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NORTHAMPTON COUNTY REST AREA RENOVATION I-95 NEAR VA STATE LINE PLEASANT HILL, NC

NC DEPT. OF INSURANCE
2012 APPENDIX B BUILDING CODE SUMMARY

NC

Name Of Project:**NORTHAMPTONCOUNTY REST AREA**

Address:**I-95 NEAR VIRGINA, PLEASANT HILL, NC**

Proposed Use:**RESTROOM BUILDING**

Owner Or Authorized Agent:**Weeks Turner Architecture**

Raleigh, NC

City/County

Private

Phone: (919) 779-9797

E-mail: ganderson@weeksturner.com

☒ State

☒ County

Owned By:

Code Enforcement Jurisdiction:

LEAD DESIGN PROFESSIONAL: **WEEKS TURNER ARCHITECTURE, PA**

DESIGNER

FIRM

NAME

LIC. #

TELEPHONE

E-MAIL

Architectural:

Weeks Turner Architecture

Ginger S. Anderson

11075

(919) 779-9797

ganderson@weeksturner.com

Civil

Burke Design Group

Benjamin E. Burke

22038

(919) 771-1916

benburke@nc.rr.com

Fire Alarm:

Plumbing:

Burke Design Group

Benjamin E. Burke

22038

(919) 771-1916

benburke@nc.rr.com

Mechanical:

Burke Design Group

Benjamin E. Burke

22038

(919) 771-1916

benburke@nc.rr.com

Sprinkler - Standpipe:

Structural:

Lysaght & Assoc.

Jim Struffolino

15887

jes@lysaghtassociates.com

Retaining Walls > 5' High

Other:

2012 EDITION OF NC CODE FOR:

☐ New Construction

☒ Addition

☐ Upfit

EXISTING:

☐ Reconstruction

☒ Alteration

☐ Repair

CONSTRUCTED

ORIGINAL USE RESTROOMS

RENOVATED

CURRENT USE RESTROOMS

PROPOSED USE

RESTROOMS

BUILDING DATA

CONSTRUCTION TYPE:

☐ I-A

☐ I-B

☒ II-A

☐ II-B

☐ III-A

☐ III-B

☐ IV

☒ V-A

☐ V-B

MIXED CONSTRUCTION:

☒ NO

☐ YES

TYPES:

☐ PARTIAL

☐ FULL

☐ NFPA 13

☐ NFPA 13R

☐ NFPA 13D

SPRINKLERS:

☒ NO

☐ PARTIAL

☐ YES

☐ NFPA 13

☐ NFPA 13R

☐ NFPA 13D

STANDPIPES:

☒ NO

☐ YES

CLASS

☐ I

☐ II

☐ III

☐ WET

☐ DRY

FIRE DISTRICT:

☒ NO

☐ YES

FLOOD HAZARD AREA:

☒ NO

☐ YES

BUILDING HEIGHT:

+/- 34 FEET

NUMBER OF STORIES:

1

MEZZANINE:

☒ NO

☐ YES

GROSS BUILDING AREA

	EX REST AREA	NEW REST AREA	EX. WELCOME CTR.	PORCH & VENDING	TOTAL AREA
2ND FLOOR	---	---	---	---	---
MEZZANINE	---	---	---	---	---
1ST FLOOR	5,056 SF	231 SF	4,012 SF	2,670 SF	11,969 SF
BASEMENT	---	---	---	---	---
TOTAL	5,056 SF	231 SF	4,012 SF	2,670 SF	11,969 SF

ALLOWABLE AREA:

PRIMARY OCCUPANCY:

☐ ASSEMBLY

☒ BUSINESS

☐ EDUCATIONAL

☐ FACTORY-INDUSTRIAL

☐ HIGH-HAZARD

☐ INSTITUTIONAL

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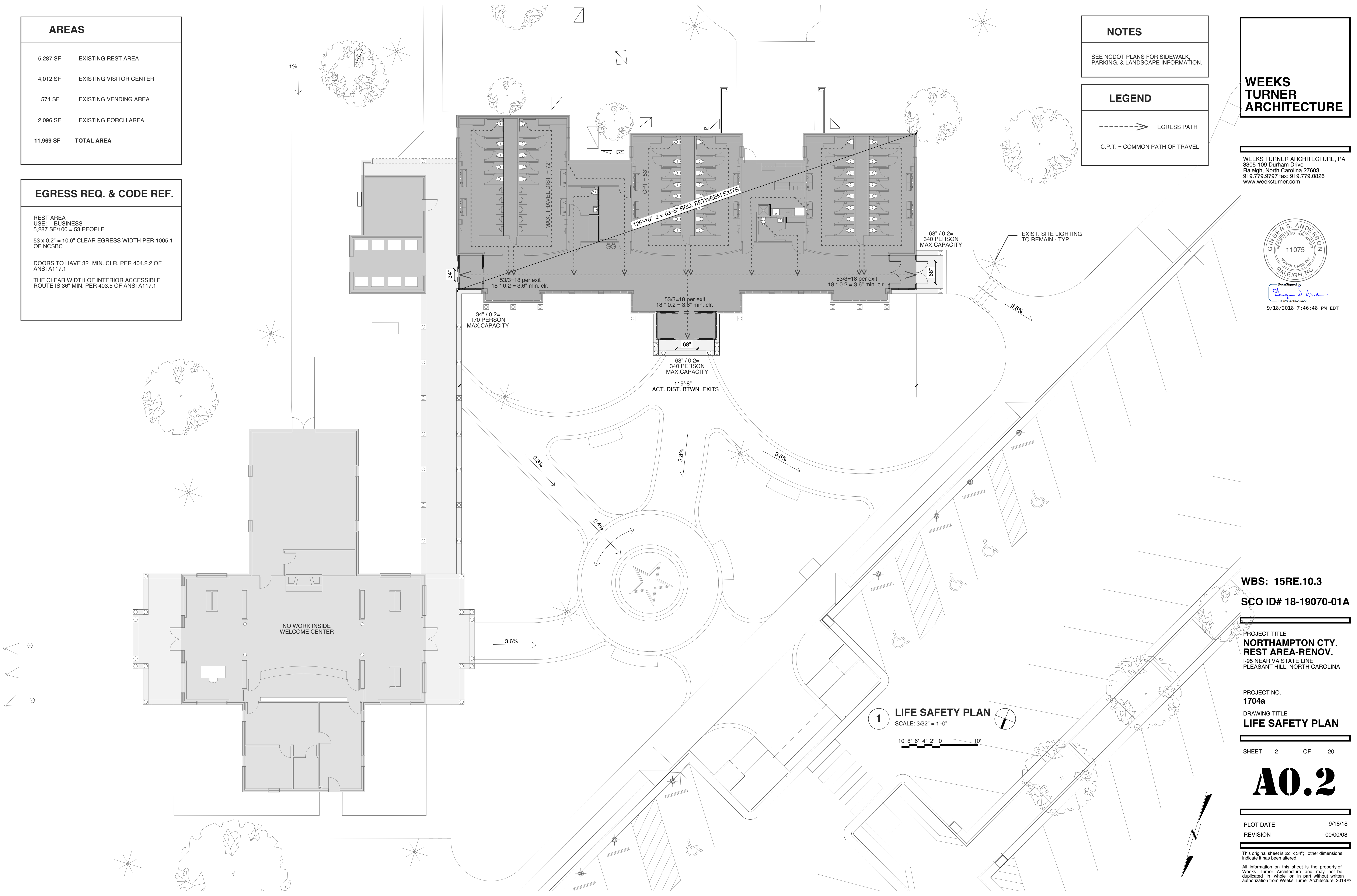
☐ R-5

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AREAS	
5,287 SF	EXISTING REST AREA
4,012 SF	EXISTING VISITOR CENTER
574 SF	EXISTING VENDING AREA
2,096 SF	EXISTING PORCH AREA
11,969 SF	TOTAL AREA

EGRESS REQ. & CODE REF.	
REST AREA USE: BUSINESS 5,287 SF/100 = 53 PEOPLE 53 x 0.2" = 10.6" CLEAR EGRESS WIDTH PER 1005.1 OF NCSCC	
DOORS TO HAVE 32" MIN. CLR. PER 404.2.2 OF ANSI A117.1	
THE CLEAR WIDTH OF INTERIOR ACCESSIBLE ROUTE IS 36" MIN. PER 403.5 OF ANSI A117.1	



NOTES	
SEE NCDOT PLANS FOR SIDEWALK, PARKING, & LANDSCAPE INFORMATION.	
LEGEND	
	EGRESS PATH
C.P.T. = COMMON PATH OF TRAVEL	

**WEEKS
TURNER
ARCHITECTURE**

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3305-109 Durham Drive
Raleigh, North Carolina 27603
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Ginger S. Anderson
E9028345662C422...

9/18/2018 7:46:48 PM EDT

WBS: 15RE.10.3
SCO ID# 18-19070-01A

PROJECT TITLE
**NORTHAMPTON CTY.
REST AREA-RENOV.**
I-95 NEAR VA STATE LINE
PLEASANT HILL, NORTH CAROLINA

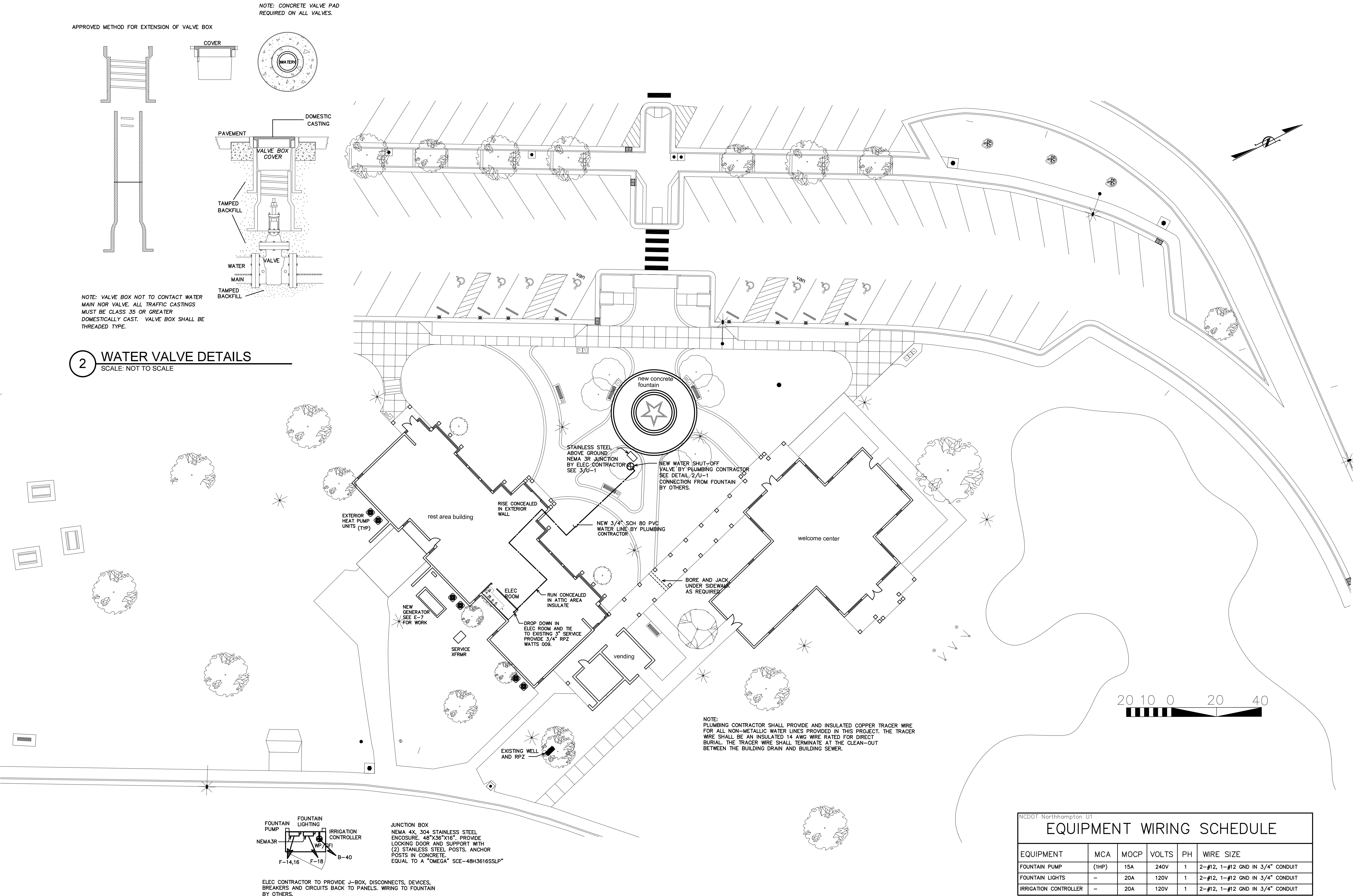
PROJECT NO.
1704a
DRAWING TITLE
LIFE SAFETY PLAN

SHEET 2 OF 20

A0.2

PLOT DATE 9/18/18
REVISION 00/00/08

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Ben Burke
C93761F8B9F34D5
10/31/2018 9:52:25 AM EDT

WBS: 15RE.10.3

SCO ID# 18-19070-01A

PROJECT TITLE
NORTHAMPTON CTY.
REST AREA- RENOV.
I-95 NEAR VA STATE LINE
PLEASEANT HILL, NORTH CAROLINA

PROJECT NO.
1704a

DRAWING TITLE
SITE UTILITY PLAN

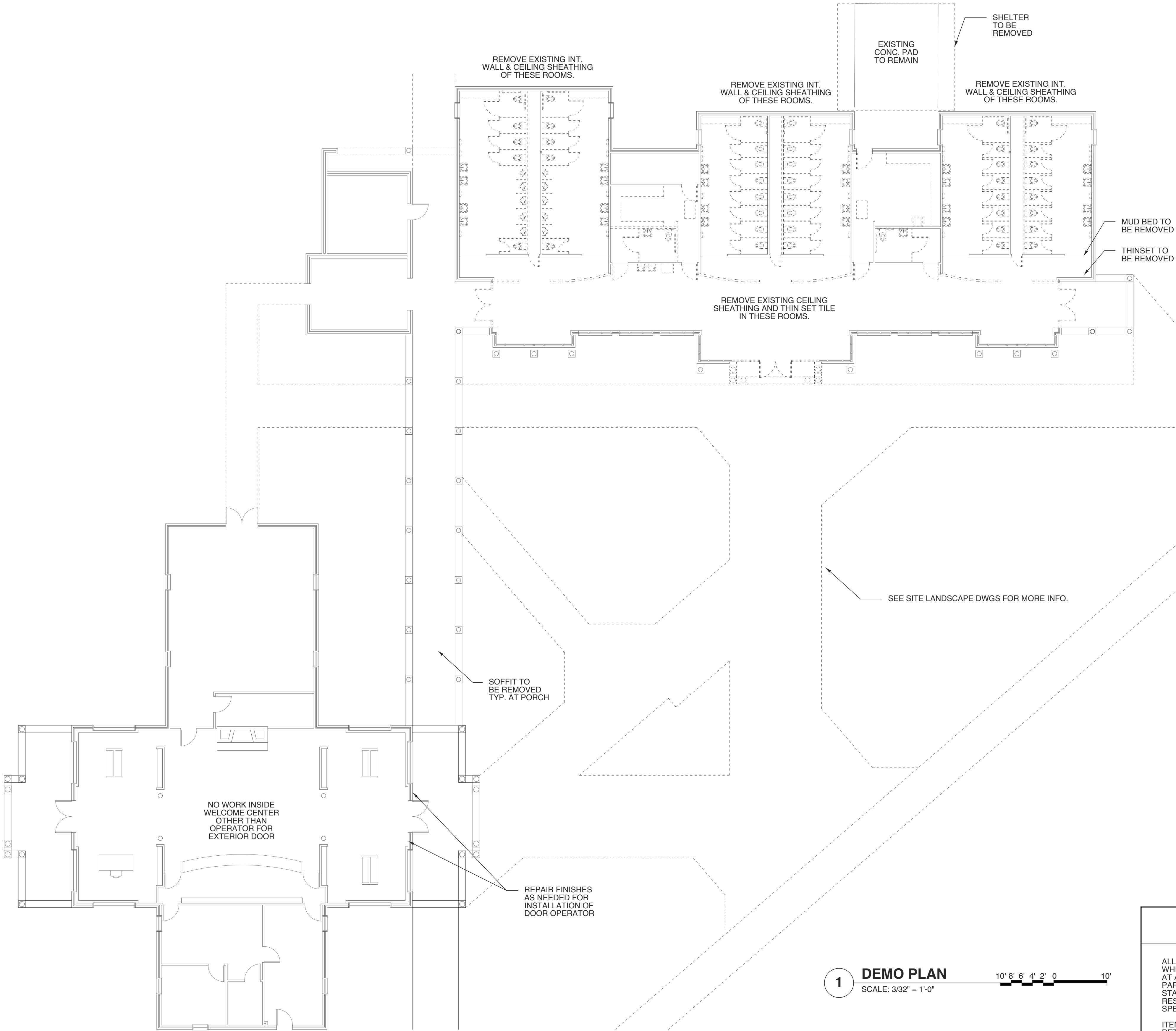
U1

PLOT DATE 10/30/18

EQUIPMENT WIRING SCHEDULE					
EQUIPMENT	MCA	MOC	P	PH	WIRE SIZE
FOUNTAIN PUMP	(1HP)	15A	240V	1	2-#12, 1-#12 GND IN 3/4" CONDUIT
FOUNTAIN LIGHTS	-	20A	120V	1	2-#12, 1-#12 GND IN 3/4" CONDUIT
IRRIGATION CONTROLLER	-	20A	120V	1	2-#12, 1-#12 GND IN 3/4" CONDUIT

NOTE:
THE ELECTRICAL CONTRACTOR SHALL VERIFY ALL EQUIPMENT ELECTRICAL REQUIREMENTS PRIOR TO ROUGH-IN AND RELEASING GEAR. ADJUST BREAKER, WIRE SIZES, ETC. AS REQUIRED.

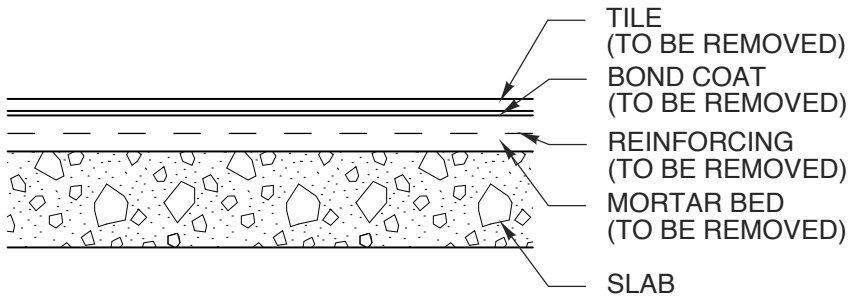
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NOTES

CONC. TO BE CUT & REMOVED AS NEEDED FOR PLUMBING REPLACEMENT-TYP.

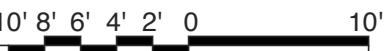
REMOVE THICK SET MUD BED IN ALL 6 TOILET ROOMS LEVEL AND PREP FOR FLR. FINISH



2 EXIST SLAB @ MUD BED
SCALE: 1-1/2" = 1'-0"

WALL LEGEND	
	EXIST. BRICK VENEER WALL TO REMAIN
	EXIST. INTERIOR WALL TO REMAIN
	TO BE REMOVED

1 DEMO PLAN
SCALE: 3/32" = 1'-0"



DEMOLITION & CONSTRUCTION NOTES

ALL MATERIALS SHALL BE NEW AND OF QUANTITY SPECIFIED, EXCEPT WHERE RECLAIMED MATERIAL IS INDICATED FOR USE. WORKMANSHIP SHALL AT ALL TIMES BE OF A GRADE ACCEPTED AS THE BEST PRACTICE OF THE PARTICULAR TRADE INVOLVED, AND AS STIPULATED IN WRITTEN STANDARDS OF RECOGNISED ORGANIZATIONS OR INSTITUTES OF THE RESPECTIVE TRADES EXCEPT AS EXCEEDED OR QUALIFIED BY THE SPECIFICATIONS.

ITEMS RESULTING FROM THE DEMOLITION AND ITEMS WHICH ARE NOT TO BE RETURNED TO THE OWNER AS NOTED HEREIN, SHALL BE REMOVED FROM THE SITE, AS THE WORK PROGRESSES, AND DISPOSED OF IN A LEGAL MANER. .

THE CONTRACTOR SHALL REVIEW EACH PHASE OF THE WORK PRIOR TO PROCEEDING WITH THE WORK AND SHALL NOTIFY THE ARCHITECT IN WRITING OF ANY DISCREPANCIES IN THE CONTRACT DOCUMENTS THAT WILL RESULT IN CHANGES TO THE WORK.

AREA OUTSIDE OF AREA OF WORK TO REMAIN CLEAR AND CLEAN OF DEBRIS, EQUIPMENT ETC. AT ALL TIMES..



DocuSigned by:

E9028345662C422..

9/18/2018 7:46:48 PM EDT

WBS: 15RE.10.3

SCO ID# 18-19070-01A

PROJECT TITLE
**NORTHAMPTON CTY.
REST AREA-RENOV.**
I-95 NEAR VA STATE LINE
PLEASANT HILL, NORTH CAROLINA

PROJECT NO.
1704a

DRAWING TITLE
DEMO PLAN

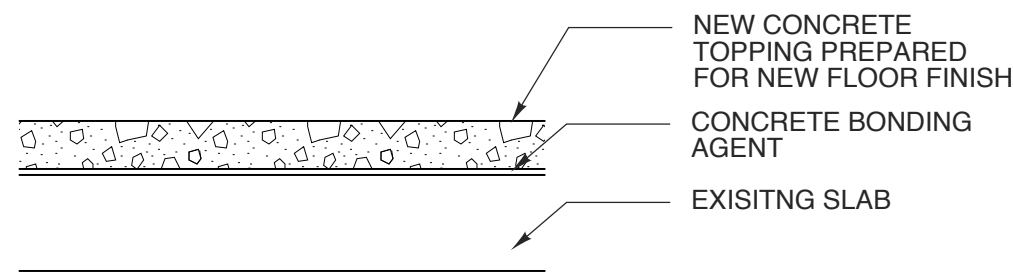
SHEET 3 OF 20

A1.1

PLOT DATE 9/18/18
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- NOTES**
1. CONTRACTOR TO SUPPLY ALL BLOCKING NEEDED TO SUPPORT REQUIRED RESTROOM ITEMS UNLESS OTHERWISE NOTED OR STATED PER MANF.
 2. VERIFY ALL ROUGH OPENING DIMENSIONS WITH MANUFACTURERS REQUIREMENTS
 3. SEE SHEETS A4.1 FOR MORE REQ. CLEARANCES
 4. SEE SHEETS A4.2 FOR INTERIOR ELEVATIONS
 5. SEE ELECTRICAL AND MECHANICAL DRAWINGS FOR EQUIPMENT LOCATIONS.

WALL LEGEND	
	EXIST. BRICK VENEER WALL TO REMAIN
	EXIST. INTERIOR WALL TO REMAIN
	NEW INTERIOR GLASS BLOCK WALL
	NEW INTERIOR WALL
	NEW MASONRY WALL (4" BRICK TO MATCH EXIST. & 8" CMU)
	NEW EXT. WALL (MET. STUDS)

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

FOR ENLARGED PLAN OF
105, 106 & 107 SEE 4/A4.1

FOR ENLARGED PLAN OF
111, 112 & 113 SEE 3/A4.1

FOR ENLARGED PLAN OF
115 & 116 SEE 2/A4.1

FOR ENLARGED PLAN OF
117, 118 & 119 SEE 1/A4.1

ELECTRICAL
109

FD-TYP.
FOR ENLARGED PLAN OF
108 & 110 SEE 5/A4.1

STORAGE
110

WOMEN'S
RESTROOM 1
111

PIPE CHASE
112

WOMEN'S
RESTROOM 2
113

JANITOR
115

FD-TYP.
MIC.

FAMILY
RESTROOM 2
116

WOMEN'S
RESTROOM 3
117

PIPE CHASE
118

WOMEN'S
RESTROOM 4
119

FAMILY
RESTROOM 1
108

FURR OUT
WALL FOR WC
DEPTH

10'-0"

12'

4'-6"

10'-0"

14

15

16

10'-0"

1'-0"

4'-6"

6'-0"

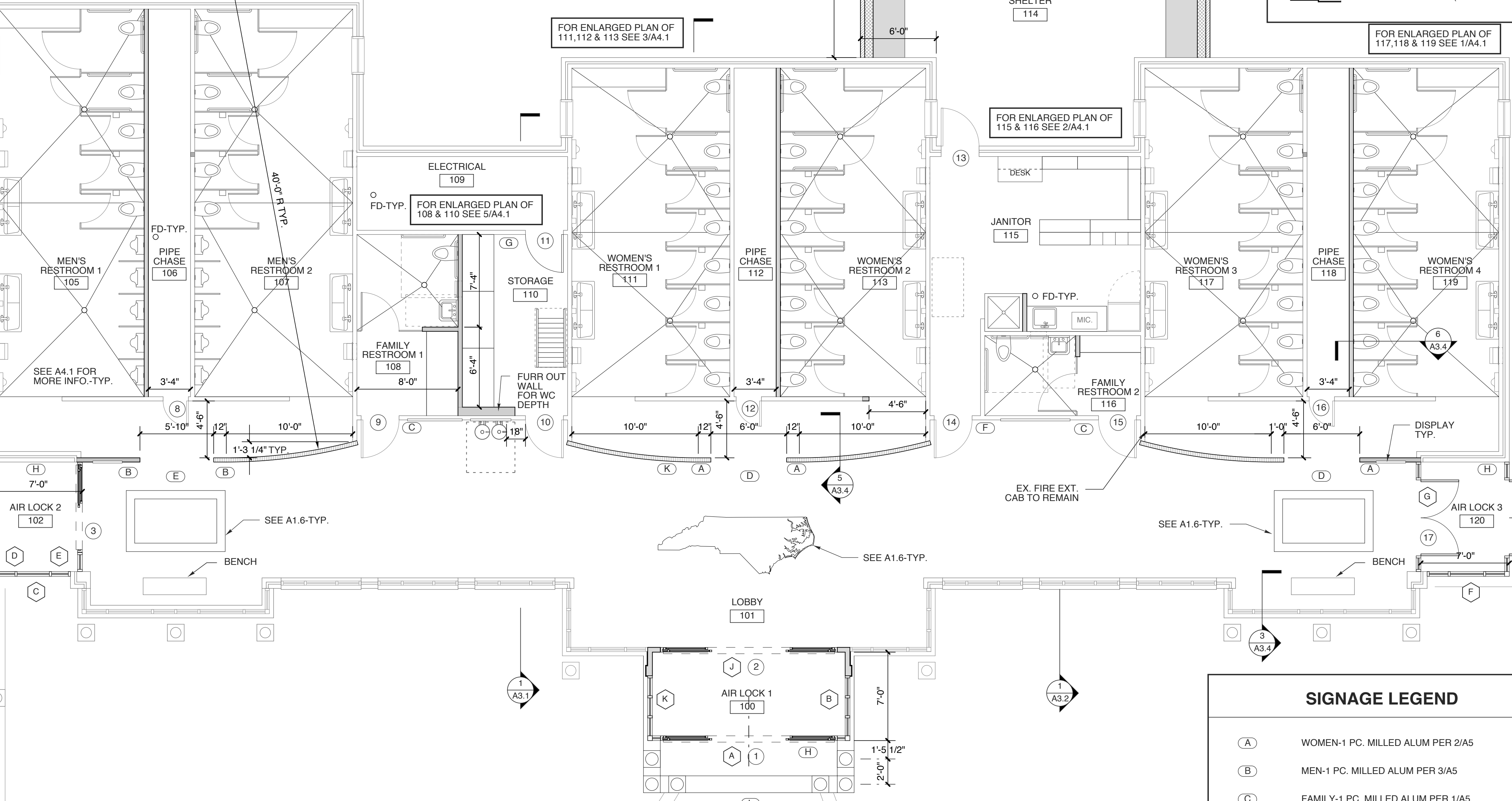
3'-4"

17

18

VENDING
STORAGE
104

VENDING
103



1 REV. PLAN
SCALE: 3/16" = 1'-0"

SIGNAGE LEGEND	
(A)	WOMEN-1 PC. MILLED ALUM PER 2/A5
(B)	MEN-1 PC. MILLED ALUM PER 3/A5
(C)	FAMILY-1 PC. MILLED ALUM PER 1/A5
(D)	WOMEN-DOUBLE SIDED CELING MOUNTED SIGN PER 10/A5
(E)	MEN--DOUBLE SIDED CELING MOUNTED SIGN PER 11/A5
(F)	JANITOR-1 PC. MILLED ALUM PER 13/A5
(G)	ELECTRICAL-1 PC. MILLED ALUM SIM TO 2/A5
(H)	NO SMOKING-1 PC. MILLED ALUM SIM TO 2/A5
(J)	NORTH HAMPTON COUNTY REST AREA
(K)	VENDING-DOUBLE SIDED CELING MOUNTED SIGN PER 10/A5 PER 12/A5
(L)	RESTROOMS-DOUBLE SIDED CELING MOUNTED SIGN PER 10/A5
(M)	WELCOME CENTER-DIMENSIONAL LETTERS
(N)	VENDING-DIMENSIONAL LETTERS
(O)	VENDING & RESTROOMS - DIMENSIONAL LETTERS
SEE SHEETS A1.5 & A5 FOR MORE PLACEMENT DETAILS.	

WBS: 15RE.10.3

SCO ID# 18-19070-01A

PROJECT TITLE
**NORTHAMPTON CTY.
REST AREA-RENOV.**
I-95 NEAR VA STATE LINE
PLEASANT HILL, NORTH CAROLINA

PROJECT NO.
1704a

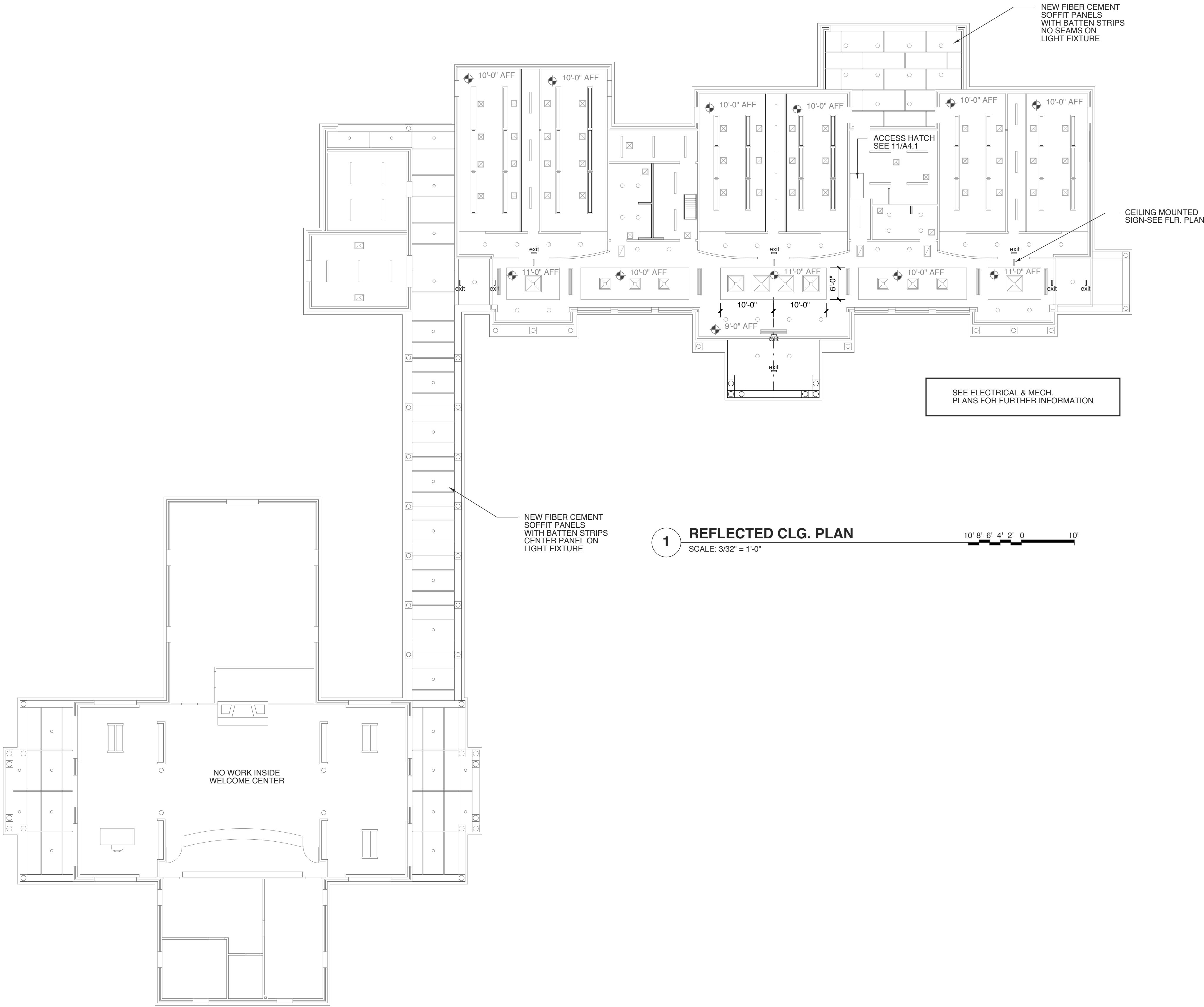
DRAWING TITLE
FLOOR PLAN

SHEET 4 OF 20

A1.2

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REVISION 00/00/08

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PROJECT TITLE
**NORTHAMPTON CTY.
REST AREA-RENOV.**
I-95 NEAR VA STATE LINE
PLEASANT HILL, NORTH CAROLINA

PROJECT NO.
1704a

DRAWING TITLE
RCP PLAN

SHEET 5 OF 20

A1.3

PLOT DATE 9/18/18
REVISION 00/00/08

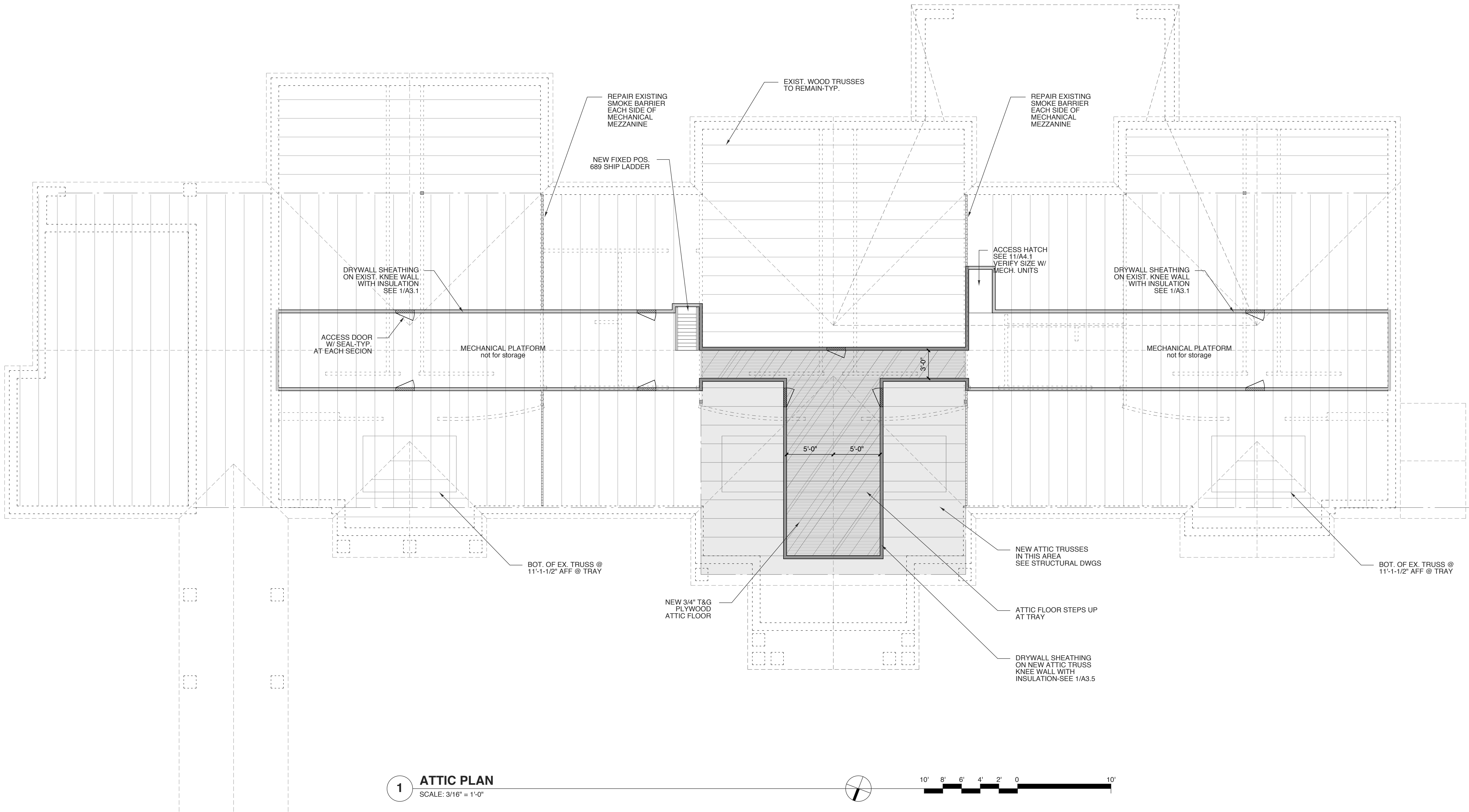
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DRAWING TITLE
ATTIC PLAN

SHEET 6 OF 20

A1.4

PLOT DATE 9/18/18
REVISION 00/00/08

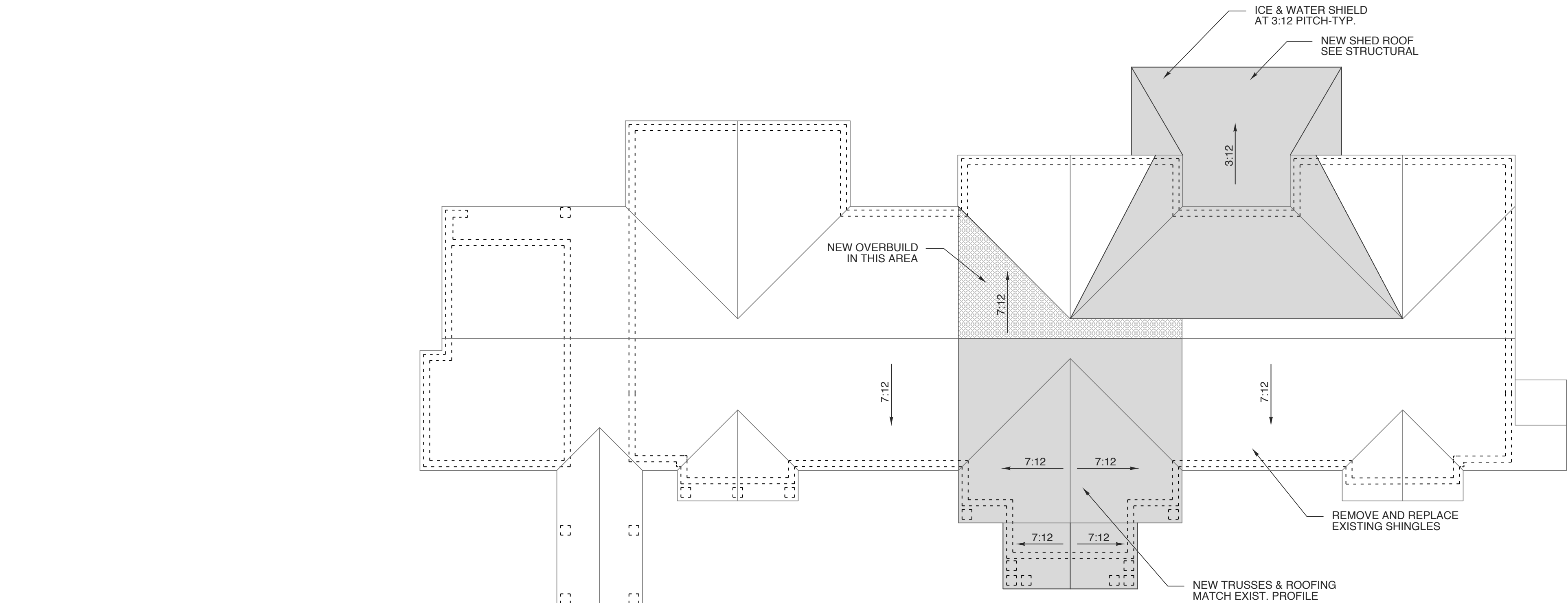
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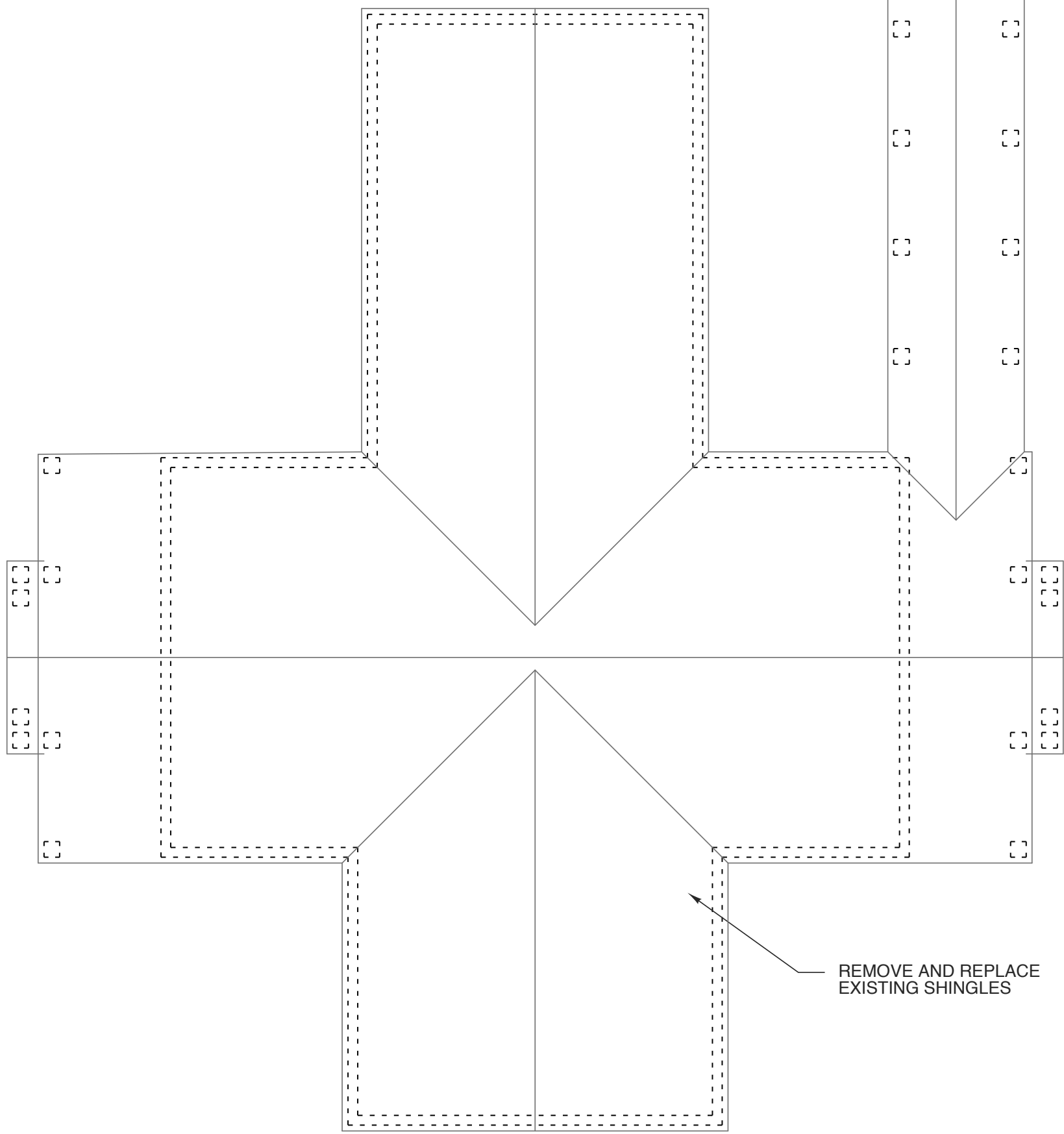
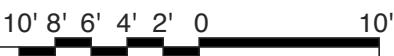


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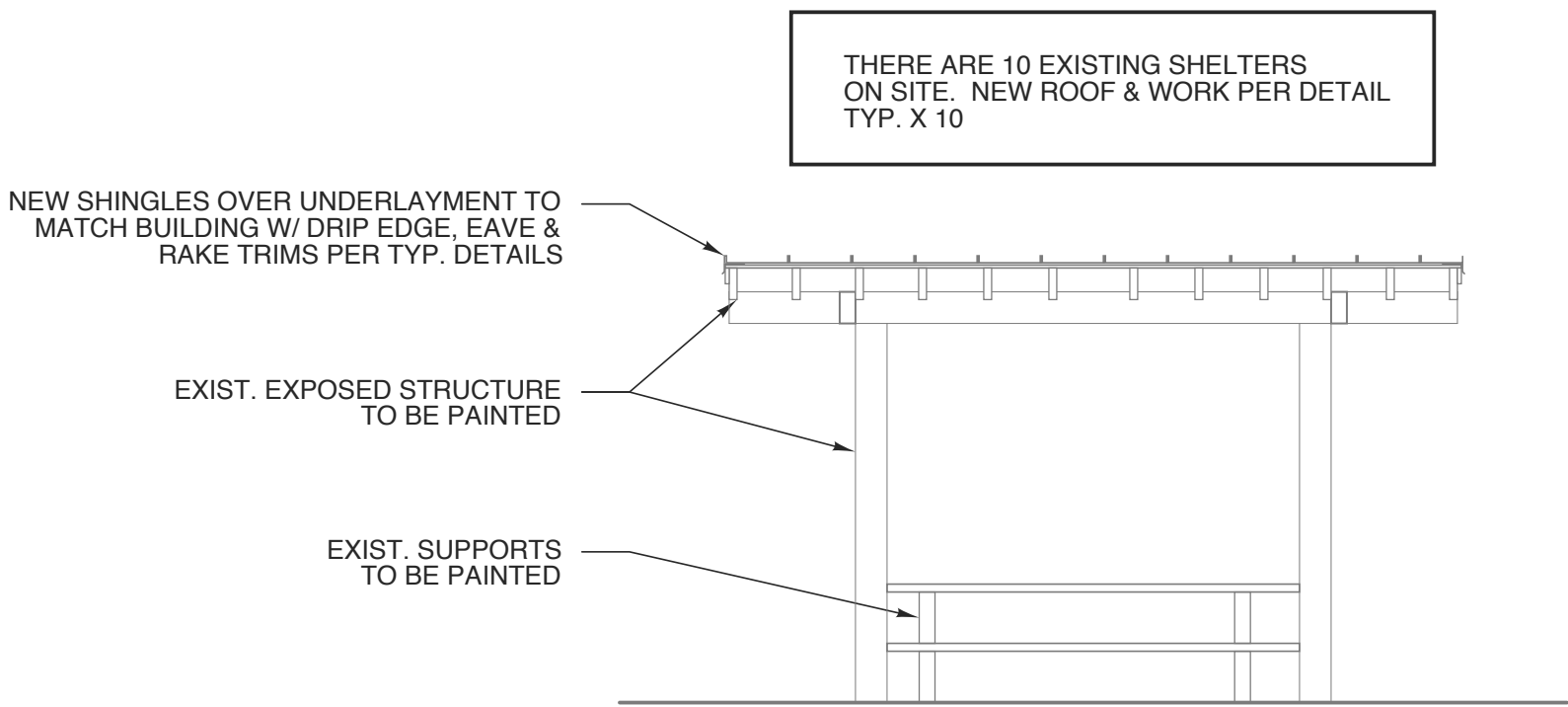
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1 ROOF PLAN
SCALE: 3/32" = 1'-0"



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



2 ROOF PLAN-PICNIC SHELTERS
SCALE: 1/4" = 1'-0"



WBS: 15RE.10.3

SCO ID# 18-19070-01A

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I-95 NEAR VA STATE LINE
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PROJECT NO.
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DRAWING TITLE
ROOF PLAN

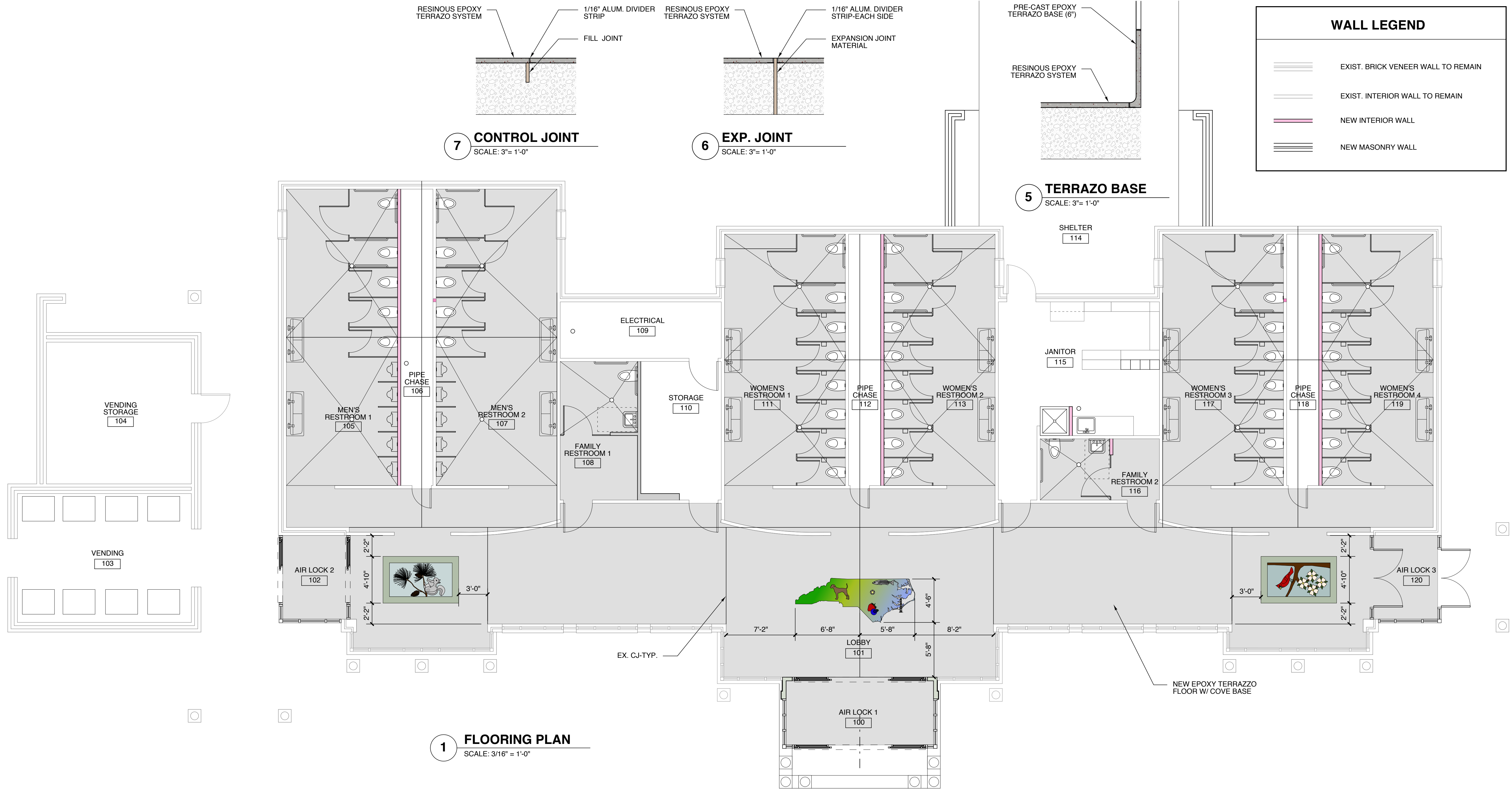
SHEET 7 OF 20

A1.5

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7 CONTROL JOINT
SCALE: 3"= 1'-0"

6 EXP. JOINT
SCALE: 3"= 1'-0"

5 TERRAZZO BASE
SCALE: 3"= 1'-0"

WALL LEGEND	
	EXIST. BRICK VENEER WALL TO REMAIN
	EXIST. INTERIOR WALL TO REMAIN
	NEW INTERIOR WALL
	NEW MASONRY WALL

1 FLOORING PLAN
SCALE: 3/16" = 1'-0"

TERRAZZO NOTES

EXISTING SLAB TO BE MODIFIED TO MEET LEVELNESS REQUIREMENT.

NEW CONCRETE IN RECESSED AREAS WHERE MUD BED HAS BEEN REMOVED TO MEET LEVELNESS AND FINISH REQUIREMENTS.

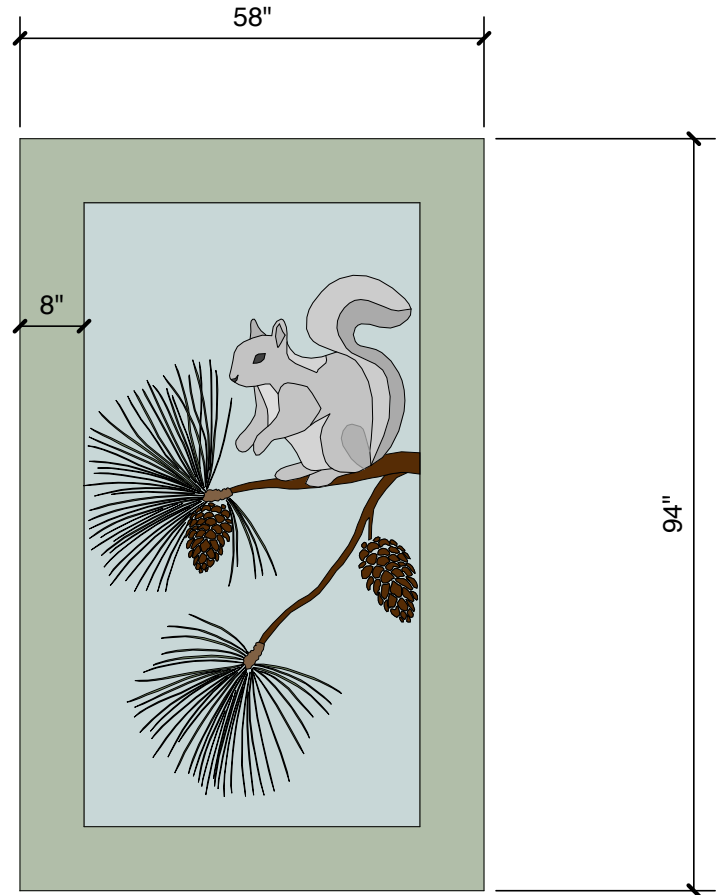
EXISTING CRACKS TO BE TREATED WITH CRACK SUPPRESSION MEMBRANE.

MOISTURE VAPOR PRIMER REQUIRED ON ALL AREAS TO RECEIVE TERRAZZO.

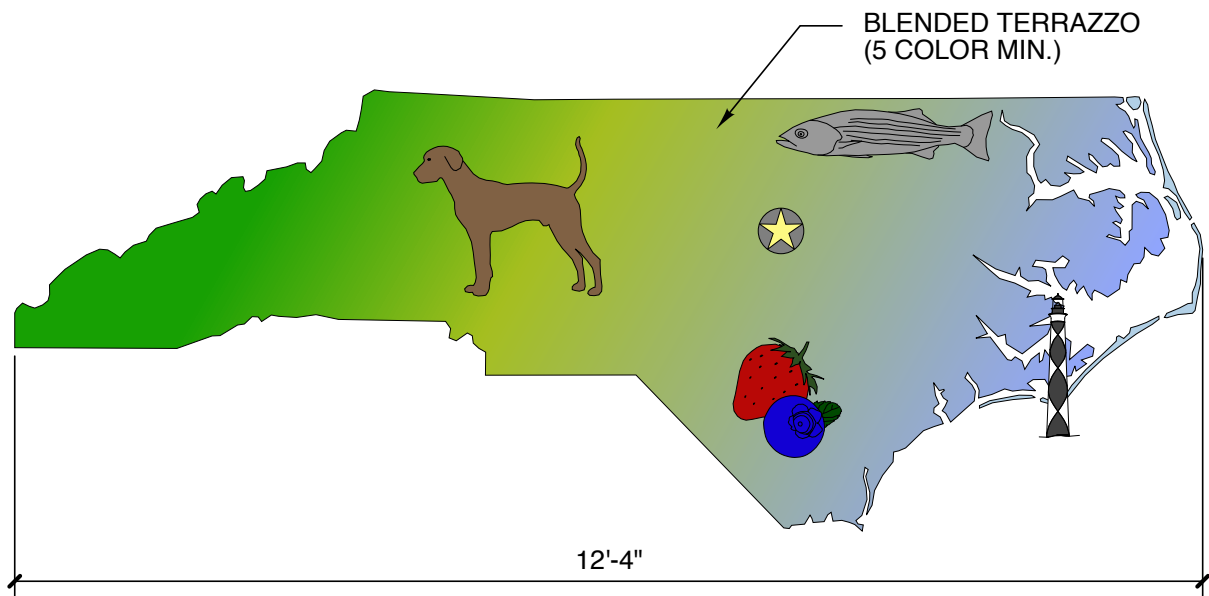
THIRD PARTY MOISTURE TEST BY GC.

TERRAZZO TO RECEIVE HIGH POLISH (3,000 GRIT) FINISH.

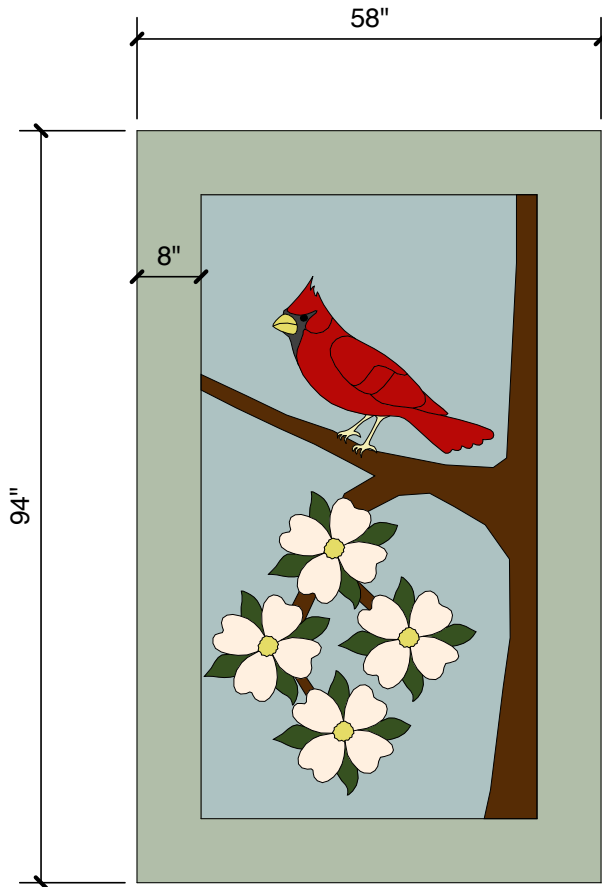
SEE SPECIFICATIONS FOR FURTHER DETAILS.



4 DETAIL 3
SCALE: 1/2"= 1'-0"



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



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

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WBS: 15RE.10.3

SCO ID# 18-19070-01A

PROJECT TITLE
**NORTHAMPTON CTY.
REST AREA-RENOV.**
I-95 NEAR VA STATE LINE
PLEASANT HILL, NORTH CAROLINA

PROJECT NO.
1704a

DRAWING TITLE
FLOORING PLAN

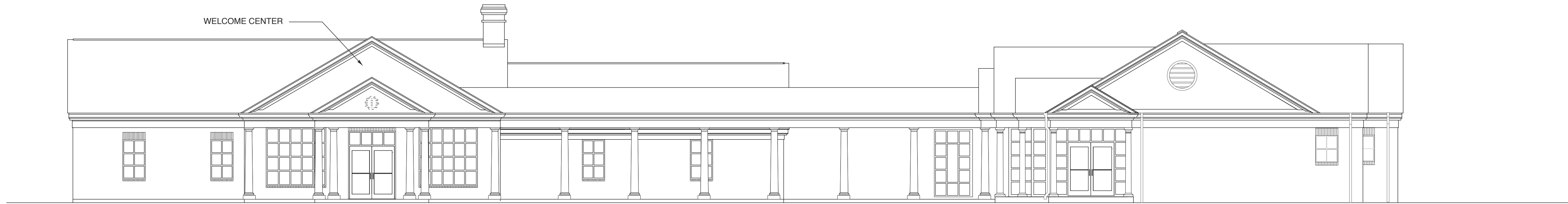
SHEET 8 OF 20

A1.6

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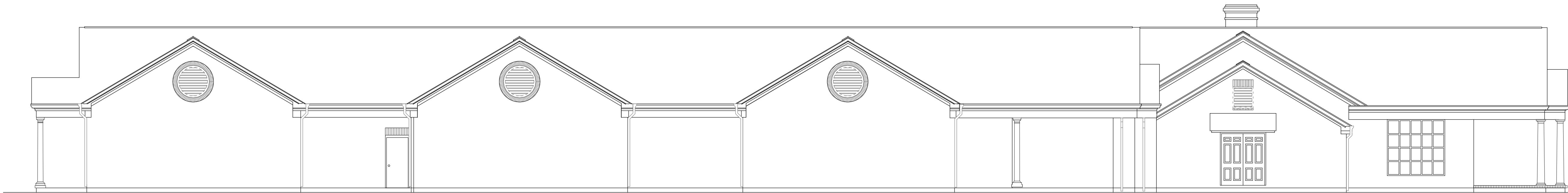
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3 WEST ELEVATION
SCALE: 1/8" = 1'-0"



2 NORTH ELEVATION
SCALE: 1/8" = 1'-0"



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

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NORTHAMPTON CTY.
REST AREA-RENOV.
I-95 NEAR VA STATE LINE
PLEASANT HILL, NORTH CAROLINA

PROJECT NO.
1704a
DRAWING TITLE
EXIST. ELEVATIONS

SHEET 9 OF 20

A2.1

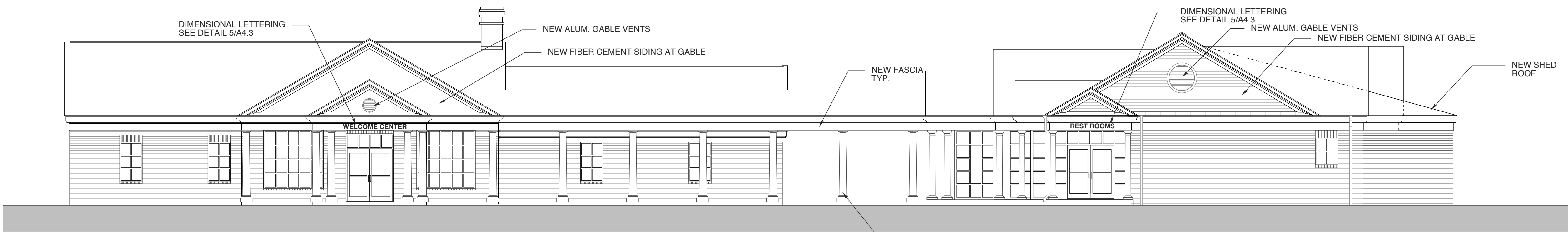
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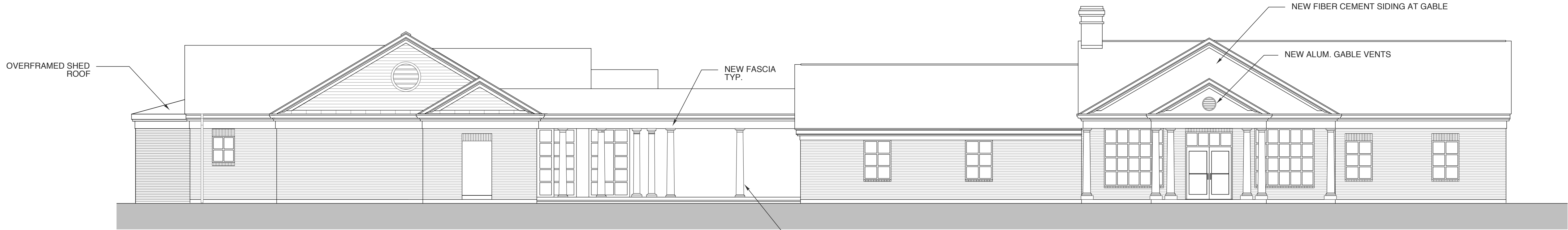


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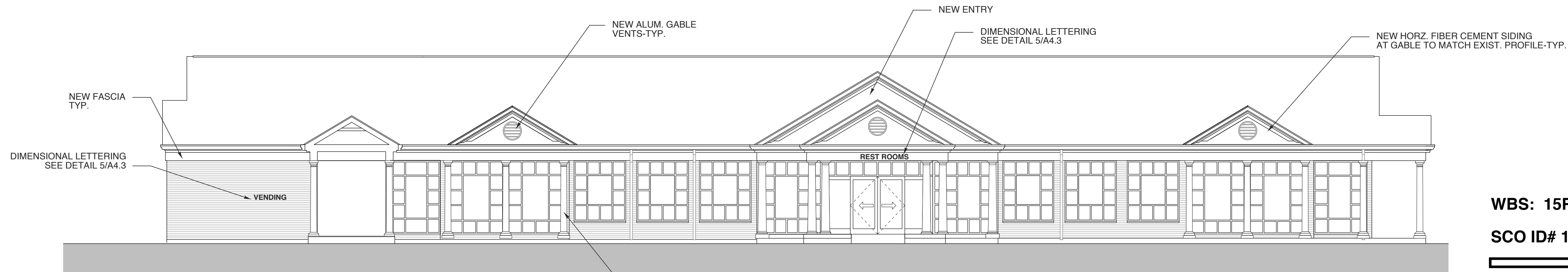
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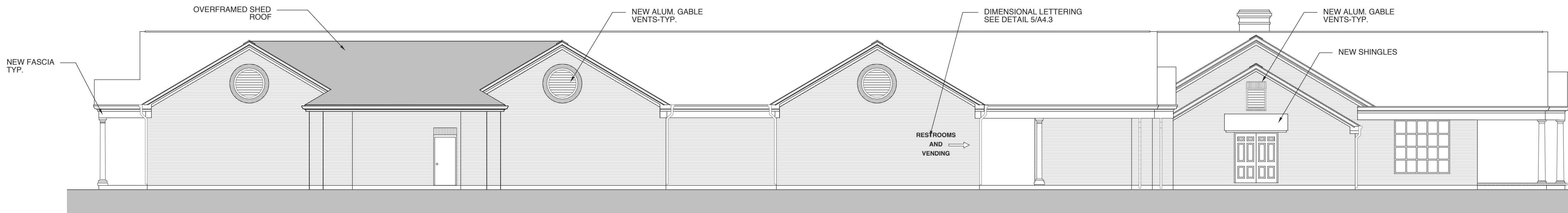
4 **WEST ELEVATION**
SCALE: 1/8" = 1'-0"



34 **EAST ELEVATION**
SCALE: 1/8" = 1'-0"



2 **NORTH ELEVATION**
SCALE: 1/8" = 1'-0"



1 **SOUTH ELEVATION**
SCALE: 1/8" = 1'-0"

WBS: 15RE.10.3

SCO ID# 18-19070-01A

PROJECT TITLE
**NORTHAMPTON CTY.
REST AREA-RENOV.**
I-95 NEAR VA STATE LINE
PLEASANT HILL, NORTH CAROLINA

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DRAWING TITLE
REV ELEVATIONS

SHEET 10 OF 20

A2.2

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PROJECT NO.
1704a

DRAWING TITLE
BLDG. SECTION

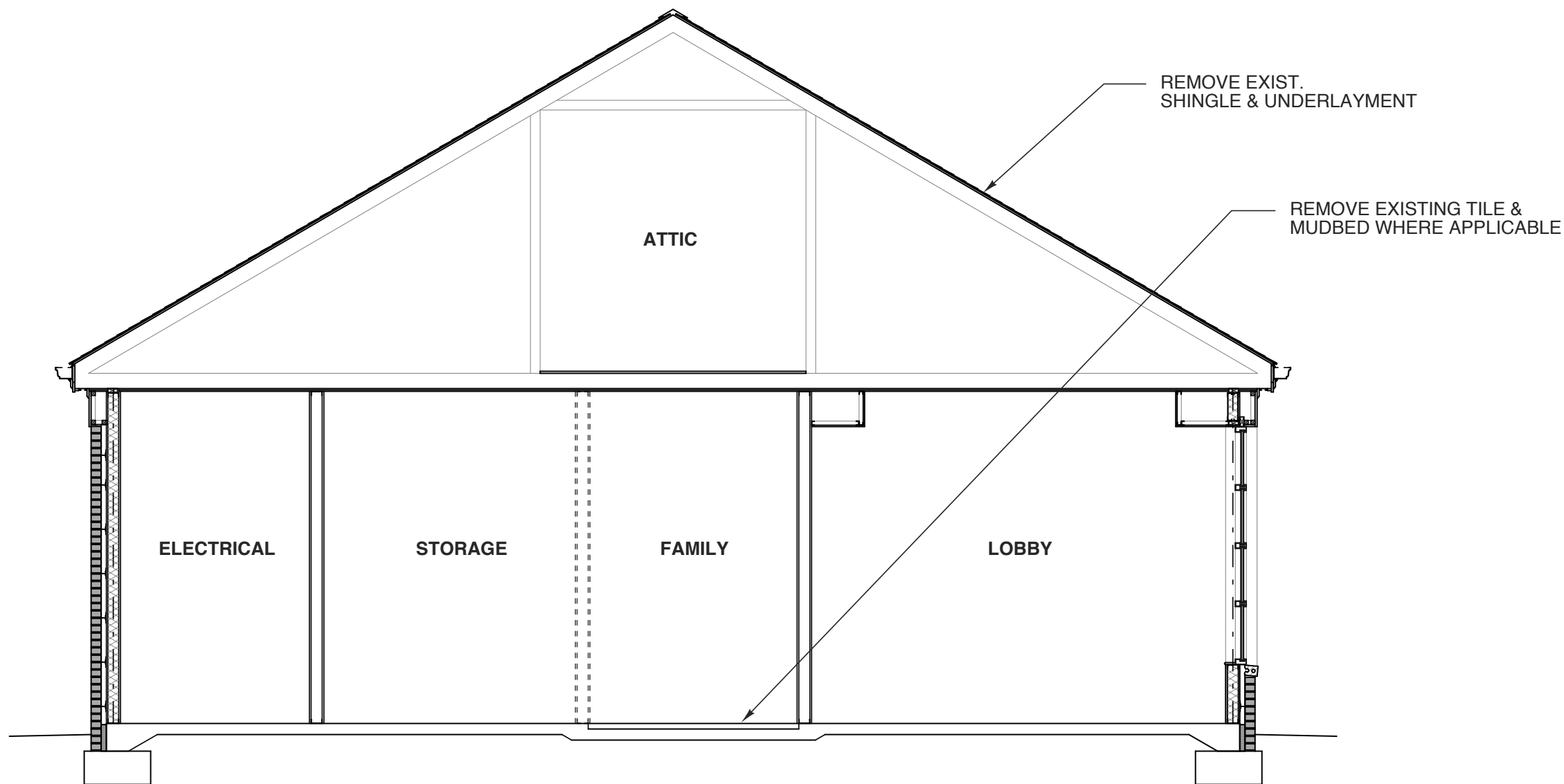
SHEET 11 OF 20

A3.1

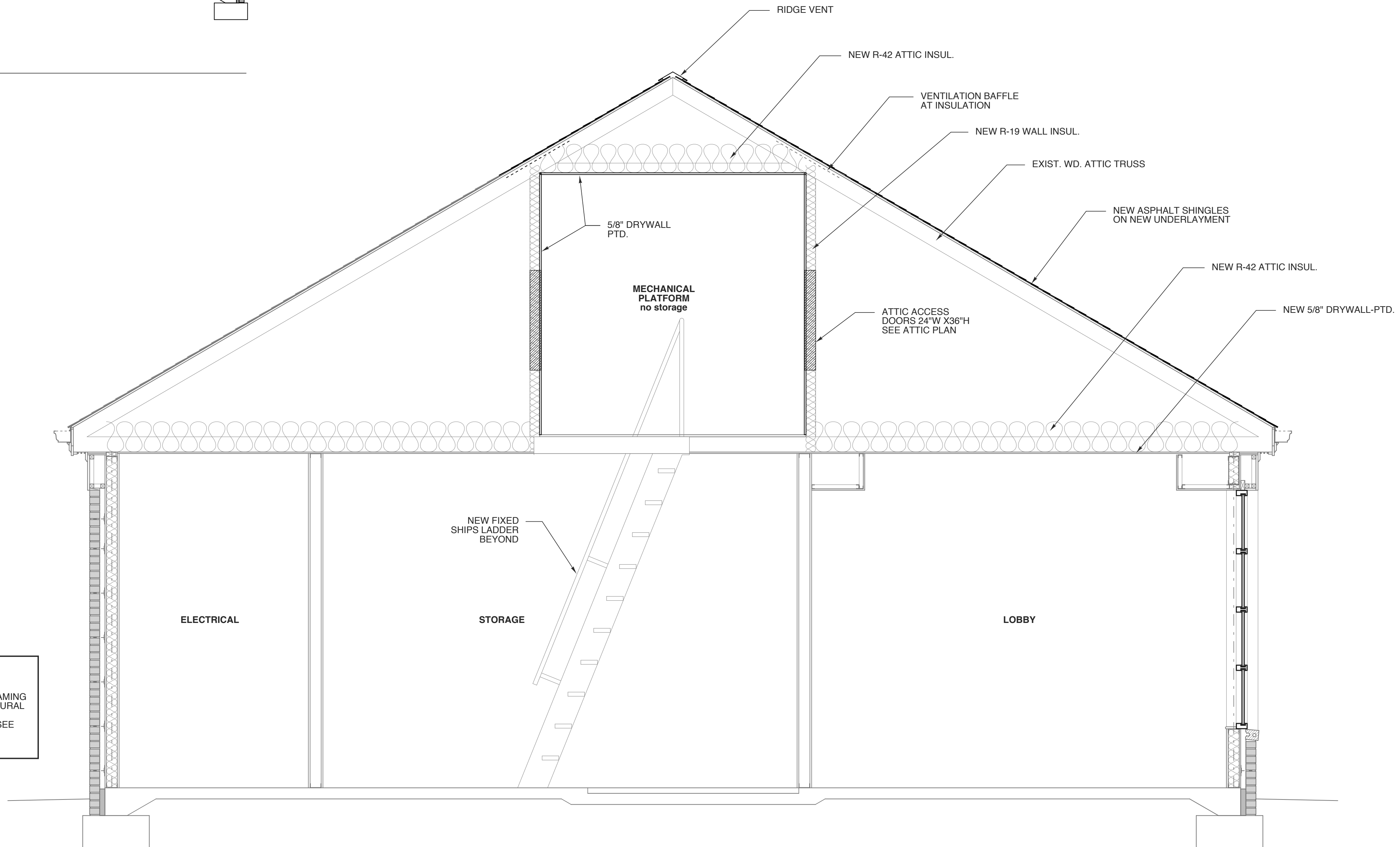
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2 BLDG. SECTION-DEMO
SCALE: 1/4" = 1'-0"



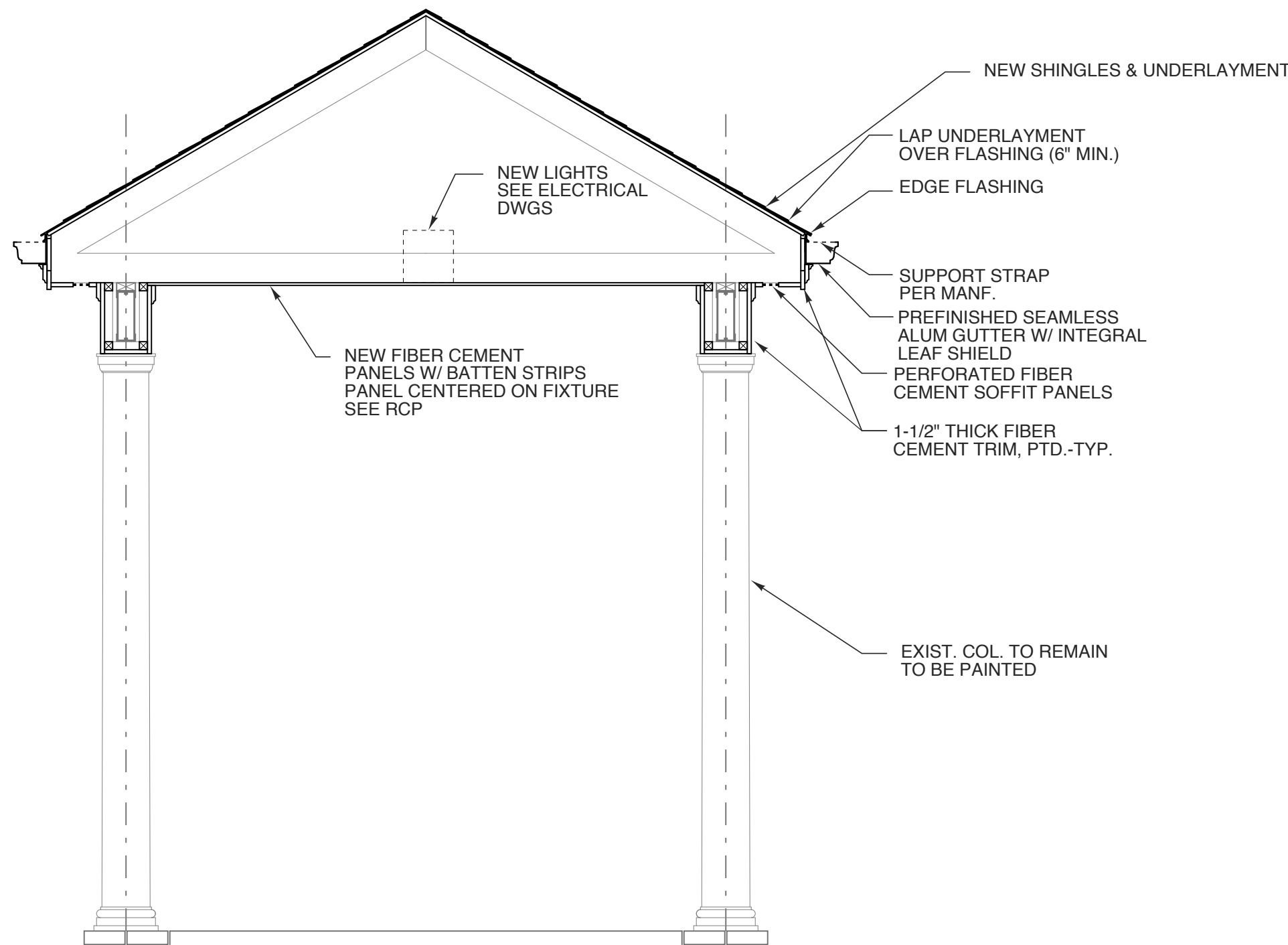
NOTES
FOR FOUNDATION AND FRAMING
INFORMATION-SEE STRUCTURAL
FOR FINISH INFORMATION SEE
FINISH SCHEDULE

1 BLDG. SECTION-REVISED
SCALE: 1/2" = 1'-0"

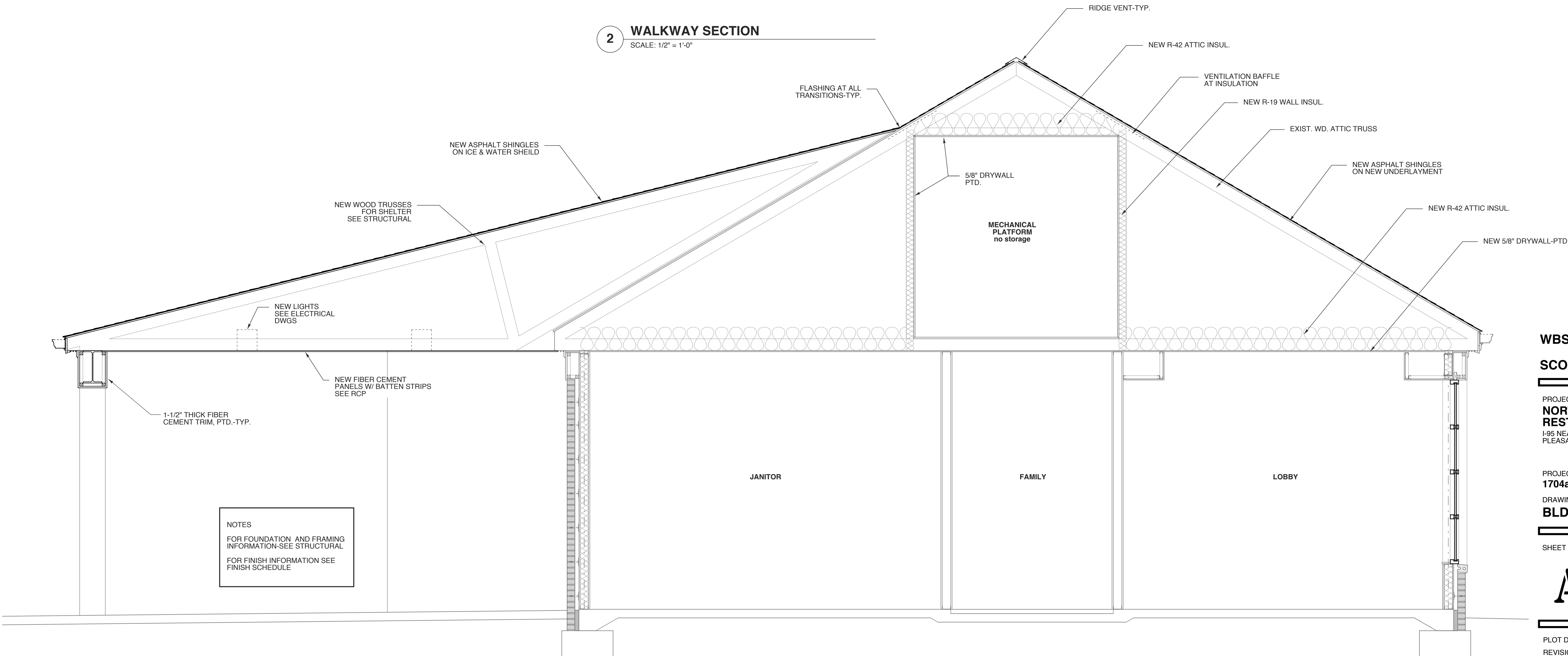


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2 WALKWAY SECTION
SCALE: 1/2" = 1'-0"



1 BLDG. SECTION-REVISED
SCALE: 1/2" = 1'-0"

NOTES
FOR FOUNDATION AND FRAMING
INFORMATION-SEE STRUCTURAL
FOR FINISH INFORMATION SEE
FINISH SCHEDULE

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DRAWING TITLE
BLDG. SECTION

SHEET 12 OF 20

A3.2

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HORZ. STUD SPANS FOR SOFFITS

162S125-30 @ 16" o.c.	Max Span = 5'-4"
250S125-30 @ 16" o.c.	Max Span = 6'-8"
362S125-30 @ 16" o.c.	Max Span = 7'-4"
600S125-30 @ 16" o.c.	Max Span = 8'-9"
600S162-43 @ 16" o.c.	Max Span = 12'-5"

1

BLDG. SECTION-DEMO

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

NOTES

FOR FOUNDATION AND FRAMING
INFORMATION-SEE STRUCTURAL

FOR FINISH INFORMATION SEE
FINISH SCHEDULE

RIDGE VENT-TYP.

NEW OVERBUILD
SEE STRUCTURAL

NEW R-19 WALL INSUL.

NEW ATTIC TRUSSES
SEE STRUCTURAL

NEW R-42 ATTIC INSUL.

NEW ASPHALT SHINGLES
ON NEW UNDERLAYMENT

NEW R-19 WALL INSUL.

NEW TRUSSES
SEE STRUCTURAL

FLASHING AT ALL
TRANSITIONS-TYP.

EXISTING TRUSSES TO REMAIN

NEW R-42 ATTIC INSUL.

NEW 5/8" DRYWALL-PTD.

5/8" DRYWALL
PTD.

