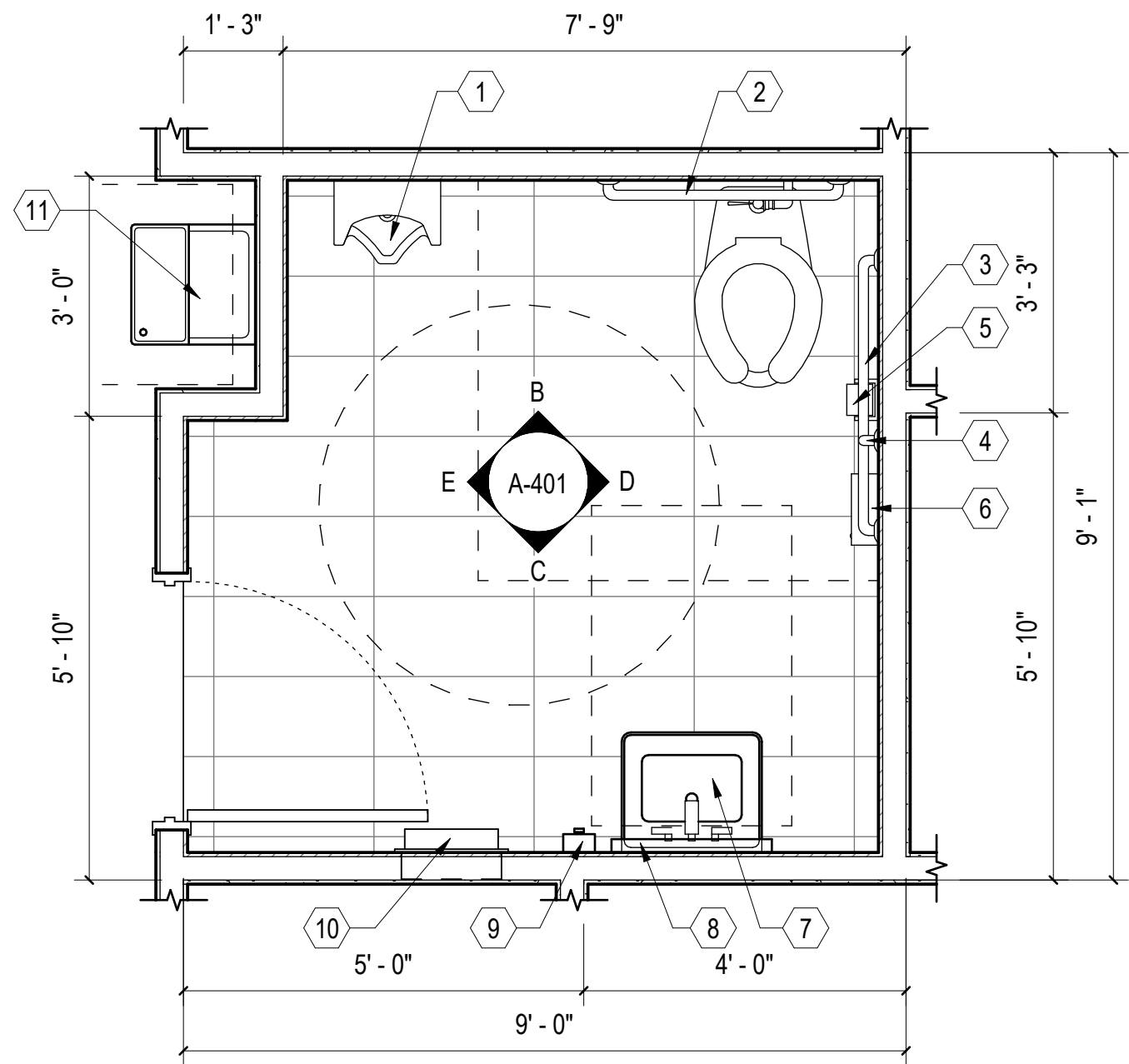
Drawing Title

WALL SECTIONS

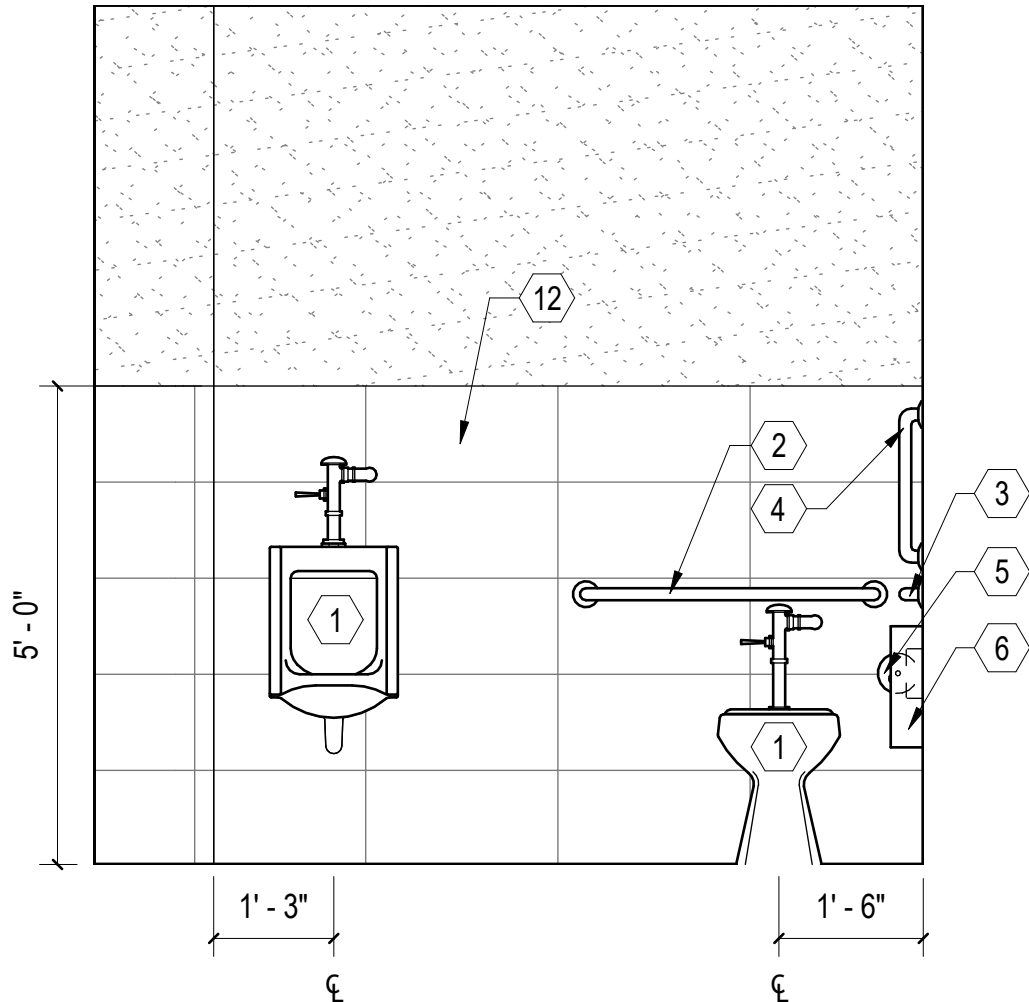
Sheet Number
22 Of 47

Drawing Number

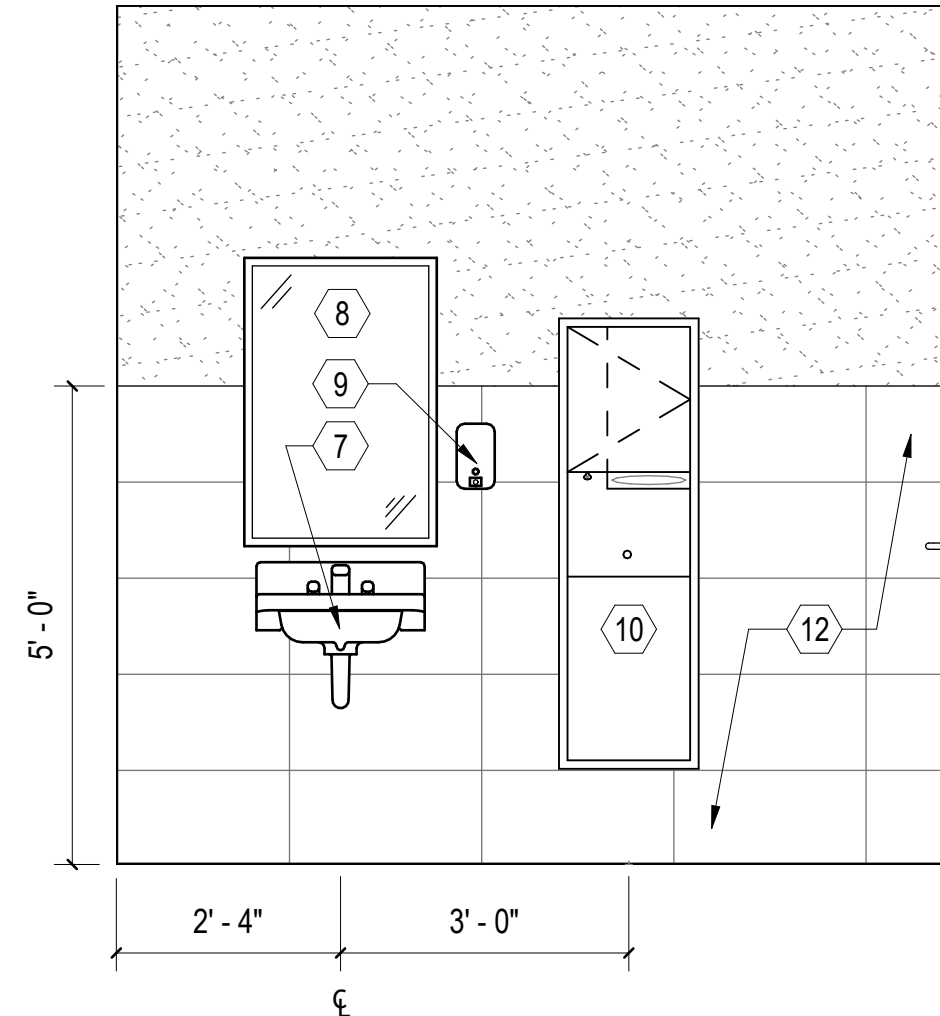
A-302



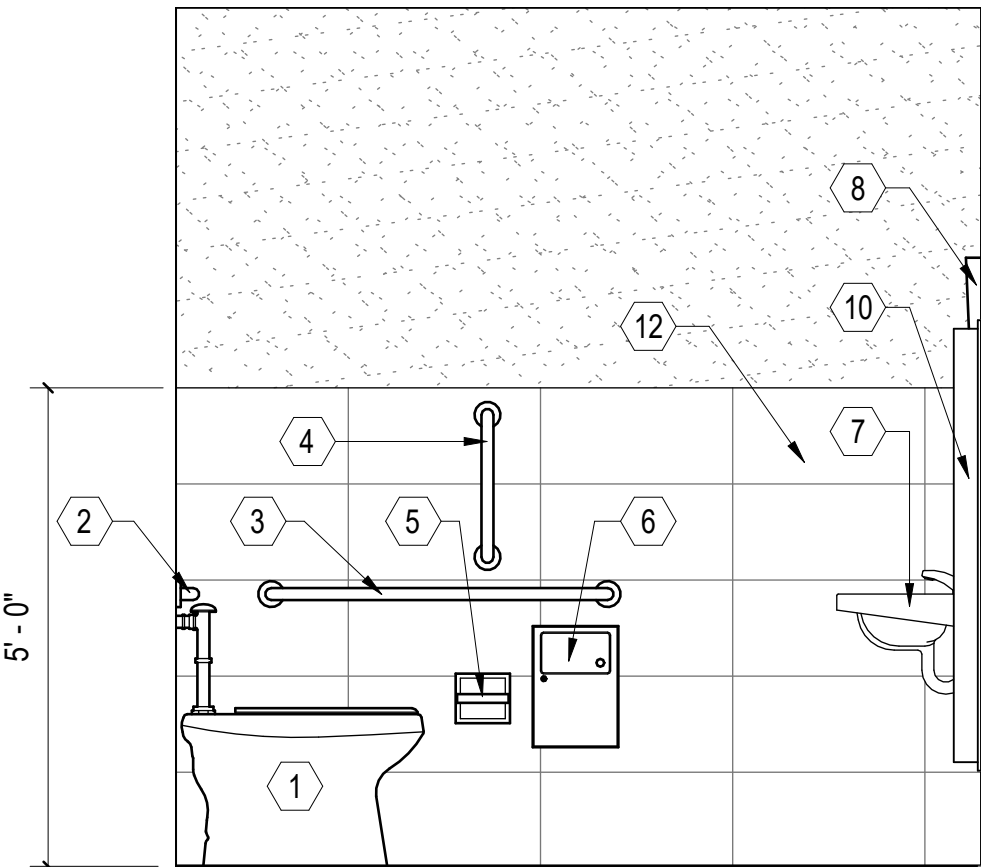
A ENLARGED BATHROOM PLAN
SCALE: 1/2" = 1'-0" (A-101)



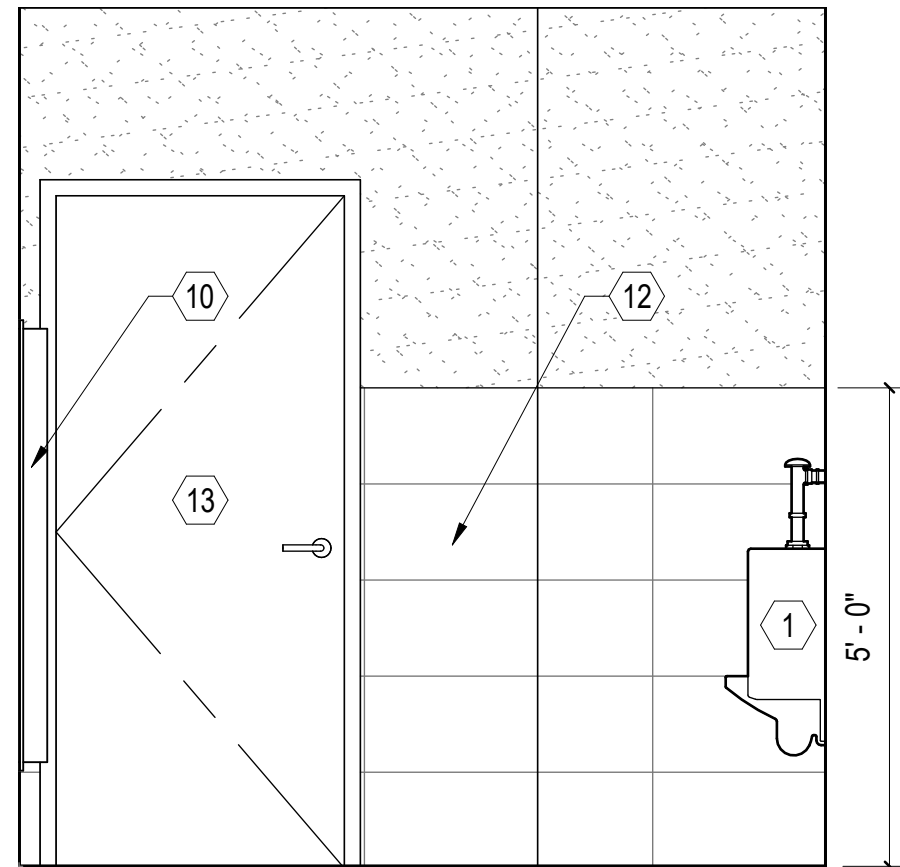
B INTERIOR NORTH ELEVATION
SCALE: 1/2" = 1'-0" (A-401)



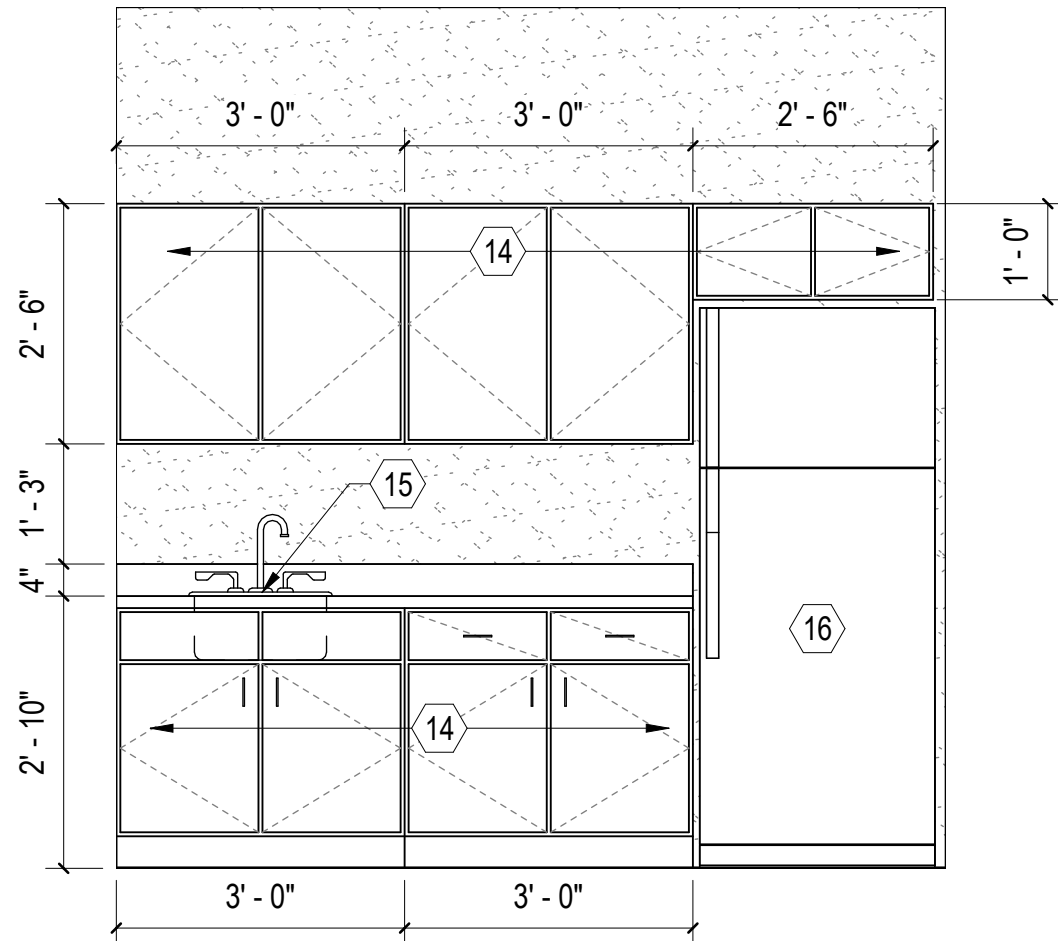
C INTERIOR SOUTH ELEVATION
SCALE: 1/2" = 1'-0" (A-401)



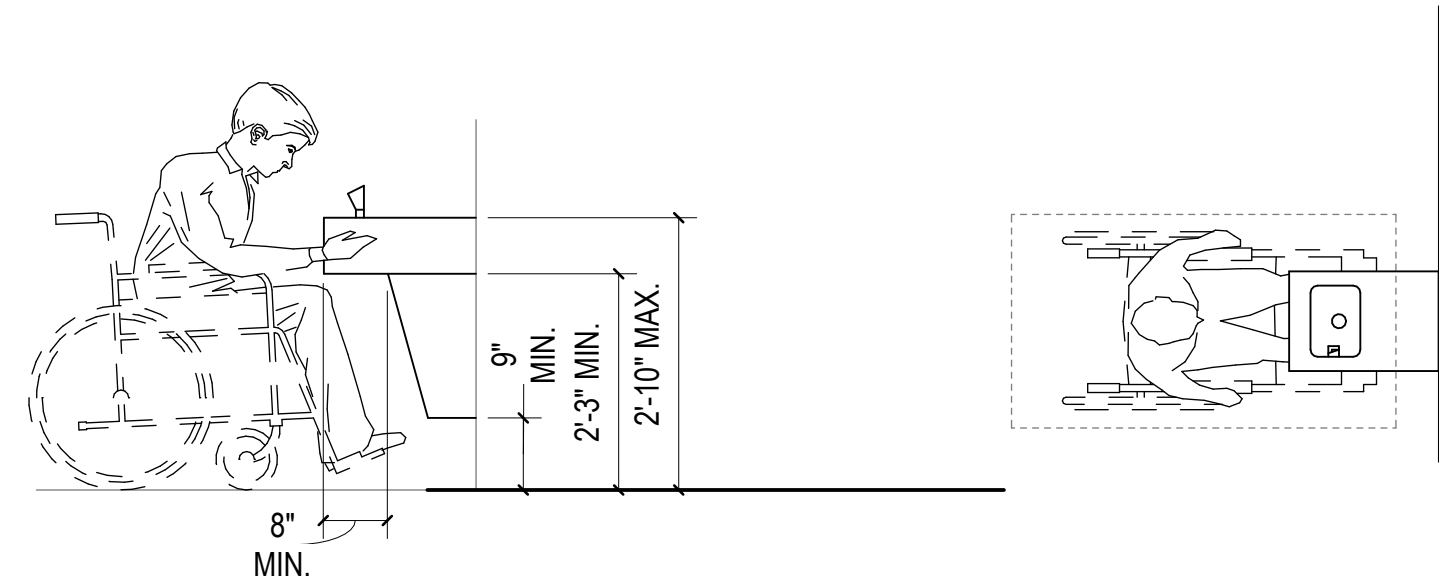
D INTERIOR EAST ELEVATION
SCALE: 1/2" = 1'-0" (A-401)



