TOWN OF BEAUFORT
FIRE STATION #2 ADDITION
BEAUFORT, NORTH CAROLINA

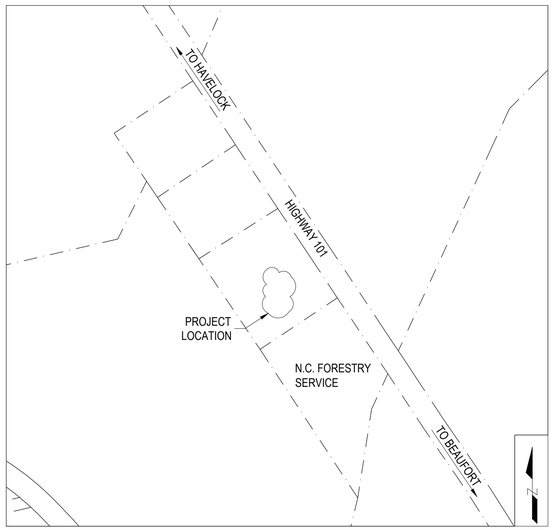
CARTERET COUNTY

DRAWINGS

COVER SHEET	C1 OF 12
EXISTING CONDITIONS & DEMOLITION PLAN	C2 OF 12
SITE PLAN	C3 OF 12
EROSION CONTROL PLAN	C4 OF 12
GRADING PLAN	C5 OF 12
STAKING PLAN	C6 OF 12
MISCELLANEOUS DETAILS	C7 OF 12
FLOOR PLAN	A1
ELEVATIONS	A2
LIGHTING & REFLECTED CEILING PLANS	A3
DECON ROOM PLAN & ELEVATIONS	A4
DECON ROOM SECTION	A5

SYMBOLS & ABBREVIATIONS

CONC	CONCRETE
EL/ELEV	ELEVATION
EX	EXISTING
FFE	FINISHED FLOOR ELEVATION
GALV	GALVANIZED
HC	HANDICAP
HDG	HOT DIPPED GALVANIZED
I.A.W.	IN ACCORDANCE WITH
MAX	MAXIMUM
MBL	MINIMUM BUILDING LINE
MIN	MINIMUM
N/F	NOW OR FORMERLY
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
PSI	POUNDS PER SQUARE INCH
PVC	POLYVINYL CHLORIDE
SF	SQUARE FEET
SYP	SOUTHERN YELLOW PINE
TRTD	TREATED
TYP	TYPICAL
W/	WITH
@	AT
Ø	DIAMETER
±	PLUS/MINUS



VICINITY MAP

SCALE: 1" = 200'

PROJECT DATA

NAME OF PROJECT:
TOWN OF BEAUFORT
FIRE STATION #2 ADDITION
BEAUFORT, NORTH CAROLINA

PREPARED BY:
ARENDELL ENGINEERS
1004 ARENDELL STREET
MOREHEAD CITY, NC 28557
PHONE: (252) 622-4338
EMAIL: JOHN@ARENDELLENGINEERS.COM

OWNER:
TOWN OF BEAUFORT
701 FRONT STREET
BEAUFORT, NC 28516

CONSTRUCTION NOTES

GENERAL
1. CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING ALL NORTH CAROLINA BUILDING CODES INCLUDING BUT NOT LIMITED ELECTRICAL, PLUMBING, MECHANICAL, ETC.
2. CONTRACTOR TO PROVIDE ALL NECESSARY ENGINEERING FOR PERMIT SUBMITTAL & CONSTRUCTION.

STRUCTURAL DESIGN
1. PRE-ENGINEERED STEEL BUILDING SHALL BE RATED FOR A 150 MPH ULTIMATE WIND SPEED.
2. EXPOSURE CATEGORY - C
3. CONCRETE FOR FOUNDATION SHALL BE 3,000 PSI MINIMUM.
4. INTERIOR SLAB ON GRADE CONCRETE SHALL BE 4,000 PSI MINIMUM
5. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NECESSARY ENGINEERING.

FRAMING
1. ALL INTERIOR STUDS TO BE 2X4 SOUTHERN YELLOW PINE. ANY LUMBER IN CONTACT WITH CONCRETE SHALL BE TREATED FOR GROUND CONTACT.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WALL INSTALLATION WITH PRE-ENGINEERED STEEL SHELL.

ELECTRICAL
1. NO OUTLETS TO BE LOCATED IN STORAGE AREA OTHER THAN THOSE IDENTIFIED.
2. LIGHTS & OUTLETS TO MATCH EXISTING FIXTURES IN FIRE STATION

HVAC
1. CONTRACTOR SHALL PROVIDE SEPARATE HVAC UNIT FOR DECON ROOM.
2. SIZE OF HVAC UNIT TO BE DETERMINED BY CONTRACTOR FOR ADEQUATE TEMPERATURE AND HUMIDITY CONTROL.