NEW MECHANICAL
PLATFORM
no storage

NEW 3/4" PLYWOOD
ATTIC FLOOR

NEW 5/8" DRYWALL-PTD.
ON METAL STUD FRAMING

WOMEN

LOBBY

AIRLOCK

1

BLDG. SECTION-REVISED

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

WBS: 15RE.10.3

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DRAWING TITLE
BLDG. SECTION

SHEET 13 OF 20

A3.3

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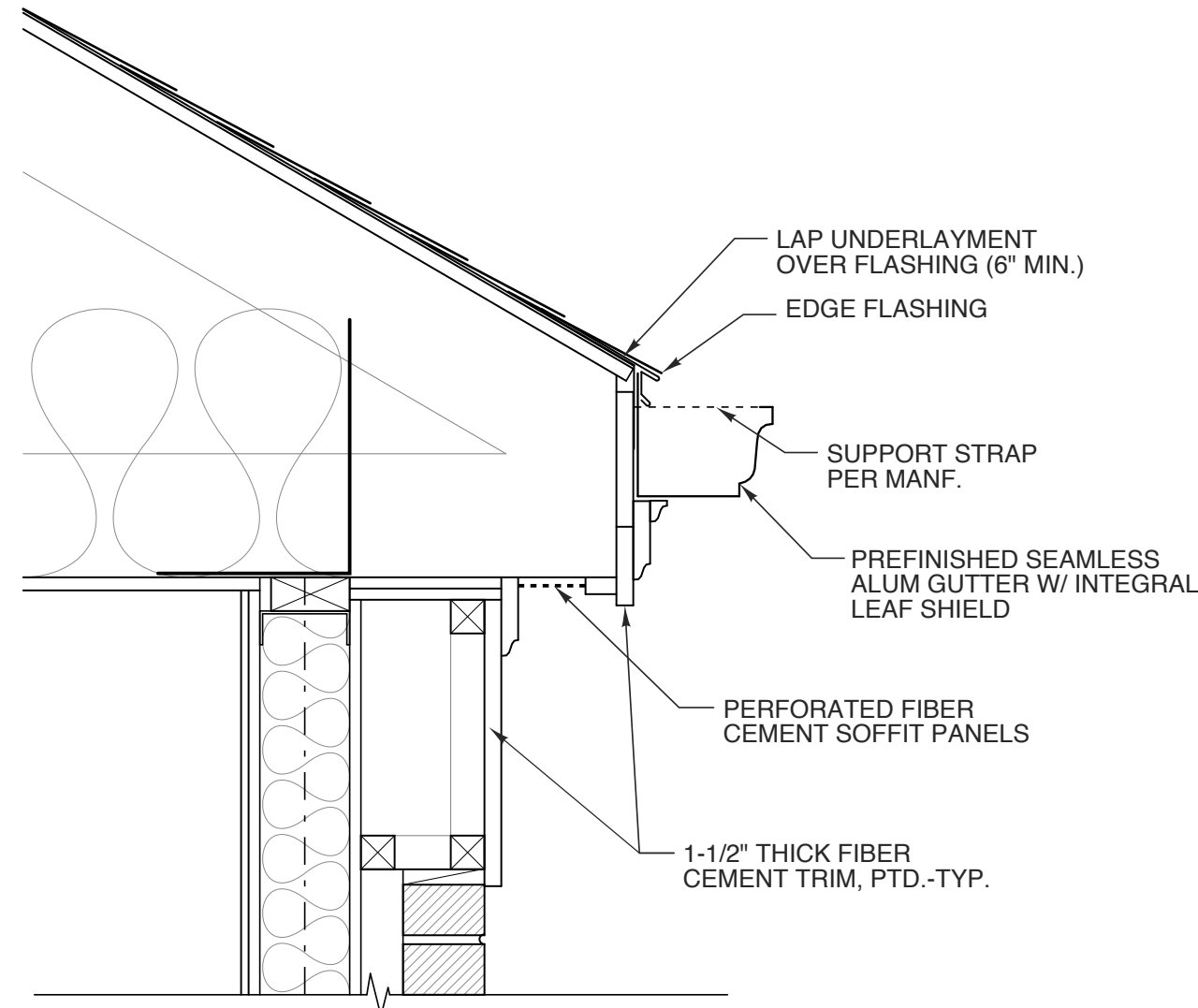
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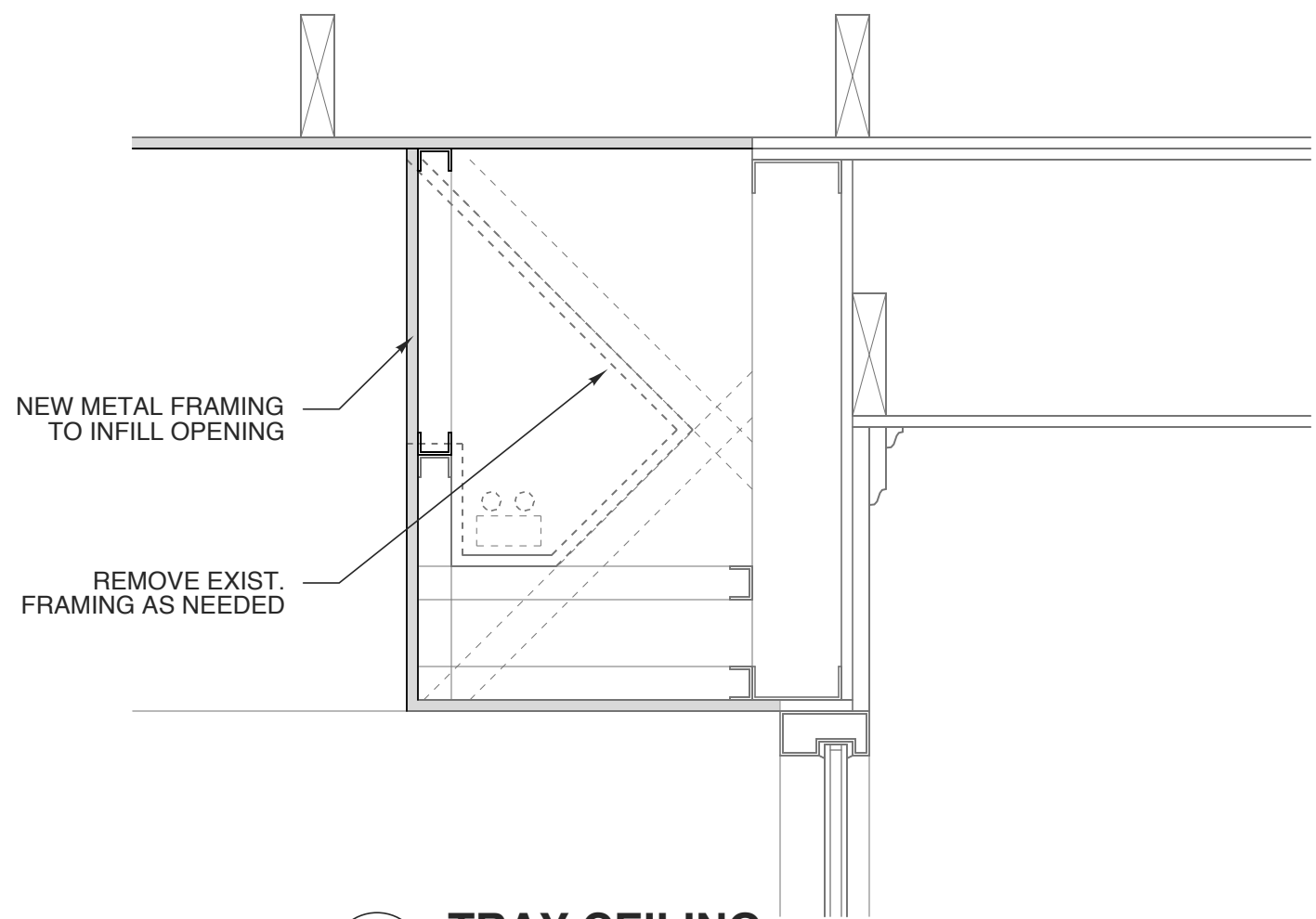


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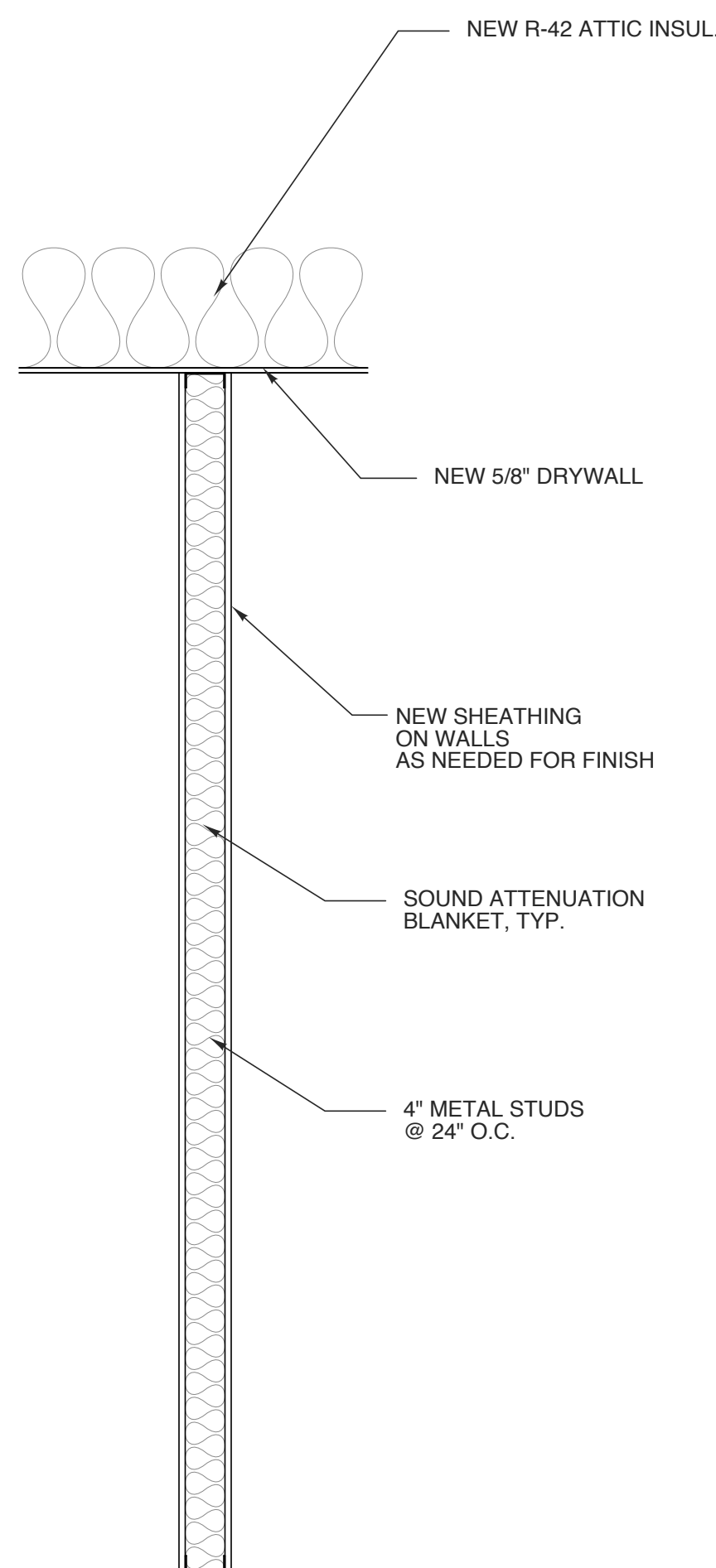
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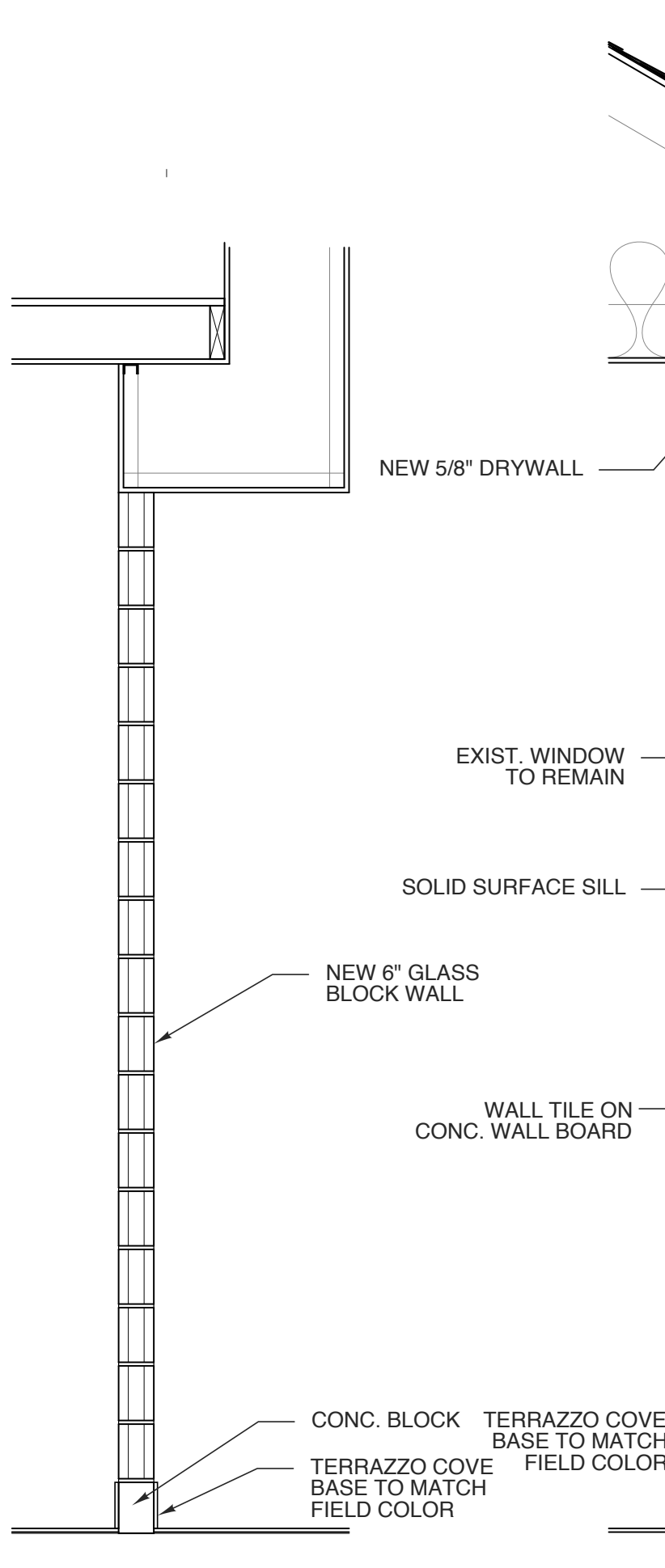
8 TYP. FASCIA
SCALE: 1 1/2" = 1'-0"



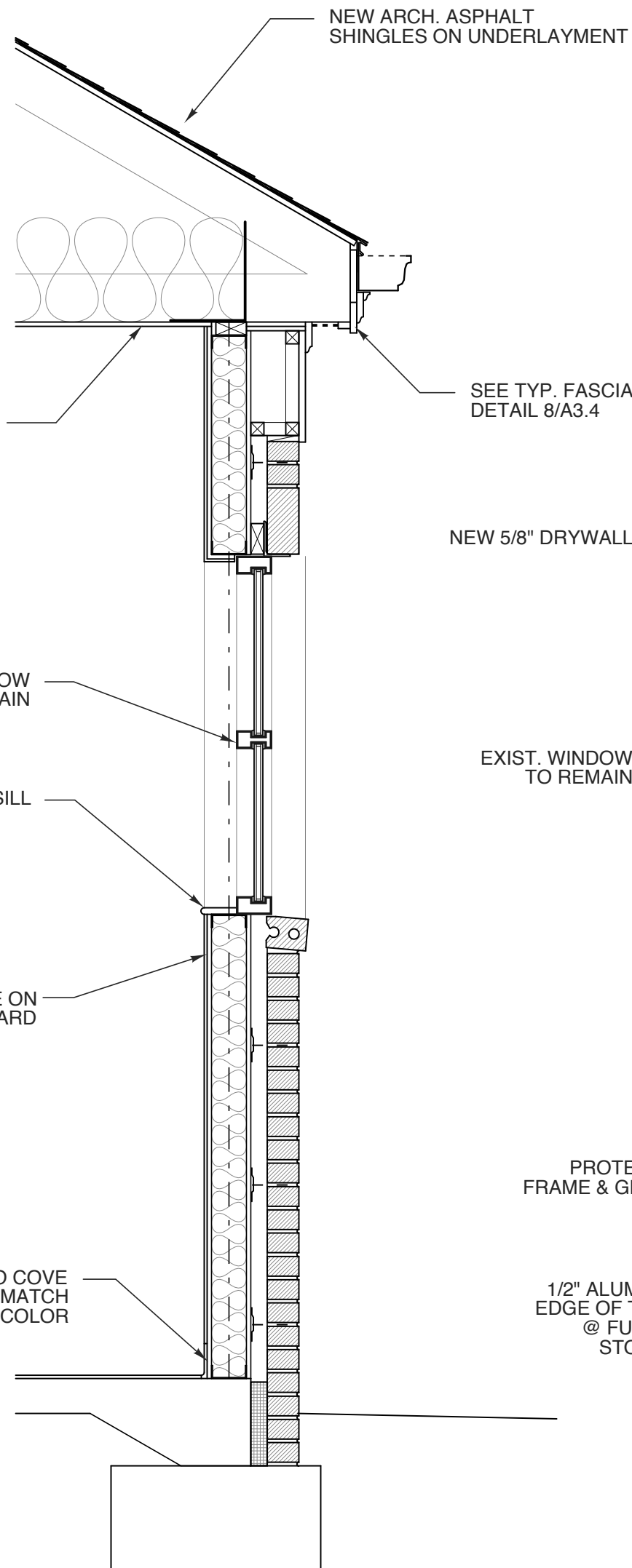
7 TRAY CEILING
SCALE: 1 1/2" = 1'-0"



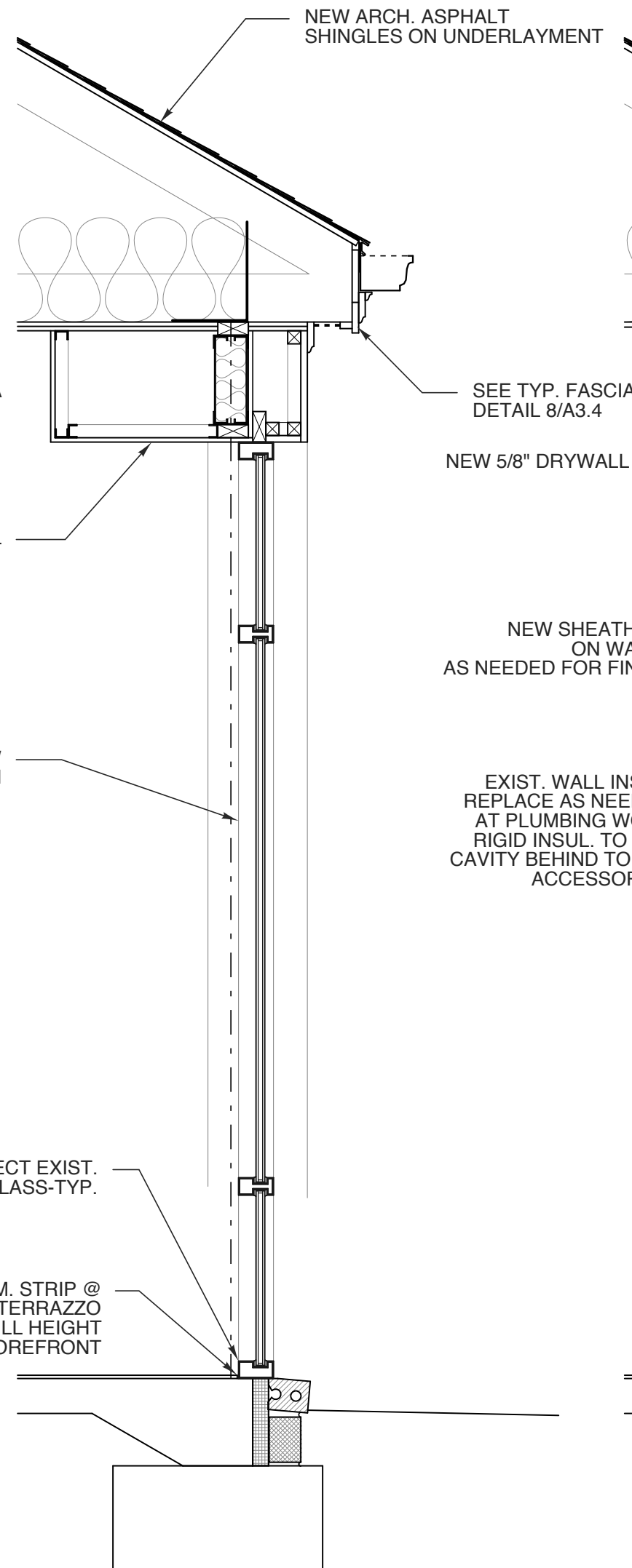
6 TYP. INT. WALL SECT.
SCALE: 3/4" = 1'-0"



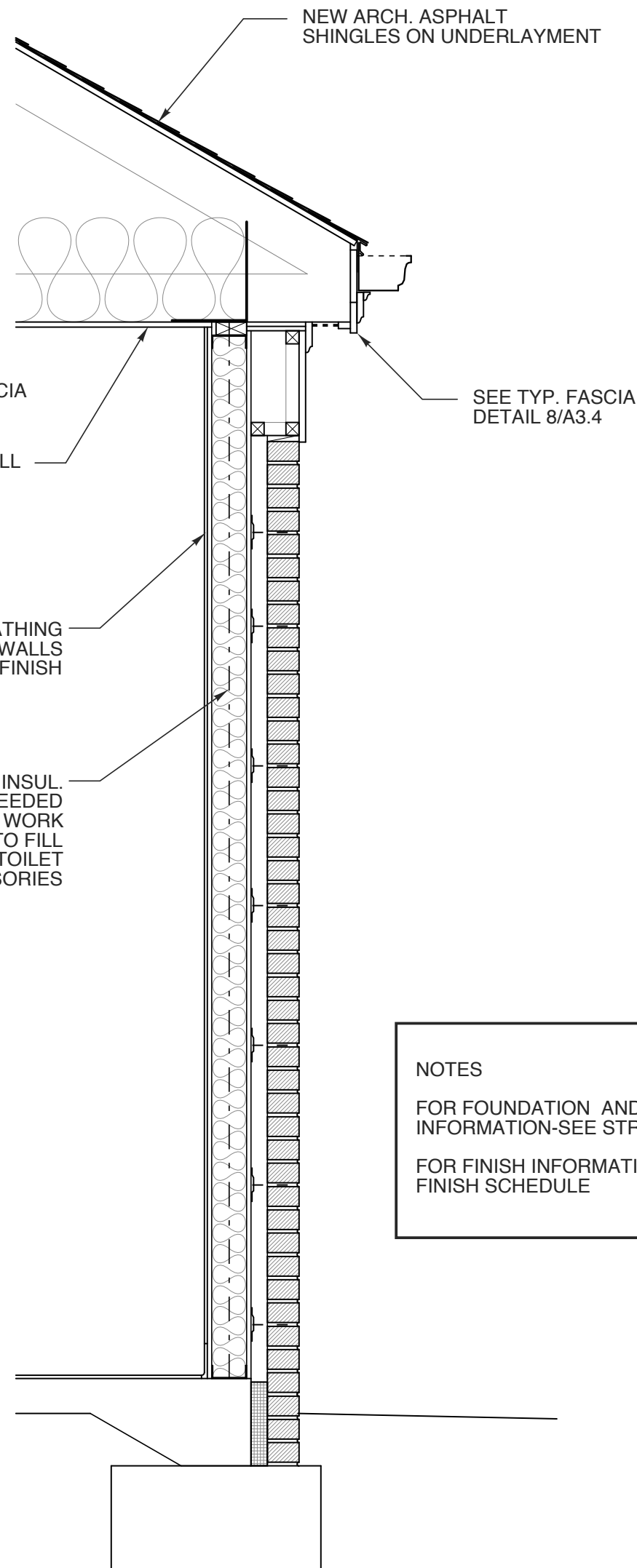
5 GLASS BLOCK WALL SECT.
SCALE: 3/4" = 1'-0"



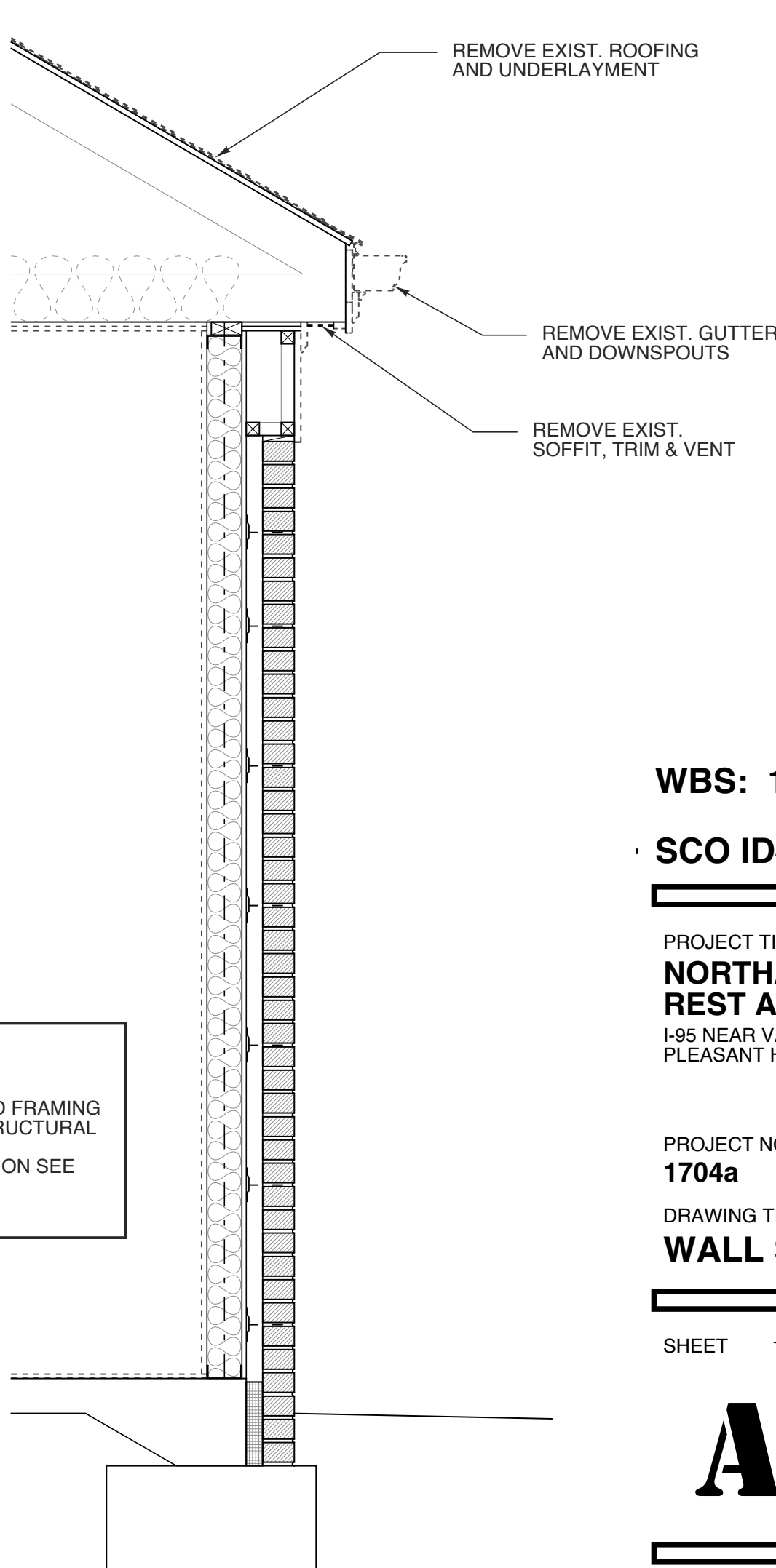
4 EXT. WALL SECT.
SCALE: 3/4" = 1'-0"



3 EXT. WALL SECT.
SCALE: 3/4" = 1'-0"



2 TYP. EXT. WALL SECT.
SCALE: 3/4" = 1'-0"



1 TYP EXIST. EXT. WALL SECT.
SCALE: 3/4" = 1'-0"

NOTES
FOR FOUNDATION AND FRAMING
INFORMATION-SEE STRUCTURAL
FOR FINISH INFORMATION SEE
FINISH SCHEDULE

new work notes

demo notes

WBS: 15RE.10.3

SCO ID# 18-19070-01A

PROJECT TITLE
**NORTHAMPTON CTY.
REST AREA-RENOV.**
I-95 NEAR VA STATE LINE
PLEASANT HILL, NORTH CAROLINA

PROJECT NO.
1704a

DRAWING TITLE
WALL SECTION

SHEET 14 OF 20

A3.4

PLOT DATE 9/18/18
REVISION 00/00/08

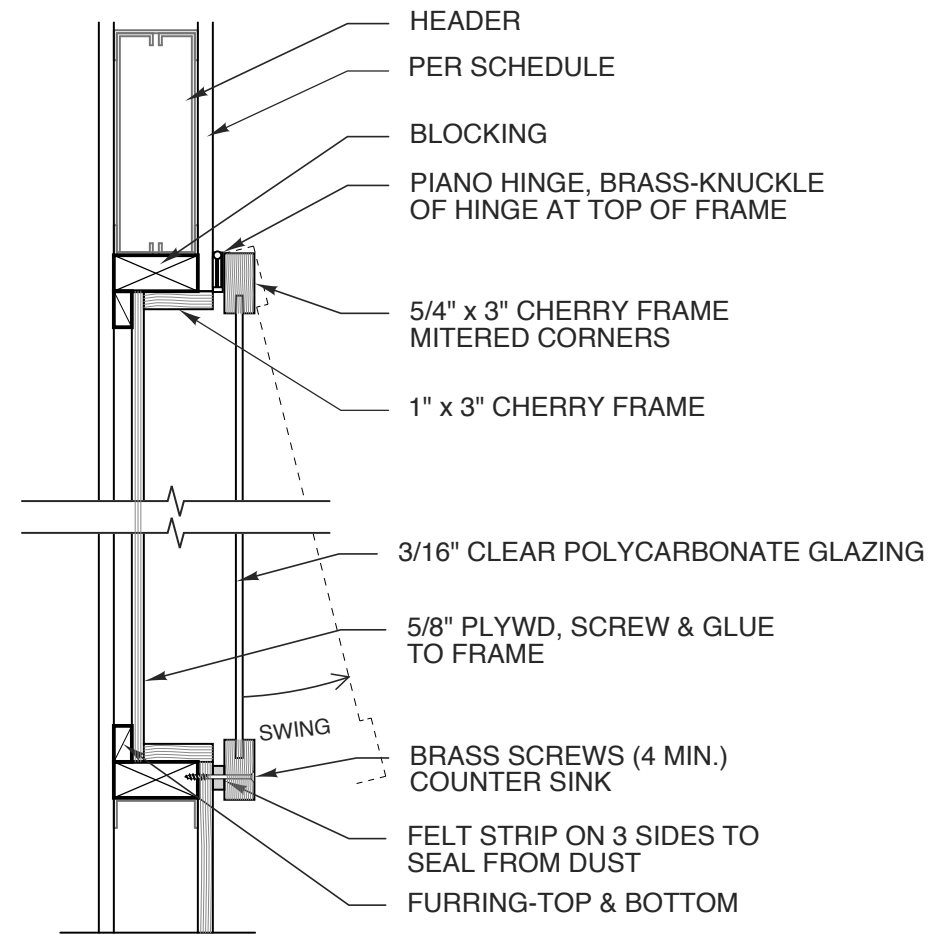
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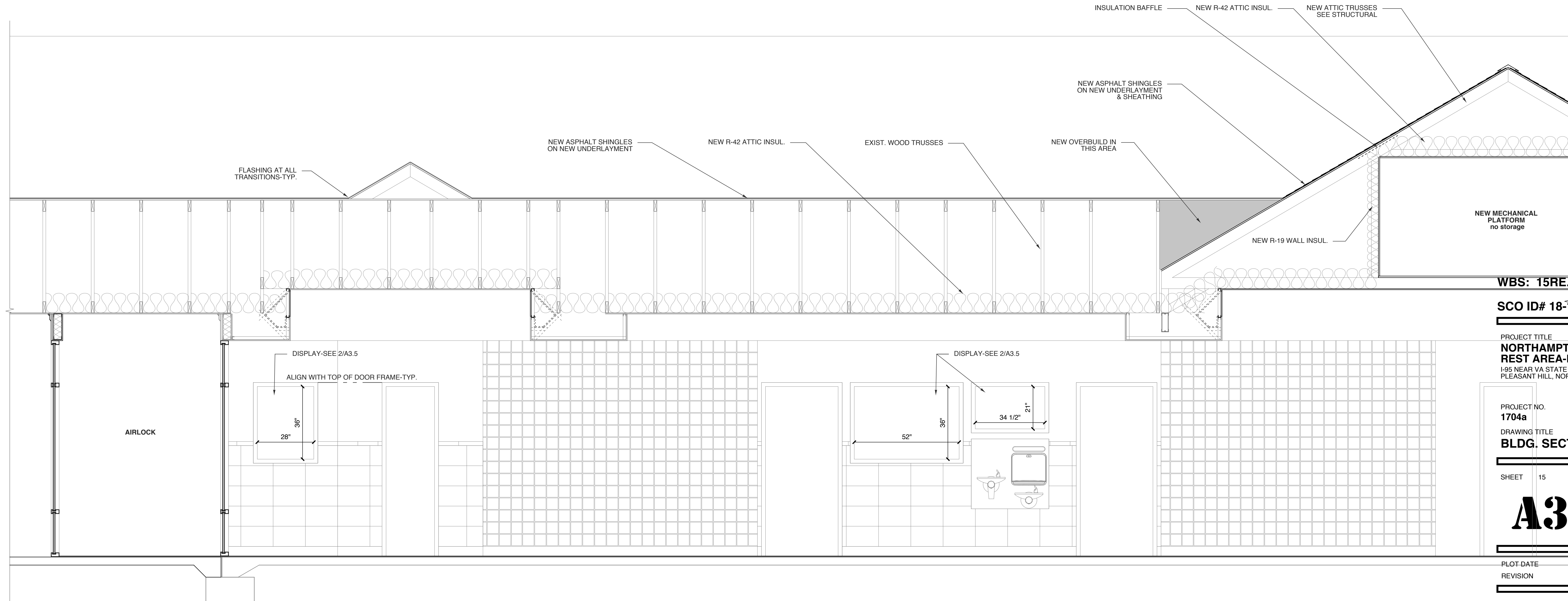
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2 DISPLAY DETAIL

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



WBS: 15RE.10.3

SCO ID# 18-19070-01A

PROJECT TITLE
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REST AREA-RENOV.**
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PLEASANT HILL, NORTH CAROLINA

PROJECT NO.
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DRAWING TITLE
BLDG. SECTION

SHEET 15 OF 20

A3.5

PLOT DATE 9/18/18
REVISION 00/00/08

1 BLDG. SECTION-REVISED

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

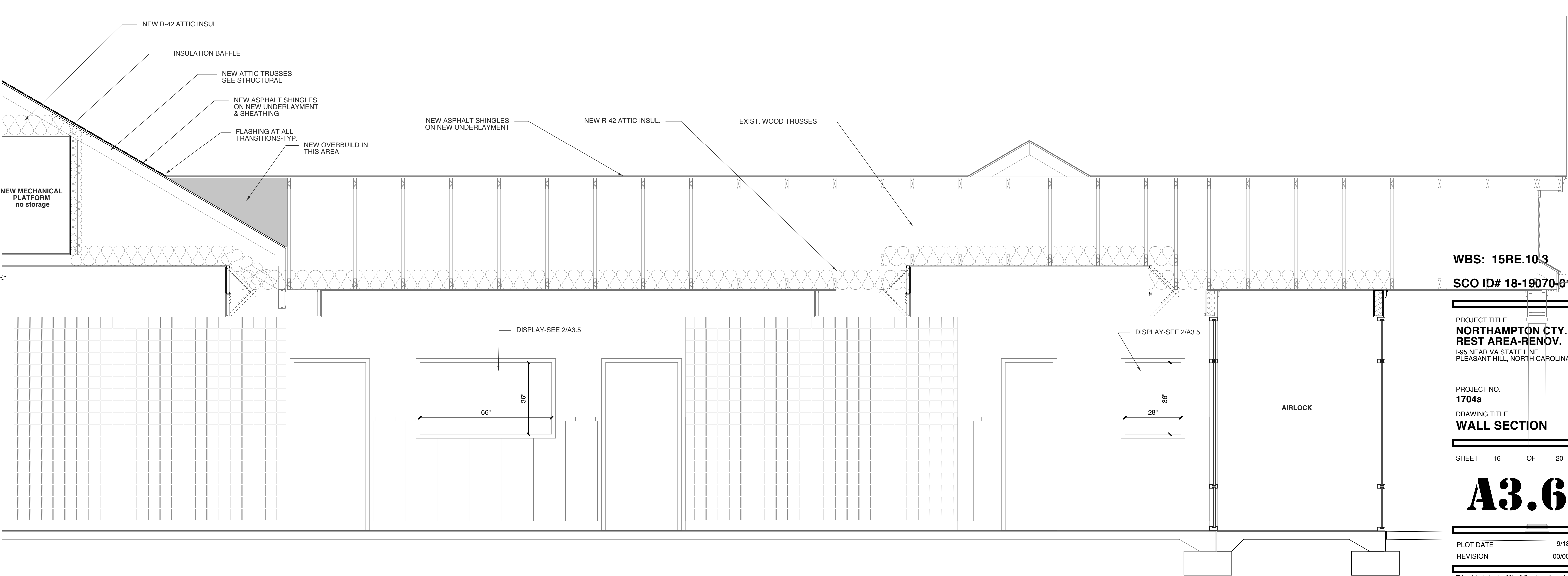
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WBS: 15RE.10.3

SCO ID# 18-19070-01A

PROJECT TITLE
**NORTHAMPTON CTY.
REST AREA-RENOV.**
I-95 NEAR VA STATE LINE
PLEASANT HILL, NORTH CAROLINA

PROJECT NO.
1704a

DRAWING TITLE
WALL SECTION

SHEET 16 OF 20

A3.6

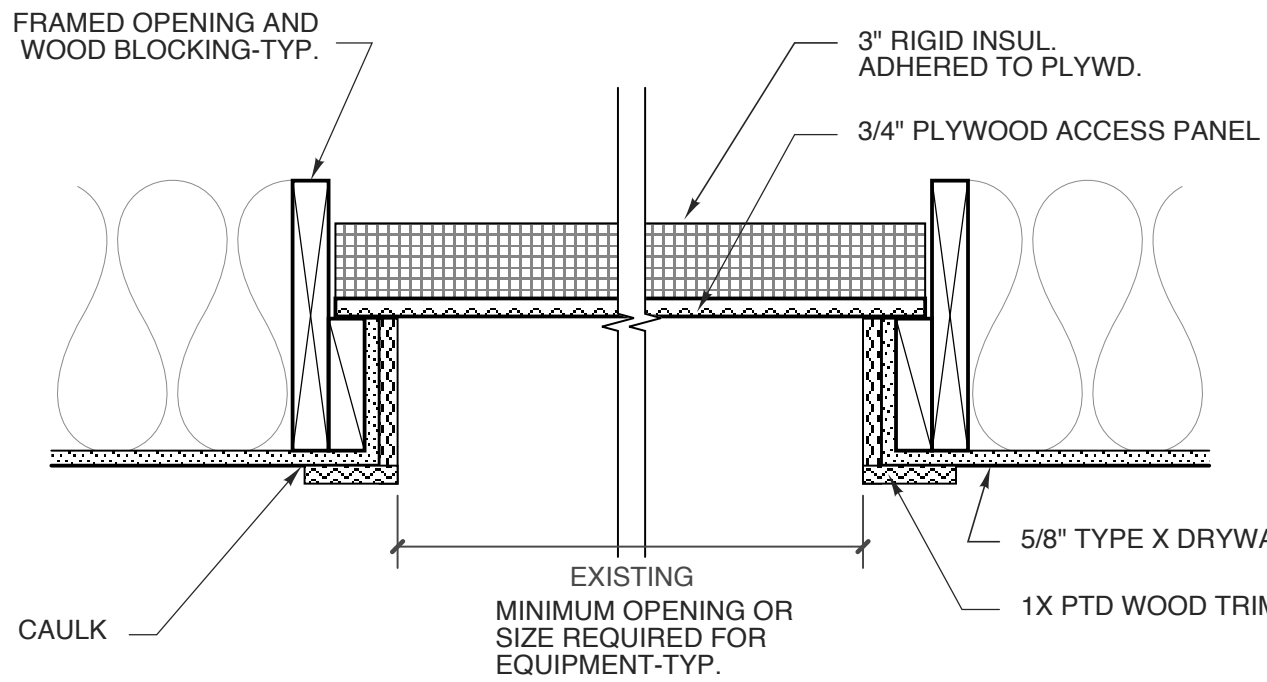
PLOT DATE 9/18/18
REVISION 00/00/08

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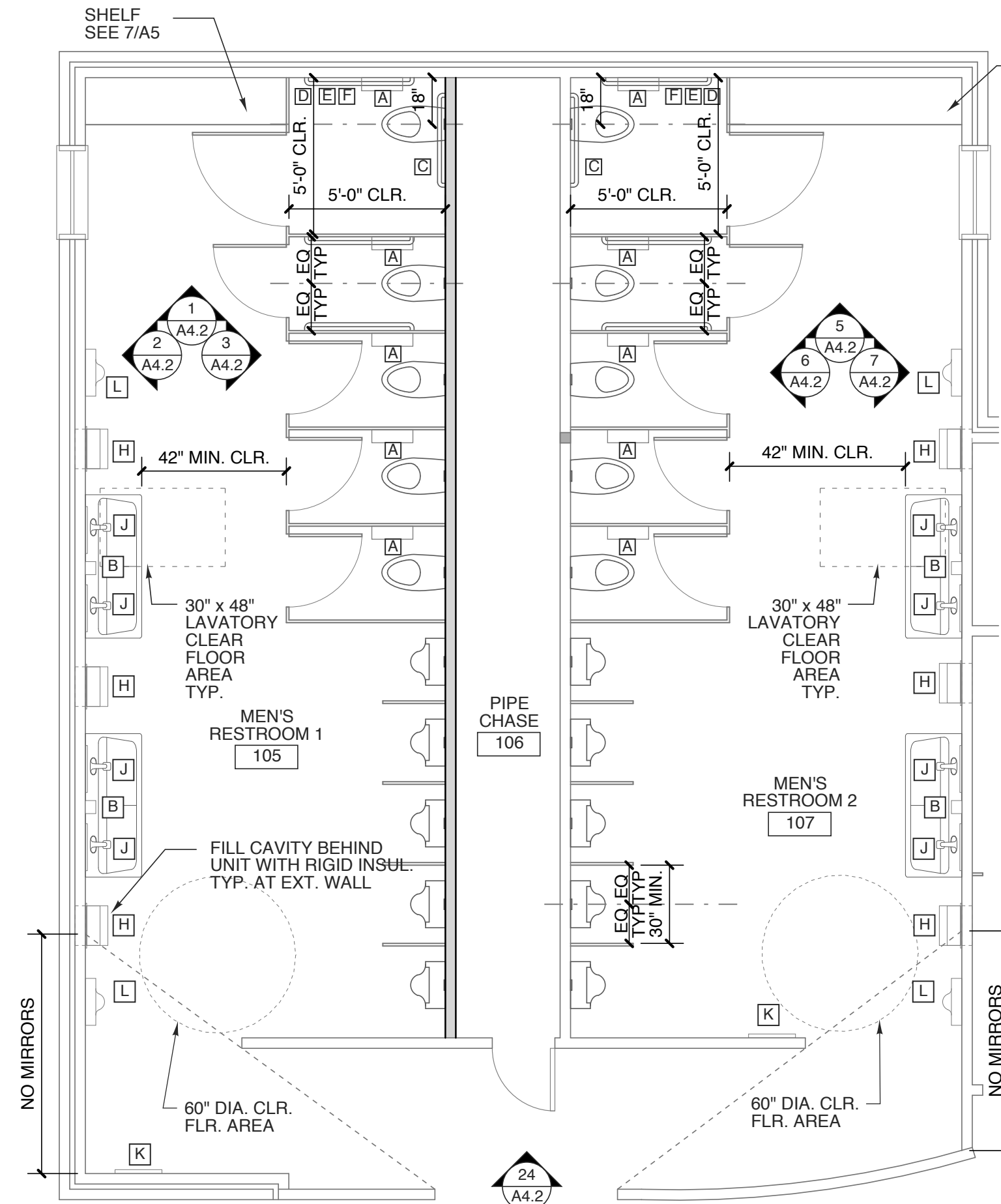
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TOILET ACCESSORY SCHEDULE					
MARK	ITEM	MOUNT	MARK	ITEM	MOUNT
A	SURFACE-MOUNTED MULTI-ROLL TOILET TISSUE DISPENSER (B-2892)	28" MIN. 48" MAX. A.F.S.	H	RECESSED FOLDED PAPER TOWEL DISP. AND WASTE RECEPTACLE (B-43944)	RE: ELEV.
B	AUTOMATIC HANDS FREE LIQUID SOAP DISPENSER (AJW U135 EA)	42" MAX. A.F.S.	J	WELDED FRAME MIRROR (B-2908-1830)	RE: ELEV.
C	36" HORIZONTAL GRAB BAR (B-6806.99 X 36)	33"-36" A.F.S.	K	WELDED FRAME MIRROR (B-2908-1860)	RE: ELEV.
D	42" HORIZONTAL GRAB BAR (B-6806.99 X 42)	33"-36" A.F.S.	L	AUTOMATIC HAND DRYER EXCEL XLERATOR XL-SB	48" A.F.S.
E	18" VERTICAL GRAB BAR (B-6806.99 X 18)	RE: ELEV.	M	SS MOP & BROOM HOLDER (B-223 X 24)	60"-72" A.F.S.
F	RECESSED SANITARY NAPKIN DISPOSAL (B-4353)	25"-30" A.F.S.	N	RECESSED FOLDED PAPER TOWEL DISP. AND WASTE RECEPTACLE (B-4369)	RE: ELEV.
G	PARTITION MOUNTED SANITARY NAPKIN DISPOSAL (B-4354)	25"-30" A.F.S.			
MANUFACTURER: BOBRICK WASHROOM EQUIPMENT U.N.O. OR APPROVED EQUAL-SEE SPECIFICATION FINISH: SATIN STAINLESS STEEL					
NOTE: GC TO INSTALL BLOCKING FOR ALL TOILET ACCESSORIES AND TOILET PARTITIONS AS REQ'D					

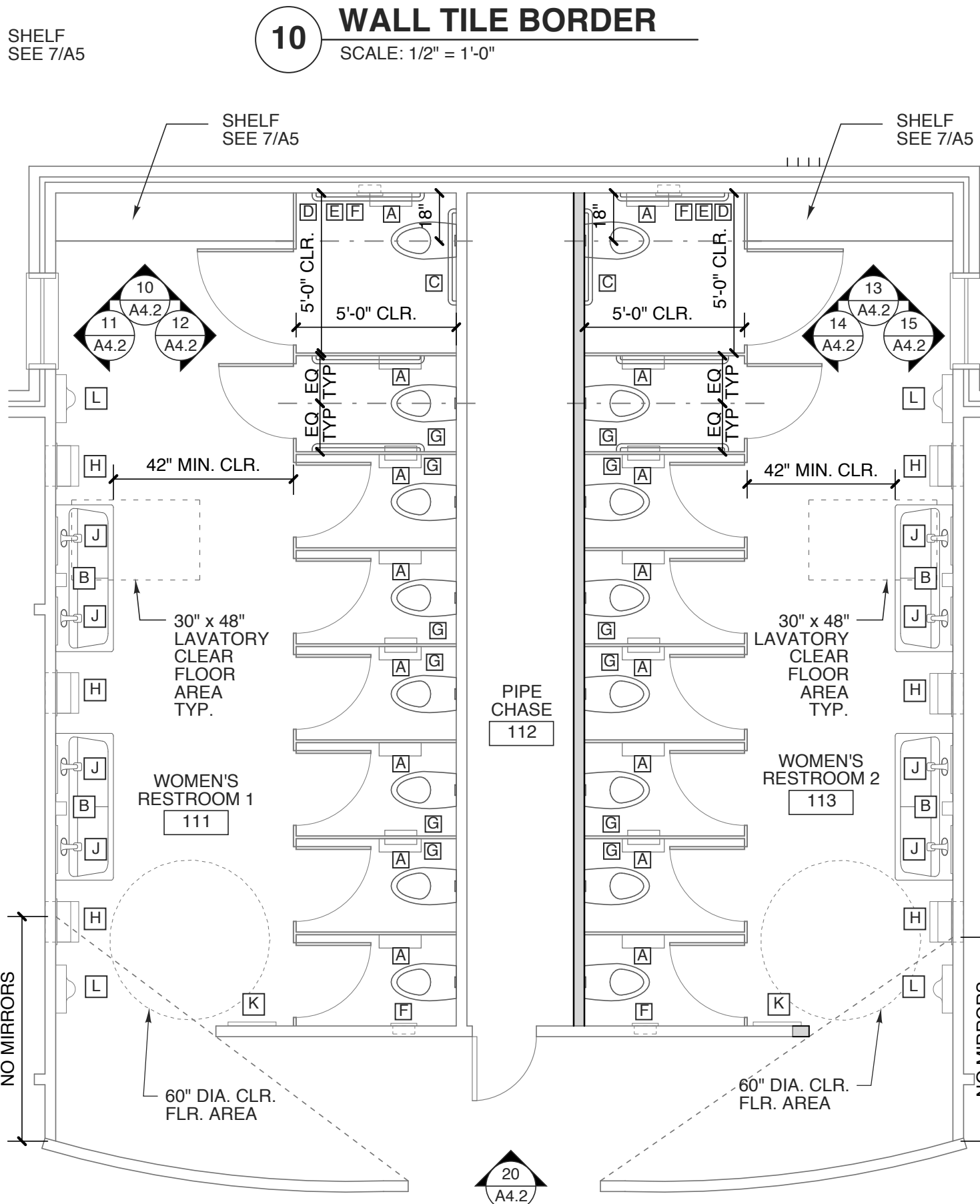
NOTES
FOR FOUNDATION AND FRAMING INFORMATION-SEE STRUCTURAL
FOR FINISH INFORMATION SEE FINISH SCHEDULE



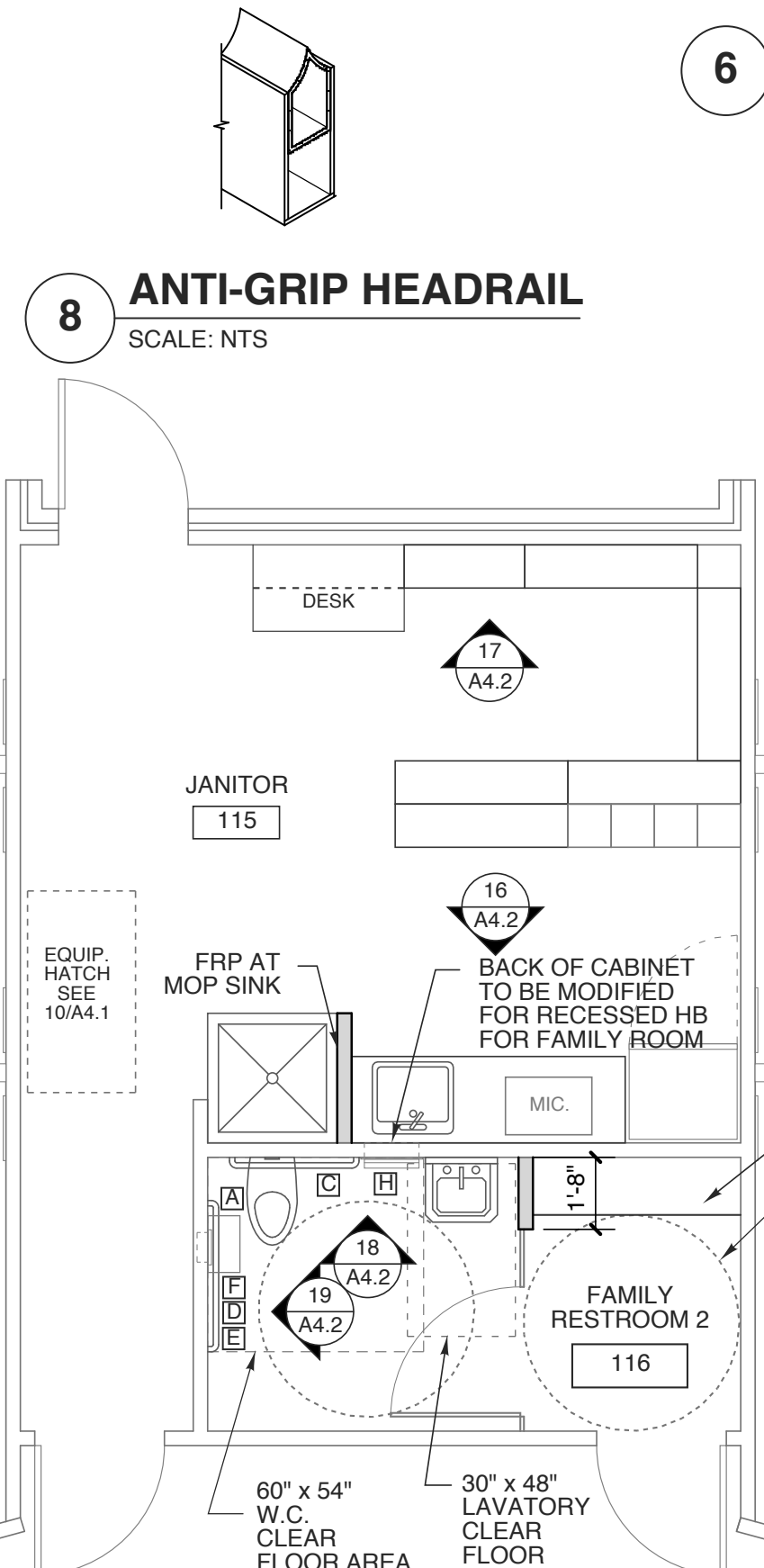
11 ACCESS DOOR DETAIL
SCALE: 1 1/2" = 1'-0"



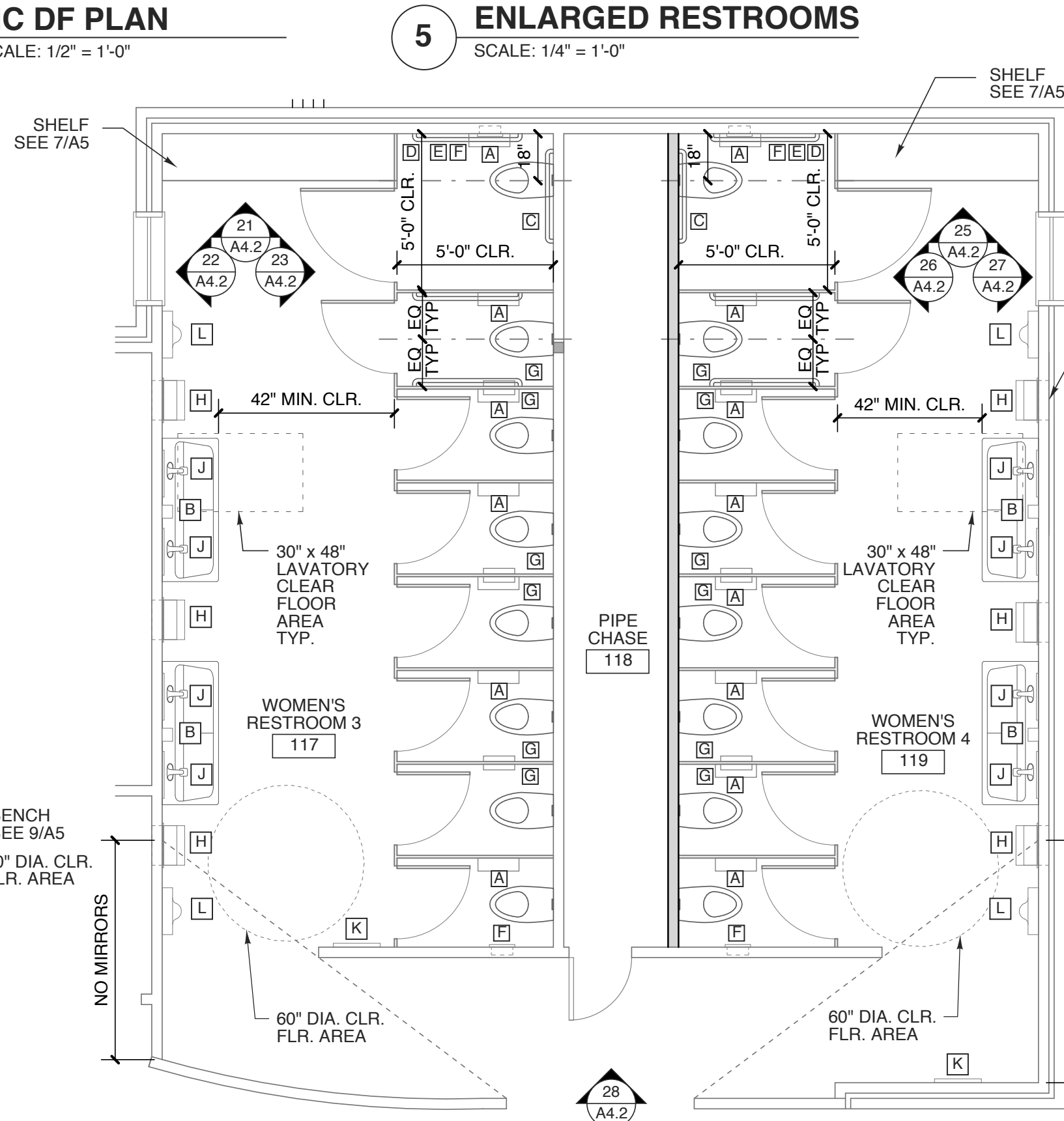
4 ENLARGED RESTROOMS
SCALE: 1/4" = 1'-0"



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

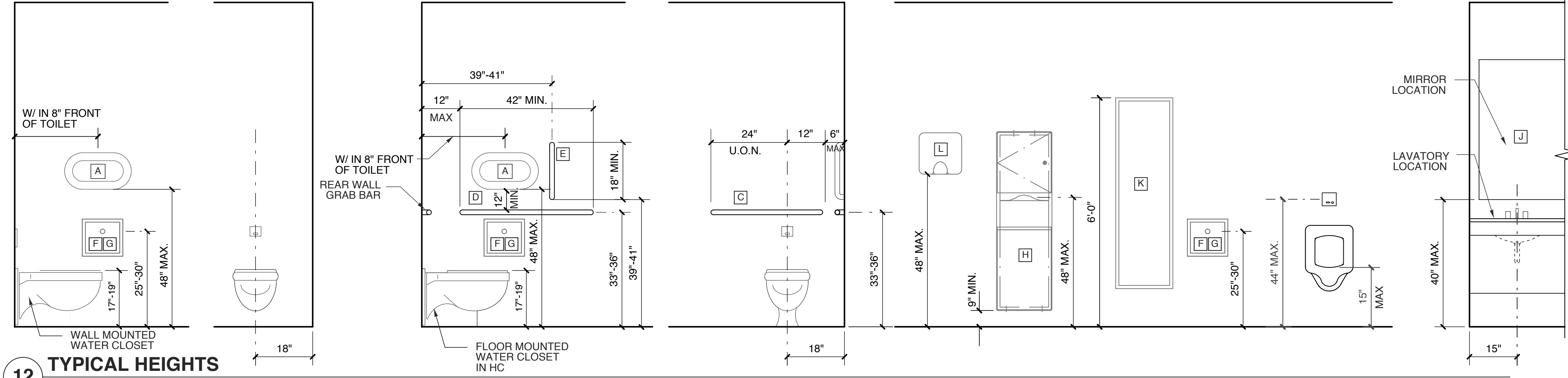


2 ENLARGED RESTROOMS
SCALE: 1/4" = 1'-0"

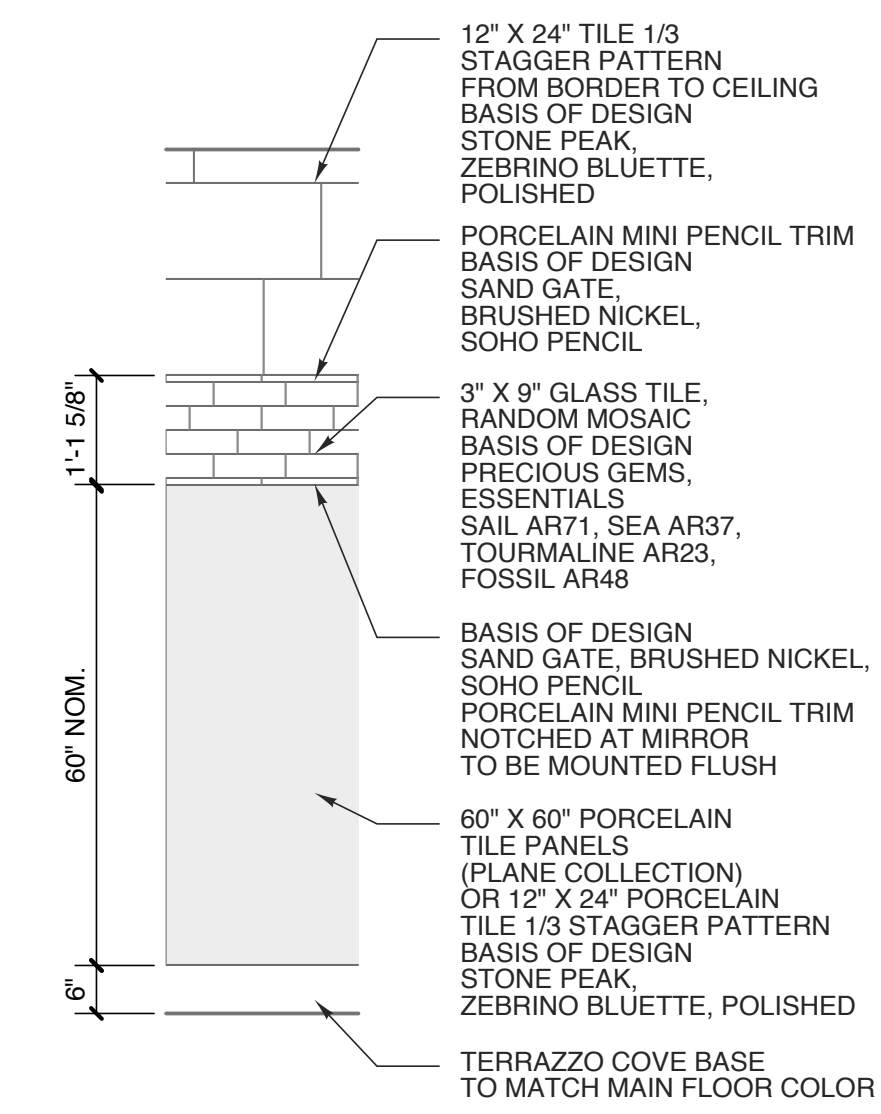


1 ENLARGED RESTROOMS
SCALE: 1/4" = 1'-0"

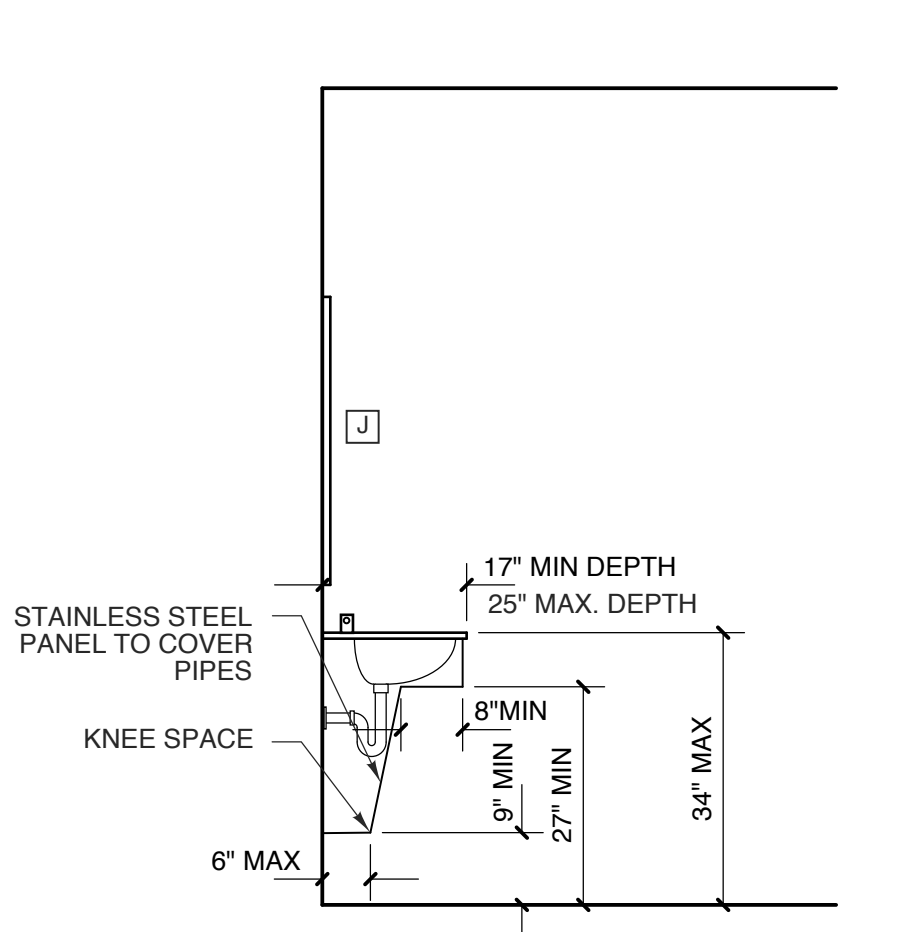
12 TYPICAL HEIGHTS



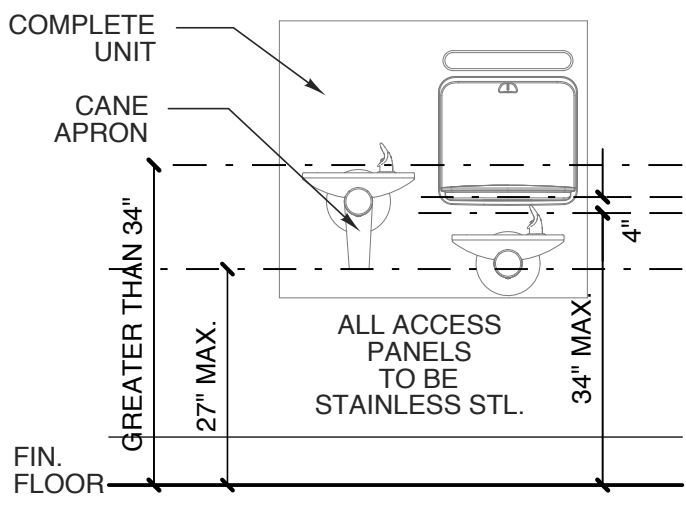
10 WALL TILE BORDER
SCALE: 1/2" = 1'-0"



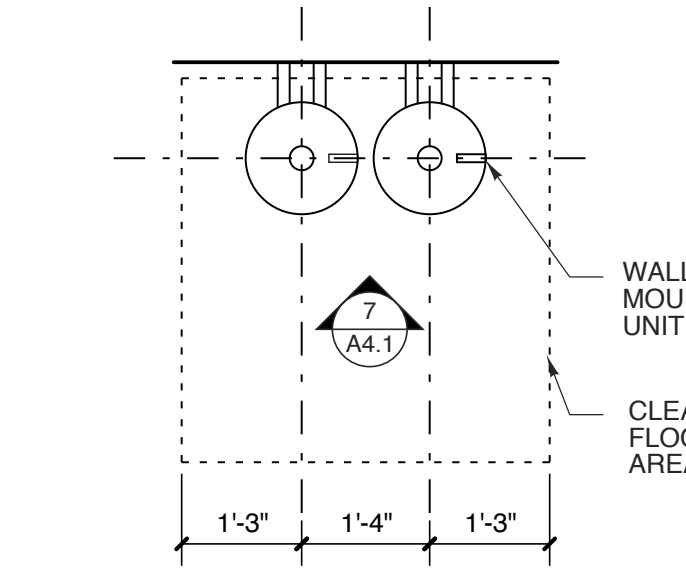
9 LAV. SECTION
SCALE: 1/2" = 1'-0"



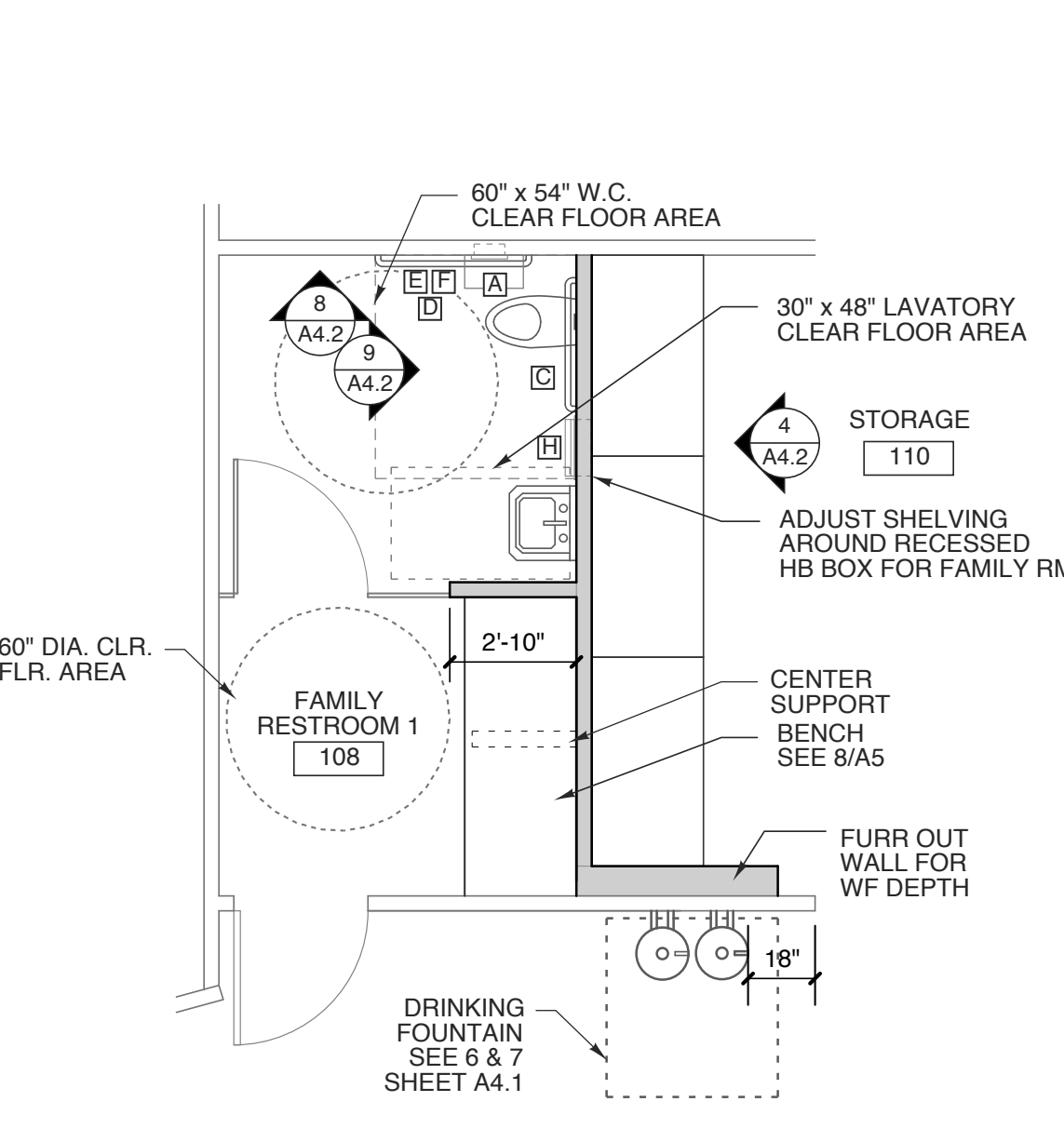
7 HC DF ELEVATION
SCALE: 1/2" = 1'-0"



6 HC DF PLAN
SCALE: 1/2" = 1'-0"



5 ENLARGED RESTROOMS
SCALE: 1/4" = 1'-0"



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9/18/2018 7:46:48 PM EDT

FILL CAVITY BEHIND UNIT WITH RIGID INSUL.-TYP AT EXT. WALL

WBS: 15RE.10.3
SCO ID# 18-19070-01A

PROJECT TITLE
**NORTHAMPTON CTY.
REST AREA-RENOV.**
I-95 NEAR VA STATE LINE
PLEASANT HILL, NORTH CAROLINA

PROJECT NO.
1704a

DRAWING TITLE
ENLARGED PLANS

SHEET 17 OF 20

A4.1

PLOT DATE 9/18/18
REVISION 00/00/08

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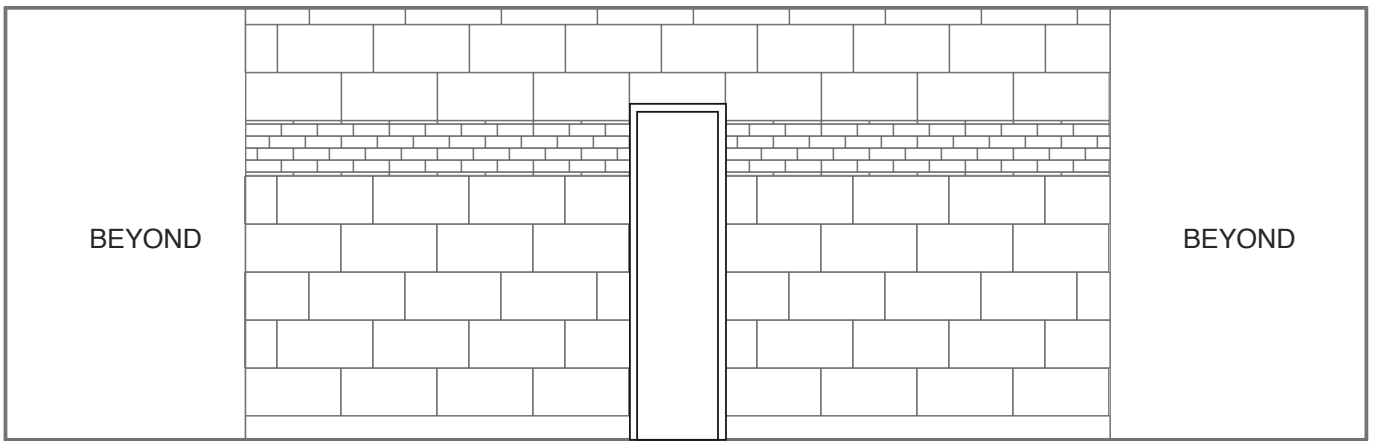
TILE NOTES

WALL TILE TO BE APPLIED TO CEMENT BOARD AS RECOMMENDED BY MANUFACTURER

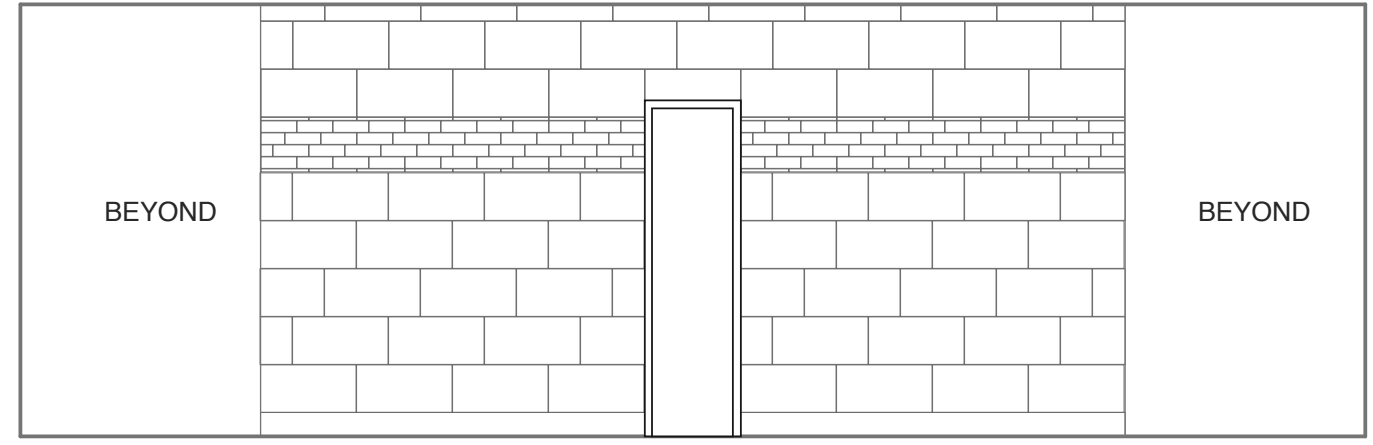
GROUT JOINTS TO BE 1/8".

ALL GROUT TO BE EPOXY.