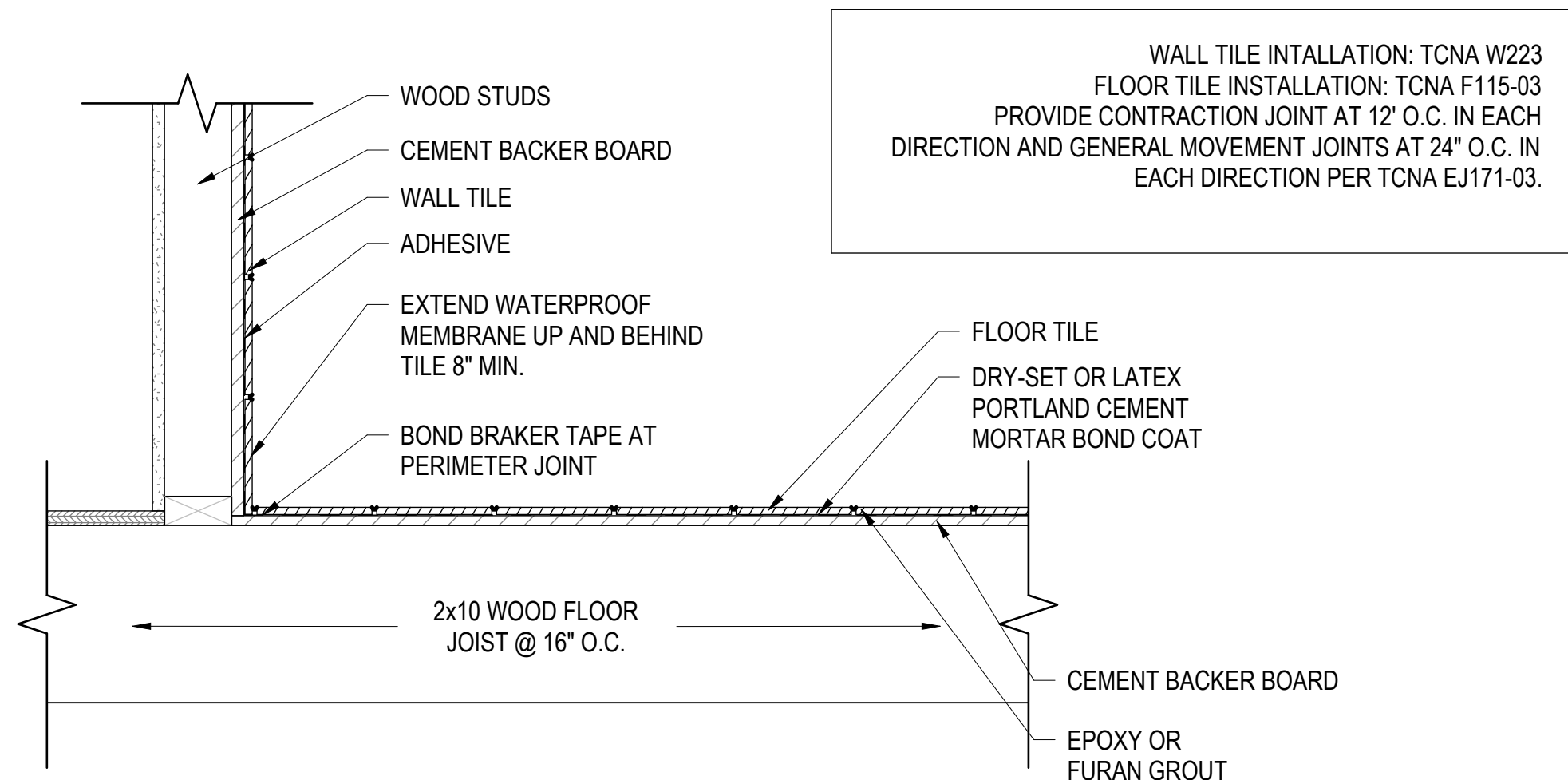
E INTERIOR WEST ELEVATION
SCALE: 1/2" = 1'-0" (A-401)



F CASEWORK ELEVATION
SCALE: 1/2" = 1'-0" (A-101)



G WATER COOLER DETAIL
SCALE: 1/2" = 1'-0"



H PORCELAIN TILE INSTALLATION
SCALE: 1 1/2" = 1'-0"

GENERAL SHEET NOTES

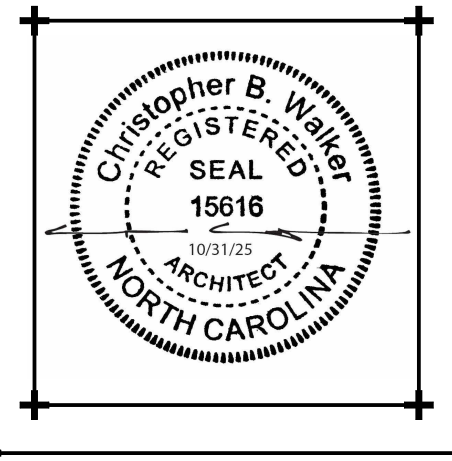
- SEE CIVIL, STRUCTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL NOTES.
- SEE SCHEDULES FOR WALL TYPES, DOOR/FRAME/WINDOW TYPES AND SIZES, AND FLOOR/WALL/CEILING FINISHES.

#

NEW WORK KEYNOTES

MARK	DESCRIPTION
1	FLOOR MOUNTED ADA TOILET/URINAL. CENTERLINE OF TOILET SHALL BE 18" FROM ADJACENT SIDEWALL. SEE PLUMBING.
2	36" GRAB BAR, 33" - 36" ABOVE FINISHED FLOOR TO CENTER, 6" MAXIMUM FROM CONER.
3	42" GRAB BAR, 33" - 36" ABOVE FINISHED FLOOR TO CENTER, 12" MAXIMUM FROM CONER.
4	18" GRAB BAR, BOTTOM OF BAR AT 39" * 41" ABOVE FINISHED FLOOR WITH CENTER 39" - 41" FROM REAR WALL.
5	TOILET TISSUE DISPENSER, MINIMUM 19" ABOVE FINISHED FLOOR, MAXIMUM 36" FROM REAR WALL.
6	SANITARY NAPKIN DISPOSAL, MINIMUM 15" ABOVE FINISHED FLOOR, MAXIMUM 50" FROM REAR WALL.
7	WALL MOUNTED SINK WITH LEVER ACTION FAUCET. MOUNT RIM AT 34" ABOVE FINISHED FLOOR, MAXIMUM. SEE PLUMBING.
8	24"x36" ADA TILT MIRROR WITH STAINLESS STEEL FRAME. MOUNT WITH BOTTOM OF MIRROR AT 40" ABOVE FINISHED FLOOR.
9	WALL MOUNTED SOAP DISPENSER. MOUNT DISPENSER SPOUT AT 48" ABOVE FINISHED FLOOR MAXIMUM.
10	RECESSED PAPER TOWEL/WASTE COMBO. WALL MOUNT TOWEL DISPENSER AT MAXIMUM 48" ABOVE FINISHED FLOOR.
11	ACCESSIBLE WATER FOUNTAIN, SEE DETAIL G/A-401.
12	5'-0" WALL TILE WAINSCOT WITH METAL EDGE TRIM, SEE FINISH SCHEDULE.
13	HOLLOW METAL FRAME, WOOD DOOR, AND HARDWARE. SEE DOOR SCHEDULE.
14	WOOD FINISH BASE AND UPPER CABINETS WITH SOLID SURFACE COUNTERTOPS AND 4" BACKSPLASH. SEE DETAIL A/A-501 FOR ADDITIONAL INFORMATION.
15	PLUMBING FIXTURE, SEE PLUMBING.
16	APPLIANCES BY OWNER.

WALKER
the **GROUP**
ARCHITECTURE
incorporated
PO BOX 541, NEW BERN, NC 28563
252-636-8778



**New NC Forest
Service County
Office for Jones
County**

**NC Highway 58 S
Jones County, NC 28585**

**ISSUED FOR
CONSTRUCTION
SCO# 23-26839-01B**

Revisions
No. Date

Project Number
2318.NCFS
Drawn
Author
Scale
AS NOTED
Drawing Title

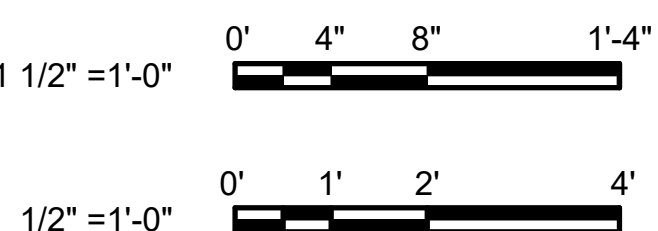
Date
10/31/25
Checked
Checker

**ENLARGED PLAN &
DETAILS**

Sheet Number
23 Of 47
Drawing Number

A-401

GRAPHIC SCALE(S)

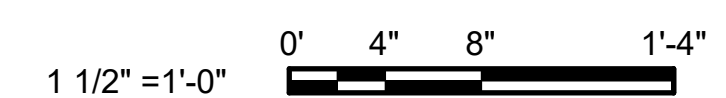


SCALE: 1 1/2" = 1'-0"

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

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

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



HEAD

JAMB

THRESHHOLD

DOOR DETAIL @ EXTERIOR WOOD STUD WALL W/ LAP SIDING

SCALE: 3" = 1'-0"

HEAD

JAMB

SILL

WINDOW DETAIL @ EXTERIOR WOOD STUD WALL W/ LAP SIDING

SCALE: 3" = 1'-0"

DOOR NO.	TYPE	DOOR			FRAME				HARDWARE SET NO.	REMARKS
		SIZE		MATERIAL	TYPE	MATERIAL	DETAILS			
		WIDTH	HEIGHT				HEAD	JAMB		
101A	A	3' - 0"	7' - 0"	S.GLASS	F1	HM	A/A-601	A/A-601		
101B	A	3' - 0"	7' - 0"	S.GLASS	F1	HM	A/A-601	A/A-601		
103A	B	3' - 0"	7' - 0"	WD	F1	HM	C/A-601	C/A-601		
104A	B	3' - 0"	7' - 0"	WD	F1	HM	C/A-601	C/A-601		PROVIDE 4"x30" SAFETY GLASS VISION PANEL
105A	B	3' - 0"	7' - 0"	WD	F1	HM	C/A-601	C/A-601		PROVIDE 4"x30" SAFETY GLASS VISION PANEL
106A	B	3' - 0"	7' - 0"	WD	F1	HM	C/A-601	C/A-601		PROVIDE 4"x30" SAFETY GLASS VISION PANEL
107A	B	3' - 0"	7' - 0"	WD	F1	HM	C/A-601	C/A-601		
108A	B	3' - 0"	7' - 0"	WD	F1	HM	C/A-601	C/A-601		
109A	B	6' - 0"	7' - 0"	WD	F2	HM	C/A-601	C/A-601		

NOTES:
S.GLASS - SAFETY GLASS, WD - WOOD, HM - HOLLOW METAL

DOOR TYPES

NOTE: SEE FLOOR PLAN FOR SWING DIRECTION.

Diagram A shows a top view of a door with a grid pattern. The overall width is 3'-0" and the overall height is 7'-0". The top edge has 5" overhangs on both sides. The right edge has a 5" overhang. The bottom edge has a 10" overhang. The grid itself is 27" wide and 5'-9" high.

A

Diagram B shows a top view of a door with a diagonal pattern. The overall width is 3'-0" and the overall height is 7'-0". The top edge has 4" overhangs on both sides. The right edge has a 4" overhang. The bottom edge has a 3'-6" overhang. The grid itself is 30" wide and 3'-6" high.

B

FRAME TYPES

Diagram F1 shows a side view of a door frame. The overall width is 3'-4" and the overall height is 7'-0". The top edge has 2" overhangs on both sides. The right edge has a 2" overhang. The bottom edge has a 2" overhang. The grid itself is 36" wide and 7'-2" high.

F1

Diagram F2 shows a side view of a door frame. The overall width is 6'-4" and the overall height is 7'-0". The top edge has 2" overhangs on both sides. The right edge has a 2" overhang. The bottom edge has a 2" overhang. The grid itself is 6'-0" wide and 7'-2" high.

F2

WINDOW SCHEDULE

MARK	WIDTH	HEIGHT	MATERIAL	FINISH	GLAZING	HEAD DETAIL	JAMB DETAIL	SILL DETAIL	COMMENTS
------	-------	--------	----------	--------	---------	-------------	-------------	-------------	----------

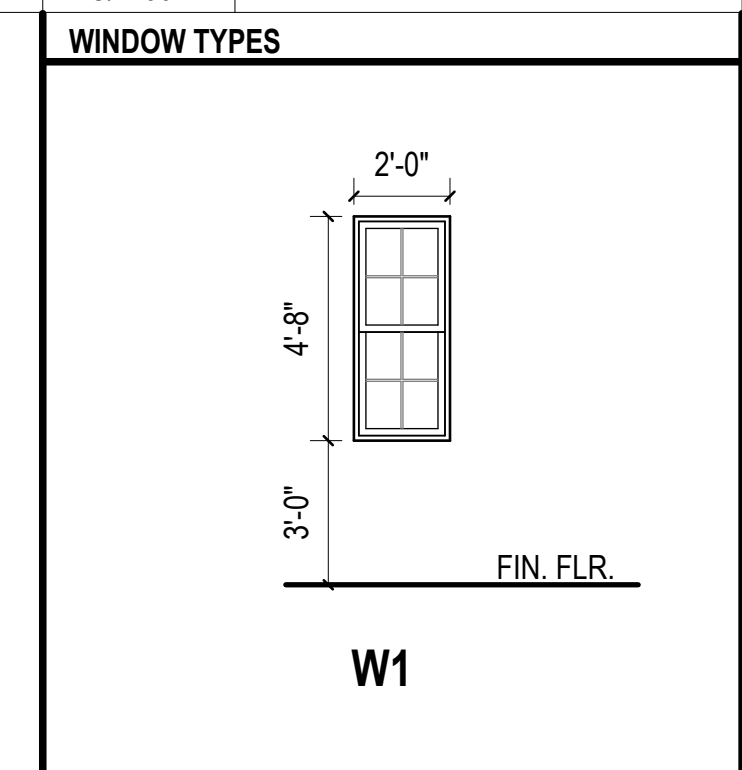
W1	2' - 0"	4' - 8"	ALUM	ANODIZED	1" INSUL.	B/A-601	B/A-601	C/A-601
----	---------	---------	------	----------	-----------	---------	---------	---------

HEAD

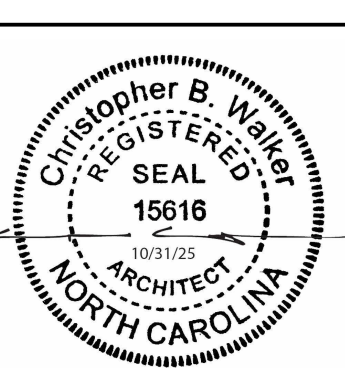
JAMB

DOOR DETAIL @ INTERIOR WOOD STUD WALL

SCALE: 3" = 1'-0"



NOTE:
HEADERS SHOWN IN DETAILS ARE FOR
REPRESENTATION ONLY. SEE STRUCTURAL
FOR HEADER LOCATION AND HEADER SIZE.



New NC Forest Service County Office for Jones County

NC Highway 58 S
Jones County, NC 28585

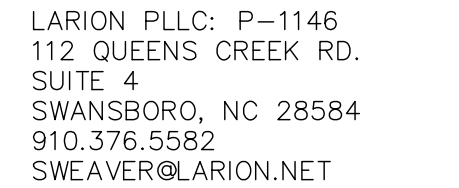
**ISSUED FOR
CONSTRUCTION
SCO# 23-26839-01B**

Project Number	Date
2318.NCFS	10/31/25
Drawn	Checked
Author	Checker
Scale	
AS NOTED	
Drawing Title	

SCHEDULES & DETAILS

Sheet Number
27 Of 47

A-601



DELEGATED DESIGN BY OTHERS

- ## FOUNDATIONS

- ## CONCRETE AND MASONRY

- ## FRAMING

- ## COMPONENT & CLADDING LOAD CRITERIA

5	ZONE 4	5
---	--------	---

WALLS

3	2	3
2	1	2
3	2	3

ROOF

GENERAL NOTES

- 1) ALL WORK SHALL BE PERFORMED PER THE REQUIREMENTS OF THE NORTH CAROLINA BUILDING CODES.
- 2) ALL DETAILS AND SECTIONS ARE TYPICAL AND APPLY WHEREVER SIMILAR CONDITIONS EXIST UNLESS NOTED OTHERWISE.
- 3) FIELD VERIFY ALL DIMENSIONS AND FIELD CONDITIONS PRIOR TO MOBILIZATION AND/OR FABRICATION.
- 4) SEE ARCHITECTURAL DRAWINGS FOR CEILING ELEVATIONS.
- 5) FIELD VERIFY REQUIREMENTS OF ALL TRADES FOR PENETRATIONS, SLEEVES, INSERTS, HANGERS, CHASES, ANCHORS, ETC.
- 6) NO PIPES, CONDUITS, ETC. WILL BE PLACED IN A STRUCTURAL COMPONENT UNLESS SPECIFICALLY DETAILED OR APPROVED BY THE ENGINEER OF RECORD.
- 7) ALL WOOD CONNECTIONS SHALL COMPLY WITH TABLE 2304.10.1 OF THE NORTH CAROLINA BUILDING CODE UNLESS NOTED OTHERWISE.
- 8) ALL METAL CONNECTORS USED WITH PRESSURE TREATED WOOD SHALL BE STAINLESS STEEL, HOT-DIP GALVANIZED OR ZMAX GALVANIZED.
- 9) ALL FASTENERS, TIE DOWNS, ETC. ARE TO BE INSTALLED AS PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- 10) UNDERGROUND UTILITIES ARE TO BE LOCATED PRIOR TO ANY EXCAVATION ACTIVITIES.

DESIGN CRITERIA

ALLOWABLE SOIL BEARING1500 PSF
SEE GEOTECH REPORT PROVIDED BY HIGHLANDS ENVIRONMENTAL
SOLUTIONS, INC. DATED JUNE 23, 2024

DEAD LOADS

FIRST FLOOR.....10 PSF
ROOF.....10 PSF

LIVE LOADS

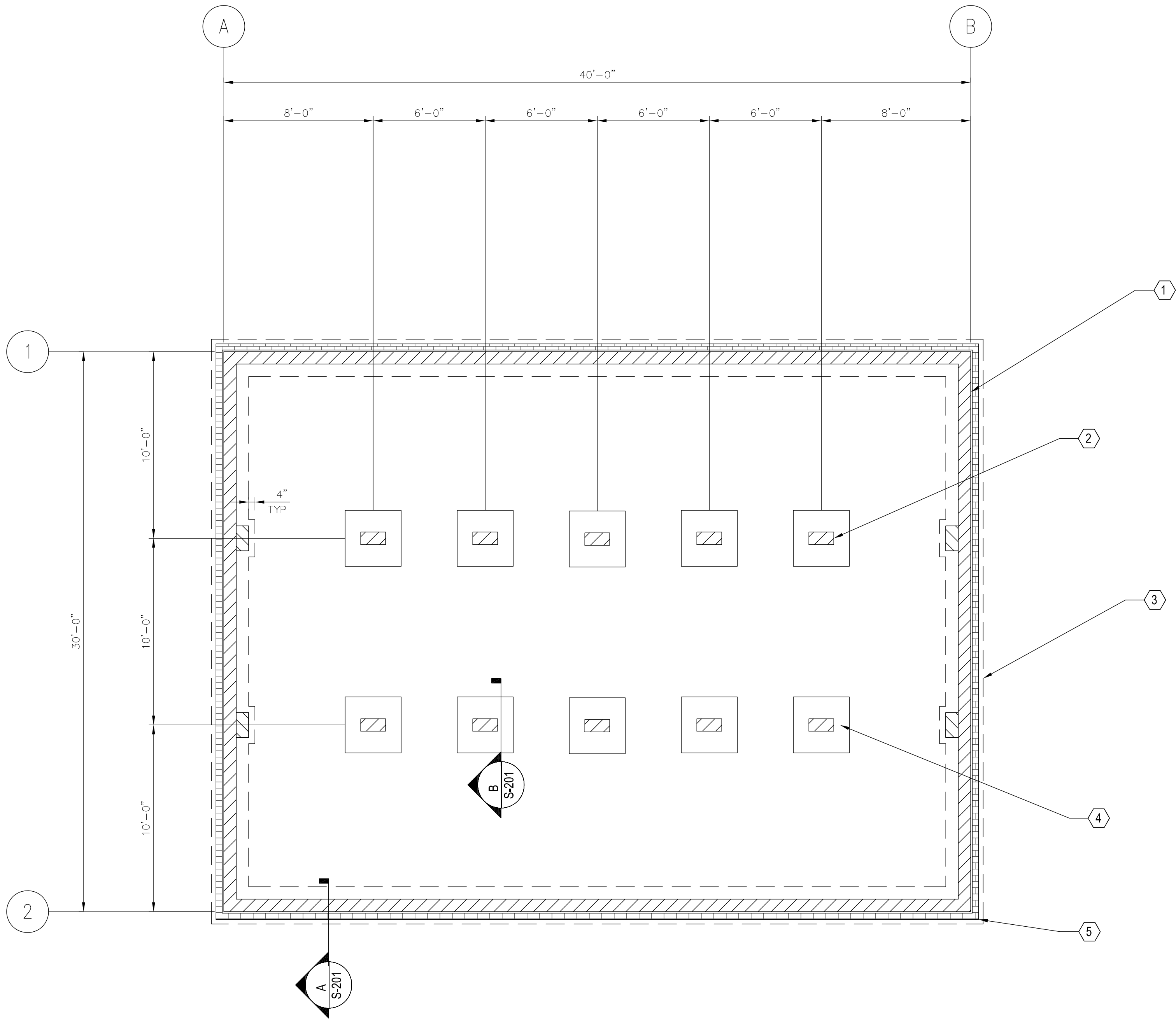
FIRST FLOOR OFFICE AREAS.....	50 PSF
FIRST FLOOR ENTRY AND HALL.....	100 PSF
FIRST FLOOR STORAGE.....	125 PSF
ALL OTHER AREAS.....	50 PSF
ROOF.....	20 PSF
GROUND SNOW LOAD (Pg).....	10 PSF

WIND DESIGN CRITERIA

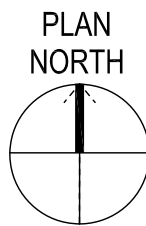
ULTIMATE DESIGN WIND SPEED (Vult).....	133 MPH
NOMINAL DESIGN WIND SPEED (Vnom).....	103 MPH
WIND EXPOSURE CATEGORY.....	C
RISK CATEGORY.....	II
IMPORTANCE FACTOR (IW).....	1.0
WIND BASE SHEAR (ULTIMATE).....	V=21.2K
COMPONENT & CLADDING.....	SEE TABLE THIS SHEET

SEISMIC DESIGN CRITERIA

0.2 SECOND SPECTRAL RESPONSE (Ss).....	0.104g
1 SECOND SPECTRAL RESPONSE (St).....	0.051g
DESIGN SPECTRAL RESPONSE ACCELERATION (SDs).....	0.111
DESIGN SPECTRAL RESPONSE ACCELERATION (SD1).....	0.082
SEISMIC DESIGN CATEGORY	B
SEISMIC SITE CLASS	D
RISK CATEGORY.....	II
IMPORTANCE FACTOR (Ie).....	1.0
SEISMIC RESPONSE COEFFICIENT (Cs).....	0.017
RESPONSE MODIFICATION COEFFICIENT (R).....	6.5
BASIC SEISMIC FORCE RESISTING SYSTEM.....	LIGHT FRAME (WOOD)
WALLS SHEATHED WITH WOOD STRUCTURAL PANELS RATED FOR SHEAR RESISTANCE	
ANALYSIS PROCEDURE.....	EQUIVALENT LATERAL FORCE
SEISMIC BASE SHEAR	V=10.7K



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



GENERAL SHEET NOTES

- SEE SHEET S-001 FOR ADDITIONAL STRUCTURAL NOTES.
- SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.