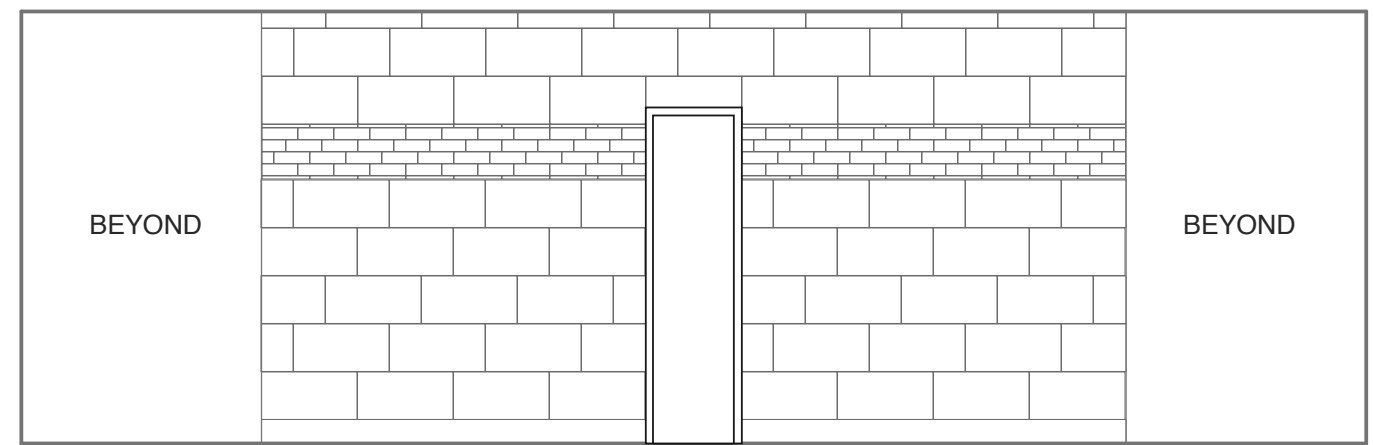
CAULK ALL INSIDE CORNERS AT TILE



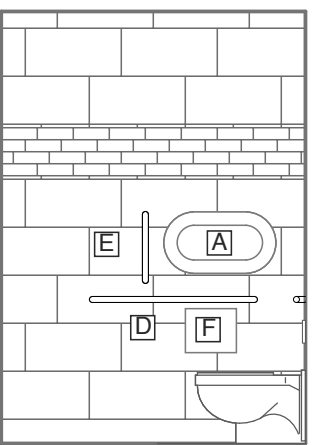
28 RESTROOM LOBBY ELEVATION
SCALE: 1/4" = 1'-0"



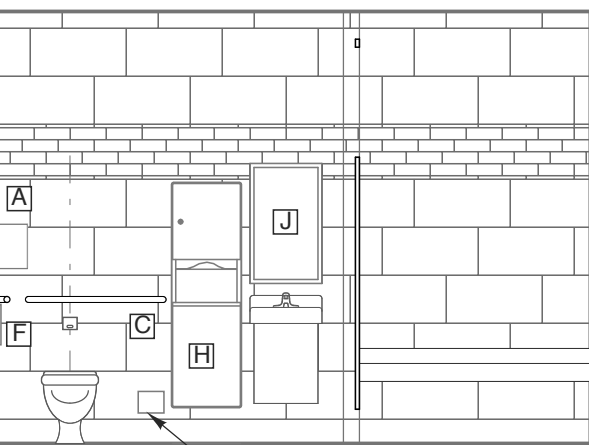
24 RESTROOM LOBBY ELEVATION
SCALE: 1/4" = 1'-0"



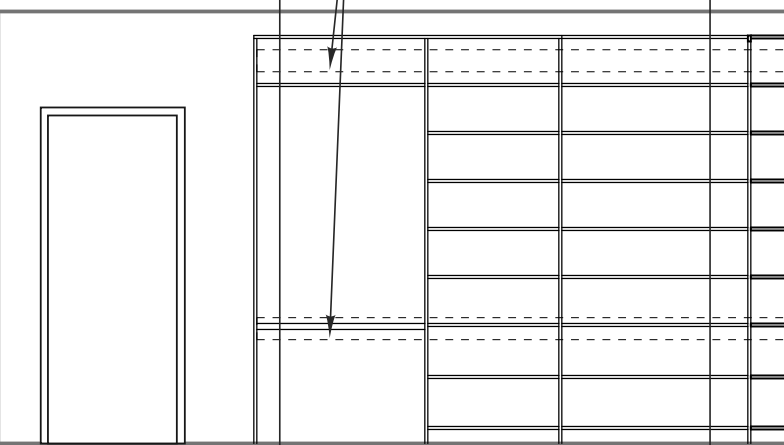
20 RESTROOM LOBBY ELEVATION
SCALE: 1/4" = 1'-0"



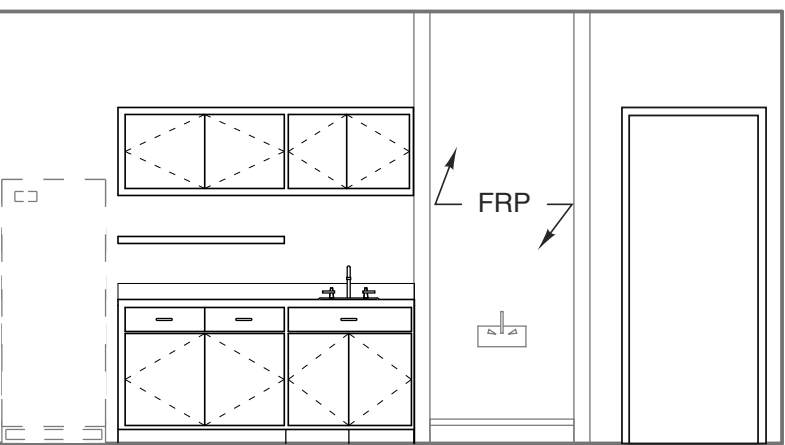
19 ROOM 116 ELEVATION
SCALE: 1/4" = 1'-0"



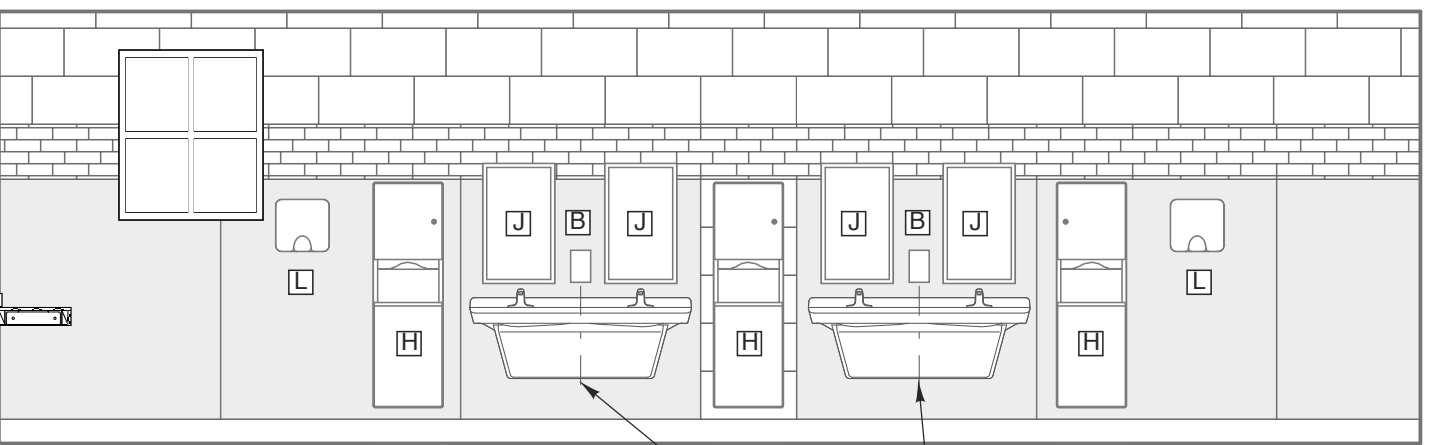
18 ROOM 116 ELEVATION
SCALE: 1/4" = 1'-0"



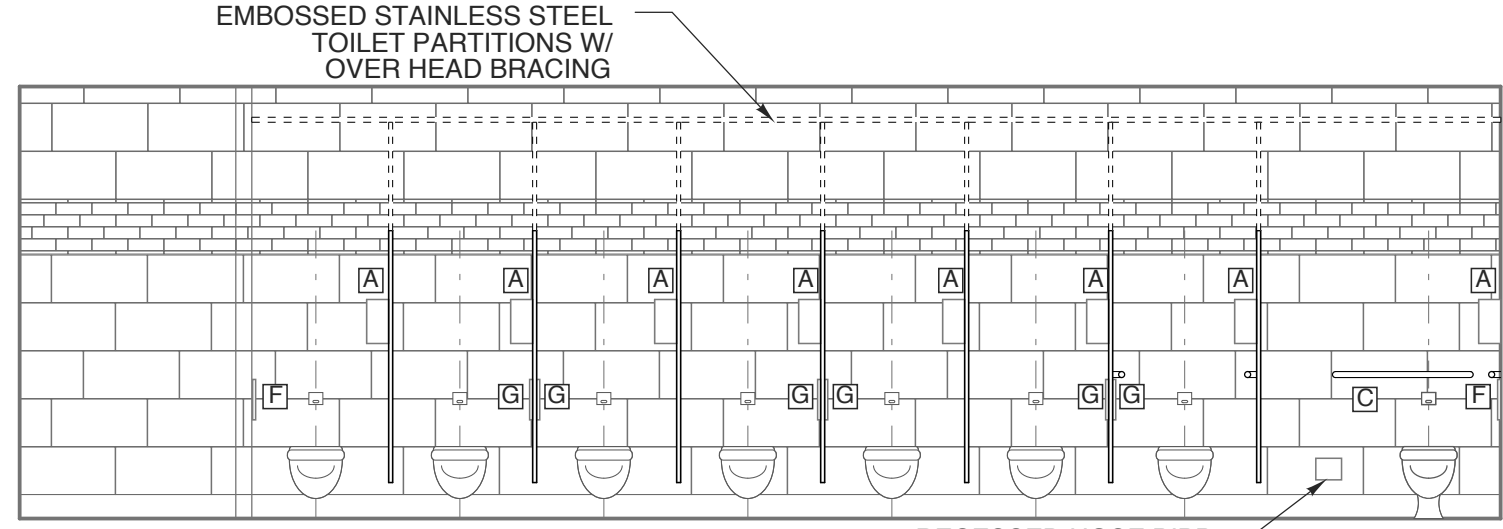
17 ROOM 115 ELEVATION
SCALE: 1/4" = 1'-0"



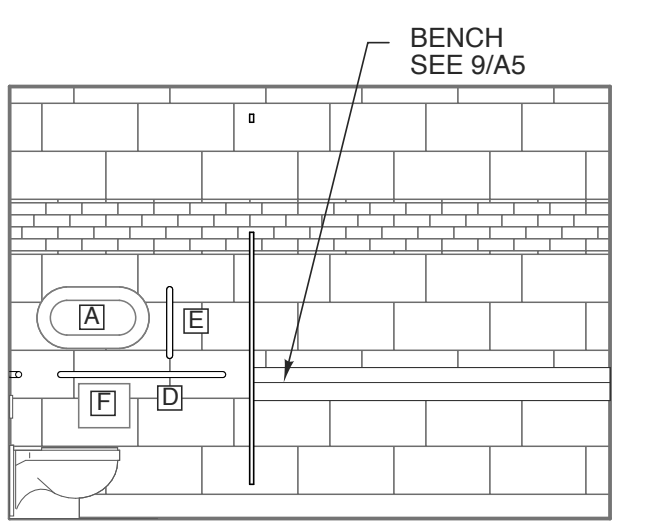
16 ROOM 115 ELEVATION
SCALE: 1/4" = 1'-0"



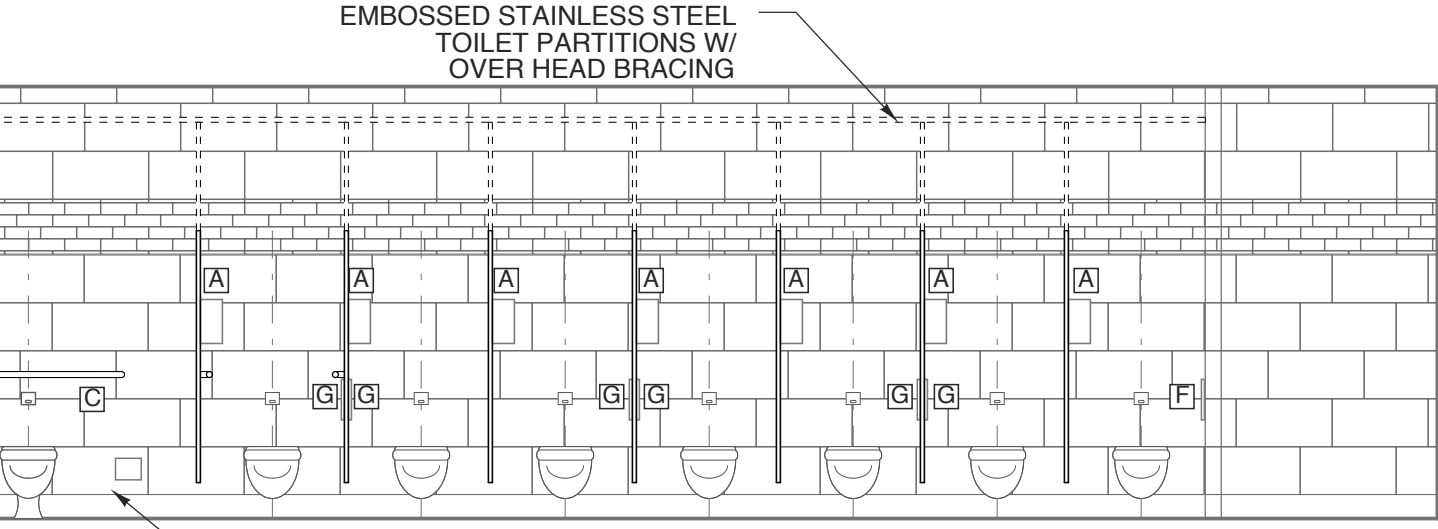
15 ROOM 113 ELEVATION
SCALE: 1/4" = 1'-0"



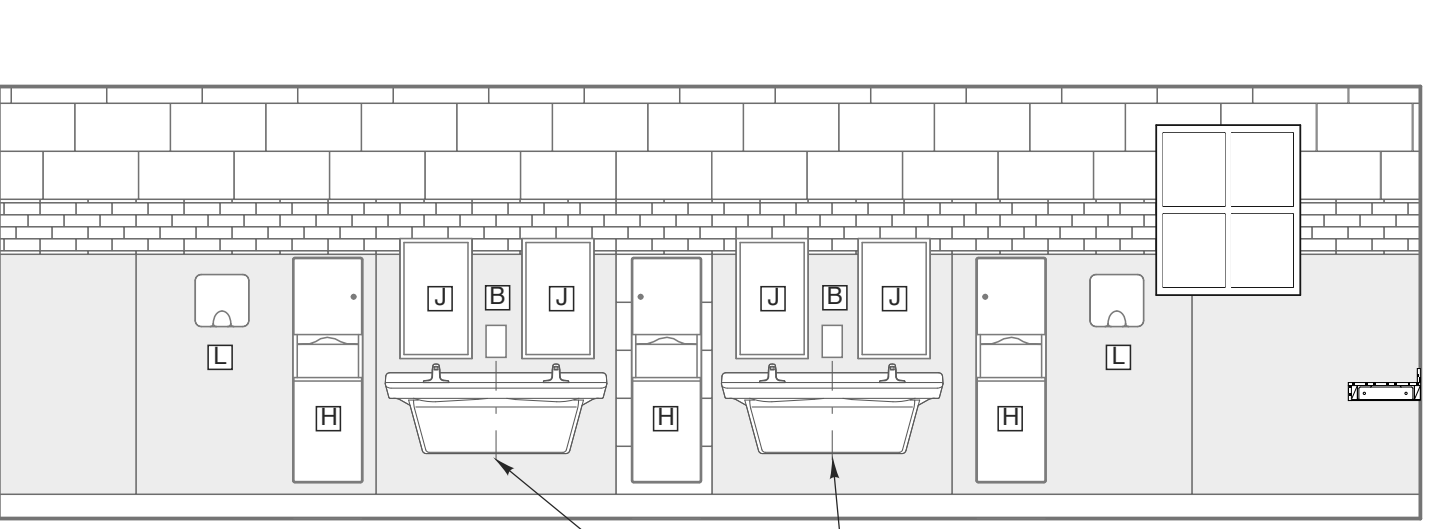
14 ROOM 113 ELEVATION
SCALE: 1/4" = 1'-0"



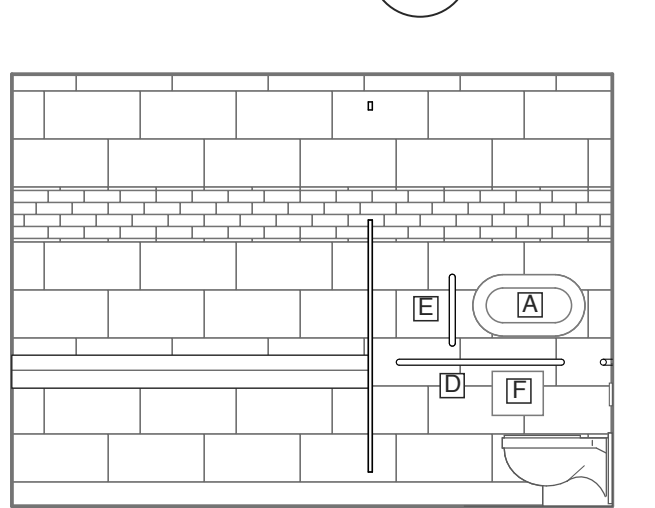
13 ROOM 113 ELEVATION
SCALE: 1/4" = 1'-0"



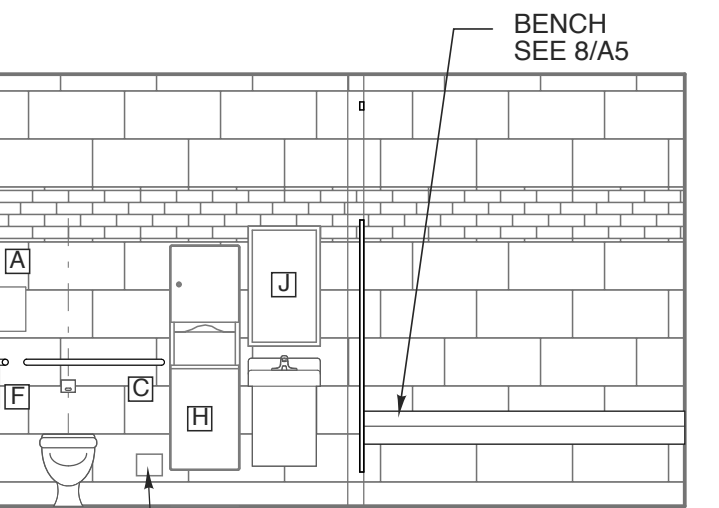
12 ROOM 111 ELEVATION
SCALE: 1/4" = 1'-0"



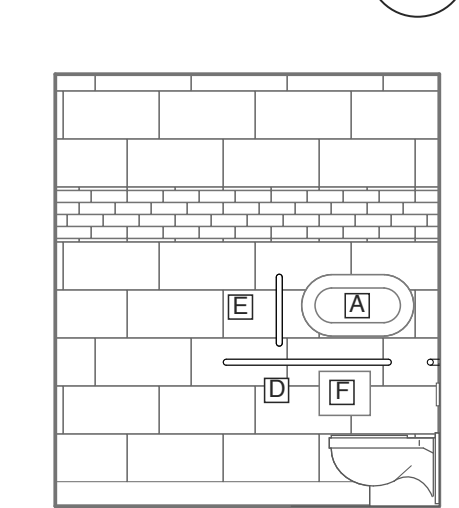
11 ROOM 111 ELEVATION
SCALE: 1/4" = 1'-0"



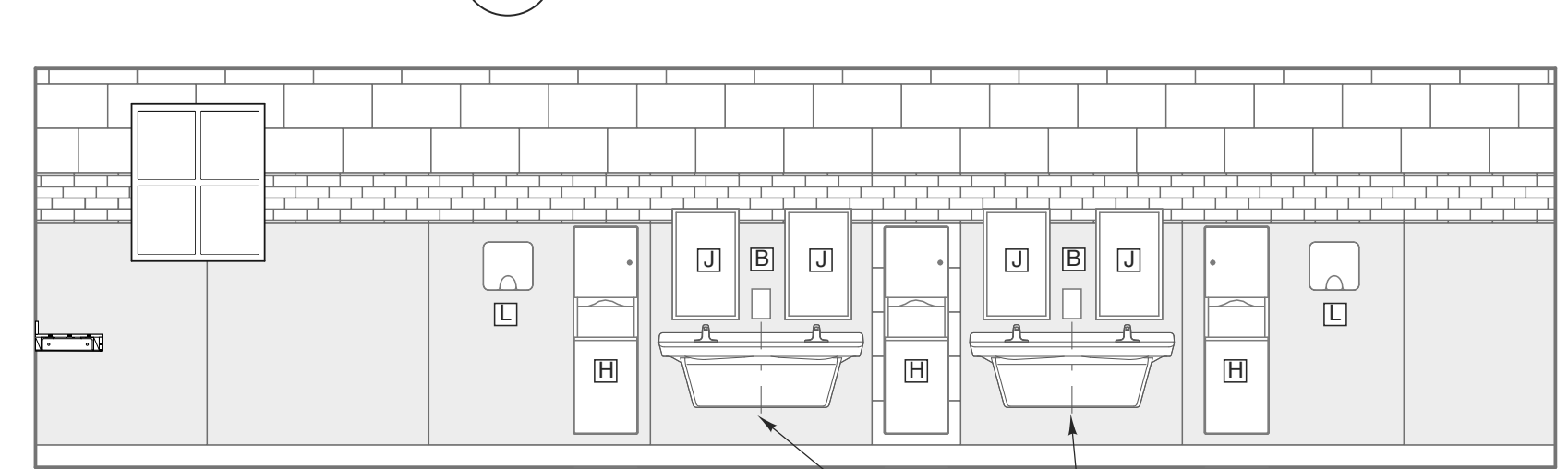
10 ROOM 111 ELEVATION
SCALE: 1/4" = 1'-0"



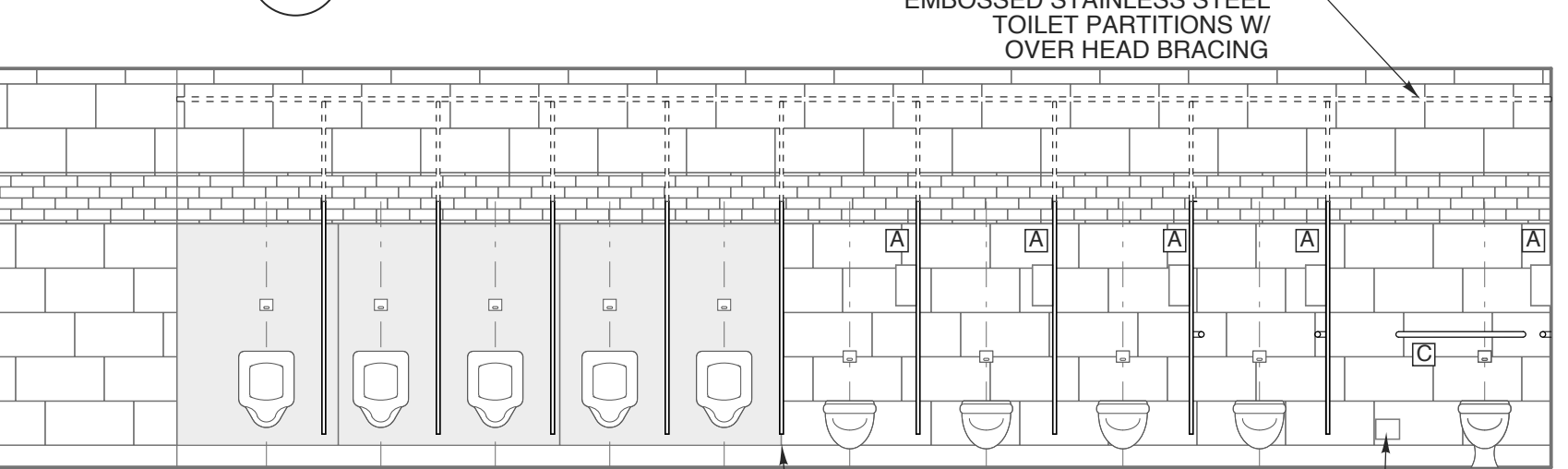
9 ROOM 108 ELEVATION
SCALE: 1/4" = 1'-0"



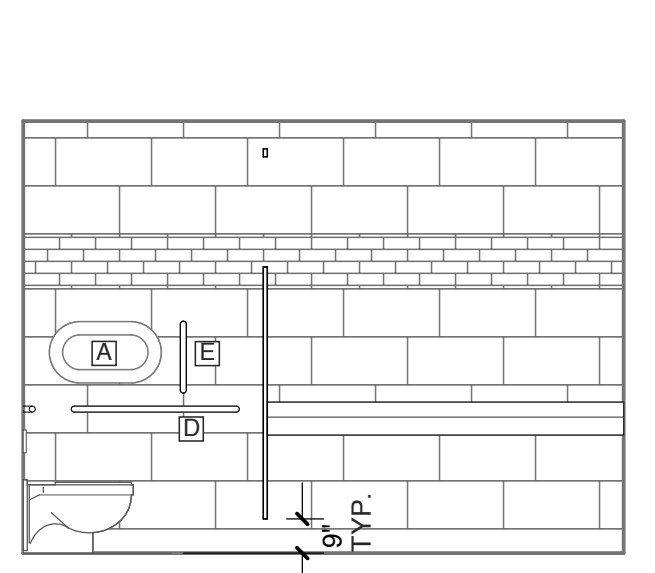
8 ROOM 108 ELEVATION
SCALE: 1/4" = 1'-0"



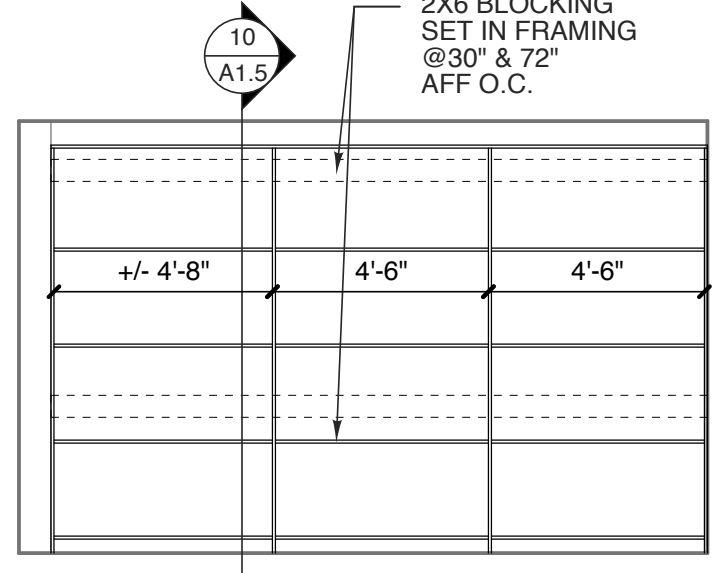
7 ROOM 107 ELEVATION
SCALE: 1/4" = 1'-0"



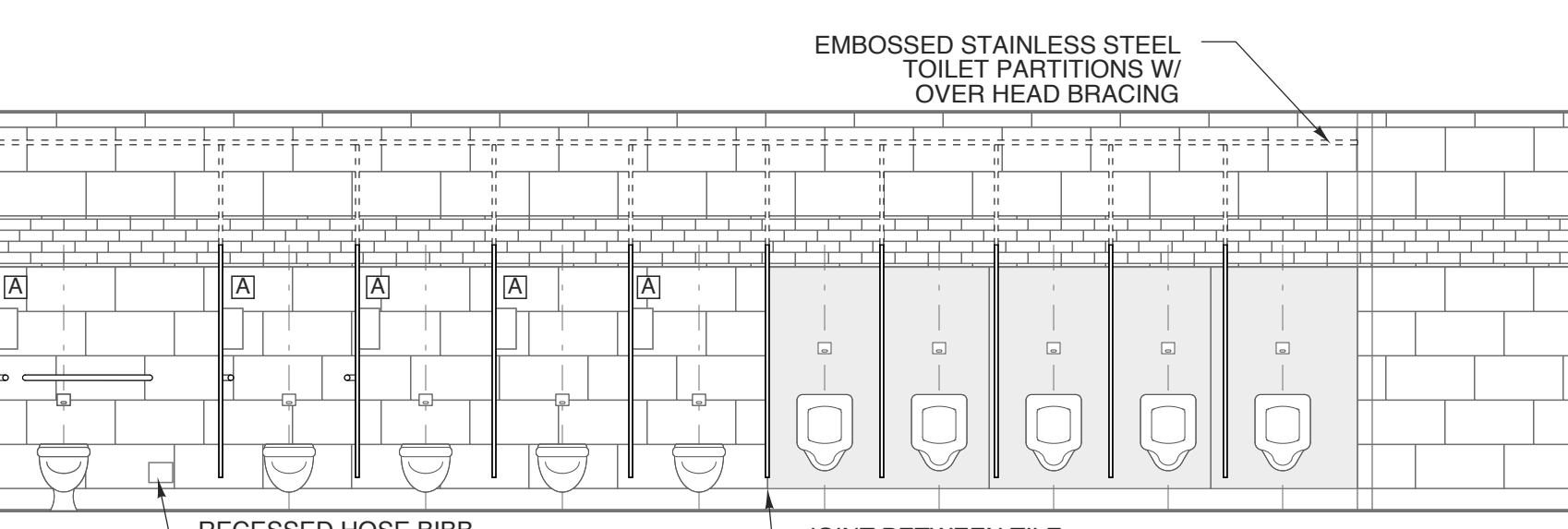
6 ROOM 107 ELEVATION
SCALE: 1/4" = 1'-0"



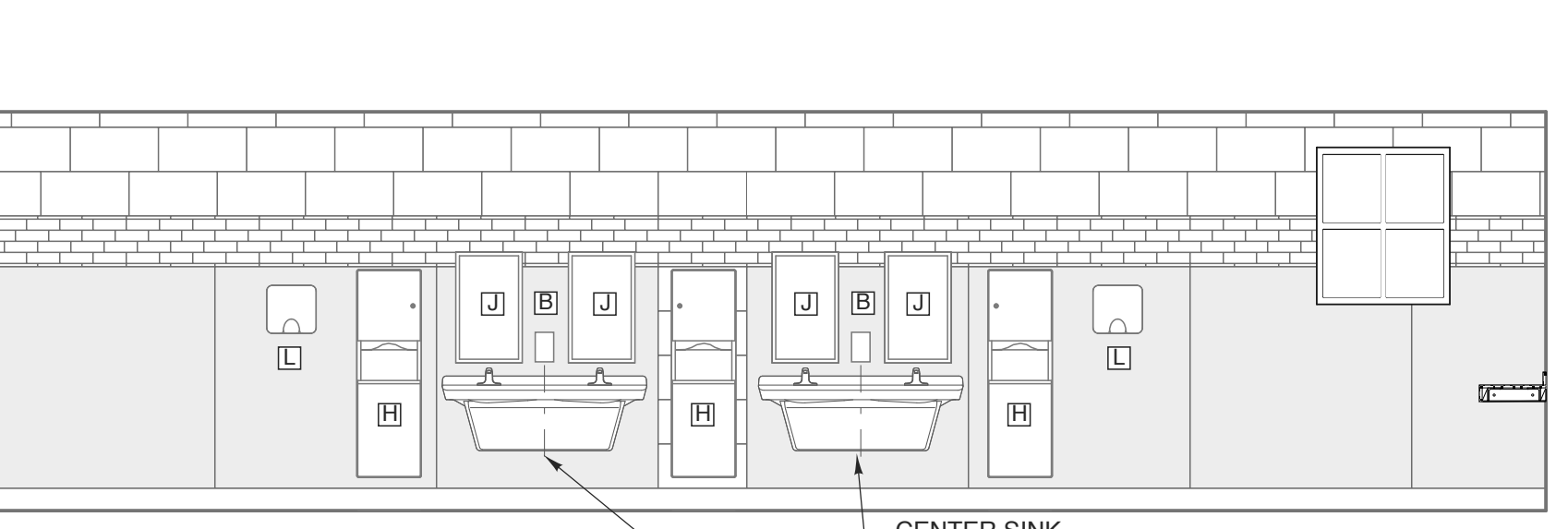
5 ROOM 107 ELEVATION
SCALE: 1/4" = 1'-0"



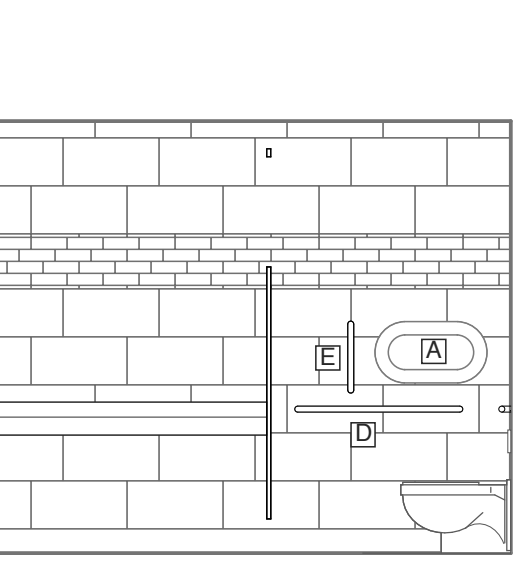
4 ROOM 107 ELEVATION
SCALE: 1/4" = 1'-0"



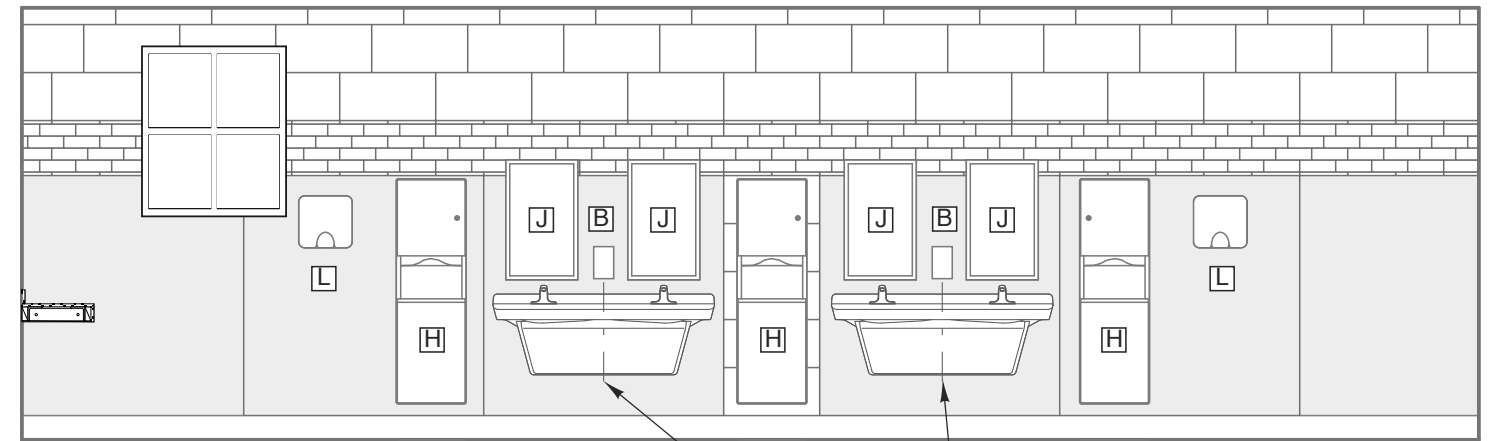
3 ROOM 105 ELEVATION
SCALE: 1/4" = 1'-0"



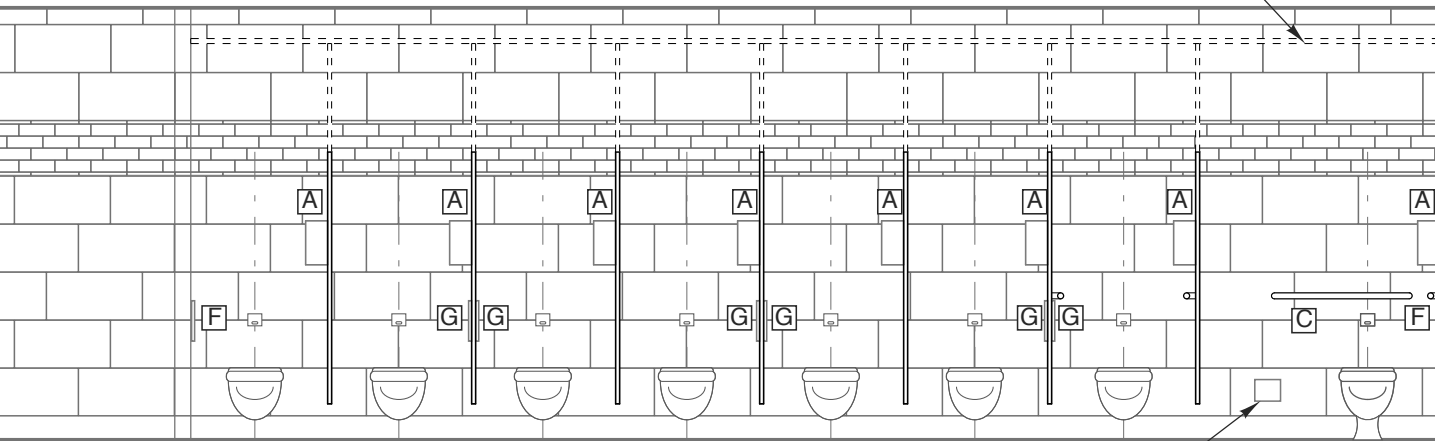
2 ROOM 105 ELEVATION
SCALE: 1/4" = 1'-0"



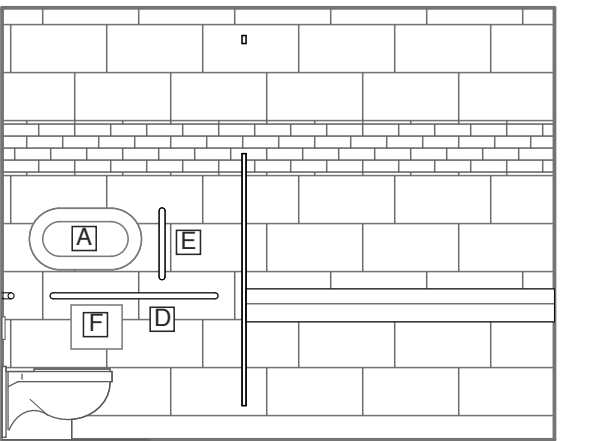
1 ROOM 105 ELEVATION
SCALE: 1/4" = 1'-0"



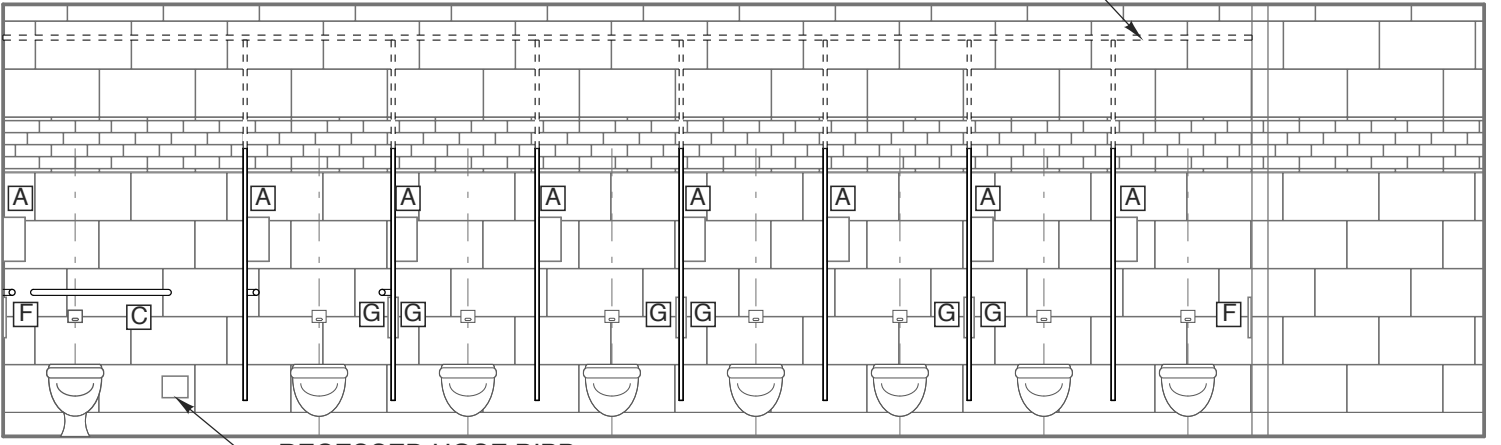
27 ROOM 119 ELEVATION
SCALE: 1/4" = 1'-0"



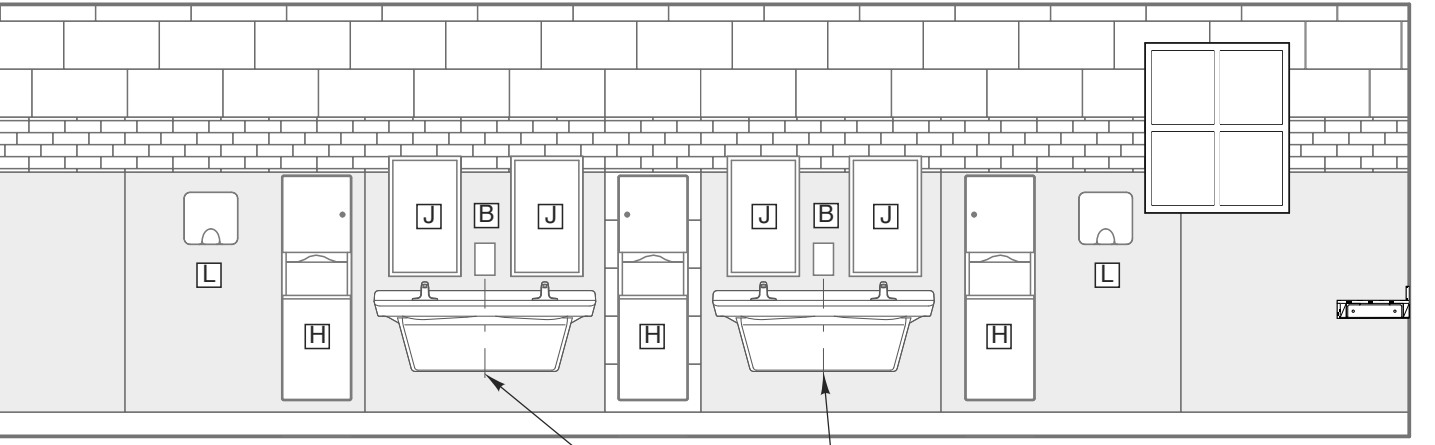
26 ROOM 119 ELEVATION
SCALE: 1/4" = 1'-0"



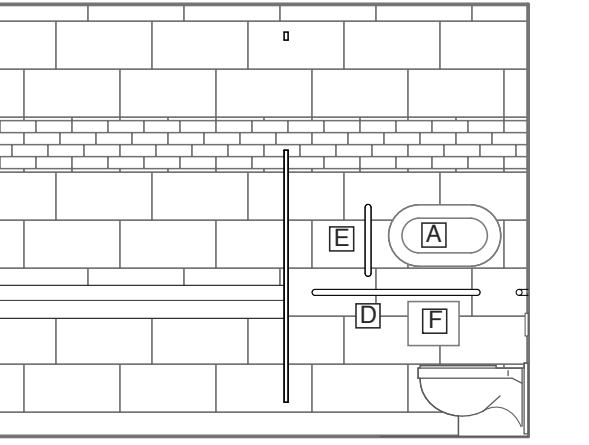
25 ROOM 119 ELEVATION
SCALE: 1/4" = 1'-0"



23 ROOM 117 ELEVATION
SCALE: 1/4" = 1'-0"



22 ROOM 117 ELEVATION
SCALE: 1/4" = 1'-0"



21 ROOM 117 ELEVATION
SCALE: 1/4" = 1'-0"

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WBS: 15RE.10.3

SCO ID# 18-19070-01A

PROJECT TITLE
**NORTHAMPTON CTY.
REST AREA-RENOV.**
I-95 NEAR VA STATE LINE
PLEASANT HILL, NORTH CAROLINA

PROJECT NO.
1704a

DRAWING TITLE
INT. ELEVATIONS

SHEET 18 OF 20

A4.2

PLOT DATE 9/18/18
REVISION 00/00/08

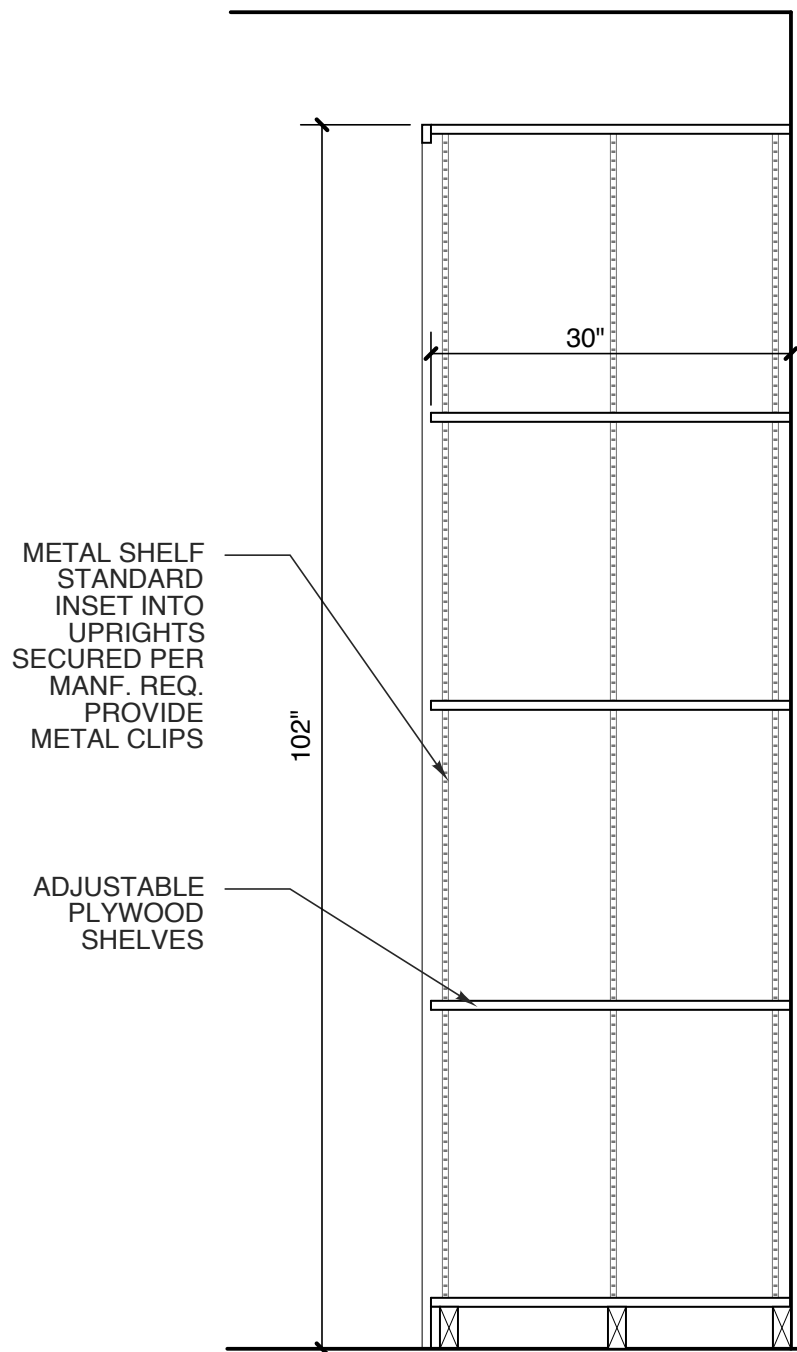
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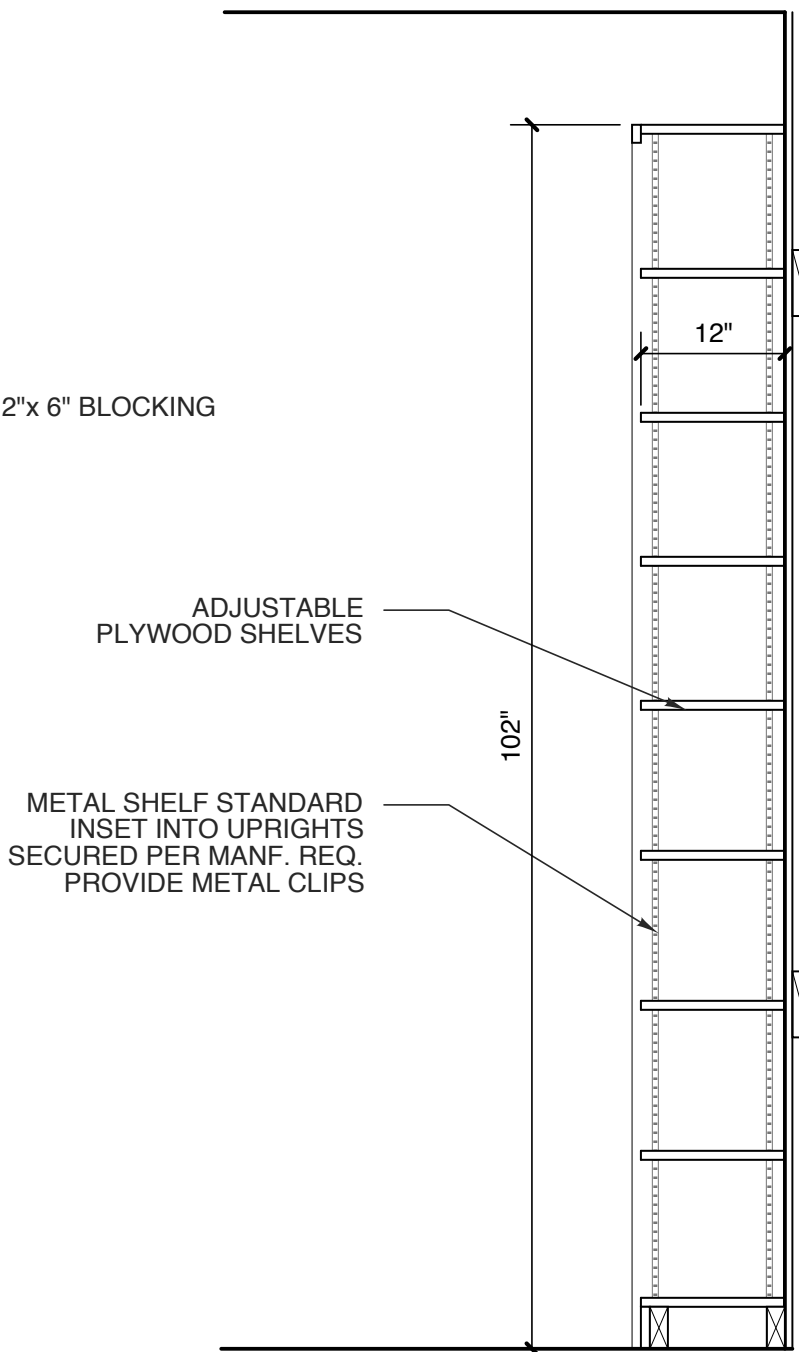


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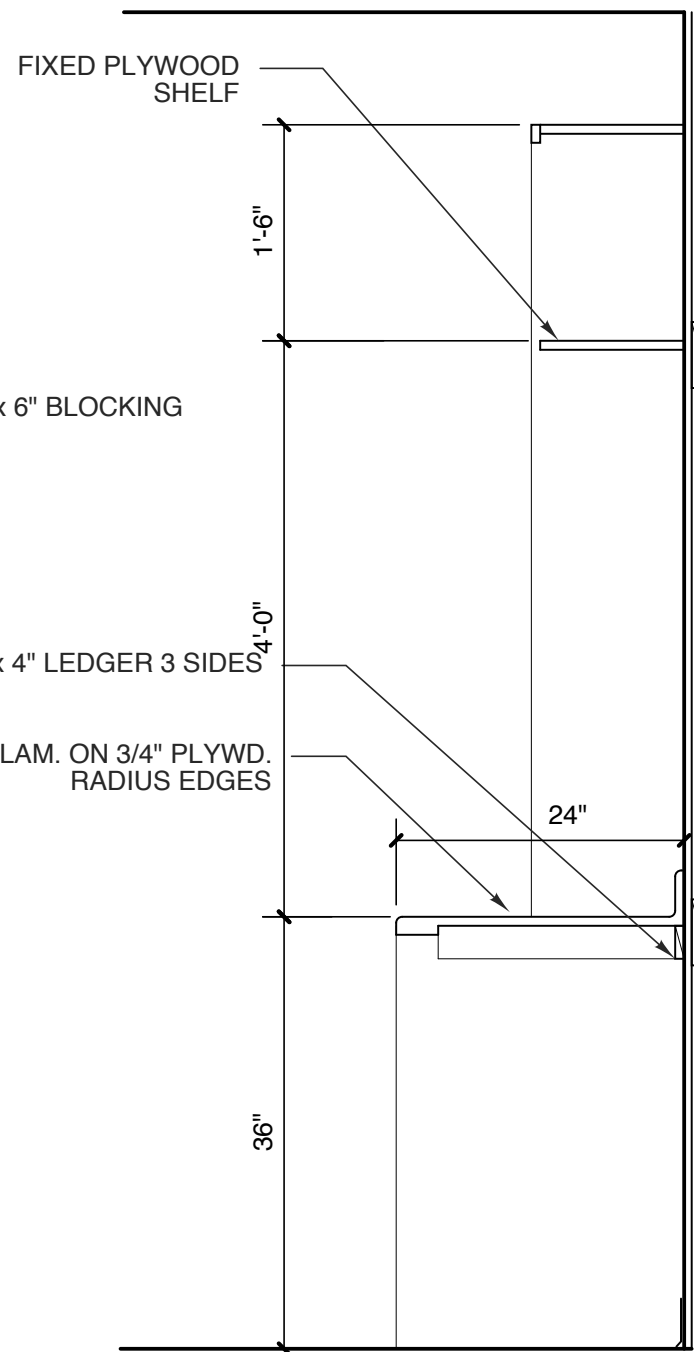
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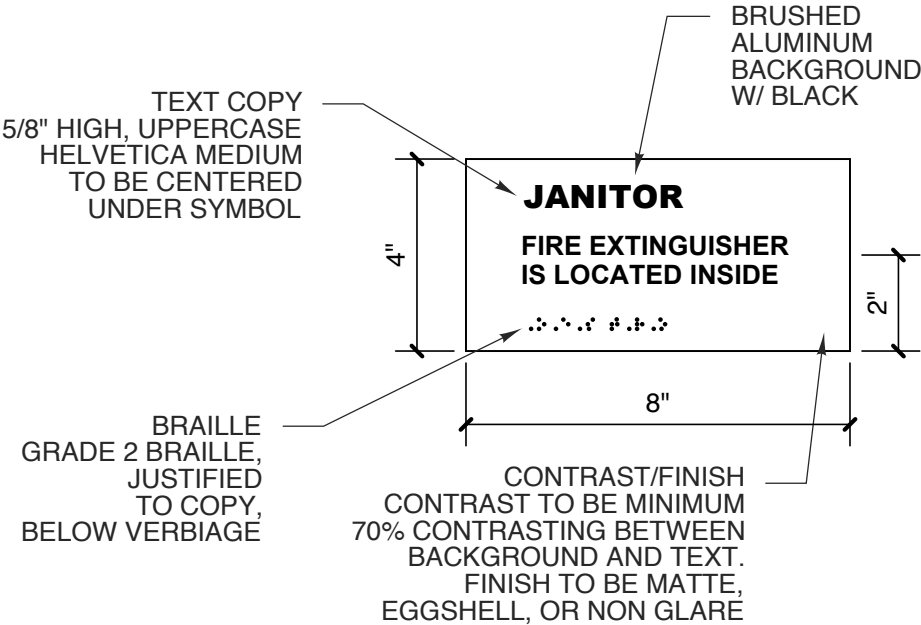
16 **SHELVING SECTION**
SCALE: 3/4" = 1'-0"



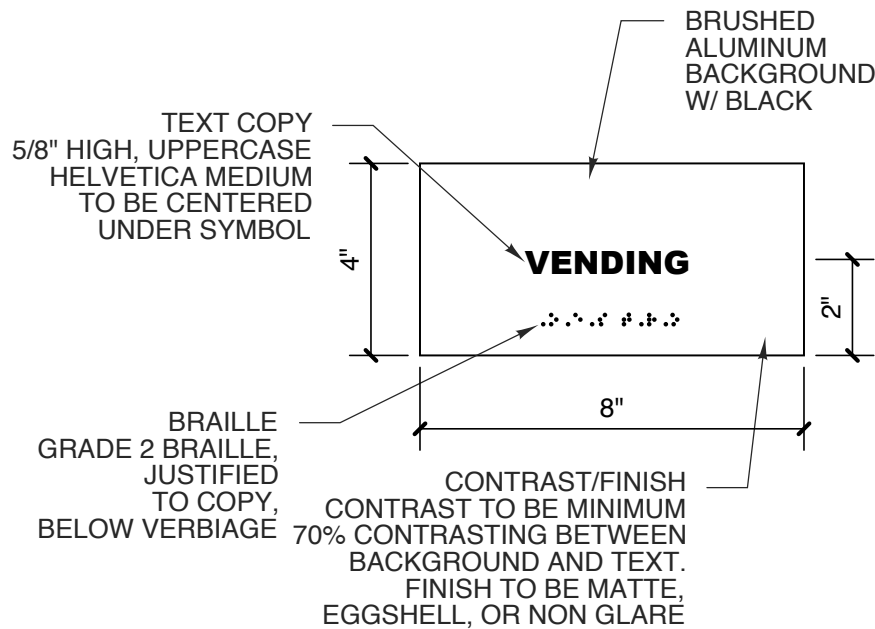
15 **SHELVING SECTION**
SCALE: 3/4" = 1'-0"



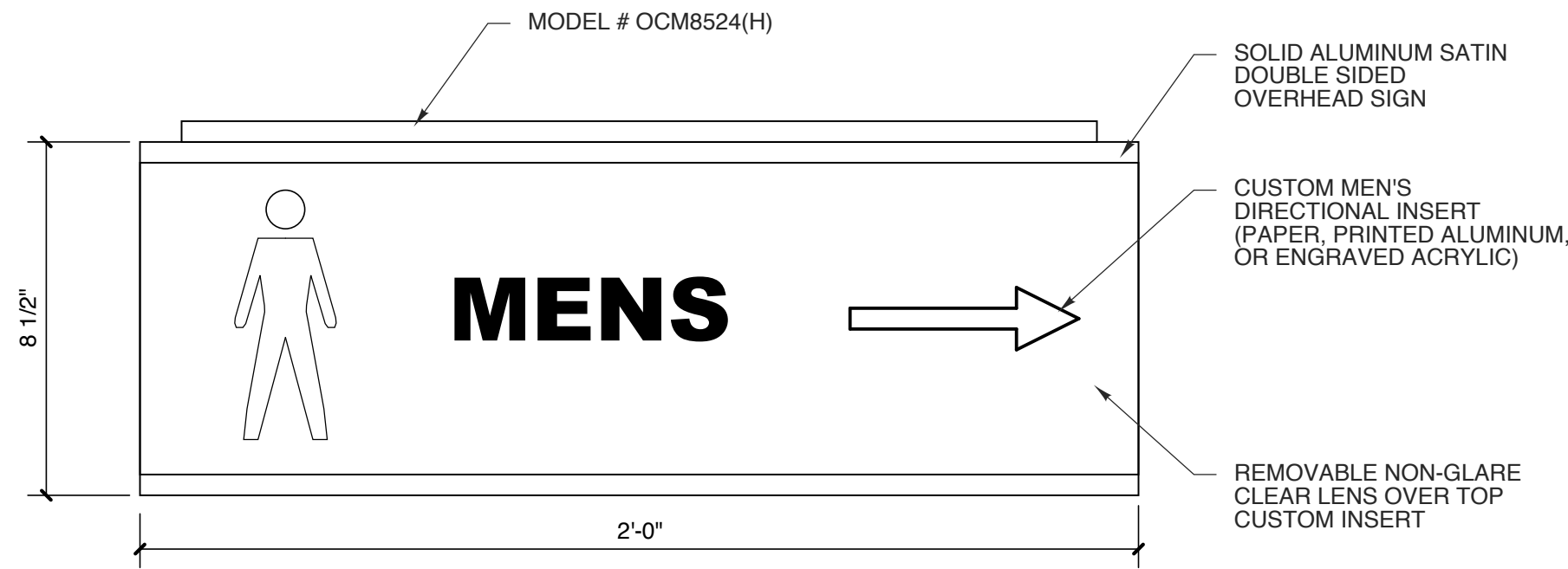
14 **DESK SECTION**
SCALE: 3/4" = 1'-0"



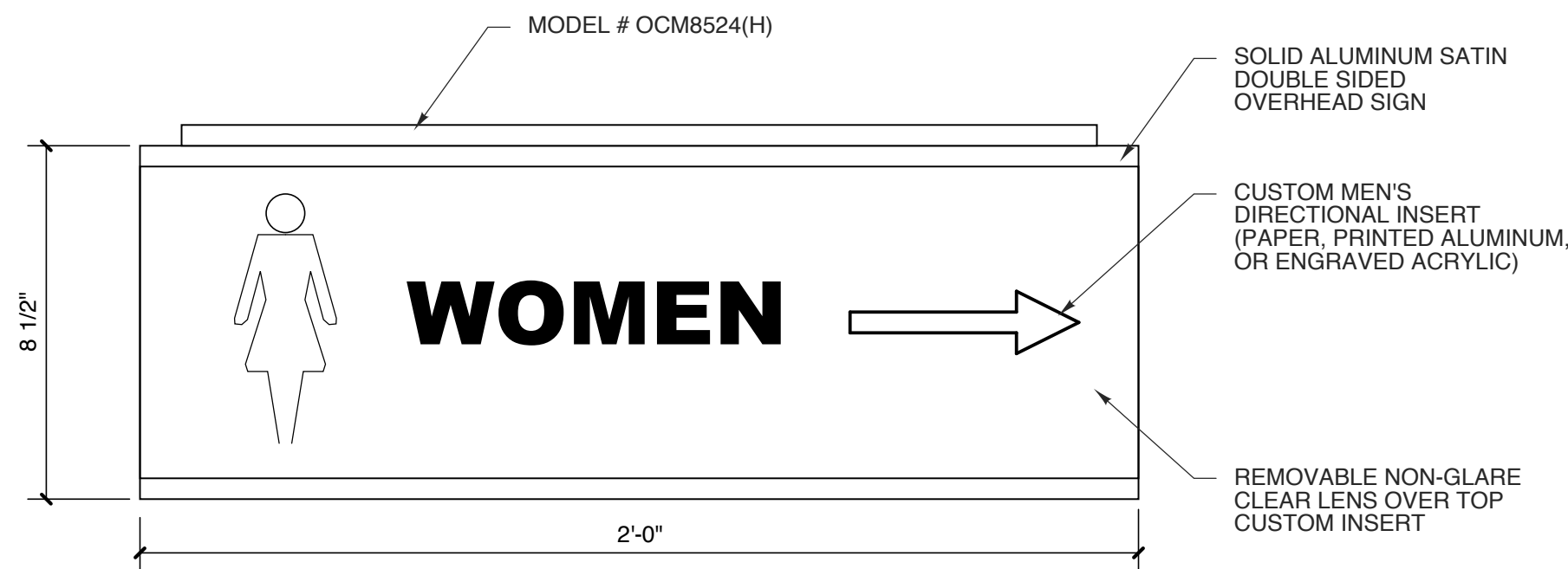
13 **JANITOR SIGNAGE**
SCALE: 3" = 1'-0"



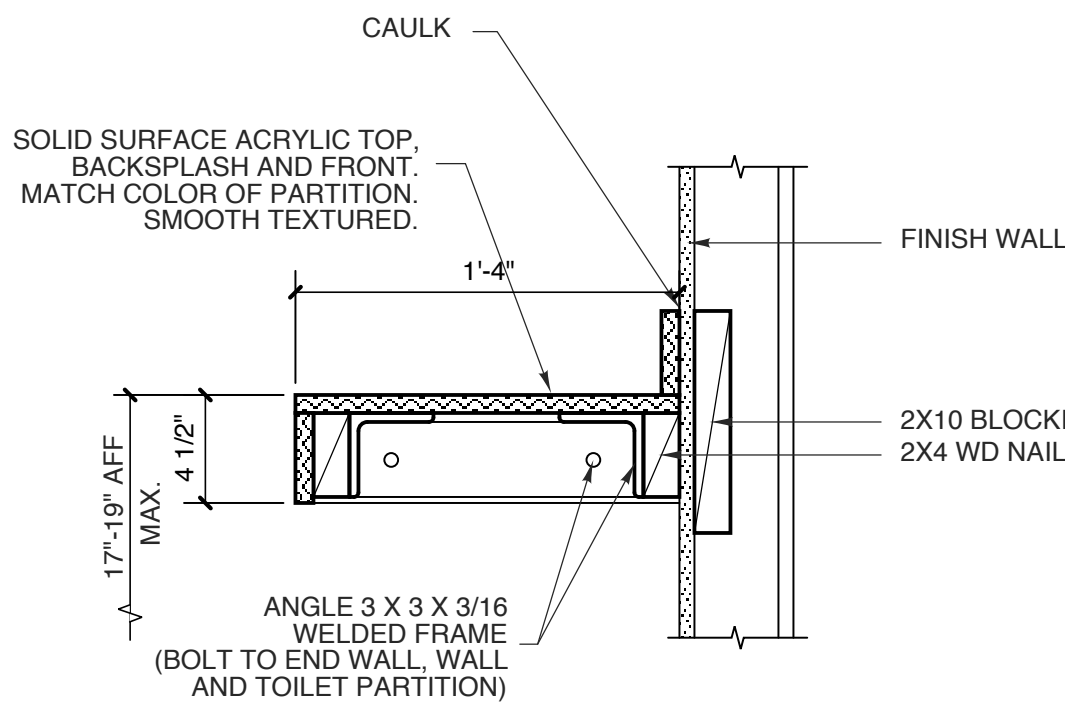
12 **VENDING SIGNAGE**
SCALE: 3" = 1'-0"



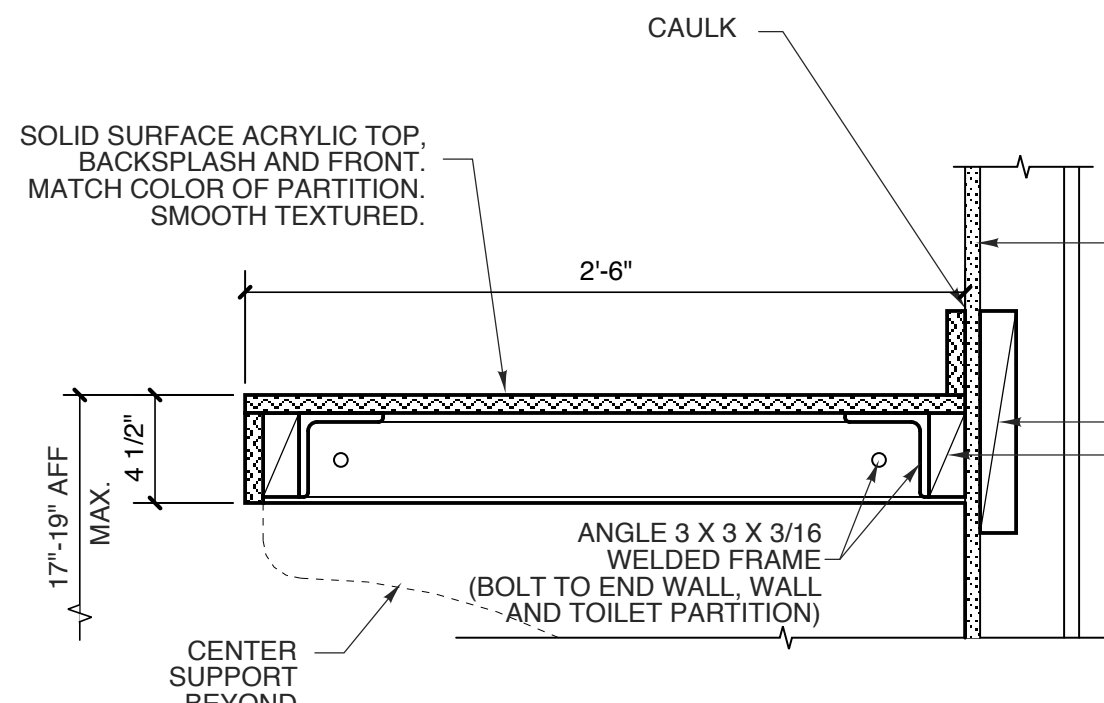
11 **CEILING MOUNTED SIGN**
SCALE: 3" = 1'-0"



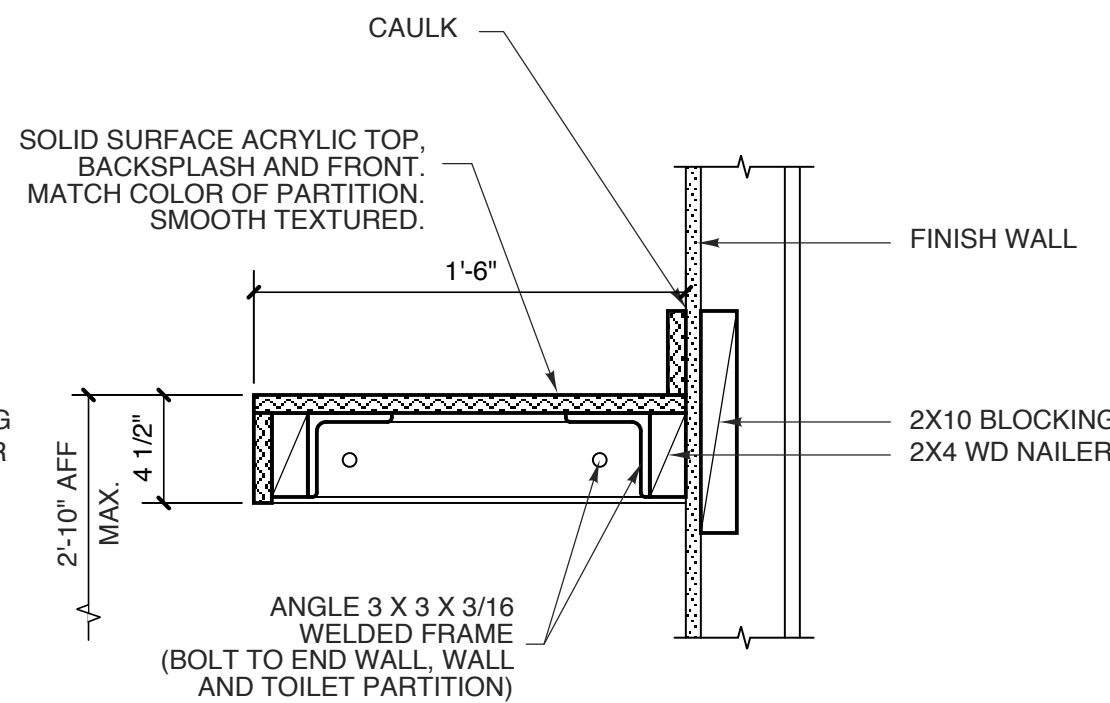
10 **CEILING MOUNTED SIGN**
SCALE: 3" = 1'-0"



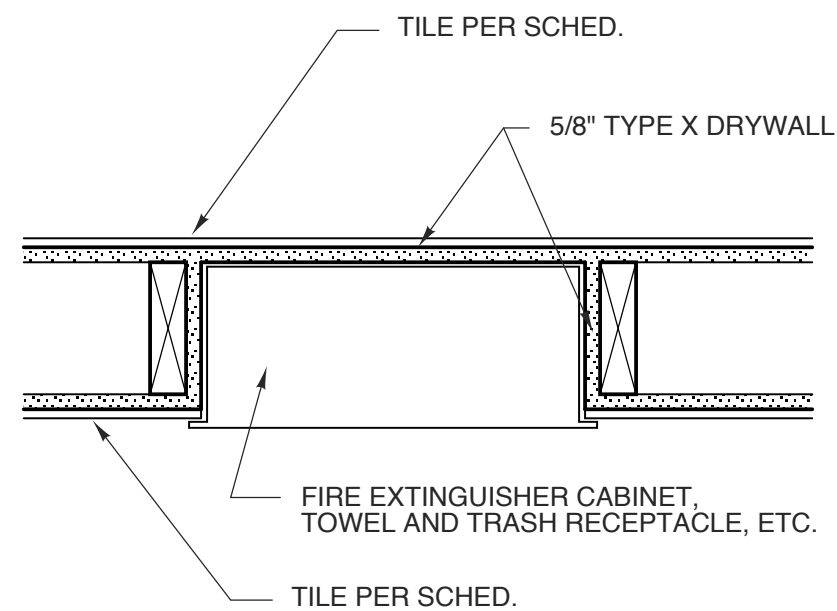
9 **BENCH**
SCALE: 1 1/2" = 1'-0"



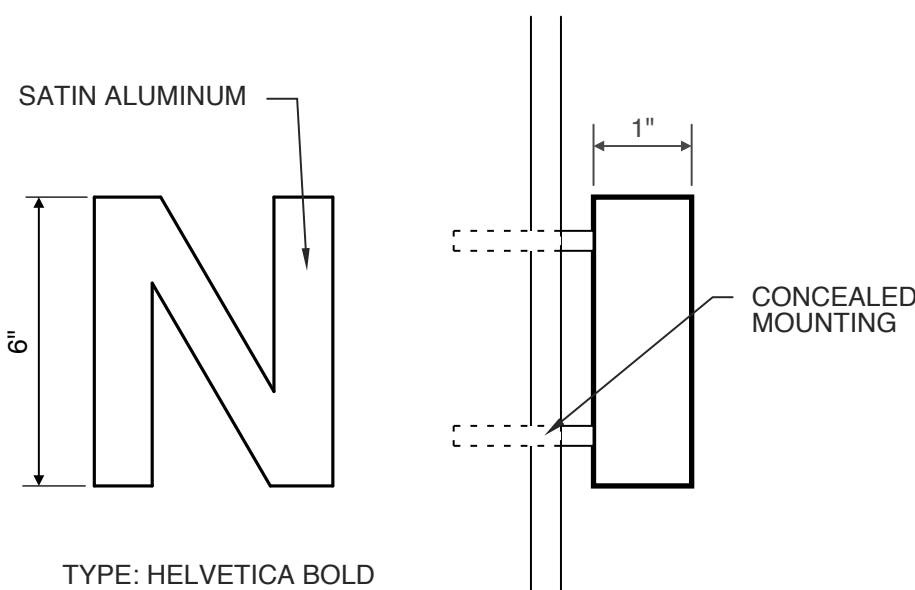
8 **BENCH**
SCALE: 1 1/2" = 1'-0"



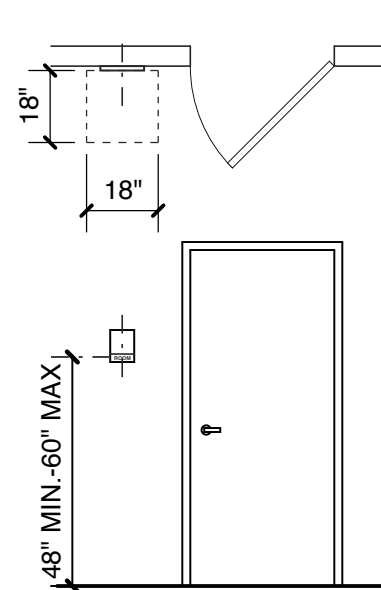
7 **SHELF**
SCALE: 1 1/2" = 1'-0"



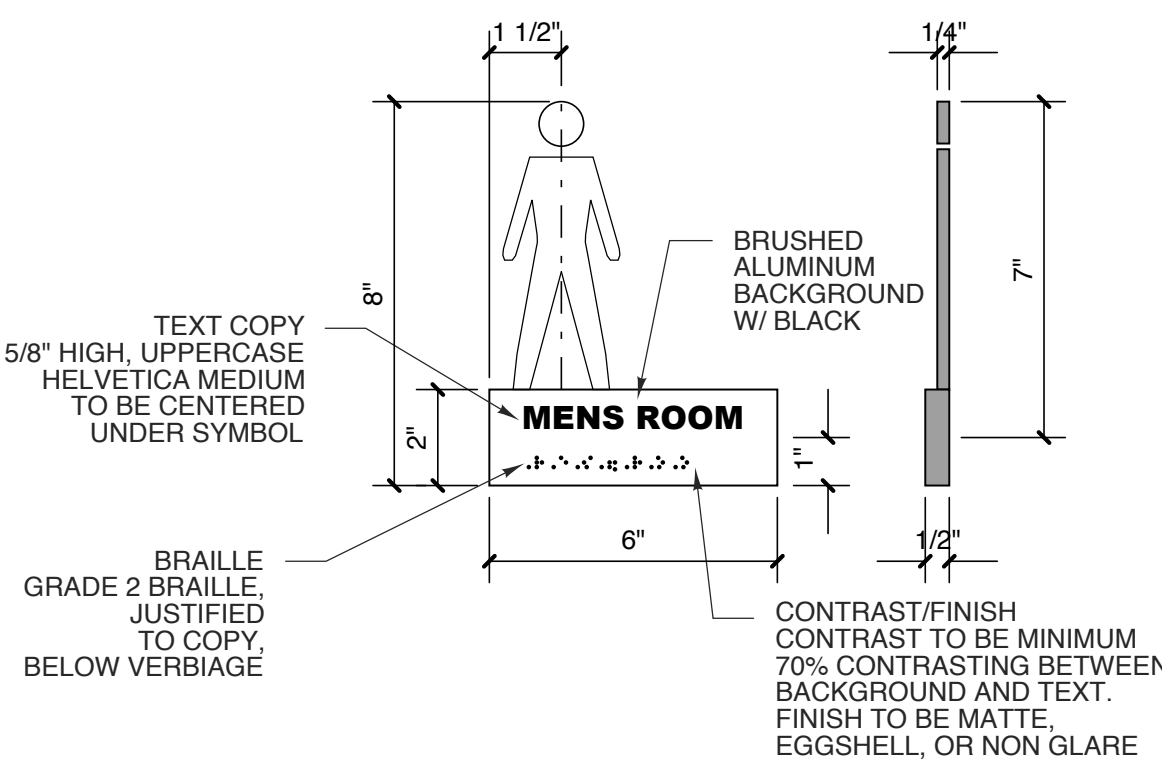
6 **WALL MOUNTED ACCESSORIES**
SCALE: 1 1/2" = 1'-0"



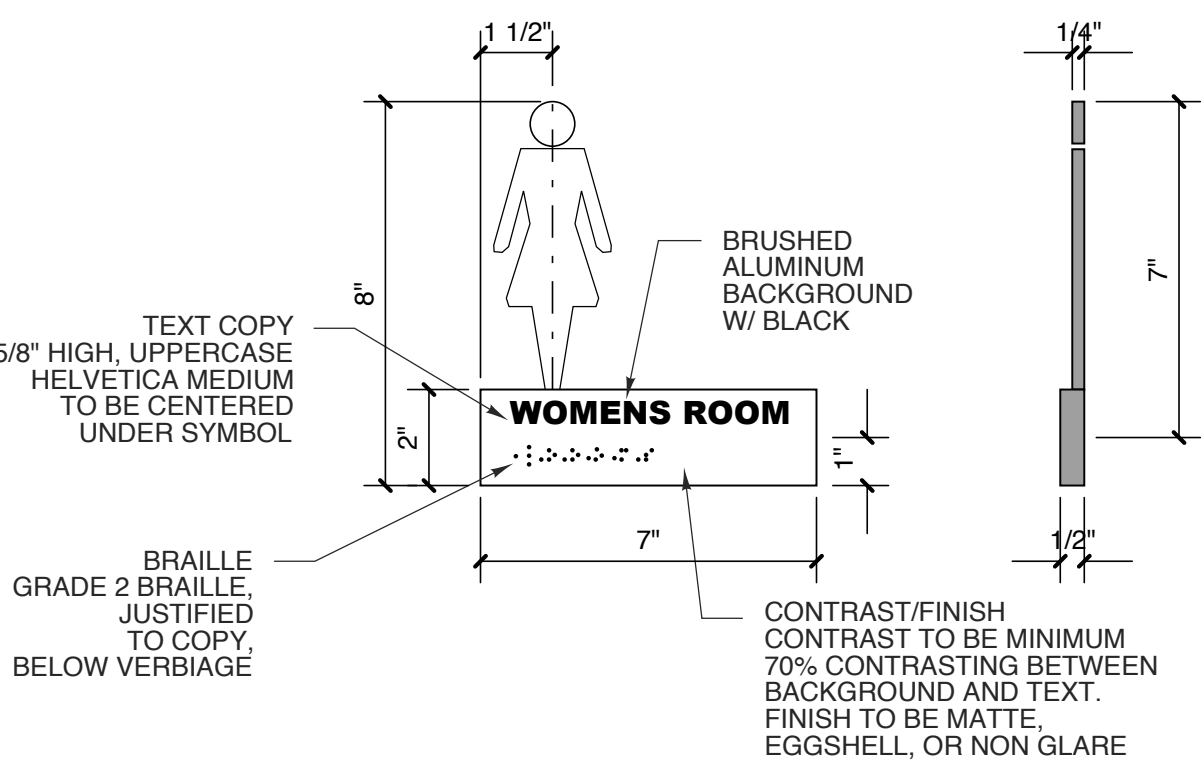
5 **DIMENSIONAL LETTER**
SCALE: 3" = 1'-0"



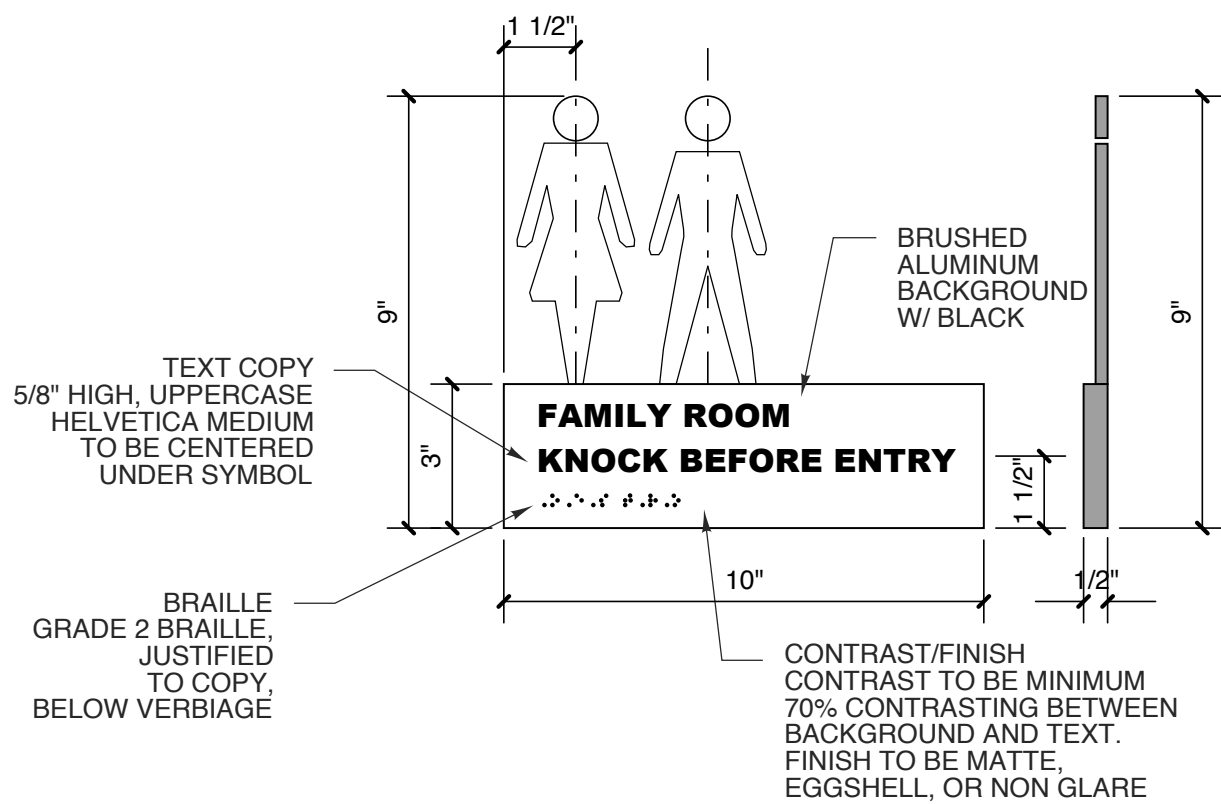
4 **SIGNAGE PLACEMENT**
SCALE: 1/4" = 1'-0"



3 **MEN'S ROOM SIGNAGE**
SCALE: 3" = 1'-0"



2 **WOMEN'S ROOM SIGNAGE**
SCALE: 3" = 1'-0"



1 **FAMILY ROOM SIGNAGE**
SCALE: 3" = 1'-0"

WBS: 15RE.10.3

SCO ID# 18-19070-01A

PROJECT TITLE
**NORTHAMPTON CTY.
REST AREA-RENOV.**
I-95 NEAR VA STATE LINE
PLEASANT HILL, NORTH CAROLINA

PROJECT NO.
1704a

DRAWING TITLE
DETAILS

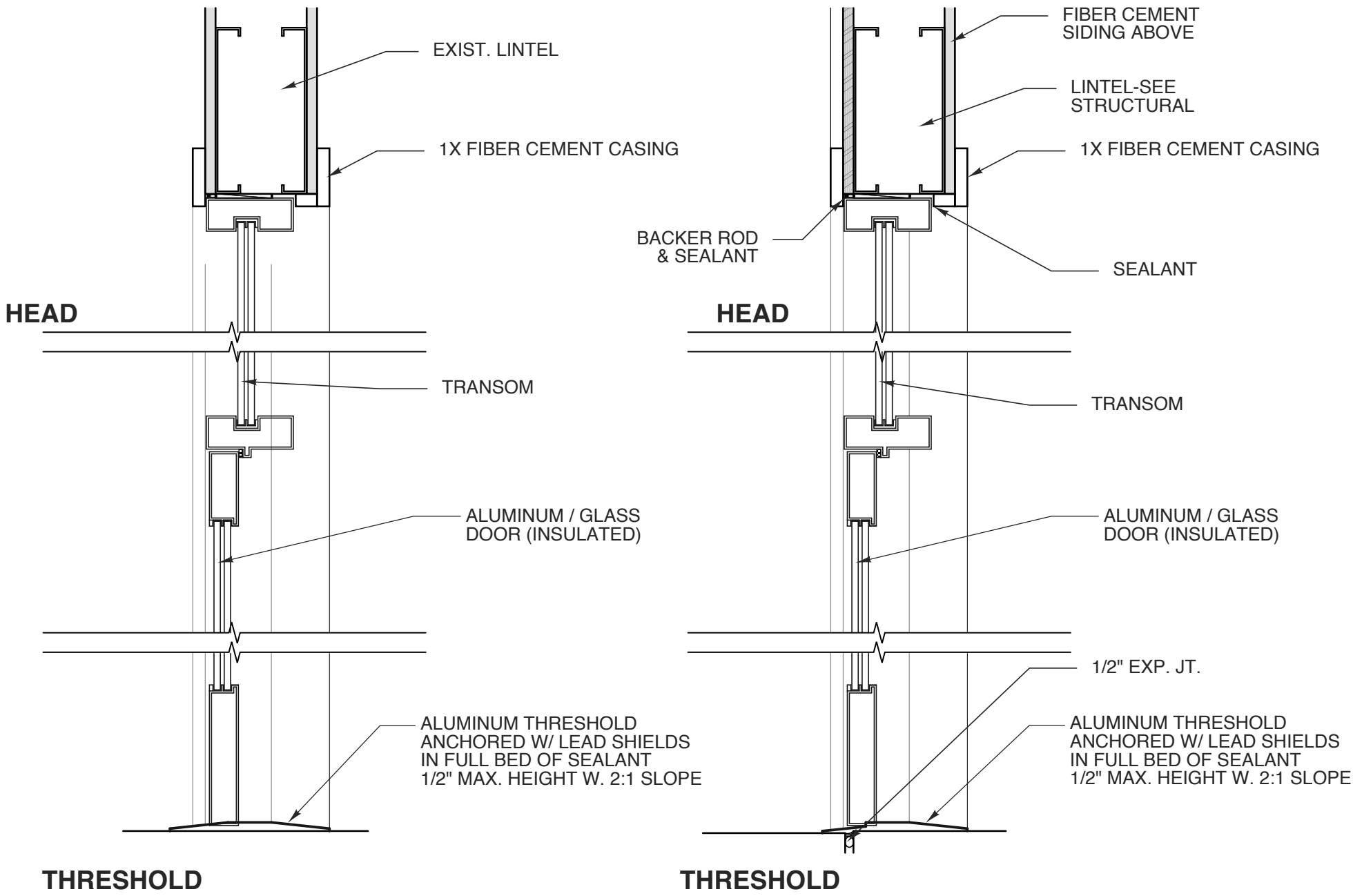
SHEET 19 OF 20

A5

PLOT DATE 9/18/18
REVISION 00/00/08

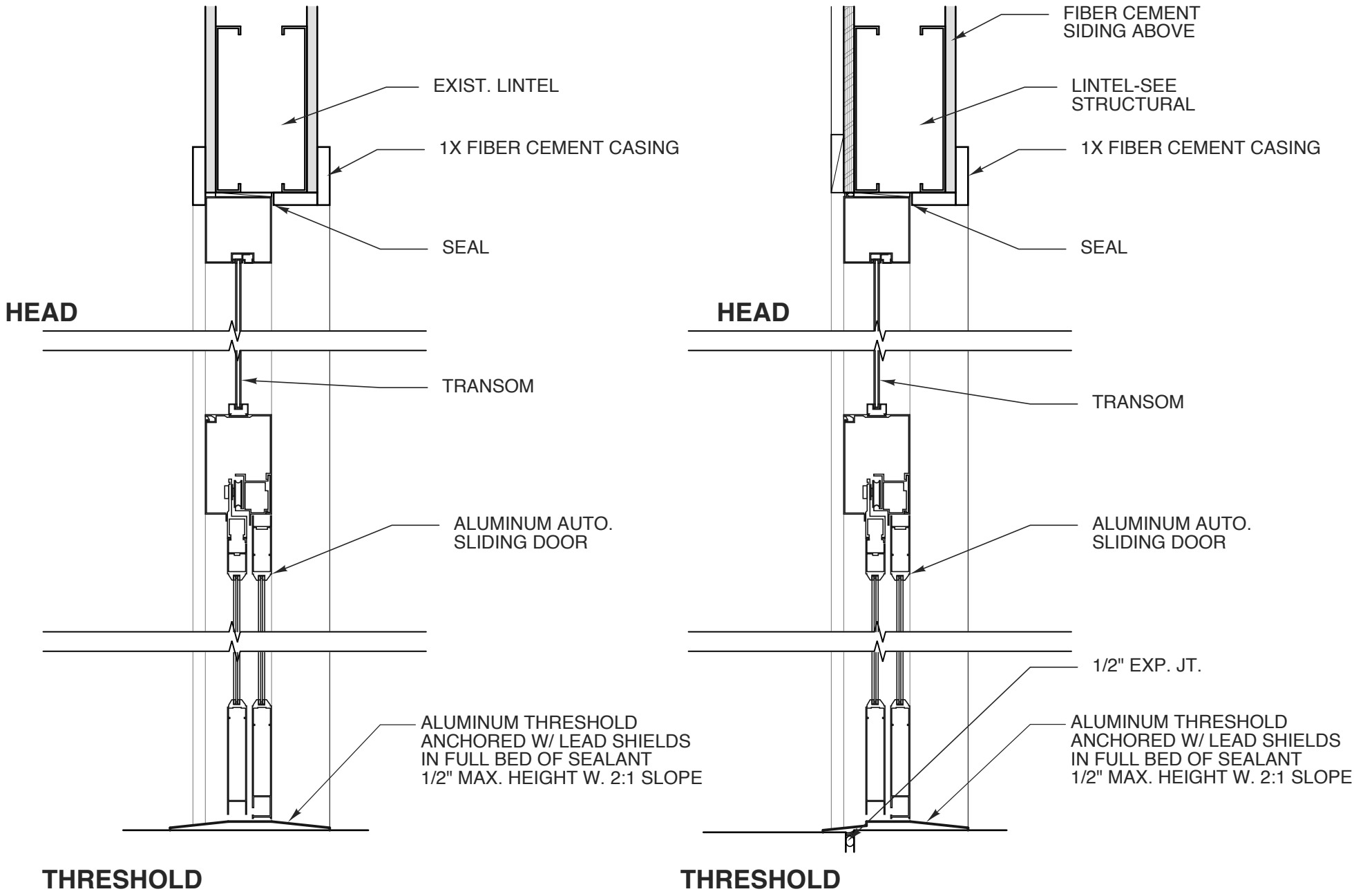
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WINDOW SCHEDULE							
MARK	W	SIZE	H	TYPE	MATERIAL	GLASS	REMARKS
A	16'-0"	x	9'-0"	1	ALUMINUM	1" INSUL. LOW E GLASS	FIXED
B	5'-1"	x	9'-0"	2	ALUMINUM	1" INSUL. LOW E GLASS	FIXED
C	6'-1"	x	9'-0"	3	ALUMINUM	1" INSUL. LOW E GLASS	FIXED
D	9'-0"	x	9'-0"	4	ALUMINUM	1" INSUL. LOW E GLASS	FIXED
E	8'-8"	x	9'-0"	5	ALUMINUM	1" INSUL. LOW E GLASS	FIXED
F	6'-6"	x	9'-0"	6	ALUMINUM	1" INSUL. LOW E GLASS	FIXED
G	8'-8"	x	9'-0"	7	ALUMINUM	1" INSUL. LOW E GLASS	FIXED
H	9'-0"	x	9'-0"	8	ALUMINUM	1" INSUL. LOW E GLASS	FIXED
J	14'-0"	x	1'-11"	9	ALUMINUM	1" INSUL. LOW E GLASS	FIXED
K	5'-1"	x	9'-0"	10	ALUMINUM	1" INSUL. LOW E GLASS	FIXED
NOTES: -SEE WINDOW TYPE ELEVATIONS AND DETAILS. -FIELD VERIFY ALL EXISTING OPENING SIZES. DIMENSIONS GIVEN FOR REFERENCE. -INCLUDE THERMAL BREAK PER MANUFACTURER'S STANDARDS WITH ALL FRAMES. -ALL WINDOWS TO MEET NCSBC SECTION 1609.1.2							



8 STOREFRONT DOOR-INT.
SCALE: 1-1/2" = 1'-0"

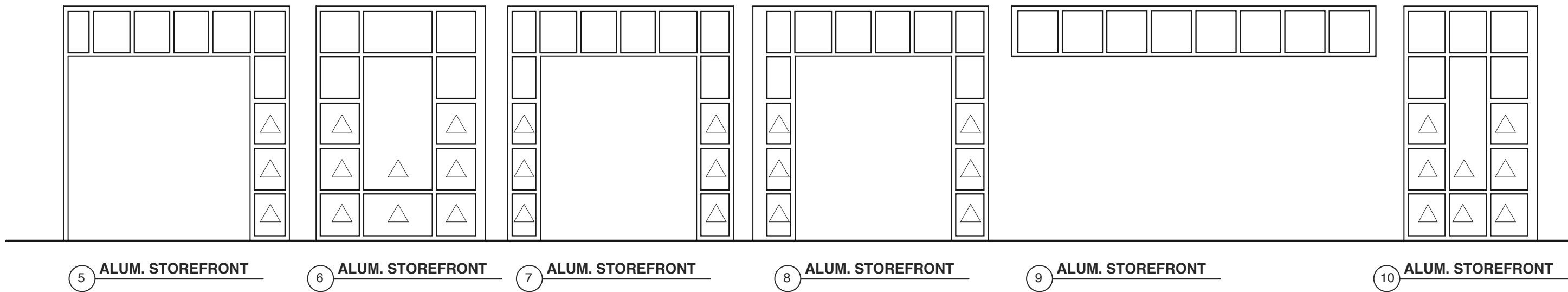
7 STOREFRONT DOOR-EXT.
SCALE: 1-1/2" = 1'-0"



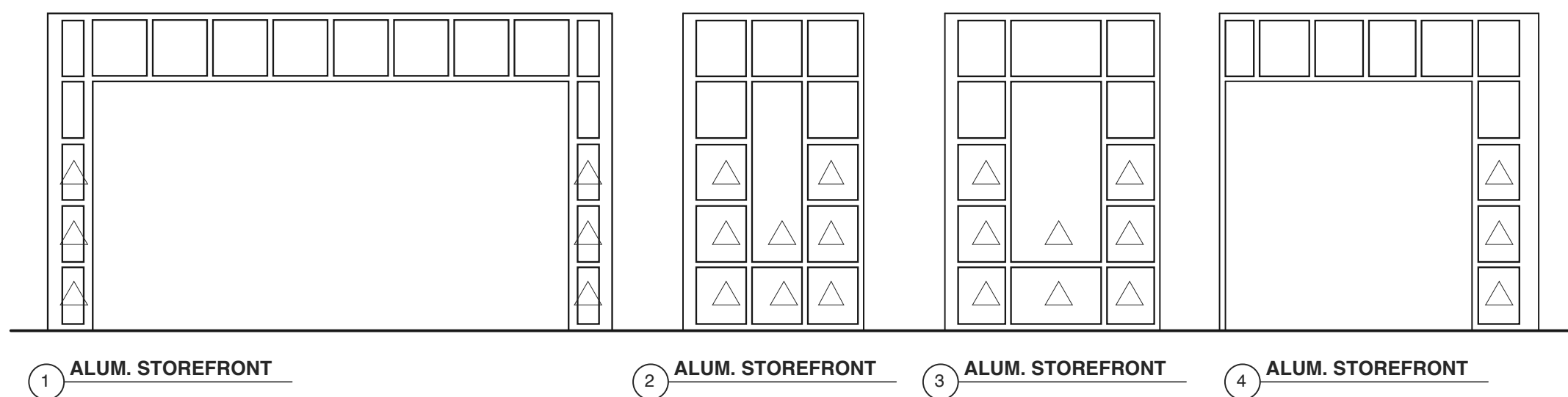
6 SLIDING DOOR-INT.
SCALE: 1-1/2" = 1'-0"

5 SLIDING DOOR-EXT.
SCALE: 1-1/2" = 1'-0"

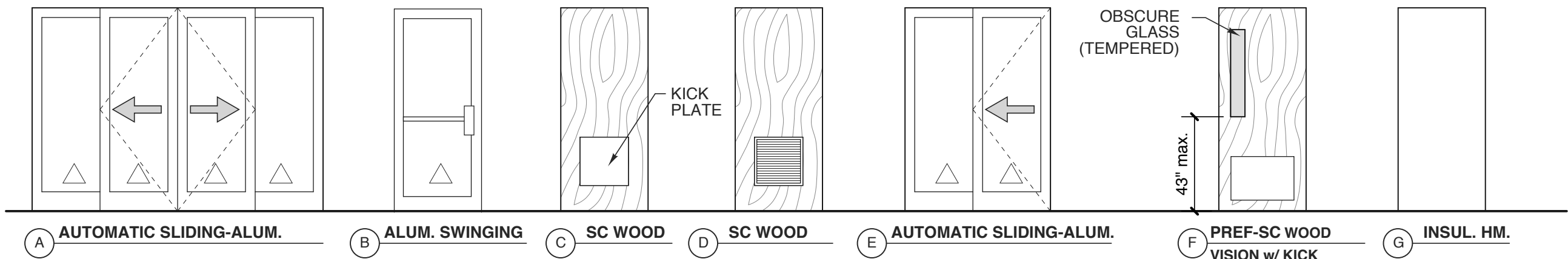
DOOR SCHEDULE							
MARK	DOOR			FRAME			REMARKS
	SIZE	MAT'L	TYPE	TYPE	DETAILS	HDWR SET NO.	
1	2'-3'-6" x 7'-0" x 1-3/4"	---	A	A	---	1	---
2	2'-3'-6" x 7'-0" x 1-3/4"	---	A	A	---	1	---
3	3'-0" x 7'-0" x 1-3/4"	---	E	A	---	1	---
4	3'-0" x 7'-0" x 1-3/4"	---	E	A	---	1	---
5	6'-0" x 7'-0" x 1-3/4"	---	---	---	---	---	EXISTING CASÉD OPENING
6	6'-0" x 7'-0" x 1-3/4"	---	---	---	---	---	EXISTING CASÉD OPENING
7	3'-0" x 7'-0" x 1-3/4"	---	---	---	---	---	EXISTING TO BE PAINTED
8	2'-0" x 7'-0" x 1-3/4"	---	D	C	---	6	---
9	3'-0" x 7'-0" x 1-3/4"	---	D	C	---	3	---
10	3'-0" x 7'-0" x 1-3/4"	---	D	C	---	4	---
11	3'-0" x 7'-0" x 1-3/4"	---	D	C	---	3	---
12	2'-0" x 7'-0" x 1-3/4"	---	D	C	---	6	---
13	3'-0" x 7'-0" x 1-3/4"	---	G	C	---	2	---
14	3'-0" x 7'-0" x 1-3/4"	---	D	C	---	4	---
15	3'-0" x 7'-0" x 1-3/4"	---	D	C	---	3	---
16	2'-0" x 7'-0" x 1-3/4"	---	D	C	---	6	---
17	2'-3'-0" x 7'-0" x 1-3/4"	---	B	A	---	7	---
18	2'-3'-0" x 7'-0" x 1-3/4"	---	B	A	---	7	---
.	existing	---	---	---	---	8	---
NOTES: - COORDINATE KEYING OF HARDWARE WITH OWNER - DOOR HANDLES TO BE LEVER HANDLE - ALL DOORS TO MEET NCSBC SECTION 1609.1.2				HARDWARE SETS 1. AUTOMATIC SLIDING W/EMERGENCY BREAK AWAY OPERATION LOCK SET W/ CLOSER 2. PASSAGE SET 3. STOREROOM FUNCTION LOCKSET W/CLOSER 4. PASSAGE SET W/ CLOSER 5. ADA CUP PULL WITH THUMB TURN LOCKSET 6. PUSH PULL SET WITH CLOSER 7. ADA DOOR OPERATOR 8. SEE SPEC FOR MORE INFORMATION			



4 WINDOW TYPES - cont.
SCALE: 1/4" = 1'-0"

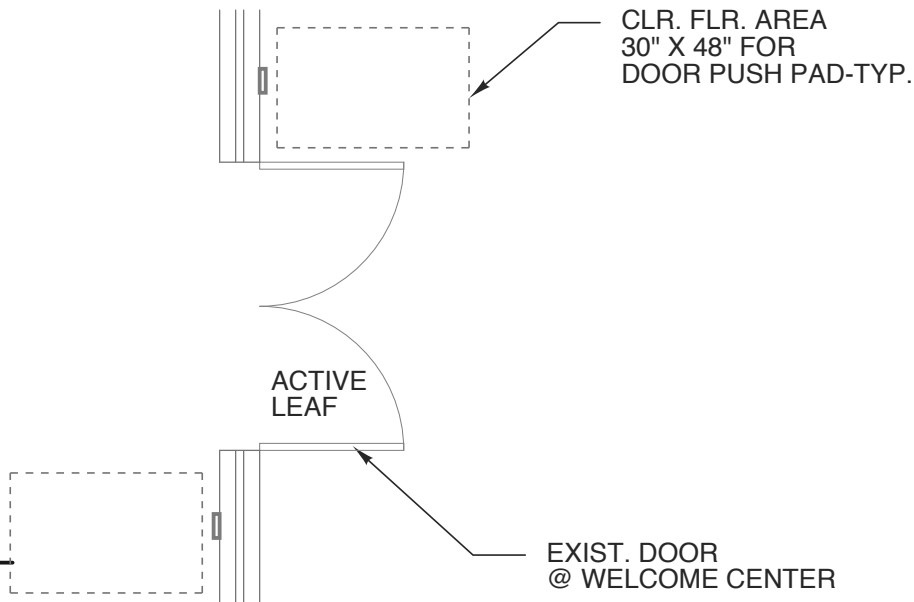


3 WINDOW TYPES
SCALE: 1/4" = 1'-0"

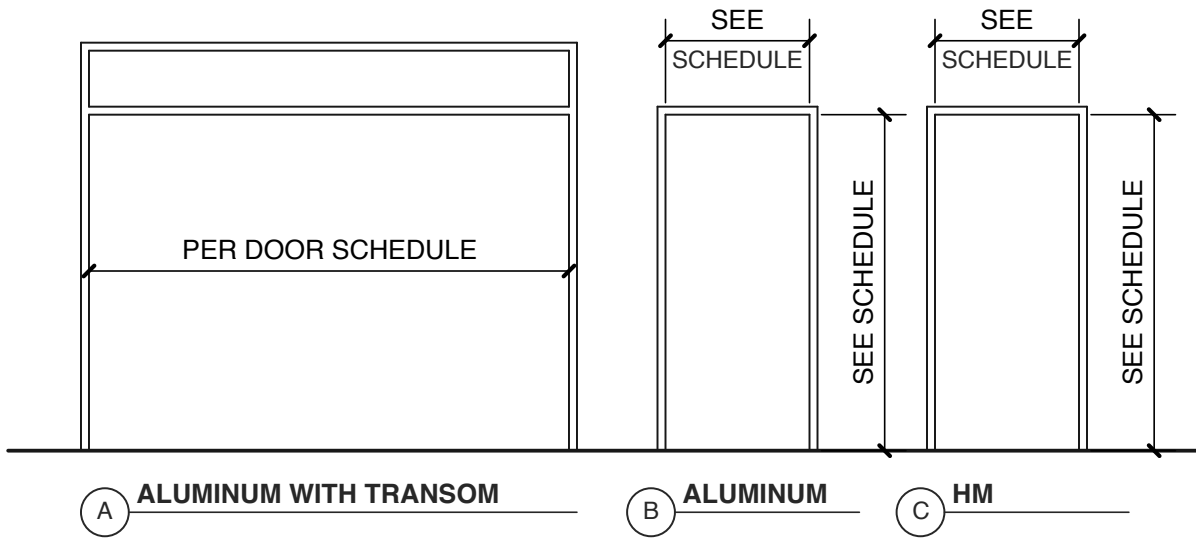


1 DOOR TYPES
SCALE: 1/4" = 1'-0"

ROOM FINISH SCHEDULE										
MARK	ROOM NAME	FLOOR	BASE	WALL			WAINSCOT	CEILING		REMARKS / NOTES
				N	E	S		MATERIAL	HGT.	
100	AIR LOCK 1	TERRAZZO	TERRAZZO	PTD. DW.			---	PTD. DW.	MATCH EXIST.	---
101	LOBBY	TERRAZZO	TERRAZZO	PTD. DW.			TILE TO 5' AFF	PTD. DW.	EXIST.	REPLACE SHEET ROCK AT CLG. REMOVE SHEATHING @ SINK/TOILET
102	AIR LOCK 2	TERRAZZO	TERRAZZO	PTD. DW.			---	PTD. DW.	MATCH EXIST.	---
103	VENDING	EXIST. SEALED CONCRETE	---	PAINT EXISTING			---	---	EXIST.	---
104	VENDING STORAGE	EXIST. SEALED CONCRETE	---	PAINT EXISTING			---	---	EXIST.	---
105	MEN'S RESTROOM 1	TERRAZZO	TERRAZZO	TILE			---	PTD. DW.	EXIST.	REPLACE SHEET ROCK AT CLG. REMOVE SHEATHING @ SINK/TOILET
106	PIPE CHASE	SEALED CONCRETE	---	NEW PLYWOOD TO BE PTD.			---	PTD. DW.	EXIST.	REPLACE SHEET ROCK AT CLG.
107	MEN'S RESTROOM 2	TERRAZZO	TERRAZZO	TILE			---	PTD. DW.	EXIST.	REPLACE SHEET ROCK AT CLG. REMOVE SHEATHING @ SINK/TOILET
108	FAMILY RESTROOM 1	TERRAZZO	TERRAZZO	TILE			---	PTD. DW.	EXIST.	REPLACE SHEET ROCK AT CLG. REMOVE SHEATHING @ SINK/TOILET
109	ELECTRICAL	EXIST. SEALED CONCRETE	---	PTD. DW.			---	PTD. DW.	EXIST.	REPLACE SHEET ROCK AT CLG.
110	STORAGE	EXIST. SEALED CONCRETE	---	PTD. DW.			---	PTD. DW.	EXIST.	REPLACE SHEET ROCK AT CLG.
111	WOMEN'S RR 1	TERRAZZO	TERRAZZO	TILE			---	PTD. DW.	EXIST.	REPLACE SHEET ROCK AT CLG. REMOVE SHEATHING @ SINK/TOILET
112	PIPE CHASE	SEALED CONCRETE	---	NEW PLYWOOD TO BE PTD.			---	PTD. DW.	EXIST.	REPLACE SHEET ROCK AT CLG.
113	WOMEN'S RR 2	TERRAZZO	TERRAZZO	TILE			---	PTD. DW.	EXIST.	REPLACE SHEET ROCK AT CLG. REMOVE SHEATHING @ SINK/TOILET
114	SHELTER	SEALED CONCRETE	---	---			---	---	---	---
115	JANITOR	SEALED CONCRETE	RUBBER	PTD. DW.			---	PTD. DW.	EXIST.	REPLACE SHEET ROCK AT CLG. REMOVE SHEATHING @ SINK
116	FAMILY RESTROOM 2	TERRAZZO	TERRAZZO	TILE			---	PTD. DW.	EXIST.	REPLACE SHEET ROCK AT CLG. REMOVE SHEATHING @ SINK/TOILET
117	WOMEN'S RR3	TERRAZZO	TERRAZZO	TILE			---	PTD. DW.	EXIST.	REPLACE SHEET ROCK AT CLG. REMOVE SHEATHING @ SINK/TOILET
118	PIPE CHASE	SEALED CONCRETE	---	NEW PLYWOOD TO BE PTD.			---	PTD. DW.	EXIST.	---
119	WOMEN'S RR 4	TERRAZZO	TERRAZZO	TILE			---	PTD. DW.	EXIST.	REPLACE SHEET ROCK AT CLG. REMOVE SHEATHING @ SINK/TOILET
120	AIR LOCK 3	TERRAZZO	TERRAZZO	PTD. DW.			---	PTD. DW.	MATCH EXIST.	---
SEE FINISH PLAN (A1.4), INT. ELEVATIONS (A1.5) AND A1.7-A1.12 FOR MORE INFORMATION ON FINISHES.										