NEW WORK KEYNOTES

MARK	DESCRIPTION
1	8" CMU STEM WALL (TYP)
2	8"X16" CMU PIER, GROUT FILLED (TYP)
3	8"X24" CONTINUOUS CONCRETE FOOTING WITH (2) #5 REBAR (TYP)
4	3'X3'X10" CONCRETE FOOTING (TYP)
5	BRICK VENEER (TYP)

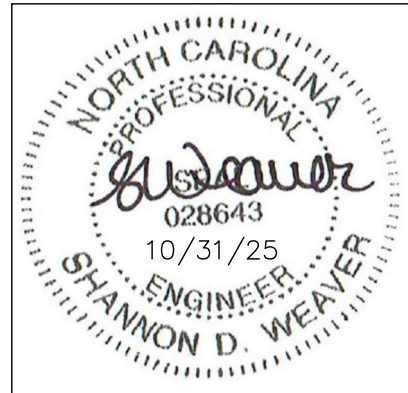
GRAPHIC SCALE(S)

1/4" = 1'-0" 0' 2' 4' 8'

WALKER
the GROUP
ARCHITECTURE
incorporated
PO BOX 541, NEW BERN, NC 28563
252-636-8778 252-636-8992(FAX)

New NC Forest
Service County
Office for Jones
County

NC Highway 58 S
Jones County, NC 28585



LARION PLLC: P-1146
112 QUEENS CREEK RD.
SUITE 4
SWANSBORO, NC 28584
910.376.5582
SWEAVER@LARION.NET

ISSUED FOR
CONSTRUCTION
SCO # 23-26839-01B

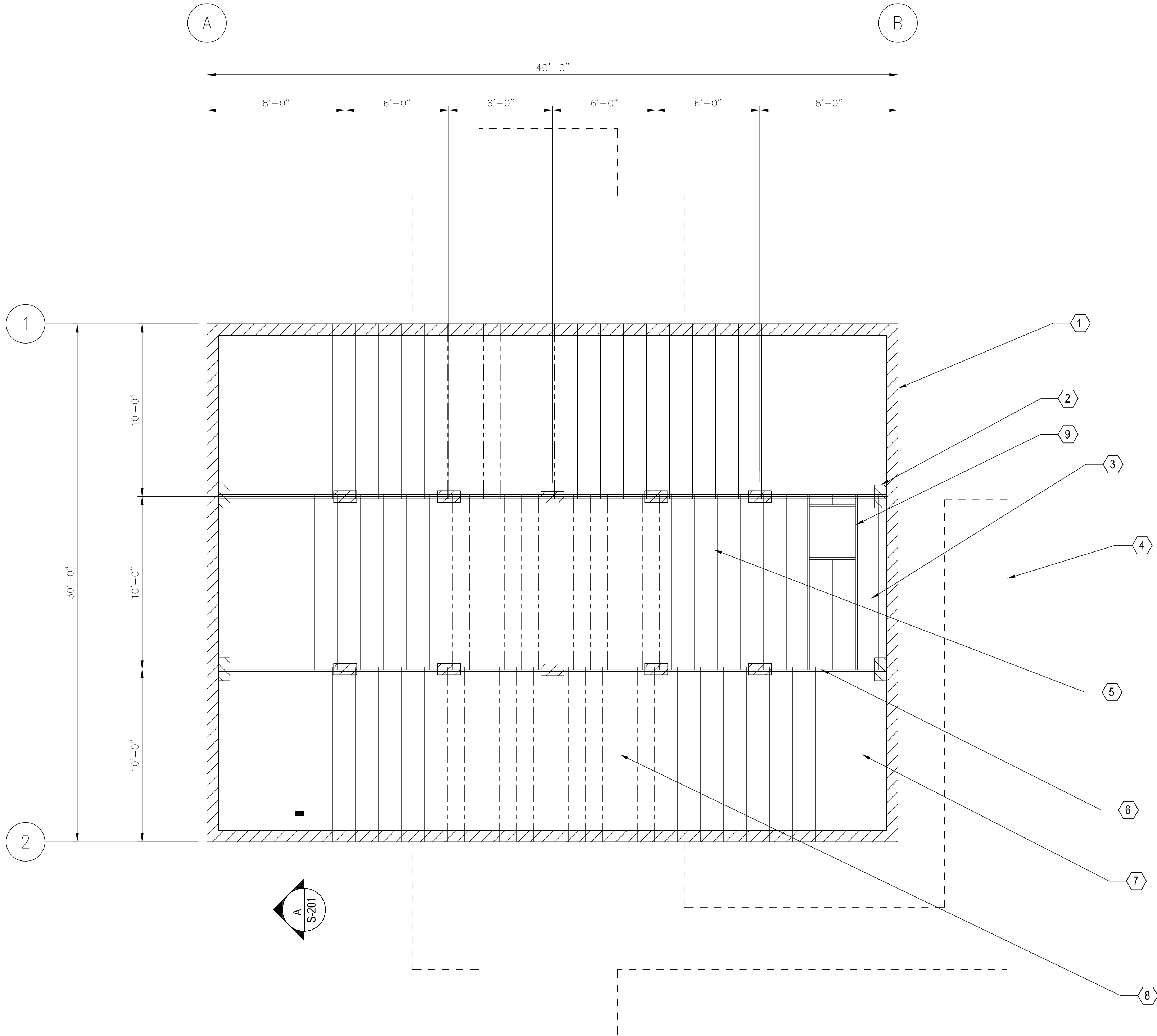
Revisions	
No.	Date

Project Number
2318.NCFS
Drawn
SDW
Scale
AS NOTED
Drawing Title
FOUNDATION
PLAN

Date
10/31/25
Checked
SDW

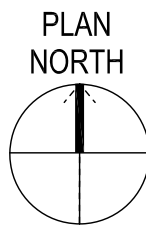
Sheet Number
29 of 37
Drawing Number

S-101



FIRST FLOOR FRAMING PLAN

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



GENERAL SHEET NOTES

- SEE SHEET S-001 FOR ADDITIONAL STRUCTURAL NOTES.
- SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.

NEW WORK KEYNOTES

MARK	DESCRIPTION
1	8" CMU STEM WALL (TYP)
2	8"X16" CMU PIER BELOW (TYP)
3	INSTALL 2X BLOCKING AT INTERIOR PARTITION WALLS PERPENDICULAR TO JOISTS (TYP)
4	SEE ARCHITECTURAL FOR PORCHES, RAMPS, ETC. (TYP)
5	PARTITION WALLS PARALLEL TO JOISTS ARE TO BE SUPPORTED BY DOUBLED JOISTS (TYP)
6	(3) PLY 2X12 GIRDER (TYP)
7	2X10 JOISTS @ 16" O.C. FOR AREAS WITH LIVE LOAD AT 50 PSF (TYP - UNLESS OTHERWISE NOTED)
8	2X10 JOISTS @ 12" O.C. SHOWN DASHED (PIER TO PIER) FOR AREAS WITH LIVE LOAD AT 100 PSF (TYP)
9	(2) 2X10 JOISTS WITH (2) 2X10 HEADERS AT THE CRAWLSPACE OPENING (32"X32"). SUPPORT HEADER WITH HANGERS AT THE DOUBLED JOIST. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL DETAILS ON CRAWLSPACE ACCESS DOOR.

GRAPHIC SCALE(S)

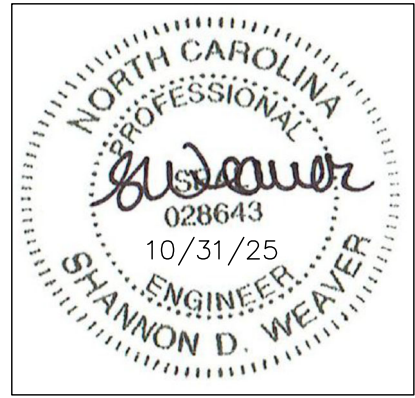


WALKER
the GROUP
ARCHITECTURE

incorporated
PO BOX 541, NEW BERN, NC 28563
252-636-8778 252-636-8992(FAX)

New NC Forest
Service County
Office for Jones
County

NC Highway 58 S
Jones County, NC 28585



LARION PLLC, P-1146
112 QUEENS CREEK RD,
SUITE 4
SWANSBORO, NC 28584
910.376.5582
SWEAVER@LARION.NET

ISSUED FOR
CONSTRUCTION
SCO # 23-26839-01B

Revisions	
No.	Date

Project Number
2318.NCFS

Date
10/31/25

Drawn
SDW

Checked
SDW

Scale
AS NOTED

Drawing Title
FIRST FLOOR
FRAMING PLAN

Sheet Number
30 of 47

Drawing Number

S-102

S-103

1. SEE SHEET S-001 FOR ADDITIONAL STRUCTURAL NOTES.
2. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.

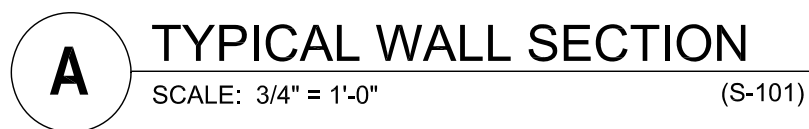
New NC Forest Service County Office for Jones County

**ISSUED FOR
CONSTRUCTION
SCO # 23-26839-01B**

[illegible]

TYPICAL SECTIONS

S-201



3/4" = 1'-0"



A horizontal graphic scale bar with alternating black and white segments. Above the bar are tick marks and labels for 0', 1', 2', and 3'.

NC HIGHWAY 58 S
JONES COUNTY, NC
28585

[illegible]

PLUMBING PLANS

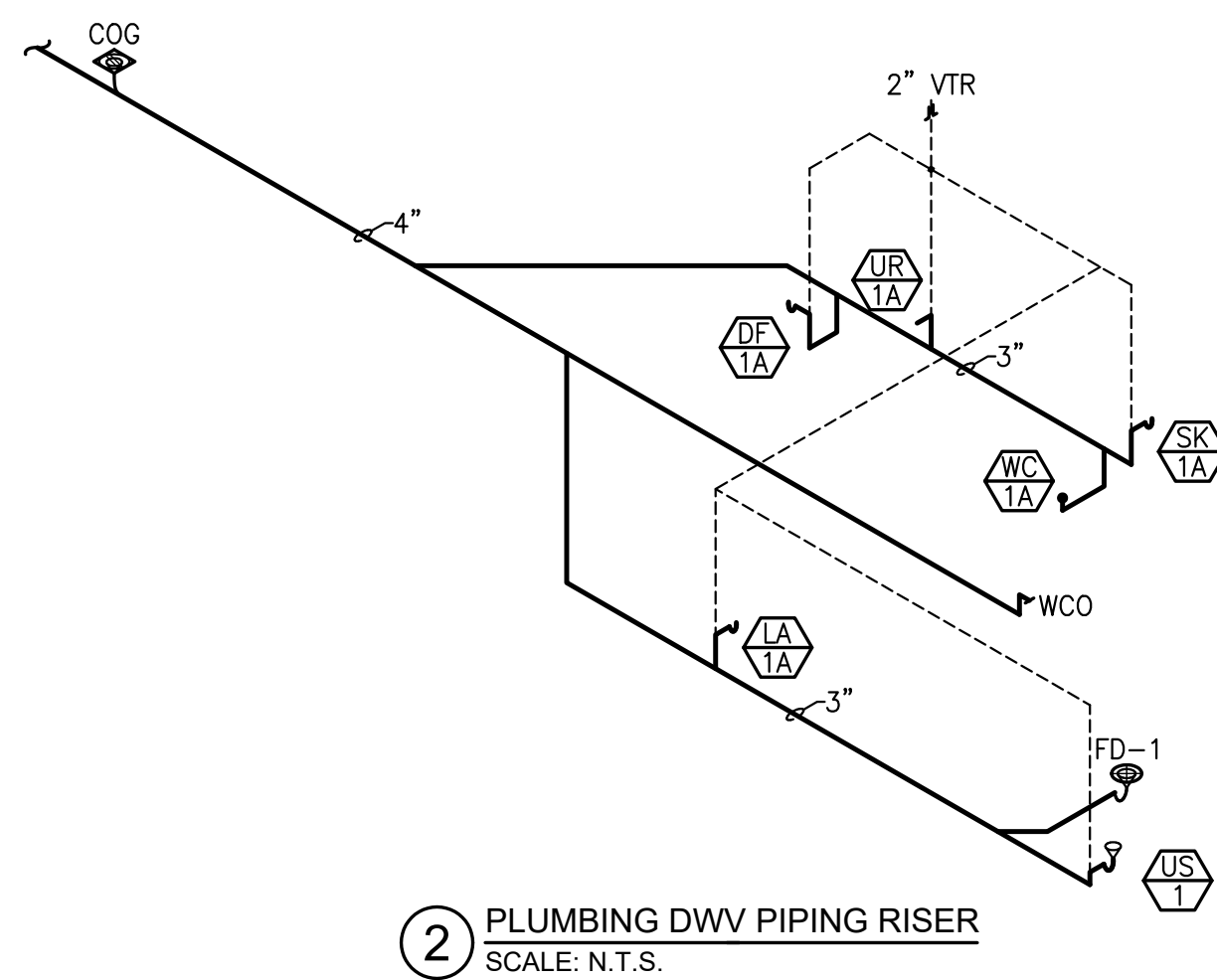
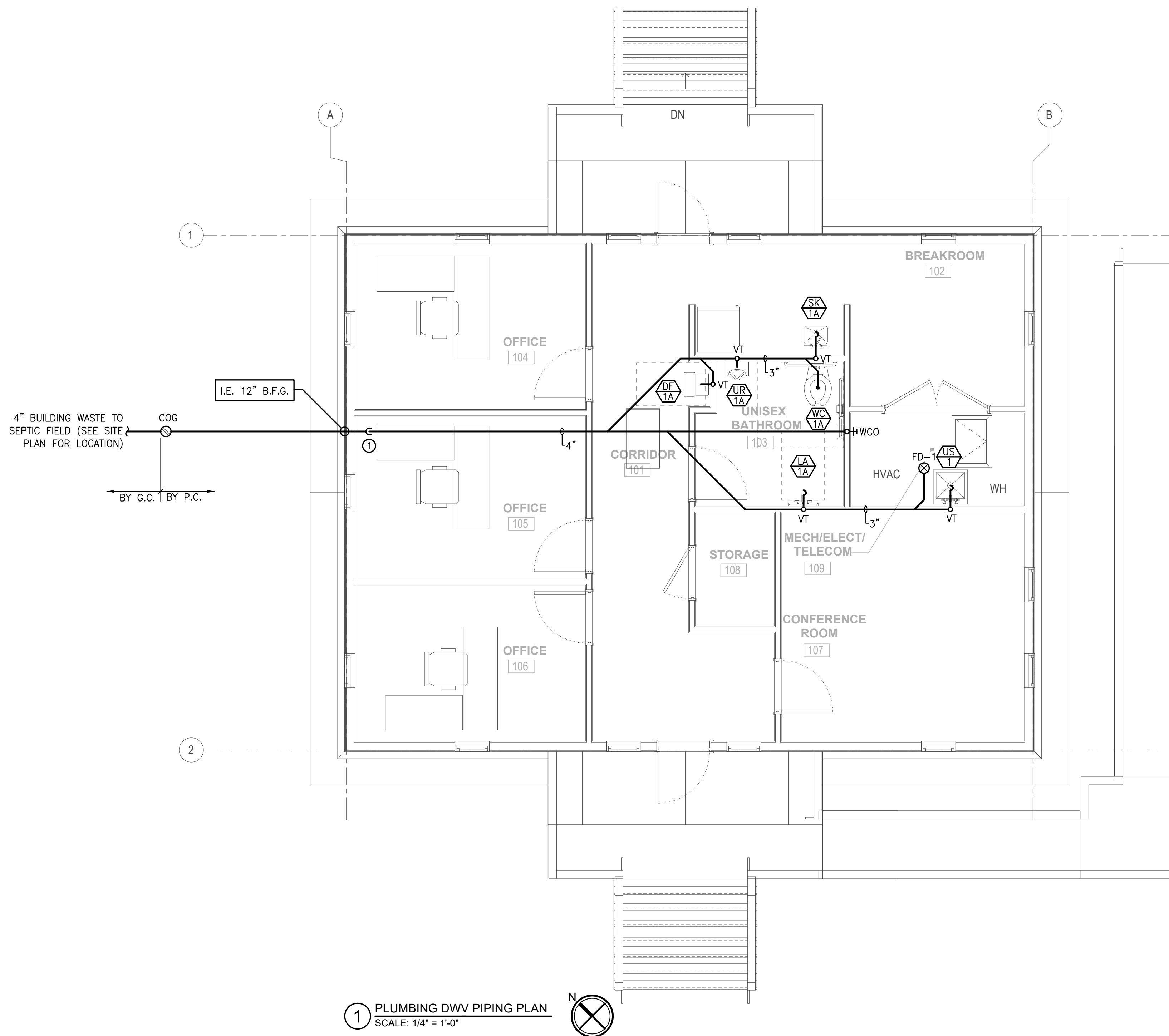
Drawing Number

D 101

P-101

1. ALL DRAIN & WATER PIPING SHALL BE LOCATED IN CRAWL SPACE.

1. PROVIDE 90 DEGREE FITTINGS SUCH THAT DRAIN PIPE IS A MINIMUM OF 12" BELOW GRADE AT THE FOUNDATION WALL. PIPE SHALL BE SLEEVED AT THE EXTERIOR WALL.



NC HIGHWAY 58 S
JONES COUNTY, NC
28585

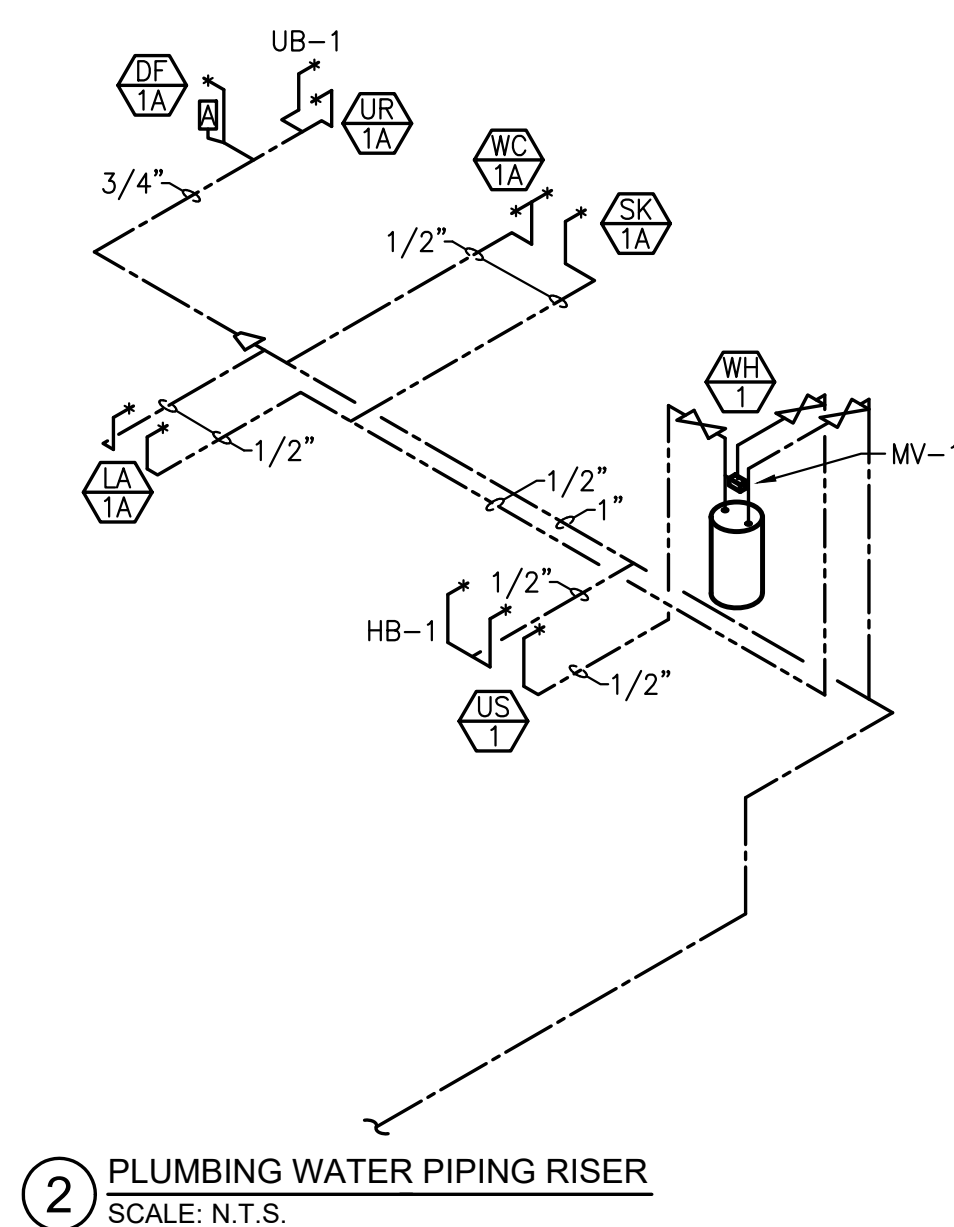
[illegible]

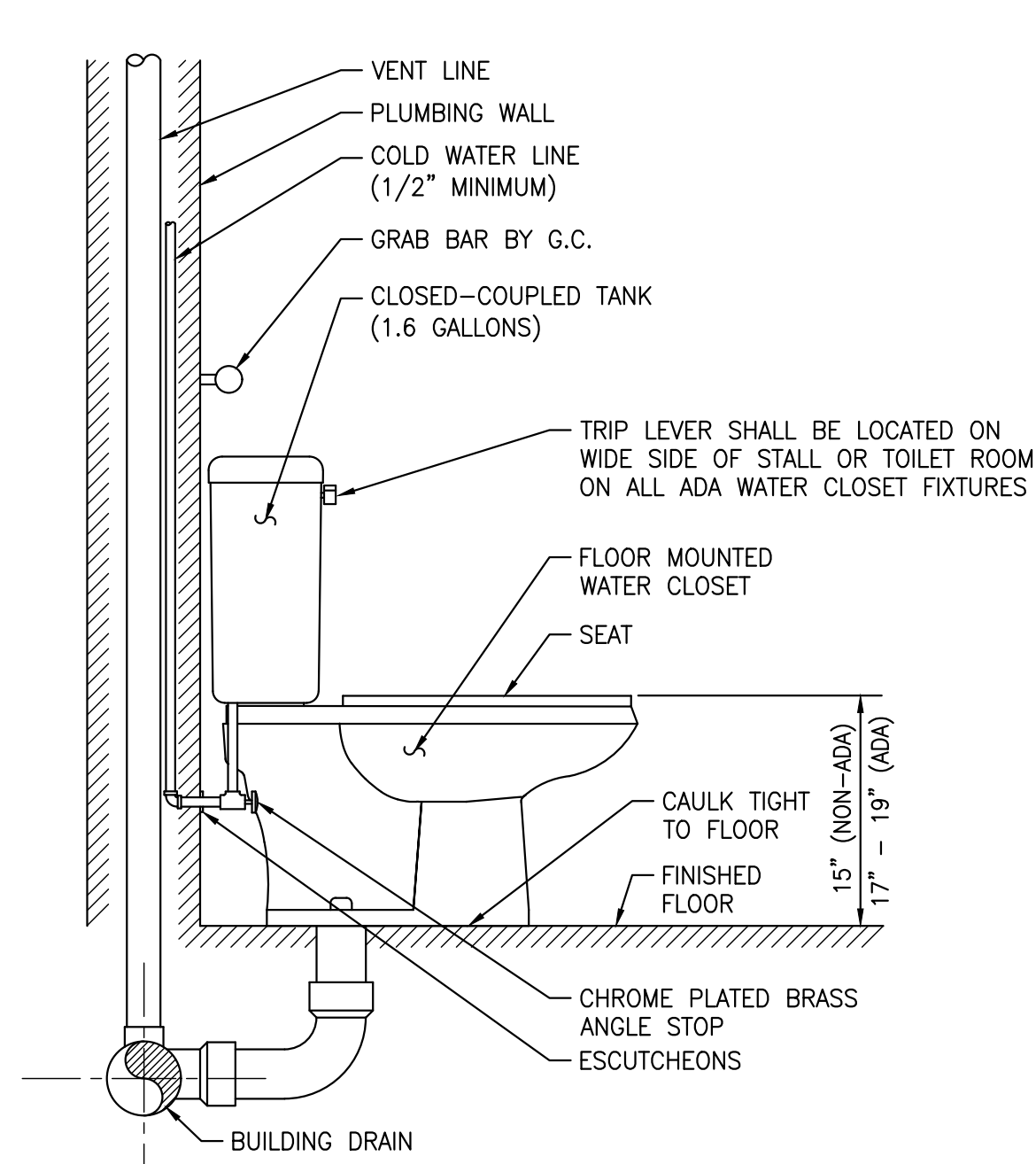
Scale
AS NOTED
Drawing Title

Sheet Number
3 Of 6

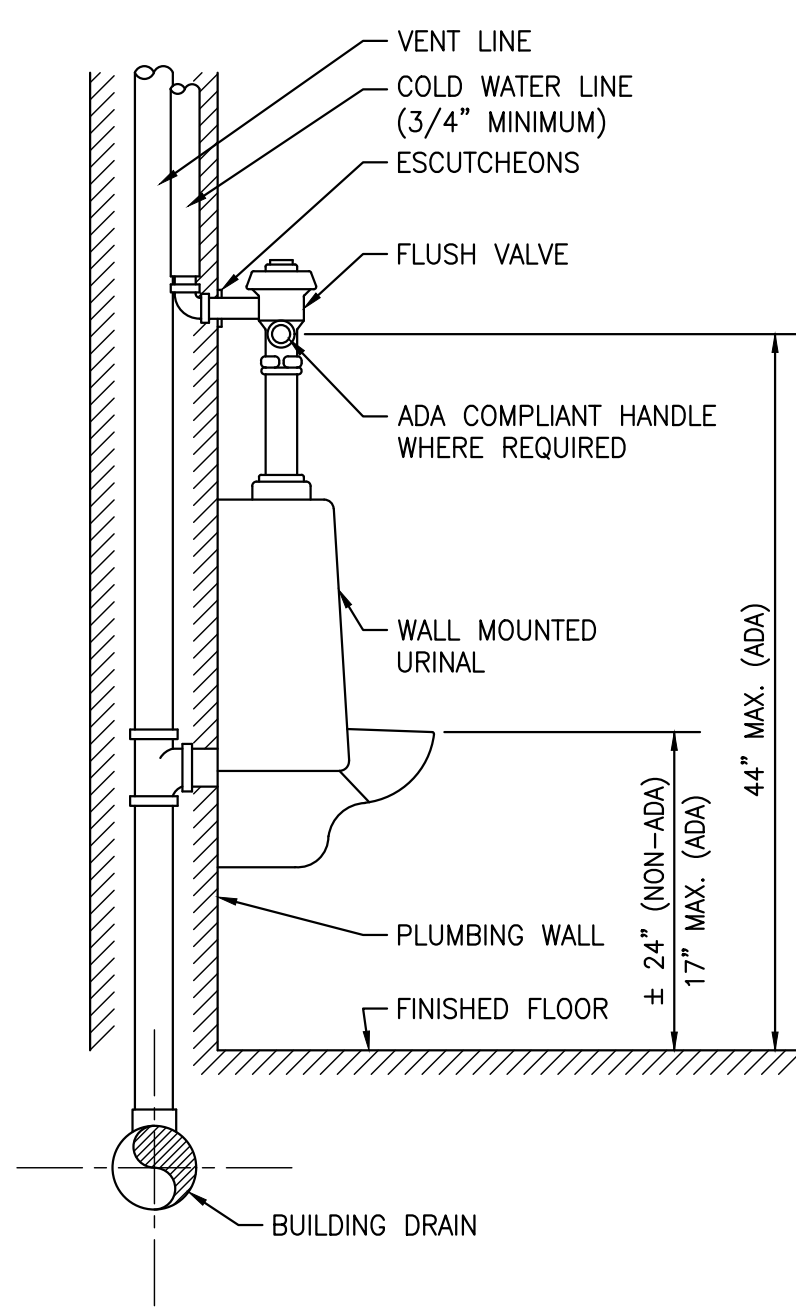
Drawing Number

1. DOMESTIC HOT AND COLD WATER SHUTOFF VALVE LOCATED ABOVE WATER HEATER, NOT WITHIN CEILING.

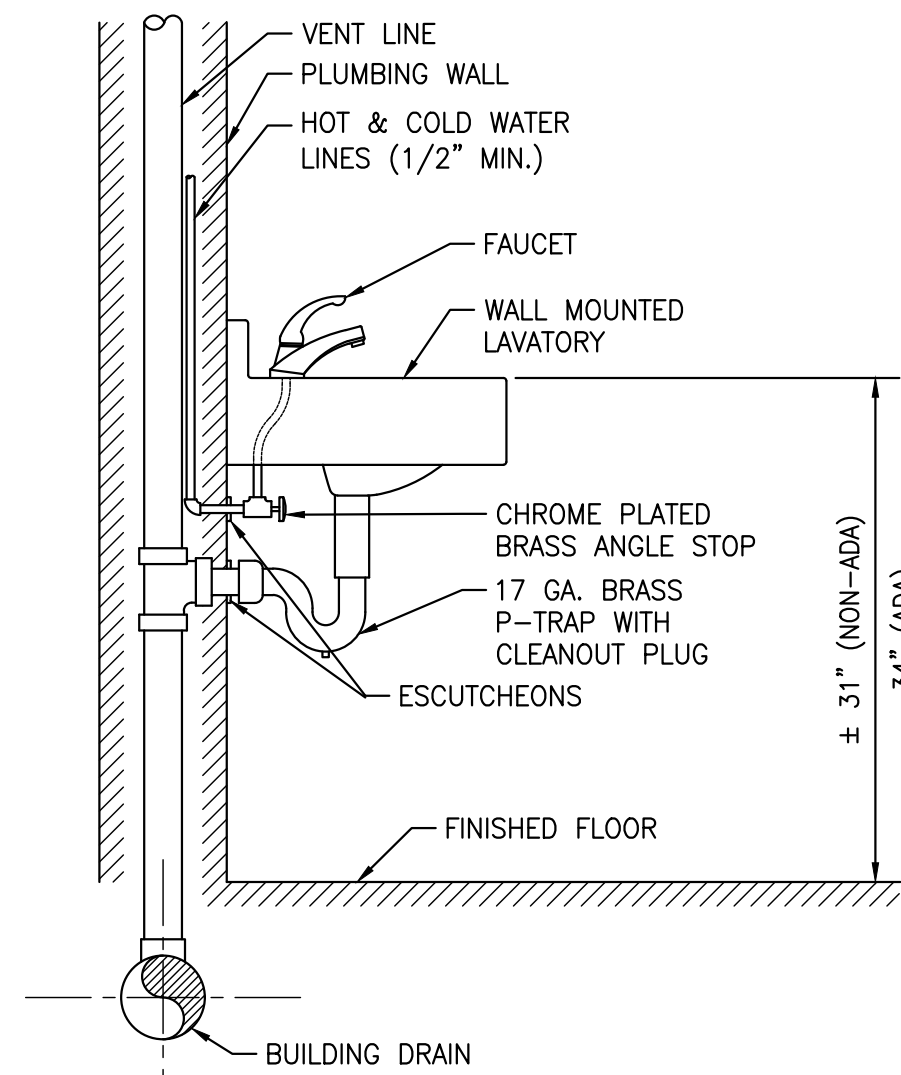




1 FLOOR MOUNTED WATER CLOSET WITH FLUSH TANK DETAIL
SCALE: N.T.S.

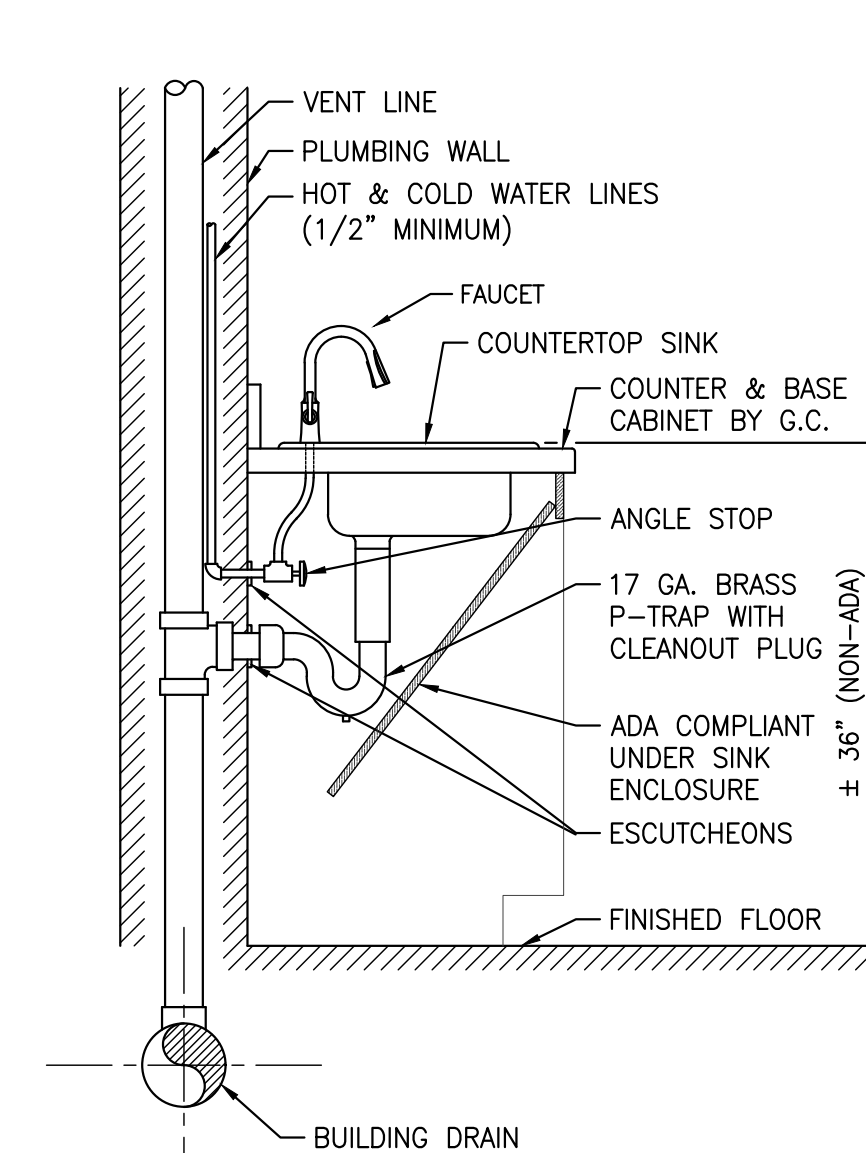


2 WALL MOUNTED URINAL DETAIL
SCALE: N.T.S.



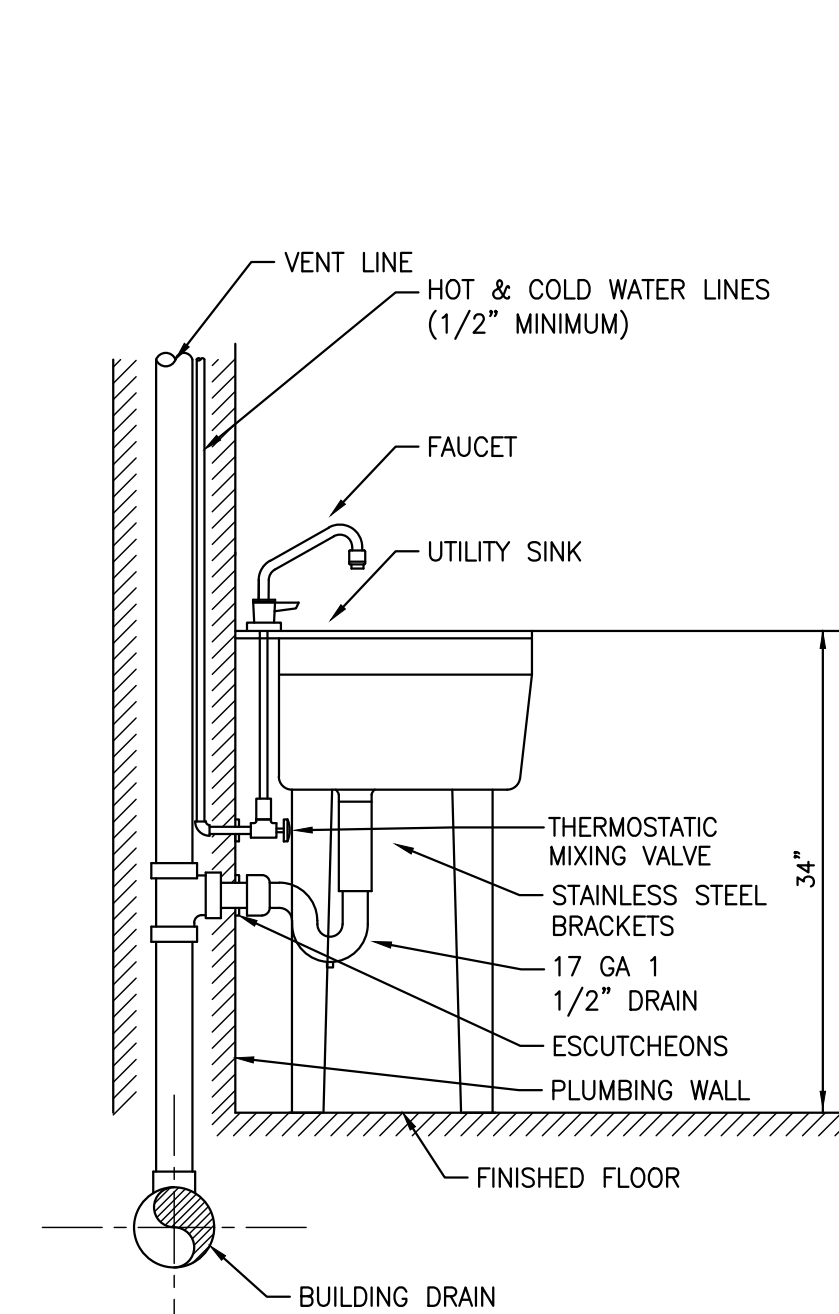
- NOTES:
1. PROVIDE ADA LAVATORIES WITH PRE-WRAPPED ANTI-MICROBIAL MOLDED CLOSED CELL VINYL ON EXPOSED HOT & COLD WATER AND DRAIN LINES.
 2. WATER SUPPLY INLETS AND RISERS SHALL BE BRASS OR COPPER (CHROME PLATED WHERE EXPOSED TO VIEW).

3 WALL MOUNTED LAVATORY DETAIL
SCALE: N.T.S.

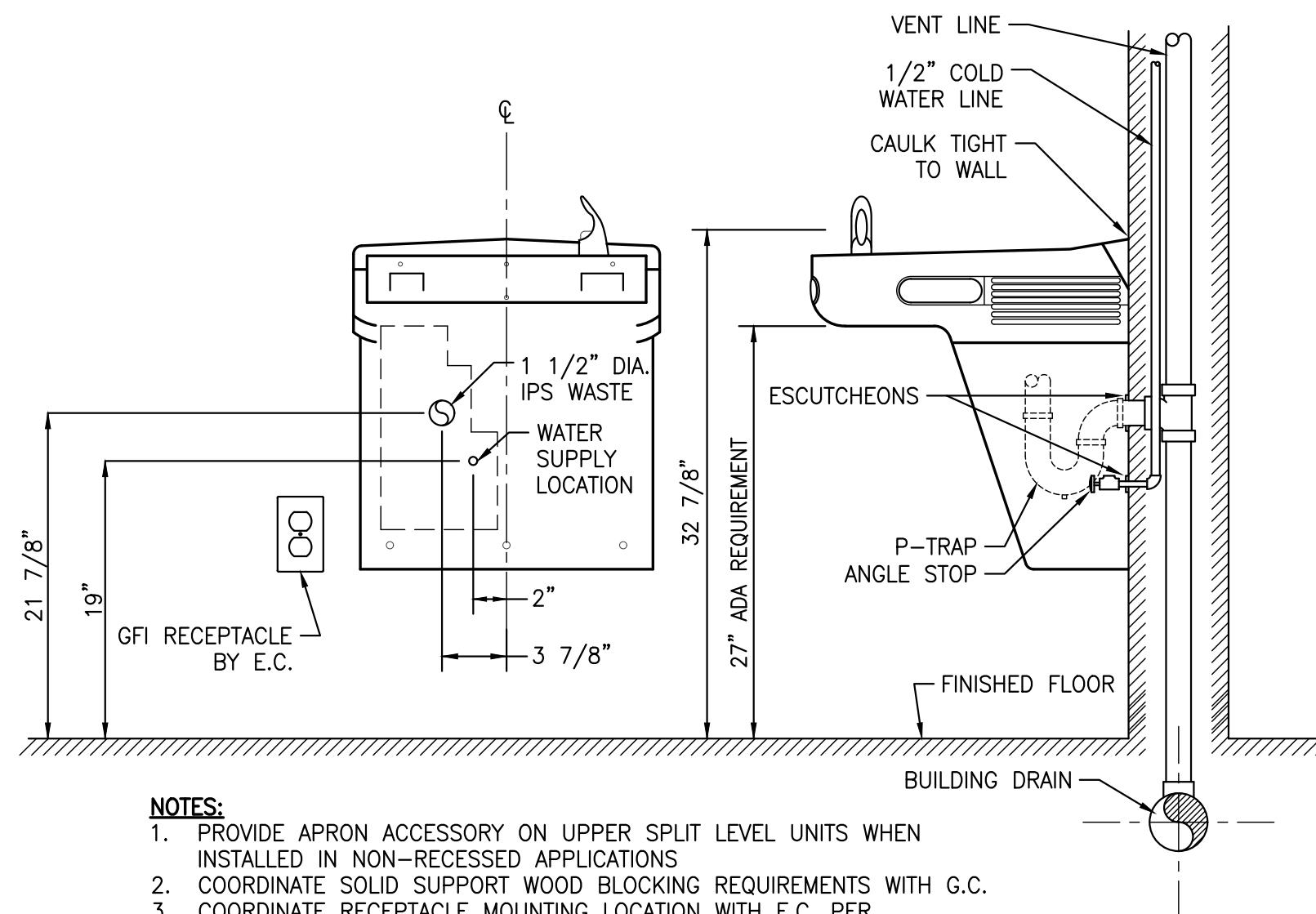


- NOTES:
1. G.C. SHALL PROVIDE ADA COMPLIANT UNDERSPACE SINK PROTECTIVE ENCLOSURES FOR ALL ADA SINKS.
 2. WATER SUPPLY INLETS AND RISERS SHALL BE BRASS OR COPPER (CHROME PLATED WHERE EXPOSED TO VIEW).