9 DOOR OPERATOR
SCALE: 1/4" = 1'-0"



2 DOOR FRAME TYPES
SCALE: 1/4" = 1'-0"

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DocuSigned by
Ginger S. Anderson
E8028345602C422.

9/18/2018 7:46:48 PM EDT

WBS: 15RE.10.3

SCO ID# 18-19070-01A

PROJECT TITLE
**NORTHAMPTON CTY.
REST AREA-RENOV.**
I-95 NEAR VA STATE LINE
PLEASANT HILL, NORTH CAROLINA

PROJECT NO.
1704a

DRAWING TITLE
SCHEDULES/DETAILS

SHEET 20 OF 20

A6

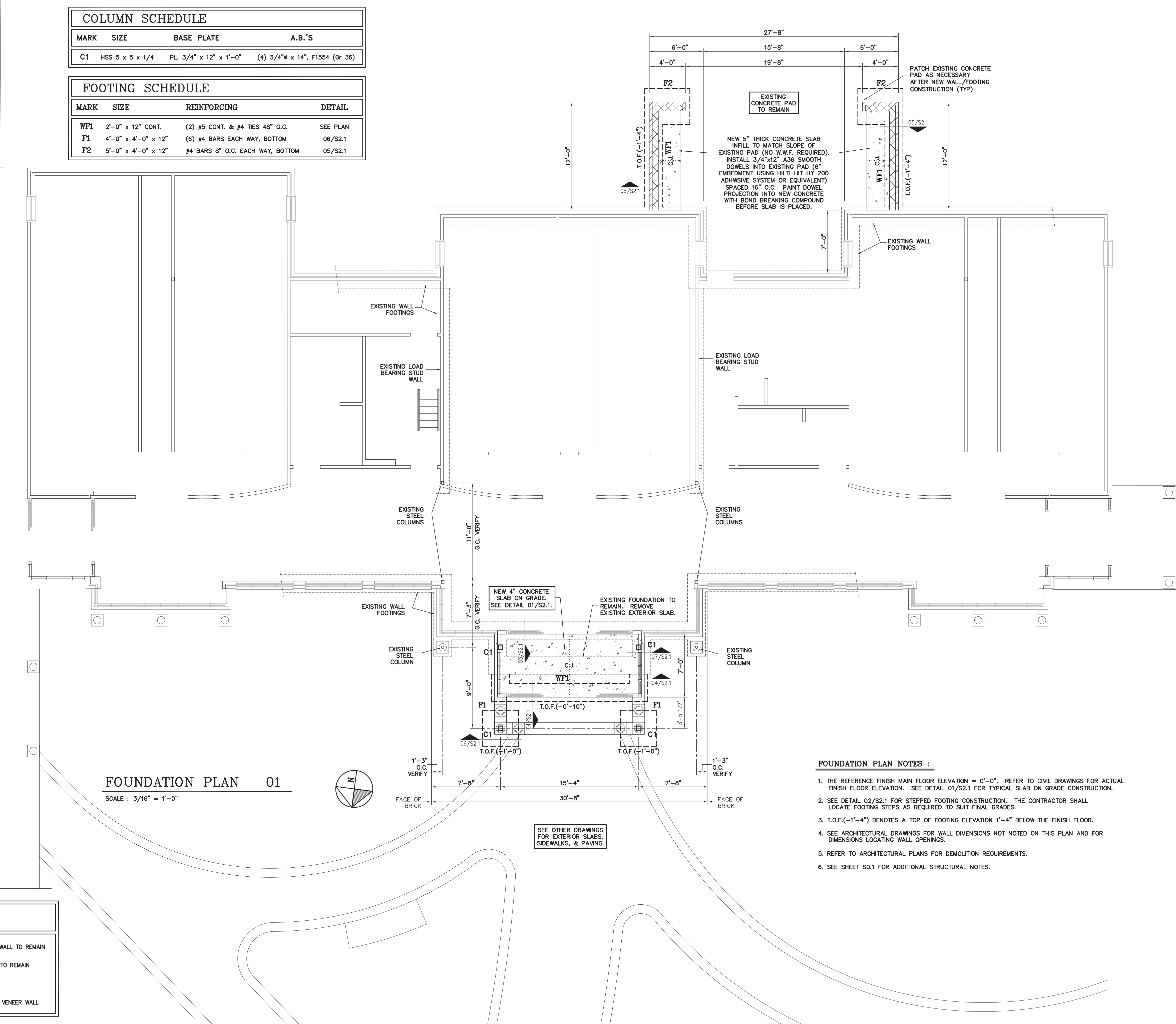
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COLUMN SCHEDULE			
MARK	SIZE	BASE PLATE	A.B.'S
C1	HSS 5 x 5 x 1/4	PL. 3/4" x 12" x 1'-0"	(4) 3/4"Ø x 14", F1554 (Gr 36)

FOOTING SCHEDULE			
MARK	SIZE	REINFORCING	DETAIL
WF1	2'-0" x 12" CONT.	(2) #5 CONT. & #4 TIES 48" O.C.	SEE PLAN
F1	4'-0" x 4'-0" x 12"	(6) #4 BARS EACH WAY, BOTTOM	06/S2.1
F2	5'-0" x 4'-0" x 12"	#4 BARS 8" O.C. EACH WAY, BOTTOM	05/S2.1



FOUNDATION PLAN 01
SCALE : 3/16" = 1'-0"

WALL LEGEND

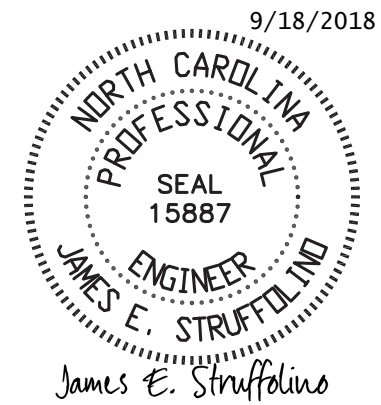
	EXIST. BRICK VENEER WALL TO REMAIN
	EXIST. INTERIOR WALL TO REMAIN
	NEW INTERIOR WALL
	NEW 8" CMU + BRICK VENEER WALL

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WBS: 15RE.10.3
SCO ID# 18-19070-01A

PROJECT TITLE
NORTH HAMPTON CTY.
REST AREA-RENOV.
I-95 NEAR VA STATE LINE
PLEASANT HILL, NORTH CAROLINA

PROJECT NO.
LA-11835

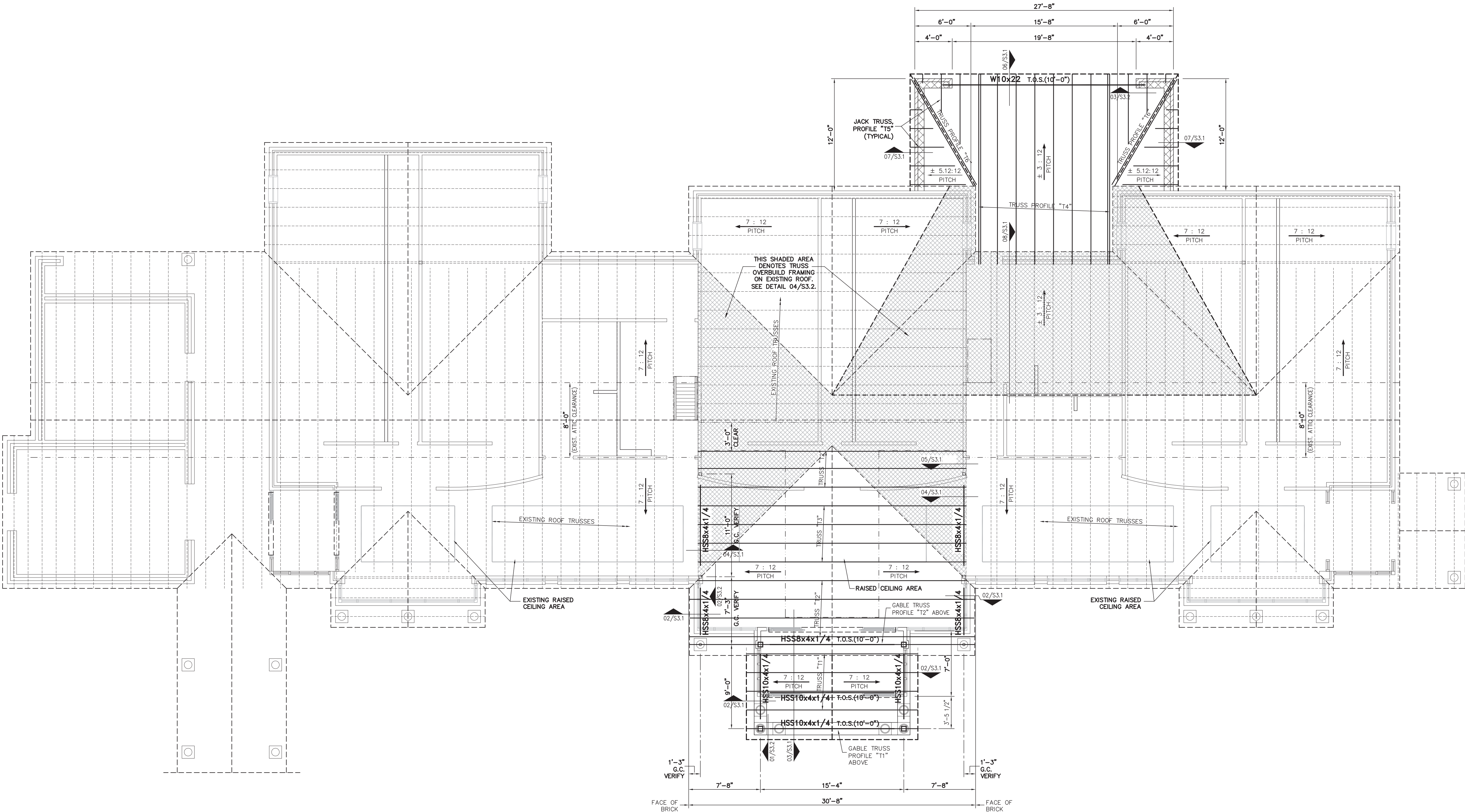
DRAWING TITLE
FOUNDATION PLAN

SHEET 2 OF 7

S1.1

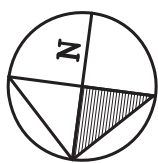
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ROOF FRAMING PLAN 01

SCALE : 3/16" = 1'-0"



WALL LEGEND

- EXIST. BRICK VENEER WALL TO REMAIN
- EXIST. INTERIOR WALL TO REMAIN
- NEW INTERIOR WALL
- NEW 8" CMU + BRICK VENEER WALL

AIR LOCK

BASIC STRUCTURAL SYSTEM	Structural Steel System
SEISMIC RESISTING SYSTEM	Not Specifically Detailed for Seismic Resistance
RESPONSE MODIFICATION COEFFICIENT	R 3.00
SYSTEM OVERSTRENGTH FACTOR	Omega 3.00
DEFLECTION AMPLIFICATION FACTOR	Cd 3.00
SEISMIC RESPONSE COEFFICIENT	Cs 0.047
ANALYSIS PROCEDURE	Equivalent Lateral Force
SEISMIC BASE SHEAR	0.5 KIPS
WIND BASE SHEAR (x-x / y-y)	1.8 / 3.5 KIPS

SHELTER

BASIC STRUCTURAL SYSTEM	Bearing Wall System
SEISMIC RESISTING SYSTEM	Reinf. Masonry Shear Walls
RESPONSE MODIFICATION COEFFICIENT	R 3.50
SYSTEM OVERSTRENGTH FACTOR	Omega 2.50
DEFLECTION AMPLIFICATION FACTOR	Cd 2.25
SEISMIC RESPONSE COEFFICIENT	Cs 0.047
ANALYSIS PROCEDURE	Equivalent Lateral Force
SEISMIC BASE SHEAR	2.1 KIPS
WIND BASE SHEAR (x-x / y-y)	2.7 / 5.0 KIPS

ROOF FRAMING PLAN NOTES :

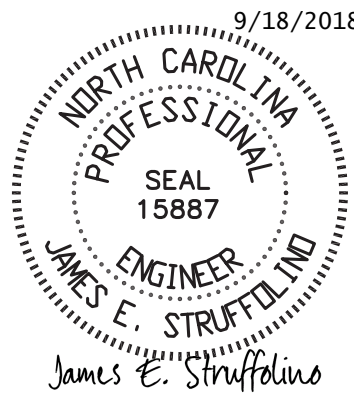
- THE REFERENCE FINISH FLOOR ELEVATION = 0'-0". THE TYPICAL TRUSS BEARING ELEVATION IS AT 10'-1 1/2" ABOVE THE FINISH FLOOR (MATCH EXISTING, G.C. VERIFY).
- ROOF SHEATHING SHALL BE 5/8" THICK, 40/20 APA RATED CDX PLYWOOD OR OSB. ATTACH SHEATHING TO FRAMING MEMBERS WITH 10d NAILS SPACED 6" O.C. AT PANEL EDGES AND 12" O.C. IN THE PANEL FIELD. SEE DETAIL 01/S3.1.
- SHADED AREAS ON THE FRAMING PLAN DENOTE OVERBUILT TRUSS VALLEY-SET FRAMING OR STICK FRAMING. IF STICK FRAMING, USE 2x6'S 16" O.C. ON TOP OF MAIN ROOF SHEATHING. SEE DETAIL 04/S3.2.
- SEE SHEET S1.1 AND ARCHITECTURAL DRAWINGS FOR WALL DIMENSIONS NOT NOTED ON THIS PLAN.
- SEE SHEET S1.3 FOR ATTIC LAYOUT.
- SEE SHEET S0.1 FOR ROOF TRUSS DESIGN NOTES AND TRUSS PROFILES. SPACE TRUSSES 24' ON CENTER, MAXIMUM. THIS IS NOT A TRUSS PLACING PLAN, SEE TRUSS SHOP DRAWINGS FOR TRUSS PLACEMENT. GYPSUM SHEATHING IS TO BE ATTACHED DIRECTLY TO THE UNDERSIDE OF TRUSS BOTTOM CHORDS.
- SEE SHEET S0.1 FOR ADDITIONAL STRUCTURAL NOTES.

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WBS: 15RE.10.3
SCO ID# 18-19070-01A

PROJECT TITLE
NORTHAMPTON CTY.
REST AREA-RENOV.

I-95 NEAR VA STATE LINE
PLEASANT HILL, NORTH CAROLINA

PROJECT NO.
LA-11835

DRAWING TITLE
ROOF FRAMING
PLAN

SHEET 3 OF 7

S1.2

PLOT DATE 9/18/18

REVISION

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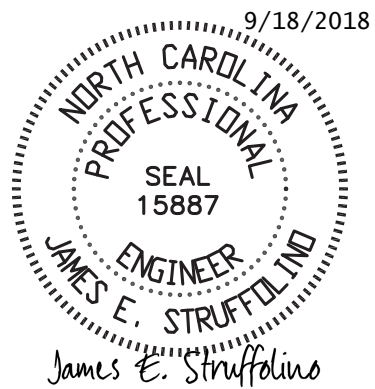
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PLEASANT HILL, NORTH CAROLINA

PROJECT NO.
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DRAWING TITLE
ATTIC PLAN

SHEET 4 OF 7

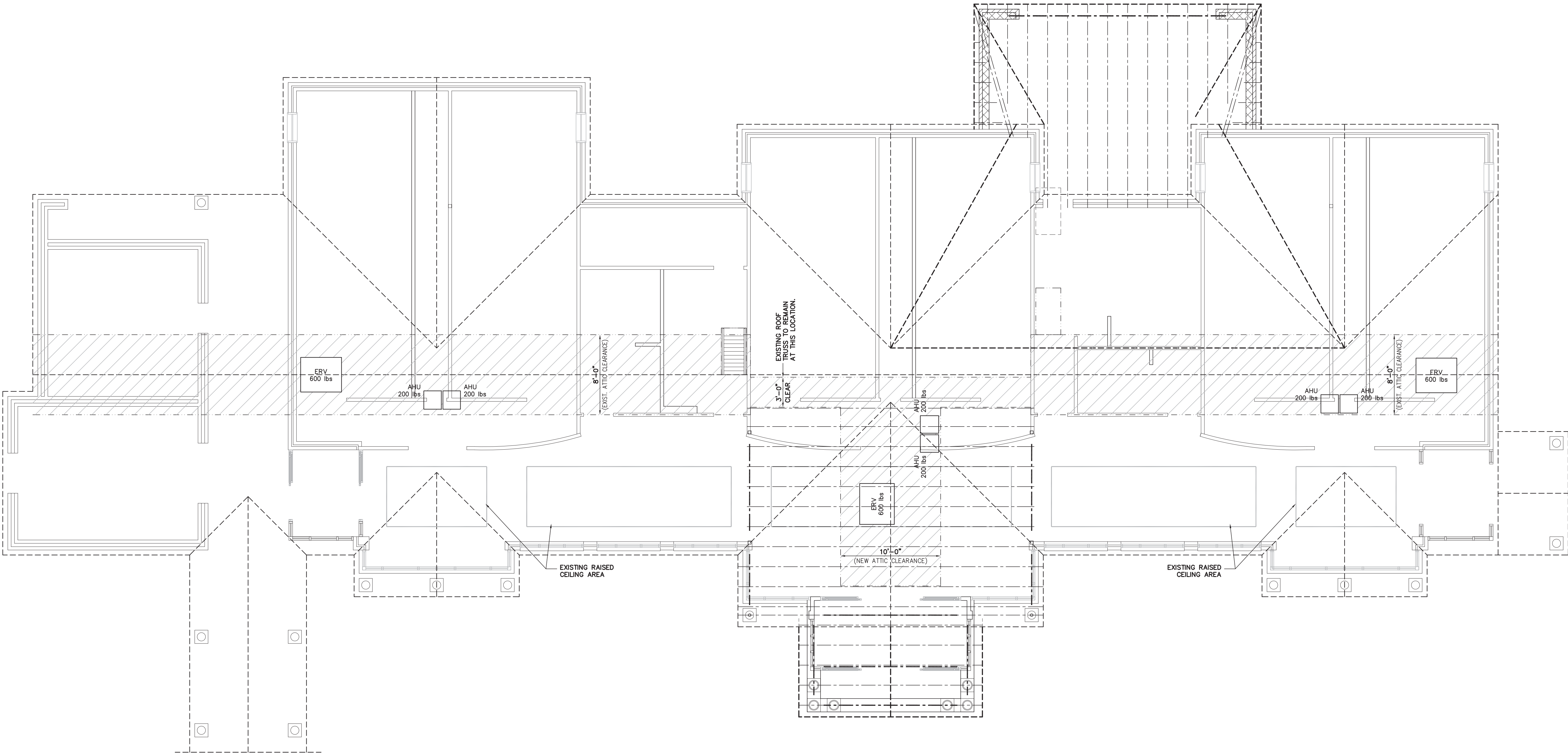
S1.3

PLOT DATE 9/18/18

REVISION

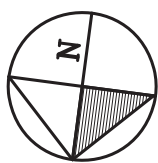
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ATTIC PLAN 01

SCALE : 3/16" = 1'-0"

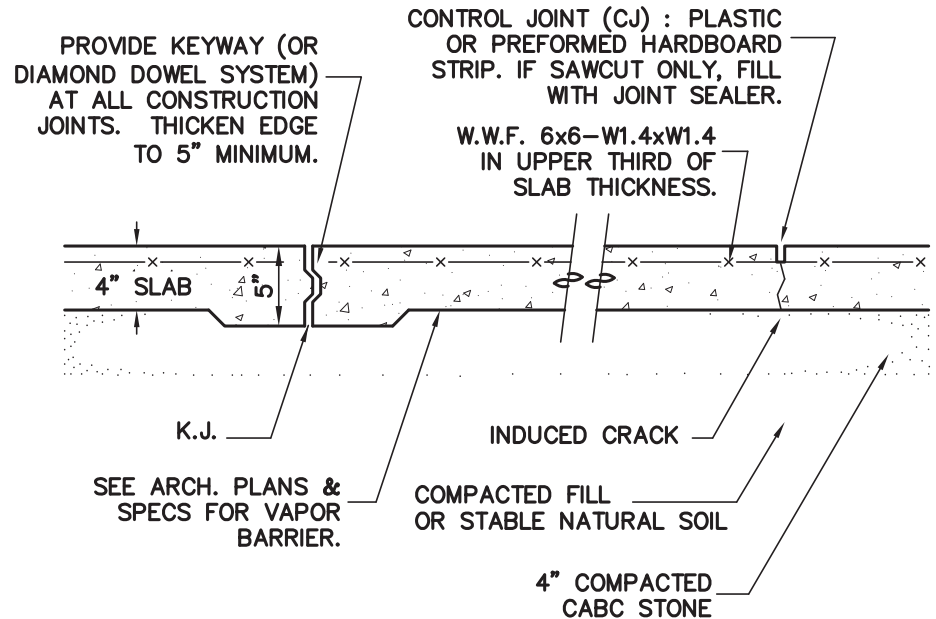


WALL LEGEND

- EXIST. BRICK VENEER WALL TO REMAIN
- EXIST. INTERIOR WALL TO REMAIN
- NEW INTERIOR WALL
- NEW 8" CMU + BRICK VENEER WALL

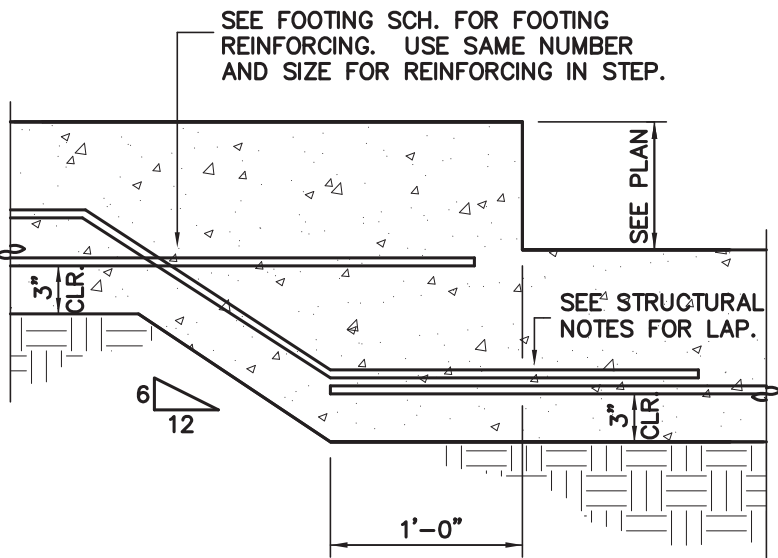
ATTIC PLAN NOTES :

1. THE REFERENCE FINISH FLOOR ELEVATION = 0'-0". THE TYPICAL TRUSS BEARING ELEVATION IS AT 10'-1 1/2" ABOVE THE FINISH FLOOR (MATCH EXISTING, G.C. VERIFY).
2. THE HATCHED AREA ON THE PLAN DENOTES OPEN ATTIC SPACE. THE TRUSS SUPPLIER SHALL DESIGN THE ATTIC FLOOR FOR A 25 PSF LIVE LOAD IN THIS AREA.
3. SEE SHEET S1.1 AND ARCHITECTURAL DRAWINGS FOR WALL DIMENSIONS NOT NOTED ON THIS PLAN.
4. SEE SHEET S1.2 FOR THE ROOF FRAMING PLAN.
5. SEE SHEET S0.1 FOR ADDITIONAL STRUCTURAL NOTES.

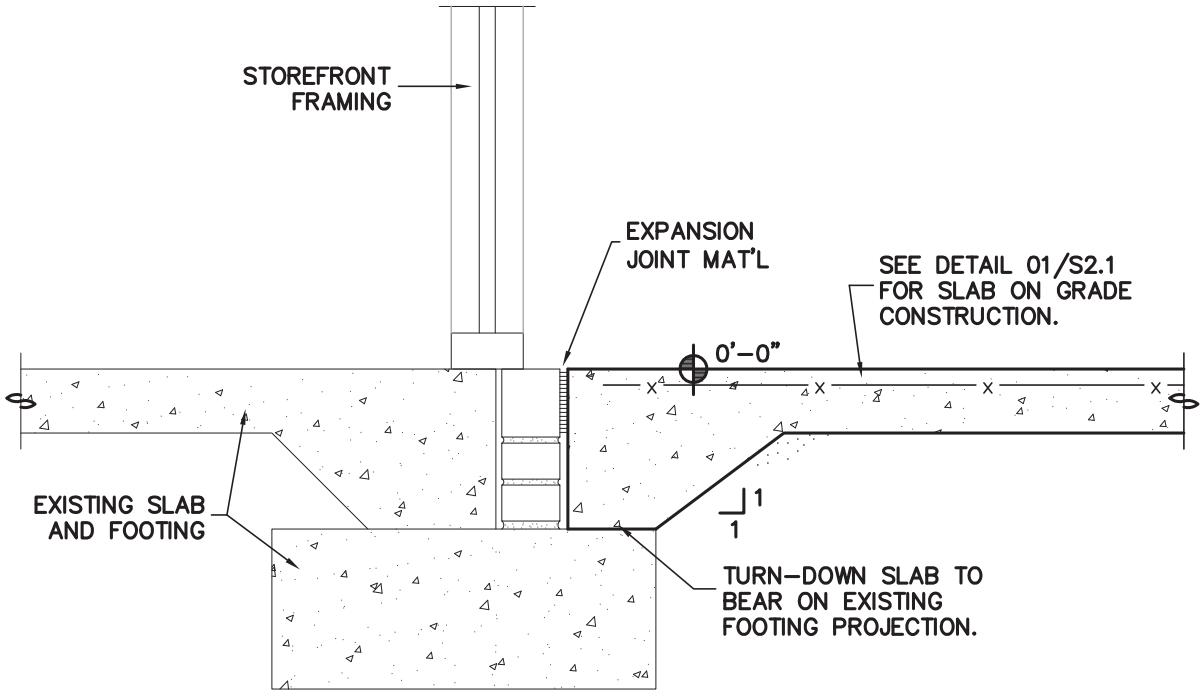


NOTES:
USE A KEYED CONSTRUCTION JOINT (K.J.) BETWEEN POURS.
SLAB IS ADEQUATE FOR A LIGHT COMMERCIAL OCCUPANCY
WITH A MAXIMUM LIVE LOAD OF 100 PSF.

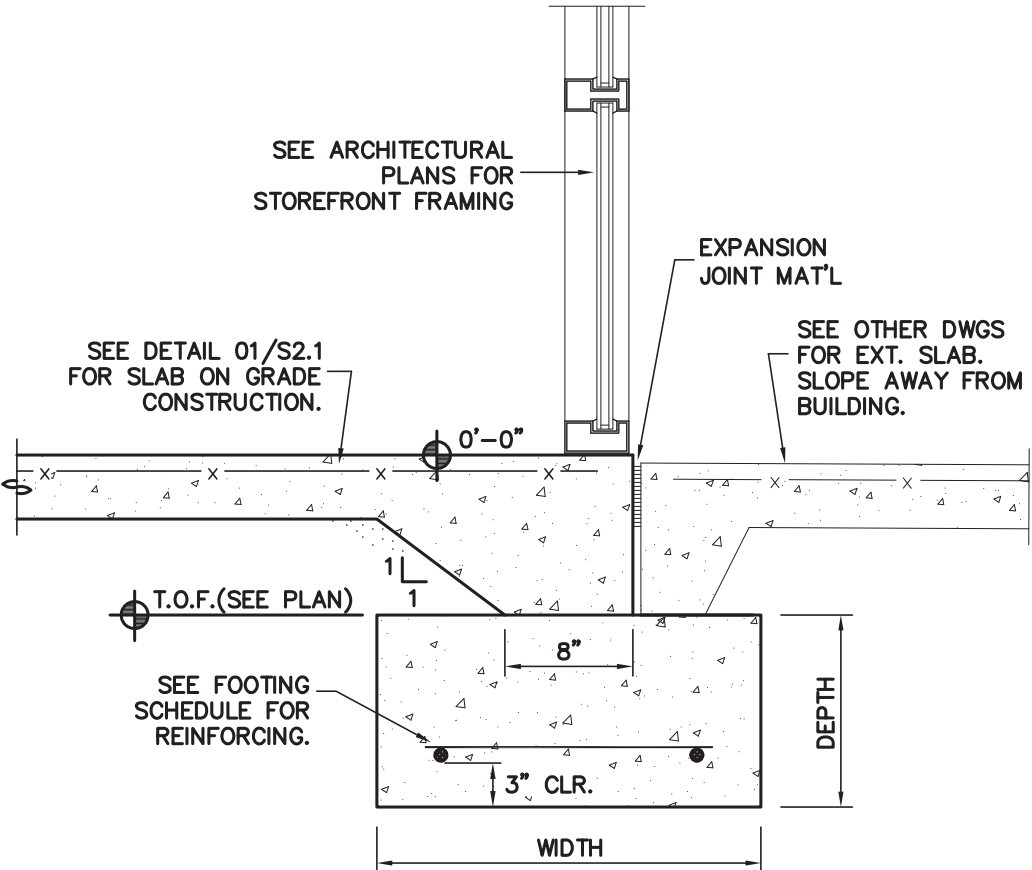
DETAIL 01 1" SCALE
TYP. SLAB ON GRADE, CONTROL JOINT, CONSTRUCTION JOINT



DETAIL 02 1" SCALE
STEPPED FOOTING DETAIL

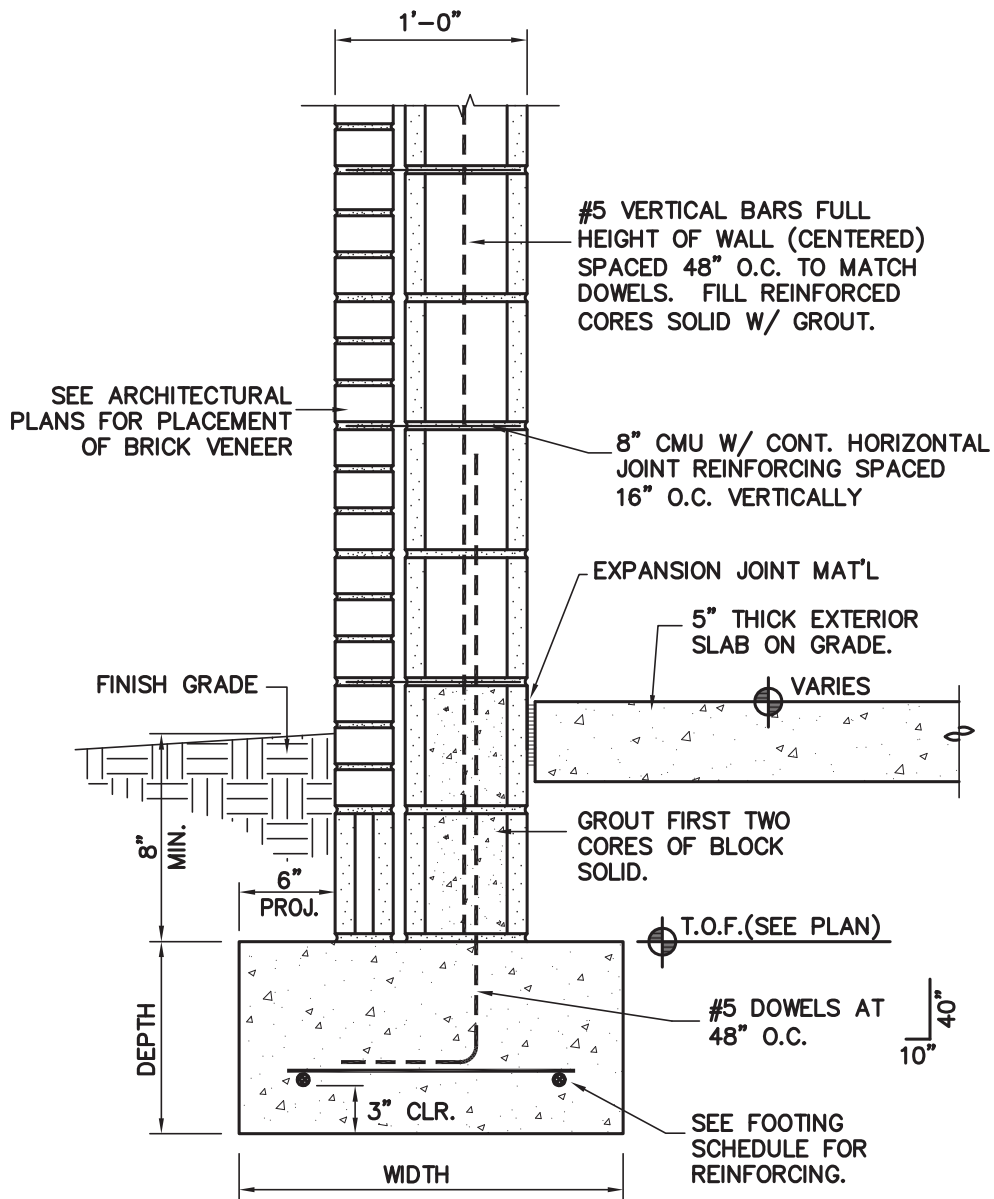


DETAIL 03 1" SCALE
EDGE OF NEW SLAB AT EXISTING BUILDING

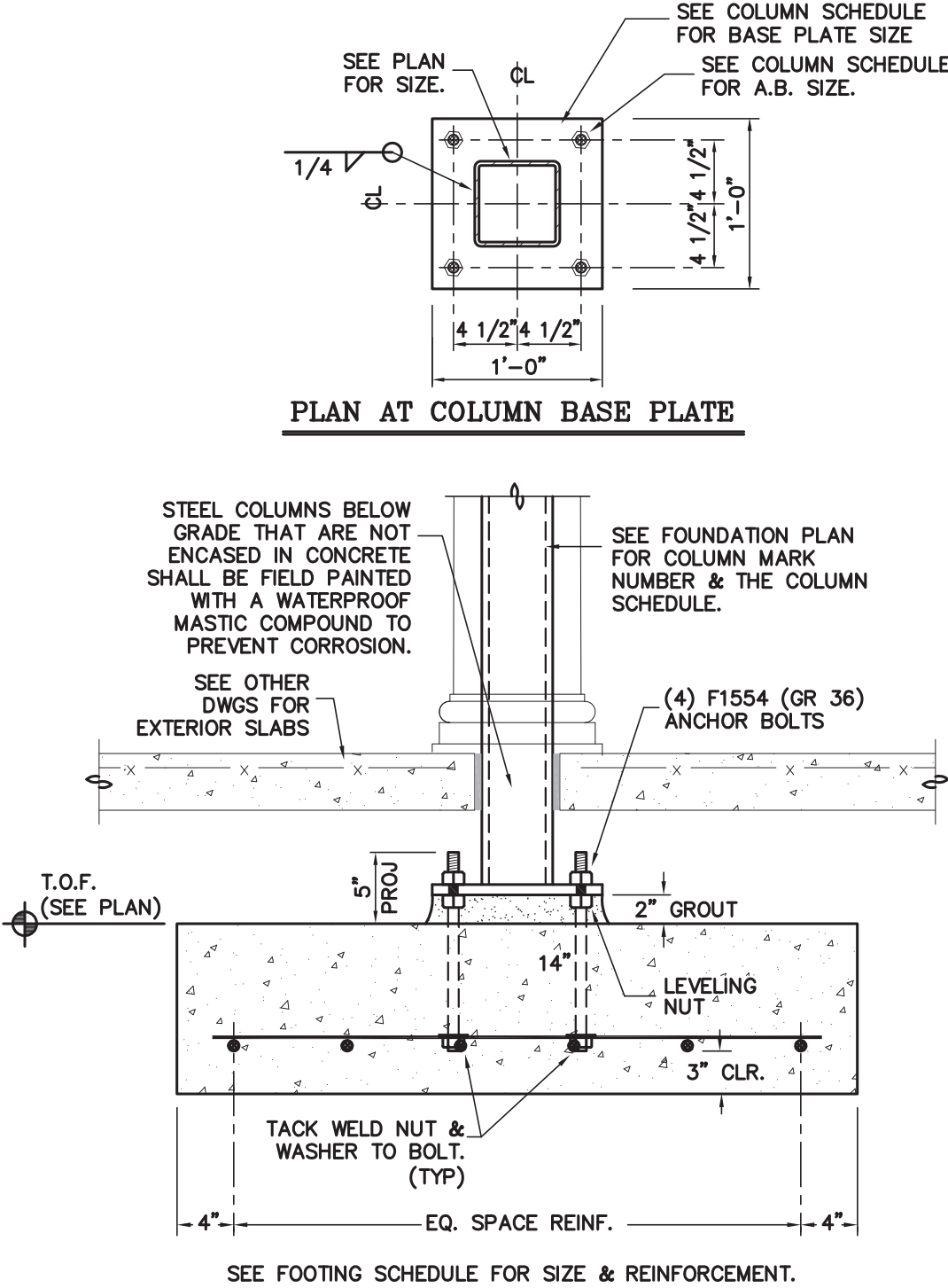


DETAIL 04 1" SCALE
WALL FOOTING SECTION AT NEW AIR LOCK

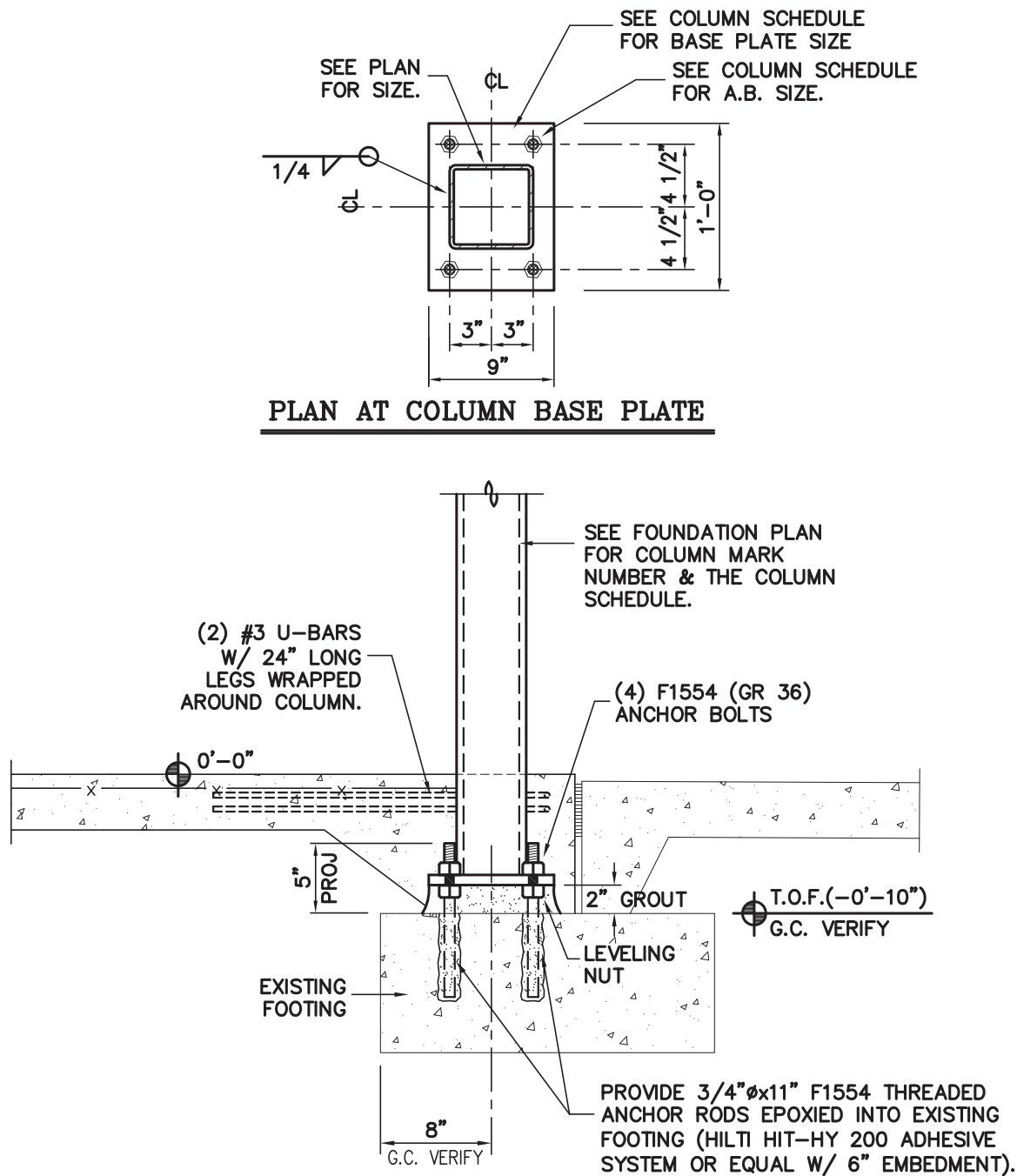
G.C. / MASON SUBCONTRACTOR NOTE:
ALL VERTICAL REINFORCING BARS ARE TO BE CENTERED
IN WALLS UNLESS NOTED OTHERWISE.
1) A VERTICAL BAR SHALL BE LOCATED AT ALL CORNERS.
2) A VERTICAL BAR SHALL BE LOCATED WITHIN 8" OF THE
ENDS OF ALL WALLS.



DETAIL 05 1" SCALE
WALL FOOTING SECTION AT SHELTER



DETAIL 06 1" SCALE
NEW STEEL COLUMN SETTING DETAIL ON NEW FOUNDATION



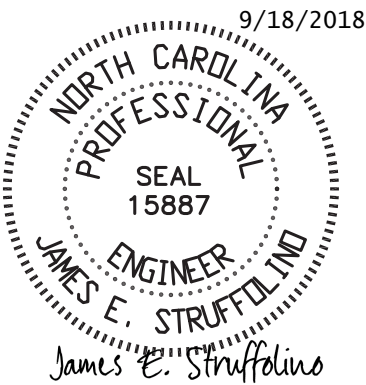
DETAIL 07 1" SCALE
NEW STEEL COLUMN SETTING DETAIL ON EXISTING FOUNDATION

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PROJECT NO.
LA-11835

DRAWING TITLE
FOUNDATION
DETAILS

SHEET 5 OF 7

S2.1

PLOT DATE 9/18/18
REVISION

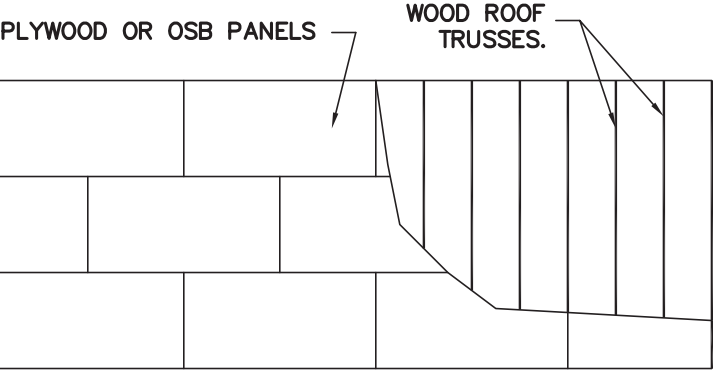
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ROOF SHEATHING INSTALLATION NOTES :

THE ROOF SHEATHING SHALL BE 5/8" THICK, 40/20 APA RATED CDX PLYWOOD OR OSB. FASTEN SHEATHING TO ROOF TRUSSES AND OTHER SUPPORTS WITH 10d NAILS SPACED 6" O.C. AT PANEL EDGES AND AT 12" O.C. IN THE PANEL FIELD.

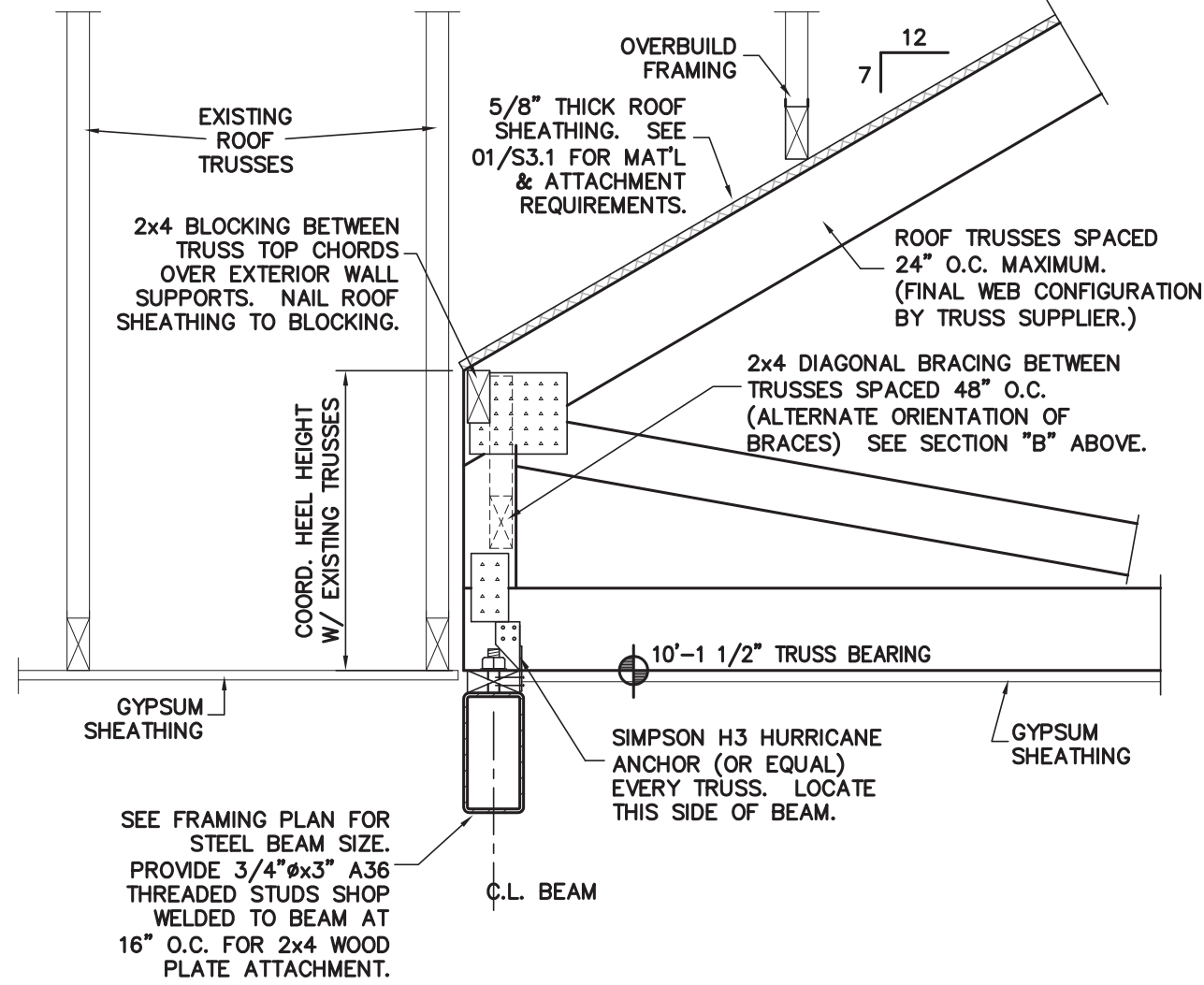
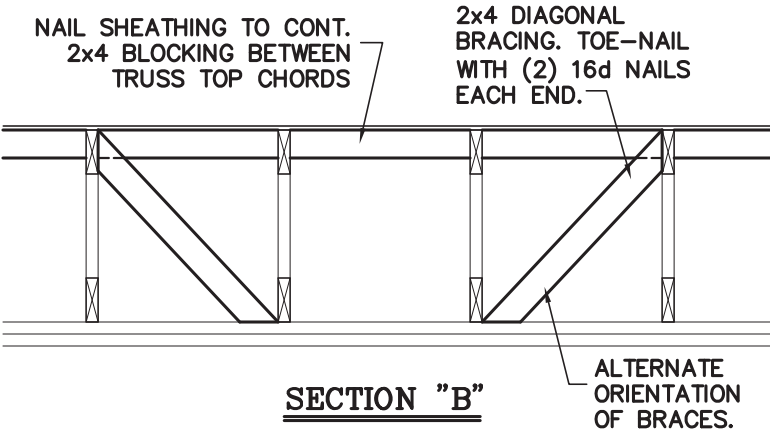
ORIENT ROOF SHEATHING PANELS AS SHOWN BELOW:



DETAIL 01

ROOF SHEATHING ATTACHMENT

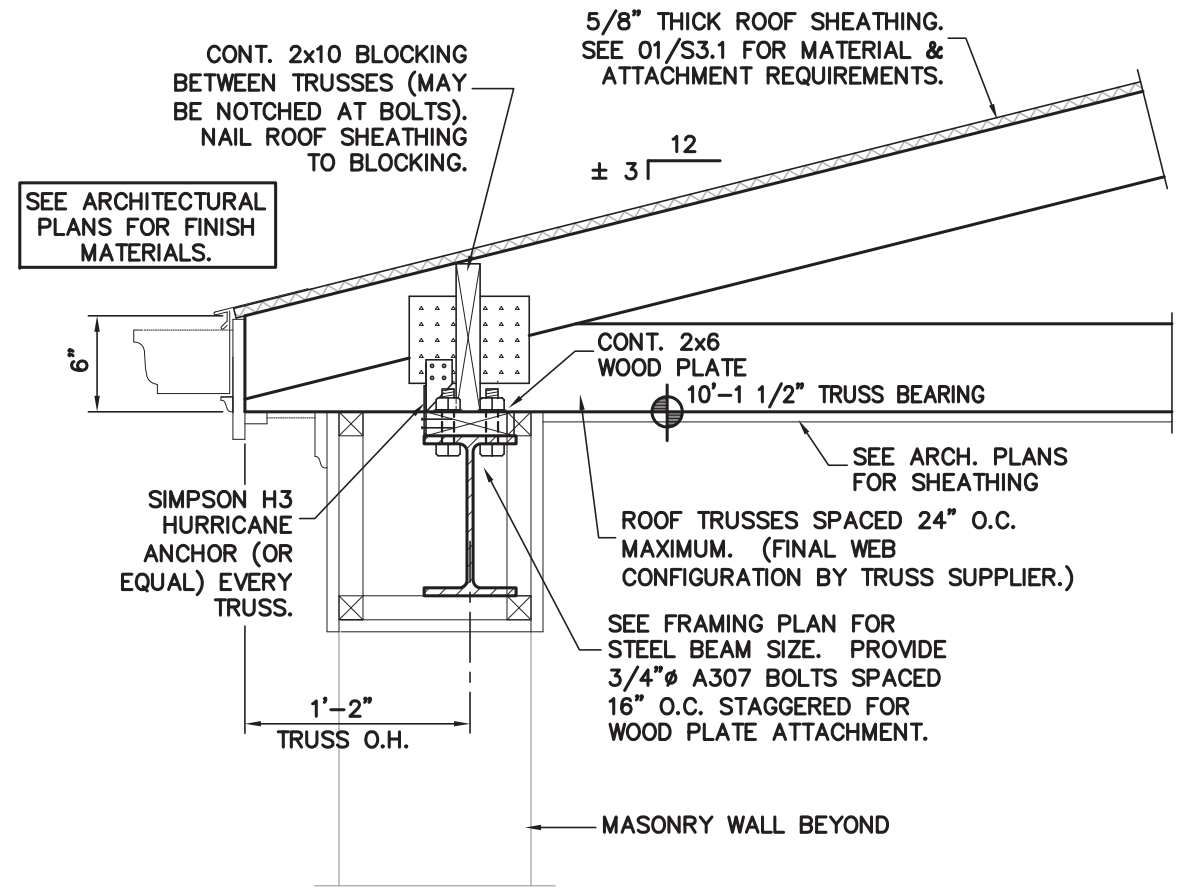
NO SCALE



DETAIL 04

ROOF TRUSS SUPPORT AT NEW STEEL BEAM

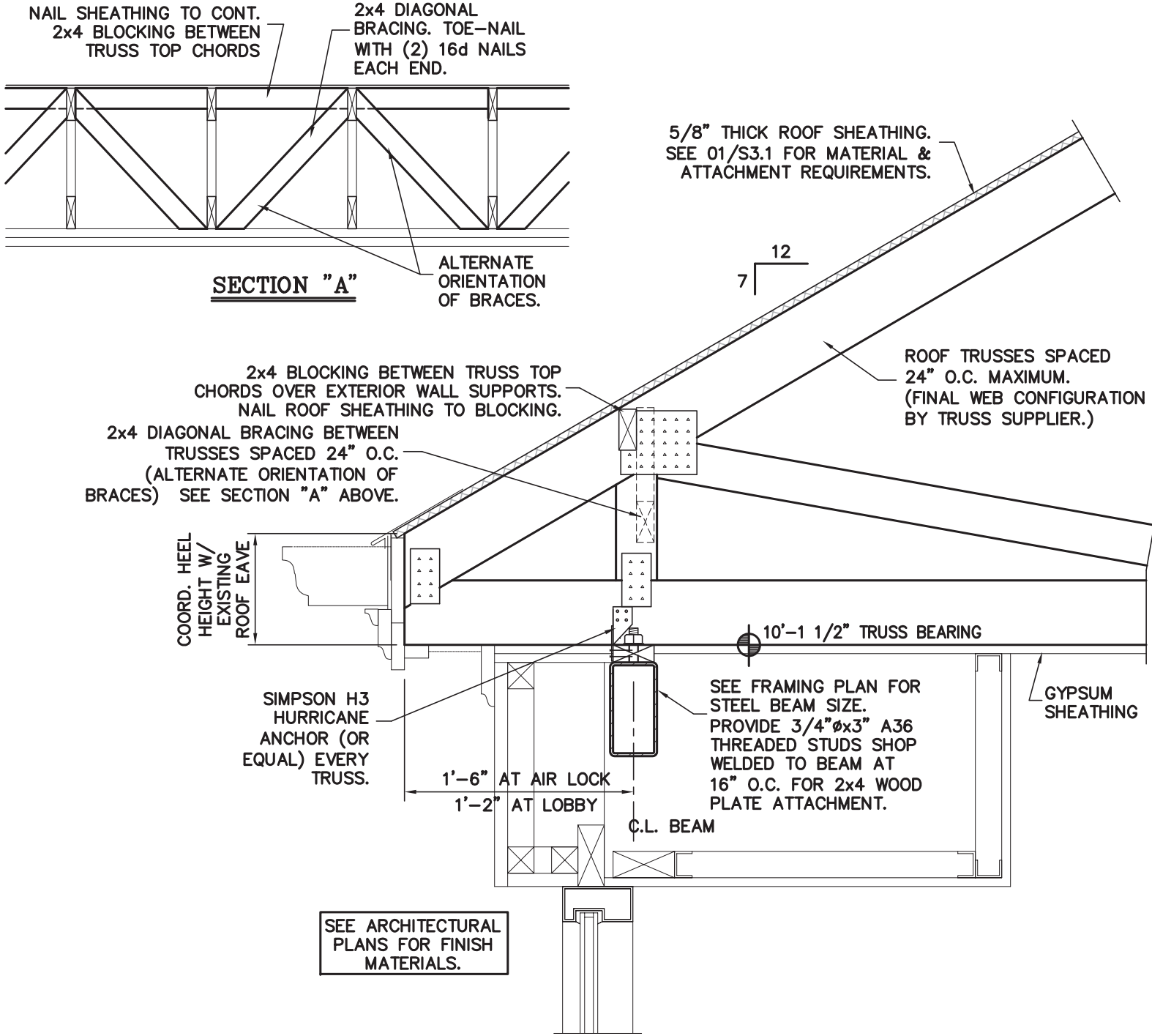
1" SCALE



DETAIL 06

ROOF TRUSS SUPPORT AT SHELTER

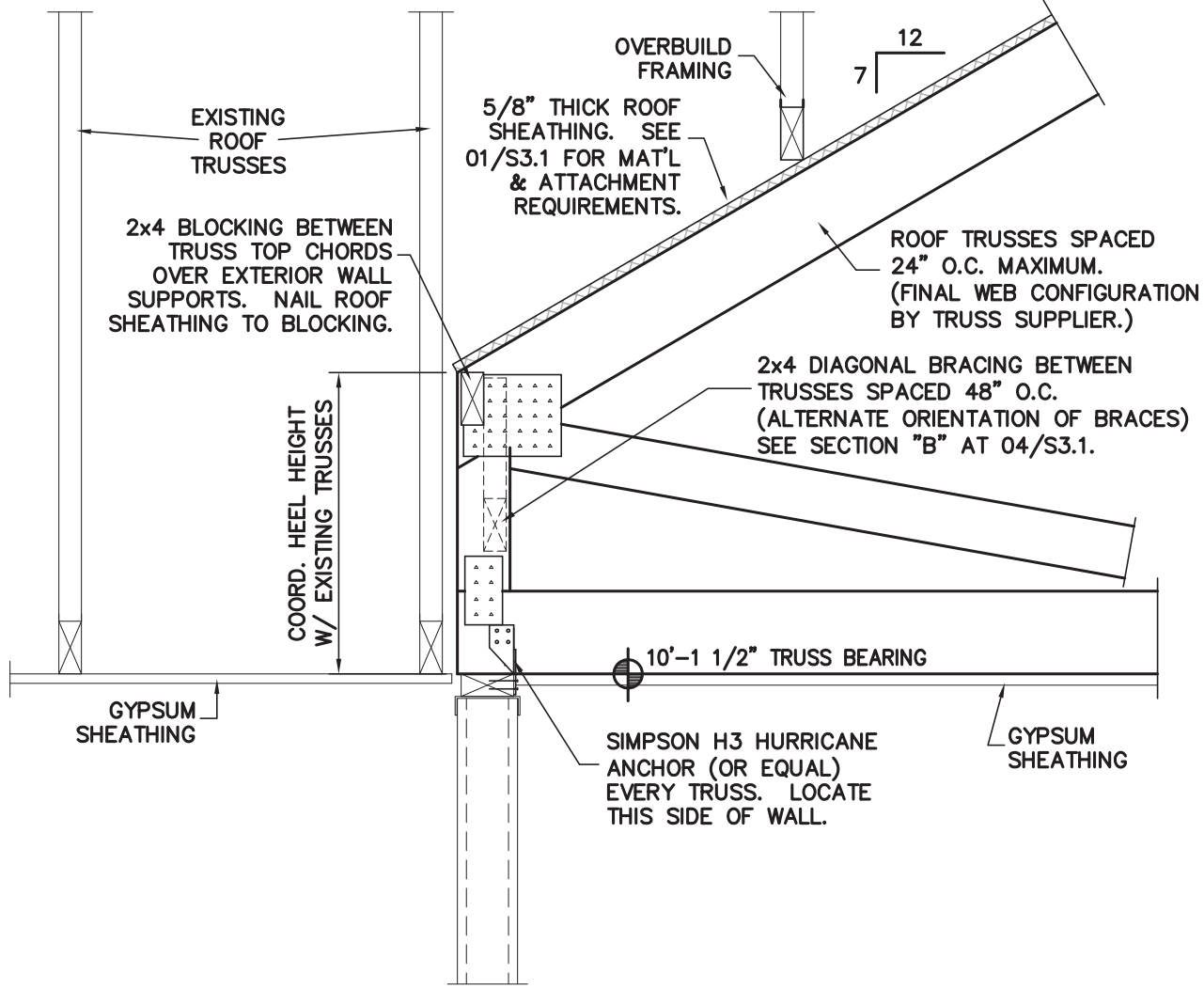
1" SCALE



DETAIL 02

ROOF TRUSS SUPPORT AT AIR LOCK & LOBBY

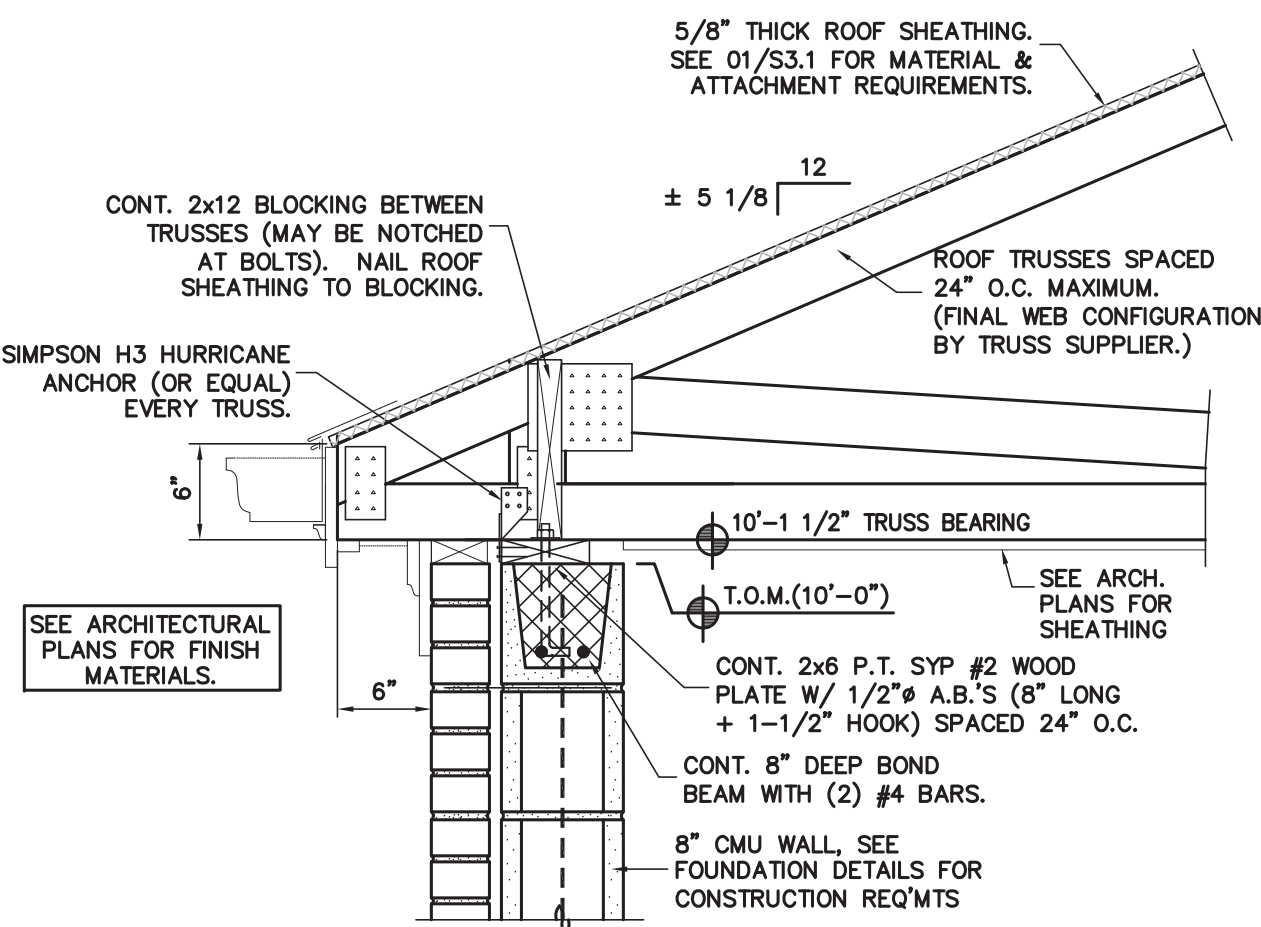
1" SCALE



DETAIL 05

ROOF TRUSS SUPPORT AT EXISTING BEARING WALL

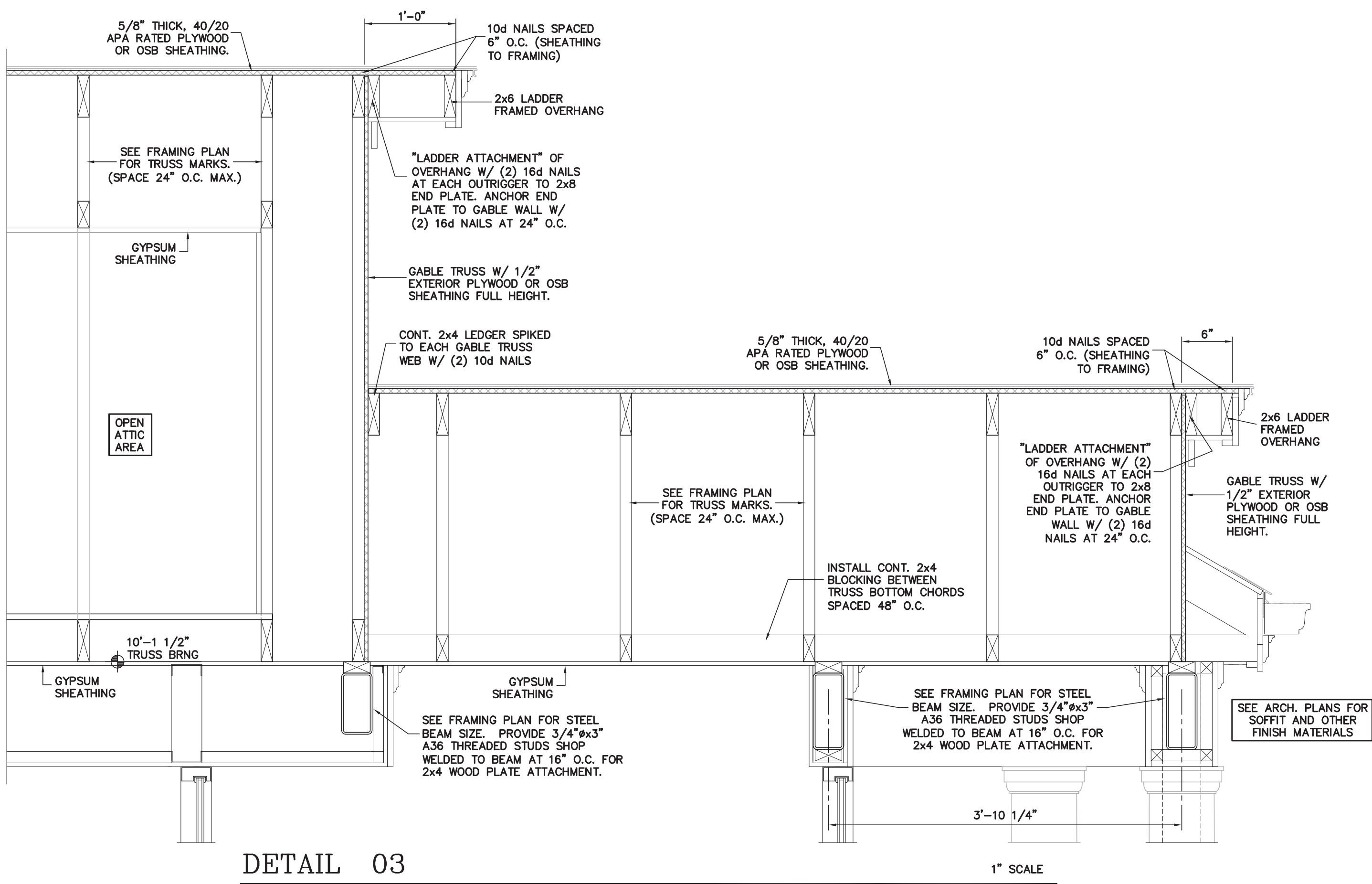
1" SCALE



DETAIL 07

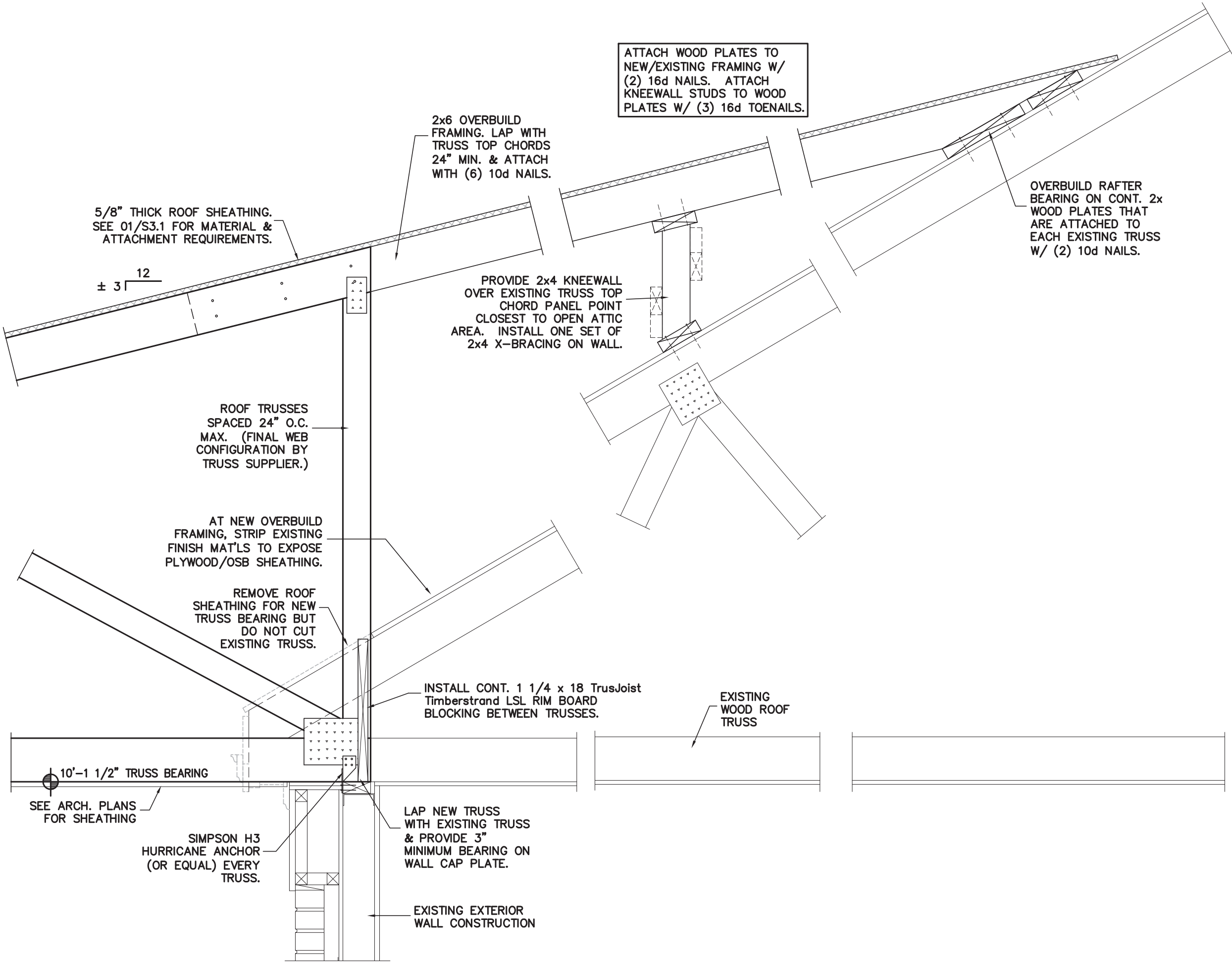
ROOF TRUSS SUPPORT AT SHELTER CMU WALL

1" SCALE



DETAIL 03

ROOF FRAMING SECTION AT AIR LOCK GABLE



DETAIL 08

SHELTER ROOF TRUSS SUPPORT AT EXISTING BUILDING

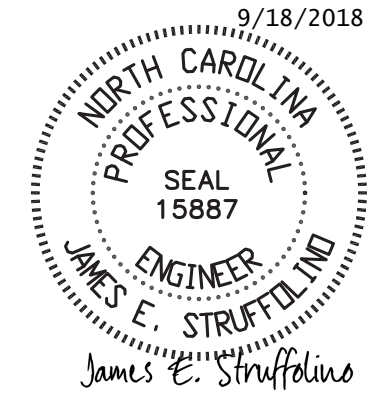
1" SCALE

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PROJECT NO.
LA-11835

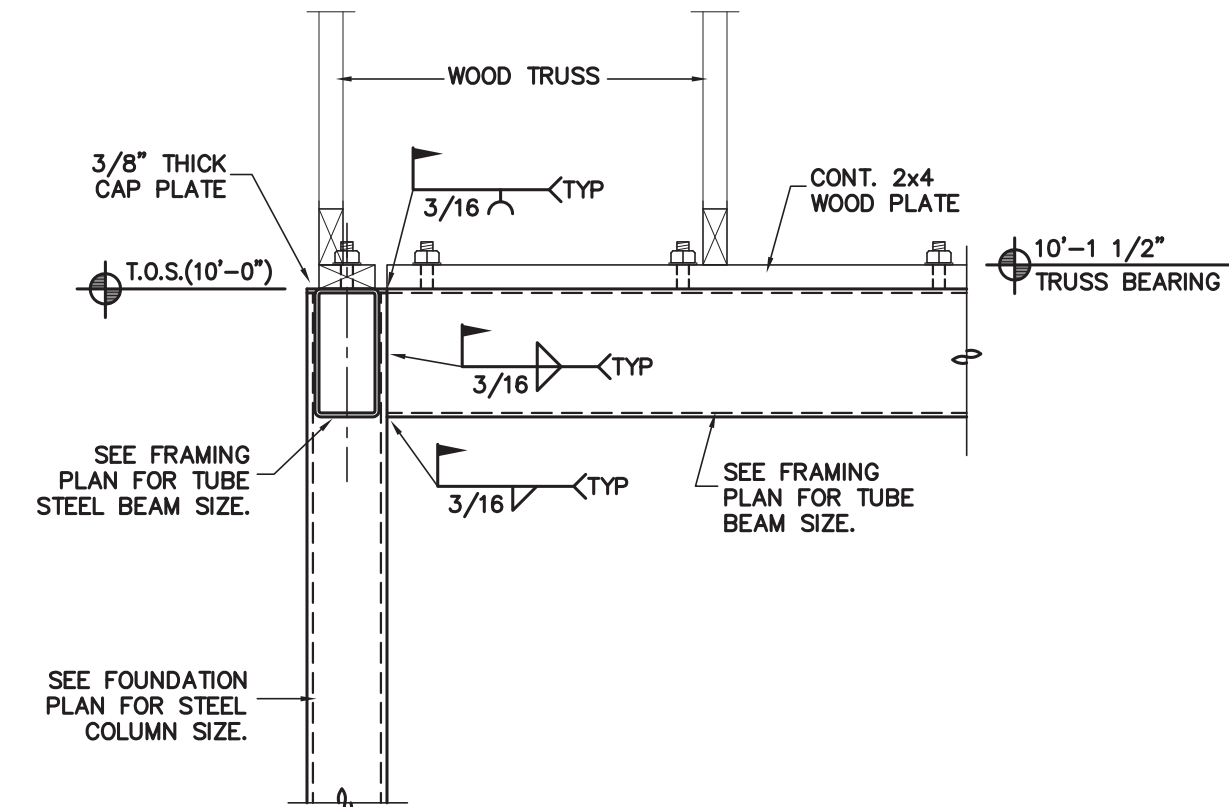
DRAWING TITLE
FRAMING DETAILS

SHEET 6 OF 7

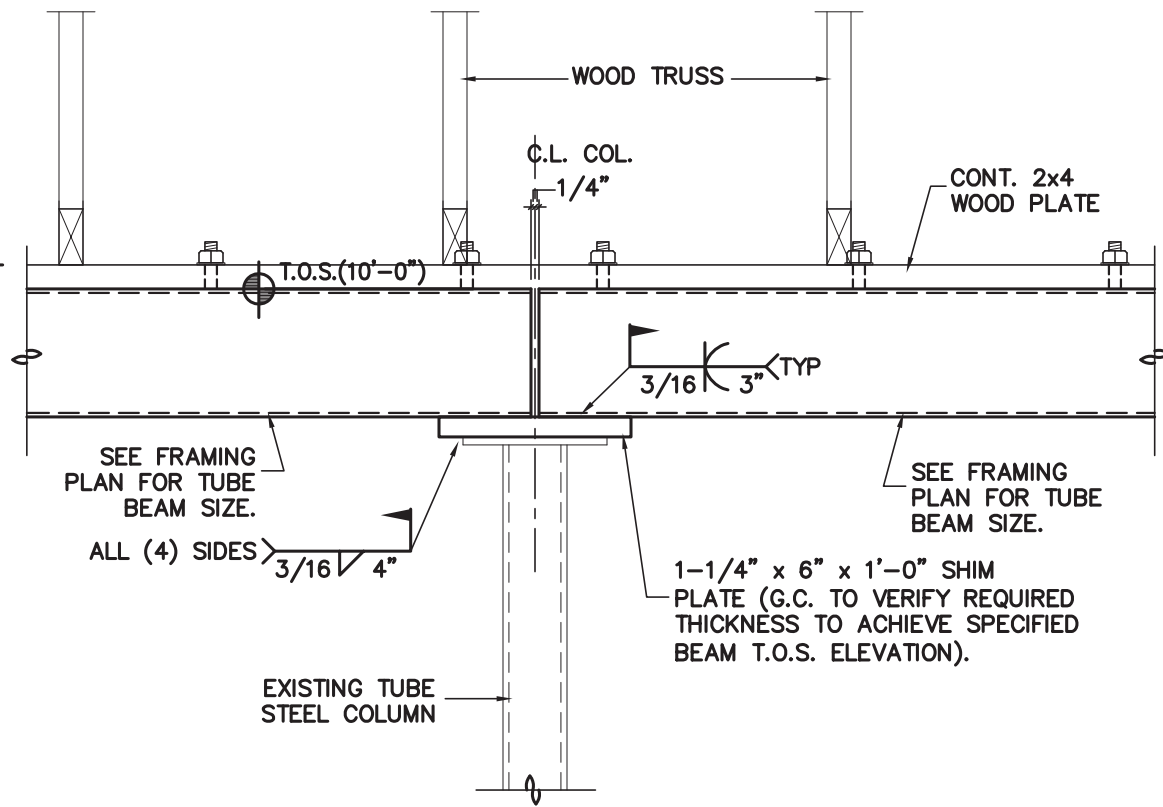
S3.1

PLOT DATE 9/18/18
REVISION

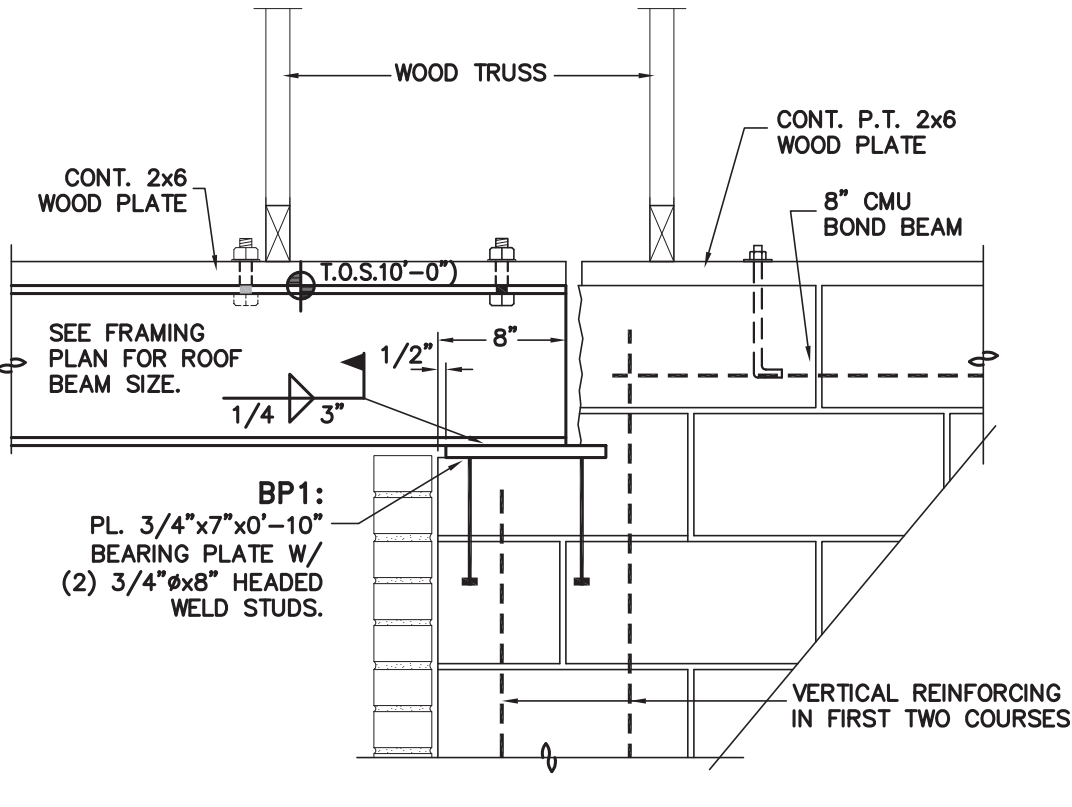
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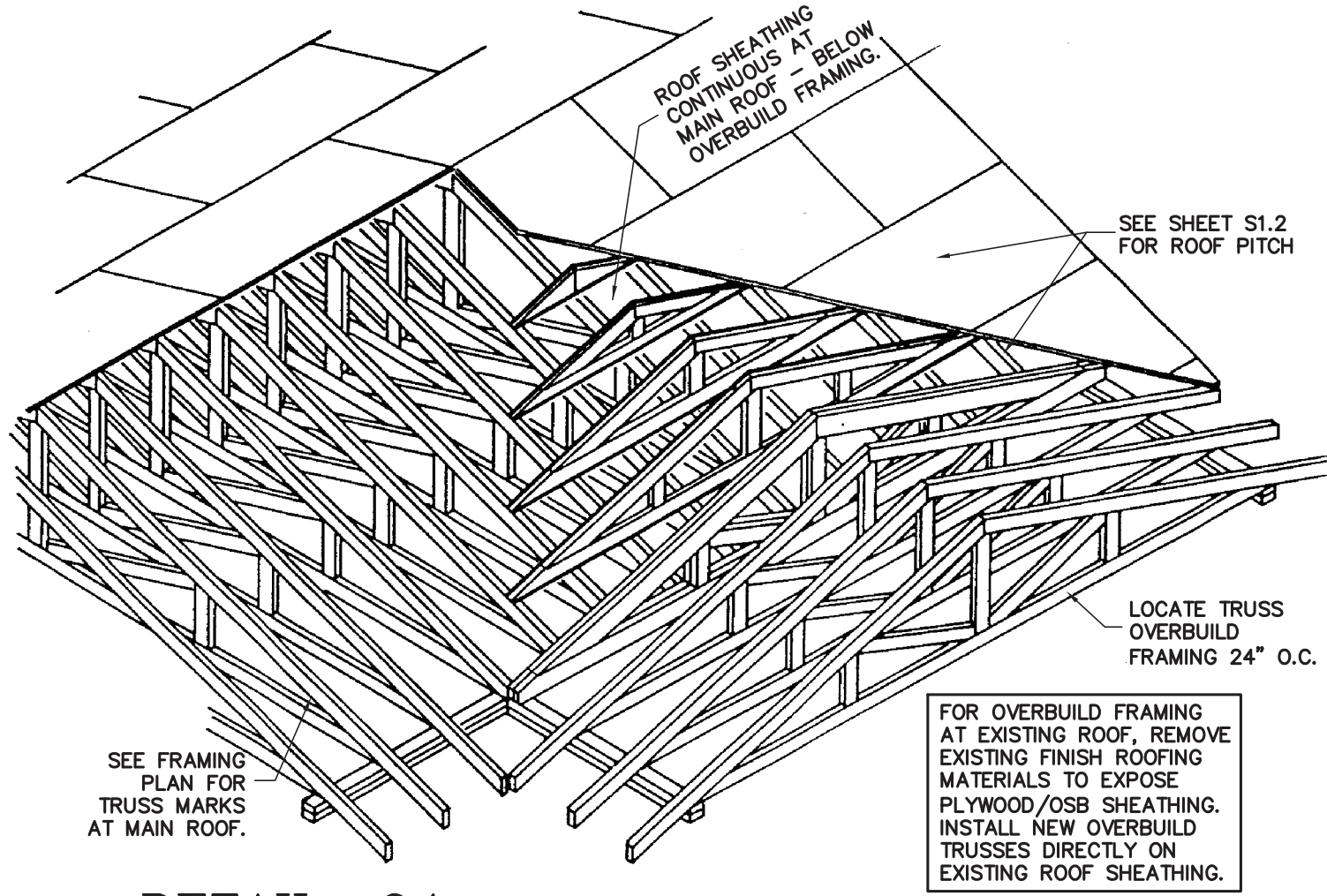
DETAIL 01
TYPICAL TUBE STEEL BEAM TO NEW TUBE COLUMN CONNECTION