4 COUNTERTOP MOUNTED SINK DETAIL
SCALE: N.T.S.

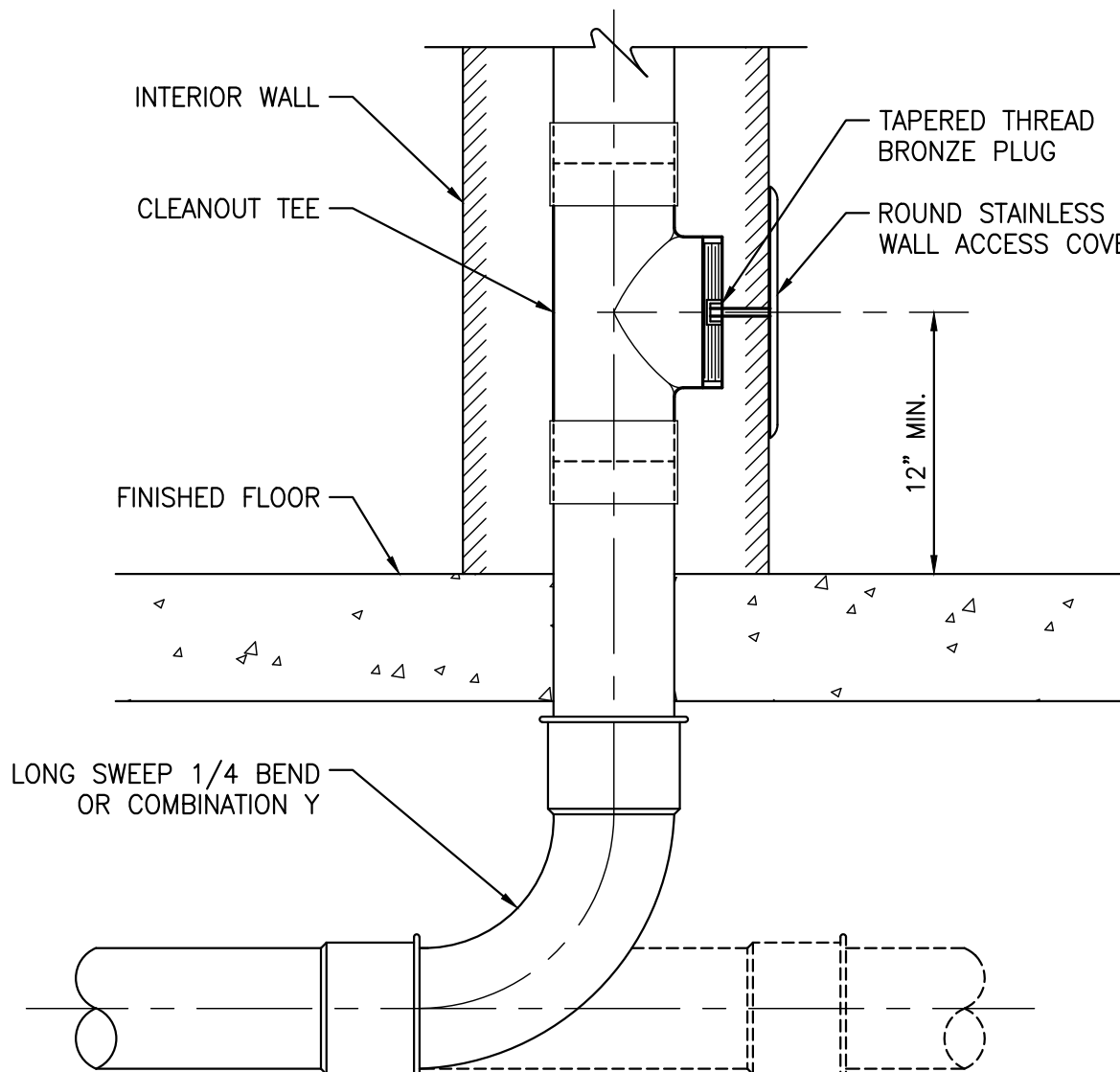


5 SERVICE SINK DETAIL
SCALE: N.T.S.

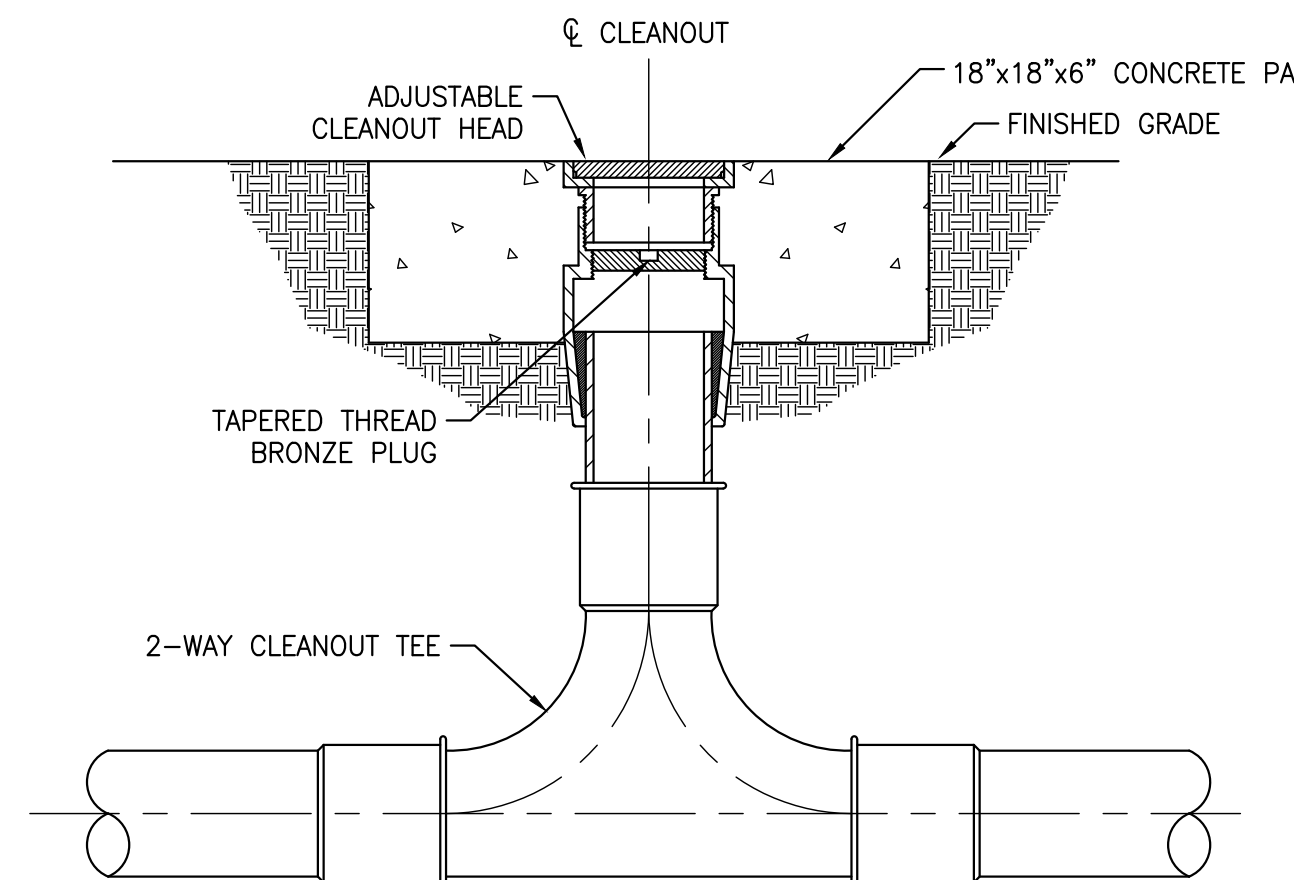


- NOTES:
1. PROVIDE APRON ACCESSORY ON UPPER SPLIT LEVEL UNITS WHEN INSTALLED IN NON-RECESSED APPLICATIONS
 2. COORDINATE SOLID SUPPORT WOOD BLOCKING REQUIREMENTS WITH G.C.
 3. COORDINATE RECEPTACLE MOUNTING LOCATION WITH E.C. PER INSTALLATION INSTRUCTIONS.

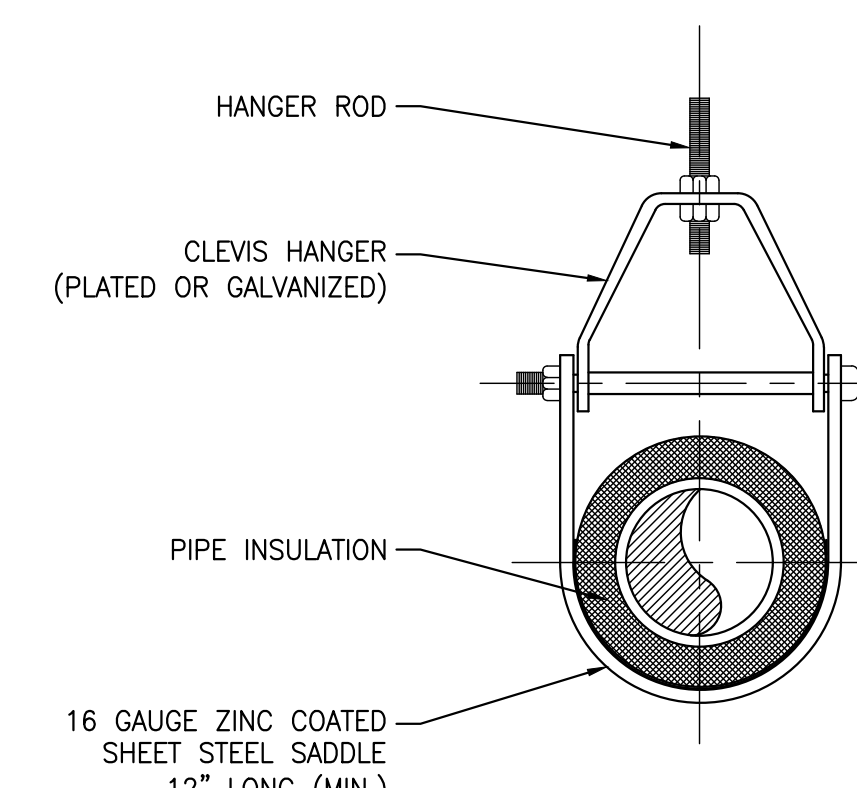
6 WALL MOUNTED ELECTRIC WATER COOLER DETAIL
SCALE: N.T.S.



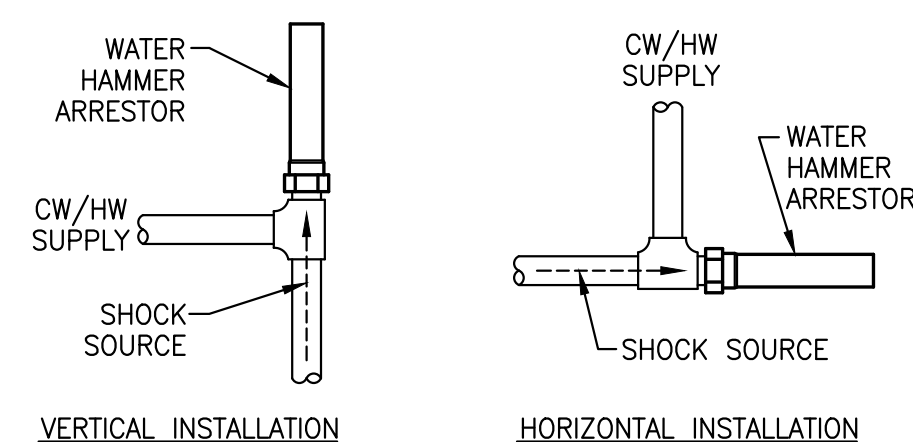
7 WALL CLEANOUT WITH SWEEP BEND OR COMBINATION Y DETAIL
SCALE: N.T.S.



8 CLEANOUT ON GRADE WITH 2-WAY TEE DETAIL
SCALE: N.T.S.



9 CLEVIS PIPE HANGER DETAIL
SCALE: N.T.S.

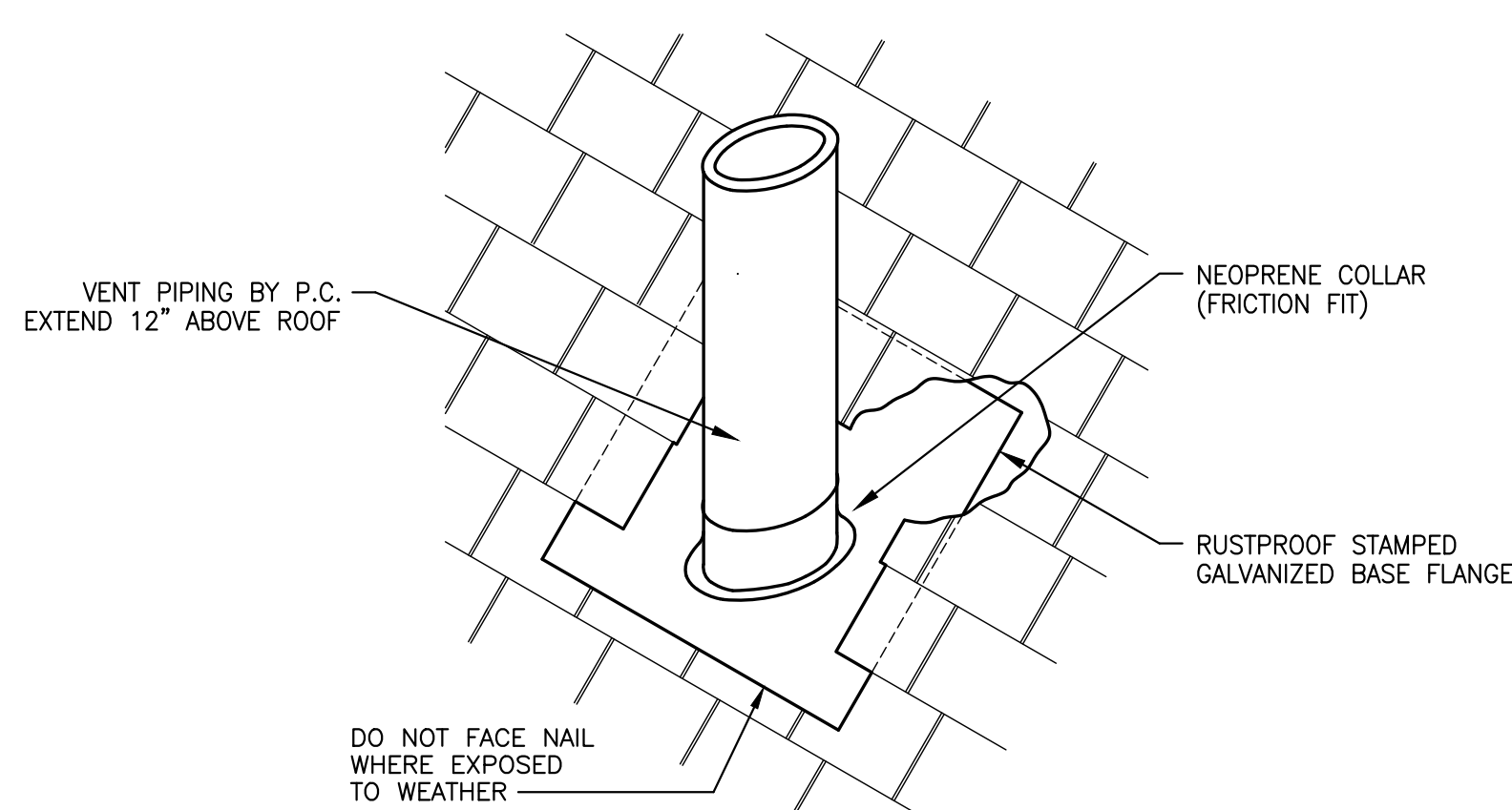


WATER HAMMER SIZING TABLE		
SIZE	FIXTURE UNITS	*PDI UNITS
1/2"	1-11	A
3/4"	12-32	B
1"	33-60	C
1 1/4"	61-113	D
1 1/2"	114-154	E
2"	155-330	F

*PLUMBING & DRAINAGE INSTITUTE STANDARD PDI-WH201.

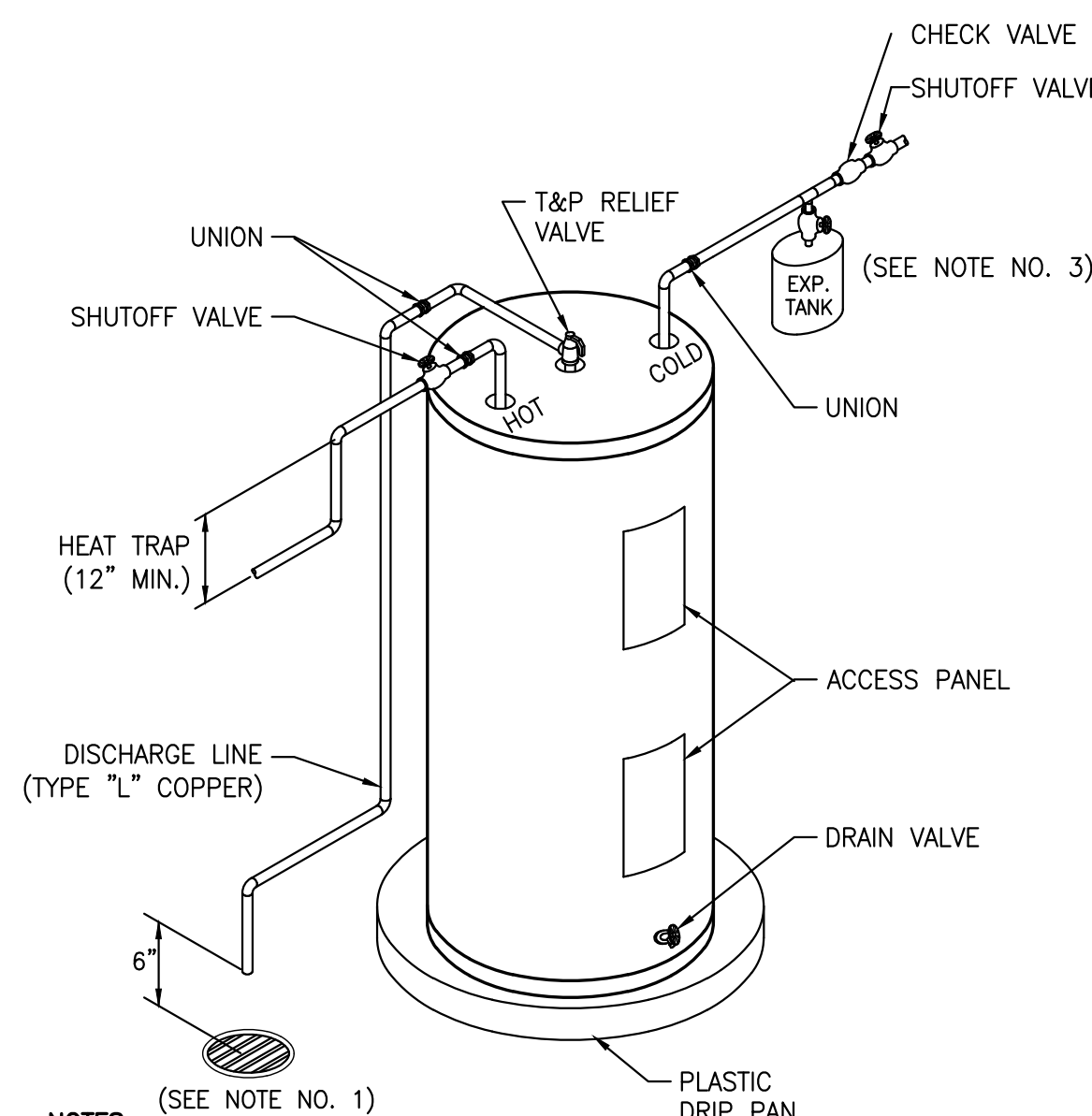
NOTE: SEE PLANS FOR LOCATIONS OF WATER HAMMER ARRESTORS.

10 WATER HAMMER ARRESTOR DETAIL
SCALE: N.T.S.



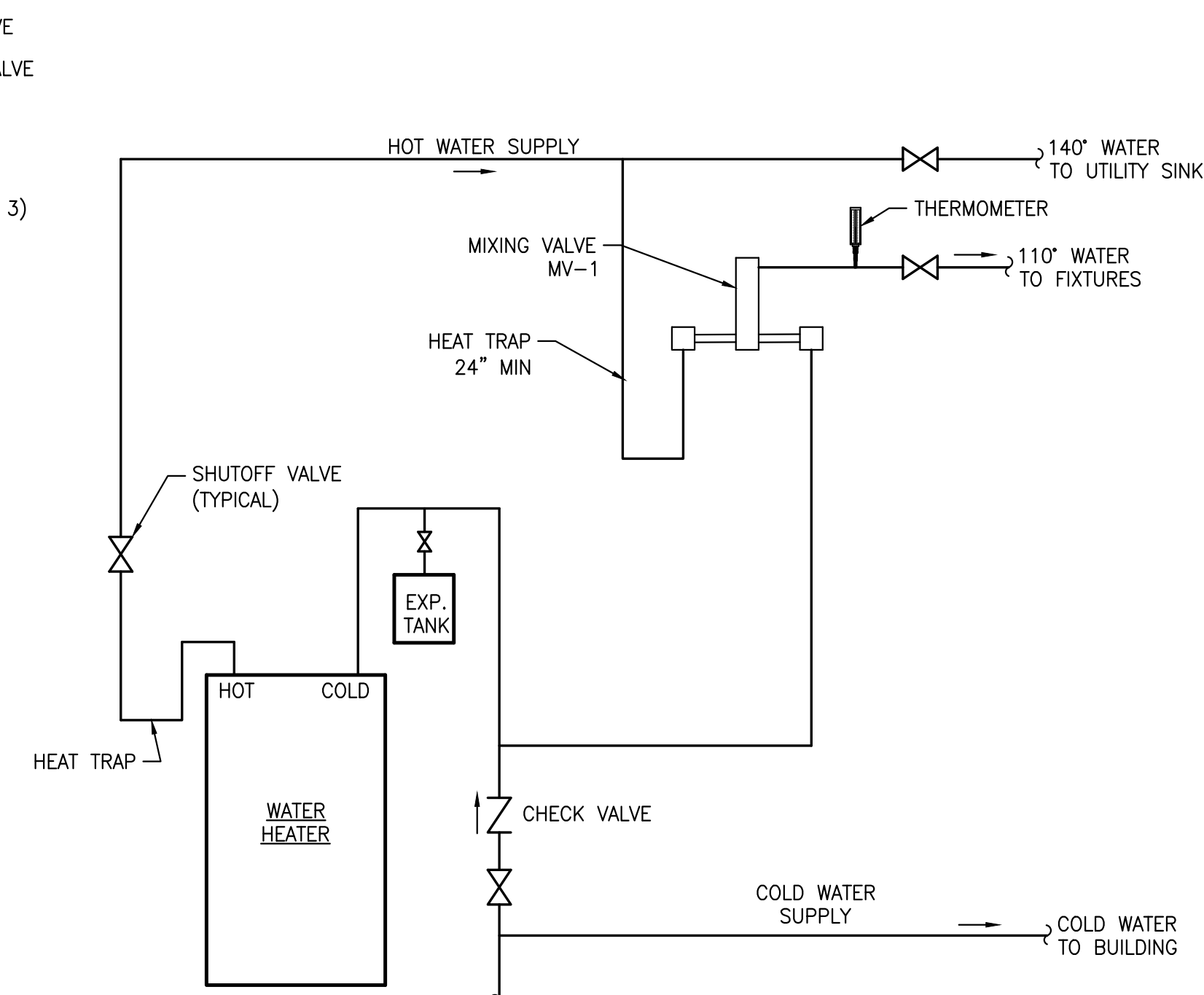
- NOTES:
1. BASE AND COLLAR SHALL BE PROVIDED BY P.C.
 2. P.C. SHALL COORDINATE WITH ROOFING SUBCONTRACTOR.
 3. EXPOSED PIPING SHALL BE PAINTED WITH 2-COATS OF ENAMEL PAINT - COLOR SELECTED BY ARCHITECT.

11 VENT THRU ROOF (SHINGLE) DETAIL
SCALE: N.T.S.



- NOTES:
1. DISCHARGE LINE FROM RELIEF VALVE SHALL BE PIPED FULL-SIZE TO DRAIN
 2. - TERMINATE 6 INCHES ABOVE UTILITY SINK.
 3. DISCHARGE LINE SHALL BE CLAMPED OR OTHERWISE SUPPORTED IN ACCORDANCE WITH NCPC TABLE 308.5 OR SUPPORT WITHIN 12 INCHES OF DISCHARGE.
 4. PROVIDE PRE-CHARGED DIAPHRAGM EXPANSION TANK ON SYSTEMS HAVING CHECK VALVES OR BACKFLOW PREVENTERS ON SUPPLY WATER LINE. TANK SHALL BE 5 GALLON CAPACITY U.N.O. IN SPECIALTIES SCHEDULE AND APPROVED FOR POTABLE WATER SYSTEMS.

12 FLOOR MOUNTED ELECTRIC WATER HEATER DETAIL
SCALE: N.T.S.



13 WATER HEATER MIXING VALVE DIAGRAM
SCALE: N.T.S.

Revisions	No.	Date

NC HIGHWAY 58 S
JONES COUNTY, NC
28585

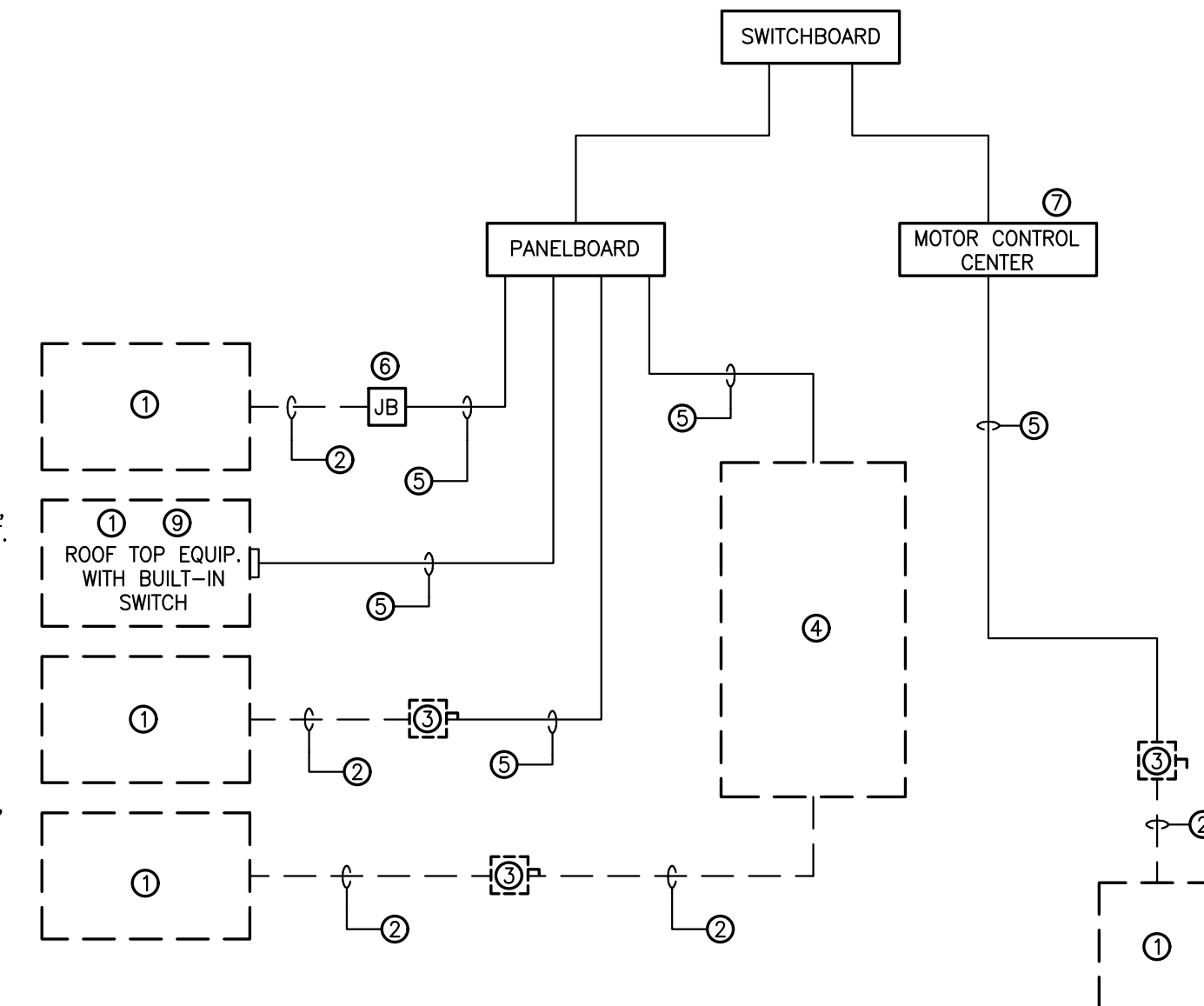
[illegible]

Drawing Number

P-202



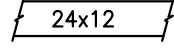
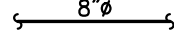
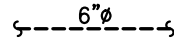
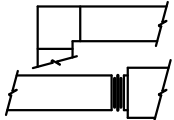
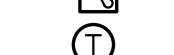
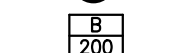
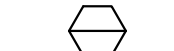
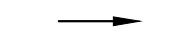
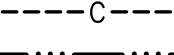
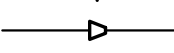
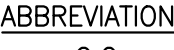
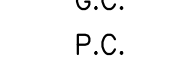
- ### ELECTRICAL NOTES:
- ① EQUIPMENT OF TRADES OTHER THAN ELECTRICAL.
 - ② CONDUIT AND WIRING BY HVAC, PLUMBING CONTRACTOR, OR OTHER TRADES.
 - ③ IF AN ADDITIONAL DISCONNECT IS REQUIRED BY NEC, IT SHALL BE PROVIDED AND INSTALLED BY THE EQUIPMENT CONTRACTOR.
 - ④ A COMBINATION STARTER OR VFD MAY BE USED IN LIEU OF A SEPARATE DISCONNECT SWITCH AND STARTER, LOCATE ADJACENT TO EQUIPMENT.
 - ⑤ FEEDER CIRCUIT WIRING AND CONDUIT IN ELECTRICAL WORK, SEE PANELBOARD SCHEDULES FOR WIRE AND BREAKER SIZES.
 - ⑥ JUNCTION BOX MAY BE SHOWN ON ELECTRICAL PLANS FOR SOME EQUIPMENT. IF NO STARTER OR DISCONNECT IS SUPPLIED, A JUNCTION BOX SHALL BE INSTALLED ADJACENT TO EQUIPMENT. THE ELECTRICAL CONTRACTOR SHALL PROVIDE LINE SIDE WIRING TO THE JUNCTION BOX. LOAD SIDE WIRING WILL BE PROVIDED BY MECHANICAL CONTRACTOR OR OTHER TRADES.
 - ⑦ PROJECTS UTILIZING AN MCC, THE STARTER, CB OR VFD IN THE MCC ARE PROVIDED BY THE ELECTRICAL CONTRACTOR.
 - ⑧ IN ALL CASES THE EQUIPMENT CONTRACTOR SHALL MAKE FINAL CONNECTIONS, START UP, AND TEST EQUIPMENT.
 - ⑨ IF THE ROOF TOP FAN IS NOT PROVIDED WITH BUILT IN SWITCH, THE ELECTRICAL CONTRACTOR SHALL PROVIDE A DISCONNECT SWITCH.
 - ⑩ IN A SINGLE PRIME CONTRACT, IT IS THE RESPONSIBILITY OF THE PRIME CONTRACTOR TO COORDINATE BETWEEN THE ELECTRICAL AND THE OTHER TRADES.



- MECHANICAL SYSTEMS ARE INTENDED TO PROVIDE INFORMATION FOR INSTALLATION OF A COMPLETE OPERATING AND OPERATING SYSTEM.
2. CONTRACTOR SHALL REVIEW & BECOME FAMILIAR WITH THE WORK OF ALL TRADES FOR PURPOSES OF COORDINATION AND ROUTING. CONTRACTOR SHALL PROVIDE REQUIRED PLANNING, COORDINATION AND SEQUENCING OF HVAC INSTALLATION WITH BUILDING COMPONENTS AND OTHER TRADES. THE EXACT LOCATION AND DETAILS OF EQUIPMENT MAY REQUIRE DEVIATIONS FROM PLANS AS THEY ARE DIAGRAMMATIC.
3. ALL WORK SHALL COMPLY WITH 2018 NC MECHANICAL CODE, LOCAL ORDINANCES, AS WELL AS FOLLOW ALL MANUFACTURER'S RECOMMENDATIONS/GUIDELINES. WORKMANSHIP SHALL MEET OR EXCEED INDUSTRY STANDARDS.
4. PROVIDE PRODUCT SUBMITTALS FOR ALL EQUIPMENT INCLUDING EFFICIENCY, PERFORMANCE DATA, DIMENSIONAL DATA, FINISHES, ELECTRICAL REQUIREMENTS ETC. EQUIPMENT SHALL MEET THE PERFORMANCE, QUALITY AND INTENT OF SCHEDULED EQUIPMENT AND INCLUDE ALL OPTIONS AS LISTED IN SCHEDULES.
4. BEFORE SUBMITTING SHOP DRAWINGS TO ENGINEER FOR REVIEW, CONTRACTOR SHALL REVIEW AND COORDINATE SUBMITTALS (SHOP DRAWINGS) WITH OTHER SUBMITTALS AND WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. BY APPROVAL AND SUBMITTAL OF SHOP DRAWINGS, PRODUCT DATA, SAMPLES AND SIMILAR SUBMITTALS TO THE ENGINEER, THE CONTRACTOR REPRESENTS THAT IT HAS DETERMINED AND VERIFIED AND CHECKED THE INFORMATION WITHIN THE SUBMITTAL WITH THE REQUIREMENTS OF THE WORK AND THE CONTRACT DOCUMENTS. CONTRACTOR IS RESPONSIBLE FOR AND SHALL DETERMINE AND VERIFY ALL FIELD MEASUREMENTS, QUANTITIES, DIMENSIONS, AND INSTALLATION REQUIREMENTS. PROVIDE WRITTEN NOTICE ON SUBMITTAL OF ANY DEVIATIONS. THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR DEVIATIONS FROM CONTRACT DOCUMENTS REQUIREMENTS BY THE ARCHITECT'S APPROVAL OF SHOP DRAWINGS OR OTHER SUBMITTALS UNLESS THE CONTRACTOR HAS SPECIFICALLY INFORMED THE ENGINEER IN WRITING OF SUCH DEVIATION AT THE TIME OF THE SUBMITTAL AND SUCH DEVIATION HAS BEEN APPROVED IN WRITING.
5. COORDINATE ELECTRICAL REQUIREMENTS OF ALL EQUIPMENT WITH THE ELECTRICAL SUBCONTRACTOR. WHERE ELECTRICAL REQUIREMENTS OF EQUIPMENT PROVIDED DIFFERS FROM THE SCHEDULED EQUIPMENT THAT REQUIRE COST RELATED CHANGES IN THE ELECTRICAL, CONTACT THE ENGINEER.
6. THE CITED EXAMPLES OF PRODUCTS ARE USED ONLY TO DENOTE THE QUALITY STANDARD OF PRODUCT DESIRED AND THEY DO NOT RESTRICT BIDDERS TO A SPECIFIC BRAND, MAKE, MANUFACTURER OR SPECIFIC NAME; THAT THEY ARE USED ONLY TO SET FORTH AND CONVEY TO BIDDERS THE GENERAL STYLE, TYPE, CHARACTER AND QUALITY OF PRODUCT DESIRED; AND THAT EQUIVALENT PRODUCTS WILL BE ACCEPTABLE.
7. PROTECT ALL NEW MATERIALS FROM THE WEATHER IN STORAGE TRAILERS OR PROVIDE SUITABLE COVERING.
8. POWER WIRING, DISCONNECTS & STARTERS NOT FURNISHED WITH HVAC EQUIPMENT AND FINAL CONNECTIONS SHALL BE BY THE E.C.
9. CONTROL WIRING, RELAYS AND INTERLOCKING DEVICES SHALL BE PROVIDED BY THE M.C.
10. TEMPERATURE CONTROLS FOR EACH HEATING-COOLING SYSTEM SHALL CONSIST OF AN ELECTRONIC PROGRAMMABLE HEATING-COOLING THERMOSTAT WITH HEAT-OFF-COOL-AUTO SYSTEM SWITCH & AUTO-ON FAN SWITCH. MOUNT THERMOSTATS 48-INCHES A.F.F.
11. INSTALL EQUIPMENT TO FACILITATE SERVICING, MAINTENANCE & REPAIR IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS AS WELL AS SPECIFIC INSTRUCTIONS ON PLANS. PROVIDE CLEARANCE AS RECOMMENDED BY THE MANUFACTURER
12. PROVIDE CONCRETE HOUSEKEEPING PADS FOR ALL GROUND & FLOOR MOUNTED EQUIPMENT. UNLESS NOTED OTHERWISE ALL PADS SHALL BE 4" THICK & 4' LARGER THAN EQUIPMENT ON ALL SIDES. PADS SHALL BE 3000 PSI CONCRETE WITH #4 REBAR 6" ON CENTER BOTH DIRECTIONS.
13. EQUIPMENT SHALL NOT BE USED FOR TEMPORARY HEATING AND COOLING AND SHALL NOT BE RUN EXCEPT FOR TESTING AND BALANCING UNTIL THE BUILDING IS DRIED IN, CLEAN AND ALL FINISHING WITHIN THE SPACE IS COMPLETE. OPERATING THE SYSTEM PRIOR TO HAVING A CLEAN BUILDING WILL REQUIRE THE SYSTEMS TO BE CLEANED TO LIKE NEW CONDITION.
14. CONTRACTOR SHALL BALANCE AIR SYSTEM OUTLETS TO QUANTITIES INDICATED WITHIN $\pm 10\%$ AS NOTED ON PLANS IN ACCORDANCE WITH PROCEDURES CONTAINED IN AABC OR SMACNA. AND PROVIDE CERTIFIED TYPE WRITTEN TAB REPORT WITH O&M MANUALS. SUPPLY, RETURN, AND EXHAUST FANS SHALL BE PLUS 10% OR MINUS 0%. AIR FLOW AND STATIC PRESSURE SHALL BE MEASURED AND RECORDED FOR ALL OUTLETS. TAB FIELD SUPERVISOR AND TECHNICIAN SHALL BE CERTIFIED BY AABC. REPORT ANY DEFICIENCIES DISCOVERED BEFORE OR DURING TAB PROCEDURES. VERIFY LEAKAGE AND PRESSURE TEST HAVE BEEN SATISFACTORILY COMPLETED.
15. ALL EQUIPMENT & SYSTEMS SHALL BE WASHED, MECHANICAL AREAS CLEANED AND PAINTED SURFACES TOUCHED UP TO MATCH FACTORY APPLIED FINISHES. AIR HANDLERS SHALL BE VACUUMED AND WIPED CLEAN ON THE INSIDE PRIOR TO TURNING THE PROJECT OVER TO THE OWNER. ENTIRE SYSTEMS INCLUDING DUCTWORK THAT HAVE NOT BEEN ADEQUATELY PROTECTED DURING INSTALLATION WILL REQUIRE ADDITIONAL CLEANING AT THE END OF THE PROJECT.
16. CONTRACTOR SHALL COVER EACH RETURN OPENING LOCATION & EACH AIR HANDLER FILTER RACK WITH MERV 8 PLEATED FILTER MEDIA BEFORE STARTUP OF MECHANICAL SYSTEMS. CONTRACTOR SHALL ALSO INSTALL A NEW SET OF MERV 8 PLEATED FILTERS AT EACH PERMANENT FILTER LOCATION BEFORE TURNING BUILDING OVER TO OWNER.
17. CONTRACTOR SHALL PROVIDE BUILDING OWNER WITH A COMPLETE OPERATING & MAINTENANCE MANUAL AS REQUIRED BY THE NC ENERGY CODE 503.2.9.2 INCLUDING EQUIPMENT BASIC DATA, CONTROL INFORMATION, ROUTINE MAINTENANCE ACTIONS AND SERVICE AGENCIES NAME, PHONE NUMBER & ADDRESS.
18. GUARANTEE ALL EQUIPMENT, MATERIALS AND INSTALLATION FREE OF DEFECTS FOR A PERIOD OF 1-YEAR AFTER RECEIVING CERTIFICATE OF OCCUPANCY. EXTENDED GUARANTEES ON EQUIPMENT SHALL BE AS PUBLISHED ON MANUFACTURER'S EXTENDED WARRANTIES.

1. FABRICATE AND INSTALL DUCT PER SMACNA STANDARDS FOR 3-INCH WC UPSTREAM OF AIR TERMINALS AND 2-INCH WC FOR ALL OTHER DUCTWORK. FOR INTERIOR LOCATIONS, USE GALVANIZED METAL MINIMUM G-60 (26 GAUGE MINIMUM). SEAL ALL LONGITUDINAL AND TRAVERSE JOINTS AS REQUIRED BY CURRENT SMACNA AND ENERGY CODE STANDARDS FOR MINIMUM OF WC INDICATED ABOVE
2. WHERE RECTANGULAR DUCT IS INDICATED, RADIUS ELBOWS & TEES SHALL HAVE CENTERLINE RADIUS OF 1.5 X DUCT WIDTH. SQUARE ELBOWS SHALL INCLUDE TURNING VANES. ALL DUCT JOINTS, SEAMS & BRANCH TAKEOFFS SHALL BE SEALED AIR-TIGHT WITH DUCT SEALANT EQUAL TO HARDCAST IRON-GRIP. ROLLED FORM FLANGE TYPE JOINTS WITH GASKETS BOLTED CORNERS AND CLIPS MAY BE USED PROVIDING AN AIR TIGHT SEAL AND RE-INFORCING.
3. PRIOR TO FABRICATION, MECHANICAL CONTRACTOR SHALL FIELD VERIFY STRUCTURAL OBSTRUCTIONS & CEILING SPACE LIMITATIONS AND MAKE NECESSARY DUCT MODIFICATIONS INCLUDING CHANGING OF ASPECT RATIOS, ADDING OFFSETS, AND SHIFTING LOCATIONS. PROTECT DUCT BY STORING IN A CLEAN AND DRY ENVIRONMENT PRIOR TO INSTALLATION. COVER ENDS OF EXPOSED WORK AT THE END OF EVERY SHIFT.
4. FLEX DUCT SHALL BE FACTORY INSULATED, HAVE ACOUSTICAL INNER CORE AND HAVE METALIZED VAPOR BARRIER. SEAL FLEX TO HARD CONNECTIONS WITH MASTIC. BOTH ENDS SHALL BE SECURED WITH NYLON BANDS AND METALIZED DUCT TAPE PER MFG'S RECOMMENDATIONS AND IN ACCORDANCE WITH U.L. 181B. BEND RADIUS SHALL NOT BE LESS THAN ONE DUCT DIAMETER. PROVIDE "FLEX/FLOW ELBOW" SUPPORT BY THERMAFLEX, OR EQUAL, AT EACH DIFFUSER. SUSPEND FLEXIBLE DUCTS WITH BANDS 1-1/2 INCHES WIDE OR WIDER AND SPACED A MAXIMUM OF 48 INCHES APART. MAXIMUM CENTERLINE SAG BETWEEN SUPPORTS SHALL NOT EXCEED 1/2 INCH PER 12 INCHES. DO NOT BEND DUCTS ACROSS SHARP CORNERS. AVOID CONTACT WITH METAL FIXTURES, CEILING GRIDS, WATER LINES, PIPES, OR CONDUITS.
5. RIGID ROUND AND RECTANGULAR DUCT SHALL BE EXTERNALLY INSULATED WITH 3/4 LB. DENSITY FIBERGLASS BLANKET WITH FSK VAPOR BARRIER. STAPLE AND SEAL ALL JOINTS WITH 3-INCH WIDE METALIZED DUCT TAPE EQUAL TO SHURFLEX SF-683.
6. PROVIDE 1/2-INCH, 1.5 LB. DENSITY ACOUSTICAL LINER AT EACH A/C UNIT SUPPLY AND RETURN CONNECTION FOR SOUND ATTENUATION. TERMINATE LINER AT 10-FT. FROM UNIT, AT FIRST ELBOW OR AS NOTED ON PLANS. LINER SHALL BE INSTALLED WITH PINS & ADHESIVE AS RECOMMENDED BY MFG. & SMACNA. DUCT SIZES OR PLANS ARE METAL DIMENSIONS AND INCLUDE ALLOWANCES FOR LINER. DUCT SHALL BE WRAPPED WITH INSULATION IN ADDITION TO ACOUSTICAL LINER.
7. INSULATE & SEAL ALL GRILLE & DIFFUSER NECKS TO MAINTAIN VAPOR BARRIER AND ELIMINATE CONDENSATION. PROVIDE SUPPLY DIFFUSERS WITH EITHER MOLDED FIBERGLASS BACK INSULATION OR A SEPARATE INSULATION BLANKET.

1. PROVIDE SUBMITTALS FOR ALL PIPING SYSTEMS INCLUDING PIPE, FITTINGS, VALVES, HANGERS, BUILDING ATTACHMENTS, ETC.
2. ALL PIPING SHALL BE SUPPORTED & SECURED WITH SUITABLE HANGERS, STRAPS OR PIPE STANDS. SUPPORT WITH NO DROOPS OR SAGS. ALL HANGERS AND ATTACHMENTS SHALL BE PLATED, GALVANIZED OR PAINTED. PROVIDE ISOLATION ON PIPING OF DISSIMILAR MATERIALS.
3. CONDENSATE TRAPS FOR ALL AC UNITS SHALL BE SIZED AS RECOMMENDED BY UNIT MANUFACTURER'S. CONDENSATE PIPING SHALL BE SCHEDULE 40 PVC ROUTED TO DRYWELL OR STORM DRAIN. INSULATE WITH FLEXIBLE ELASTOMERIC INSULATION. SEAL ALL JOINTS AND SEAMS TO PREVENT CONDENSATION.
4. REFRIGERANT PIPING SHALL BE TYPE ACR COPPER WITH SILVER SOLDERED JOINTS. INSTALL PER EQUIPMENT INSTALLATION INSTRUCTIONS. INSULATION SHALL BE FLEXIBLE ELASTOMERIC INSULATION. SEAL ALL JOINTS AND SEAMS TO PREVENT CONDENSATION. PROTECT EXTERIOR INSULATION FROM SOLAR DETERIORATION WITH UV COATING. ROUTE REFRIGERANT PIPING ABOVE CEILINGS AND WITHIN DUCT CHASES. PIPING TO PENETRATE ROOF ADJACENT TO CONDENSING UNIT.