DETAIL 02
NEW TUBE STEEL BEAM TO EXISTING COLUMN CONNECTION



DETAIL 03
ROOF BEAM TO CMU WALL CONNECTION



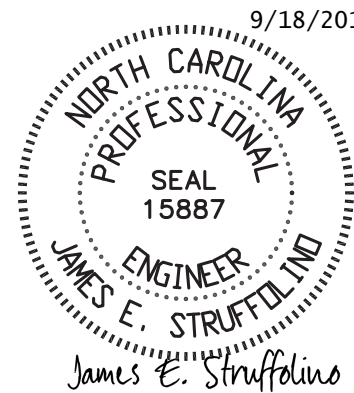
DETAIL 04
TYPICAL ROOF OVER-BUILD FRAMING

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SHEET 7 OF 7

S3.2

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PLUMBING FIXTURE SCHEDULE *			
MARK	DESCRIPTION	ALTERNATE MANUFACTURER/MODEL	ALTERNATE MANUFACTURER/MODEL
CP	CIRCULATING PUMP BELL & GOSSET, SERIES NBF-22 IN-LINE CIRCULATOR PUMP, 1/12 HP, 115 VAC, FLA=0.8 1 Ph., 3/4" CONN., WITH A MAXIMUM OF 22 GPM AND 15' TDH. PUMP TO BE ALL BRONZE CONSTRUCTION, COORDINATE WITH ELEC. CONTRACTOR FOR POWER FEED. PROVIDE DISCONNECT SWITCH, AQUASTAT CONTROL, THERMOMETER/TEMPERATURE GAUGES.	TACO MODEL #110.	ARMSTRONG MODEL #5-25.
EWC	ELECTRIC WATER COOLER (HI-LO ADA, FILTERED REFRIGERATED, ACCESSORY APRON FOR HIGH UNIT) ELKAY LZWS-LRPBM28K WITH BOTTLE FILLER, ACCESSORY CANE APRON LKAPR1. COORDINATE WITH ARCH FOR MOUNTING HEIGHTS, VERIFY MODEL FOR HI/LO LOCATIONS (1--LOW/ADA HEIGHT, 1--HIGH).	HALSEY-TAYLOR MODEL #4THBWF-OVLSEI-I. ACCESSORY APRON HTOVLAPR.	OASIS MODEL #M8CRSBF STNLS. STL. ACCESSORY APRON.
EWH-1	ELECTRIC WATER HEATER #1 (FOR HTHW TO MOP SINK) A.O. SMITH MODEL #JC-10, 10 GALLONS, 1,650 WATT, 3/4" INLET AND OUTLET, 120V. AO SMITH MODEL #PMC-2 EXPANSION TANK.	RHEEM #81VP10S. AMTROL ST-5-C EXPANSION TANK.	BRADFORD WHITE #M-1-10U6SS. STATE ETC-2X EXPANSION TANK.
EWH-2	ELECTRIC WATER HEATER #2 (FOR LTHW TO SINKS/LAVATORIES) AO SMITH WATER HEATER MODEL #DEN-52, 50 GALLONS, 4500 WATT, 240 VOLT, 1 PHASE, NON-SIMULTANEOUS DUAL ELEMENTS, 3/4" INLET/OUTLET, AO SMITH MODEL #PMC-2 EXPANSION TANK.	BRADFORD WHITE #LD-50R3-3. AMTROL ST-5-C EXPANSION TANK.	STATE #ES6-50-DORT. STATE ETC-2X EXPANSION TANK.
FD	FLOOR DRAIN ZURN MODEL ZN415 WITH HEEL-PROOF TYPE B STRAINER, CAST IRON WITH NICKEL BRONZE TOP, 5" DIA. STRAINER, 3" PIPE CONNECTION (VERIFY PER CONNECTIONS TO EXISTING PIPING), AND VANDAL-PROOF TOP.	JOSAM #30000-A.	JAY R. SMITH #2005-A.
FDR	RECESSED FLOOR DRAIN ZURN MODEL ZN415 WITH HEEL-PROOF TYPE B STRAINER, CAST IRON WITH NICKEL BRONZE TOP, 5" DIA. STRAINER, 3" PIPE CONNECTION. RECESS 2" IN FLOOR SLAB- SEE DETAIL THIS SHEET. PROVIDE TRAP PRIMER CONNECTION.	JOSAM #30000-A.	JAY R. SMITH #2005-A.
RHB	RECESSED HOSE BIBB ENCASED IN FLUSH-TO-WALL BOX ZURN Z-1330-C, 3/4" WALL HYDRANT WITH VANDAL RESISTANT VACUUM BREAKER. ENCASED WITH KEY LOCK.	WATTS #HY-330.	JAY R. SMITH #5509QT.
L1	LAVATORY (ACCESSIBLE, WALL HUNG) AMERICAN STANDARD "LUCERNE" # 0356.421 WHITE WITH CONCEALED ARM CARRIER AND DRAIN ASSEMBLY (7723.018). ADA COMPLIANT. FURNISH WITH SLOAN OPTIMA EAF-275 SOLAR POWERED FAUCET. SINK MODEL FOR SINGLE CENTER HOLE.	KOHLER GREENWICH #K-2032 WITH HYDROTEK 7000SLE SOLAR SENSOR FAUCET.	ELJER MURRAY II #051-0244 WITH TOTO TEL3GS10 SOLAR SENSOR FAUCET.
L2	2- STATION LAVATORY (ACCESSIBLE) BRADLEY TWO STATION LAVATORY #ELX-2. ADA COMPLIANT. PROVIDE TWO DRAINS W/GRID STRAINERS, VERIFY COLOR WITH ARCHITECT. FURNISH WITH SLOAN EAF-275 SOLAR POWERED FAUCETS.	SLOAN SLOANSTONE #ELS-72000 WITH HYDROTEK 7000SLE SOLAR SENSOR FAUCET.	WILLOUGHBY MODEL WAW-232-DMF WITH TOTO TEL3GS10 SOLAR SENSOR FAUCETS.
MS	MOP SINK BASIN WITH FAUCET BASIN- FLORESTONE MODEL 92 MOP SINK, 36" X 36" X 12", 3" DRAIN SIZE. VERIFY UNIT SIZE, FLANGE/CAP LOCATION REQUIREMENTS. PROVIDE/INSTALL ON PROPER MORTAR BED, LEVEL AS NEEDED, USE WEDGE-LOCK SEAL PER MANUFACTURER'S SPECIFICATIONS. USE WATER TO CHECK FOR PROPER DRAINAGE UPON ATTACHING DRAIN PIPE, AND PRIOR TO FINISHING WALLS. FAUCET- SPEARMAN MODEL SC-5812 FAUCET WITH VACUUM BREAKER. PROVIDE 5' HOSE AND MOP HANGER.	FIAT TSB3002 BASIN WITH 830AA FAUCET	STERN WILLIAMS HL-2010 BASIN WITH T-10-VB FAUCET.
TMV	THERMOSTATIC MIXING VALVE WATTS LFL1170 MIXING VALVE, 1" INLETS, 1" OUTLET, 0.5-23 GPM CAPACITY. INSTALL IN ACCESSIBLE LOCATION. SET OUTFLOW TO SPECIFIED TEMPERATURE (LTHW/110 DEG F.).	TACO 5000 SERIES.	LEONARD TM SERIES.
TPV	TRAP PRIMER VALVE PPP INC. MODEL# PR-500, 1/2" INLET, 1/2" OUTLET	JOSAM #8B300.	WATTS #A200.
UR	URINAL (HIGH EFFICIENCY) AMERICAN STANDARD "DECORUM" #6043.001EC, 0.125 GPF. VITREOUS CHINA, 3/4" BACK SPUD, AND SENSOR W/ MANUAL OVERRIDE FLUSH VALVE SLOAN #195-0.125-ES-S-OR (AC POWERED). ADA COMPLIANT.	KOHLER DEXTER K-5452-ER WITH HYDROTEK H8-D1B-0125 FLUSH VALVE.	TOTO #105UVG WITH AMERICAN STANDARD SELECTRONIC #6062.301.007 FLUSH VALVE.
VB	ICE MAKER VALVE BOX W/HAMMER ARRESTER OATEY ICE MAKER BOX 38570 WITH 1/4 TURN BALL VALVE AND HAMMER ARRESTER.	SIoux CHIEF OXBOX	IPS CORP. IMOB
WC1	WATER CLOSET (FLOOR MOUNT TOP SPUD) AMERICAN STANDARD "MADERA FLOWISE" #3461.001, ELONGATED BOWL, 1.28 GPF, VITREOUS CHINA, AND 1 1/2" TOP SPUD, ADA COMPLIANT. PROVIDE OPEN FRONT SEAT, AND SENSOR W/ MANUAL OVERRIDE FLUSH VALVE EQUAL TO SLOAN OPTIMA 111-1.28-ES-S (AC POWERED) FLUSH VALVE.	ZURN #Z5665 FIXTURE. ZURN #ZEMS6000IS FLUSH VALVE.	KOHLER HIGHCREST #K-4302 FIXTURE. HYDROTEK H8-128 VALVE.
WC2	WATER CLOSET (FLOOR MOUNT REAR OUTLET W/BACK SPUD) AMERICAN STANDARD "PRIOLO FLOWISE" #3697.001, ELONGATED BOWL, 1.28 GPF, VITREOUS CHINA, AND 1 1/2" BACK SPUD. WC TO BE ADA COMPLIANT WHERE REQUIRED. PROVIDE OPEN FRONT SEAT, AND SENSOR W/ MANUAL OVERRIDE FLUSH VALVE, EQUAL TO SLOAN OPTIMA MODEL 152-1.28-ES-S (AC POWERED) FLUSH VALVE. CARRIER SHALL BE ZURN 4" ADJUSTABLE VERTICAL NO HUB #Z1204-N4-X W/HEAVY-DUTY 500 LB. REAR ANCHOR.	ZURN Z5647-BWL FIXTURE, ZURN #ZEMS6152AV-HET, 1.28 GPF VALVE.	FIXTURE-NO 3RD CHOICE AVAILABLE. HYDROTEK H-800C-128, 1.28 GPF VALVE.
WC3	WATER CLOSET (WALL MOUNT BACK SPUD) W/HEAVY DUTY (500 LB.) RATED FIXTURE CARRIER AMERICAN STANDARD "AFWALL FLOWISE" #3353.128, ELONGATED BOWL, 1.28 GPF, VITREOUS CHINA, AND 1 1/2" BACK SPUD. WC3 TO BE ADA COMPLIANT WHERE REQUIRED. PROVIDE OPEN FRONT SEAT, AND SENSOR W/ MANUAL OVERRIDE FLUSH VALVE, EQUAL TO SLOAN OPTIMA MODEL 152-1.28-ES-S (AC POWERED) FLUSH VALVE. CARRIER SHALL BE ZURN 4" ADJUSTABLE VERTICAL NO HUB #Z1204-N4-X W/HEAVY-DUTY 500 LB. REAR ANCHOR.	ZURN #Z5617 FIXTURE. ZURN #ZEMS6140AV FLUSH VALVE. JAY R. SMITH #230 SERIES CARRIER.	KOHLER KINGSTON #K-4329 FIXTURE. HYDROTEK H-8000C-CB FLUSH VALVE. JOSAM STD. 4" NO HUB, 2" VENT CARRIER.

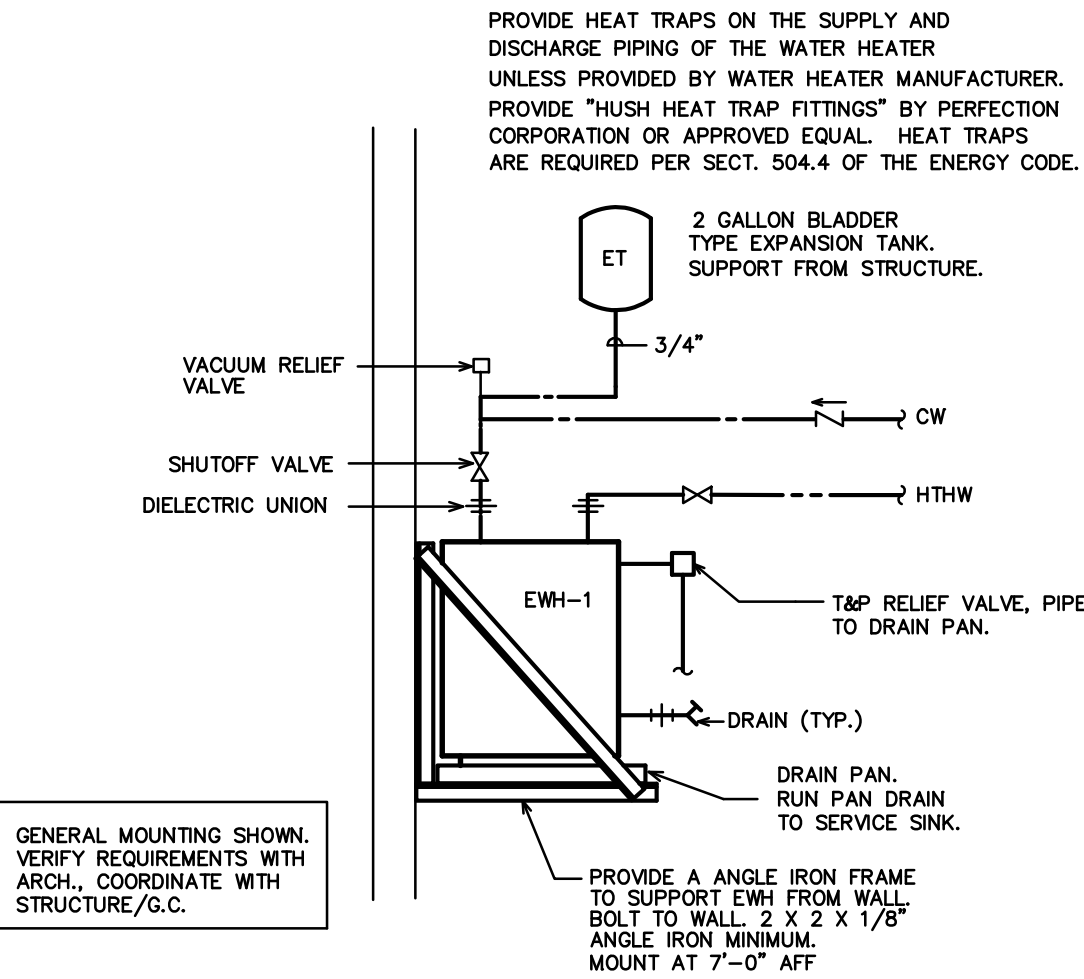
*OR APPROVED EQUAL

GENERAL NOTES – PLUMBING

1. PREPLAN ALL WORK PRIOR TO ORDERING, PURCHASING, OR FABRICATING ANY PART OF THE WORK DESCRIBED BY THIS DRAWING.
2. IMMEDIATELY NOTIFY THE ENGINEER OF ANY CONFLICTS WITH EXISTING FIELD CONDITIONS OR THE WORK OF OTHER TRADES.
3. RESOLVE ALL CONFLICTS PRIOR TO INCURRING ANY MATERIAL OR LABOR EXPENSES.
4. COMPLY WITH THE MANUFACTURER'S TECHNICAL INSTRUCTIONS WHEN INSTALLING PLUMBING FIXTURES, MATERIALS, AND DEVICES.
5. LOCATE FIXTURES AND EQUIPMENT GENERALLY AS SHOWN ON THE PLANS; HOWEVER, COORDINATE LOCATIONS WITH ACTUAL FIELD CONDITIONS TO PRESERVE ALL CODE-REQUIRED AND MANUFACTURER – REQUESTED SERVICE CLEARANCES.
6. COORDINATE ROUTING OF ALL PIPING WITH BUILDING STRUCTURE AND WITH THE WORK OF OTHER TRADES. OFFSET VENT PIPING AROUND BEAMS AND JOISTS AS NECESSARY.
7. ALL HANDICAP FIXTURES AND INSTALLATION OF HANDICAP FIXTURES SHALL CONFORM TO ADA REQUIREMENTS.
8. AT EXTERIOR WALL, INSTALL WATER PIPING ON HEATED SIDE OF WALL INSULATION.
9. PROVIDE WATER HAMMER ARRESTORS AT THE END OF EACH COLD AND HOT WATER BRANCH RISER. SIZE ARRESTOR APPROPRIATELY.
10. PROVIDE CONCRETE RING FOR ALL EXTERIOR CLEAN-OUTS.
11. REVIEW SITE PLAN FOR UTILITIES AND ORIENTATION PRIOR TO START OF WORK.
12. G.C. TO PROVIDE ROOF PENETRATIONS.
13. PROVIDE HTHW AT 140 DEGREES (F) AND LTHW AT 110 DEGREES (F).

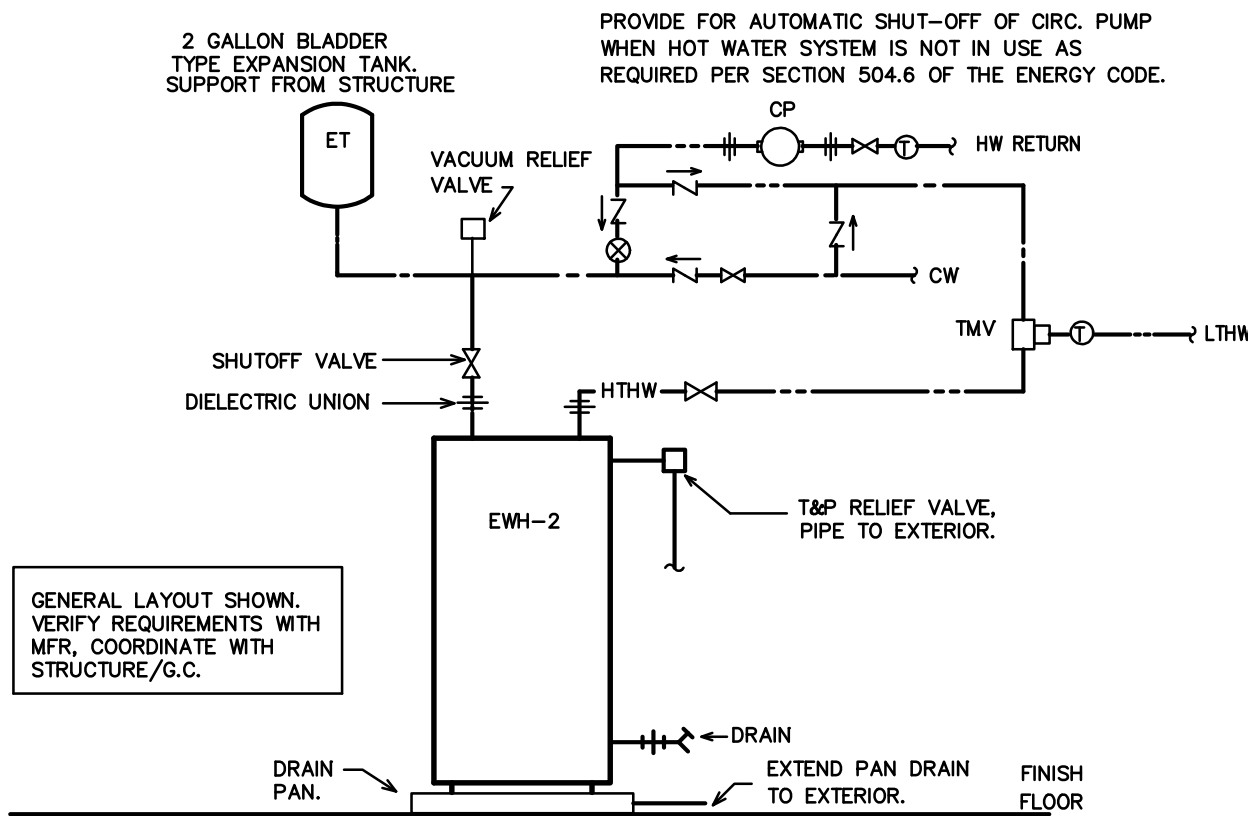
LOAD SUMMARY- PLUMBING

WASTE DEMAND (FU)	WATER DEMAND (FU)	WATER DEMAND (GPM)
294.0	523.5	143.6
A 3" CW SERVICE/BACKFLOW PREVENTER ARE EXISTING.		



NOTE: WATER HEATERS, PIPING, AND PIPING APPURTENANCES PROVIDED BY P.C. WATER HEATER SUPPORTS BY P.C.

1 EWH-1 DETAIL
SCALE: NOT TO SCALE

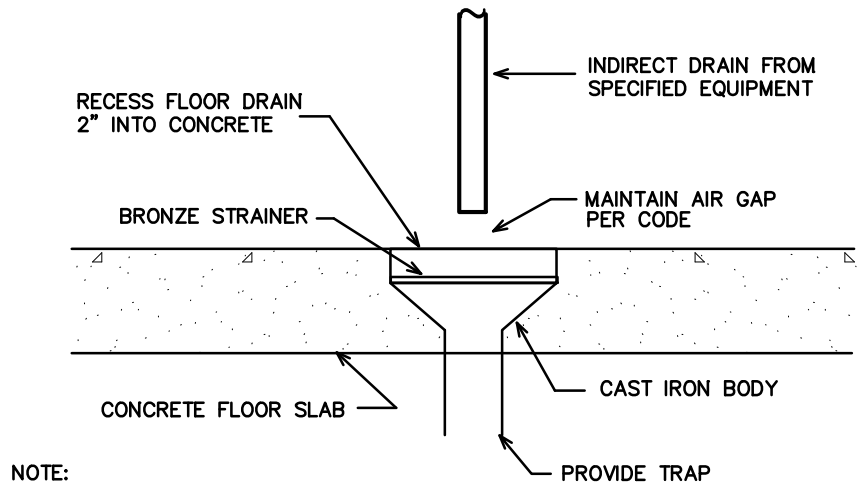


NOTE: WATER HEATERS, PIPING, AND PIPING APPURTENANCES PROVIDED BY P.C. WATER HEATER SUPPORTS BY P.C.

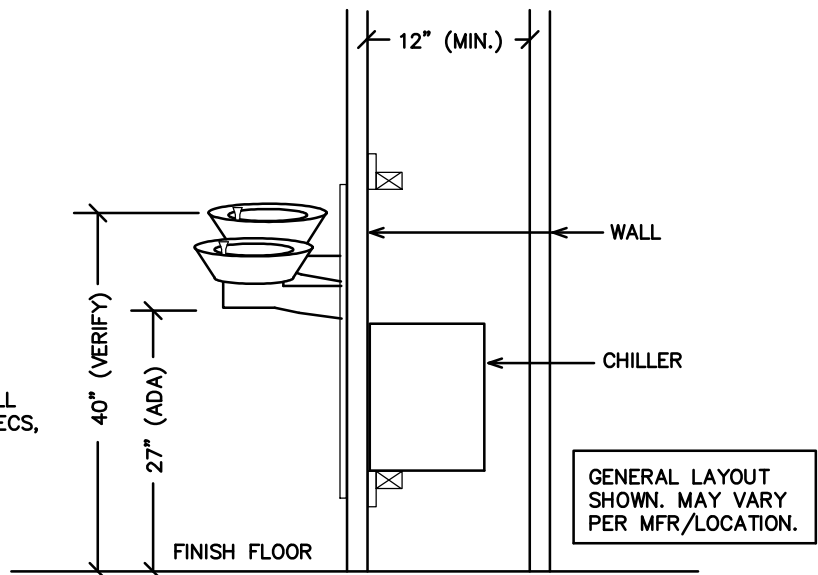
2 EWH-2 DETAIL
SCALE: NOT TO SCALE

SYMBOL LEGEND – PLUMBING

SYMBOL	DESCRIPTION
	WASTE PIPING (W)
	VENT PIPING (V)
	COLD WATER PIPING (CW)
	HOT WATER PIPING (HW)
	HOT WATER RETURN PIPING (HWR)
	HIGH TEMPERATURE HW PIPING (HTHW) 140 DEG. F
	LOW TEMPERATURE HW PIPING (LTHW) 110 DEG. F
	COFF
	WCO/HCO
	COFG
	DIELECTRIC UNION
	SHUT-OFF VALVE
	CHECK VALVE
	BALANCING VALVE
	CIRCULATION PUMP (CP)
	WATER METER (MTR)
	VENT THRU ROOF (VTR)
	FREEZE PROOF, HOSE BIBB (FPHB/RHB)
	POINT OF NEW CONNECTION TO EXISTING
	THERMOSTATIC MIXING VALVE (TMV)
	THERMOMETER/TEMPERATURE GAUGE (T)



3 FDR DETAIL
SCALE: NOT TO SCALE



NOTE: ALL MOUNTING HEIGHTS SHALL MEET THE NCSBC, ARCH. SPECS, AND/OR ADA STANDARDS. VERIFY HIGH/LOW SIDE AND MOUNTING WITH ARCH.

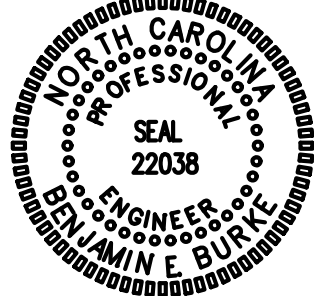
4 EWC DETAIL
SCALE: NOT TO SCALE

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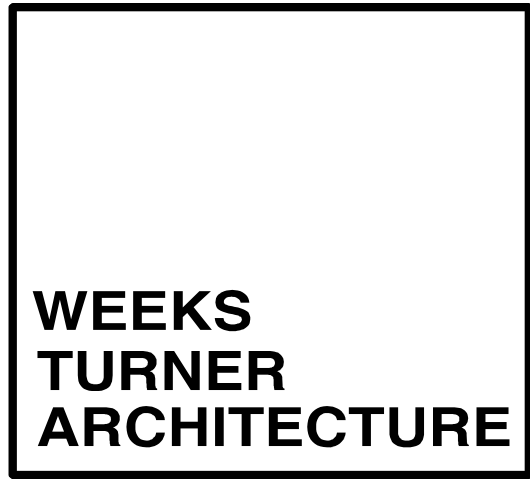
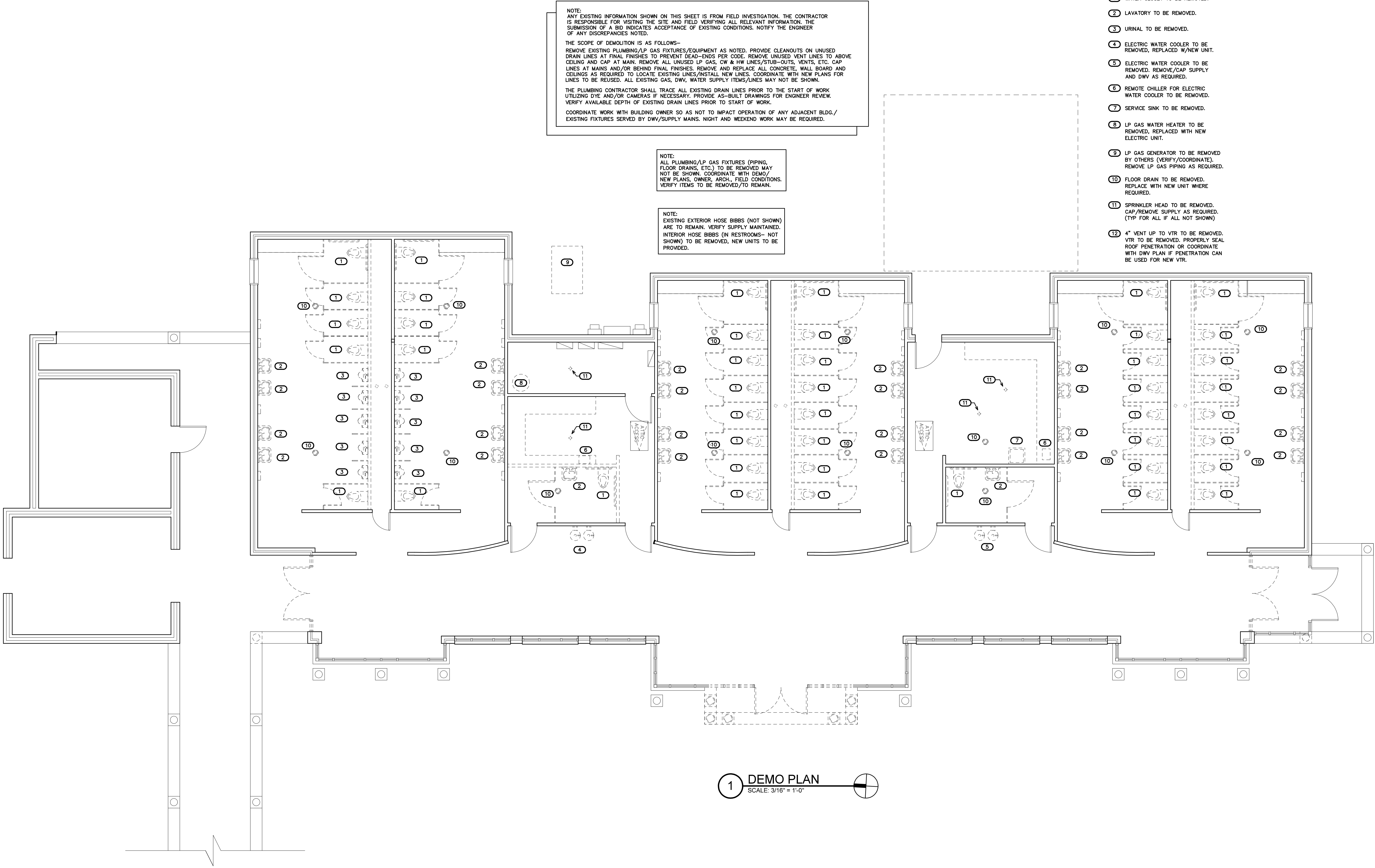
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DRAWING TITLE
PLUMBING SPECIFICATIONS

PLOT DATE 9/18/18

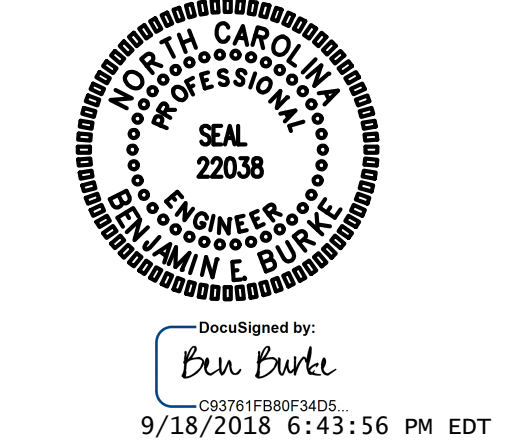
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DRAWING TITLE
DEMO PLAN



P2



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REMOVE AND REPLACE ALL CONCRETE, WALL BOARD AND CEILINGS AS REQUIRED TO LOCATE EXISTING LINES AND INSTALL NEW LINES. ALL EXISTING LINES NOT SHOWN.

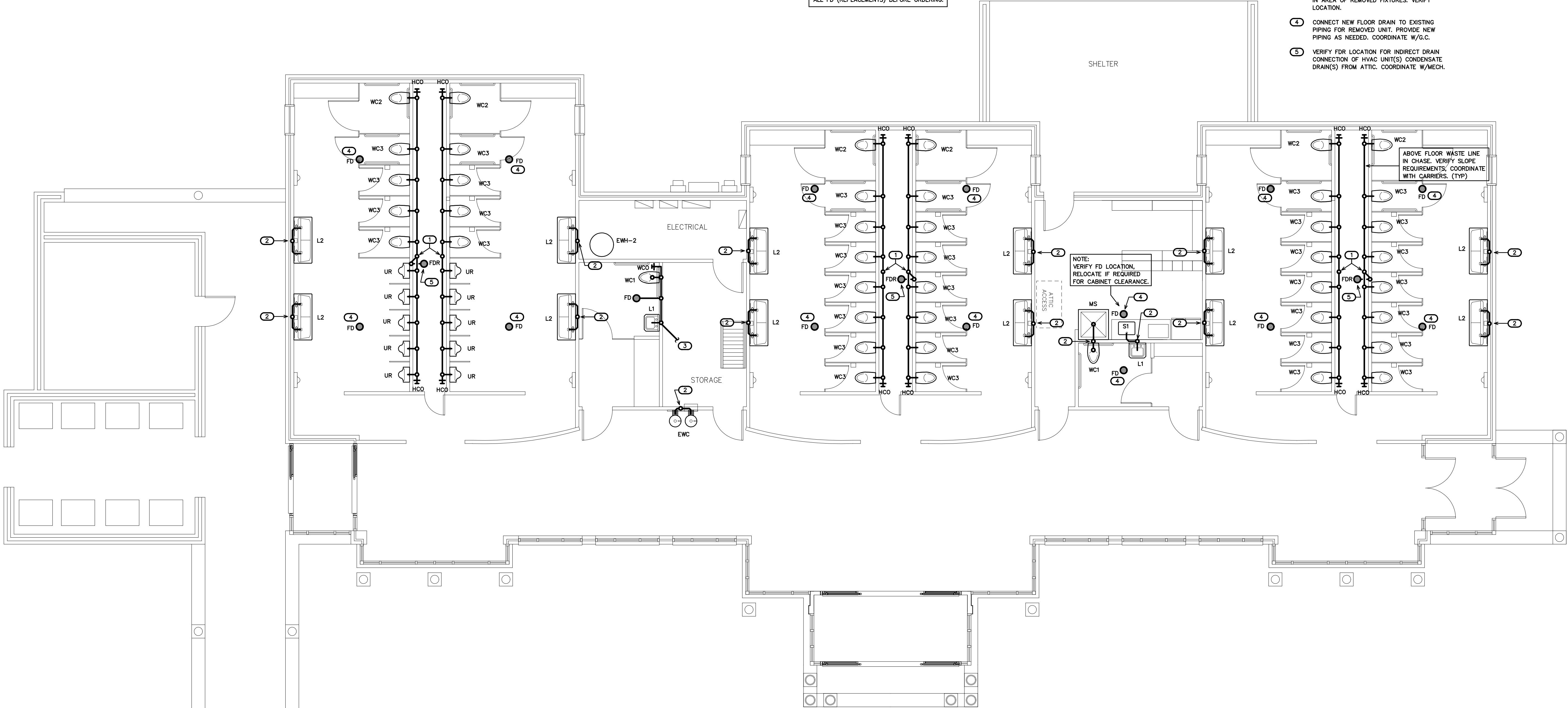
THE PLUMBING CONTRACTOR SHALL TRACE ALL EXISTING DRAIN LINES PRIOR TO THE START OF WORK UTILIZING DYE AND/OR CAMERAS IF NECESSARY. PROVIDE AS-BUILT DRAWINGS FOR ENGINEER REVIEW. VERIFY LOCATION/INVERT REQUIREMENTS OF EXISTING DRAIN LINES PRIOR TO START OF WORK.

COORDINATE WORK WITH BUILDING OWNER SO AS NOT TO IMPACT OPERATION OF ANY ADJACENT BLDG./ EXISTING FIXTURES SERVED BY DWV/SUPPLY MAINS. NIGHT AND WEEKEND WORK MAY BE REQUIRED.

NOTE:
VERIFY REQUIREMENTS OF L2 LAVATORY STATIONS. DWV MAY VARY PER MODEL. VERIFY CONNECTION SIZE REQUIRED FOR ALL FD (REPLACEMENTS) BEFORE ORDERING.

KEY NOTES FOR SHEET P3

- 1 DROP 4" W TO CONNECT TO EXISTING 6" WASTE MAIN IN AREA- VERIFY LOCATION, RISE 4" V TO CONNECT TO NEW MAIN/VTR. VERIFY ROUTING. SLOPE ABOVE-FLOOR MAINS AS REQUIRED TO DROP POINT TO BELOW FLOOR. VERIFY, COORDINATE WITH FIXTURES/CARRIERS. WC2 MAY REQUIRE SEPARATE/ALTERNATE CONNECTION TO DROP LOCATION/EXISTING MAIN.
- 2 CONNECT TO EXISTING DWV IN AREA OF REMOVED FIXTURE(S). VERIFY LOCATION, PROVIDE NEW PIPING IF REQUIRED, REMOVE/ REPLACE CONCRETE, ETC., IF REQUIRED.
- 3 CONNECT TO EXISTING 4" WASTE MAIN IN AREA OF REMOVED FIXTURES. VERIFY LOCATION.
- 4 CONNECT NEW FLOOR DRAIN TO EXISTING PIPING FOR REMOVED UNIT. PROVIDE NEW PIPING AS NEEDED. COORDINATE W/G.C.
- 5 VERIFY FDR LOCATION FOR INDIRECT DRAIN CONNECTION OF HVAC UNIT(S) CONDENSATE DRAIN(S) FROM ATTIC. COORDINATE W/MECH.



1 DWV PLAN
SCALE: 3/16" = 1'-0"

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DRAWING TITLE
DWV PLAN

P3

PLOT DATE 9/18/18

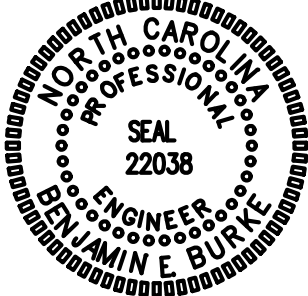
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SUPPLY PLAN

P4

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REMOVE AND REPLACE ALL CONCRETE, WALL BOARD AND CEILINGS AS REQUIRED TO LOCATE EXISTING LINES AND INSTALL NEW LINES. ALL EXISTING LINES NOT SHOWN.

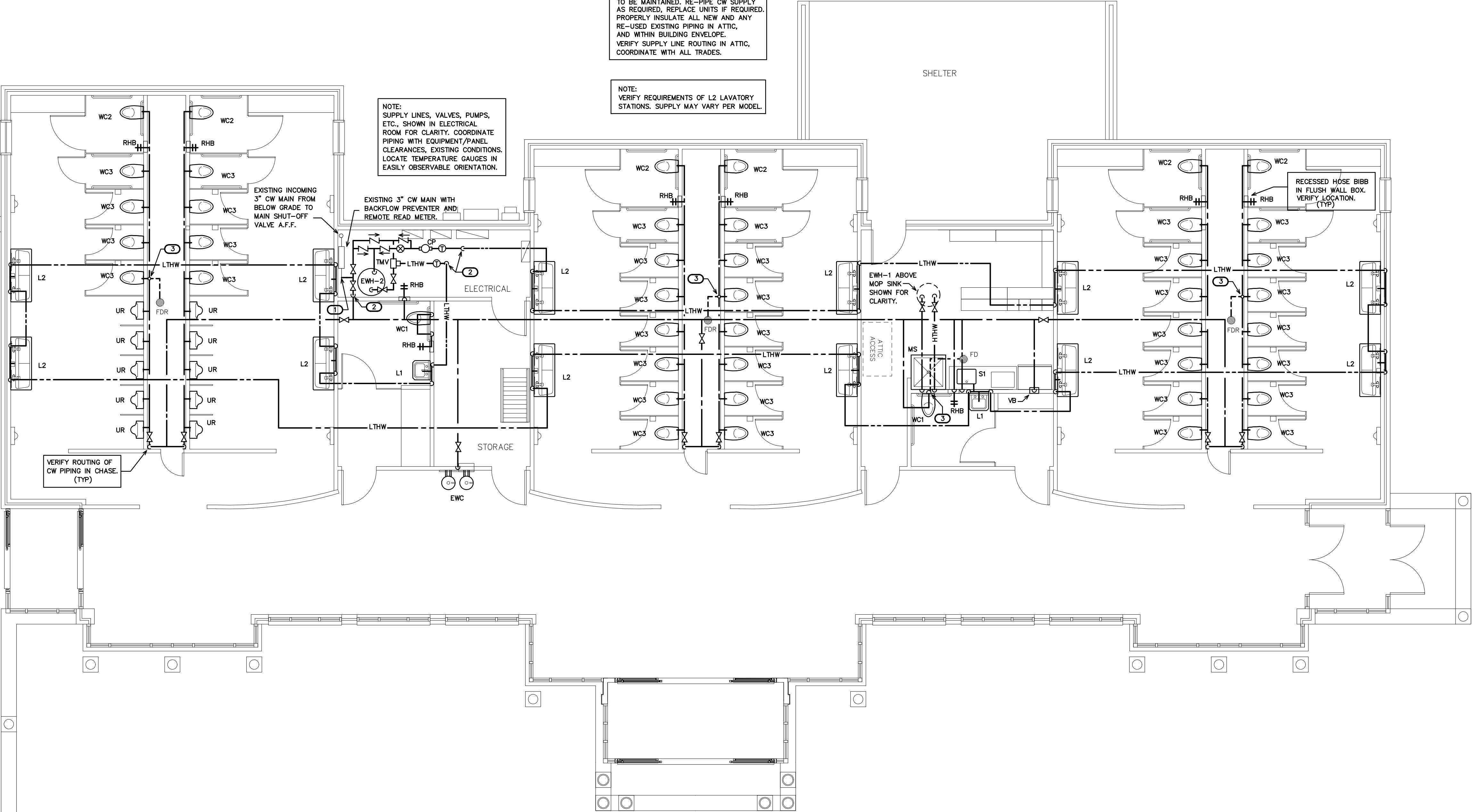
COORDINATE WORK WITH BUILDING OWNER SO AS NOT TO IMPACT OPERATION OF ANY ADJACENT BLDG./ EXISTING FIXTURES SERVED BY DWV/SUPPLY MAINS. NIGHT AND WEEKEND WORK MAY BE REQUIRED.

- KEY NOTES FOR SHEET P4
- 1 CONNECT TO EXISTING 3" CW MAIN AFTER EXISTING METER. REMOVE UNUSED PIPING AFTER NEW CONNECTION.
 - 2 RISE TO RUN SUPPLY LINE IN ATTIC. VERIFY LOCATION.
 - 3 PROVIDE TRAP PRIMER VALVE (TPV-- NOT SHOWN) IN ACCESSIBLE LOCATION. DROP/EXTEND CW BELOW FLOOR TO FLOOR DRAIN (FDR) CONNECTION.

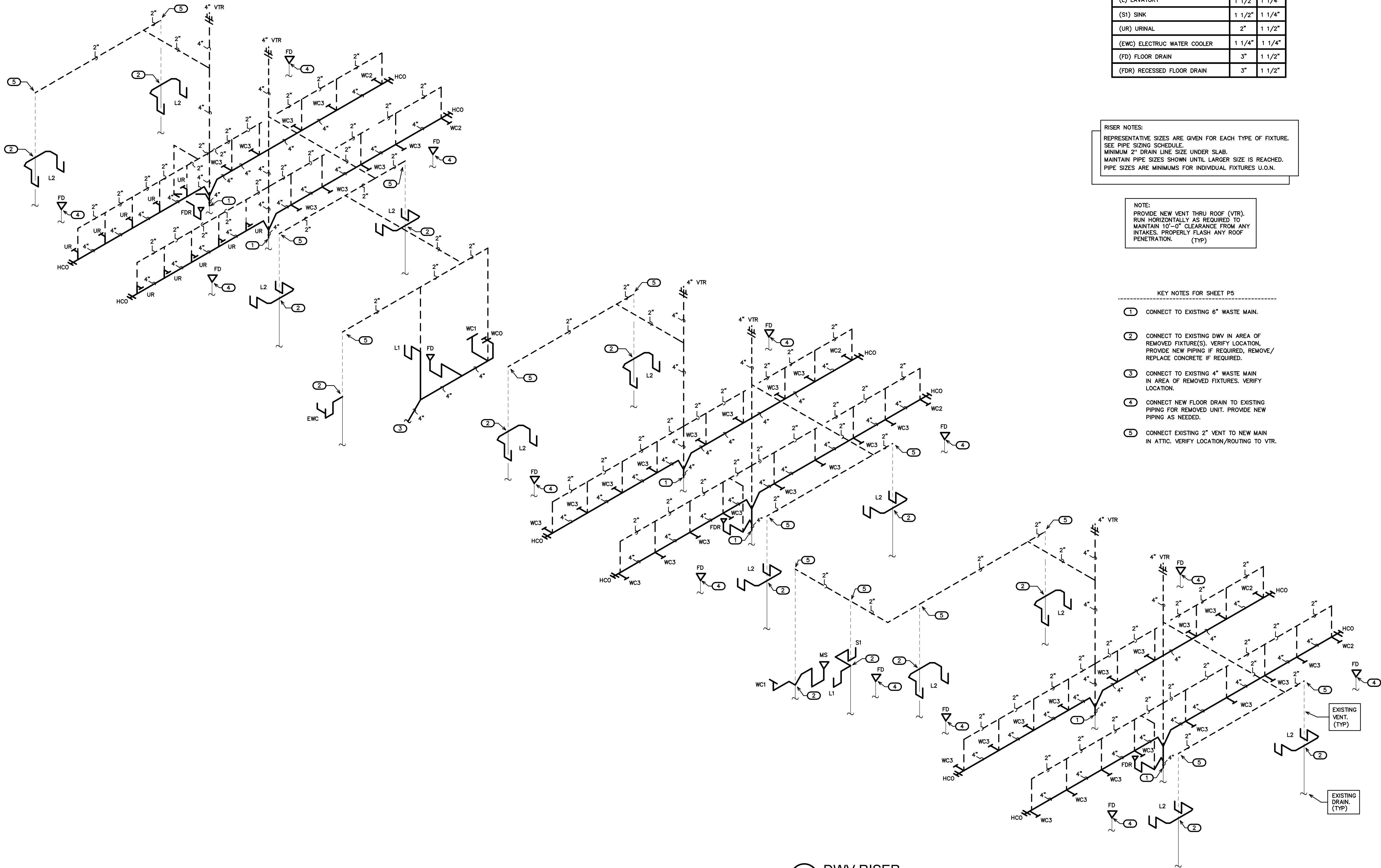
NOTE:
ALL EXISTING EXTERIOR FPHB (NOT SHOWN) TO BE MAINTAINED. RE-PIPE CW SUPPLY AS REQUIRED. REPLACE UNITS IF REQUIRED. PROPERLY INSULATE ALL NEW AND ANY RE-USED EXISTING PIPING IN ATTIC, AND WITHIN BUILDING ENVELOPE. VERIFY SUPPLY LINE ROUTING IN ATTIC, COORDINATE WITH ALL TRADES.

NOTE:
VERIFY REQUIREMENTS OF L2 LAVATORY STATIONS. SUPPLY MAY VARY PER MODEL.

NOTE:
SUPPLY LINES, VALVES, PUMPS, ETC., SHOWN IN ELECTRICAL ROOM FOR CLARITY. COORDINATE PIPING WITH EQUIPMENT/PANEL CLEARANCES, EXISTING CONDITIONS. LOCATE TEMPERATURE GAUGES IN EASILY OBSERVABLE ORIENTATION.



1 SUPPLY PLAN
SCALE: 3/16" = 1'-0"



(VERIFY ALL EQUIPMENT REQUIREMENTS PRIOR TO ROUGH-IN)

PIPE SIZING SCHEDULE		
FIXTURE TYPE	DRAIN	VENT
(WC) FLUSH VALVE WATER CLOSET	3"	1 1/2"
(MS) MOP SINK	3"	1 1/2"
(L) LAVATORY	1 1/2"	1 1/4"
(SI) SINK	1 1/2"	1 1/4"
(UR) URINAL	2"	1 1/2"
(EWC) ELECTRUC WATER COOLER	1 1/4"	1 1/4"
(FD) FLOOR DRAIN	3"	1 1/2"
(FDR) RECESSED FLOOR DRAIN	3"	1 1/2"

RISER NOTES:
REPRESENTATIVE SIZES ARE GIVEN FOR EACH TYPE OF FIXTURE.
SEE PIPE SIZING SCHEDULE.
MINIMUM 2" DRAIN LINE SIZE UNDER SLAB.
MAINTAIN PIPE SIZES SHOWN UNTIL LARGER SIZE IS REACHED.
PIPE SIZES ARE MINIMUMS FOR INDIVIDUAL FIXTURES U.O.N.

NOTE:
PROVIDE NEW VENT THRU ROOF (VTR).
RUN HORIZONTALLY AS REQUIRED TO
MAINTAIN 10'-0" CLEARANCE FROM ANY
INTAKES. PROPERLY FLASH ANY ROOF
PENETRATION. (TYP)

KEY NOTES FOR SHEET P5

- CONNECT TO EXISTING 6" WASTE MAIN.
- CONNECT TO EXISTING DWV IN AREA OF REMOVED FIXTURE(S). VERIFY LOCATION, PROVIDE NEW PIPING IF REQUIRED, REMOVE/ REPLACE CONCRETE IF REQUIRED.
- CONNECT TO EXISTING 4" WASTE MAIN IN AREA OF REMOVED FIXTURES. VERIFY LOCATION.
- CONNECT NEW FLOOR DRAIN TO EXISTING PIPING FOR REMOVED UNIT. PROVIDE NEW PIPING AS NEEDED.
- CONNECT EXISTING 2" VENT TO NEW MAIN IN ATTIC. VERIFY LOCATION/ROUTING TO VTR.

1 DWV RISER
SCALE: NOT TO SCALE

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SCO ID# 18-19070-01A

PROJECT TITLE
NORTHAMPTON CTY.
REST AREA- RENOV.
I-95 NEAR VA STATE LINE
PLEASEANT HILL, NORTH CAROLINA

PROJECT NO.
1704a

DRAWING TITLE
DWV RISER

P5

PLOT DATE 9/18/18

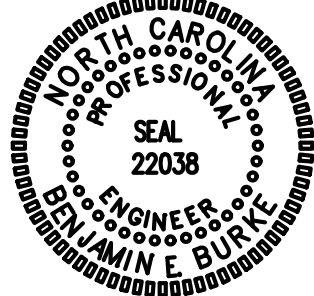
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PROJECT NO.
1704a

DRAWING TITLE
SUPPLY RISER

P6

PLOT DATE 9/18/18

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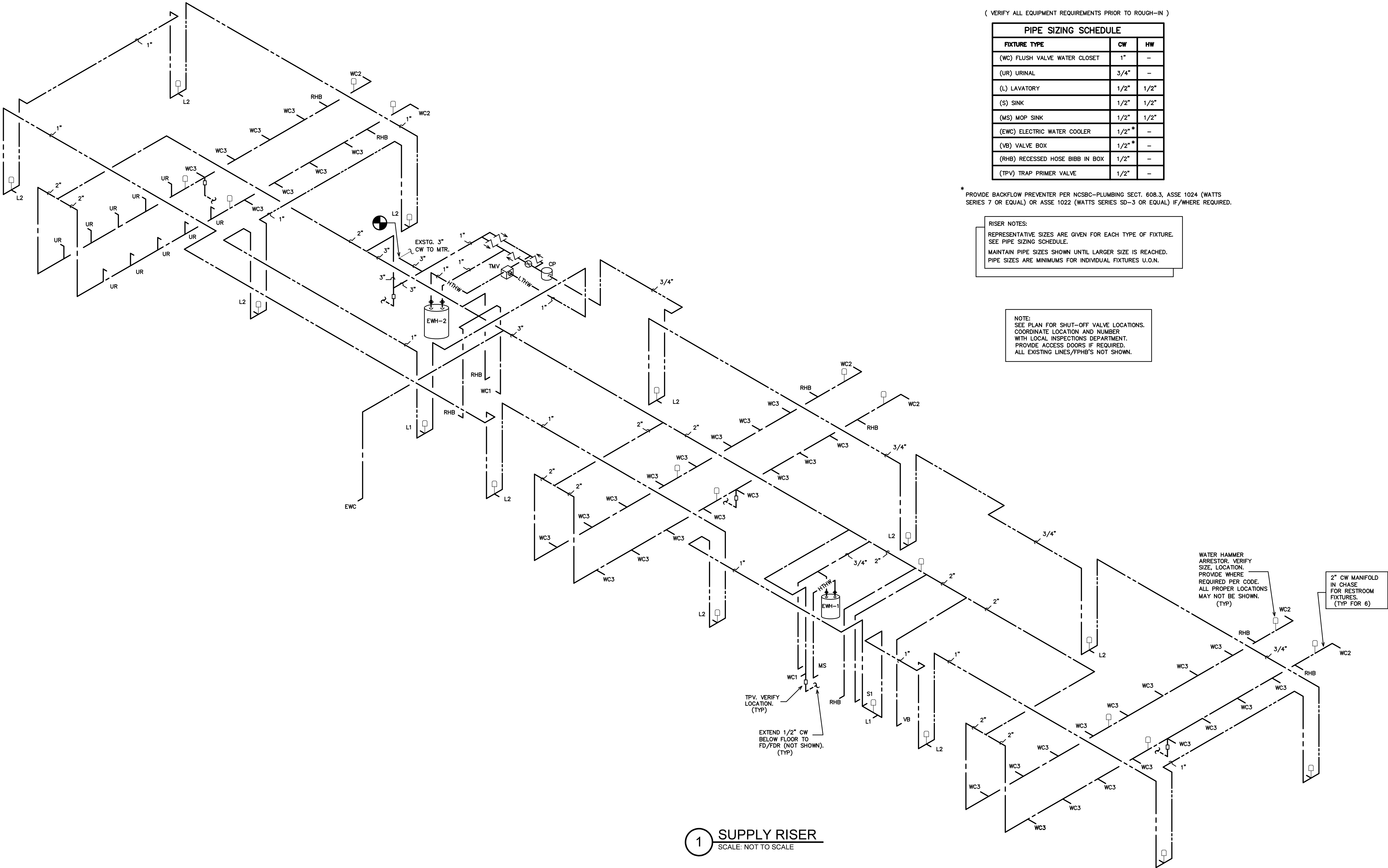
(VERIFY ALL EQUIPMENT REQUIREMENTS PRIOR TO ROUGH-IN)

PIPE SIZING SCHEDULE		
FIXTURE TYPE	CW	HW
(WC) FLUSH VALVE WATER CLOSET	1"	-
(UR) URINAL	3/4"	-
(L) LAVATORY	1/2"	1/2"
(S) SINK	1/2"	1/2"
(MS) MOP SINK	1/2"	1/2"
(EWC) ELECTRIC WATER COOLER	1/2"	-
(VB) VALVE BOX	1/2"	-
(RHB) RECESSED HOSE BIBB IN BOX	1/2"	-
(TPV) TRAP PRIMER VALVE	1/2"	-

* PROVIDE BACKFLOW PREVENTER PER NCSBC-PLUMBING SECT. 608.3, ASSE 1024 (WATTS SERIES 7 OR EQUAL) OR ASSE 1022 (WATTS SERIES SD-3 OR EQUAL) IF/WHERE REQUIRED.

RISER NOTES:
REPRESENTATIVE SIZES ARE GIVEN FOR EACH TYPE OF FIXTURE.
SEE PIPE SIZING SCHEDULE.
MAINTAIN PIPE SIZES SHOWN UNTIL LARGER SIZE IS REACHED.
PIPE SIZES ARE MINIMUMS FOR INDIVIDUAL FIXTURES U.O.N.

NOTE:
SEE PLAN FOR SHUT-OFF VALVE LOCATIONS.
COORDINATE LOCATION AND NUMBER
WITH LOCAL INSPECTIONS DEPARTMENT.
PROVIDE ACCESS DOORS IF REQUIRED.
ALL EXISTING LINES/FPHB'S NOT SHOWN.



1 SUPPLY RISER
SCALE: NOT TO SCALE

HVAC EQUIPMENT SCHEDULE	
HVAC SYSTEM #1A	
AHU #1A DIRECT EXPANSION FAN COIL UNIT	* CARRIER MODEL #FX4DNF043, 4 WAY, MULTIPOISE FAN COIL UNIT, 5 KW HEATER, NOMINAL CAPACITY = 42,000 BTUH, 1350 CFM NOMINAL, PROVIDE HARD SHUT-OFF TXV VALVE, 3.5 TON NOMINAL, PROVIDE PROGRAMMABLE THERMOSTAT WITH REMOTE SENSOR AND FILTER RACK WITH HINGED DOOR, PROVIDE (1) THERMOSTAT FOR AHU-1A & AHU-1B TO CONTROL BOTH SYSTEMS, 1/2HP, 4.1A MOTOR FLA, 20A HEAT FLA, 240V, 1 PH, 33.5A MCA, 35A MOCP AHU & HEAT.
HP #1A OUTDOOR HEAT PUMP UNIT	* CARRIER MODEL #25HCC542A0030, 3.5 TON OUTDOOR HEAT PUMP UNIT, 15 SEER, PROVIDE CYCLE PROTECTOR, LOW PRESSURE SWITCH, CRANKCASE HEATER, 240 VOLT, 1 PHASE, COMP 21.1A RLA, FAN 1.2A FLA, OUTDOOR HEAT PUMP 27.6A MCA, 40A MOCP.
HVAC SYSTEM #1B	
AHU #1B DIRECT EXPANSION FAN COIL UNIT	* CARRIER MODEL #FX4DNF043, 4 WAY, MULTIPOISE FAN COIL UNIT, 5 KW HEATER, NOMINAL CAPACITY = 42,000 BTUH, 1350 CFM NOMINAL, PROVIDE HARD SHUT-OFF TXV VALVE, 3.5 TON NOMINAL, PROVIDE PROGRAMMABLE THERMOSTAT WITH REMOTE SENSOR AND FILTER RACK WITH HINGED DOOR, PROVIDE (1) THERMOSTAT FOR AHU-2A & AHU-2B TO CONTROL BOTH SYSTEMS, 1/2HP, 4.1A MOTOR FLA, 20A HEAT FLA, 240V, 1 PH, 33.5A MCA, 35A MOCP AHU & HEAT.
HP #1B OUTDOOR HEAT PUMP UNIT	* CARRIER MODEL #25HCC542A0030, 3.5 TON OUTDOOR HEAT PUMP UNIT, 15 SEER, PROVIDE CYCLE PROTECTOR, LOW PRESSURE SWITCH, CRANKCASE HEATER, 240 VOLT, 1 PHASE, COMP 21.1A RLA, FAN 1.2A FLA, OUTDOOR HEAT PUMP 27.6A MCA, 40A MOCP.
HVAC SYSTEM #2A	
AHU #2A DIRECT EXPANSION FAN COIL UNIT	* CARRIER MODEL #FX4DNF043, 4 WAY, MULTIPOISE FAN COIL UNIT, 5 KW HEATER, NOMINAL CAPACITY = 42,000 BTUH, 1350 CFM NOMINAL, PROVIDE HARD SHUT-OFF TXV VALVE, 3.5 TON NOMINAL, PROVIDE PROGRAMMABLE THERMOSTAT WITH REMOTE SENSOR AND FILTER RACK WITH HINGED DOOR, PROVIDE (1) THERMOSTAT FOR AHU-2A & AHU-2B TO CONTROL BOTH SYSTEMS, 1/2HP, 4.1A MOTOR FLA, 20A HEAT FLA, 240V, 1 PH, 33.5A MCA, 35A MOCP AHU & HEAT.
HP #2A OUTDOOR HEAT PUMP UNIT	* CARRIER MODEL #25HCC542A0030, 3.5 TON OUTDOOR HEAT PUMP UNIT, 15 SEER, PROVIDE CYCLE PROTECTOR, LOW PRESSURE SWITCH, CRANKCASE HEATER, 240 VOLT, 1 PHASE, COMP 21.1A RLA, FAN 1.2A FLA, OUTDOOR HEAT PUMP 27.6A MCA, 40A MOCP.
HVAC SYSTEM #2B	
AHU #2B DIRECT EXPANSION FAN COIL UNIT	* CARRIER MODEL #FX4DNF043, 4 WAY, MULTIPOISE FAN COIL UNIT, 5 KW HEATER, NOMINAL CAPACITY = 42,000 BTUH, 1350 CFM NOMINAL, PROVIDE HARD SHUT-OFF TXV VALVE, 3.5 TON NOMINAL, PROVIDE PROGRAMMABLE THERMOSTAT WITH REMOTE SENSOR AND FILTER RACK WITH HINGED DOOR, PROVIDE (1) THERMOSTAT FOR AHU-3A & AHU-3B TO CONTROL BOTH SYSTEMS, 1/2HP, 4.1A MOTOR FLA, 20A HEAT FLA, 240V, 1 PH, 33.5A MCA, 35A MOCP AHU & HEAT.
HP #2B OUTDOOR HEAT PUMP UNIT	* CARRIER MODEL #25HCC542A0030, 3.5 TON OUTDOOR HEAT PUMP UNIT, 15 SEER, PROVIDE CYCLE PROTECTOR, LOW PRESSURE SWITCH, CRANKCASE HEATER, 240 VOLT, 1 PHASE, COMP 21.1A RLA, FAN 1.2A FLA, OUTDOOR HEAT PUMP 27.6A MCA, 40A MOCP.
HVAC SYSTEM #3A	
AHU #3A DIRECT EXPANSION FAN COIL UNIT	* CARRIER MODEL #FX4DNF043, 4 WAY, MULTIPOISE FAN COIL UNIT, 5 KW HEATER, NOMINAL CAPACITY = 1350 BTUH, 1400 CFM NOMINAL, PROVIDE HARD SHUT-OFF TXV VALVE, 3.5 TON NOMINAL, PROVIDE PROGRAMMABLE THERMOSTAT WITH REMOTE SENSOR AND FILTER RACK WITH HINGED DOOR, PROVIDE (1) THERMOSTAT FOR AHU-3A & AHU-3B TO CONTROL BOTH SYSTEMS, 1/2HP, 4.1A MOTOR FLA, 20A HEAT FLA, 240V, 1 PH, 33.5A MCA, 35A MOCP AHU & HEAT.
HP #3A OUTDOOR HEAT PUMP UNIT	* CARRIER MODEL #25HCC542A0030, 3.5 TON OUTDOOR HEAT PUMP UNIT, 15 SEER, PROVIDE CYCLE PROTECTOR, LOW PRESSURE SWITCH, CRANKCASE HEATER, 240 VOLT, 1 PHASE, COMP 21.1A RLA, FAN 1.2A FLA, OUTDOOR HEAT PUMP 27.6A MCA, 40A MOCP.
HVAC SYSTEM #3B	
AHU #3B DIRECT EXPANSION FAN COIL UNIT	* CARRIER MODEL #FX4DNF043, 4 WAY, MULTIPOISE FAN COIL UNIT, 5 KW HEATER, NOMINAL CAPACITY = 42,000 BTUH, 1350 CFM NOMINAL, PROVIDE HARD SHUT-OFF TXV VALVE, 3.5 TON NOMINAL, PROVIDE FILTER RACK WITH HINGED DOOR, 1/2HP, 4.1A MOTOR FLA, 20A HEAT FLA, 240V, 1 PH, 33.5A MCA, 35A MOCP AHU & HEAT.
HP #3B OUTDOOR HEAT PUMP UNIT	* CARRIER MODEL #25HCC542A0030, 3.5 TON OUTDOOR HEAT PUMP UNIT, 15 SEER, PROVIDE CYCLE PROTECTOR, LOW PRESSURE SWITCH, CRANKCASE HEATER, 240 VOLT, 1 PHASE, COMP 21.1A RLA, FAN 1.2A FLA, OUTDOOR HEAT PUMP 27.6A MCA, 40A MOCP.

* OR APPROVED EQUAL.

- NOTE: 1. AHU HEATER KW RATINGS ARE AT 240 VOLTS.
2. PROVIDE OUTDOOR TSTAT TO PREVENT ELECTRIC HEAT OPERATION WHEN HEAT PUMP CAN MEET THE HEATING LOAD
3. ERV UNITS SHALL RUN AT ALL TIMES WHEN AHU FANS ARE RUNNING. AHU FANS SHALL RUN CONTINUOUSLY.

AHU CONTROL NOTE:

FOR EACH SYSTEM PROVIDE "SIMPLE ENGINEERED SOLUTIONS" MODEL #HPDM--XX HEAT PUMP DEHUMIDIFICATION CONTROL MODULE. PROVIDE PROGRAMMABLE ELECTRONIC THERMOSTAT WITH AUTO CHANGEOVER AND HUMIDISTAT FUNCTION. THERMOSTAT SHALL BE COMPATIBLE WITH DEHUMIDIFICATION CONTROL MODULE. PURPOSE OF DEHUMIDIFICATION CONTROL MODULE IS TO INITIATE COOLING MODE WHEN HUMIDISTAT SENSES HUMIDITY OVER SETPOINT AND ENERGIZE AND CONTROL ELECTRIC HEAT TO MAINTAIN SPACE TEMPERATURE.

ENERGY RECOVERY UNIT SCHEDULE															
									THERMAL PERFORMANCE						
		FANS / MOTORS							ENERGY RECOVERY (THERMAL) CAPACITY		INLET / OUTLET CONDITIONS				
EQUIP. NUMBER	MODEL NO.	FLOW	STATIC PRESSURE (EXTERNAL)	FAN MOTORS	FLA (EACH MOTOR)	VOLTS/ PHASE/ HZ	MCA (SINGLE POINT)	MOCP (SINGLE POINT)	COOLING CAPACITY (MBH / TON)	HEATING CAPACITY (MBH)	OUTSIDE AIR TEMP(F) & HUMIDITY (DB) / (WB)		ROOM AIR TEMP (F) & HUMIDITY (DB) / (WB OR RH)		NOTES:
									TOTAL	TOTAL	SUMMER	WINTER	SUMMER	WINTER	
ERV-1, 2, & 3	RENEWAIRE HE-2XJNH-D1SUU---DANT-----L	1600 CFM	0.5 IN H ₂ O	(2) 1.5 HP	11.41 A	230V 1 PH 60 HZ	18.5 A	25 A	32.79/2.73	76.78	94F / 73F	18F	75F / 50%	72F / 50%	ALL

NOTES:

- FLOW & LOADS BASED ON ARI-1060 PERFORMANCE & CERTIFIED CORE.
- SHUT DOWN ALL FANS ON DUCT SMOKE DETECTOR ALARM CONDITION.
- VENTILATION TYPE: CORE TYPE HEAT EXCHANGER, HEAT & HUMIDITY TRANSFER.
- INCLUDE INTEGRAL DISPOSABLE FILTERS (OUTSIDE AND ROOM AIR) WITH MERV8 OR BETTER RATING.
- INCLUDE SINGLE POINT ELECTRICAL POWER CONNECTION.
- HOUSING SHALL BE GALVANIZED, .20 GAUGE (OR THICKER) STEEL WITH LAPPED CORNERS.
- OR APPROVED EQUALS.
- SERVICE ACCESS DOORS SHALL BE GASKETED & PROVIDE ACCESS FOR MAINTENANCE OF ALL COMPONENTS.
- INCLUDE INSULATION ON ALL CASE WALLS & DOORS.
- INCLUDE THERMALLY PROTECTED MOTORS WITH STARTERS.
- UL LISTED 1995
- PROVIDE WITH FUSED DISCONNECT SWITCH.
- ERV UNITS SHALL RUN AT ALL TIMES WHEN AHU FANS ARE RUNNING.

GENERAL NOTES – MECHANICAL

- ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE STATE CODE AND ALL LOCAL AND OTHER APPLICABLE CODES.
- ANY PERMITS AND INSPECTION FEES SHALL BE SECURED AND PAID FOR BY THE MECHANICAL CONTRACTOR (MC).
- ALL WORK SHALL BE PERFORMED BY EXPERIENCED AND SKILLED CRAFTSMEN. THE MC SHALL COORDINATE ALL OF HIS WORK WITH THE GENERAL CONTRACTOR (GC) AND OTHER TRADES.
- THE LOCATION OF ALL DUCT, PIPING AND EQUIPMENT SHALL BE ADJUSTED TO ACCOMMODATE ANTICIPATED OR ENCOUNTERED INTERFERENCES.
- THESE PLANS ARE DIAGRAMMATIC AND MAY NOT SHOW MINOR DETAILS AND LOCATIONS. FOR DIMENSIONS REFER TO THE ARCHITECTURAL PLANS.
- THE MC SHALL BE RESPONSIBLE FOR ALL ELECTRICAL STARTERS INTERLOCKS, CONTROL WIRING CONDUIT AND POWER WIRING FROM DISCONNECTS TO HIS EQUIPMENT, USING A LICENSED ELECTRICIAN.
- THE MC SHALL USE FIRE DAMPERS FOR PROTECTION OF THE OPENING IN ACCORDANCE WITH STATE AND LOCAL CODES IN ALL LOCATIONS WHERE PENETRATIONS OF RATED WALLS AND FLOORS OCCUR. SEE ARCHITECTURAL PLANS FOR RATED WALL AND FLOOR LOCATIONS. PROVIDE ACCESS DOORS AT ALL DAMPER LOCATIONS. LOCATE DOORS FOR EASY ACCESS. THERE ARE NO RATED WALLS PENETRATED IN THIS HVAC UPFIT.
- INSTALL FLEXIBLE CONNECTORS ON SUPPLY AND RETURN DUCTWORK AHU. ALL MECHANICAL EQUIPMENT SHALL OPERATE FREE OF OBJECTIONAL NOISE AND VIBRATION.
- INSTALL TURNING VANES IN SUPPLY DUCTS AT ALL ELBOWS AND SPLITTER DAMPERS. PROVIDE BALANCING DAMPERS IN ALL DUCTS WHERE SHOWN OR REQUIRED FOR SYSTEM BALANCING. PROVIDE SPIN IN STARTING COLLARS WITH DAMPERS AT ALL SUPPLY TAKEOFFS.
- DUCT DIMENSIONS ARE SHOWN INSIDE CLEAR. COORDINATE EXACT SIZE WITH SPACE AVAILABLE DUCT INSULATION SHALL BE 2" FIBERGLASS EXTERIOR DUCT INSULATION WITH FOIL FACING.
- THERMOSTAT, WIRING AND CONDUIT ARE TO BE FURNISHED BY THE MC. MOUNT THERMOSTAT 48" ABOVE THE FINISHED FLOOR. COORDINATE LOCATION WITH OWNER. PROVIDE AUTO CHANGEOVER THERMOSTAT WITH UNIT OFF POSITION AS MINIMUM. PROVIDE AN EMERGENCY SHUT-OFF SWITCH ABOVE THE THERMOSTAT, PROPERLY LABEL SHUT-OFF SWITCH.
- THE MC SHALL KEEP THE PREMISES CLEAR OF DEBRIS FROM HIS WORK DURING CONSTRUCTION AND LEAVE THE AREA AND BUILDING CLEAN AT THE COMPLETION OF HIS WORK. HE SHALL ALSO LEAVE CLEAN ALL EXPOSED EQUIPMENT IN HIS CONTRACT.
- COORDINATE DIFFUSER AND CEILING EXHAUST GRILLE LOCATIONS WITH LIGHTS AND GRID. COORDINATE MOUNTING FRAME WITH CEILING TYPE.
- THE M.C. SHALL COORDINATE WITH AND PROVIDE EQUIPMENT SPEC. SHEETS TO THE GENERAL AND ELECTRICAL CONTRACTORS FOR REVIEW PRIOR TO ORDERING EQUIPMENT.
- PROPERLY SUPPORT FLEXIBLE DUCT, MINIMUM 75% DEFORMATION. PROVIDE SHEET METAL ELBOWS AT ALL 90 DEGREE BENDS.
- ALL DUCT JOINTS SHALL BE SEALED AIRTIGHT WITH FIBER ENPREGNATED MASTIC OR HARDCAST AND TAPE.
- SUPPORT AHU, EXHAUST FANS, HEAT WHEEL AND ALL DUCTWORK, ETC. FROM STRUCTURE. PIPE STRAPPING WILL NOT BE ALLOWED.

OUTDOOR AIR CALCULATIONS	
OUTDOOR VENTILATION AIR PROVIDED PER TABLE 403.3, 2012 NORTH CAROLINA STATE BUILDING CODE: MECHANICAL CODE.	
APPLICATION	CFM/FLUSHING FIXTURE
GANG TOILET ROOMS	70 CFM EACH
54 FLUSHING FIXTURES X 70 CFM = 3780 CFM 4800 CFM EXHAUST PROVIDED BY (3) ERVS	
APPLICATION	CFM/SQ.FT.
CORRIDORS	0.06 CFM/SQ.FT.
1495 SQ. FT. X 0.06 CFM/SQ.FT. = 90 CFM	
APPLICATION	CFM/SQ.FT.
STORAGE	0.06 CFM/SQ.FT.
289 SQ. FT. X 0.12 CFM/SQ.FT. = 35 CFM	
TOTAL OUTSIDE AIR REQUIRED = 3905 CFM TOTAL OUTSIDE PROVIDED = 4800 CFM AHU #1A + AHU #1B = 1800 CFM PROVIDED FROM ERV AHU #2A + AHU #2B = 1800 CFM PROVIDED FROM ERV AHU #3A + AHU #3B = 1800 CFM PROVIDED FROM ERV	

LEGEND – MECHANICAL

	RECTANGULAR GALVANIZED STEEL DUCTWORK
	RIGID ROUND GALVANIZED STEEL DUCTWORK
	FLEXIBLE DUCTWORK
	SUPPLY DIFFUSER
	RETURN GRILLE
	EXHAUST GRILLE
	THERMOSTAT/HUMIDISTAT WITH CLEAR PLASTIC, LOCKING, VANDAL PROOF COVER
	REMOTE DUCT MOUNTED TEMPERATURE SENSOR
	REMOTE DUCT MOUNTED HUMIDITY SENSOR
	GRILLE TYPE MIN. CFM
	CONDENSATE DRAIN PIPING
	REFRIGERANT PIPING
	DUCT TYPE SMOKE DETECTOR
	REMOTE ALARM INDICATING DEVICE "RAID" FOR DUCT MOUNTED SMOKE DETECTOR

MECHANICAL SYSTEMS AND EQUIPMENT

METHOD OF COMPLIANCE:	
Prescriptive	<input checked="" type="checkbox"/>
Energy Cost Budget	<input type="checkbox"/>
Thermal Zone	4A
Exterior Design Conditions	winter dry bulb 16 F summer dry bulb 93 F
Interior Design Conditions	winter dry bulb 72 F summer dry bulb 75 F relative humidity 50%
Building Heating Load	324,800 BTU/hr -230,334 BTU/hr (energy recovery unit reduction) 94,466 BTU/hr
Building Cooling Load	240,500 BTU/hr -98,373 BTU/hr (energy recovery unit reduction) 142,127 BTU/hr

Mechanical Spacing Conditioning System

- Unitary – The building is served by (6) 3.5 ton split system heat pumps with (3) 1600 cfm energyy recovery ventilators.

- Boiler – Not applicable to this project.
Chiller – Not applicable to this project.

Equipment efficiencies

Efficiencies and outputs are listed on equipment schedules – See drawings.

Equipment schedules with motors.

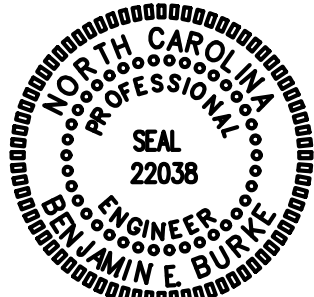
Motors used on this project are included in the efficiency rating of the unit. See drawings for efficiencies.

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DRAWING TITLE
HVAC SCHEDULES, NOTES

M1

PLOT DATE 9/18/18

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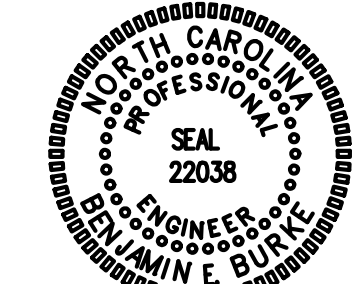
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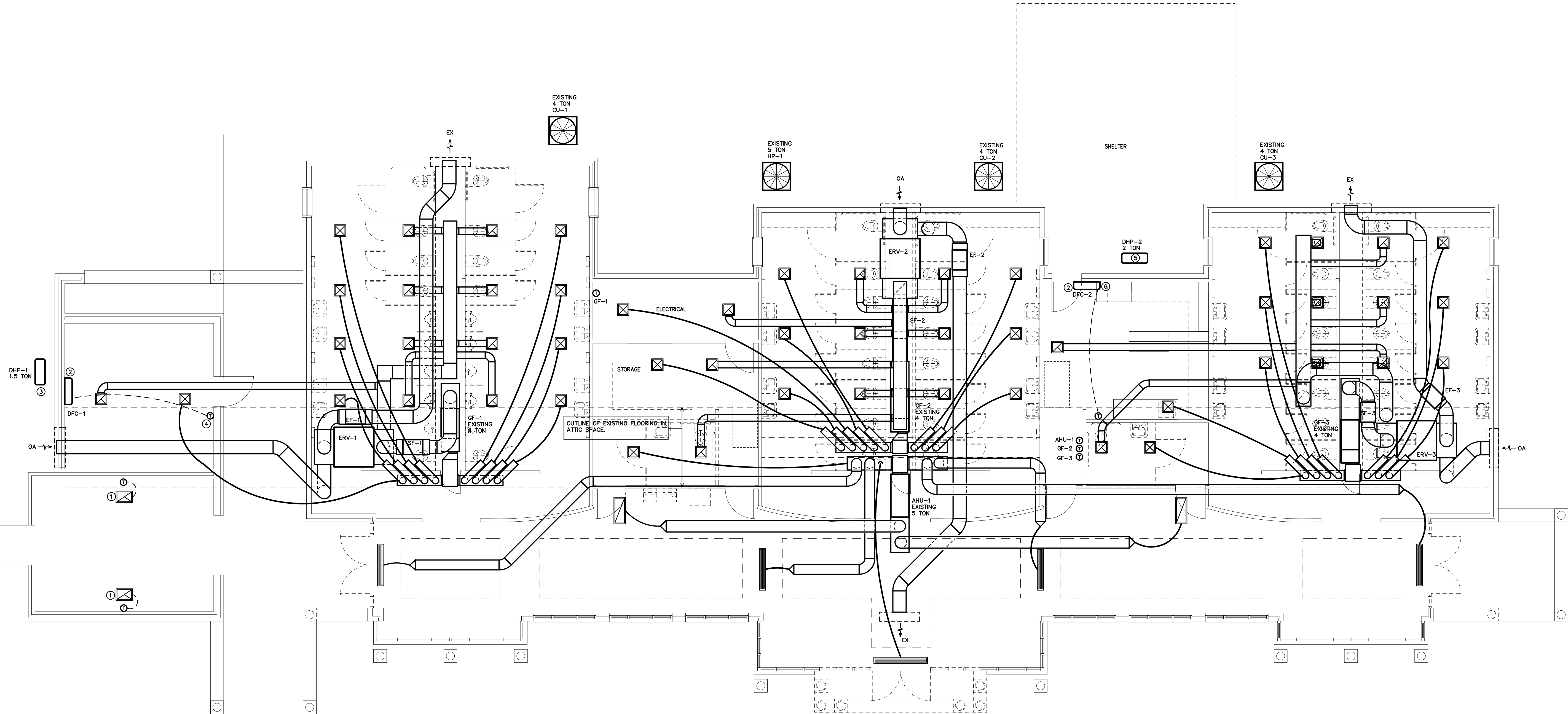
DRAWING TITLE
HVAC DEMO PLAN

M2

PLOT DATE 9/18/18

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1 HVAC DEMO PLAN
SCALE: 3/16" = 1'-0"

DEMOLITION SCOPE:

REMOVE ALL EXISTING GAS FURNACES, OUTDOOR HEAT PUMP UNITS, AIR HANDLING UNIT, OUTDOOR HEAT PUMP UNIT, AND ERV HEAT EXCHANGERS. REMOVE ALL EXISTING PIPING, SUPPLY, RETURN AND EXHAUST DUCTWORK, AND ALL SUPPLY RETURN AND EXHAUST AIR DISTRIBUTION DEVICES. THE INTENT IS TO COMPLETELY REMOVE ALL EXISTING HVAC SYSTEMS IN THE BUILDING EXCEPT AS NOTED ON THE DRAWINGS.