	RIGID RECTANGULAR DUCT
	RIGID ROUND DUCT
	FLEXIBLE DUCT
	90° ELBOW WITH TURNING VANES
	FLEXIBLE CONNECTION
	MANUAL VOLUME DAMPER
	LAY-IN SUPPLY DIFFUSER
	LAY-IN RETURN/EXHAUST GRILLE
	ROOF CAP, INTAKE
	ROOF CAP, EXHAUST
	CEILING EXHAUST FAN
	WALL T-STAT/SENSOR
	AIR DISTRIBUTION MARK "B", 200 CFM
	EQUIPMENT MARK (SEE SCHEDULES)
	FLOW DIRECTION ARROW
	CONDENSATE PIPING
	REFRIGERANT PIPING
	UNION
	REDUCER
ABBREVIATIONS:	
G.C.	GENERAL CONTRACTOR
P.C.	PLUMBING CONTRACTOR
M.C.	MECHANICAL CONTRACTOR
E.C.	ELECTRICAL CONTRACTOR
ECM	ELECTRONICALLY COMMUTATED MICROPROCESSOR
AFB	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
UNO	UNLESS NOTED OTHERWISE
BOD	BOTTOM OF DUCT
TOD	TOP OF DUCT

	MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT	
	METHOD OF COMPLIANCE:	
NC ENERGY CODE (2018)	PREScriptive ☒	PERFORMANCE ☐
ASHRAE 90.1 (2016)	PREScriptive ☐	PERFORMANCE ☐
THERMAL ZONE	4A	
EXTERIOR DESIGN CONDITIONS		
WINTER DRY BULB	24 °F	
SUMMER DRY BULB	93 °F	
INTERIOR DESIGN CONDITIONS		
WINTER DRY BULB	74°F	
SUMMER DRY BULB	75°F	
RELATIVE HUMIDITY	50%	
BUILDING HEATING LOAD	20.5 MBH	
BUILDING COOLING LOAD	3 TONS	
MECHANICAL CONDITIONING SYSTEM		
UNITARY		
DESCRIPTION OF UNIT	SPLIT SYSTEM HEAT PUMP	
HEATING EFFICIENCY	8.5 HSPF	
COOLING EFFICIENCY	15 SEER	
HEAT OUTPUT OF UNIT	41 MBH	
COOLING OUTPUT OF UNIT	3 TONS	
LIST EQUIPMENT EFFICIENCIES SEE MECHANICAL SCHEDULES		



**NC HIGHWAY 58 S
JONES COUNTY, NC
28585**

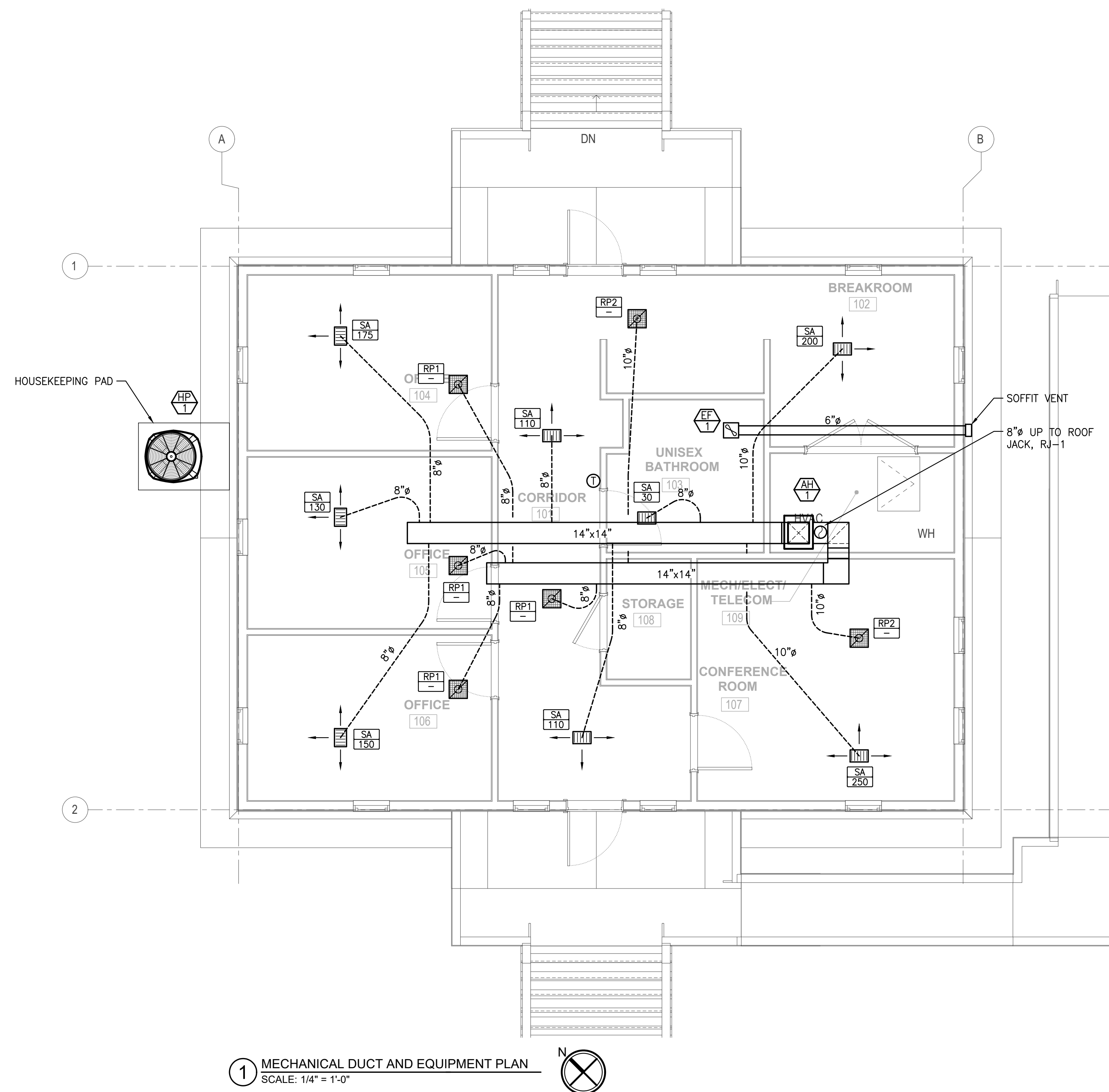
**ISSUED FOR
CONSTRUCTION
SCO# 23-26839-01B**

[illegible]

Scale
AS NOTED
Drawing Title

Sheet Number
1 Of 4

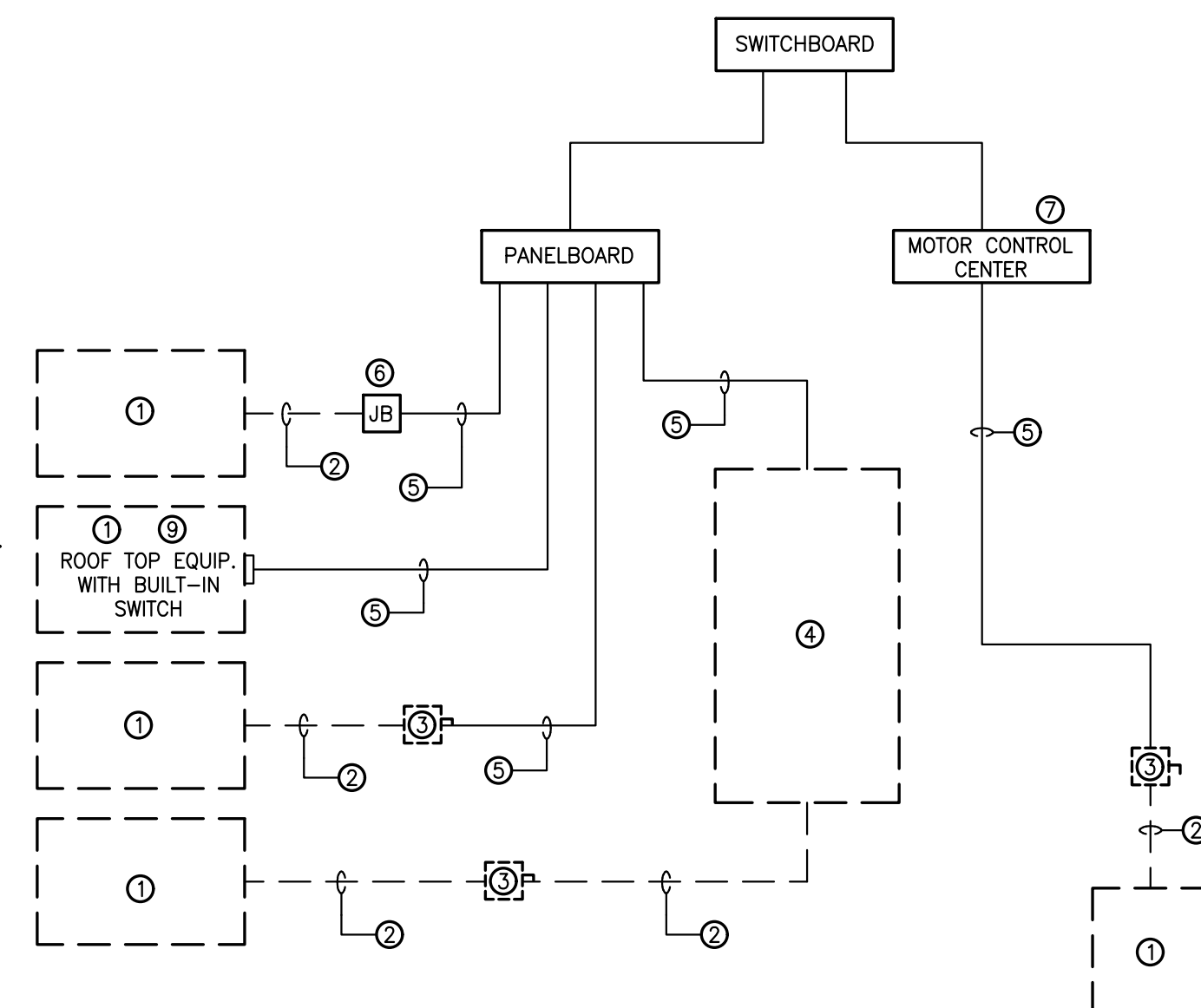
M-001



GENERAL NOTE:

1. IT IS RECOMMENDED THE HVAC SYSTEM BE OPERATED ABOVE 68 DEGREES DURING COOLING TO MINIMIZE HUMIDITY WITHIN THE SPACE. THE THERMOSTAT SETTING FOR FAN OPERATION SHALL BE SET TO "AUTO".

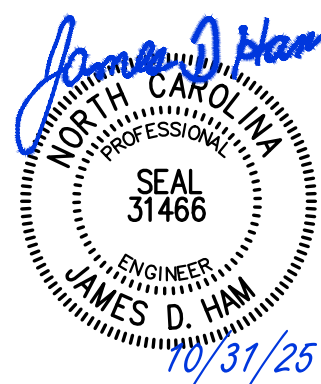
[illegible]





P.O. BOX 11527 NC LIC #: C-113
GOLDSBORO, NC 27532
TEL: (919) 778-9064

PROJECT NO. 224007	PROJECT MGR. D. HAM	DRAWN BY D. HILL
-----------------------	------------------------	---------------------



**New NC Forest
Service County
Office for Jones
County**

**NC HIGHWAY 58 S
JONES COUNTY, NC
28585**

**ISSUED FOR
CONSTRUCTION
SCO# 23-26839-01E**

Project Number	Date
2318.NCFS	10/31/23
Drawn	Checked

Scale
AS NOTED
Drawing Title

MECHANICAL SCHEDULES

Sheet Number
4 Of 4

M-301

 HEAT PUMP (INDOOR UNIT) SCHEDULE																	
MARK	SUPPLY FAN					NOMINAL COOLING CAPACITY				AUX. HEAT	VOLT/PH	FLA	MCA	MOCAP	REF. MANF.	REF. MODEL	WEIGHT
	SA	CFM	OA	CFM	EXT SP	MTR	HP	EAT(DB/WB)	TOA	CFM							
AH-1	1200	150	0.5"	1/2			76°/65°	35.4 MBH	27.8 MBH	5.8 kW	208/1 ϕ	24	30	30A	TRANE	GAM5A0B36	144 LBS.

NOTES:

1. PROVIDE THE FOLLOWING OPTIONS AND ACCESSORIES:
- SINGLE POINT WIRING CONNECTION
 - TXV MATCHING CONDENSER CAPACITY
 - 7-DAY PROGRAMMABLE THERMOSTAT WITH LOCKOUT FUNCTION
 - ECM FAN MOTORS

 HEAT PUMP (OUTDOOR UNIT) SCHEDULE												
MARK	EAT(DB)	NOM CAP	VOLT/PH	FLA	MCA	MOCP	MIN. SEER	HSPF	REF. MANF.	REF. MODEL	WEIGHT	
HP-1	95°	3.0 TONS	208/1Ø	14	18	30A	15.0 SEER	8.5	TRANE	4TWR5036	230 LBS.	

NOTES:

1. PROVIDE THE FOLLOWING OPTIONS AND ACCESSORIES:
 - 5 YEAR COMPRESSOR WARRANTY
 - COMPRESSOR ANTI SHORT CYCLE DELAY
 - CRANKCASE HEATERS
 - HIGH AND LOW PRESSURE SWITCHES
 - OUTDOOR THERMOSTAT
 - LOW AMBIENT CONTROL TO 55°
 - LOW AMBIENT CONTROL TO 30° OPTION
 - SPECIALTIES FOR LONG-LINE APPLICATION
 - EXTREME CONDITION MOUNT KIT
2. M.C. SHALL COORDINATE PRODUCT SPECIFIC ELECTRICAL REQUIREMENTS WITH E.C.

 EXHAUST FAN SCHEDULE											
MARK	TYPE	CFM	ESP	WATTS	VOLT/PH	REF. MANF.	REF. MODEL	*SONES	WEIGHT	NOTES	CONTROL
EF-1	CEILING	70	0.25"	17	120/1Ø	GREENHECK	SP-A90	0.4	12 LBS	1.2	A

NOTES

1. PROVIDE WITH ROOF CAP AS SHOWN ON PLANS.
2. PROVIDE WITH BACKDRAFT DAMPER.
- * SONE LEVELS SHALL NOT EXCEED LEVELS LISTED IN SCHEDULE
ESP - STATIC PRESSURE EXTERNAL TO THE FAN ASSEMBLY
TSP - TOTAL STATIC PRESSURE INCLUDING FAN ACCESSORIES

[illegible]

- #### A. INTERLOCK WITH ROOM LIGHTING CONTROL BY EC.

EnTech		ROOF CAP SCHEDULE						
MARK	USAGE	CFM RANGE	SP DROP	SIZE	MATERIAL	REF. MANF.	REF. MODEL	NOTES
RJ-1	INTAKE	0-220	0.06"	6" x 9"	STEEL	GREENHECK	RJ-6X9	1

NOTES:

1. PROVIDE WITH BIRDSCREEN & FLASHING FLANGE

MECHANICAL PIPING INSULATION TABLE						
SERVICE	LOCATION	MATERIAL TYPE	JACKET TYPE	PIPE SIZE	THICKNESS	REMARKS
REFRIGERATION SUCTION PIPING	BUILDING ENVELOPE	CLOSED CELL ELASTOMERIC	NONE	ALL	3/4"	SEAL ALL JOINTS & SEAMS TO PREVENT CONDENSATION
	UNCONDITIONED SPACE	CLOSED CELL ELASTOMERIC	NONE	ALL	1 1/2"	SEAL ALL JOINTS & SEAMS TO PREVENT CONDENSATION
	EXTERIOR	CLOSED CELL ELASTOMERIC	NONE	ALL	1 1/2"	PROVIDE WITH WHITE UV PROTECTIVE COATING
A/C CONDENSATE PIPING	BUILDING ENVELOPE	CLOSED CELL ELASTOMERIC	NONE	ALL	3/4"	—
	VENTILATED ATTIC OR CRAWLSPACE	CLOSED CELL ELASTOMERIC	NONE	ALL	3/4"	(NONE REQUIRED FOR EXTERIOR)

NOTES: ALL PIPE HANGERS AND SUPPORTS ON COLD PIPING SHALL BE OF CLEVIS TYPE ON OUTSIDE OF INSULATION TO MAINTAIN VAPOR BARRIER.

MECHANICAL DUCT INSULATION TABLE						
SERVICE	LOCATION	MATERIAL TYPE	JACKET TYPE	R-VALUE	THICKNESS	REMARKS
RIGID METAL SUPPLY DUCT	BUILDING ENVELOPE	FIBERGLASS BLANKET	FSK	R-6.0	2.2"	R-VALUE BASED ON NOMINAL RATING AS INSTALLED
	VENTILATED ATTIC OR CRAWLSPACE	FIBERGLASS BLANKET	FSK	R-8.0	3"	R-VALUE BASED ON NOMINAL RATING AS INSTALLED
	EXPOSED	FIBERGLASS DUCT LINER	-	R-4.0	1"	SUPPLY DUCTS INDICATED AS LINED
RIGID METAL RETURN DUCT	CONDITIONED SPACE	(NONE REQUIRED)				
	BUILDING ENVELOPE	FIBERGLASS BLANKET	FSK	R-6.0	2.2"	R-VALUE BASED ON NOMINAL RATING AS INSTALLED
	VENTILATED ATTIC OR CRAWLSPACE	FIBERGLASS BLANKET	FSK	R-8.0	3"	R-VALUE BASED ON NOMINAL RATING AS INSTALLED
EXHAUST DUCT	ALL	(NONE REQUIRED)				
FLEXIBLE SUPPLY DUCT	BUILDING ENVELOPE	FIBERGLASS	REINFORCED METALIZED PROTECTIVE BARRIER	R-6.0	2"	
	VENTILATED ATTIC OR CRAWLSPACE	FIBERGLASS	REINFORCED METALIZED PROTECTIVE BARRIER	R-8.0	2 1/2"	
FLEXIBLE RETURN DUCT	BUILDING ENVELOPE	FIBERGLASS	REINFORCED METALIZED PROTECTIVE BARRIER	R-6.0	2"	
	VENTILATED ATTIC OR CRAWLSPACE	FIBERGLASS	REINFORCED METALIZED PROTECTIVE BARRIER	R-8.0	2 1/2"	

AIR DISTRIBUTION SCHEDULE											
MARK	TYPE		MNT.	SIZE	NECK	PATTERN	MAT'L	FINISH	MANF.	MODEL	REMARKS
SA	CEILING REGISTER WITH ADJUSTABLE MULTI-SHUTTER DAMPER		SURF	12"x8"	—	3-WAY	ALUM.	WHITE	H&C	683	—
RP1	RETURN	PERFORATED FACE	SURF	12"x12"	9"x9"x8"ø	—	ALUM.	WHITE			BLACK BACK PAN
RP2	RETURN	PERFORATED FACE	SURF	15"x15"	12"x12"x10"ø	—	ALUM.	WHITE			BLACK BACK PAN

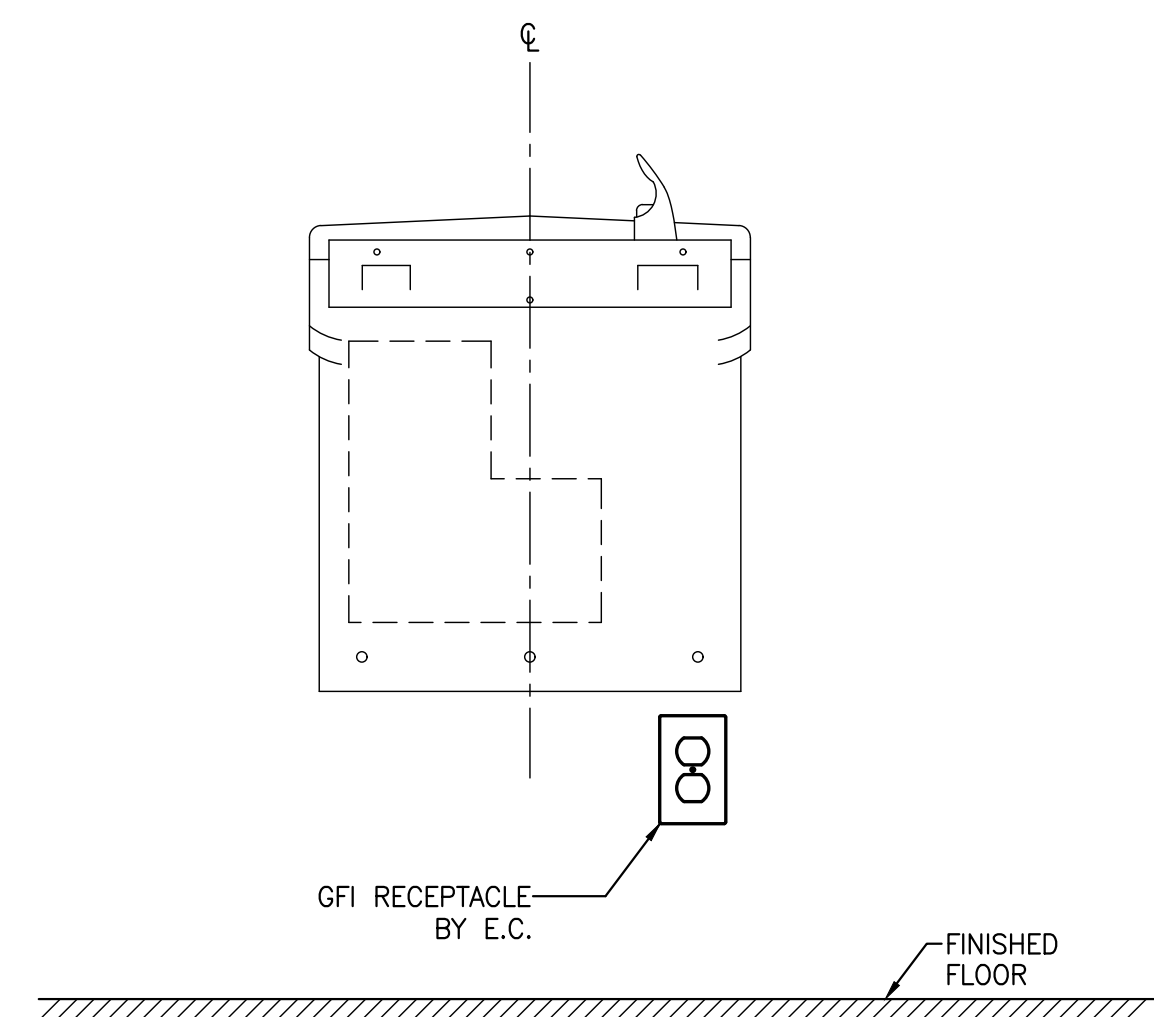
NC HIGHWAY 58 S
JONES COUNTY, NC
28585

[illegible]

E-101

This detailed floor plan illustrates the second floor of the building, including the following rooms and features:

- Rooms:** OFFICE 104, OFFICE 105, OFFICE 106, BREAKROOM 102, UNISEX BATHROOM 103, CORRIDOR 101, STORAGE 108, MECH/ELECT/TELECOM 109, and CONFERENCE ROOM 107.
- Equipment and Symbols:**
 - HP-1:** Housekeeping Pad located outside Office 104.
 - AH-1:** Air Handling Unit located in the Mech/Elect/Telecom room.
 - WH-1:** Water Heater located in the Mech/Elect/Telecom room.
 - Phoneboard and Phone Cabinet:** Located in the Corridor 101.
 - METER and PANEL A:** Located on the exterior wall near the Utility Transformer.
 - Domestic BFP:** Domestic Backflow Preventer located outside the building.
 - HP-2:** Sewage Pump Control Panel located outside the building, with arrows pointing to A-9, A-11, A-13, 15, and A-17, 19.
- Electrical Symbols:** Various symbols for air conditioning units (A-16, A-18, A-20, A-22, A-24, A-26, A-34, A-39, 41, A-40), lighting (A-13, A-16, A-18, A-20, A-22, A-24, A-26, A-34, A-39, 41, A-40), and other electrical components are distributed throughout the plan.
- Orientation:** The plan includes a North arrow pointing towards the top of the page and a staircase labeled "DN" (Down) at the top center.



2 ELECTRIC WATER COOLER INSTALLATION
SCALE: N.T.S.

PROJECT NO. 224007 PROJECT MGR. D. HAM DRAWN BY D. HILL



**ISSUED FOR
CONSTRUCTION
SCO# 23-26839-01B**

Project Number	Date
2318.NCFS	10/31/25
Drawn	Checked

ELECTRICAL PLANS

Drawing Number

E-102

1. PROVIDE WALL SWITCH AT BASE OF ATTIC STAIRS. PROVIDE (2) 4FT LED STRIP LIGHTS IN ATTIC. COORDINATE LOCATION WITH PLATFORMS AND HVAC DUCTS.



**New NC Forest
Service County
Office for Jones
County**

NC HIGHWAY 58 S
JONES COUNTY, NC
28585

ISSUED FOR
CONSTRUCTION
SCO# 23-26839-01B

Project Number	Date
2318.NCFS	10/31/25
Drawn	Checked

Scale
AS NOTED
Drawing Title

ELECTRICAL SCHEDULES

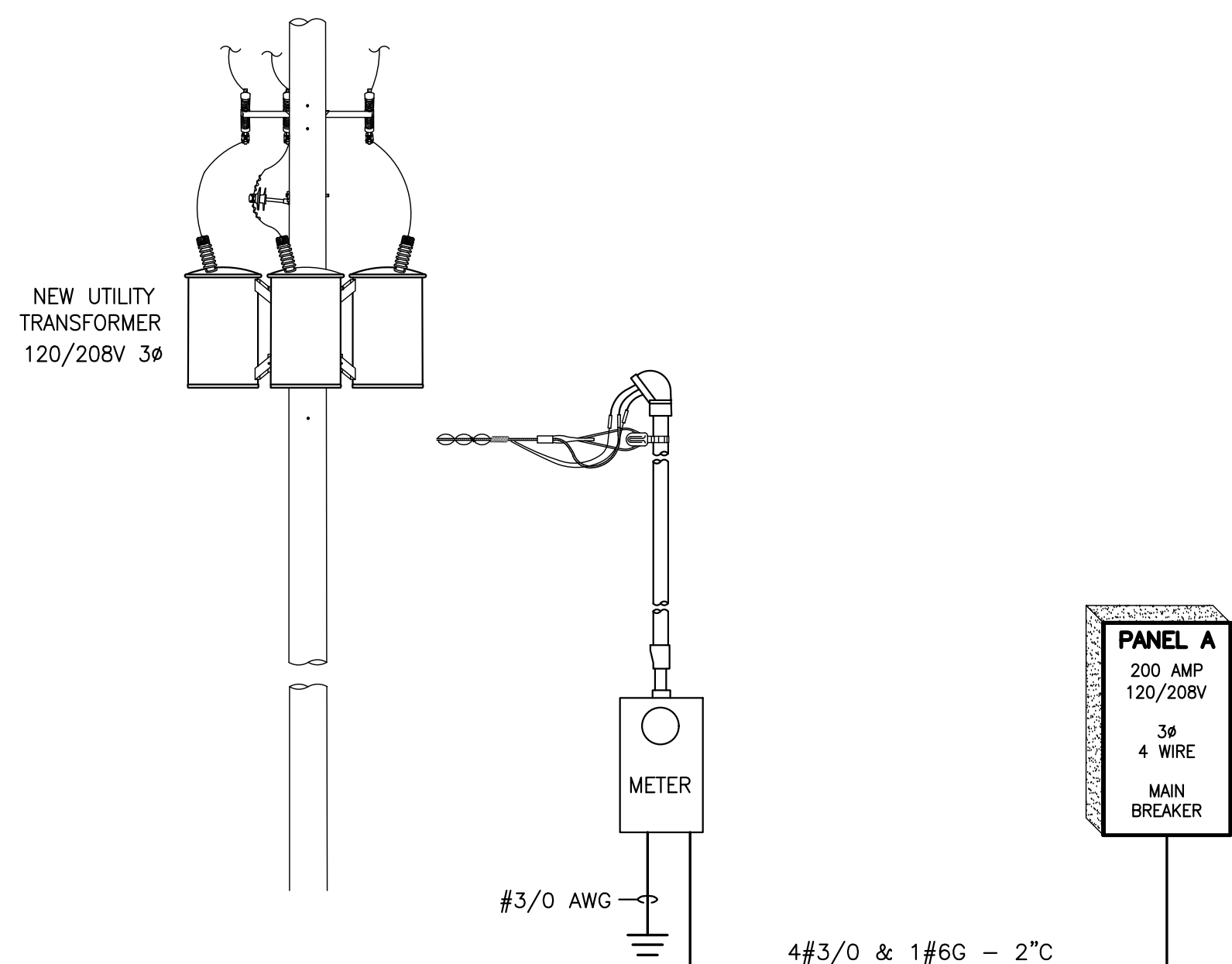
Sheet Number
5 Of 5

Drawing Number

E-301

SERVICE LOAD SUMMARY					
OCCUPANCY TYPE - OFFICE			BUILDING AREA - 1,150 SQUARE FEET		
CONTINUOUS LOAD DESCRIPTION	LOAD (KVA)	NEC REFERENCE	DEMAND FACTOR	NEC REFERENCE	LOAD (KVA)
INDOOR LIGHTING	1.5	TABLE 220.12	100%	TABLE 220.42	1.5
OUTDOOR LIGHTING	0.2	--	100%	--	0.2
AIR HANDLER FANS (SPLIT SYSTEMS)	1.0	ARTICLE 440	100%	--	1.0
AIR HANDLER ELECTRIC HEAT	7.2	422.12	100%	--	7.2
HVAC OUTDOOR UNIT	3.1	ARTICLE 440	100%	--	3.1
WATER HEATERS	4.5	422.13	100%	--	4.5
SEWAGE PUMPS (NON-CONCURRENT)	1.8	430	100%	--	1.8
FUTURE POLE BARN AND SHED	10.0	422.13	100%	--	10.0
SUBTOTAL CONTINUOUS LOADS					29.3
				230.42 A 1	x 125%
				CONT. LOAD TOTAL	36.6
NON CONTINUOUS LOAD DESCRIPTION					
RECEPTACLES UP TO 10 KVA	5.4	220.14 1	100% OF 1st 10 KVA		5.4
RECEPTACLES OVER 10 KVA	0.0	220.14 1	50% ABOVE 10 KVA		0.0
MISC. LOADS	3.0	--	NONCONTINUOUS LOAD x 100%		3.0
MISC. LOADS	0.0	--	NONCONTINUOUS LOAD x 100%		0.0
SUBTOTAL NON-CONTINUOUS LOADS					8.4
TOTAL CONTINUOUS AND NON CONTINUOUS LOADS					45.0
FAULT CURRENT @ TRANSFORMER SECONDARY TERMINALS			SERVICE LOAD		
$\frac{45 \text{ KVA (X-FORMER)}}{0.208 \times \sqrt{3} \times 1.5\%Z} = 8,300 \text{ AMPS}$			$\frac{45 \text{ KVA}}{0.208 \times \sqrt{3}} = 125 \text{ AMPS}$		

NOTE: CONTRACTOR SHALL PROVIDE LABEL AT THE SERVICE EQUIPMENT INDICATING THE AVAILABLE FAULT CURRENT PER NEC 110.24. ENGINEER WILL PROVIDE CONTRACTOR LABEL DATA FOR FAULT CURRENT AFTER RECEIVING THE FOLLOWING: FINAL UTILITY TRANSFORMER SIZE AND IMPEDANCE VALUE (%Z), SERVICE CONDUCTOR LENGTH, QUANTITY PER PHASE, AND CONDUCTOR MATERIAL (COPPER OR ALUMINUM).



1 ELECTRICAL PANEL RISER
SCALE: N.T.S.

enrich			PANEL BOARD SCHEDULE														
PANEL A		SURFACE MOUNTED				SERVICE ENTRANCE RATED				200 AMP (FEEDER SIZE)				3ø, 4 WIRE			
MAIN BREAKER		BOTTOM FEED				10K AIC				120/208 VOLT				BOLT ON BREAKER			
NEMA 1		COPPER BUS								200 AMP (BUS RATING)				SURGE PROTECTION			
LOAD SERVED	WIRE SIZE	CONDUIT SIZE	LOAD (AMPS)	A	B	C	CKT NO.	PHASE	A	B	C	CKT NO.	LOAD (AMPS)	CONDUIT SIZE	WIRE SIZE	LOAD SERVED	
HP-1	2#10 & 1#10G	3/4"	15				1	30				2	7	3/4"	2#12 & 1#12G	LIGHTS	
				15	3			20				4	1	3/4"	2#12 & 1#12G	EXTERIOR LIGHTS	
AH-1	3#10 & 1#10G	3/4"				24	5	30	•			6	-	-	-	SPARE	
						7		20				8	-	-	-	SPARE	
PUMP CONTROL	2#12 & 1#12G	1"		2	9			20				10	-	-	-	SPARE	
PUMP CONTROL	2#12 & 1#12G	1"		2	11			20				12	-	-	-	SPARE	
SEWAGE PUMP	2#12 & 1#12G	1"	7				13	20				14	-	-	-	SPARE	
				7	15			20				16	12	3/4"	2#12 & 1#12G	OFFICE 104,105 RECPT	
SEWAGE PUMP	2#12 & 1#12G	1"				7	17	20				18	9	3/4"	2#12 & 1#12G	OFFICE 106 RECPT	
				7			20				20	9	3/4"	2#12 & 1#12G	CONF 107 RECPT		
SPARE	-	-	-	-			19	20				22	11	3/4"	2#12 & 1#12G	BREAKROOM RECPT	
SPARE	-	-	-	-			23	20				24	3	3/4"	2#12 & 1#12G	BREAKROOM RECPT	
SPARE	-	-	-	-			25	60				26	6	3/4"	2#12 & 1#12G	REFRIGERATOR	
FUTURE POLE BARN	-	1"	-			-	27	30				28	-	-	-	SPARE	
			-	29			20				30	-	-	-	SPARE		
FUTURE STORAGE BARN	-	1"	-			-	31	20				32	-	-	-	SPARE	
			-	33			20				34	4	3/4"	2#12 & 1#12G	WATER COOLER		
SPARE	-	-	-	-			35	20				36	-	-	-	SPARE	
SPARE	-	-	-	-			37	20				38	-	-	-	SPARE	
WH-1	2#10 & 1#10G	3/4"				22	39	30				40	12	1"	2#8 & 1#8G	DOMESTIC BFP	
						22	41			20			42	2	3/4"	2#12 & 1#12G	PHONEBOARD

COORDINATE HVAC BREAKERS AND WIRE SIZES WITH HVAC SUBMITTALS
COORDINATE BREAKERS AND WIRE SIZES FOR OWNER FURNISHED EQUIPMENT WITH SUBMITTALS
PROVIDE SEPARATE NEUTRALS FOR ALL CIRCUITS.

1. PROVIDE WITH CLASS "A" (5mA) GFCI BREAKER (UL 943).
2. WIRE THROUGH PHOTOCELL.

SURGE PROTECTION NOTES:

1. SURGE SUPPRESSION SHALL BE RATED AS FOLLOWS:
 - FACTORY INSTALLED AS AN INTEGRAL PART OF INDICATED PANELBOARDS, COMPLYING WITH UL 1449, 5TH EDITION, SPD TYPE 2
 - SINGLE-PHASE-TO-GROUND CURRENT WITH STANDING RATING PER PHASE SHALL NOT BE LESS THAN 250KA FOR SURGE ENTRANCE PANELS AND 150KA FOR SUB-PANELS. THE PEAK SURGE CURRENT RATING SHALL BE THE ARITHMETIC SUM OF THE RATINGS OF THE INDIVIDUAL MOVES IN A GIVEN MOVE.
 - 400VOLT VOLTAGE-TO-GROUND TEST VOLTAGE SHALL BE CAT C1 (6KV, 3KA)
 - 400V FOR 208V PANEL AND 800V FOR 480V PANELS
 - PROTECTION MODES AND UL1449SPV SHALL BE: 700V LINE TO NEUTRAL, 700V LINE TO GROUND, 800V NEUTRAL TO GROUND, & 1000V LINE TO LINE.
 - SHORT CIRCUIT CURRENT RATING GREATER THAN PANELBOARD
 - NOMINAL RATING OF 20KA.

	CONNECTED LOAD (KVA)	DEMAND FACTOR	DEMAND LOAD (KVA)
INDOOR LIGHTING	= 0.8	100%	= 0.8
OUTDOOR LIGHTING	= 0.1	100%	= 0.1
RECEPTACLES (1ST 10 KVA)	= 5.3	100%	= 5.3
RECEPTACLES (ABV 10 KVA)	= 8.1	50%	= 4.05
HVAC	= 5.1	100%	= 5.1
HVAC (NON-COINCIDENTAL)	=	0%	=
WATER HEATERS	= 4.6	100%	= 4.6
DEDICATED RECP/EQUIP	= 3.2	100%	= 3.2
TOTALS:	= 22.2 KVA		= 22.2 KVA
MINIMUM PANEL SIZE:	22 KVA X 125% = 28 KVA		(78 AMPS)
GROSS PHASE TOTALS (AMPS)	A = 75	B = 84	C = 69

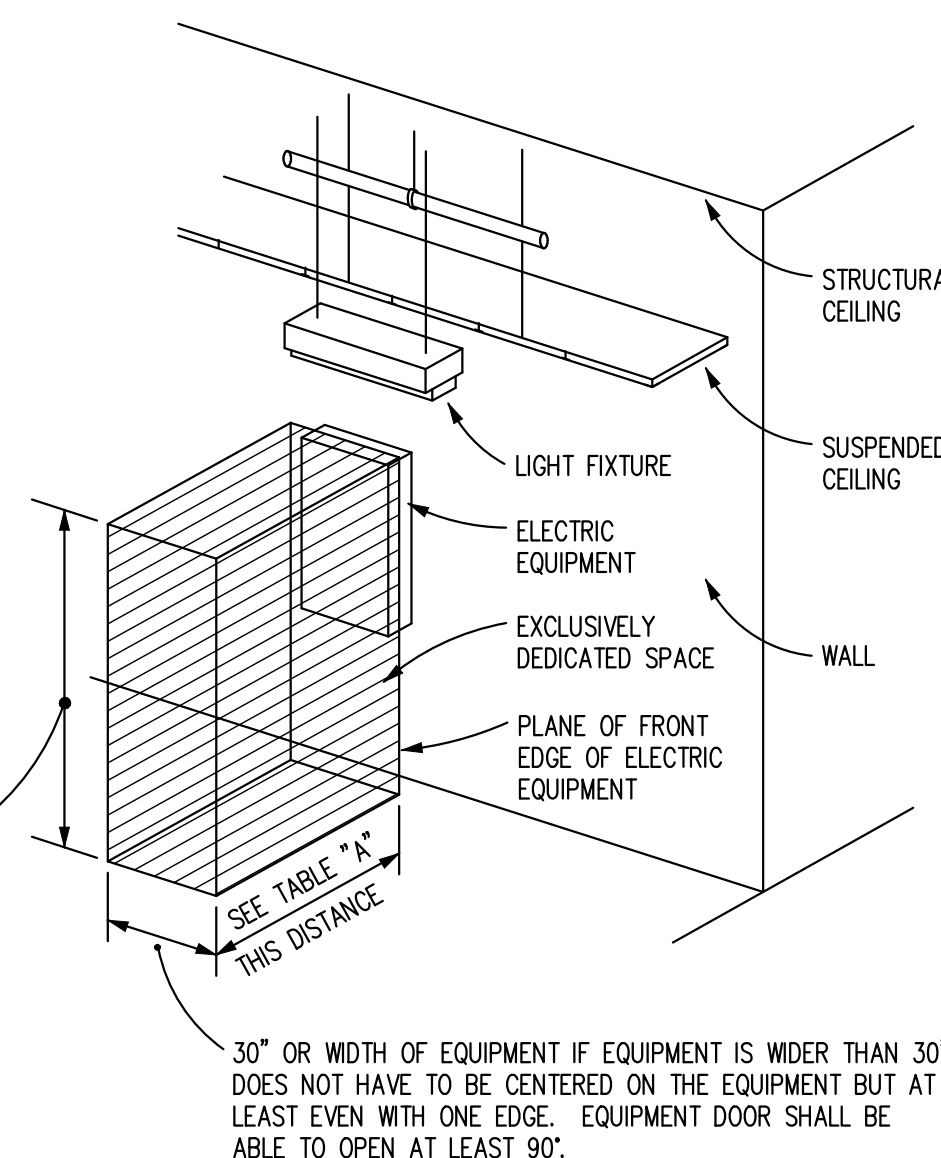
TABLE "A"			
WORKING CLEARANCES			
VOLTAGE TO GROUND	CONDITION: 1	2	3
(NOMINAL)	(MINIMUM CLEAR DISTANCE)		
0-150	3'	3'	3'
151-600	3'	3 1/2'	4'

WHERE THE "CONDITIONS" ARE AS FOLLOWS:

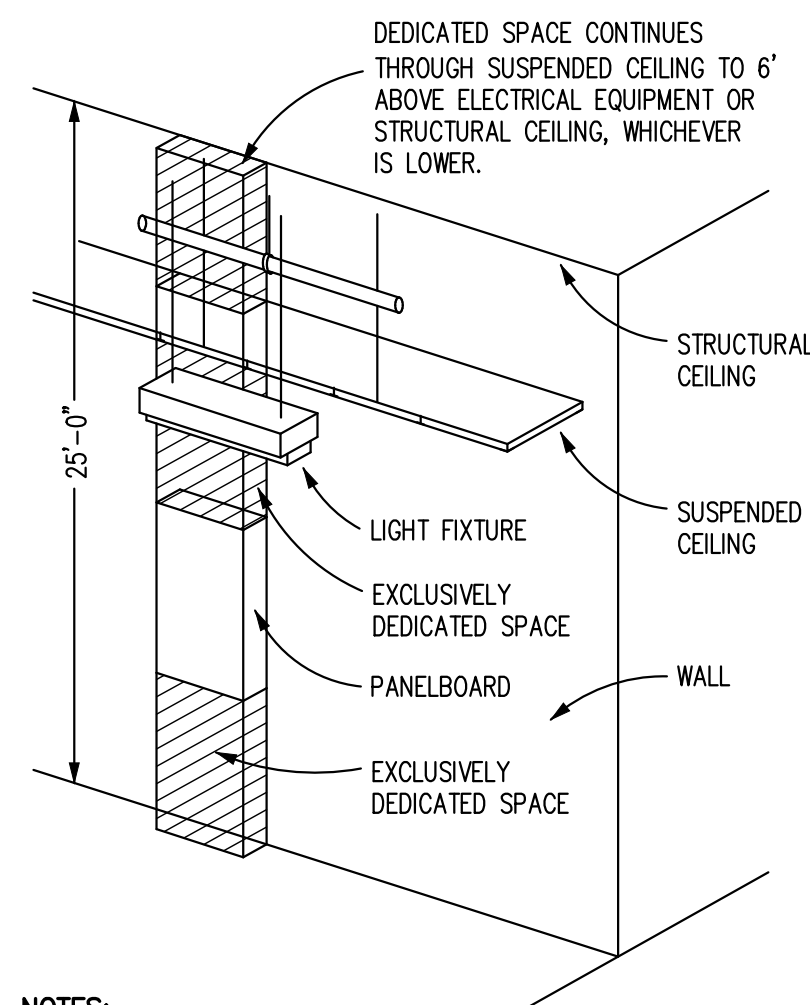
1. EXPOSED LIVE PARTS ON ONE SIDE AND NO LIVE OR GROUNDED PARTS ON THE OTHER SIDE OF THE WORKING SPACE, OR EXPOSED LIVE PARTS ON BOTH SIDES EFFECTIVELY GUARDED BY SUITABLE WOOD OR OTHER INSULATING MATERIALS. INSULATED WIRE OR INSULATED BUSBARS OPERATING AT NOT OVER 300 VOLTS SHALL NOT BE CONSIDERED LIVE PARTS.
2. EXPOSED LIVE PARTS ON ONE SIDE AND GROUNDED PARTS ON THE OTHER SIDE.
3. EXPOSED LIVE PARTS ON BOTH SIDES OF THE WORK SPACE (NOT GUARDED AS PROVIDED IN CONDITION 1) WITH THE OPERATOR BETWEEN.

NOTES:

1. THIS FIGURE ILLUSTRATES THE WORKING SPACE IN FRONT OF ELECTRICAL EQUIPMENT REQUIRED BY NEC SECTION 110-26.
2. THIS INCLUDES BUT IS NOT LIMITED TO PANELBOARDS, SAFETY SWITCHES, MOTOR STARTERS, JUNCTION BOXES AND OTHER ELECTRICAL EQUIPMENT.



ALL ELECTRIC EQUIPMENT



NOTES:

1. THIS FIGURE ILLUSTRATES THE ADDITIONAL EXCLUSIVELY DEDICATED SPACE REQUIRED OVER AND UNDER PANELBOARDS FOR CABLES, RACEWAYS, ETC. TO AND FROM PANELBOARDS REQUIRED BY NEC SECTION 110-26.
2. NO PIPING DUCTWORK OR EQUIPMENT FOREIGN TO THE ELECTRICAL EQUIPMENT OR ARCHITECTURAL APPURTENANCES SHALL BE PERMITTED TO BE INSTALLED IN, ENTER OR PASS THROUGH THE DEDICATED SPACES SHOWN. FOR EXCEPTIONS SEE NEC SECTION 110-26F.

PANELBOARDS

2 DEDICATED WORKING SPACE REQUIREMENTS
SCALE: N.T.S.