NOTE:

THE EXISTING INFORMATION SHOWN ON THIS DRAWING IS FROM FIELD INVESTIGATION AND ORIGINAL CONSTRUCTION DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR VISITING THE SITE AND FIELD VERIFYING ALL RELEVANT INFORMATION. THE SUBMISSION OF A BID INDICATES ACCEPTANCE OF EXISTING CONDITIONS. NOTIFY THE ENGINEER OF ANY DISCREPANCIES NOTED.

KEY NOTES FOR SHEET M2

- EXISTING CEILING MOUNTED EXHAUST FANS AND THERMOSTATS TO REMAIN.
- EXISTING WALL MOUNTED DUCTLESS SPLIT SYSTEM FAN-COIL UNIT TO REMAIN.
- EXISTING DUCTLESS SPLIT SYSTEM OUTDOOR HEAT PUMP UNIT TO REMAIN.
- EXISTING THERMOSTAT FOR DUCTLESS SPLIT SYSTEM TO REMAIN.
- EXISTING DUCTLESS SPLIT SYSTEM OUTDOOR HEAT PUMP UNIT TO BE RELOCATED. SEE 1/M3 FOR NEW LOCATION.
- EXISTING THERMOSTAT FOR DUCTLESS SPLIT SYSTEM TO BE RELOCATED. SEE 1/M3 FOR NEW LOCATION.

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WBS ELEMENT 15RE.10.3
SCO ID# 18-19070-01A

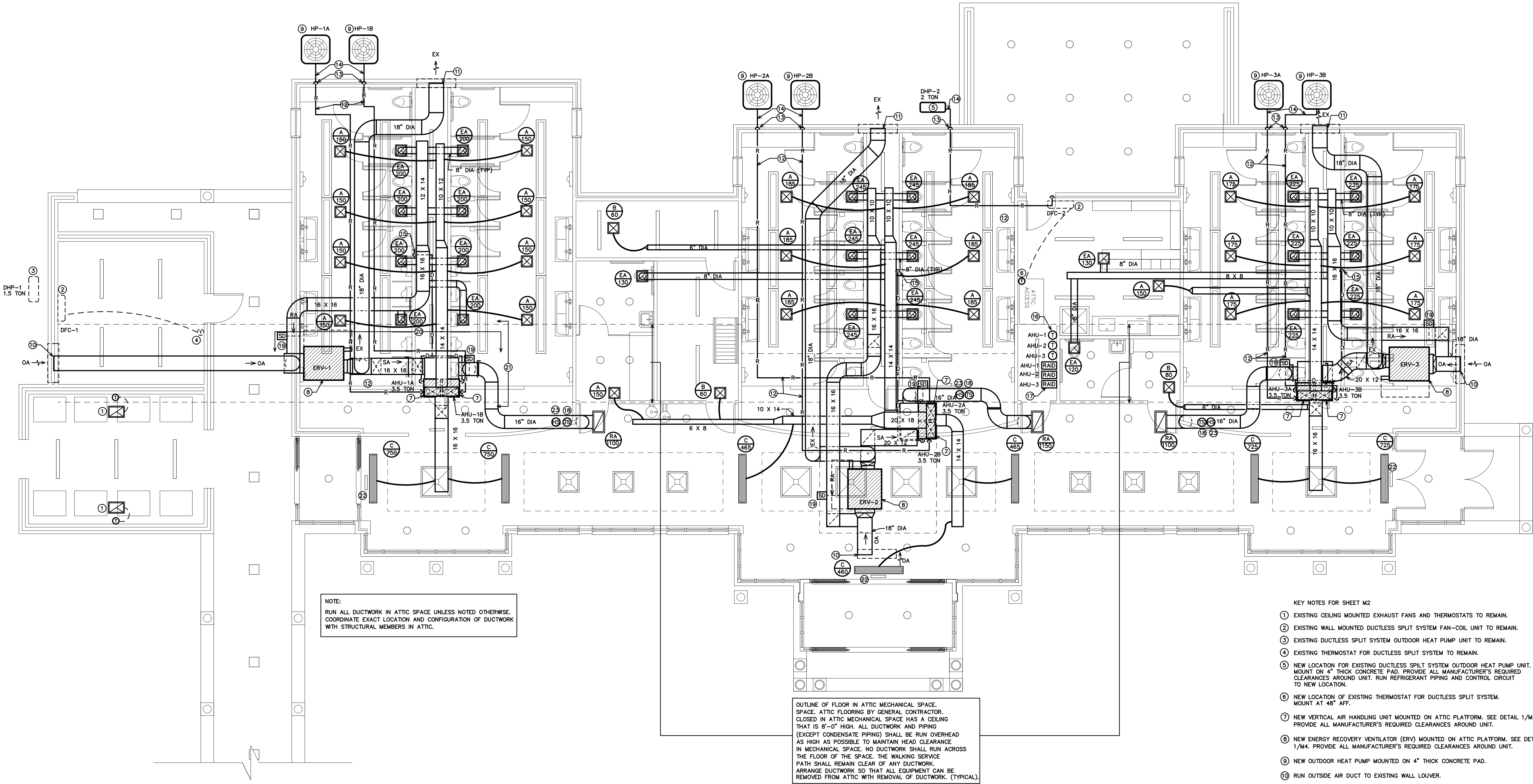
PROJECT TITLE
**NORTHAMPTON CTY.
REST AREA— RENOV.**
I-95 NEAR VA STATE LINE
PLEASEANT HILL, NORTH CAROLINA

PROJECT NO.
1704a

DRAWING TITLE
REVISED HVAC PLAN

PLOT DATE 9/18/18

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1 REVISED HVAC PLAN
SCALE: 3/16" = 1'-0"

KEY NOTES FOR SHEET M2

- EXISTING CEILING MOUNTED EXHAUST FANS AND THERMOSTATS TO REMAIN.
- EXISTING WALL MOUNTED DUCTLESS SPLIT SYSTEM FAN-COIL UNIT TO REMAIN.
- EXISTING DUCTLESS SPLIT SYSTEM OUTDOOR HEAT PUMP UNIT TO REMAIN.
- EXISTING THERMOSTAT FOR DUCTLESS SPLIT SYSTEM TO REMAIN.
- NEW LOCATION FOR EXISTING DUCTLESS SPLIT SYSTEM OUTDOOR HEAT PUMP UNIT. MOUNT ON 4" THICK CONCRETE PAD. PROVIDE ALL MANUFACTURER'S REQUIRED CLEARANCES AROUND UNIT. RUN REFRIGERANT PIPING AND CONTROL CIRCUIT TO NEW LOCATION.
- NEW LOCATION OF EXISTING THERMOSTAT FOR DUCTLESS SPLIT SYSTEM. MOUNT AT 48" AFF.
- NEW VERTICAL AIR HANDLING UNIT MOUNTED ON ATTIC PLATFORM. SEE DETAIL 1/M4. PROVIDE ALL MANUFACTURER'S REQUIRED CLEARANCES AROUND UNIT.
- NEW ENERGY RECOVERY VENTILATOR (ERV) MOUNTED ON ATTIC PLATFORM. SEE DETAIL 1/M4. PROVIDE ALL MANUFACTURER'S REQUIRED CLEARANCES AROUND UNIT.
- NEW OUTDOOR HEAT PUMP MOUNTED ON 4" THICK CONCRETE PAD.
- RUN OUTSIDE AIR DUCT TO EXISTING WALL LOUVER.
- RUN EXHAUST DUCT TO EXISTING WALL LOUVER.
- RUN PIPING IN ATTIC SPACE. (TYPICAL).
- RUN REFRIGERANT PIPING DOWN CONCEALED IN EXTERIOR WALL.
- PAINT ALL EXTERIOR EXPOSED INSULATION ON REFRIGERANT PIPING WITH UV RESISTANT PAINT.
- RUN CONDENSATE PIPING DOWN TIGHT AGAINST WALL IN PLUMBING CHASE TO FLOOR DRAIN. PROVIDE AIR GAP AT FLOOR DRAIN. FLOOR DRAIN BY PLUMBING CONTRACTOR.
- (3) NEW THERMOSTATS. MOUNT AT 48" AFF. PROVIDE REMOTE DUCT MOUNTED TEMPERATURE SENSOR AND HUMIDITY SENSOR FOR THERMOSTAT. PROVIDE CLEAR PLASTIC, VANDAL RESISTANT, LOCKABLE COVER FOR EACH THERMOSTAT.
- (3) NEW WALL MOUNTED REMOTE ALARM INDICATING DEVICE (ERV) FOR DUCT SMOKE DETECTOR. MOUNT AT 48" AFF.
- DUCT MOUNTED REMOTE TEMPERATURE SENSOR FOR THERMOSTAT/HUMIDSTAT.
- RETURN DUCT MOUNTED SMOKE DETECTOR FOR FAN SHUT-DOWN. DETECTOR SHALL BE IN ACCESSIBLE LOCATION. PROVIDE DUCT ACCESS DOOR.
- SEE SECTION 1/M4.
- SEE SECTION 2/M4.
- COORDINATE CEILING DIFFUSER LOCATION WITH CEILING MOUNTED EXIT LIGHT FIXTURE. SEE SHEET E3 FOR LIGHT FIXTURE LOCATIONS. (TYPICAL).
- DUCT MOUNTED REMOTE HUMIDISTAT SENSOR FOR THERMOSTAT/HUMIDSTAT.

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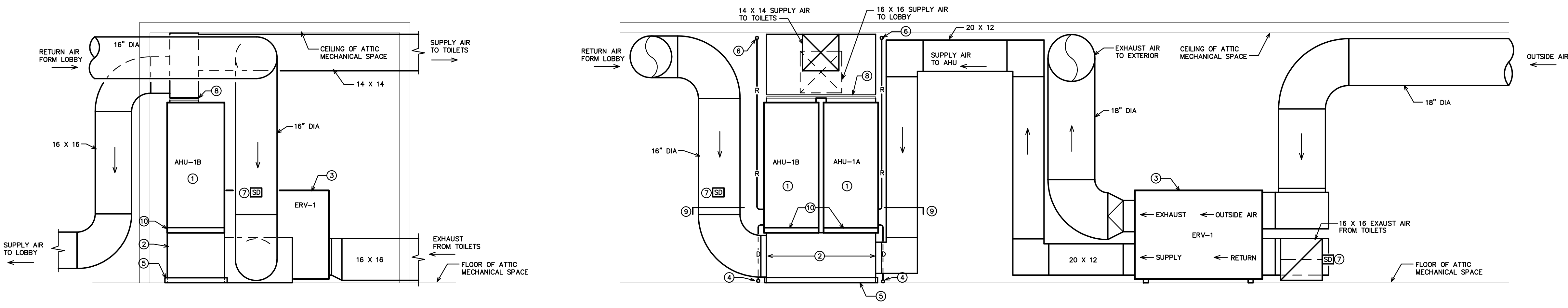
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2 ATTIC MECHANICAL SPACE SECTION
SCALE: 1/2" = 1'-0"

NOTE:
SECTIONS SHOW TYPICAL INSTALLATION OF AIR HANDLING UNITS AND ENERGY RECOVERY VENTILATORS AND ASSOCIATED DUCTWORK FOR ALL AIR HANDLING UNITS AND ENERGY RECOVERY VENTILATORS.

1 ATTIC MECHANICAL SPACE SECTION
SCALE: 1/2" = 1'-0"

- KEY NOTES FOR SHEET M4
- VERTICAL AIR HANDLING UNIT. PROVIDE ALL MANUFACTURER'S CLEARANCES AROUND UNIT.
 - RETURN AIR PLENUM.
 - (ERV) ENERGY RECOVERY VENTILATOR) PROVIDE ALL MANUFACTURER'S CLEARANCES AROUND UNIT.
 - RUN CONDENSATE ROUTED AS SHOWN ON PLANS TO FLOOR DRAIN IN PLUMBING CHASE BETWEEN TOILETS. INSULATE CONDENSATE PIPING FOR ENTIRE LENGTH WITH CLOSED CELL INSULATION.
 - DRAIN PAN UP AIR HANDLING UNITS. PROVIDE FLOAT SWITCH IN PAN FOR UNIT SHUT-DOWN.
 - RUN REFRIGERANT PIPING AS HIGH AS POSSIBLE OVERHEAD IN ATTIC MECHANICAL SPACE.
 - DUCT TYPE SMOKE DETECTOR IN RETURN AIR DUCT. DETECTOR SHALL BE IN ACCESSIBLE LOCATION. PROVIDE ACCESS DOOR IN DUCT FOR DETECTOR.
 - FLEXIBLE DUCT AT DUCT CONNECTION TO ALL EQUIPMENT. (TYPICAL)
 - MANUAL BALANCING DAMPER.
 - FILTER RACK FOR 1" THICK PLEATED FILTER. FILTER RACK SHALL HAVE HINGED DOOR.

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SCO ID# 18-19070-01A

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PROJECT NO.
1704a

DRAWING TITLE
HVAC DETAILS

M4

PLOT DATE 9/18/18

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THE SUBMISSION OF A BID INDICATES ACCEPTANCE OF EXISTING CONDITIONS. NOTIFY THE ENGINEER
OF ANY DISCREPANCIES NOTED.

THE SCOPE OF DEMOLITION IS AS FOLLOWS--

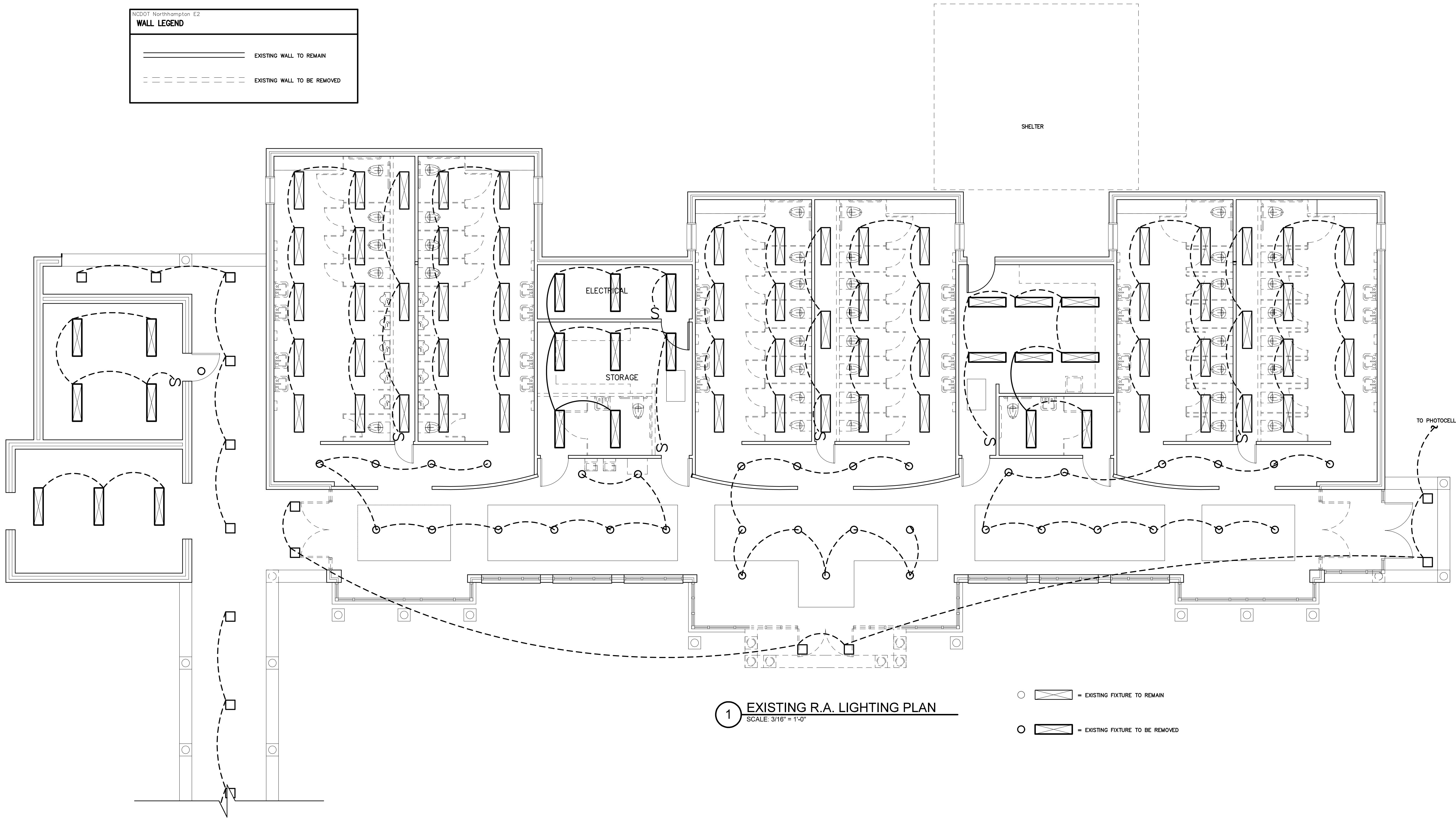
REMOVE ALL LIGHTING, SWITCHES, AND CIRCUITS BACK TO THE PANEL UNLESS OTHERWISE NOTED.
ALL LIGHTS NOTED AS REMAINING SHALL BE CLEANED AND RE-LAMPED.
REMOVE ALL DEMOED LIGHT FIXTURES AND PROPERLY DISPOSE OF ALL FIXTURES, BALLASTS, ETC.
REMOVE ALL DEVICES AS SHOWN. RETEED ANY DEVICES REMAINING DOWN LINE FROM REMOVED DEVICE.
REMOVE ALL WRING AND CONDUITS BACK TO CONCEALED JUNCTION POINT.

NCDOT Northhampton E2

WALL LEGEND

===== EXISTING WALL TO REMAIN

- - - - - EXISTING WALL TO BE REMOVED



○  = EXISTING FIXTURE TO REMAIN

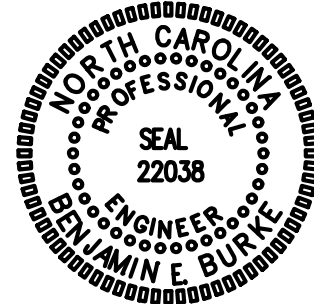
○  = EXISTING FIXTURE TO BE REMOVED

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REST AREA- RENOV.**
I-95 NEAR VA STATE LINE
PLEASEANT HILL, NORTH CAROLINA

PROJECT NO.
1704a

DRAWING TITLE
**EXISTING REST AREA
LIGHTING PLAN**

E2

PLOT DATE 9/18/18

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* OR APPROVED EQUAL BY LITHONIA/DAYBRITE. PROVIDE CUT SHEETS FOR OWNER APPROVAL PRIOR TO ORDERING FIXTURES. FOR FLUORESCENT FIXTURES CONTROLLED BY MOTION SENSOR, PROVIDE "PROGRAMMED RAPID START" BALLASTS. CATALOG NUMBERS ARE FOR REFERENCE ONLY, ACTUAL NUMBERS MAY VARY. 'EB' DENOTES ELECTRONIC BALLAST.

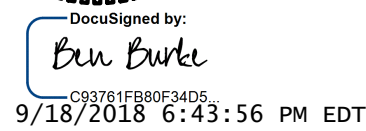
** VERIFY FIXTURE HAS INTEGRAL LOCAL DISCONNECTING MEANS PER NEC 410.130 (G) (2011).

THE EMERGENCY LIGHTS AND EXIT SIGNS MUST HAVE INTEGRAL BATTERIES, CHARGERS AND TEST SWITCHES.

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PROJECT TITLE
NORTHAMPTON CTY.
REST AREA- RENOV.
I-95 NEAR VA STATE LINE
PLEASEANT HILL, NORTH CAROLINA

DRAWING TITLE
**REVISED REST AREA
LIGHTING PLAN**

PLOT DATE 9/18/18

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PROVIDE SWITCHED & UN-SWITCHED POWER FROM SAME CIRCUIT FOR ALL TYPE "E" FIXTURES. (TYP)

NOTE: PROVIDE LABELING ON EACH SWITCH NOTING CIRCUIT SERVED.

AUTOMATIC LIGHTING SHUTOFF IS NOT SHOWN IN THE EGRESS PATH LIGHTING AS ALLOWED PER 505.2.2.2.1 EXCEPTION #3, WHERE AUTOMATIC SHUTOFF WOULD ENDANGER OCCUPANT SAFETY.

THE ALL EXIT AND EMERGENCY LIGHTS TO NEAREST AVAILABLE UNSWITCHED LIGHTING CIRCUIT IN THE AREA SERVED.

VERIFY HEIGHT/LOCATION OF ALL SWITCHES AND DEVICES PRIOR TO INSTALLATION.

1 REVISED R.A. LIGHTING PLAN
SCALE: 3/16" = 1'-0"

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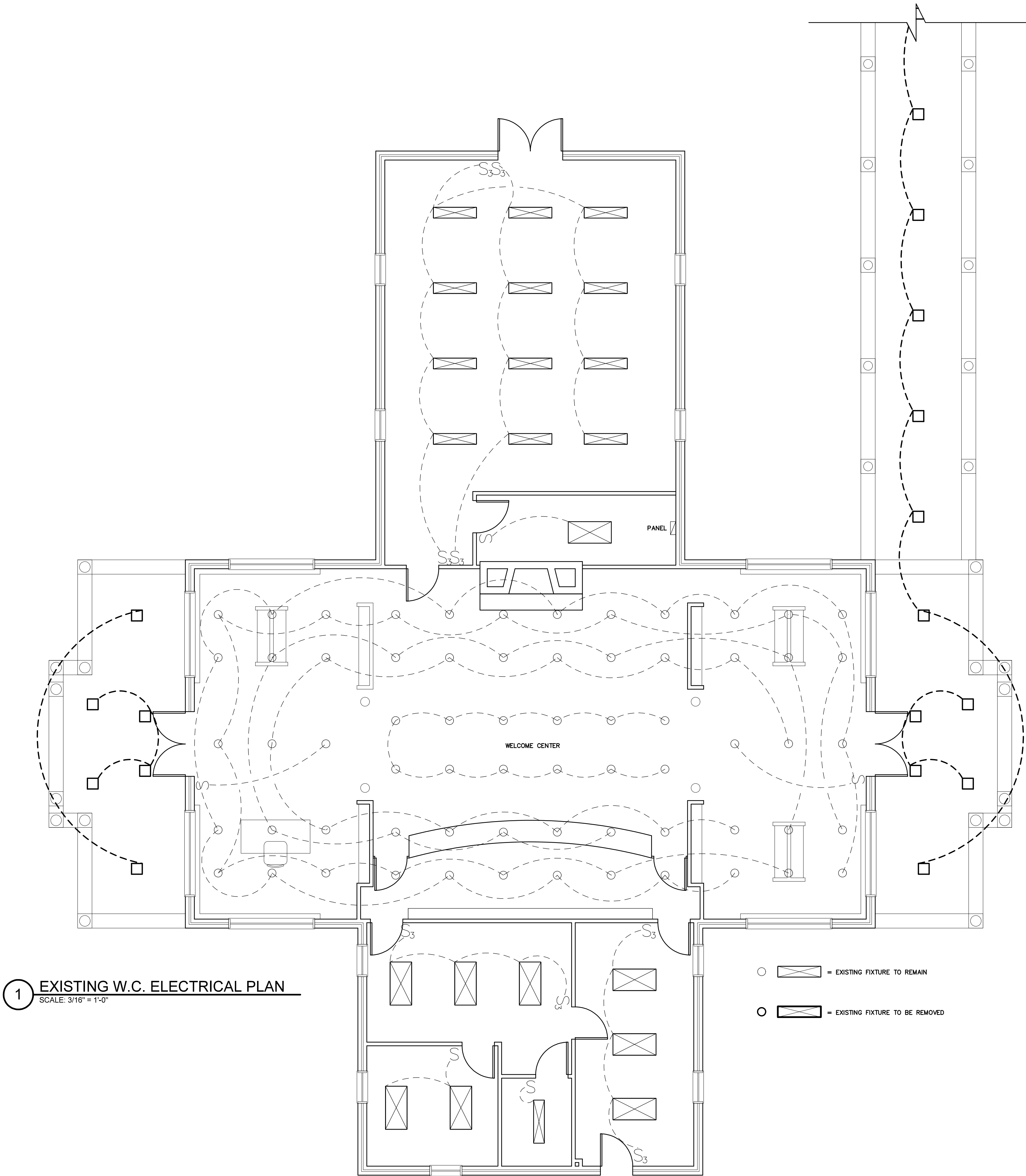
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ALL LIGHTS NOTED AS REMAINING SHALL BE CLEANED AND RE-LAMPED.
REMOVE ALL DEMO'ED LIGHT FIXTURES AND PROPERLY DISPOSE OF ALL FIXTURES, BALLASTS, ETC.
REMOVE ALL DEVICES AS SHOWN. REFEED ANY DEVICES REMAINING DOWN LINE FROM REMOVED DEVICE.
REMOVE ALL WIRING AND CONDUITS BACK TO CONCEALED JUNCTION POINT.

NCDOT Northhampton E4

WALL LEGEND

————— EXISTING WALL TO REMAIN

- - - - - EXISTING WALL TO BE REMOVED



1 EXISTING W.C. ELECTRICAL PLAN
SCALE: 3/16" = 1'-0"

- □ = EXISTING FIXTURE TO REMAIN
- □ = EXISTING FIXTURE TO BE REMOVED

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SCO ID# 18-19070-01A

PROJECT TITLE
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REST AREA— RENOV.
I-95 NEAR VA STATE LINE
PLEASEANT HILL, NORTH CAROLINA

PROJECT NO.
1704a

DRAWING TITLE
EXISTING WELCOME CENTER
ELECTRICAL PLAN

14

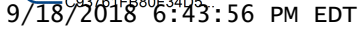
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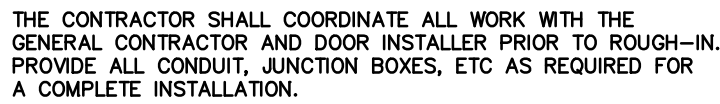
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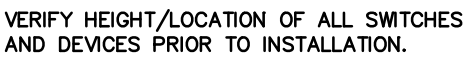
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VERIFY FIXTURE HAS INTEGRAL LOCAL DISCONNECTING MEANS PER NEC 410.130 (G) (2011).
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1 REVISED W.C. ELECTRICAL PLAN
SCALE: 3/16" = 1'-0"



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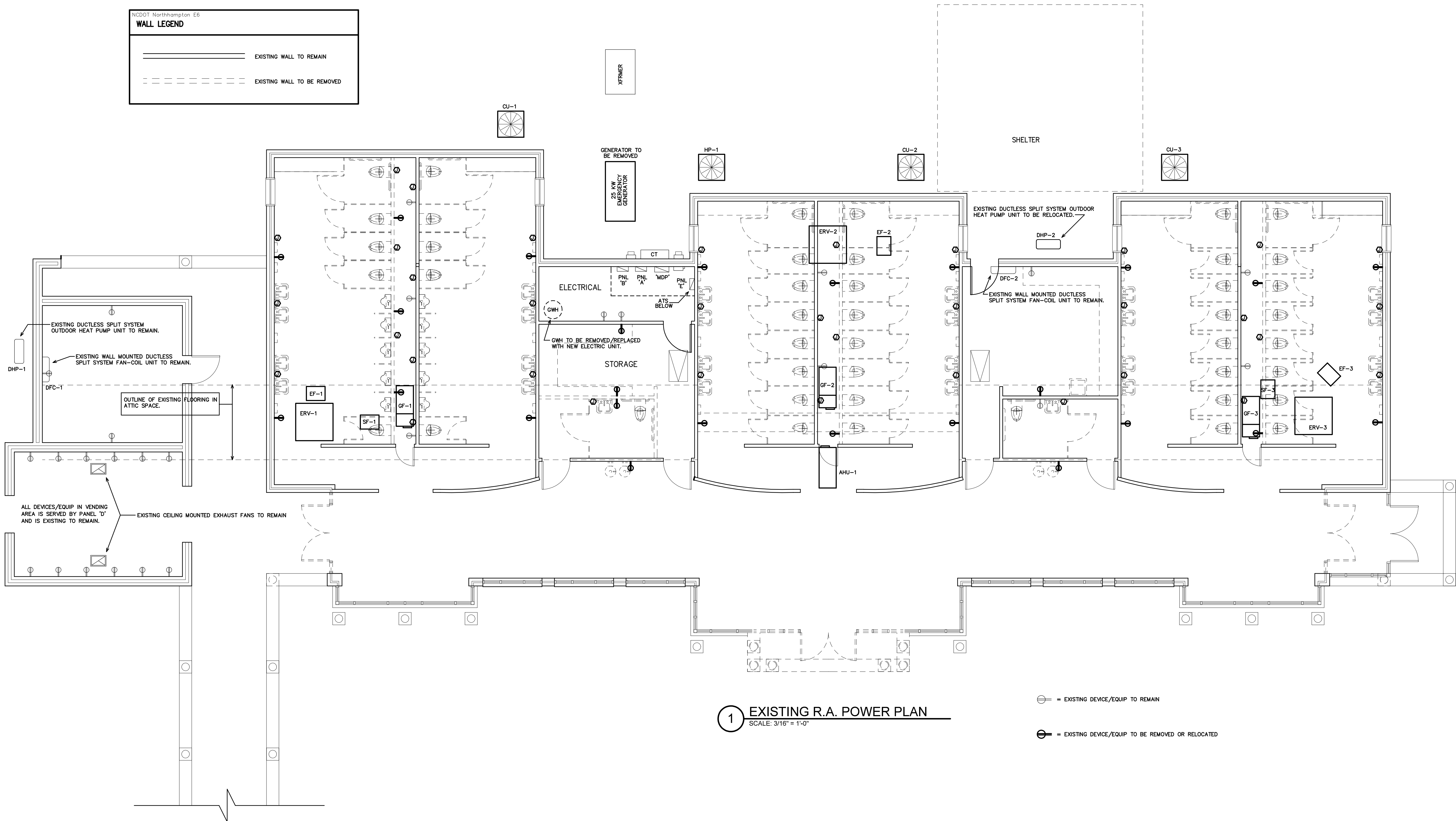
THE SCOPE OF DEMOLITION IS AS FOLLOWS:-
REMOVE ALL DEVICES AS SHOWN. REFEED ANY DEVICES REMAINING DOWN LINE FROM REMOVED DEVICE.
REMOVE ALL WIRING AND CONDUITS BACK TO CONCEALED JUNCTION POINT.
REMOVE ALL EXISTING FIRE ALARM EQUIPMENT AND DEVICES.

NCDOT Northhampton E6

WALL LEGEND

————— EXISTING WALL TO REMAIN

- - - - - EXISTING WALL TO BE REMOVED



1 EXISTING R.A. POWER PLAN
SCALE: 3/16" = 1'-0"

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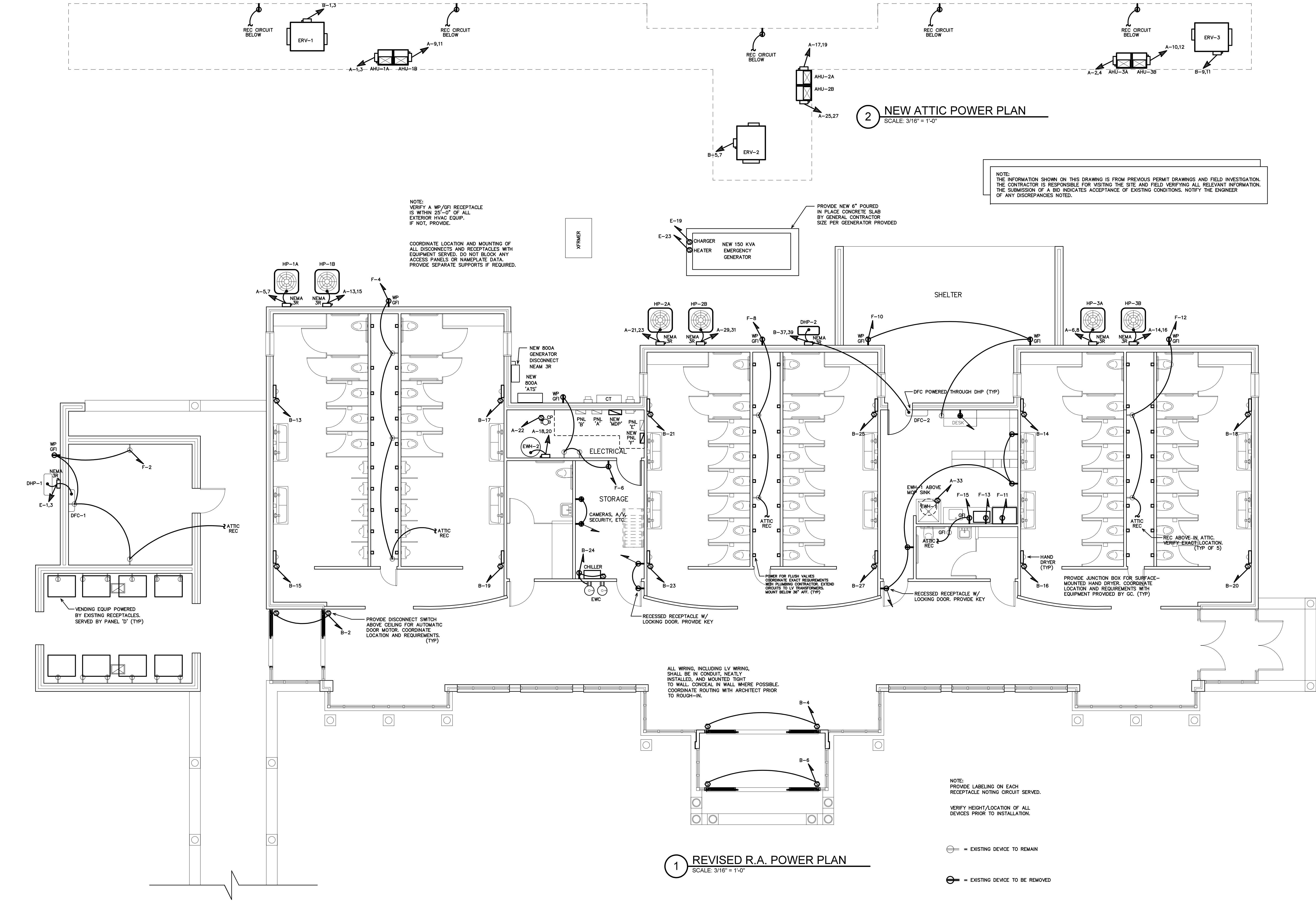
DRAWING TITLE
EXISTING REST AREA
POWER PLAN

16

PLOT DATE 9/18/18

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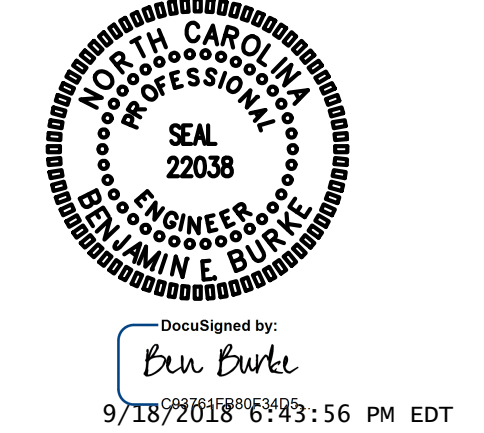
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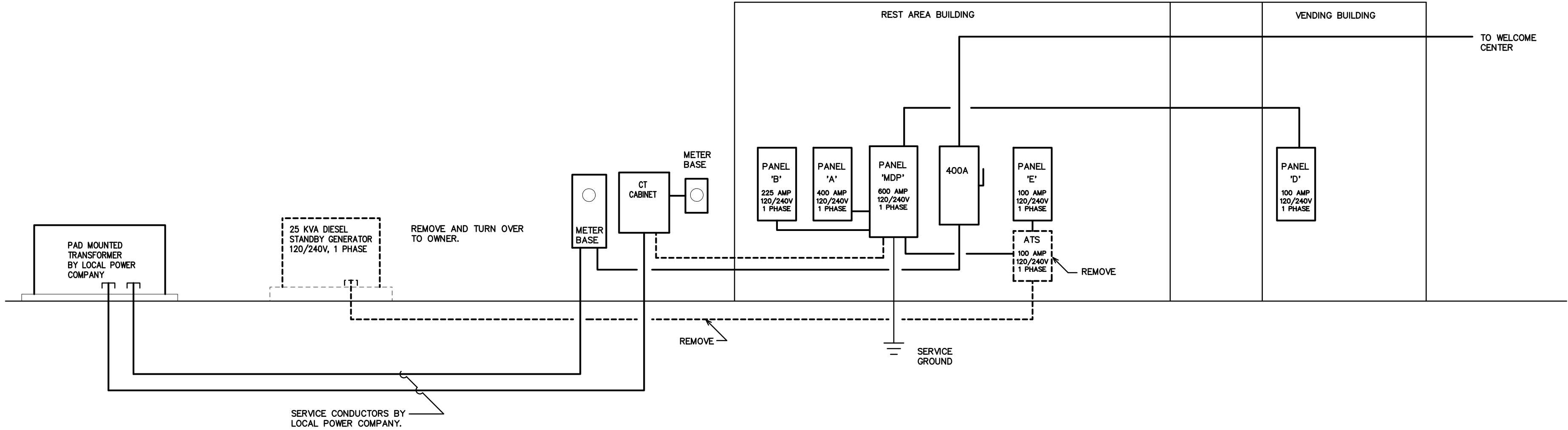
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DRAWING TITLE
**REVISED REST AREA
POWER PLAN**

E7

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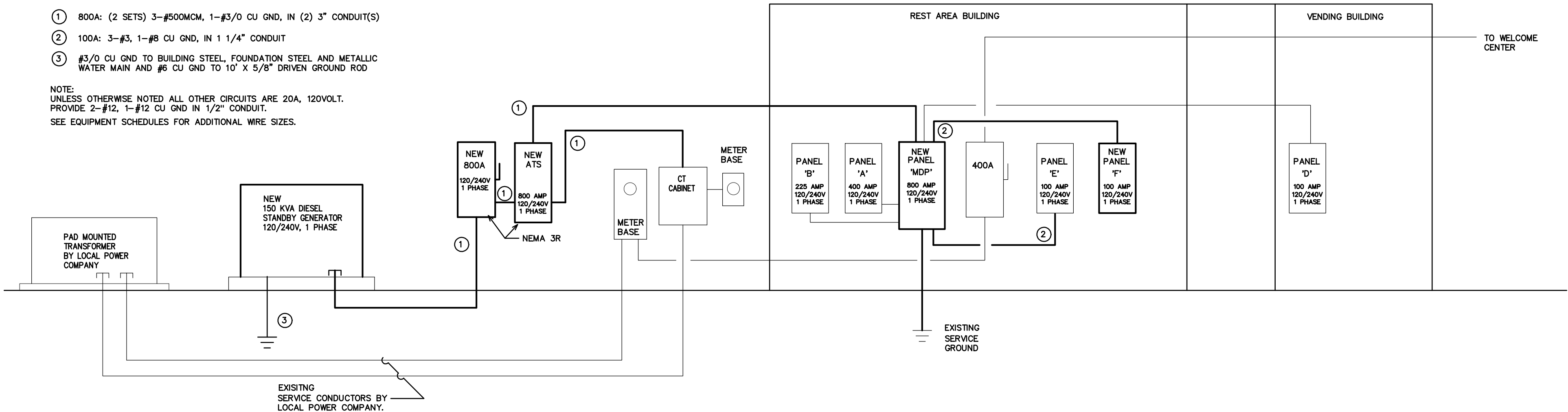


1 EXISTING SERVICE RISER
SCALE: NOT TO SCALE

RISER WIRING SCHEDULE

- 1 800A: (2 SETS) 3-#500MCM, 1-#3/0 CU GND, IN (2) 3" CONDUIT(S)
2 100A: 3-#3, 1-#8 CU GND, IN 1 1/4" CONDUIT
3 #3/0 CU GND TO BUILDING STEEL, FOUNDATION STEEL AND METALLIC WATER MAIN AND #6 CU GND TO 10' X 5/8" DRIVEN GROUND ROD

NOTE:
UNLESS OTHERWISE NOTED ALL OTHER CIRCUITS ARE 20A, 120VOLT.
PROVIDE 2-#12, 1-#12 CU GND IN 1/2" CONDUIT.
SEE EQUIPMENT SCHEDULES FOR ADDITIONAL WIRE SIZES.



2 REVISED SERVICE RISER
SCALE: NOT TO SCALE

NCDOT Northhampton E9					
EQUIPMENT WIRING SCHEDULE					
EQUIPMENT	MCA	MOCP	VOLTS	PH	WIRE SIZE
AHU-1A	33.5A	35A	240V	1	2-#8, 1-#10 GND IN 3/4" CONDUIT
HP-1A	27.6A	40A	240V	1	2-#8, 1-#10 GND IN 3/4" CONDUIT
AHU-1B	33.5A	35A	240V	1	2-#8, 1-#10 GND IN 3/4" CONDUIT
HP-1B	27.6A	40A	240V	1	2-#8, 1-#10 GND IN 3/4" CONDUIT
AHU-2A	33.5A	35A	240V	1	2-#8, 1-#10 GND IN 3/4" CONDUIT
HP-2A	27.6A	40A	240V	1	2-#8, 1-#10 GND IN 3/4" CONDUIT
AHU-2B	33.5A	35A	240V	1	2-#8, 1-#10 GND IN 3/4" CONDUIT
HP-2B	27.6A	40A	240V	1	2-#8, 1-#10 GND IN 3/4" CONDUIT
AHU-3A	33.5A	35A	240V	1	2-#8, 1-#10 GND IN 3/4" CONDUIT
HP-3A	27.6A	40A	240V	1	2-#8, 1-#10 GND IN 3/4" CONDUIT
AHU-3B	33.5A	35A	240V	1	2-#8, 1-#10 GND IN 3/4" CONDUIT
HP-3B	27.6A	40A	240V	1	2-#8, 1-#10 GND IN 3/4" CONDUIT
ERV-1	18.5A	25A	240V	1	3-#10, 1-#10 GND IN 3/4" CONDUIT
ERV-2	18.5A	25A	240V	1	3-#10, 1-#10 GND IN 3/4" CONDUIT
ERV-3	18.5A	25A	240V	1	3-#10, 1-#10 GND IN 3/4" CONDUIT
EW-2	(4.5KW)	30A	240V	1	2-#10, 1-#10 GND IN 3/4" CONDUIT

NOTE:
THE ELECTRICAL CONTRACTOR SHALL VERIFY ALL EQUIPMENT ELECTRICAL REQUIREMENTS
PRIOR TO ROUGH-IN AND RELEASING GEAR. ADJUST BREAKER, WIRE SIZES, ETC. AS REQUIRED.

(PROVIDED BY OWNER, INSTALLED BY EC)

EMERGENCY GENERATOR SCHEDULE

150 KW DIESEL FUELED EMERGENCY GENERATOR

PROVIDE A "GENERAC" MODEL SD150 STANDBY GENERATOR WITH AUTOMATIC TRANSFER SWITCH. THE GENERATOR SHALL BE CAPABLE OF RUNNING ON DIESEL FUEL WITH A 45 HOUR MIN RUN CAPACITY. PROVIDE ALL ACCESSORIES AS REQUIRED FOR A COMPLETE OPERATING SYSTEM. THE ENGINE SHALL HAVE A MINIMUM OF 240 HP AT 1800 RPM WITH AND ENCLOSED MUFFLER. THE DELIVERY VOLTAGE SHALL BE 120/240 VOLT, 1 PHASE. PROVIDE 10A DUAL RATE BATTERY CHARGER, AUTOMATIC VOLTAGE REGULATOR, AUTOMATIC LOW OIL PRESSURE AND HIGH TEMPERATURE SHUTDOWN, THE AUTOMATIC TRANSFER SWITCH SHALL TRANSFER FROM THE UTILITY AUTOMATICALLY WITH-IN 10 SECONDS. PROVIDE A SERVICE RATED DISCONNECTING MEANS WITH OVERCURRENT PROTECTION AT THE GENERATOR LOCATION. PROPERLY GROUND THE GENERATOR AND SERVICE EQUIPMENT PER THE NEC. PROVIDE INITIAL START UP AND OWNER TRAINING. THE DIESEL FUEL TANK SHALL BE A MINIMUM OF 510 GALLONS. PROVIDE A DIGITAL CONTROL PANEL, UNIT VIBRATION ISOLATION, AND A WEATHER PROTECTIVE ENCLOSURE. PROVIDE A LOAD TEST, START-UP AND OWNER TRAINING BY THE GENERATOR MANUFACTURER'S FACTORY TRAINED REPRESENTATIVE.

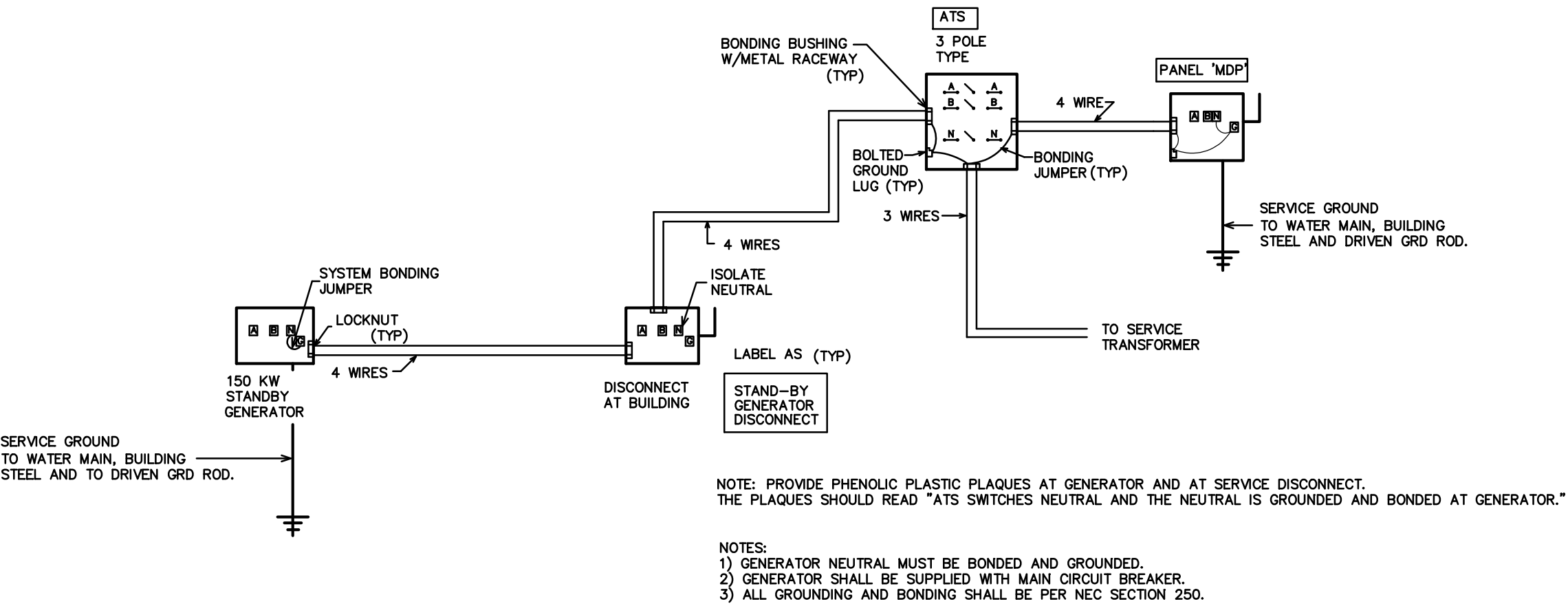
PROVIDE AN ADJUSTABLE 7-DAY/24-HOUR EXERCISE TIMER.
PROVIDE A FULL TANK OF FUEL AT COMPLETION OF ALL REQUIRED TESTS.
INSTALL PER NFPA 110.

(PROVIDED BY OWNER, INSTALLED BY EC)

(ATS) AUTOMATIC TRANSFER SWITCH SCHEDULE

ATS-1
"STANDBY POWER" * ASCO MODEL# 300-J-03ATS-B-800-F-F, AUTOMATIC TRANSFER SWITCH, SWITCHED NEUTRAL
800 AMP, 120/240 VOLT, 1 PHASE WITH NEMA 3R ENCLOSURE. PROVIDE GFI PROTECTION.

* OR APPROVED EQUAL



3 GENERATOR GROUNDING/BONDING
SCALE: NOT TO SCALE

WEEKS
TURNER
ARCHITECTURE

WEEKS TURNER ARCHITECTURE, PA
3305-109 Durham Drive
Raleigh, North Carolina 27603
919.779.9797 fax: 919.779.0826
www.weeksturner.com

ENGINEER

BURKE DESIGN GROUP, PA
CONSULTING ENGINEERS
3305-109 Durham Drive
Raleigh, North Carolina 27603
919.771.1916 fax: 919.779.0826
email: benburke@nc.rr.com
Corp. License # C-2652



DocuSigned by:
Ben Burke
C93761FB80F34D5
9/18/2018 6:43:56 PM EDT

WBS: 15RE.10.3
SCO ID# 18-19070-01A

PROJECT TITLE
NORTHAMPTON CTY.
REST AREA- RENOV.
I-95 NEAR VA STATE LINE
PLEASEANT HILL, NORTH CAROLINA

PROJECT NO.
1704a

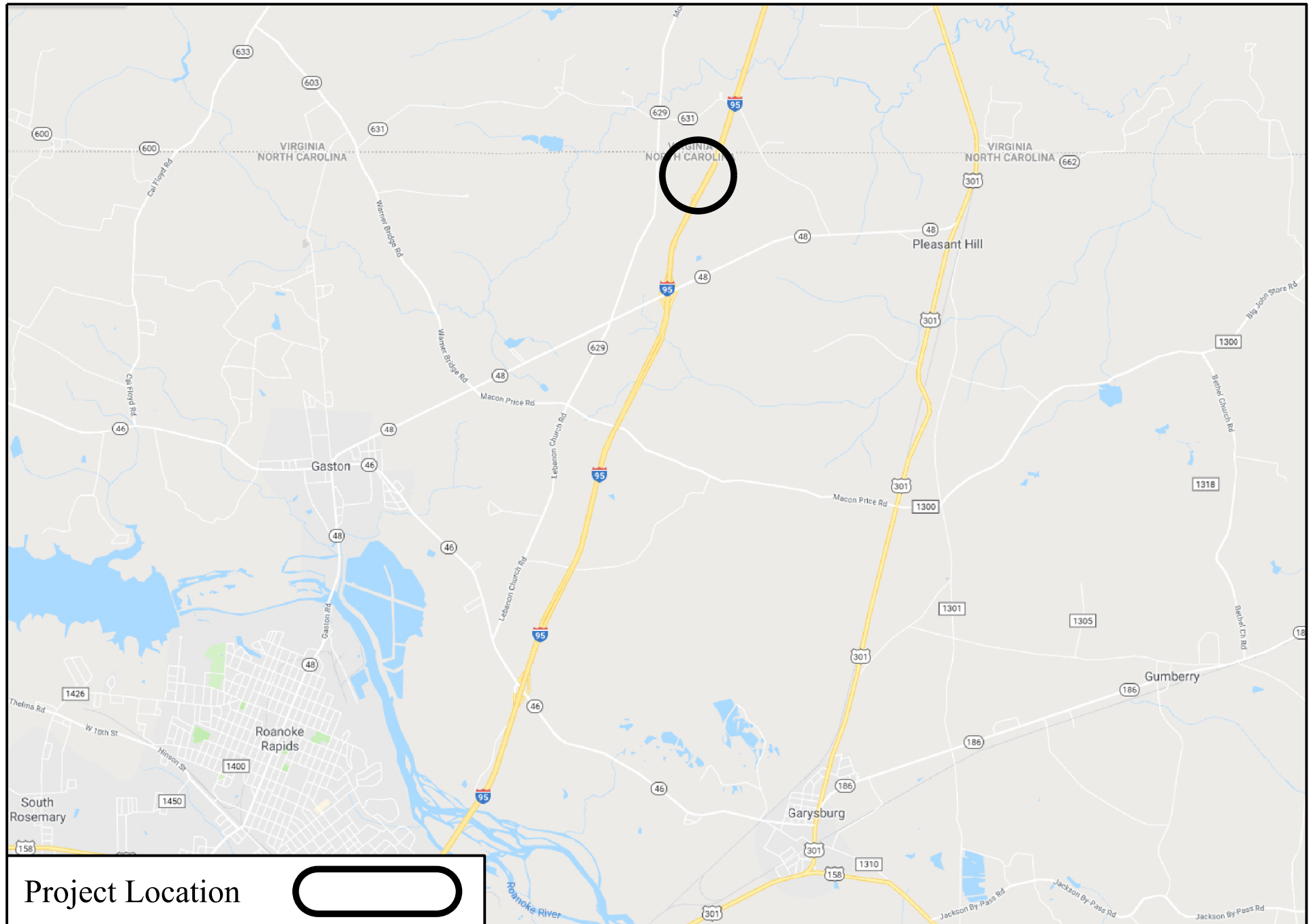
DRAWING TITLE
SERVICE RISERS

E9

PLOT DATE 9/18/18

This original sheet is 22" x 34"; other dimensions indicate it has been altered.
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	HIGHWAY LANDSCAPE DEVELOPMENT PROJECT					T.I.P. #	STATE PROJECT W.B.S. #	SHEET #	SHEET # TOTAL
	- - - - -	46305.3.58	L1	23					
	FED. PROJ. #	DESCRIPTION		DIVISION					
- - - - -	Enhancement		4						



Summary of Quantities
1.5 Year (18 Months) Establishment

DES	SEC	QTY	UNIT	KEY	BOTANICAL NAME	COMMON NAME	SIZE	CAULIPER	FURNISH	A.S.N.S.	REMARKS
Trees											
L	1670	1	ea	AC	<i>Acer palmatum 'Sango Kaku'</i>	Coral Bark Japanese Maple	6-7'	1.5-1.75"	B&B	2.3	As Shown
L	1670	1	ea	AS	<i>Acer palmatum 'Seiryu'</i>	Seiryu Japanese Maple	7-8'		B&B	2.3	As Shown
L	1670	11	ea	LS	<i>Lagerstroemia indica 'Sioux'</i>	Sioux Crape Myrtle	6-7'		B&B	2.3	As Shown
L	1670	7	ea	LM	<i>Lagerstroemia indica x fauriei 'Muskogee'</i>	Muskogee Crape Myrtle	10-12"	2-2.5"	B&B	2.3	Standard, 10' O.C.
L	1670	1	ea	MA	<i>Magnolia x soulangiana 'Alexandrina'</i>	Alexander Magnolia	7-8'		B&B	2.4	As Shown
L	1670	21	ea	TS	<i>Thuja occidentalis 'Smaragd'</i>	Emerald Green Arborvitae	6-7'		B&B	4.9	As Shown
Shrubs											
L	1670	76	ea	BB	<i>Buddleia 'Blue Chip'</i>	Lo & Behold® Blue Chip Butterfly Bush	24-30"		#3 Cont.	3.1	2.5' O.C.
L	1670	28	ea	DE	<i>Dryopteris erythrosora</i>	Autumn Fern	6-12"		#1 Cont.	n/a	1.5' O.C.
L	1670	17	ea	HA	<i>Hydrangea arborescens 'Annabelle'</i>	Annabelle Smooth Hydrangea	18-24"		#3 Cont.	3.3	As Shown
L	1670	12	ea	HL	<i>Hydrangea arborescens 'NCHA1'</i>	Invincibelle® Spirit Smooth Hydrangea	18-24"		#3 Cont.	3.3	As Shown
L	1670	12	ea	IR	<i>Ilex verticillata 'Red Sprite'</i>	Red Sprite Winterberry	18-24"		#3 Cont.	3.3	3' O.C.
L	1670	107	ea	IB	<i>Ilex vomitoria 'Condeux'</i>	Bordeaux® Dwarf Yaupon Holly	24-30"		#3 Cont.	5.6	2.5' O.C.
L	1670	30	ea	IL	<i>Itea virginica 'Sprich'</i>	Little Henry® Dwarf Virginia Sweetspire	18-24"		#3 Cont.	3.2	3' O.C.
L	1670	30	ea	RP	<i>Rhododendron 'Conief'</i>	Encore® Autumn Cheer™ Azalea	18-24"		#3 Cont.	5.5	3' O.C.
L	1670	14	ea	RW	<i>Rhododendron 'Conief'</i>	Encore® Autumn Twist™ Azalea	18-24"		#2 Cont.	5.6	As Shown
L	1670	4	ea	RO	<i>Rosmarinus officinalis 'Barbecue'</i>	Barbecue Rosemary	6-12"		#1 Cont.	5.7	As Shown
Grasses/Groundcovers/Perennials											
L	1670	24	ea	EM	<i>Echinacea purpurea 'Magnus'</i>	Magnus Purple Coneflower	6-12"		#1 Cont.	13.3	1.5' O.C.
L	1670	31	ea	EW	<i>Echinacea purpurea 'PAS702918'</i>	PowWow White® Coneflower	6-12"		#1 Cont.	13.3	1.5' O.C.
L	1670	347	ea	HM	<i>Hemerocallis x 'Pardon Me'</i>	Pardon Me Daylily	6-12"		#1 Cont.	13.2.3	1.75' O.C.
L	1670	303	ea	HD	<i>Hemerocallis x 'Stella de Oro'</i>	Stella de Oro Dwarf Daylily	6-12"		#1 Cont.	13.2.3	1.75' O.C.
L	1670	64	ea	HC	<i>Heuchera 'Caramel'</i>	Caramel Coral Bells	6-12"		#1 Cont.	13.3	1.5' O.C.
L	1670	24	ea	HP	<i>Heuchera x 'Peach Crisp'</i>	Peach Crisp Coral Bells	6-12"		#1 Cont.	13.3	1.25' O.C.
L	1670	24	ea	HS	<i>Heuchera x 'Sugar Plum'</i>	Sugar Plum Coral Bells	6-12"		#1 Cont.	13.3	1.25' O.C.
L	1670	18	ea	HG	<i>Hosta x 'Guacamole'</i>	Guacamole Plantain Lily	6-12"		#1 Cont.	13.2.4	As Shown
L	1670	954	ea	LB	<i>Liriope muscari 'Big Blue'</i>	Big Blue Lilyturf	6-12"		#p4	13.5	1' O.C.
L	1670	134	ea	MC	<i>Muhlenbergia capillaris</i>	Pink Muhly Grass	18-24"		#3 Cont.	13.4	3' O.C.
L	1670	374	ea	MCG	<i>Muhlenbergia capillaris</i>	Pink Muhly Grass	6-12"		#p4	13.4	3' O.C.
L	1670	237	ea	MWG	<i>Muhlenbergia capillaris 'White Cloud'</i>	White Muhly Grass	6-12"		#p4	13.4	3' O.C.
L	1670	136	ea	PE	<i>Philox subulata 'Emerald Blue'</i>	Emerald Blue Creeping Phlox	4-6"		#1 Cont.	13.5	35' O.C.
L	1670	278	ea	CI	<i>Ophiopogon japonicus 'Nana'</i>	Dwarf Mondo Grass	3-6"		#p4	13.5	7" O.C.
L	1670	50	ea	SM	<i>Sedum mexicanum 'Lemon Ball'</i>	Lemon Ball Sedum	3-6"		#p4	13.3	10" O.C.
L	1670	18	ea	ST	<i>Schizachyrium scoparium 'Twilight Zone'</i>	Twilight Zone Little Bluestem	6-12"		#1 Cont.	13.4	1.75' O.C.
L	1670	111	ea	SA	<i>Sedum spectabile 'Autumn Joy'</i>	Autumn Joy Sedum	12-18"		#1 Cont.	13.3	1.75' O.C.
L	1670	176	ea	SL	<i>Sedum spectabile 'Lemonjade'</i>	Sedum Rock 'N' Grow™ 'Lemonjade'	6-12"		#1 Cont.	13.3	1.25' O.C.
L	1670	365	ea	SP	<i>Sedum spectabile 'Pure Joy'</i>	Sedum Rock 'N' Grow™ 'Pure Joy'	6-12"		#1 Cont.	13.3	10" O.C.
L	1670	796	ea	SH	<i>Sporobolus heterolepis</i>	Prairie Dropseed	6-12"		#p4	13.4	2' O.C.
L	1670	809	sy	ZO	<i>Zoysia 'Zenith'</i>	Zenith Zoysiagrass	n/a		sod		Tight Seams

Other Vegetation Costs											
L	1670	2676	sy		Existing Plant Bed Removal						
L	1670	321	cy		Mulch for Planting						4" Depth
L	1670	2751	sy		Pre emergence Herbicidal Treatment						
L	1670	2751	sy		Post emergence Herbicidal Treatment						
L	1670	1	ea		Selective Tree Pruning & Thinning						
L	1651	2	ea		Selective Tree Removal (6")						
L	1670	51	m/g		Water for Planting						
New Construction Costs											
L	848	419	sy		#1 Concrete Sidewalk						
L	SP	1	LS		Concrete Seat Wall & Fountain						
L	SP	1	LS		Concrete Steps w/ Hand Rail						
L	SP	1	LS		Demolition						
L	848	1	LS		Depressed Curb Ramps						
L	SP	149	cy		Fill Soil						
L	SP	1	LS		Irrigation (Includes sleeves)						
L	SP	1	LS		Landscape Grading						
L	SP	158	LF		Metal Plant Bed Edging						
L	SP	8	ea		Parking Stops						
L	848	1	LS		Returned Curb Ramps						
L	SP	2345	sf		Reused Brick Pavers						
L	SP	1	LS		Site Stormwater Drainage (Includes sleeves)						
L	SP	704	sf		Stone Pavers						
L	SP	295	cy		Topsoil						
L	SP	18	ea		Monthly Maintenance						
* Zenith Zoysiagrass Sod quantity includes 10% extra for waste cuts.											

CONVENTIONAL SYMBOLS	
County Line.....	-----
City or Town Line.....	-----
Exist. Right of Way Line Marker.....	-----△-----
Prop. Right of Way Line Marker (By Others).....	-----▲-----
Prop Right of Way Line Marker (By Contract).....	-----▲-----
Exist. Control of Access Line.....	-----C-----
Prop. Control of Access Line.....	-----C-----
Property Line.....	-----E-----
Easement Line.....	-----E-----
Slope Stake Line.....	-----+-----
Exist. Fence.....	-----+-----
Prop. Woven Wire Fence.....	-----○-----
Prop.Chain Link Fence.....	-----□-----
Exist. Road.....	=====
Prop. Road.....	=====
Guardrail.....	-----T-----
Survey Line.....	-----+-----
Denotes Line Equality.....	-----●-----
Bridge.....	=====
Culvert.....	=====
Railroad.....	-----+-----
Woods.....	-----+-----
Exist. Telephone Pole.....	-----●-----
Prop. Telephone Pole.....	-----○-----
Tower Pole and Line.....	-----●-----
Exist. Power Pole.....	-----●-----
Prop. Power Pole.....	-----○-----
Sanitary Sewer Line.....	-----SS-----
Water Line.....	-----W-----
Gas Line.....	-----GAS-----
Picnic Shelter.....	-----
Regeneration.....	-----
Reforestation.....	-----

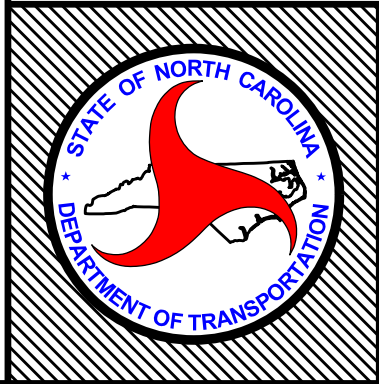
INDEX OF L SHEETS:

- L 1.0 - Title Sheet
- L 2.0 - Demolition Plan: Lower Parking Area
- L 3.0 - Demolition Plan: Building Area
- L 4.0 - Drainage/ Utilities Plan
- L 5.0 - Grading Plan
- L 6.0 - Hardscapes Plan
- L 7.0 - Dimensioning Plan
- L 8.0 - Planting Plan: Lower Parking Area
- L 9.0 - Planting Plan: Building Area
- L 10.0 - Enlarged Planting Plan: Quadrant A
- L 11.0 - Enlarged Planting Plan: Quadrant B
- L 12.0 - Enlarged Planting Plan: Quadrant C
- L 13.0 - Enlarged Planting Plan: Quadrant D
- L 14.0 - Fountain/Plant Bed/Seat Wall Details
- L 15.0 - Fountain/Plant Bed/Seat Wall Details
- L 16.0 - Hardscape Details
- L 17.0 - Hardscape Details
- L 18.0 - Hardscape Details
- L 19.0 - Concrete Stairs/Handrail Details
- L 20.0 - Planting Details
- L 21.0 - Irrigation Plan
- L 22.0 - Irrigation Specs
- L 23.0 - Irrigation Details

PREPARED BY: KC DATE:06/2017

REVISIONS

DATE	DESCRIPTION



STATE OF
NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

LOCATION: Northampton Welcome Center (I-95)

TYPE of WORK: Enhancement

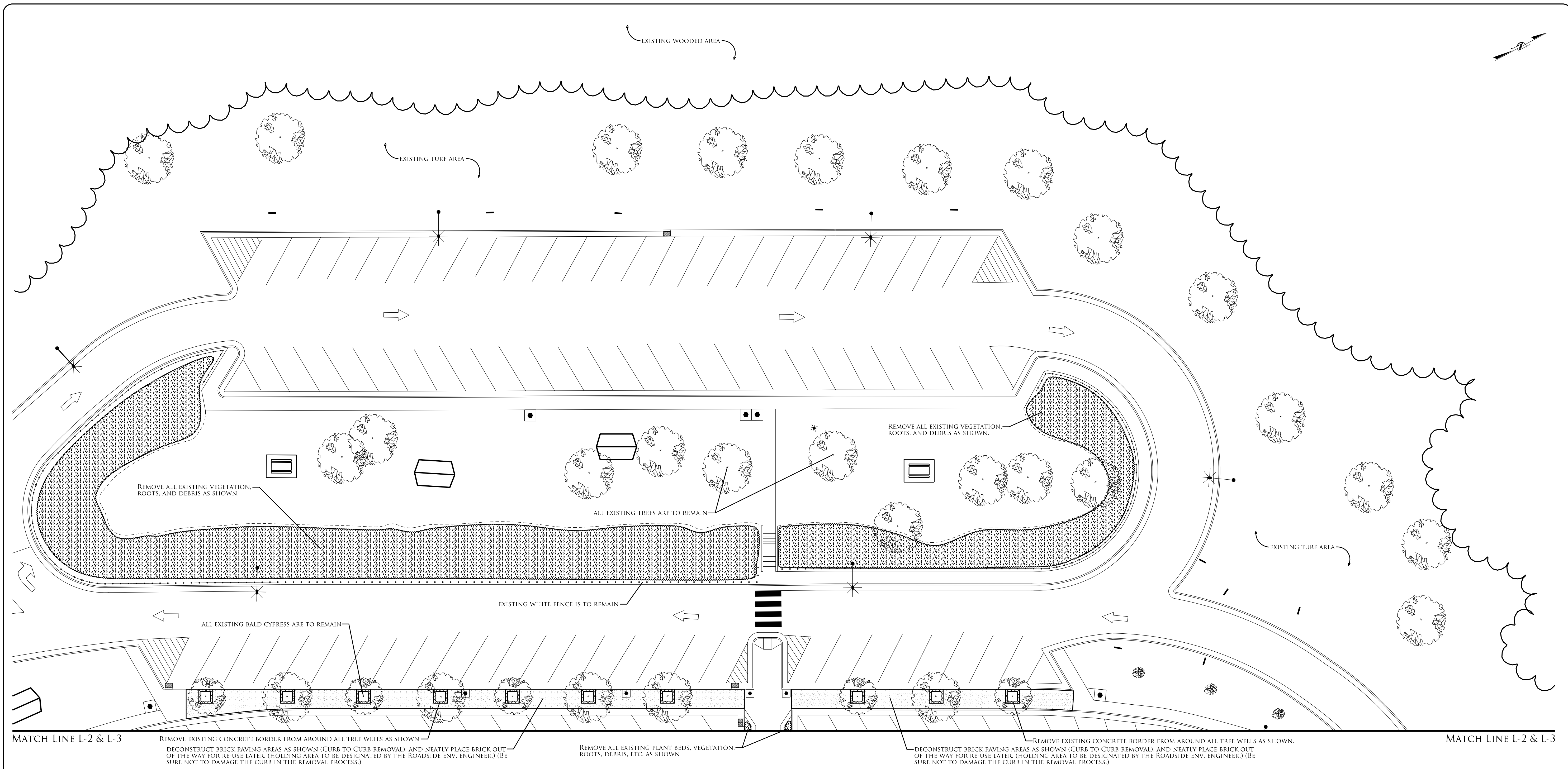
COUNTY: Northampton County



2014 American Standard for Nursery Stock

2018 NCDOT STANDARD SPECIFICATIONS

PREPARED IN THE OFFICE OF:
NCDOT- ROADSIDE ENVIRONMENTAL UNIT
AESTHETIC ENGINEERING SECTION
1557 MAIL SERVICE CENTER
RALEIGH NC 27699 919-707-2920

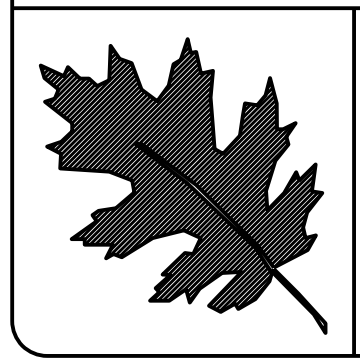


COMPONENTS KEY

BENCH	FLAG POLE	REMOVE EXISTING SIDEWALK
CIGARETTE ASHTRAY	GARBAGE/ RECYCLING BINS	REMOVE EXISTING TREE
COVERED PICNIC/INFO SHELTER	INFORMATION SIGNS	TREE
FENCE (BLACK ALUMINUM)	LIGHT FIXTURES	UTILITY BOX
FENCE (WHITE PLASTIC)	PICNIC TABLE	VEGETATION
	REMOVE EXISTING BRICK PAVERS	

NOTES:

- EXISTING CONDITIONS SHOWN ON THE PLANS ARE BASED ON SURVEY INFORMATION AND FIELD NOTES. ACTUAL SITE CONDITIONS MAY VARY.
- PRIOR TO ANY DEMOLITION OR WORK TAKING PLACE, THE CONTRACTOR SHALL LOCATE AND VERIFY ALL UTILITY LINES AND STRUCTURES WITHIN THE CONSTRUCTION AREAS (WATER, SEWER, GAS, ELECTRICAL, ETC.).
- THE CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS TO PREVENT DAMAGE OF ADJACENT PLANT MATERIAL, FACILITIES, AND STRUCTURES TO REMAIN. THE OWNER SHALL RESTORE DISTURBED AREAS TO THEIR ORIGINAL CONDITION TO THE SATISFACTION OF THE DIVISION ROADSIDE ENVIRONMENTAL ENGINEER.
- THE UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE LOCATIONS. THE CONTRACTOR SHALL LOCATE AND PROTECT IN PLACE ALL EXISTING UTILITIES BEFORE DIGGING OCCURS AND MAJOR CONSTRUCTION BEGINS.
- ALL OVERHEAD LIGHT FIXTURES ARE TO REMAIN IN PLACE AND BE PROTECTED FROM DAMAGE DURING DEMOLITION AND CONSTRUCTION. MINOR LIGHT FIXTURES, SUCH AS LANDSCAPE LIGHTING FOR PLANTINGS AND ART PIECES, SHALL BE REMOVED AND STORED UNTIL INSTALLATION BEGINS.
- BRICK PAVER AREAS ARE TO BE DECONSTRUCTED VERY CAREFULLY SO TO RETAIN AS MUCH OF THE EXISTING BRICK PAVERS AS POSSIBLE FOR RE-USE IN THE NEW DESIGN. PAVERS THAT ARE REMOVED SHALL BE CLEANED AND NEATLY STACKED/STORED IN A LOCATION DESIGNATED BY THE ROADSIDE ENVIRONMENTAL ENGINEER UNTIL NEEDED IN THE INSTALLATION PHASE.
- SEEDING AND MULCHING WILL BE APPLIED TO ALL TURF AREAS THAT ARE DISTURBED BY CONSTRUCTION AND THAT ARE NOT PLANNED TO RECEIVE NEW SOD, PLANT BEDS, OR HARDSCAPES. (ZOYSIAGRASS MIX).
- IF ITEMS SUCH AS BENCHES, TRASH CANS, RECYCLING BINS, CIGARETTE ASHTRAYS, ETC. FALL INTO AN AREA THAT IS BEING REMOVED AND/OR RE-DESIGNED, MOVE THEM TO A HOLDING AREA AS DIRECTED BY THE ROADSIDE ENGINEER UNTIL THE FINAL INSTALLATION PHASE.
- DEMOLITION, REMOVAL, AND DISPOSAL OF ITEMS FROM THE SITE MUST BE COMPLETELY IN ACCORDANCE WITH THE LAW. THE CONTRACTOR IS RESPONSIBLE FOR MAKING A SITE VISIT TO DETERMINE AND VERIFY ALL DEMOLITION REQUIREMENTS PRIOR TO BIDDING.



NCDOT - ROADSIDE ENVIRONMENTAL UNIT
LANDSCAPE DESIGN & DEVELOPMENT
1557 MAIL SERVICE CENTER RALEIGH NC 27699-1557
PH: 919-707-2935 FAX: 919-715-2554
[HTTP://WWW.NCDOT.ORG/DOH/OPERATIONS/DP_CHIEF_ENG/ROADSIDE/](http://www.ncdot.org/DOH/OPERATIONS/DP_CHIEF_ENG/ROADSIDE/)

NORTHAMPTON WELCOME CENTER
NORTHAMPTON COUNTY

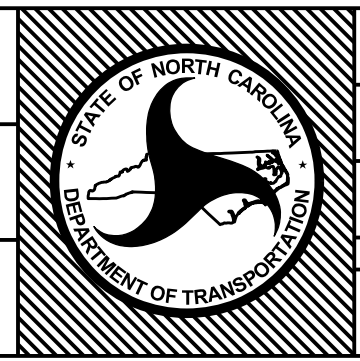
WBS #: 46305.3.58

REU DESIGNER
Kyle Cooper

STAMP: NORTH CAROLINA DEPARTMENT OF TRANSPORTATION, COUNTY OF NORTHAMPTON, NORTHAMPTON WELCOME CENTER, BUREAU OF ROADSIDE ENVIRONMENTAL ENGINEERING, BUREAU OF LANDSCAPE DESIGN & DEVELOPMENT, BUREAU OF PLANNING & DESIGN, BUREAU OF TRAFFIC ENGINEERING, BUREAU OF UTILITIES ENGINEERING, BUREAU OF WATER ENGINEERING, BUREAU OF AIR QUALITY ENGINEERING, BUREAU OF SOILS ENGINEERING, BUREAU OF GEOTECHNICAL ENGINEERING, BUREAU OF STRUCTURAL ENGINEERING, BUREAU OF ELECTRICAL ENGINEERING, BUREAU OF MECHANICAL ENGINEERING, BUREAU OF CHEMICAL ENGINEERING, BUREAU OF ENVIRONMENTAL ENGINEERING, BUREAU OF SAFETY ENGINEERING, BUREAU OF SECURITY ENGINEERING, BUREAU OF INFORMATION TECHNOLOGY ENGINEERING, BUREAU OF LEGAL COUNSEL, BUREAU OF PUBLIC AFFAIRS, BUREAU OF COMMUNITY DEVELOPMENT, BUREAU OF ECONOMIC DEVELOPMENT, BUREAU OF HISTORIC PRESERVATION, BUREAU OF ARCHITECTURE, BUREAU OF INTERIOR DESIGN, BUREAU OF LANDSCAPE ARCHITECTURE, BUREAU OF PLANNING & DESIGN, BUREAU OF TRAFFIC ENGINEERING, BUREAU OF UTILITIES ENGINEERING, BUREAU OF WATER ENGINEERING, BUREAU OF AIR QUALITY ENGINEERING, BUREAU OF SOILS ENGINEERING, BUREAU OF GEOTECHNICAL ENGINEERING, BUREAU OF STRUCTURAL ENGINEERING, BUREAU OF ELECTRICAL ENGINEERING, BUREAU OF MECHANICAL ENGINEERING, BUREAU OF CHEMICAL ENGINEERING, BUREAU OF ENVIRONMENTAL ENGINEERING, BUREAU OF SAFETY ENGINEERING, BUREAU OF SECURITY ENGINEERING, BUREAU OF INFORMATION TECHNOLOGY ENGINEERING, BUREAU OF LEGAL COUNSEL, BUREAU OF PUBLIC AFFAIRS, BUREAU OF COMMUNITY DEVELOPMENT, BUREAU OF ECONOMIC DEVELOPMENT, BUREAU OF HISTORIC PRESERVATION, BUREAU OF ARCHITECTURE, BUREAU OF INTERIOR DESIGN, BUREAU OF LANDSCAPE ARCHITECTURE

PREL. DESIGN DATE :	JUNE 2018
CHECKED BY & DATE :	B.KOPETSKY 9/25
FINAL DESIGN DATE :	JULY 11, 2018

DEMOLITION PLAN
LANDSCAPE PLAN SHEET








T.I.P. #	-----
WBS #	46305.3.58
FED I.D. #	
SHEET NO. :	L-2
TOTAL SHEET NO. :	L-23







MATCH LINE L-2 & L-3



FLAG POLE

-  GARBAGE/ RECYCLING BINS
-  INFORMATION SIGNS
-  LIGHT FIXTURES
-  PICNIC TABLE
-  REMOVE EXISTING BRICK PAVING

-  INFORMATION SIGN
 LIGHT FIXTURES
 PICNIC TABLE
 REMOVE EXISTING

- | | |
|---|--------------------------|
|  | REMOVE EXISTING SIDEWALK |
|  | REMOVE EXISTING TREE |
|  | TREE |
|  | UTILITY BOX |
|  | VEGETATION |

EXISTING CONDITIONS SHOWN ON THE PLANS BASED ON SURVEY INFORMATION AND FIELD NOTES. ACTUAL SITE CONDITIONS MAY VARY.

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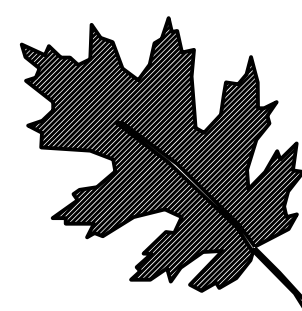
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- SEEDING AND MULCHING WILL BE APPLIED TO ALL TURT AREAS THAT ARE DISTURBED BY CONSTRUCTION AND THAT ARE NOT PLANNED TO RECEIVE NEW SOD, PLANT BEDS, OR HARDSCAPES. (ZOYSIAGRASS MIX).

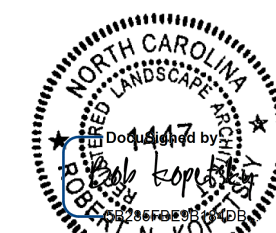
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- DEMOLITION, REMOVAL, AND DISPOSAL OF ITEMS FROM THE SITE MUST BE COMPLETELY IN ACCORDANCE WITH THE LAW. THE CONTRACTOR IS RESPONSIBLE FOR MAKING A SITE VISIT TO DETERMINE AND VERIFY ALL DEMOLITION REQUIREMENTS PRIOR TO BIDDING.




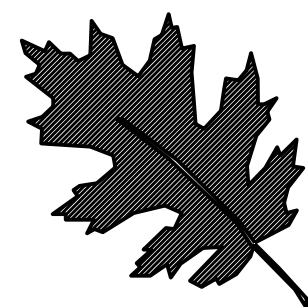
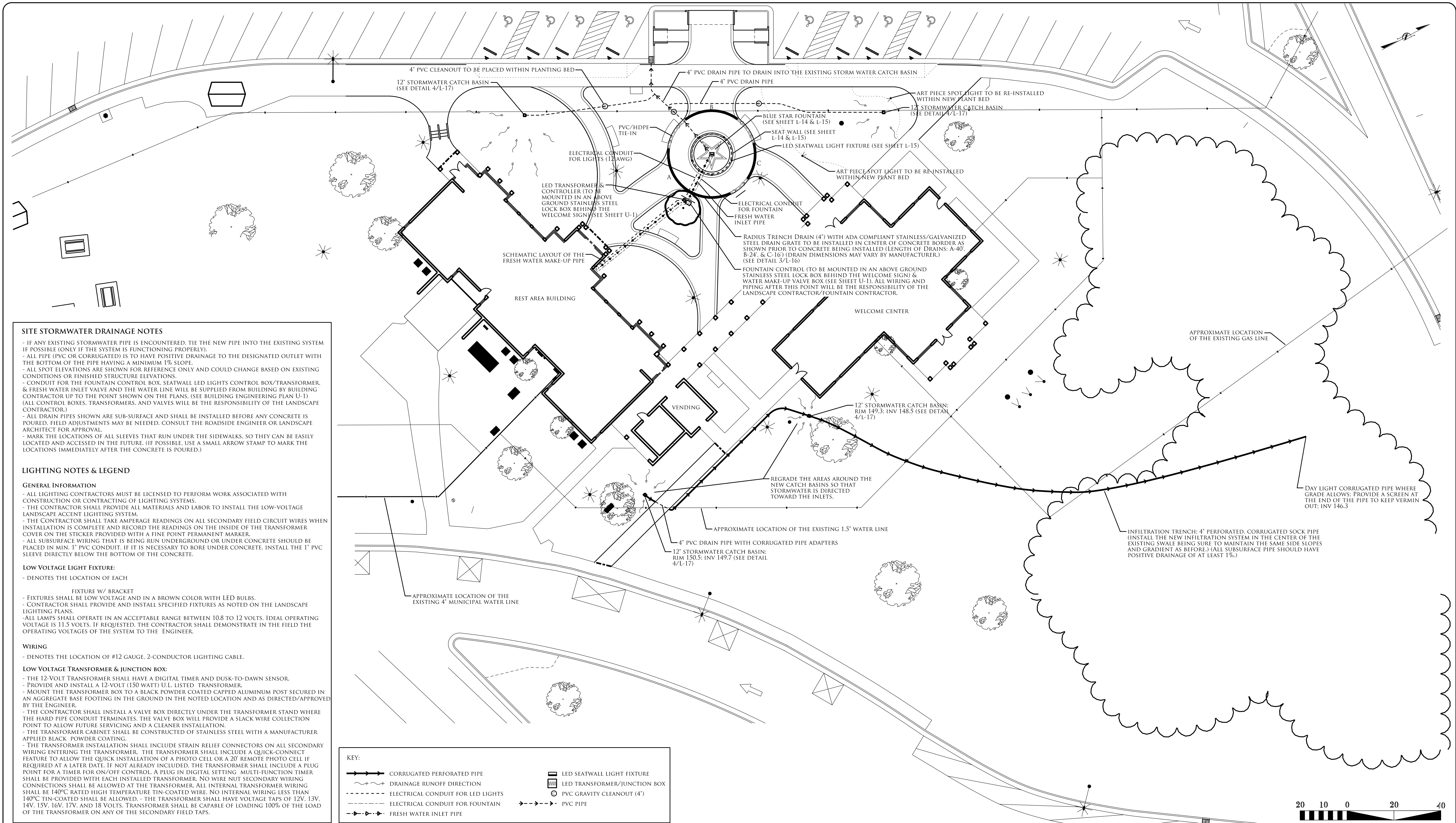
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WBS #: 46305.3.58




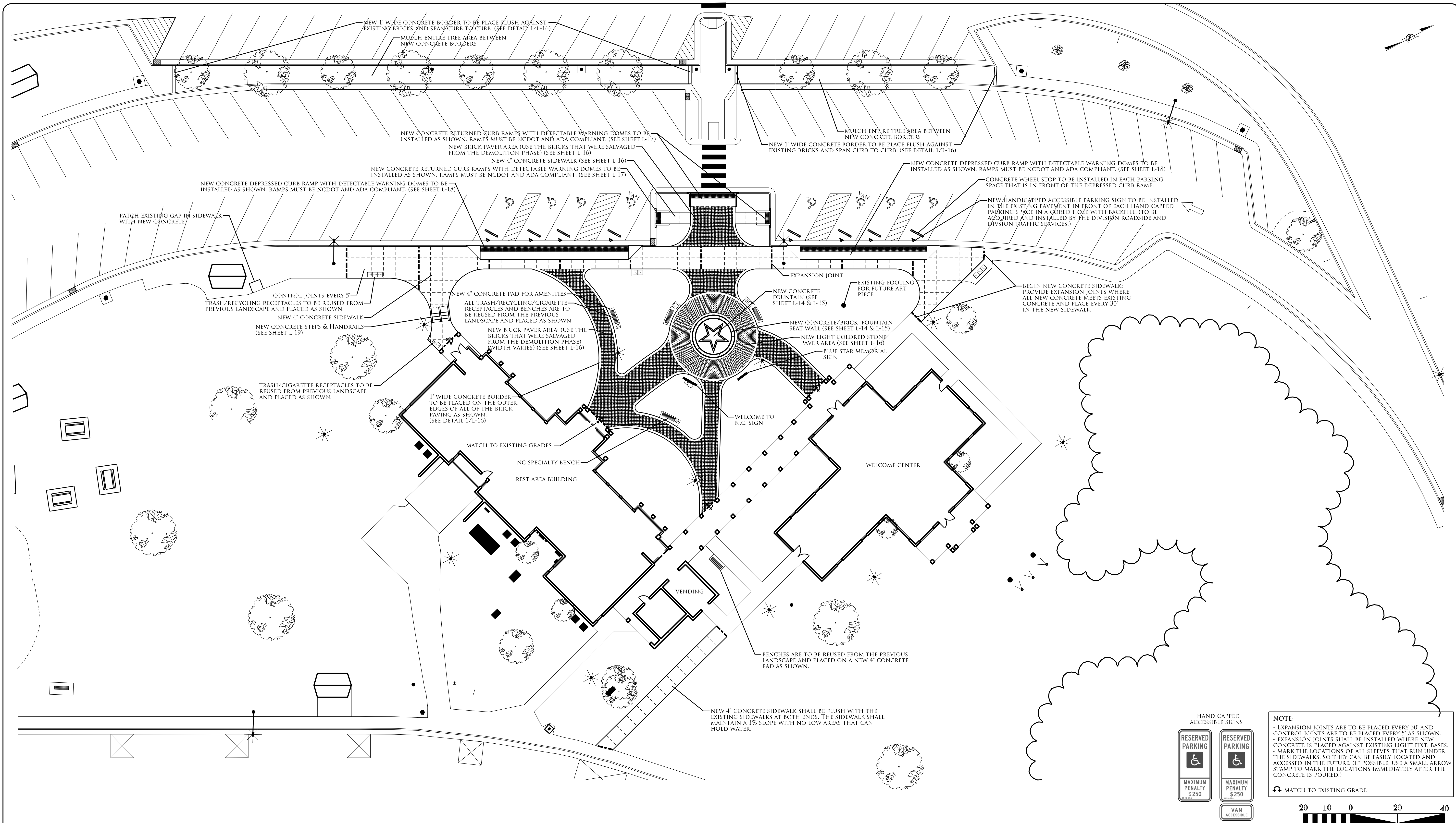
REU. DESIGNER
Kyle Cooper

SHEET DESCRIPTION:	PREL. DESIGN DATE : JUNE 2018	DEMOLITION PLAN		T.I.P. # - - - - -	
	CHECKED BY & DATE : B.KOPETSKY 9/25	LANDSCAPE PLAN SHEET		WBS # 46305.3.58	
	FINAL DESIGN DATE : JULY 11, 2018			FED I.D. #	
				SHEET NO. : I-3	TOTAL SHEET NO. : I-2



NORTHAMPTON WELCOME CENTER
NORTHAMPTON COUNTY

SHEET DESCRIPTION:	PREL. DESIGN DATE : JUNE 2018	DRAINAGE/UTILITIES PLAN		T.I.P. # - - - - -	
	CHECKED BY & DATE : B.KOPETSKY 9/25	LANDSCAPE PLAN SHEET		WBS # 46305.3.58	
	FINAL DESIGN DATE : JULY 11, 2018			FED I.D. #	
				SHEET NO : L-4	TOTAL SHEET NO : L-23



HANDICAPPED ACCESSIBLE SIGNS

RESERVED PARKING
MAXIMUM PENALTY \$250

RESERVED PARKING
MAXIMUM PENALTY \$250

VAN ACCESSIBLE

NOTE:

- EXPANSION JOINTS ARE TO BE PLACED EVERY 30' AND CONTROL JOINTS ARE TO BE PLACED EVERY 5' AS SHOWN.
- EXPANSION JOINTS SHALL BE INSTALLED WHERE NEW CONCRETE IS PLACED AGAINST EXISTING LIGHT FIXT. BASES.
- MARK THE LOCATIONS OF ALL SLEEVES THAT RUN UNDER THE SIDEWALKS, SO THEY CAN BE EASILY LOCATED AND ACCESSED IN THE FUTURE. (IF POSSIBLE, USE A SMALL ARROW STAMP TO MARK THE LOCATIONS IMMEDIATELY AFTER THE CONCRETE IS POURED.)

MATCH TO EXISTING GRADE

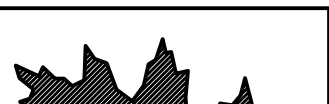



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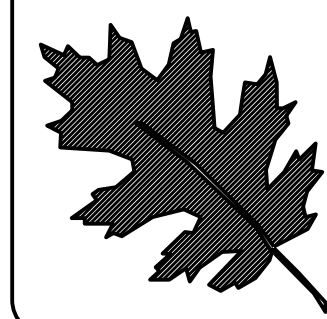
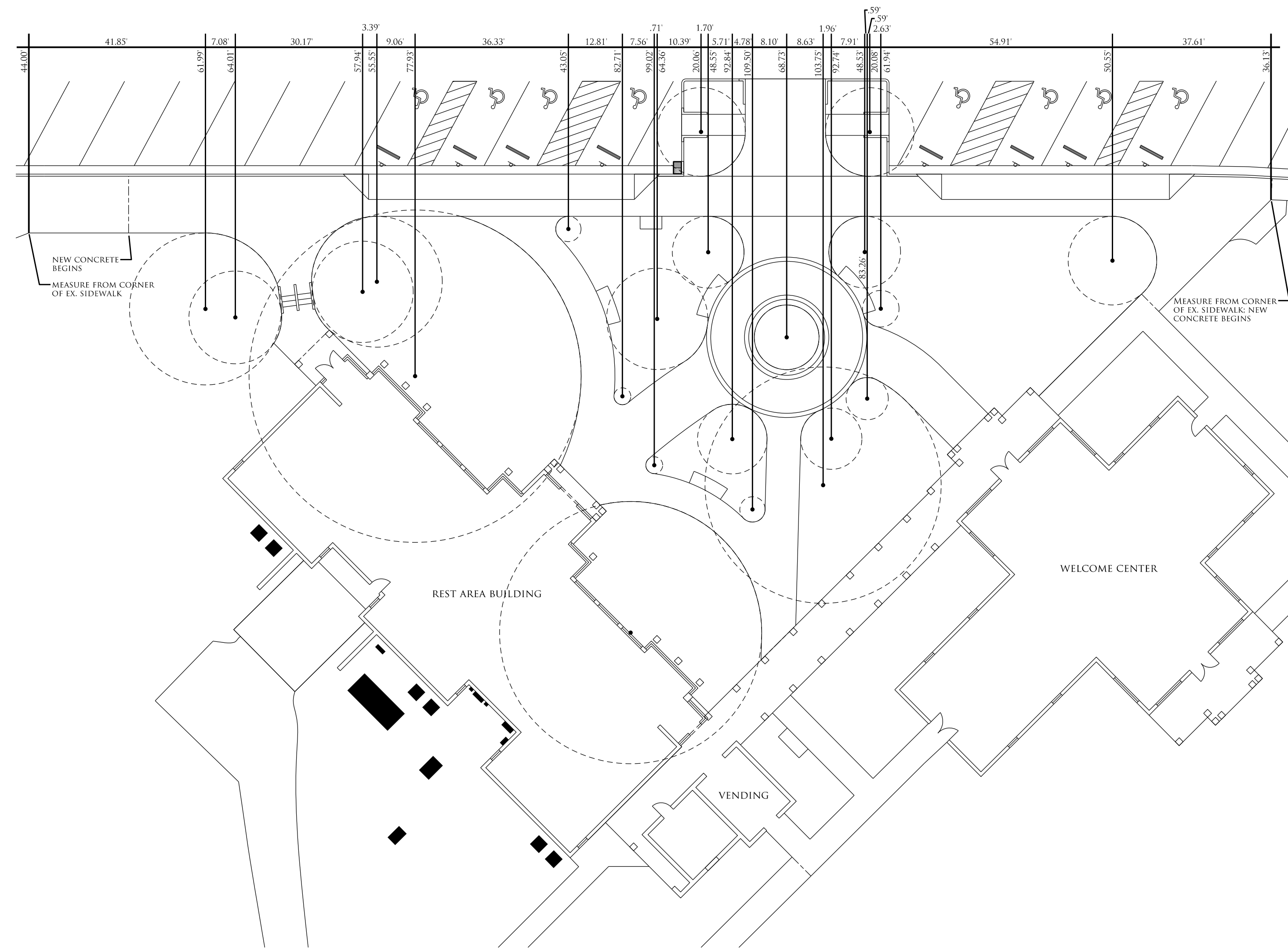
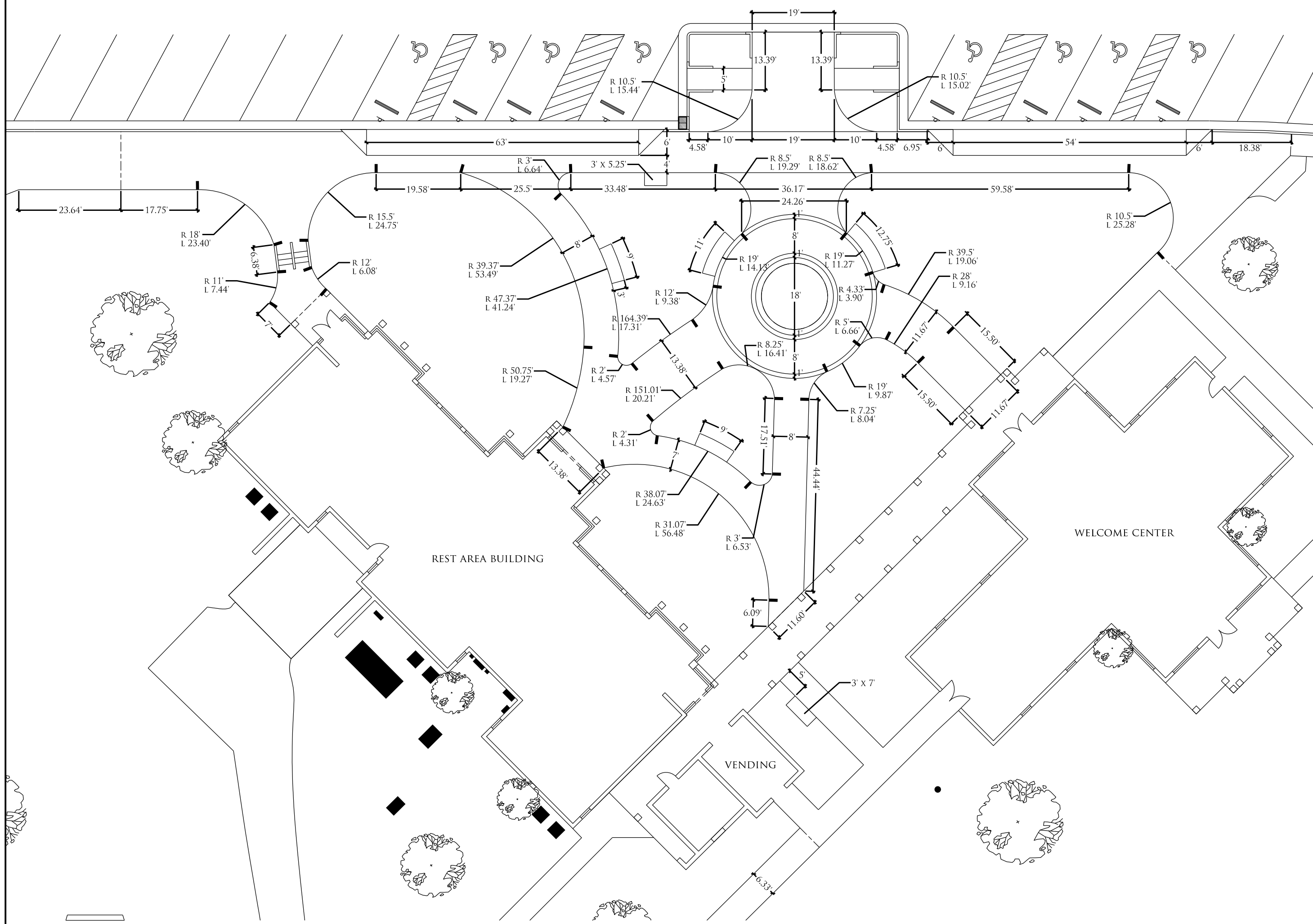
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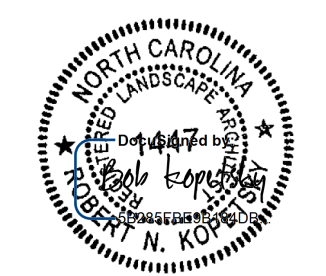
	NCDOT - ROADSIDE ENVIRONMENTAL UNIT LANDSCAPE DESIGN & DEVELOPMENT 1557 MAIL SERVICE CENTER RALEIGH NC 27699-1557 PH: 919-707-2935 FAX: 919-715-2554 HTTP://WWW.NCDOT.ORG/DOH/OPERATIONS/DP_CHIEF_ENG/ROADSIDE/	NORTHAMPTON WELCOME CENTER NORTHAMPTON COUNTY WBS #: 46305.3.58	 REU DESIGNER 	SHEET DESCRIPTION:	PREL. DESIGN DATE : JUNE 2018	HARDSCAPES PLAN		T.I.P. # - - - - -
				CHECKED BY & DATE : B.KOPETSKY 9/25	LANDSCAPE PLAN SHEET	WBS # 46305.3.58		
				FINAL DESIGN DATE : JULY 11, 2018		FED I.D. #		
						SHEET NO : L-6		TOTAL SHEET NO : L-23



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NORTHAMPTON WELCOME CENTER
NORTHAMPTON COUNTY

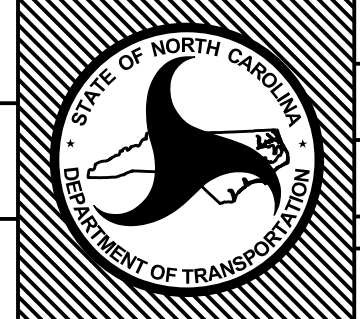
WBS #: 46305.3.58



DESIGNER
Kyle Cooper

SHEET DESCRIPTION:	PREL. DESIGN DATE :	JUNE 2018
	CHECKED BY & DATE :	B.KOPETSKY 9/25
	FINAL DESIGN DATE :	JULY 11, 2018

DIMENSIONING PLAN
LANDSCAPE PLAN SHEET



T.I.P. #	-----
WBS #	46305.3.58
FED I.D. #	
SHEET NO. :	TOTAL SHEET NO. :
L-7	L-23

MATCH LINE L-4 & L-5

MATCH LINE L-4 & L-5

QUADRANT A

QUADRANT C

QUADRANT B

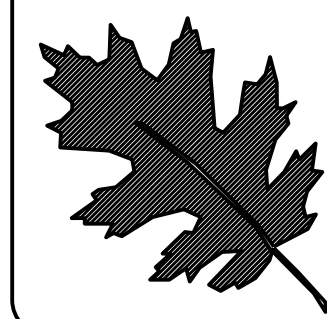
QUADRANT D

REST AREA BUILDING

WELCOME CENTER

VENDING

NOTES:
- THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AT THE JOB SITE PRIOR TO CONSTRUCTION, AND IF DISCREPANCIES ARE FOUND, NOTIFY THE DIVISION ROADSIDE ENVIRONMENTAL ENGINEER FOR CLARIFICATION.
- USE CLASS-II CONCRETE FOR ALL SIDEWALKS, ADA RAMPS, DRIVEWAYS, SEAT WALLS, FOOTINGS, AND PADS FOR ALL AMENITIES.
- ALL BENCHES AND TRASH, RECYCLING, AND CIGARETTE RECEPTACLES SHALL BE SECURELY MOUNTED TO THE CONCRETE SIDEWALK /PAD SURFACES WITH HOT-DIPPED, GALVANIZED CONCRETE BOLT ANCHORS WHERE DESIGNATED ON THE PLANS.



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NORTHAMPTON WELCOME CENTER
NORTHAMPTON COUNTY

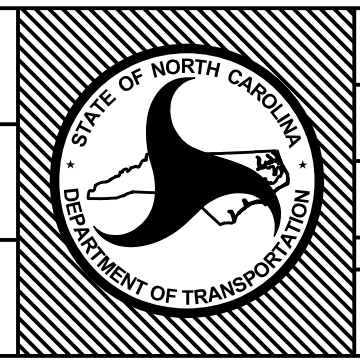
WBS #: 46305.3.58



DESIGNER
Kyle Cooper

PREL. DESIGN DATE :	JUNE 2018
CHECKED BY & DATE :	B.KOPETSKY 9/25
FINAL DESIGN DATE :	JULY 11, 2018

PLANTING PLAN
LANDSCAPE PLAN SHEET

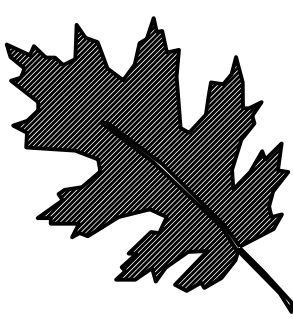


T.I.P. #	-----
WBS #	46305.3.58
FED I.D. #	
SHEET NO. :	L-9
TOTAL SHEET NO. :	L-23

QTY	KEY	BOTANICAL NAME	COMMON NAME	SPACING
1	AS	ACER PALMATUM 'SEIRYU'	SEIRYU JAPANESE MAPLE	AS SHOWN
12	BB	BUDDLEIA 'BLUE CHIP'	LO & BEHOLD' BLUE CHIP BUTTERFLY BUSH	2.5' O.C.
17	EM	ECHINACEA PURPUREA 'MAGNUS'	MAGNUS PURPLE CONEFLOWER	1.5' O.C.
14	EW	ECHINACEA PURPUREA 'PAS702918'	POW'WOW WHITE' CONEFLOWER	1.5' O.C.
4	HA	HYDRANGEA ARBORESCENS 'ANNABELLE'	ANNABELLE SMOOTH HYDRANGEA	AS SHOWN
19	HC	HEUCHERA 'CARAMEL'	CARAMEL CORAL BELLS	1.5' O.C.
66	HD	HEMEROCALLIS X 'STELLA DE ORO'	STELLA DE ORO DWARF DAYLILY	1.75' O.C.
3	HI	HYDRANGEA ARBORESCENS 'NCHAI'	INVINCIBELLE' SPIRIT SMOOTH HYDRANGEA	AS SHOWN
186	HM	HEMEROCALLIS X 'PARDON ME'	PARDON ME DAYLILY	1.75' O.C.
31	IB	ILEX VOMITORIA 'CONDEAUX'	BORDEAUX' DWARF YAUPON HOLLY	2.5' O.C.
12	IL	ITEA VIRGINICA 'SPRICH'	LITTLE HENRY' DWARF VIRGINIA SWEETSPICE	3' O.C.
6	IR	ILEX VERTICILLATA 'RED SPRITE'	RED SPRITE WINTERBERRY	3' O.C.
250	LB	LIRIOPE MUSCARI 'BIG BLUE'	BIG BLUE LILYTURF	1' O.C.
3	LM	LAGERSTROEMIA INDICA X FAURIEI 'MUSKOGEE'	MUSKOGEE GRAPE MYRTLE	STANDARD: 10' O.C.
1	MA	MAGNOLIA X SOULANGIANA 'ALEXANDRINA'	ALEXANDER MAGNOLIA	AS SHOWN
43	MC	MUHLENBERGIA CAPILLARIS	PINK MUHLY GRASS	3' O.C.
139	OJ	OPHIPOGON JAPONICUS 'NANA'	DWARF MONDO GRASS	7' O.C.
82	PE	PHLOX SUBULATA 'EMERALD BLUE'	EMERALD BLUE CREEPING PHLOX	15' O.C.
2	RO	ROSMARINUS OFFICINALIS 'BARBECUE'	BARBECUE ROSEMARY	AS SHOWN
30	SA	SEDUM SPECTABILE 'AUTUMN JOY'	AUTUMN JOY SEDUM	1.75' O.C.
47	SL	SEDUM SPECTABILE 'LEMONJADE'	SEDUM ROCK 'N' GROW' 'LEMONJADE'	1.25' O.C.
25	SM	SEDUM MEXICANUM 'LEMON BALL'	LEMON BALL SEDUM	10' O.C.
134	SP	SEDUM SPECTABILE 'PURE JOY'	SEDUM ROCK 'N' GROW' 'PURE JOY'	10' O.C.
6	ST	SCHIZACHYRIUM SCOPARIUM 'TWILIGHT ZONE'	TWILIGHT ZONE LITTLE BLUESTEM	1.75' O.C.
2	TS	THUJA OCCIDENTALIS 'SMARAGD'	EMERALD GREEN ARBORVITAE	AS SHOWN
258 SQYDS	ZO	ZOYSIA 'ZENITH'	ZENITH ZOYSIAGRASS	TIGHT SEAMS

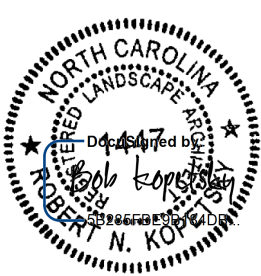


NOTES:
THE CONDUIT AND WATER LINE FOR THE FOUNTAIN CONTROL BOX, SEATWALL LED LIGHTS CONTROL BOX, & FRESH WATER INLET VALVE WILL BE SUPPLIED FROM THE BUILDING BY BUILDING CONTRACTOR TO A SET OF IN-GROUND BOXES LOCATED BEHIND THE NEWLY RELOCATED WELCOME TO NC SIGN.

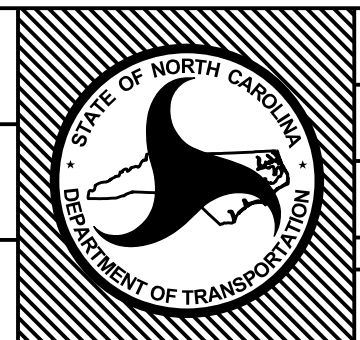


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LANDSCAPE DESIGN & DEVELOPMENT
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NORTHAMPTON COUNTY
WBS #: 46305.3.58

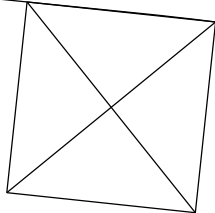
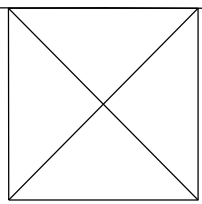
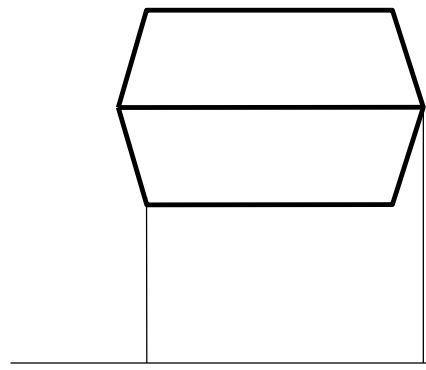
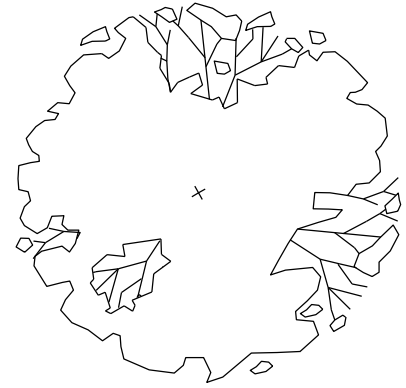


REU DESIGNER
Kyle Cooper

SHEET DESCRIPTION:	PREL. DESIGN DATE :	JUNE 2018		T.I.P. #	-----
	CHECKED BY & DATE :	B.KOPETSKY 9/25		WBS #	46305.3.58
	FINAL DESIGN DATE :	JULY 11, 2018		FED I.D. #	
				SHEET NO.:	TOTAL SHEET NO.:
				L-10	L-23

PLANTING PLAN QUAD. A
LANDSCAPE PLAN SHEET

MATCHLINE L-10 & L-11



QTY	KEY	BOTANICAL NAME	COMMON NAME	SPACING
1	AS	ACER PALMATUM 'SEIRYU'	SEIRYU JAPANESE MAPLE	AS SHOWN
3	EW	ECHINACEA PURPUREA 'PASTORALIS'	POW-WOW WHITE CONEFLOWER	1.5' O.C.
6	HA	HYDRANGEA ARBORESCENS 'ANNABELLE'	ANNABELLE SMOOTH HYDRANGEA	AS SHOWN
80	HD	HEMEROCALLIS X 'STELLA DE ORO'	STELLA DE ORO DWARF DAYLILY	1.75' O.C.
7	HG	HOSTA X 'GUACAMOLE'	GUACAMOLE PLANTAIN LILY	AS SHOWN
4	HI	HYDRANGEA ARBORESCENS 'NCHAI'	INVINCIBELLE SPIRIT SMOOTH HYDRANGEA	AS SHOWN
40	HM	HEMEROCALLIS X 'PARDON ME'	PARDON ME DAYLILY	1.75' O.C.
6	HS	HEUCHERA X 'SUGAR PLUM'	SUGAR PLUM CORAL BELLS	1.25' O.C.
26	IB	ILEX VOMITORIA 'CONDEAUX'	BORDEAUX DWARF YAU-PON HOLLY	2.5' O.C.
9	IL	ITEA VIRGINICA 'SPRICH'	LITTLE HENRY DWARF VIRGINIA SWEETSPICE	3' O.C.
155	LB	LIRIOPE MUSCARI 'BIG BLUE'	BIG BLUE LILYTURF	1' O.C.
63	MC	MUHLENBERGIA CAPILLARIS	PINK MUHLY GRASS	3' O.C.
5	RP	RHODENDRON 'CONLEP'	ENCORE AUTUMN CHEER AZALEA	3' O.C.
1	RW	RHODENDRON 'CONLEP'	ENCORE AUTUMN TWIST AZALEA	AS SHOWN
6	SA	SEDUM SPECTABILE 'AUTUMN JOY'	AUTUMN JOY SEDUM	1.75' O.C.
36	SL	SEDUM SPECTABILE 'LEMONJADE'	SEDUM ROCK 'N' GROW 'LEMONJADE'	1.25' O.C.
87	SP	SEDUM SPECTABILE 'PURE JOY'	SEDUM ROCK 'N' GROW 'PURE JOY'	10' O.C.
2	ST	SCHIZACHYRIUM SCOPARIUM 'TWILIGHT ZONE'	TWILIGHT ZONE LITTLE BLUESTEM	1.75' O.C.
2	TS	THUJA OCCIDENTALIS 'SMARAGD'	EMERALD GREEN ARBORVITAE	AS SHOWN
169 SQYDS	ZO	ZOYSIA 'ZENITH'	ZENITH ZOYSIAGRASS	TIGHT SEAMS



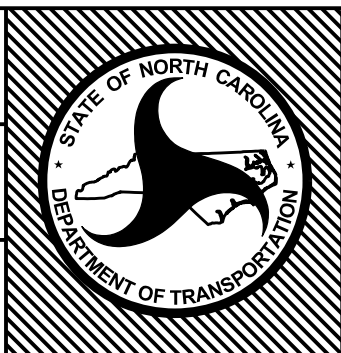
NORTHAMPTON WELCOME CENTER
NORTHAMPTON COUNTY

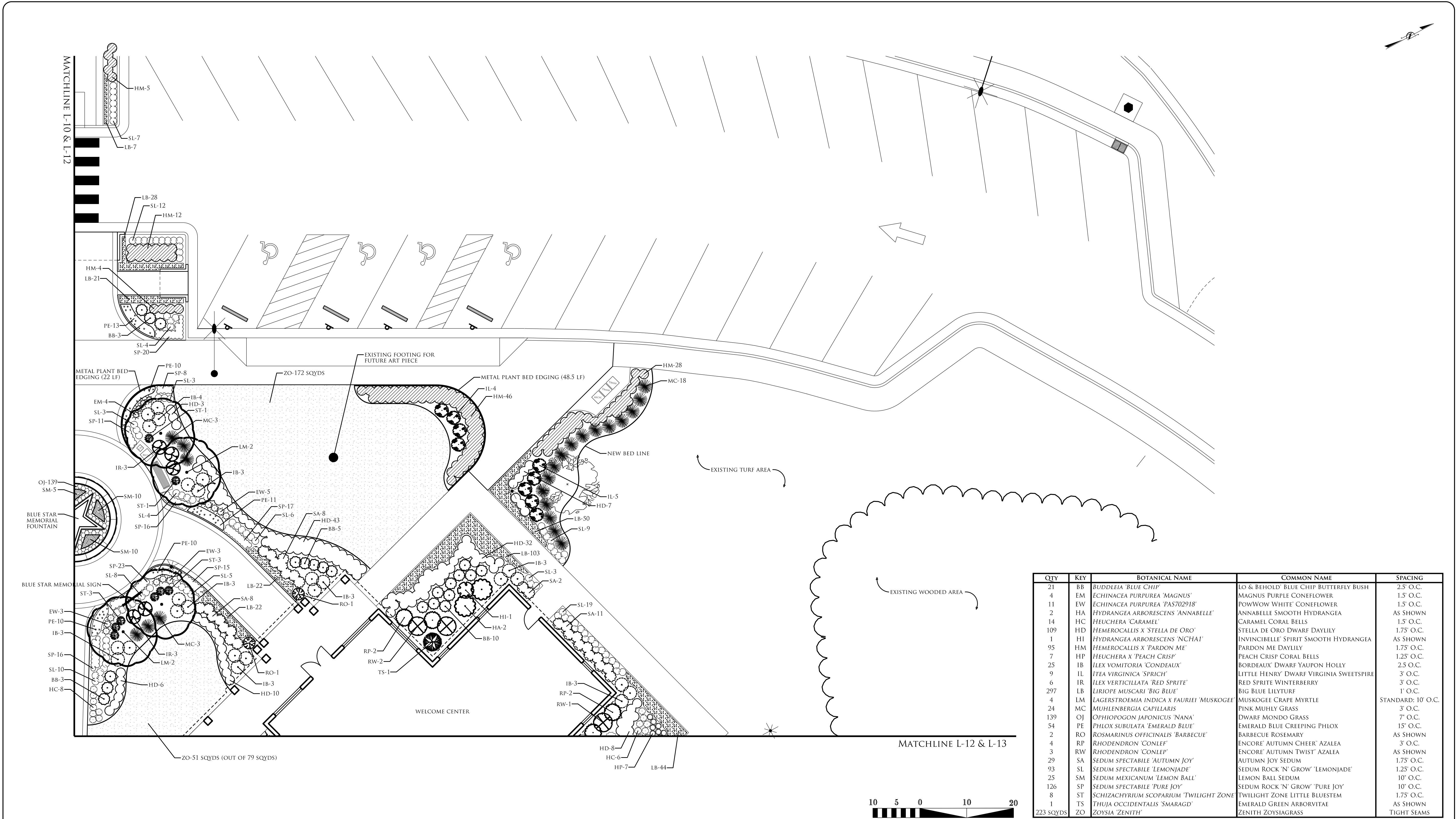
WBS #: 46305.3.58




DESIGNER
KYLE COOPER

SHEET DESCRIPTION:	PREL. DESIGN DATE:	JUNE 2018	PLANTING PLAN QUAD. B	T.I.P. #	-----	
	CHECKED BY & DATE:	B.KOPETSKY 9/25			WBS #	46305.3.58
	FINAL DESIGN DATE:	JULY 11, 2018			FED I.D. #	
					SHEET NO.:	TOTAL SHEET NO.:
					L-11	L-23





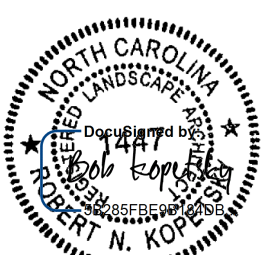
QTY	KEY	BOTANICAL NAME	COMMON NAME	SPACING
21	BB	BUDDLEIA 'BLUE CHIP'	LO & BEHOLD' BLUE CHIP BUTTERFLY BUSH	2.5' O.C.
4	EM	ECHINACEA PURPUREA 'MAGNUS'	MAGNUS PURPLE CONEFLOWER	1.5' O.C.
11	EW	ECHINACEA PURPUREA 'PAS702918'	POW WOW WHITE' CONEFLOWER	1.5' O.C.
2	HA	HYDRANGEA ARBORESCENS 'ANNABELLE'	ANNABELLE SMOOTH HYDRANGEA	AS SHOWN
14	HC	HEUCHERA 'CARAMEL'	CARAMEL CORAL BELLS	1.5' O.C.
109	HD	HEMEROCALLIS X 'STELLA DE ORO'	STELLA DE ORO DWARF DAYLILY	1.75' O.C.
1	HI	HYDRANGEA ARBORESCENS 'NCHAT'	INVINCIBELLE SPIRIT SMOOTH HYDRANGEA	AS SHOWN
95	HM	HEMEROCALLIS X 'PARDON ME'	PARDON ME DAYLILY	1.75' O.C.
7	HP	HEUCHERA X 'PEACH CRISP'	PEACH CRISP CORAL BELLS	1.25' O.C.
25	IB	ILEX VOMITORIA 'CONDEAUX'	BORDEAUX DWARF YAUPON HOLLY	2.5 O.C.
9	IL	ILEX VIRGINICA 'SPRICH'	LITTLE HENRY DWARF VIRGINIA SWEETSPICE	3' O.C.
6	IR	ILEX VERTICILLATA 'RED SPRITE'	RED SPRITE WINTERBERRY	3' O.C.
297	LB	LIRIOPE MUSCARI 'BIG BLUE'	BIG BLUE LILYTURF	1' O.C.
4	LM	LAGERSTROEMIA INDICA X FAURIEI 'MUSKOGEE'	MUSKOGEE CRAPE MYRTLE	STANDARD: 10' O.C.
24	MC	MUHLENBERGIA CAPILLARIS	PINK MUHLY GRASS	3' O.C.
139	OJ	OPHIOPOGON JAPONICUS 'NANA'	DWARF MONDO GRASS	7' O.C.
54	PE	PHLOX SUBULATA 'EMERALD BLUE'	EMERALD BLUE CREEPING PHLOX	15' O.C.
2	RO	ROSMARINUS OFFICINALIS 'BARBECUE'	BARBECUE ROSEMARY	AS SHOWN
4	RP	RHODENDRON 'CONLEP'	ENCORE AUTUMN CHEER AZALEA	1.75' O.C.
3	RW	RHODENDRON 'CONLEP'	ENCORE AUTUMN TWIST AZALEA	AS SHOWN
29	SA	SEDUM SPECTABILE 'AUTUMN JOY'	AUTUMN JOY SEDUM	1.75' O.C.
93	SL	SEDUM SPECTABILE 'LEMONJADE'	SEDUM ROCK 'N' GROW 'LEMONJADE'	1.25' O.C.
25	SM	SEDUM MEXICANUM 'LEMON BALL'	LEMON BALL SEDUM	10' O.C.
126	SP	SEDUM SPECTABILE 'PURE JOY'	SEDUM ROCK 'N' GROW 'PURE JOY'	10' O.C.
8	ST	SCHIZACHYRIUM SCOPARIUM 'TWILIGHT ZONE'	TWILIGHT ZONE LITTLE BLUESTEM	1.75' O.C.
1	TS	THUJA OCCIDENTALIS 'SMARAGD'	EMERALD GREEN ARBORVITAE	AS SHOWN
223	ZO	ZOYSIA 'ZENITH'	ZENITH ZOYSIAGRASS	TIGHT SEAMS



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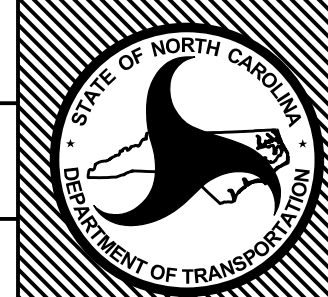
NORTHAMPTON WELCOME CENTER
NORTHAMPTON COUNTY

WBS #: 46305.3.58

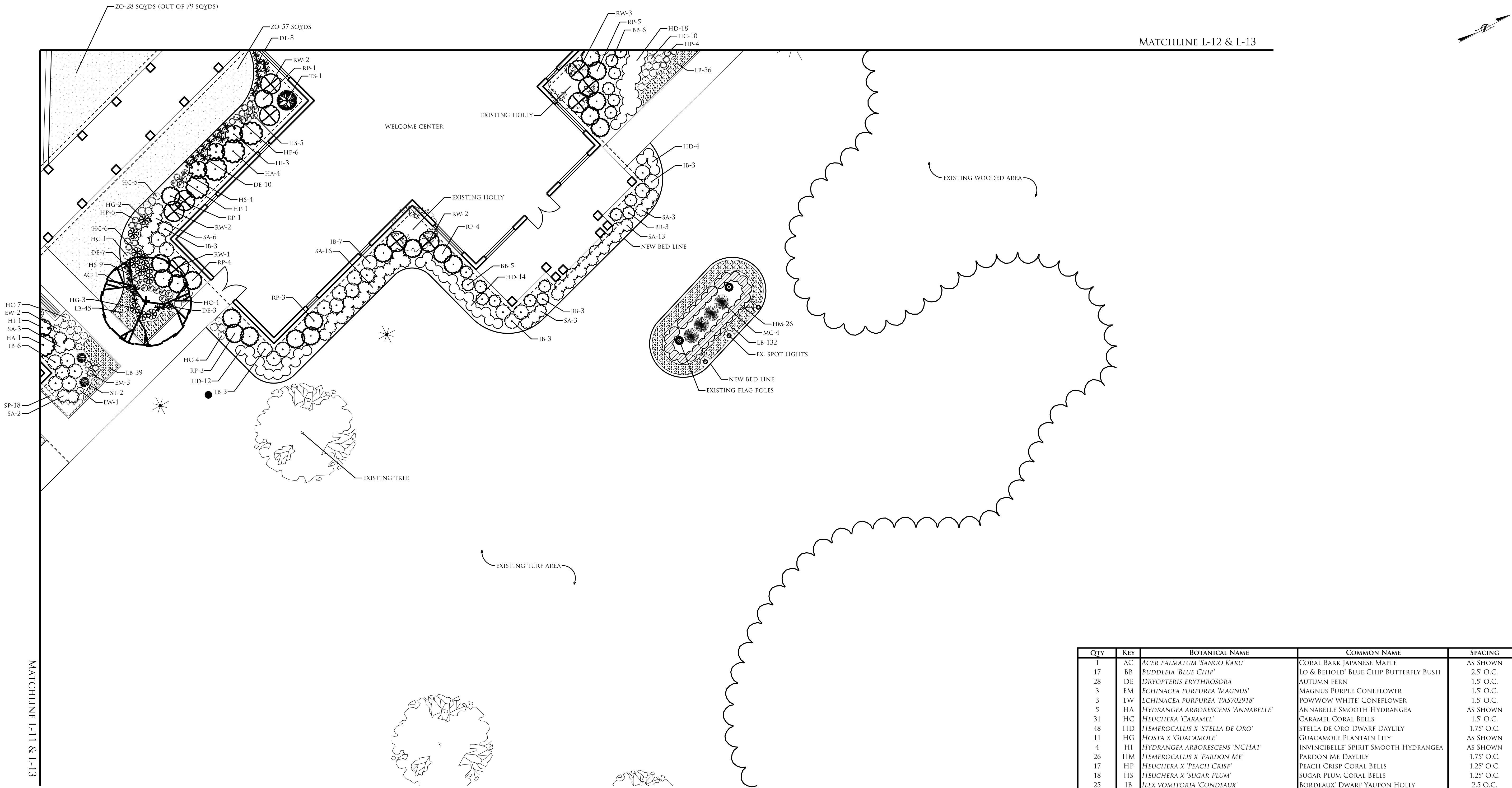


REU DESIGNER
Kyle Cooper

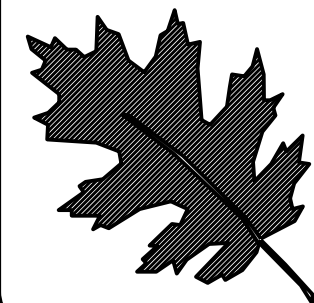
PREL. DESIGN DATE :	JUNE 2018	PLANTING PLAN QUAD. C
CHECKED BY & DATE :	B.KOPETSKY 9/25	LANDSCAPE PLAN SHEET
FINAL DESIGN DATE :	JULY 11, 2018	



T.I.P. #	-----
WBS #	46305.3.58
FED I.D. #	
SHEET NO. :	TOTAL SHEET NO. :
L-12	L-23



QTY	KEY	BOTANICAL NAME	COMMON NAME	SPACING
1	AC	ACER PALMATUM 'SANGO KAKU'	CORAL BARK JAPANESE MAPLE	AS SHOWN
17	BB	BUDDLEIA 'BLUE CHIP'	LO & BEHOLD' BLUE CHIP' BUTTERFLY BUSH	2.5' O.C.
28	DE	DRYOPTERIS ERYTHROSORA	AUTUMN FERN	1.5' O.C.
3	EM	ECHINACEA PURPUREA 'MAGNUS'	MAGNUS' PURPLE CONEFLOWER	1.5' O.C.
3	EW	ECHINACEA PURPUREA 'PAS702918'	POW'WOW WHITE' CONEFLOWER	1.5' O.C.
5	HA	HYDRANGEA ARBORESCENS 'ANNABELLE'	ANNABELLE SMOOTH HYDRANGEA	AS SHOWN
31	HC	HEUCHERA 'CAMEL'	CAMEL CORAL BELLS	1.5' O.C.
48	HD	HEMEROCALLIS X 'STELLA DE ORO'	STELLA DE ORO DWARF DAYLILY	1.75' O.C.
11	HG	HOSTA X 'GUACAMOLE'	GUACAMOLE PLANTAIN LILY	AS SHOWN
4	HI	HYDRANGEA ARBORESCENS 'NCHAI'	INVINCIBELLE' SPIRIT SMOOTH HYDRANGEA	AS SHOWN
26	HM	HEMEROCALLIS X 'PARDON ME'	PARDON ME DAYLILY	1.75' O.C.
17	HP	HEUCHERA X 'PEACH CRISP'	PEACH CRISP CORAL BELLS	1.25' O.C.
18	HS	HEUCHERA X 'SUGAR PLUM'	SUGAR PLUM CORAL BELLS	1.25' O.C.
25	IB	ILEX VOMITORIA 'CONDEAUX'	BORDEAUX' DWARF YAUPON HOLLY	2.5' O.C.
252	LB	LIRIOPE MUSCARI 'BIG BLUE'	BIG BLUE LILYTURF	1' O.C.
4	MC	MUHLENBERGIA CAPILLARIS	PINK MUHLY GRASS	3' O.C.
21	RP	RHODENDRON 'CONLEF'	ENCORE' AUTUMN CHEER' AZALEA	3' O.C.
10	RW	RHODENDRON 'CONLEF'	ENCORE' AUTUMN TWIST' AZALEA	AS SHOWN
46	SA	SEDUM SPECTABILE 'AUTUMN JOY'	AUTUMN JOY SEDUM	1.75' O.C.
18	SP	SEDUM SPECTABILE 'PURE JOY'	SEDUM ROCK 'N' GROW' 'PURE JOY'	10' O.C.
2	ST	SCHIZACHYRIUM SCOPARIUM 'TWILIGHT ZONE'	TWILIGHT ZONE LITTLE BLUESTEM	1.75' O.C.
1	TS	THUJA OCCIDENTALIS 'SMARAGD'	EMERALD GREEN ARBORVITAE	AS SHOWN
85 SQYDS	ZO	ZOYSIA 'ZENITH'	ZENITH ZOYSIAGRASS	TIGHT SEAMS



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NORTHAMPTON COUNTY

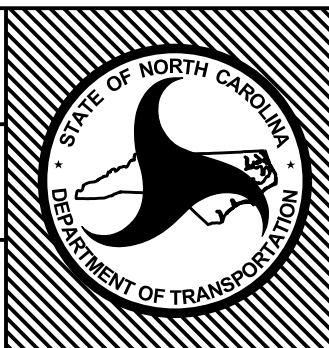
WBS #: 46305.3.58



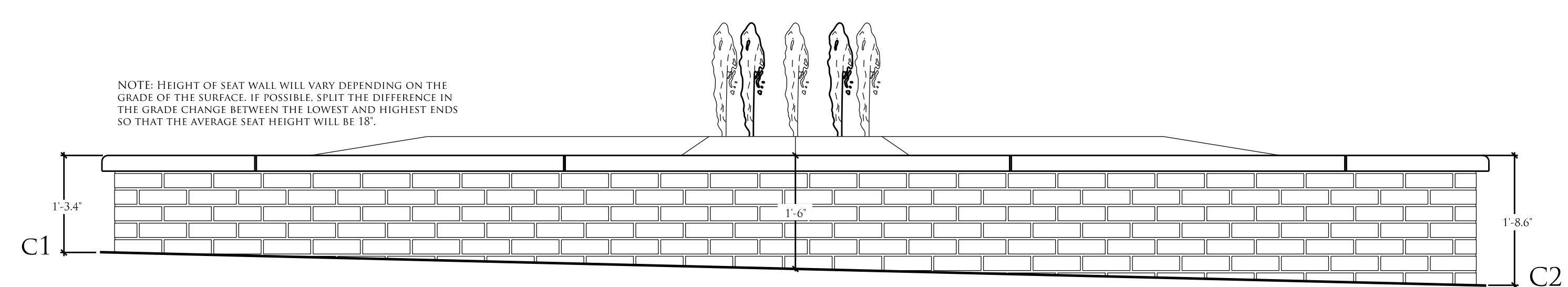
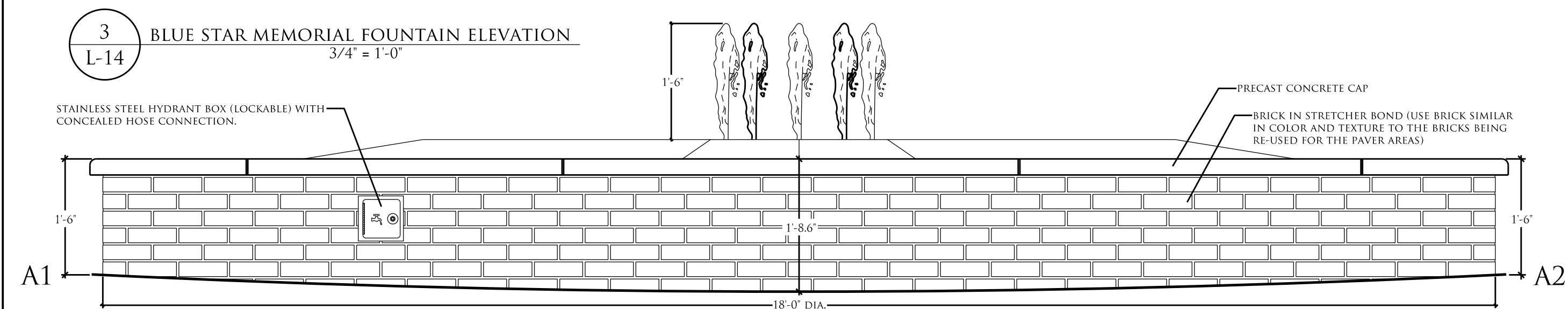
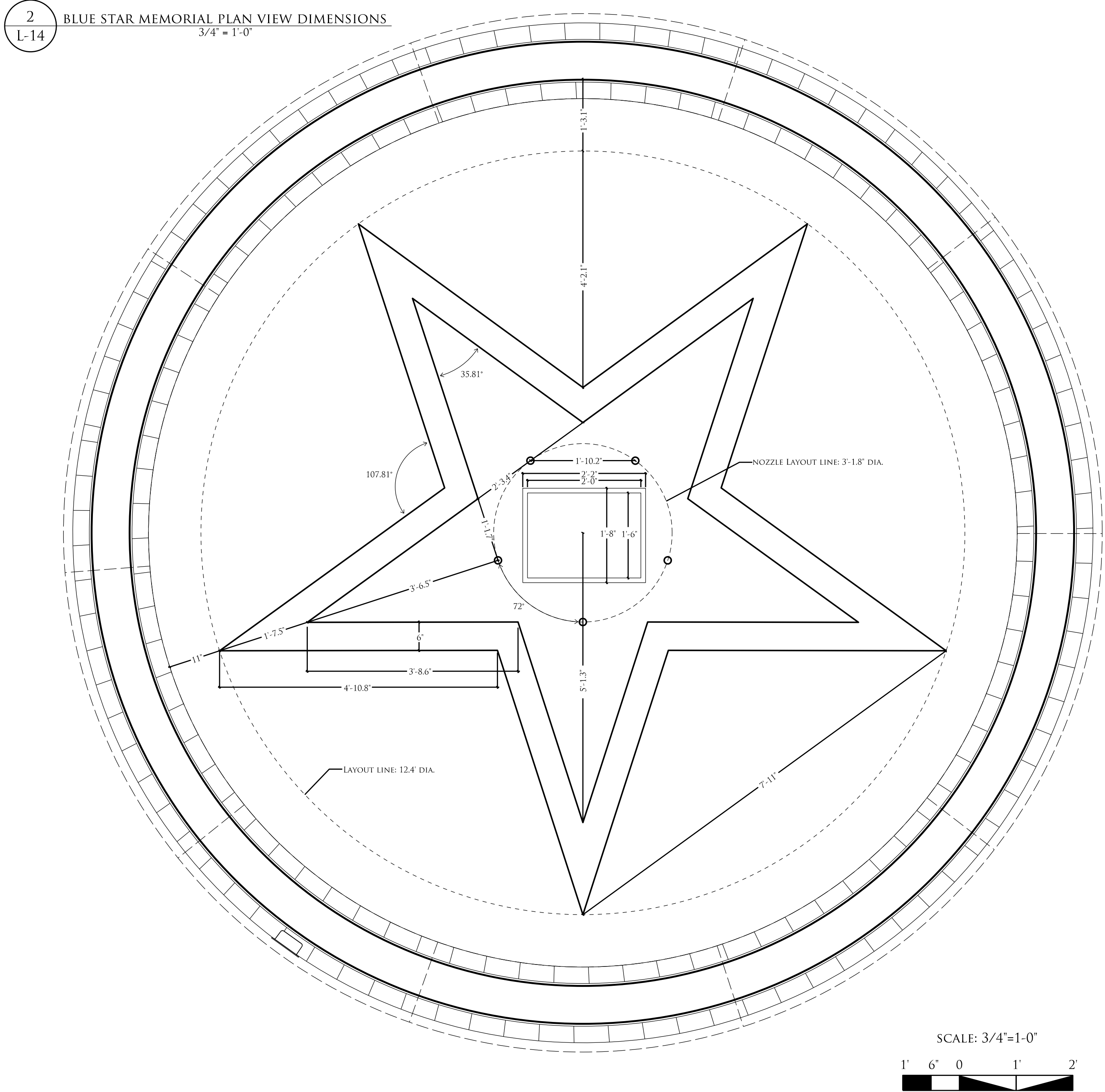
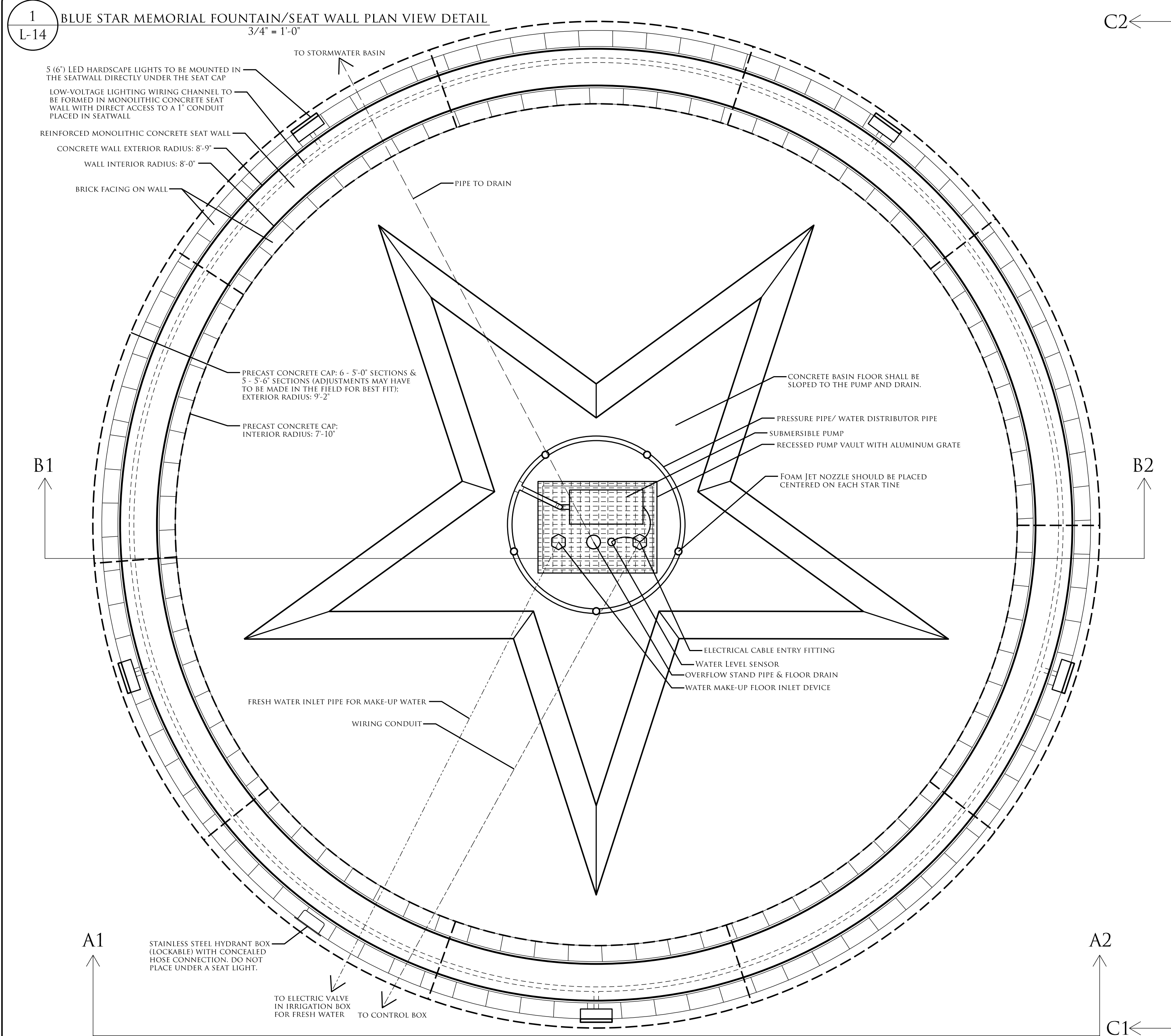
PREP. DESIGNER
Kyle Cooper



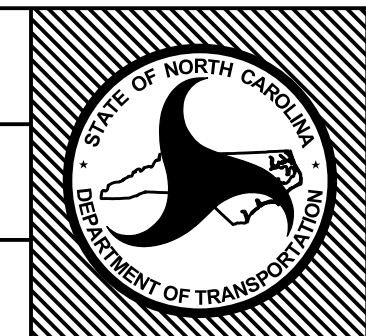
PREL. DESIGN DATE :	JUNE 2018
CHECKED BY & DATE :	B.KOPETSKY 9/25
FINAL DESIGN DATE :	JULY 11, 2018

PLANTING PLAN QUAD. D
LANDSCAPE PLAN SHEET



T.I.P. #	-----
WBS #	46305.3.58
FED I.D. #	
SHEET NO. :	L-13
TOTAL SHEET NO. :	L-23



	NCDOT - ROADSIDE ENVIRONMENTAL UNIT LANDSCAPE DESIGN & DEVELOPMENT 1557 MAIL SERVICE CENTER RALEIGH NC 27699-1557 PH: 919-707-2935 FAX: 919-715-2554 HTTP://WWW.NCDOT.ORG/DOH/OPERATIONS/DP_CHIEF_ENG/ROADSIDE/	NORTHAMPTON WELCOME CENTER NORTHAMPTON COUNTY WBS #: 46305.3.58	 DESIGNER <i>Kyle Cooper</i>	SHEET DESCRIPTION:	PREL. DESIGN DATE : JUNE 2018	CONSTRUCTION DETAILS		T.I.P. # - - - -	
				CHECKED BY & DATE : B.KOPETSKY 9/25	LANDSCAPE PLAN SHEET	WBS # 46305.3.58			
				FINAL DESIGN DATE : JULY 11, 2018		FED I.D. #			
						SHEET NO.: TOTAL SHEET NO.: L-14 L-23			

[illegible][illegible]

OVERFLOW STANDPIPE DRAIN/FLOOR DRAIN WITH STRAINER AND REMOVABLE PIPE (2" CONNECTION) (TO DRAIN)

WATER LEVEL/ CUT-OFF SENSOR

OPERATING WATER LEVEL

3/4" PRESSURE PIPE / WATER DISTRIBUTOR PIPE

5 - STAINLESS STEEL FOAM JET NOZZLES WITH 1" INLETS (18" DISPLAY HEIGHT) (5TH NOZZLE NOT SHOWN BECAUSE OF LOCATION OF SECTION CUT)

1'-0"

REMOVABLE ALUMINUM PROTECTIVE COVER GRATE

PIPE SUPPORT LEG

CONCRETE FORM SHALL HAVE A NOTCH ALONG THE ENTIRE PERIMETER OF THE VAULT SO THAT THE GRATE WILL BE SET FLUSH WITH THE BASIN FLOOR

2X1.5X1" PUMP VAULT TO BE RECESSED IN THE FLOOR IN THE CENTER OF THE FOUNTAIN

UL LISTED SUBMERSIBLE PUMP (WET MOUNTING) WITH SUCTION FILTER AND AUTOMATIC LOW-LEVEL SHUTOFF (SHOULD BE ABLE TO RECIRCULATE THE ENTIRE POOL WITHIN AN HOUR) (ALL ELECTRICAL COMPONENTS SHALL HAVE POSITIVE GROUNDING INTO THE STEEL REINFORCEMENT IN THE WALL AND HAVE A GROUND-FAULT INTERRUPTING CIRCUIT BREAKER THAT WILL TRIP SHOULD ELECTRICAL LEAKAGE OCCUR.)

6" REINFORCED MONOLITHIC CONCRETE BASIN

COMPACTED SUBGRADE

6" COMPACTED AGGREGATE (#57 STONE) BASE

CABLE ENTRY JUNCTION BOX/TITTING FOR WATER TIGHT INSERTION OF ELECTRICAL CABLES FOR THE SUBMERSIBLE PUMP (1" CONNECTION)

6" MATED FLANGES FOR WATERSTOPS

2" WASTE PIPE TO DRAIN INTO NEARBY CONCRETE STORMWATER BASIN

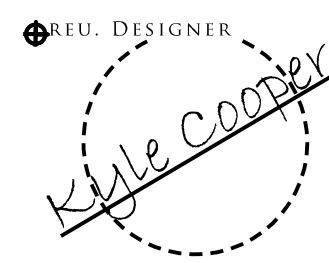
GALVANIZED LAG SHIELD ANCHORS AND LAG SCREWS TO SECURE THE SUBMERSIBLE PUMP TO THE BASIN FLOOR.

WATER MAKE-UP FLOOR INLET DEVICE WITH A 3/4" CONNECTION

NOTE:

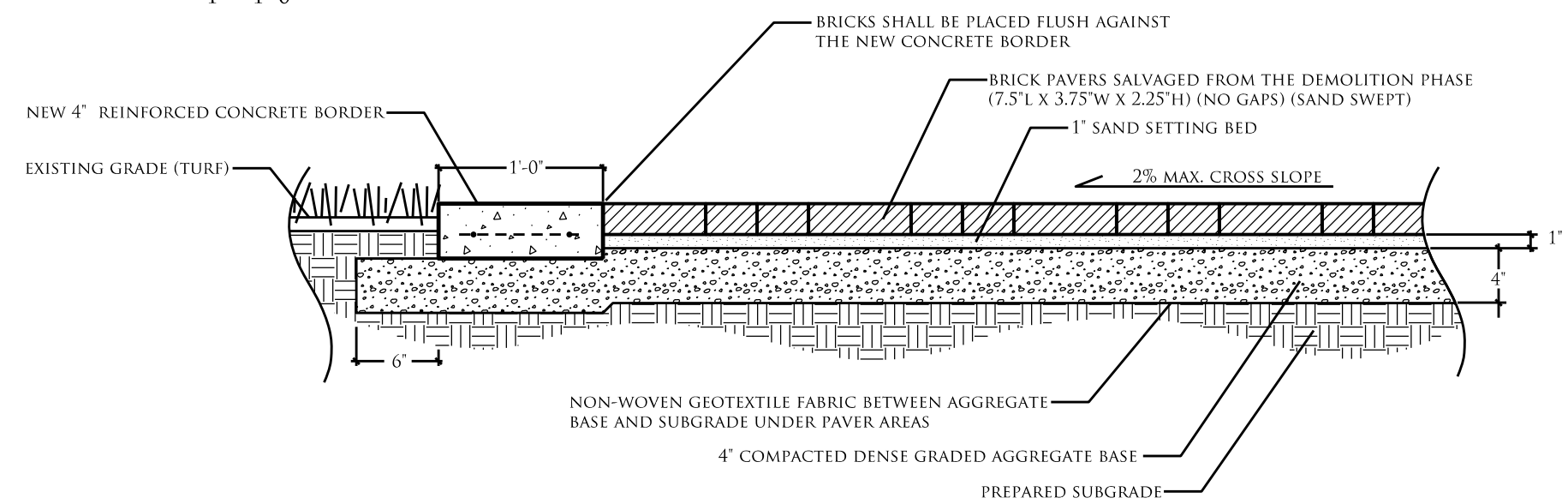
- ALL PIPING DIRECTIONS ARE SCHEMATIC IN NATURE AND MAY NEED TO BE ADJUSTED BASED ON THE LOCATION OF THEIR RESPECTIVE DESTINATIONS.
- ALL PIPE AND FITTINGS WITHIN THE BASIN OF THE FOUNTAIN SHALL BE SEALED AND WATERPROOFED.
- ALL COMPONENTS OF THE FOUNTAIN SHALL BE UL LISTED AND APPROPRIATE FOR UNDERWATER USE.
- ALL FOUNTAIN WORK SHALL BE COMPLETED BY A PROFESSIONAL FOUNTAIN/POOL CONTRACTOR.
- SEPARATE PIPING IN THE FOUNTAIN WITH WATERPROOF AND FOUNTAIN APPROVED SEALANT.
- ALL MASONRY WALLS (CONCRETE/BRICK) BELOW THE FINISHED GRADE SHALL BE TREATED WITH A WATERPROOF MEMBRANE.

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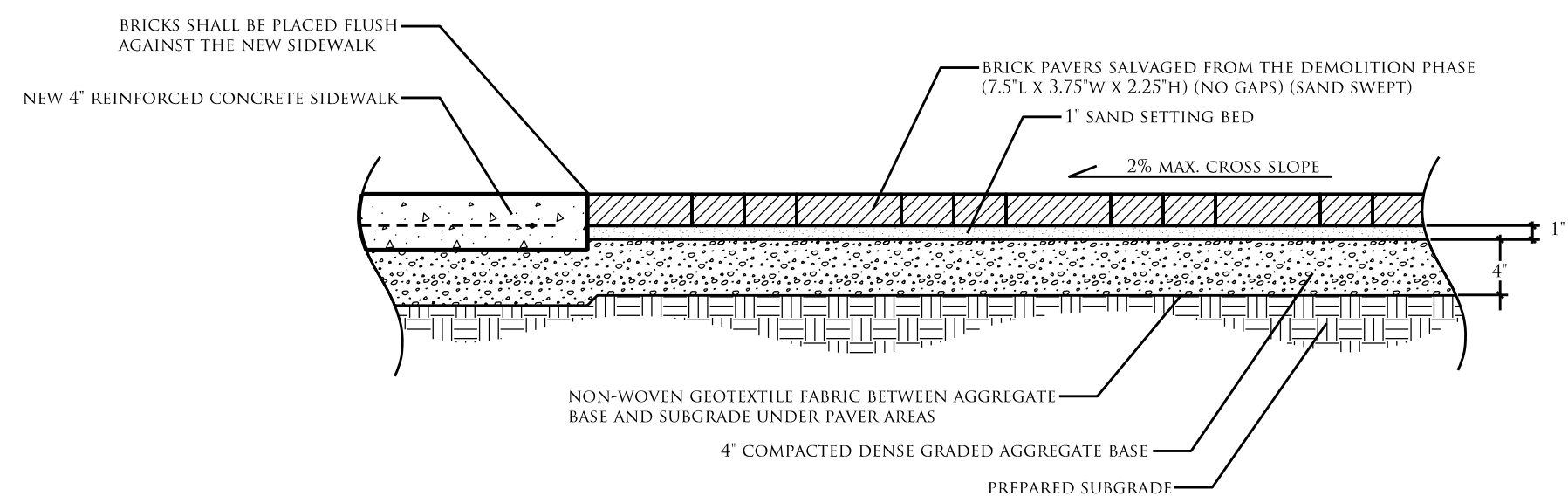


T.I.P. # - - - - -	
WBS # 46305.3.58	
FED I.D. #	
SHEET NO : <i>L-15</i>	TOTAL SHEET NO : <i>L-23</i>

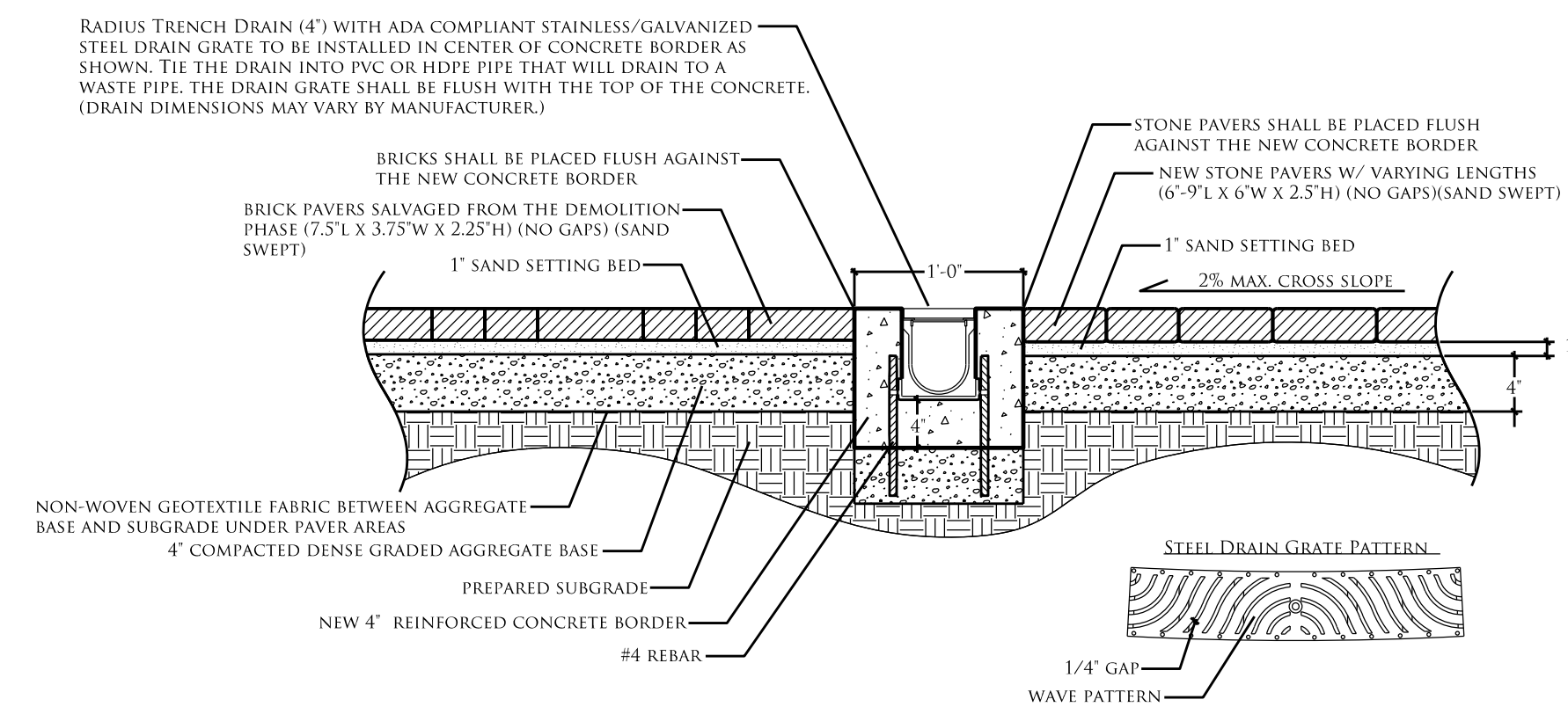
1
L-16
TURF, CONCRETE BORDER, & BRICK PAVERS SECTION DETAIL
1" = 1'-0"



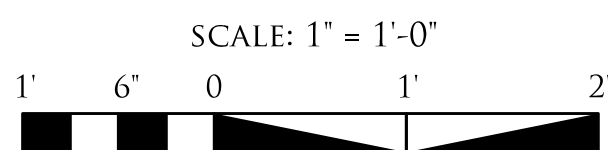
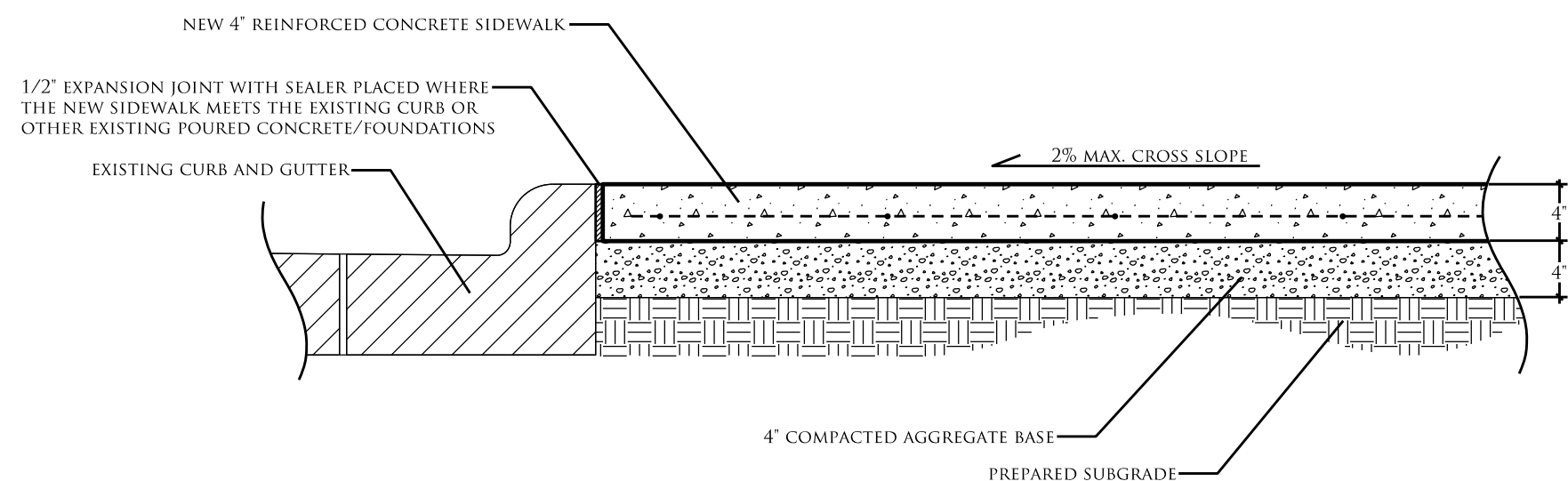
2
L-16
SIDEWALK & BRICK PAVERS SECTION DETAIL
1" = 1'-0"



3
L-16
CONCRETE BORDER, STONE PAVERS, & BRICK PAVERS SECTION DETAIL
1" = 1'-0"



4
L-16
SIDEWALK & CURB SECTION DETAIL
1" = 1'-0"



CONTRACTION JOINTS ARE TO HAVE 5' SPACINGS WITHIN ALL SIDEWALK AREAS

1/2" EXPANSION JOINT WITH SEALER PLACED BETWEEN THE SIDEWALK AND THE CONCRETE BORDER

TCB

TURF

RECYCLED BRICK FROM PREVIOUS PAVEMENT AREAS TO BE PLACED IN A BASKET WEAVE BOND FOR ALL NEW BRICK PAVEMENT AREAS. (7.5'L X 3.75'W X 2.25'H)

RECYCLED BRICK FROM PREVIOUS PAVEMENT AREAS TO BE PLACED IN A SAILOR COURSE AROUND ALL OF THE INNER EDGES OF NEW BRICK PAVEMENT AREAS. (7.5'L X 3.75'W X 2.25'H)

CONTRACTION JOINTS ARE TO HAVE 5' SPACINGS WITHIN THE BORDER AREAS

1" WIDE, 4" THICK CONCRETE BORDER TO OUTLINE ALL NEW BRICK AND STONE PAVEMENT AREAS.

RADIUS TRENCH DRAIN (4") WITH ADA COMPLIANT STAINLESS/GALVANIZED STEEL DRAIN GRATE TO BE INSTALLED IN CENTER OF CONCRETE BORDER AS SHOWN. (DRAIN DIMENSIONS MAY VARY BY MANUFACTURER.)

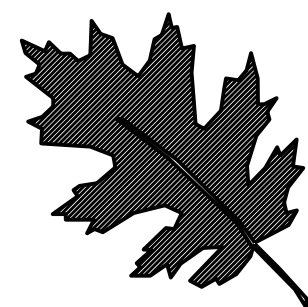
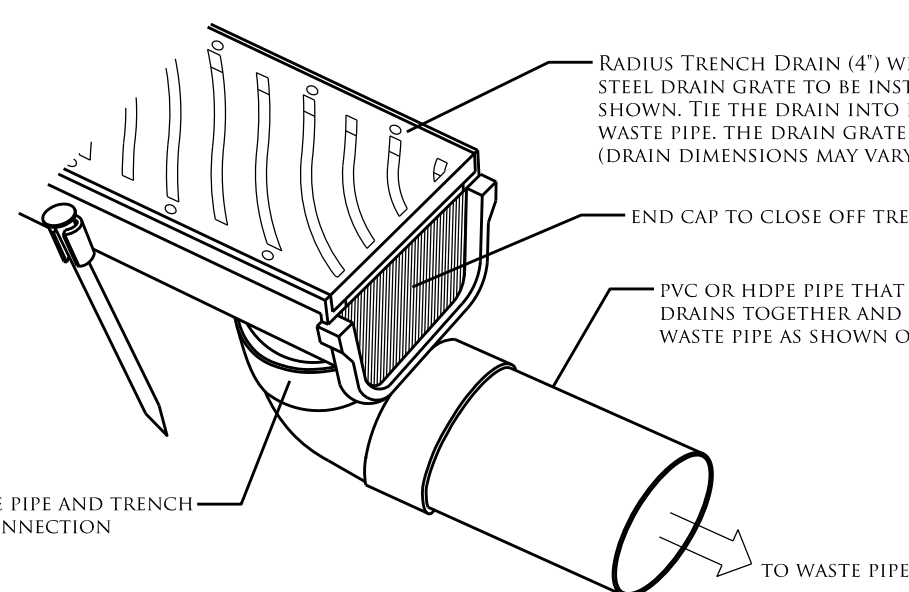
1/2" EXPANSION JOINT WITH SEALER PLACED BETWEEN THE TWO CONCRETE BORDERS

NEW STONE PAVEMENT AREA TO BE IN A RADIAL PATTERN AROUND THE PROPOSED FOUNTAIN. SIZES OF PAVERS WILL VARY WITHIN THIS PATTERN. (6'-9'L X 6'W X 2.5'H)

SUBSURFACE PVC/HDPE PIPE SHALL CONNECT TO THE LOW POINT OF THE TRENCH DRAIN AND EMPTY INTO A MAIN PVC WASTE PIPE.

5
L-16
HARDSCAPES SAMPLE PLAN VIEW DETAIL
1" = 1'-0"

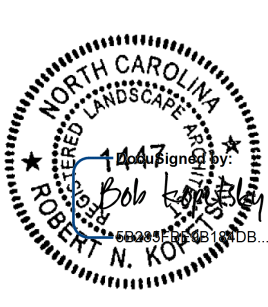
TRENCH DRAIN CONNECTION TO PVC/HDPE PIPE (PERSPECTIVE)



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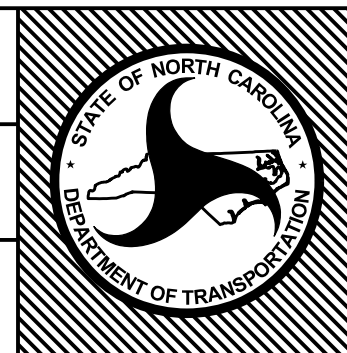
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DESIGNER
KYLE COOPER

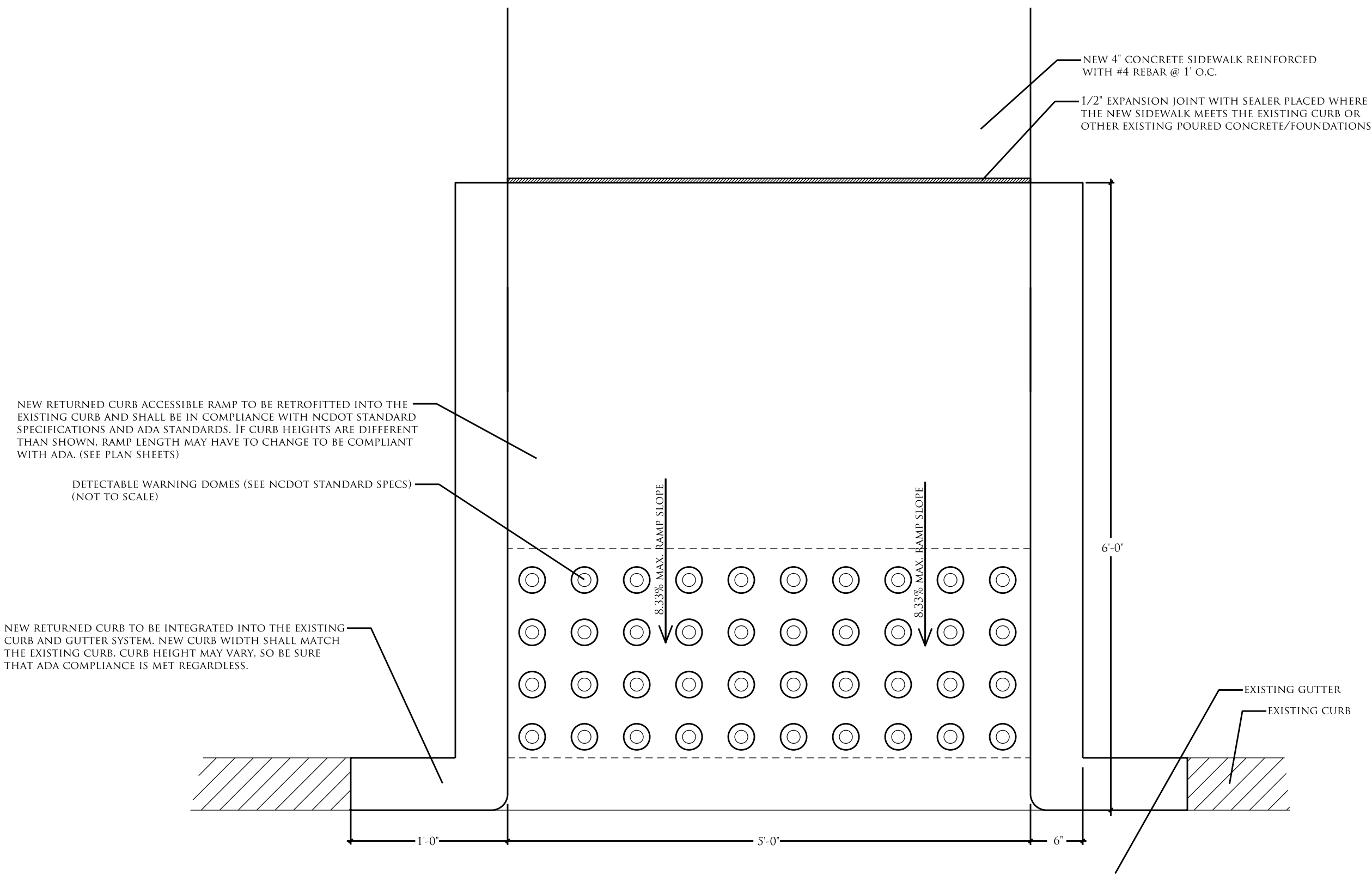
PREL. DESIGN DATE :	JUNE 2018
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CONSTRUCTION DETAILS
LANDSCAPE PLAN SHEET

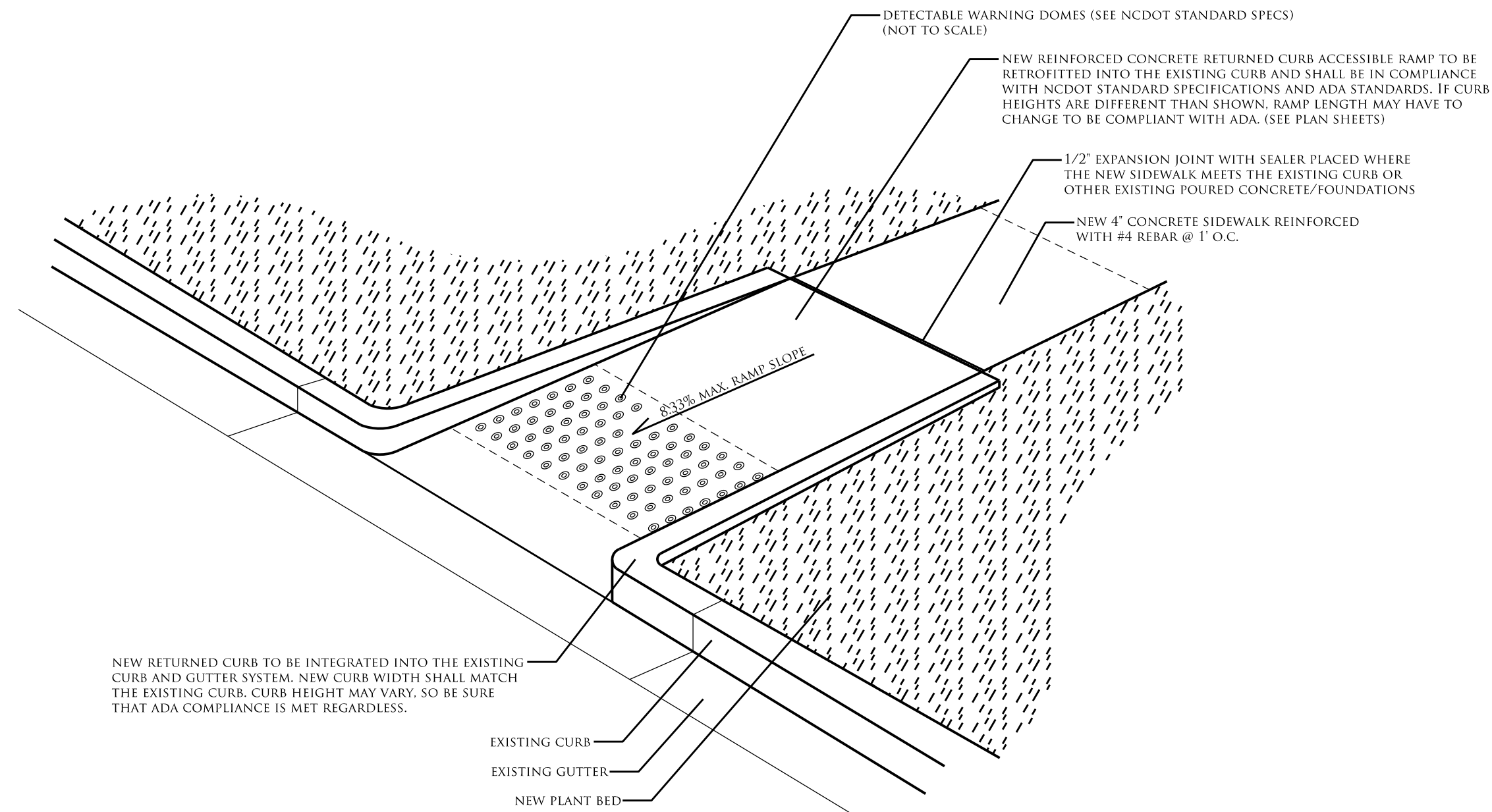


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WBS #	46305.3.58
FED I.D. #	
SHEET NO. :	L-16
TOTAL SHEET NO. :	L-23

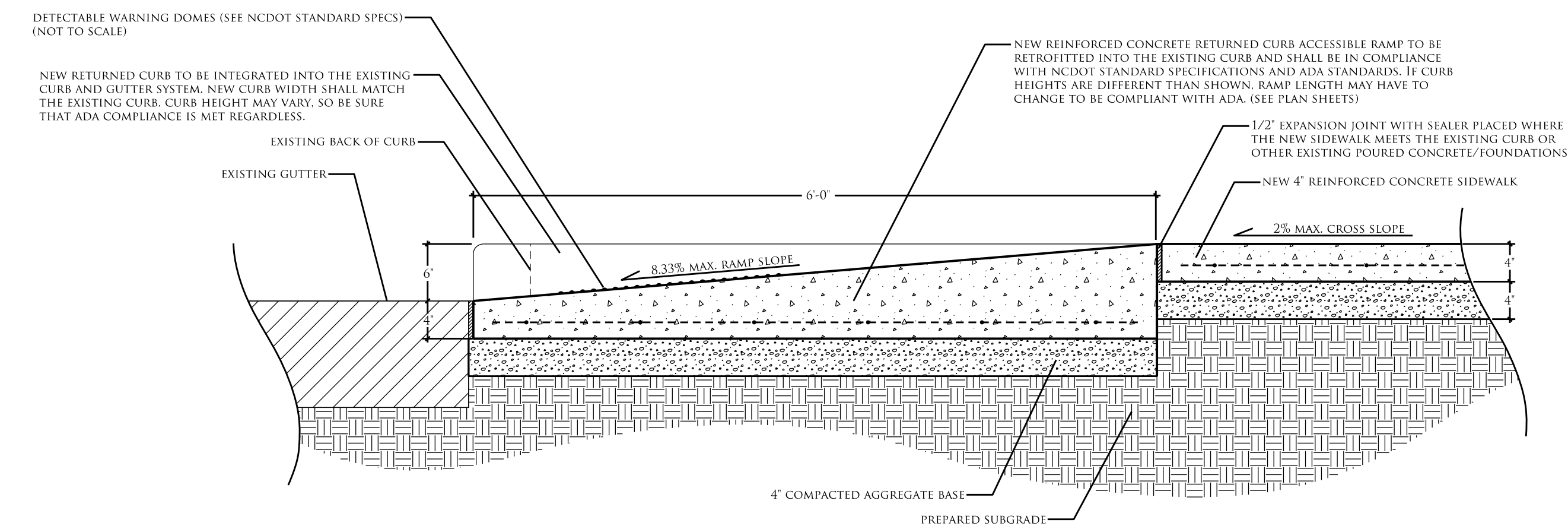
1
L-17
RETURNED CURB ACCESSIBLE RAMP PLAN VIEW DETAIL
1" = 1'-0"



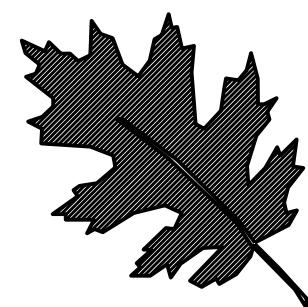
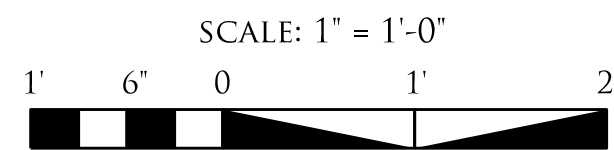
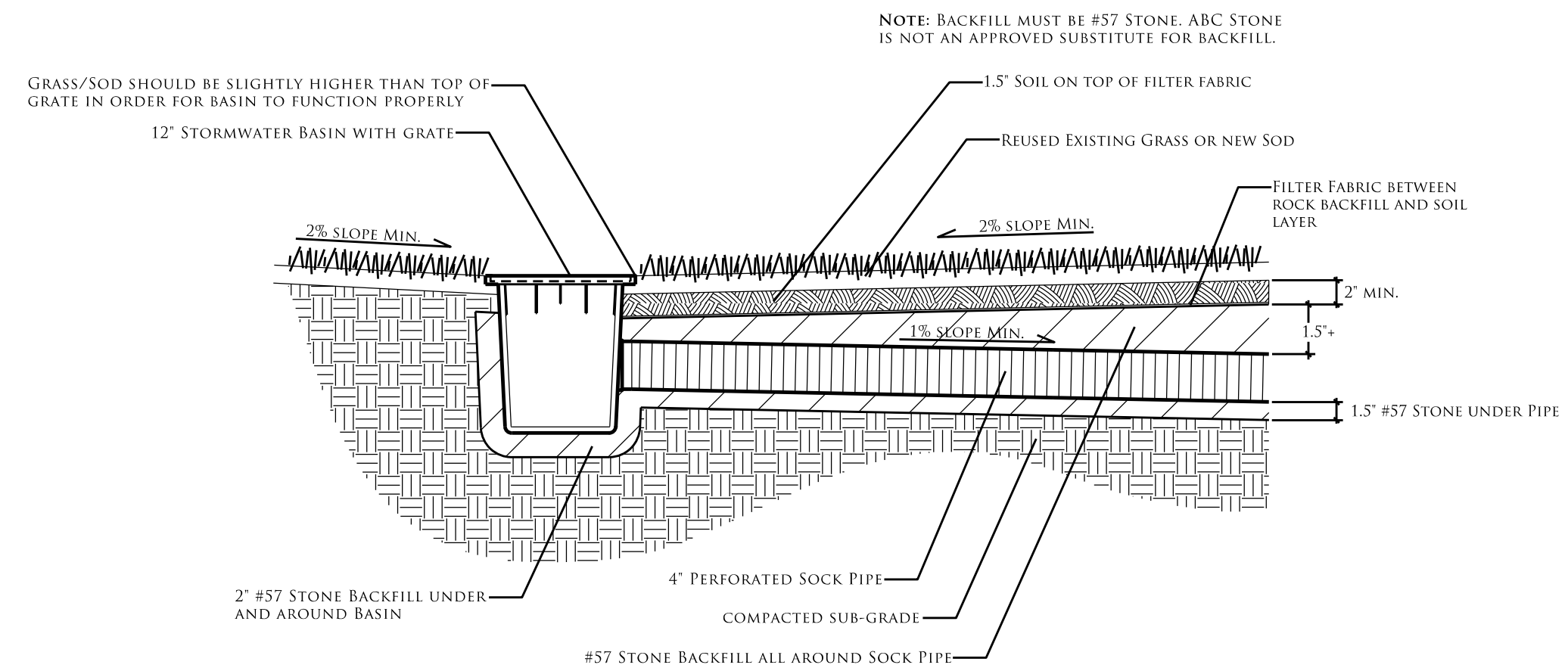
2
L-17
RETURNED CURB ACCESSIBLE RAMP PERSPECTIVE
NOT TO SCALE



3
L-17
RETURNED CURB ACCESSIBLE RAMP SECTION DETAIL
1" = 1'-0"



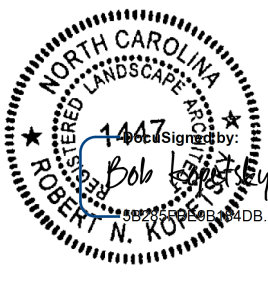
4
L-17
INFILTRATION TRENCH W/ CATCH BASINS
1" = 1'-0"



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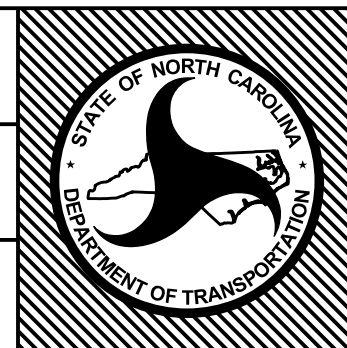
WBS #: 46305.3.58



REU. DESIGNER
Kyle Cooper

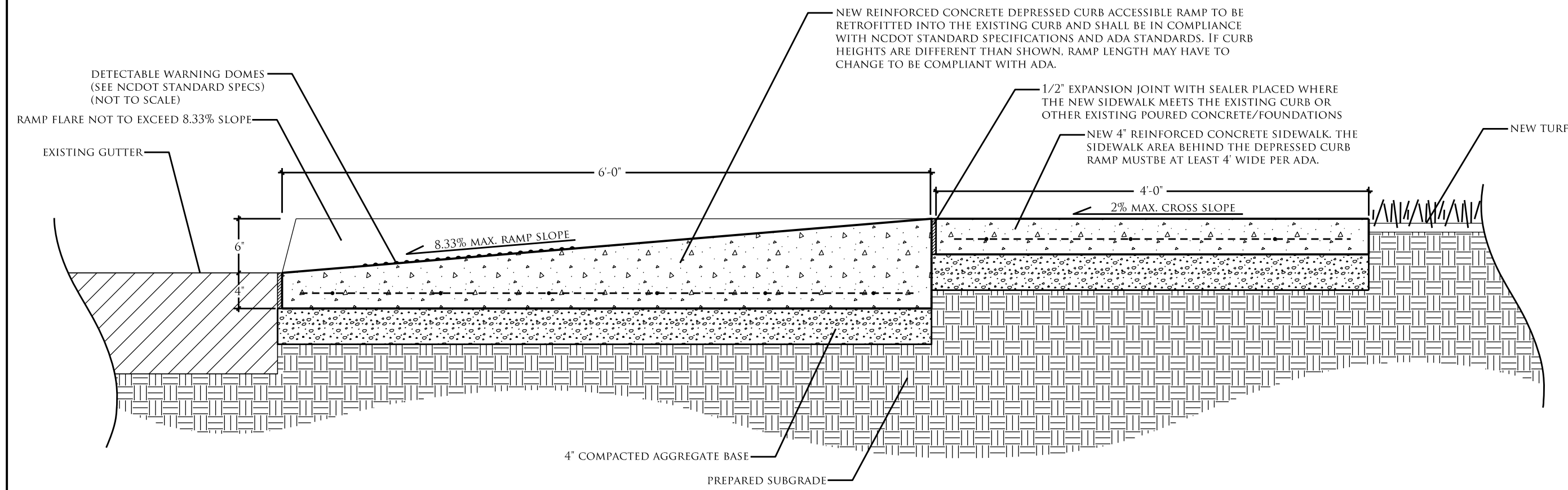
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CONSTRUCTION DETAILS
LANDSCAPE PLAN SHEET

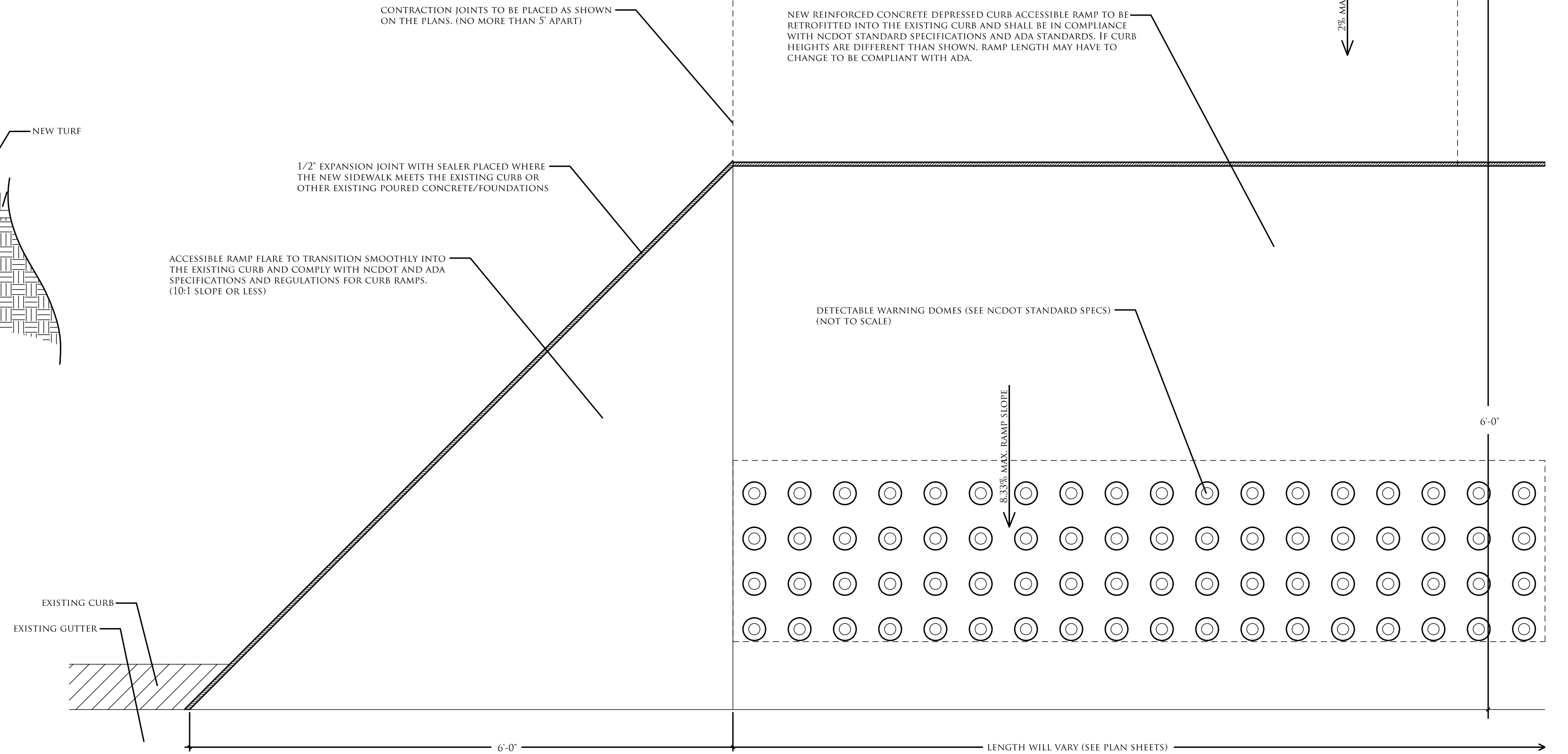


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WBS #	46305.3.58
FED I.D. #	
SHEET NO.:	L-17
TOTAL SHEET NO.:	L-23

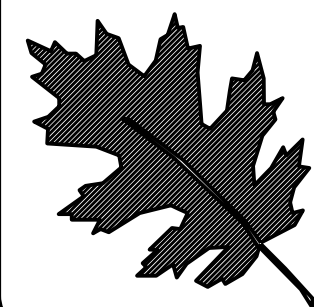
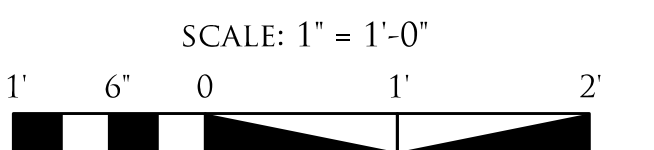
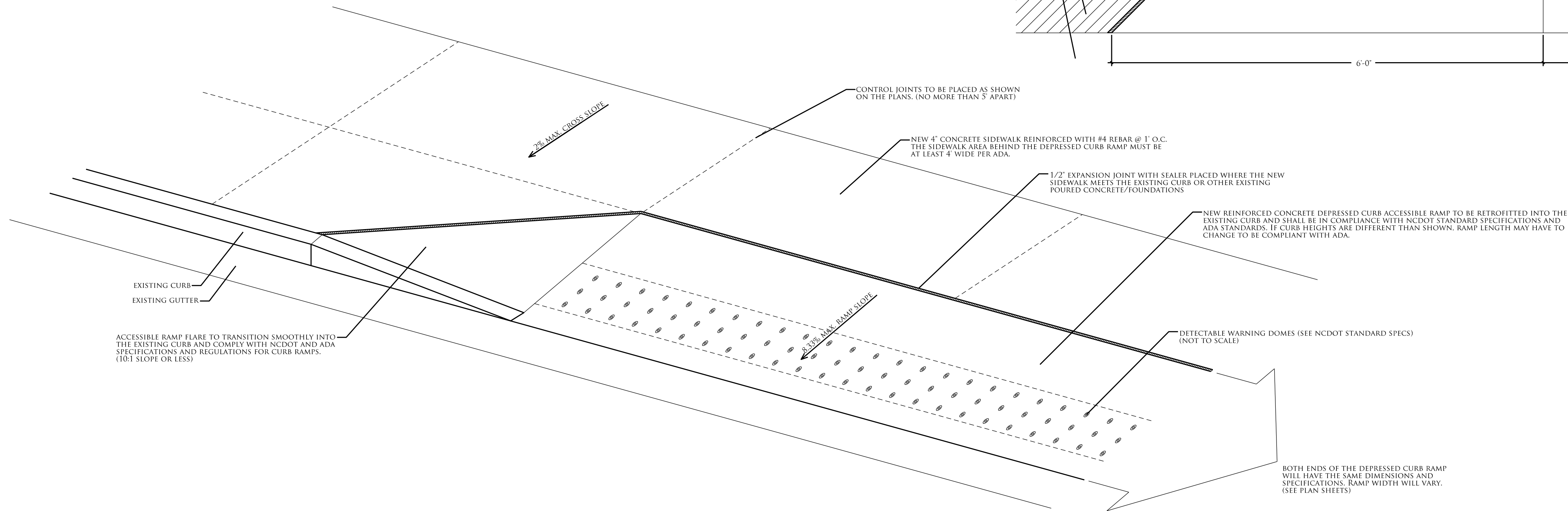
1
L-18
DEPRESSED CURB ACCESSIBLE RAMP SECTION DETAIL
1" = 1'-0"



2
L-18
DEPRESSED CURB ACCESSIBLE RAMP PLAN VIEW DETAIL
1" = 1'-0"



3
L-18
DEPRESSED CURB ACCESSIBLE RAMP PERSPECTIVE
NOT TO SCALE



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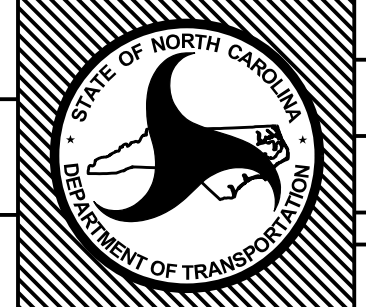
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KYLE COOPER

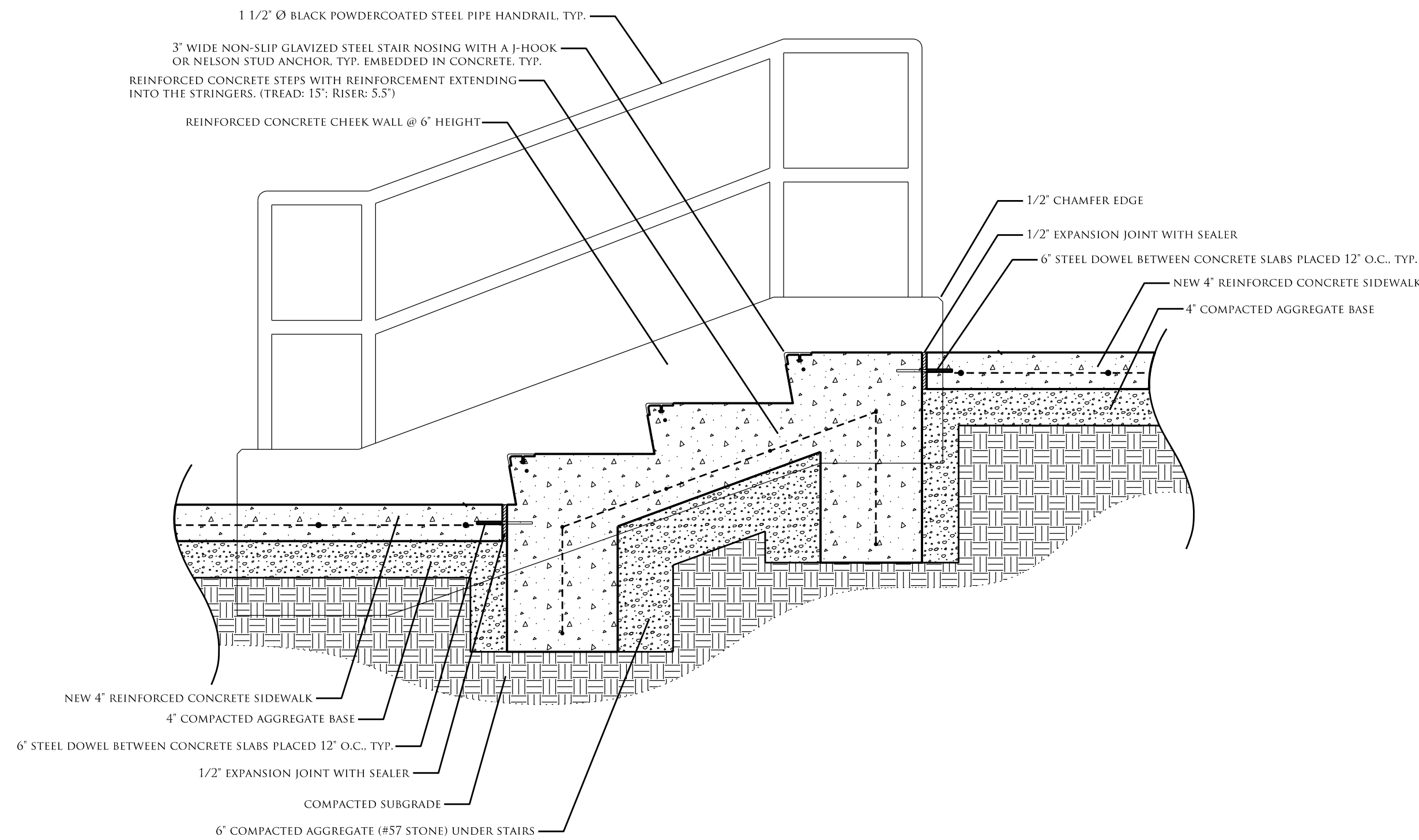
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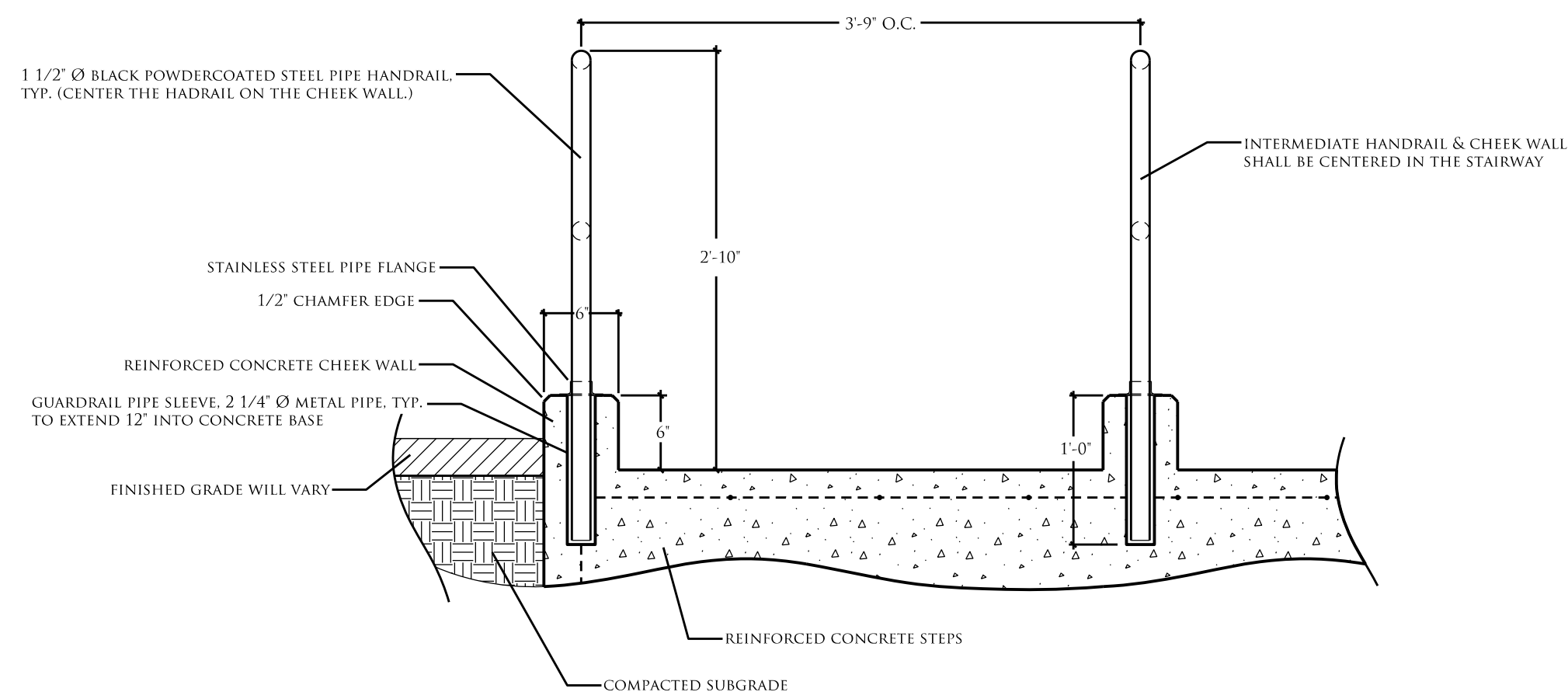


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WBS #	46305.3.58
FED I.D. #	
SHEET NO.:	TOTAL SHEET NO.:
L-18	L-23

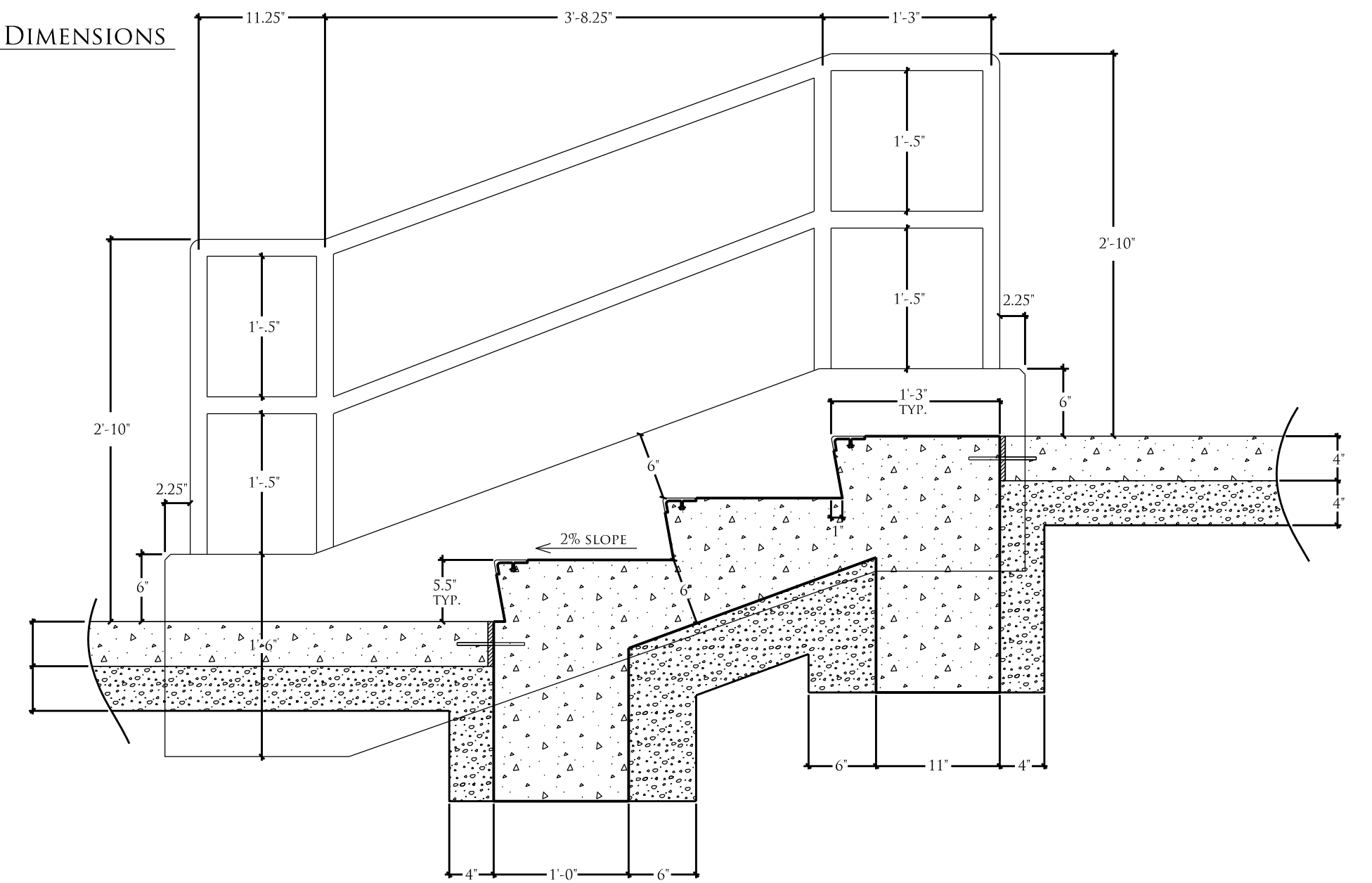
1
L-19
CONCRETE STEPS WITH HANDRAILS
1" = 1'-0"



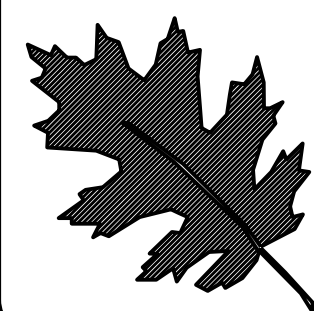
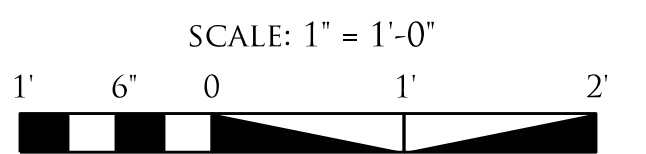
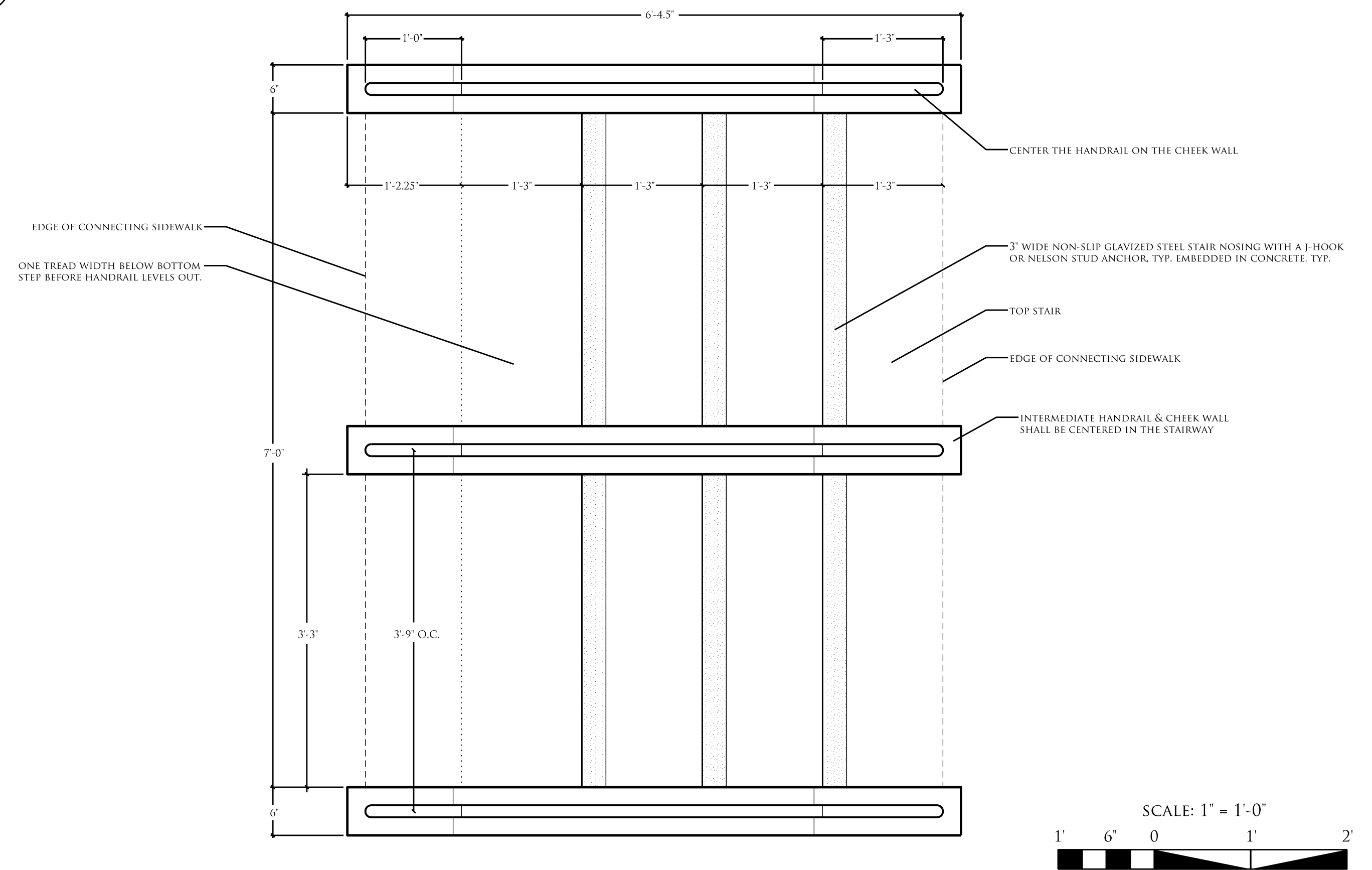
3
L-19
CONCRETE CHEEK WALL & HANDRAIL
1" = 1'-0"



2
L-19
CONCRETE STEPS WITH HANDRAIL DIMENSIONS
1" = 1'-0"



4
L-19
CONCRETE STEPS & HANDRAIL: PLAN VIEW
1" = 1'-0"



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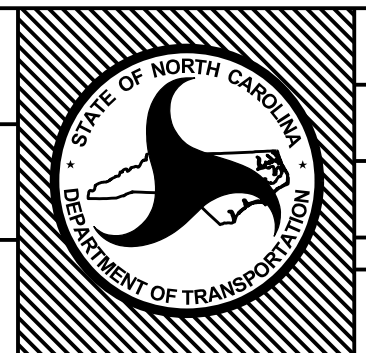
WBS #: 46305.3.58



REU, DESIGNER
KYLE COOPER

SHEET DESCRIPTION:	PREL. DESIGN DATE :	JUNE 2018
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CONSTRUCTION DETAILS
LANDSCAPE PLAN SHEET

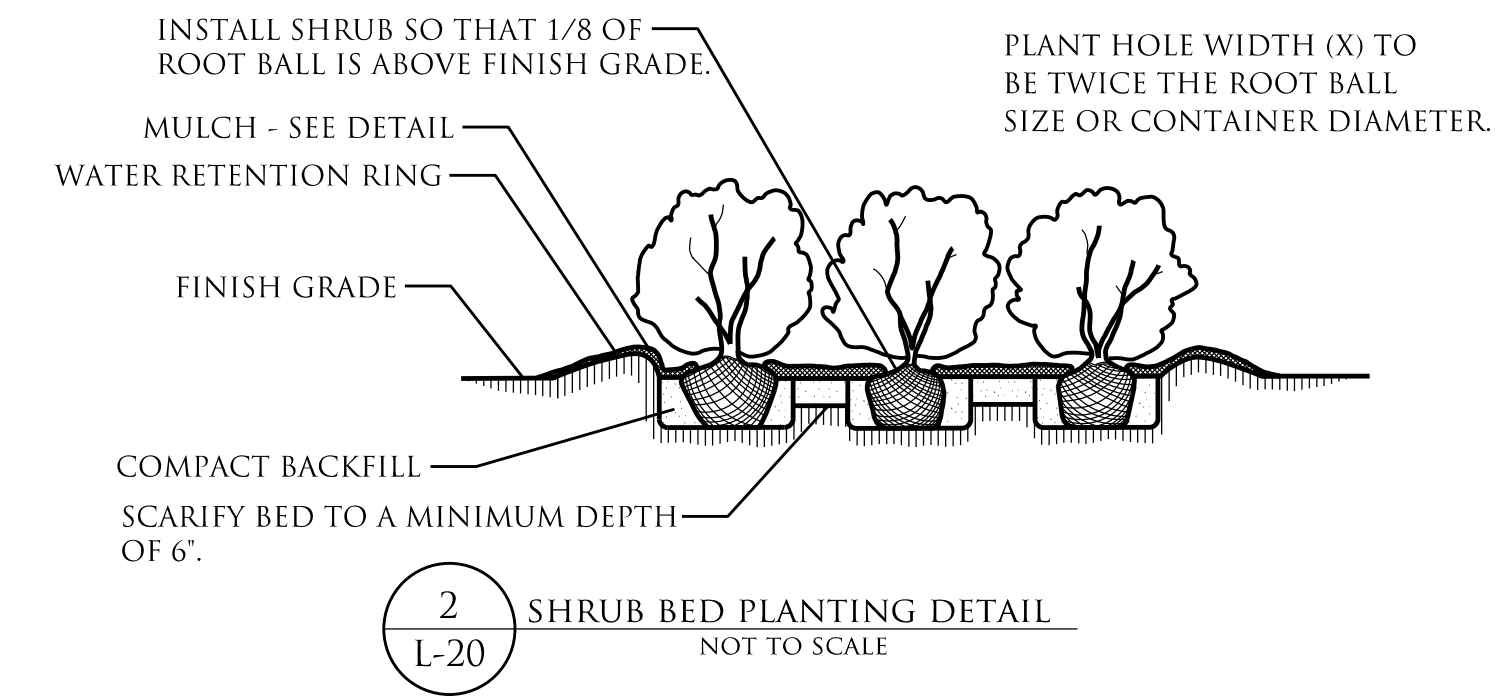
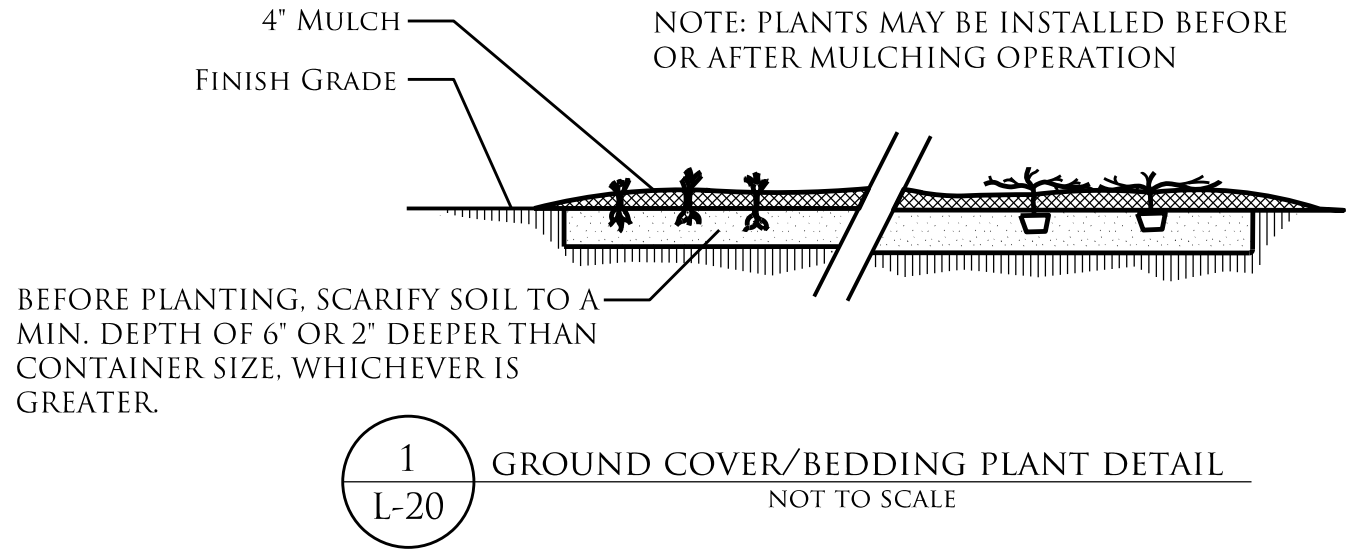


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WBS #	46305.3.58
FED I.D. #	
SHEET NO.:	L-19
TOTAL SHEET NO.:	L-23

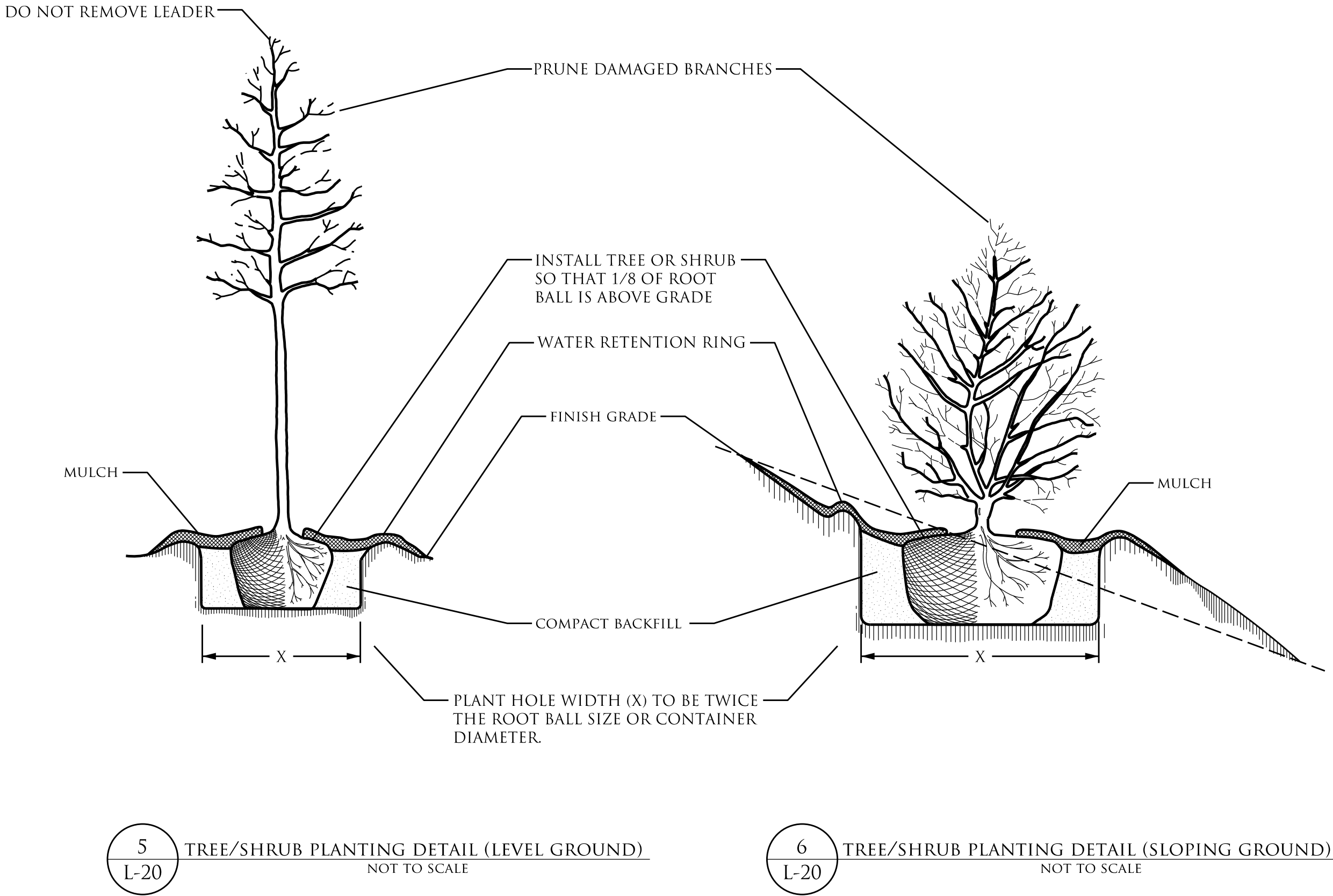
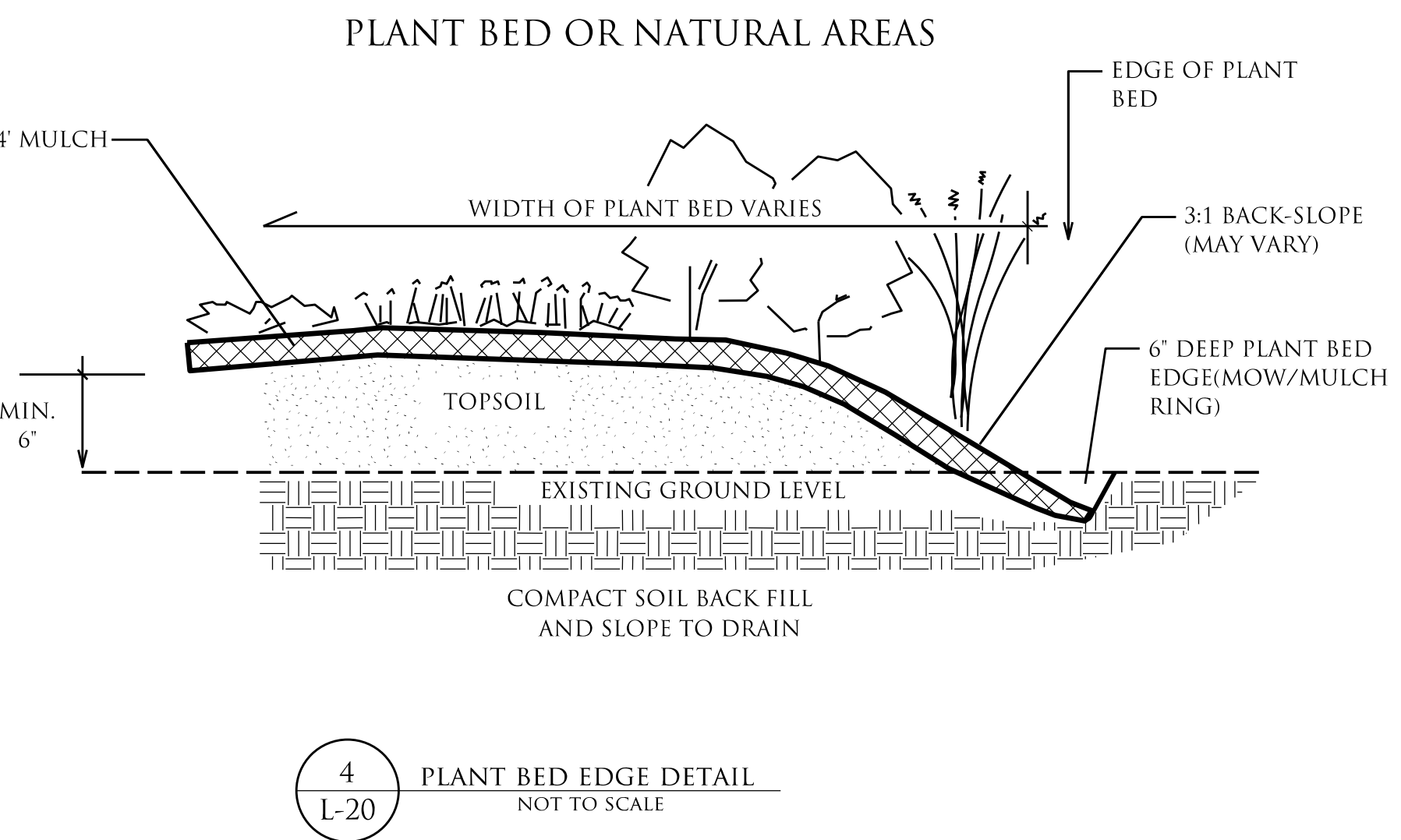
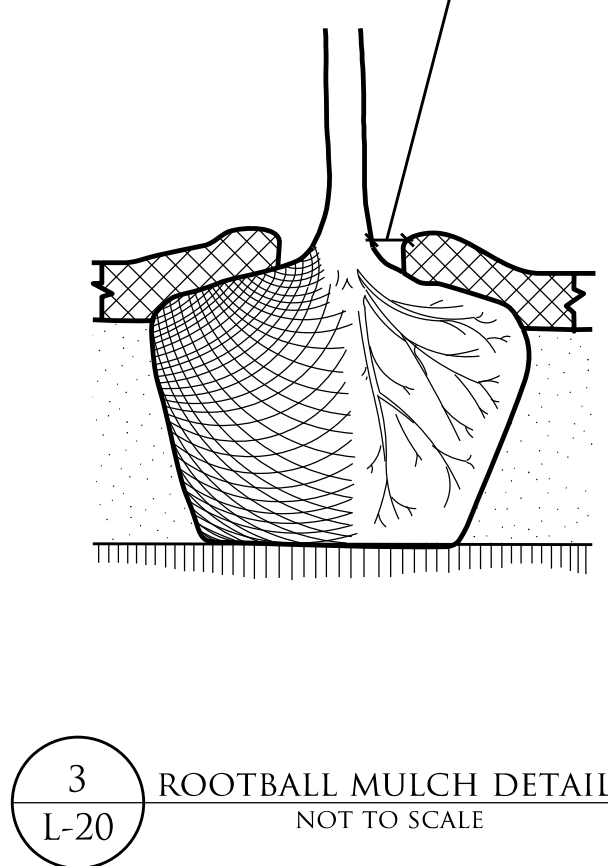


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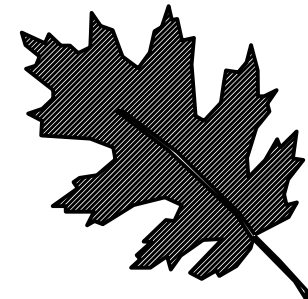
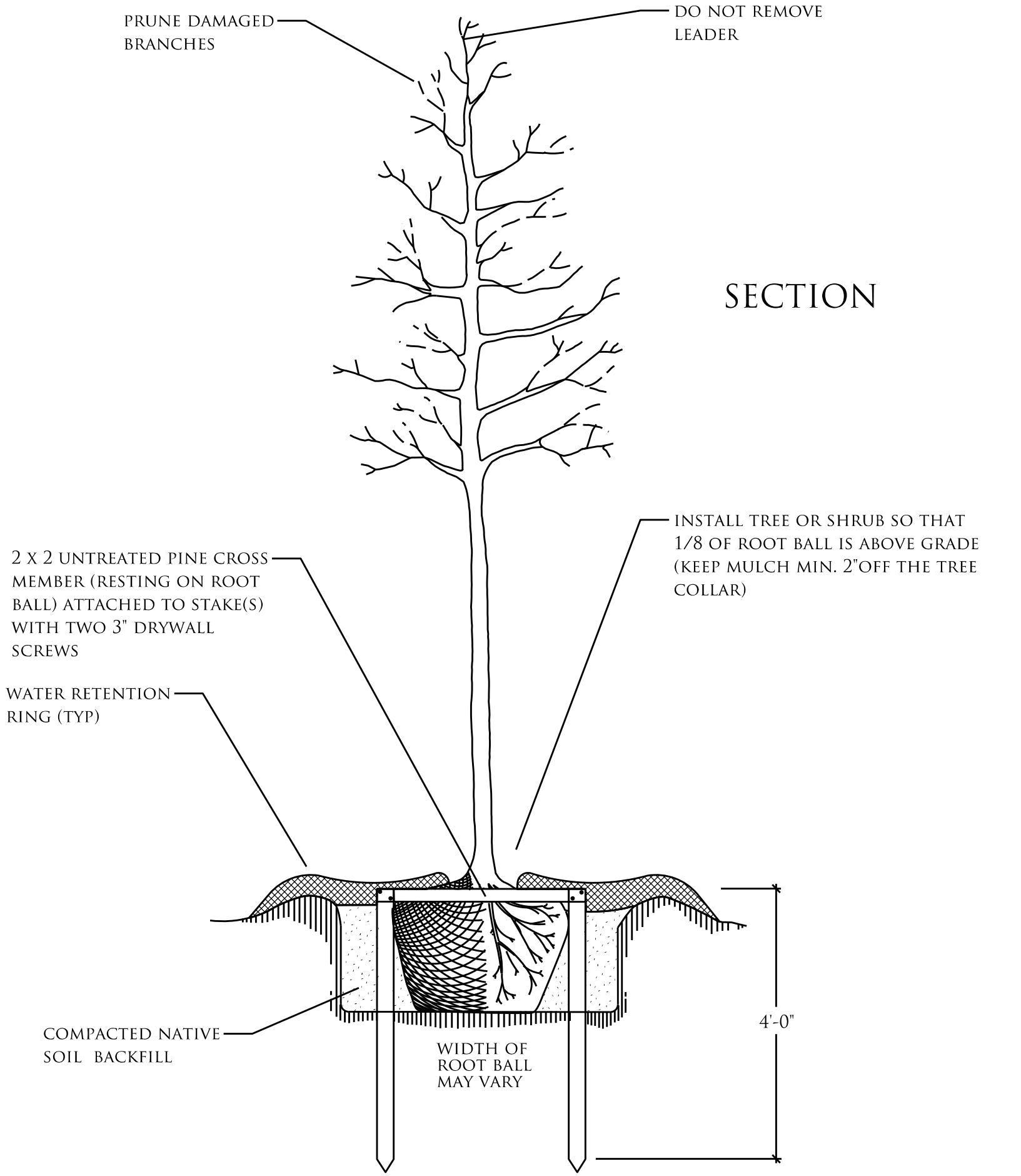
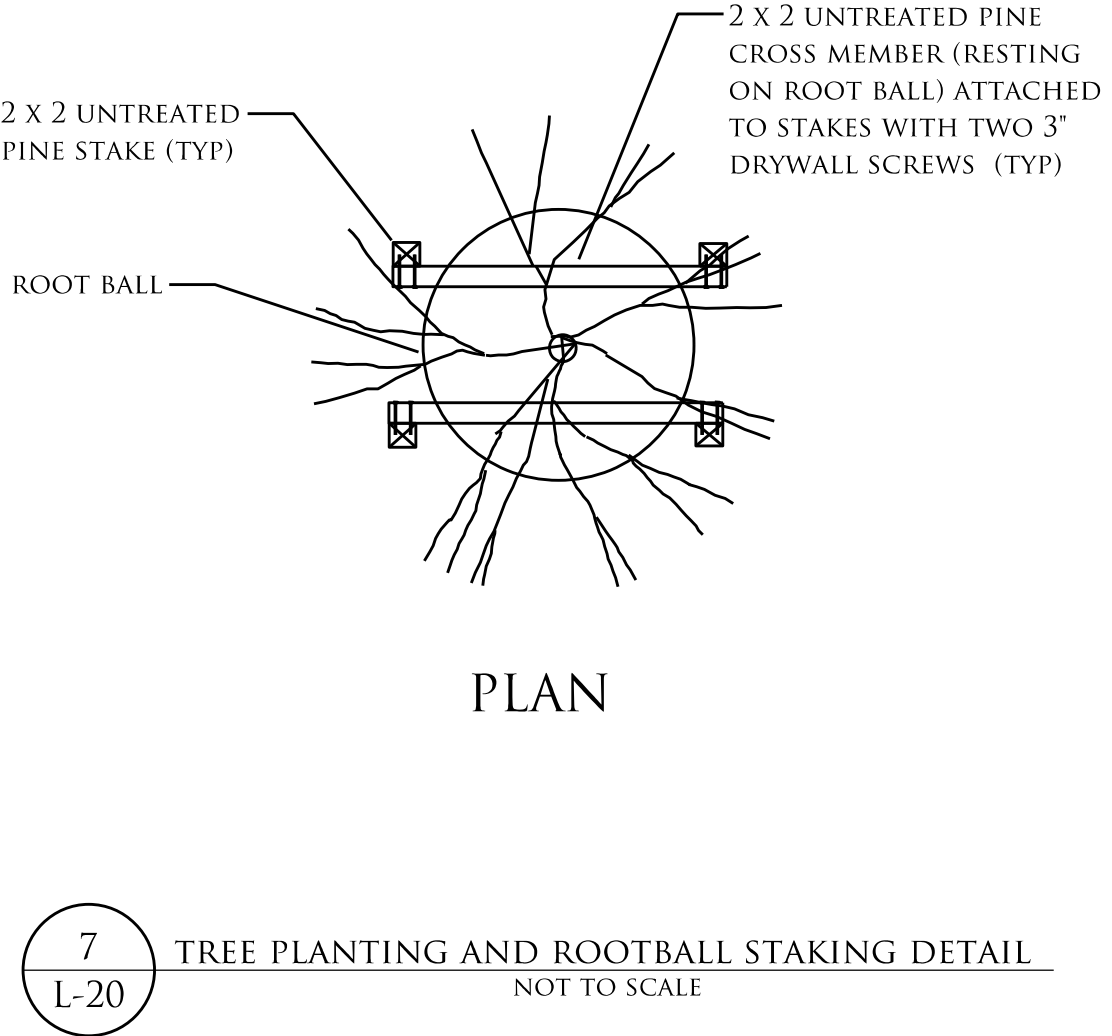
- SCHEDULE FOR PLANT HOLE SIZE:
PLANT HOLE WIDTH (X) TO BE TWICE
THE ROOT BALL SIZE OR CONTAINER
DIAMETER.
- SEE STANDARD SPECIFICATIONS FOR
PLANT BED FUMIGATION AND HERBICIDAL
TREATMENT.
- APPLY FERTILIZER AT PLANTING TIME
IN THE FORM OF A SLOW RELEASE
PELLET OR TABLET. APPLY AT RATE
RECOMMENDED BY MANUFACTURER.
BOTH RATE AND FORMULATION MUST
BE APPROVED BY FIELD ENGINEER PRIOR
TO APPLICATION.
- REMOVE WIRE BASKET AND FOLD BURLAP
BACK FROM TOP OF ROOT BALL BEFORE
BACKFILLING IS COMPLETE.
- ALL PRUNING TO FOLLOW STANDARD
ARBORICULTURAL PRACTICES AS
SPECIFIED BY INTERNATIONAL SOCIETY
OF ARBORICULTURE.
- DO NOT ATTEMPT TO STRAIGHTEN A TREE
THAT HAS BEEN PLANTED AT AN ANGLE
WITH THE USE OF STAKING OR GUYING.
DIG TREE AND REPLANT TO UPRIGHT
POSITION.



DO NOT PLACE MULCH WITHIN 2' OF TRUNK OR STEM.

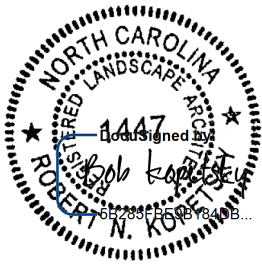


NOTE:
- IN ARID, DRY, OR SANDY SOIL LOCATIONS, PLANT THE ROOT BALL LEVEL WITH THE SURROUNDING GRADE. IN LOW LYING OR WET AREAS, PLANT THE TREE BALL SLIGHTLY HIGHER.
- STAKE TREES 8' OR TALLER



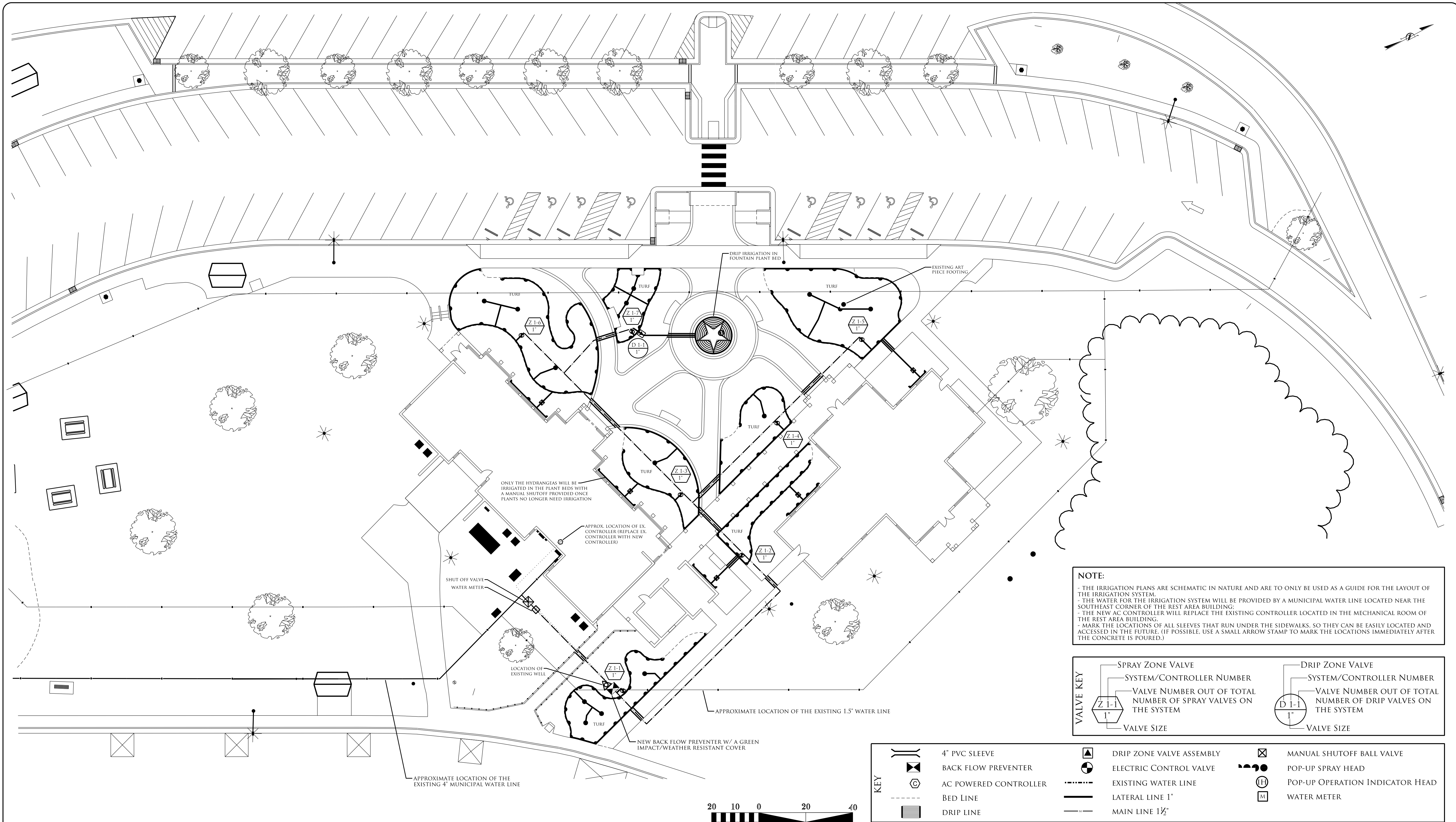
NCDOT - ROADSIDE ENVIRONMENTAL UNIT
LANDSCAPE DESIGN & DEVELOPMENT
1557 MAIL SERVICE CENTER RALEIGH NC 27699-1557
PH: 919-707-2935 FAX: 919-715-2554
[HTTP://WWW.NCDOT.ORG/DOH/OPERATIONS/DP_CHIEF_ENG/ROADSIDE/](http://www.ncdot.org/DOH/OPERATIONS/DP_CHIEF_ENG/ROADSIDE/)

NORTHAMPTON WELCOME CENTER
NORTHAMPTON COUNTY
WBS #: 46305.3.58



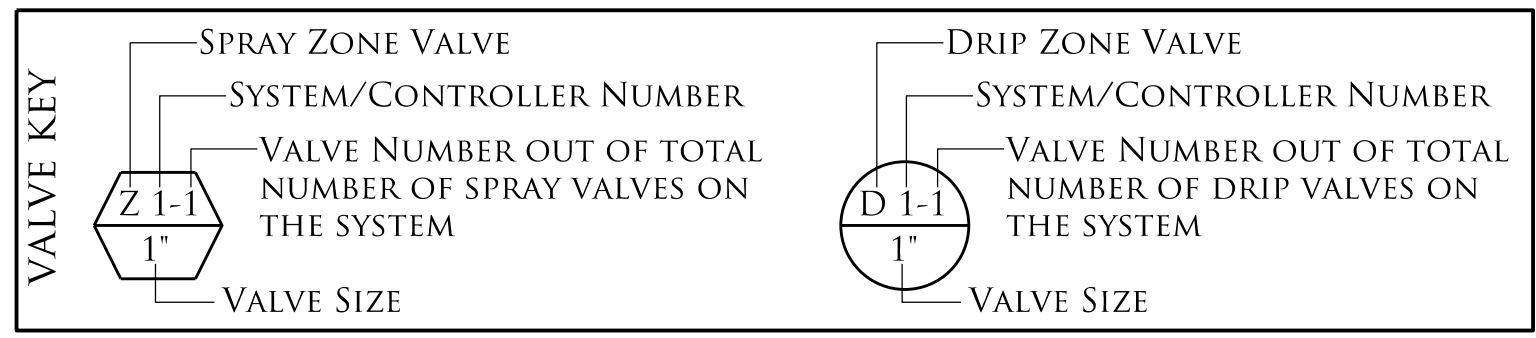
DESIGNER
KYLE COOPER

SHEET DESCRIPTION:	PREL. DESIGN DATE :	JUNE 2018	PLANTING DETAILS		T.I.P. # - - - - -	
	CHECKED BY & DATE :	B.KOPETSKY 9/25	LANDSCAPE PLAN SHEET		WBS # 46305.3.58	
	FINAL DESIGN DATE :	JULY 11, 2018			FED I.D. # - - - - -	
					SHEET NO. : L-20	TOTAL SHEET NO. : L-23



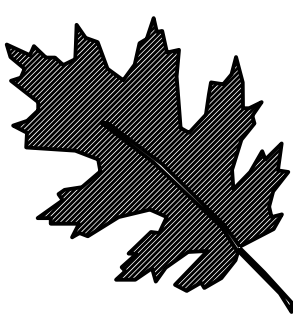
NOTE:

- THE IRRIGATION PLANS ARE SCHEMATIC IN NATURE AND ARE TO ONLY BE USED AS A GUIDE FOR THE LAYOUT OF THE IRRIGATION SYSTEM.
- THE WATER FOR THE IRRIGATION SYSTEM WILL BE PROVIDED BY A MUNICIPAL WATER LINE LOCATED NEAR THE SOUTHEAST CORNER OF THE REST AREA BUILDING.
- THE NEW AC CONTROLLER WILL REPLACE THE EXISTING CONTROLLER LOCATED IN THE MECHANICAL ROOM OF THE REST AREA BUILDING.
- MARK THE LOCATIONS OF ALL SLEEVES THAT RUN UNDER THE SIDEWALKS, SO THEY CAN BE EASILY LOCATED AND ACCESSED IN THE FUTURE. (IF POSSIBLE, USE A SMALL ARROW STAMP TO MARK THE LOCATIONS IMMEDIATELY AFTER THE CONCRETE IS POURED.)



KEY		4" PVC SLEEVE		DRIP ZONE VALVE ASSEMBLY		MANUAL SHUTOFF BALL VALVE
		BACK FLOW PREVENTER		ELECTRIC CONTROL VALVE		POP-UP SPRAY HEAD
		AC POWERED CONTROLLER		EXISTING WATER LINE		POP-UP OPERATION INDICATOR HEAD
		BED LINE		LATERAL LINE 1"		WATER METER
		DRIP LINE		MAIN LINE 1 1/2"		

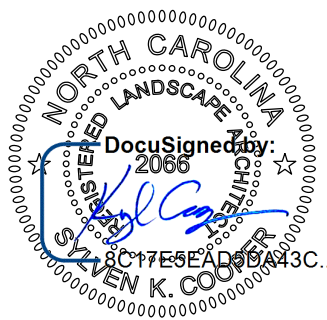




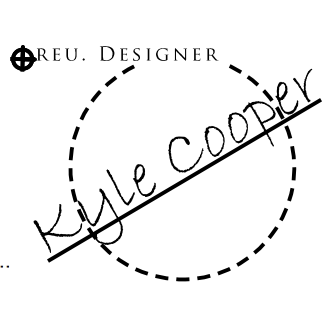
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NORTHAMPTON WELCOME CENTER
NORTHAMPTON COUNTY

WBS #: 46305.3.58

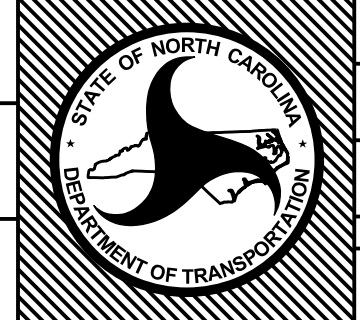


DESIGNED BY
Kyle Cooper

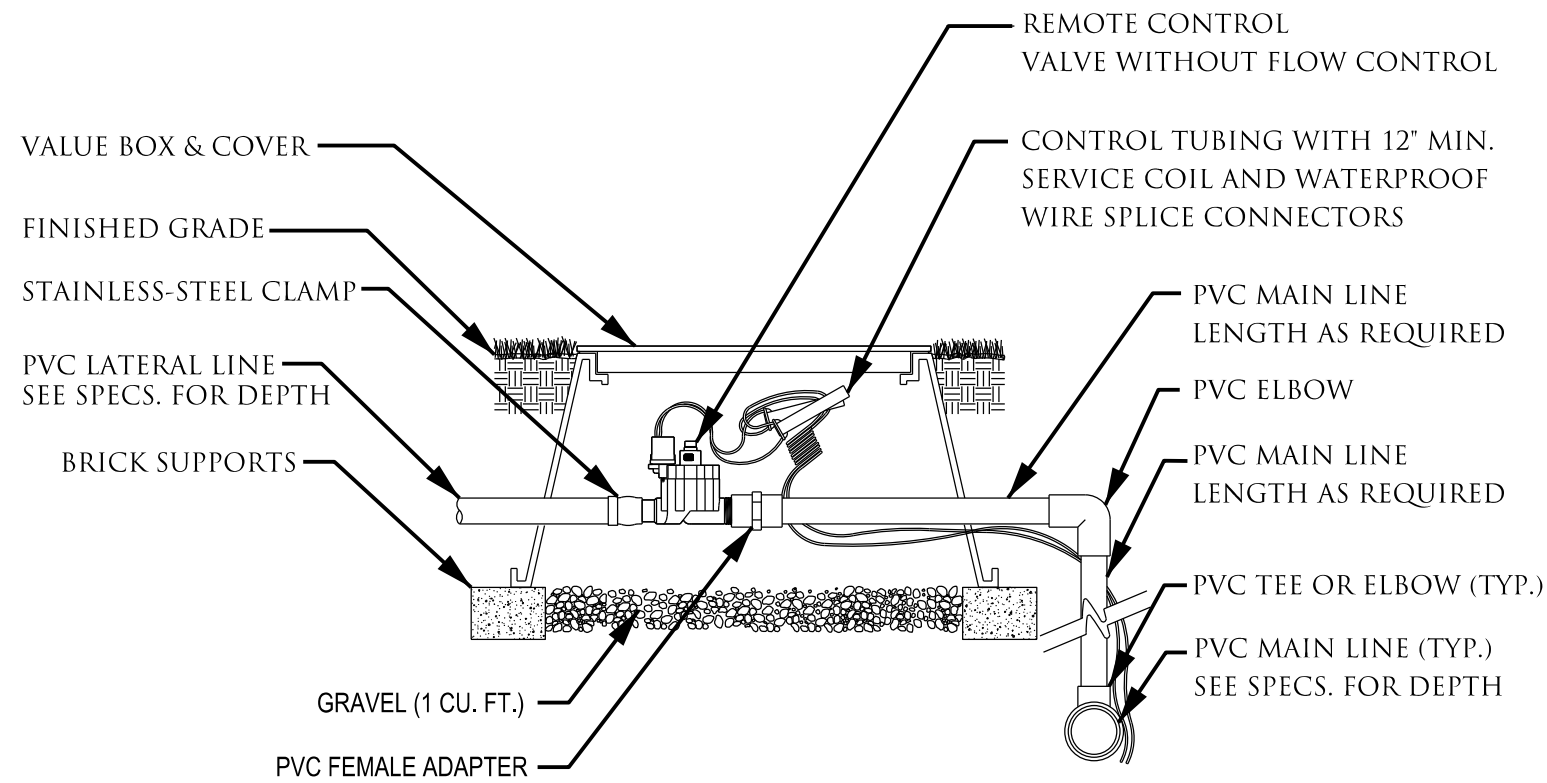


REU DESIGNER
Kyle Cooper

PREL. DESIGN DATE :	JUNE 2018	IRRIGATION PLAN
CHECKED BY & DATE :	B.KOPETSKY 9/25	LANDSCAPE PLAN SHEET
FINAL DESIGN DATE :	JULY 11, 2018	



T.I.P. #	-----
WBS #	46305.3.58
FED I.D. #	
SHEET NO. :	L-21
TOTAL SHEET NO. :	L-23



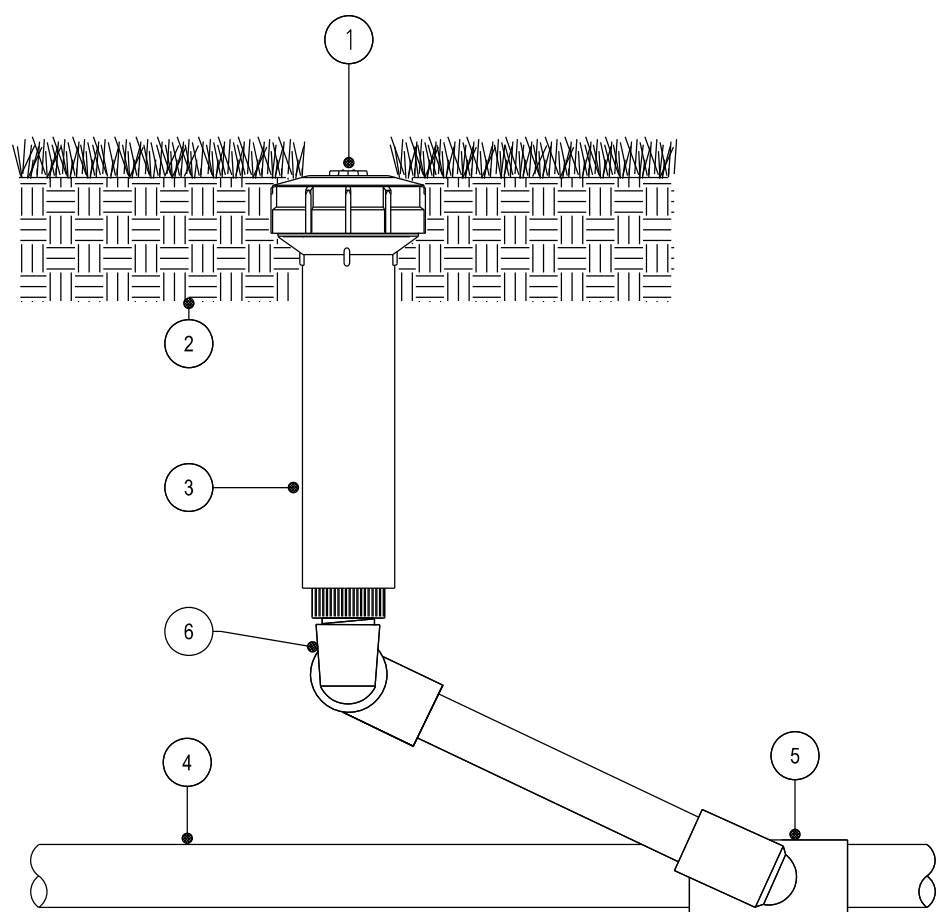
NOTES:

1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.
2. DO NOT SCALE DRAWINGS.

1 VALVES & BOX
L-23 1" PLASTIC VALVE (NOT TO SCALE)

LEGEND

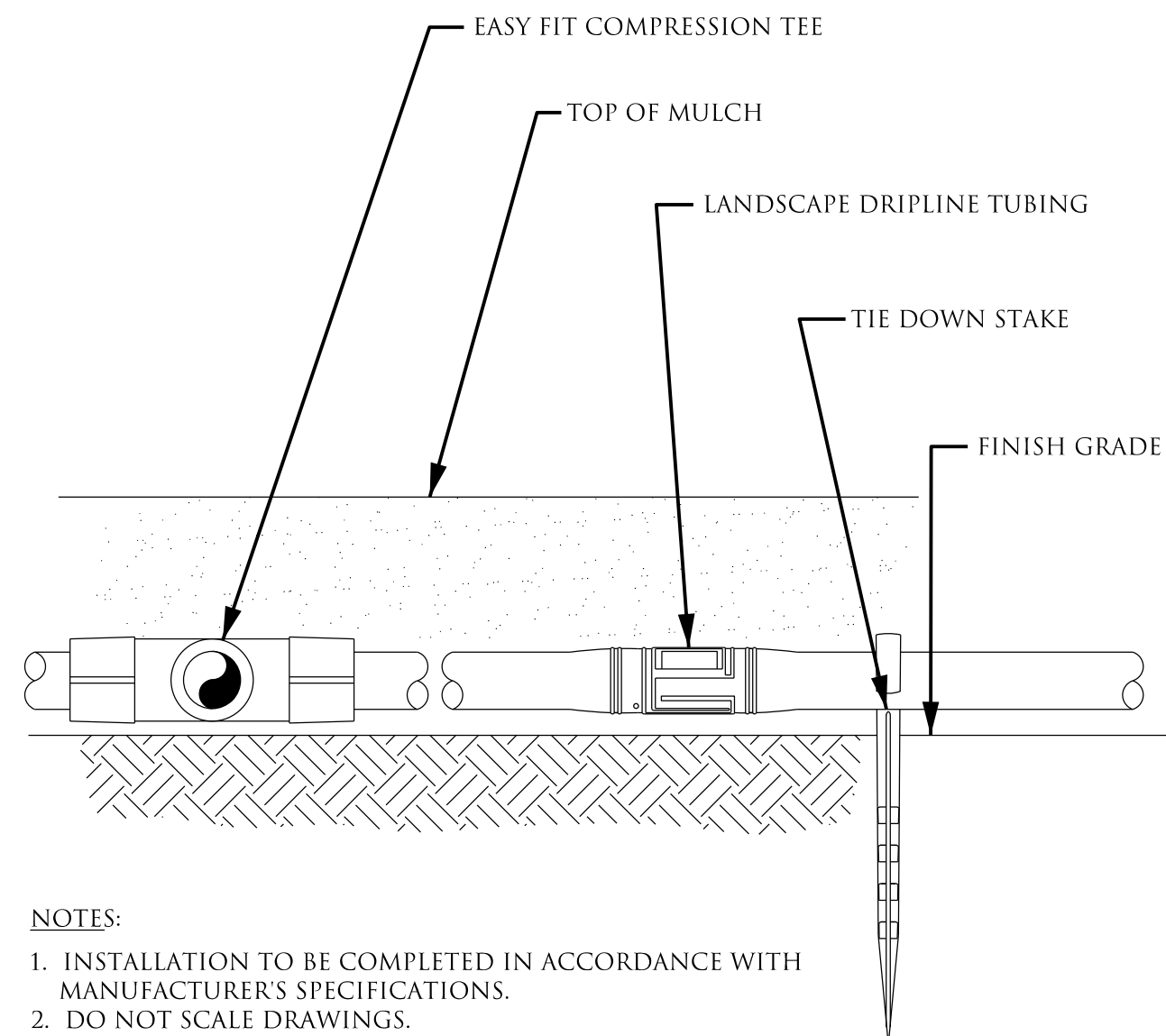
1. MPR PLUS NOZZLE (SIZE PER PLAN)
2. APPROVED BACKFILL
3. SPRINKLER
4. LATERAL PIPE
5. LATERAL TEE
6. MANUFACTURED SWING JOINT



NOTES:

1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.
2. DO NOT SCALE DRAWINGS.
3. INSTALL SPRINKLERHEAD AT FINISHED GRADE

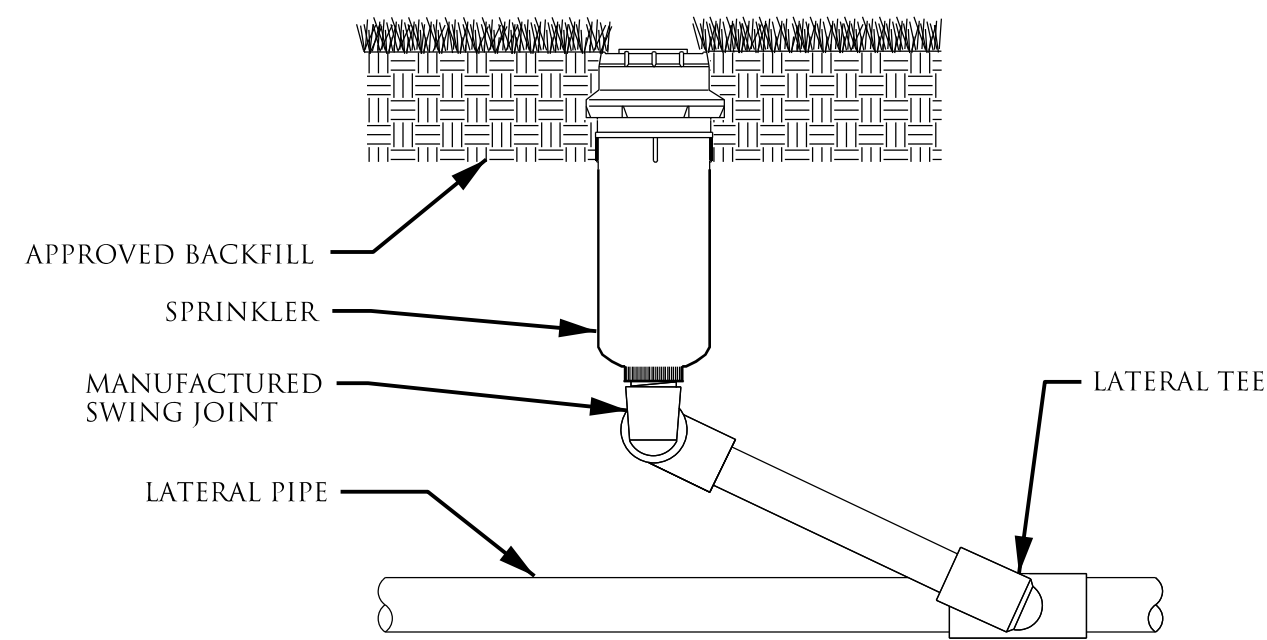
2 ROTOR SPRINKLER
L-23 4 INCH POP-UP (SWING JOINT) (NOT TO SCALE)



NOTES:

1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.
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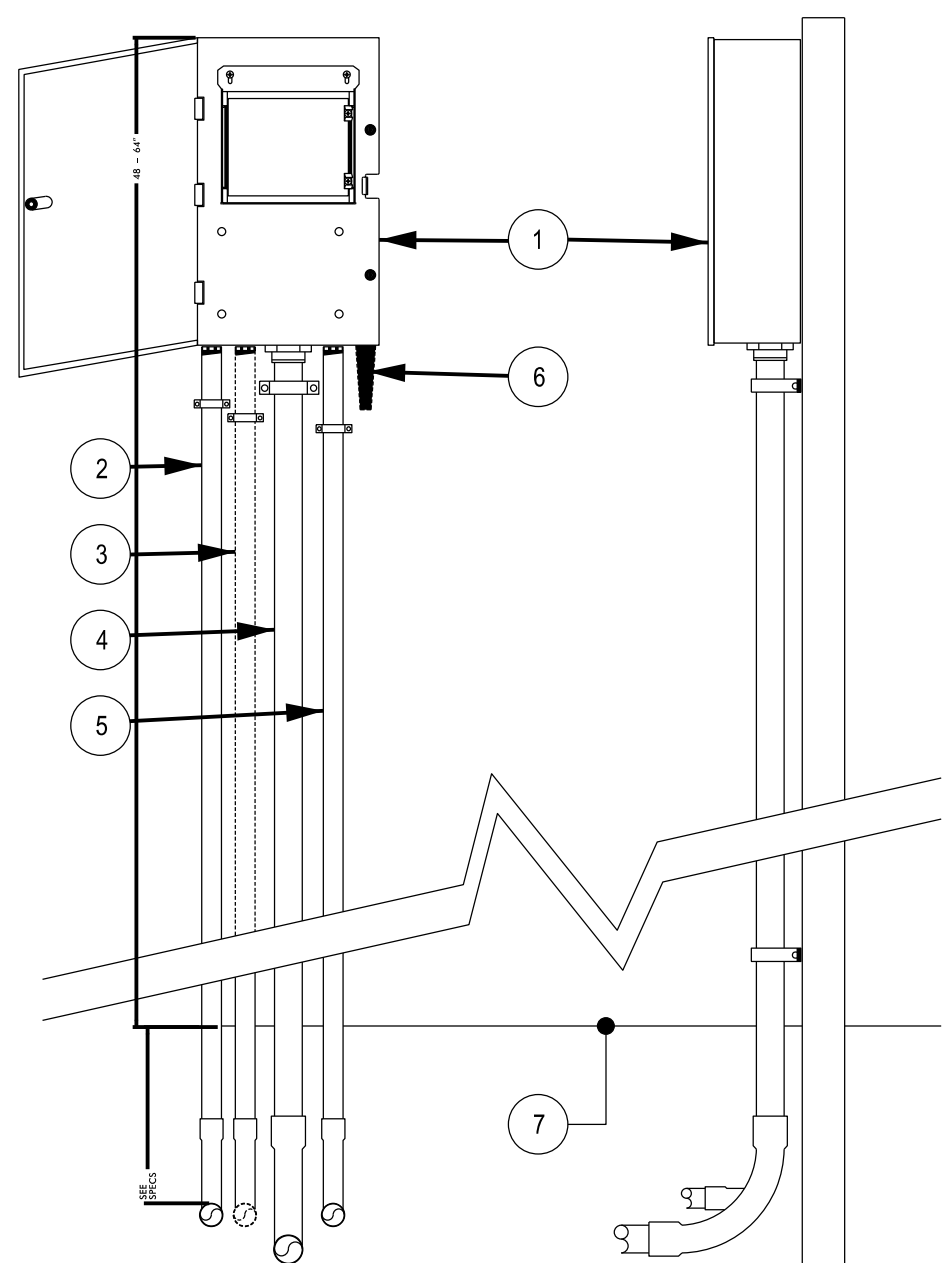
3 LANDSCAPE DRIPLINE ON GRADE
L-23 POTABLE SYSTEM (NOT TO SCALE)



NOTES:

1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.
2. DO NOT SCALE DRAWINGS.
3. INSTALL SPRINKLER AT FINISHED GRADE.

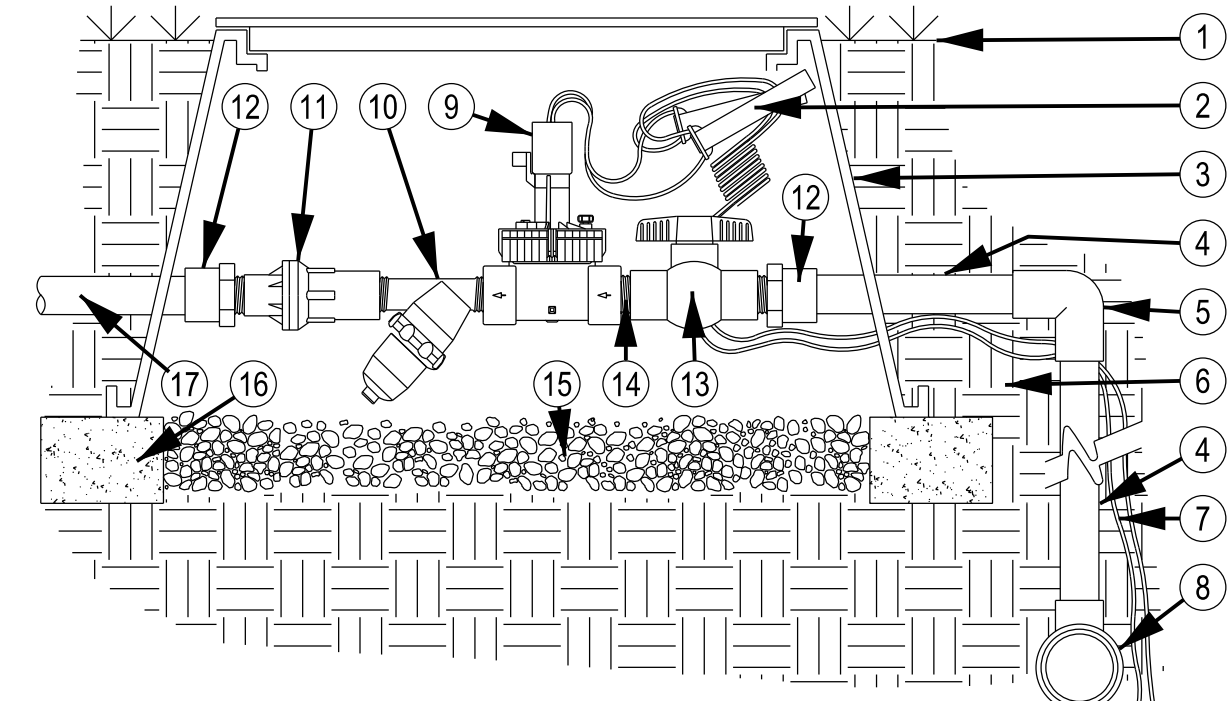
4 POP-UP SPRAY HEADS
L-23 SINGLE-STREAM SPRINKLER, SWING JOINT (NOT TO SCALE)



NOTES:

1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.
2. THE NEW CONTROLLER SHALL REPLACE THE EXISTING IRRIGATION CONTROLLER IN THE MECHANICAL ROOM OF THE REST AREA BUILDING.

5 CONTROLLER WALL MOUNT
L-23 WALL-MOUNT CONTROLLER, METAL (NOT TO SCALE)



LEGEND

1. FINISHED GRADE
2. WATERPROOF DRY SPLICE CONNECTORS
3. 12" VALVE BOX WITH COVER
4. PVC LATERAL LINE
5. SCH 40 PVC 90° ELL JOINT
6. NATIVE SOIL PER SPECIFICATIONS.
7. CONTROL WIRES TO CONTROLLER.
8. PVC MAINLINE FITTING.
9. REMOTE CONTROL VALVE
10. MESH SCREEN FILTER WITH FLUSH CAP
11. ADJUSTABLE PRESSURE REGULATOR
12. PVC SCH 40 FEMALE ADAPTER
13. MANUAL VALVE
14. PVC SCH 40 TRANSITION NIPPLE
15. WASHED GRAVEL SUMP (MIN. 3")
16. BRICK SUPPORTS
17. LATERAL LINE TO DRIP SYSTEM.

NOTES:

1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.
2. DO NOT SCALE DRAWINGS.

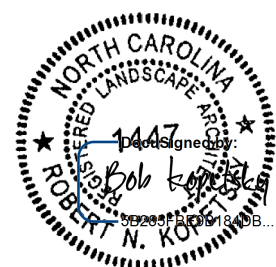
7 DRIP ZONE ASSEMBLY
L-23 VALVE ASSEMBLY (NOT TO SCALE)



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NORTHAMPTON WELCOME CENTER
NORTHAMPTON COUNTY

WBS #: 46305.3.58

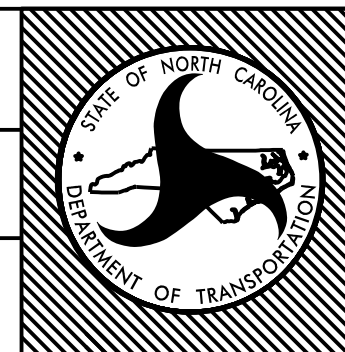


PREP. DESIGNER
Kyle Cooper

SHEET DESCRIPTION:

PREL. DESIGN DATE : JUNE 2018
CHECKED BY & DATE : B.KOPETSKY 9/25
FINAL DESIGN DATE : JULY 11, 2018

IRRIGATION PLAN
PLANT BED IRRIGATION



T.I.P. # - - - -
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SHEET NO : L-23
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