811 Know what's below. Call before you dig.

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PROJECT MANAGER: JJW
DESIGNED: JJW
DRAWN BY: JJW
CHECKED: JJW
SCALE: NOT TO SCALE
DATE: 08/18/2026

ARENDELL ENGINEERS
CIVIL · COASTAL · ENVIRONMENTAL
1004 Arendell Street
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Fax: (252) 622-4505
www.arendellengineers.com
North Carolina Certification No. C-1509

OWNER:
TOWN OF BEAUFORT
701 FRONT STREET
BEAUFORT, NC 28516

PROJECT:
FIRE STATION #2 ADDITION
2731 HIGHWAY 101
BEAUFORT, NORTH CAROLINA

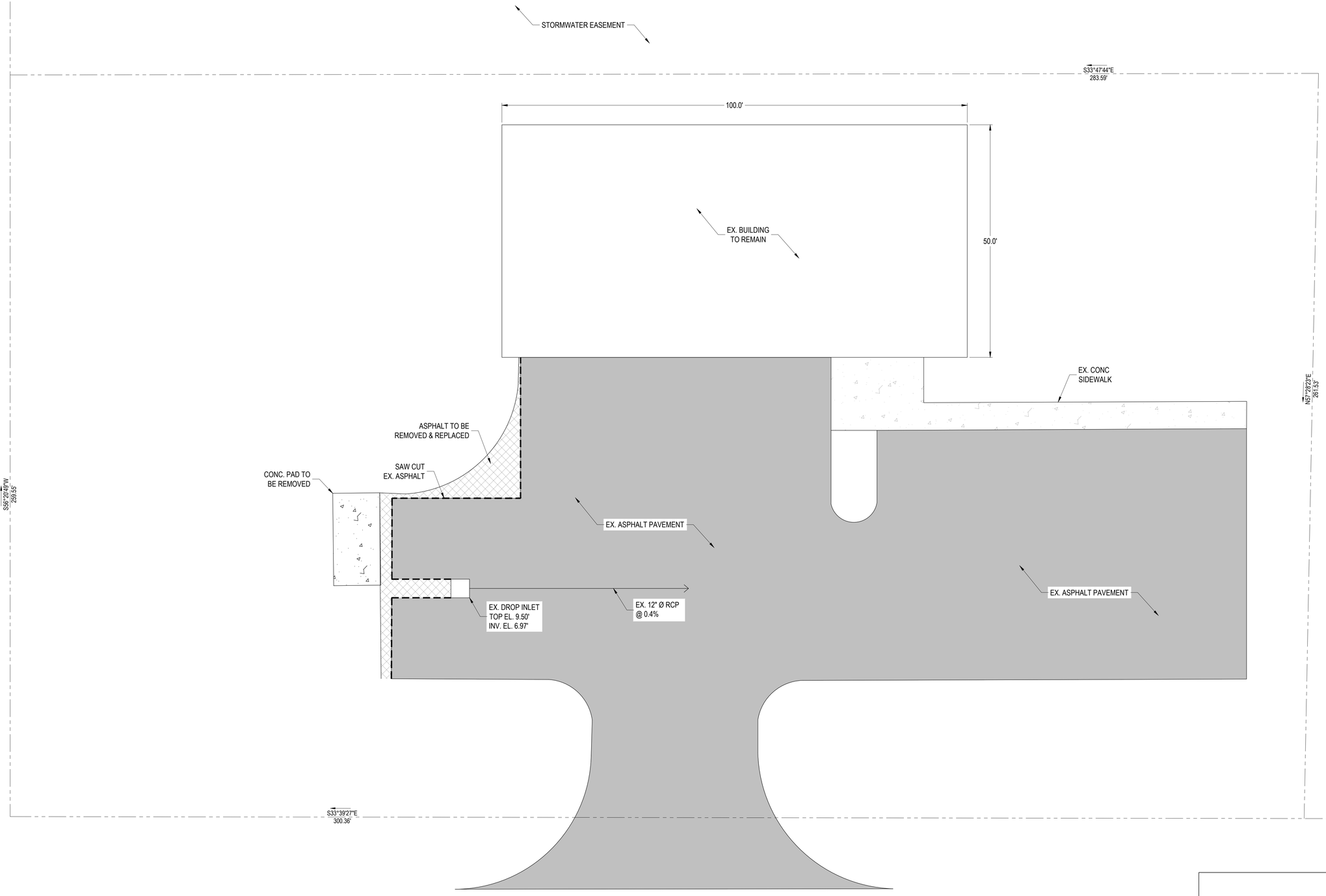
CARTERET COUNTY, NC

DRAWING:
COVER SHEET

NORTH CAROLINA PROFESSIONAL SEAL 42158 ENGINEER JOHN J. WADE

NO.	REVISION	BY	DATE

SHEET NO: C1
OF: 12
JOB NO. 26047



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PROJECT MANAGER: JJW

DESIGNED: JJW

DRAWN BY: JJW

CHECKED: JJW

SCALE: 1" = 10'

DATE: 08/18/2026

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BEAUFORT, NC 28516

PROJECT:

FIRE STATION #2 ADDITION
2731 HIGHWAY 101
BEAUFORT, NORTH CAROLINA

CARTERET COUNTY, NC

DRAWING:

EXISTING CONDITIONS &
DEMOLITION PLAN

NORTH CAROLINA PROFESSIONAL SEAL 42158 ENGINEER JOHN J. WADE

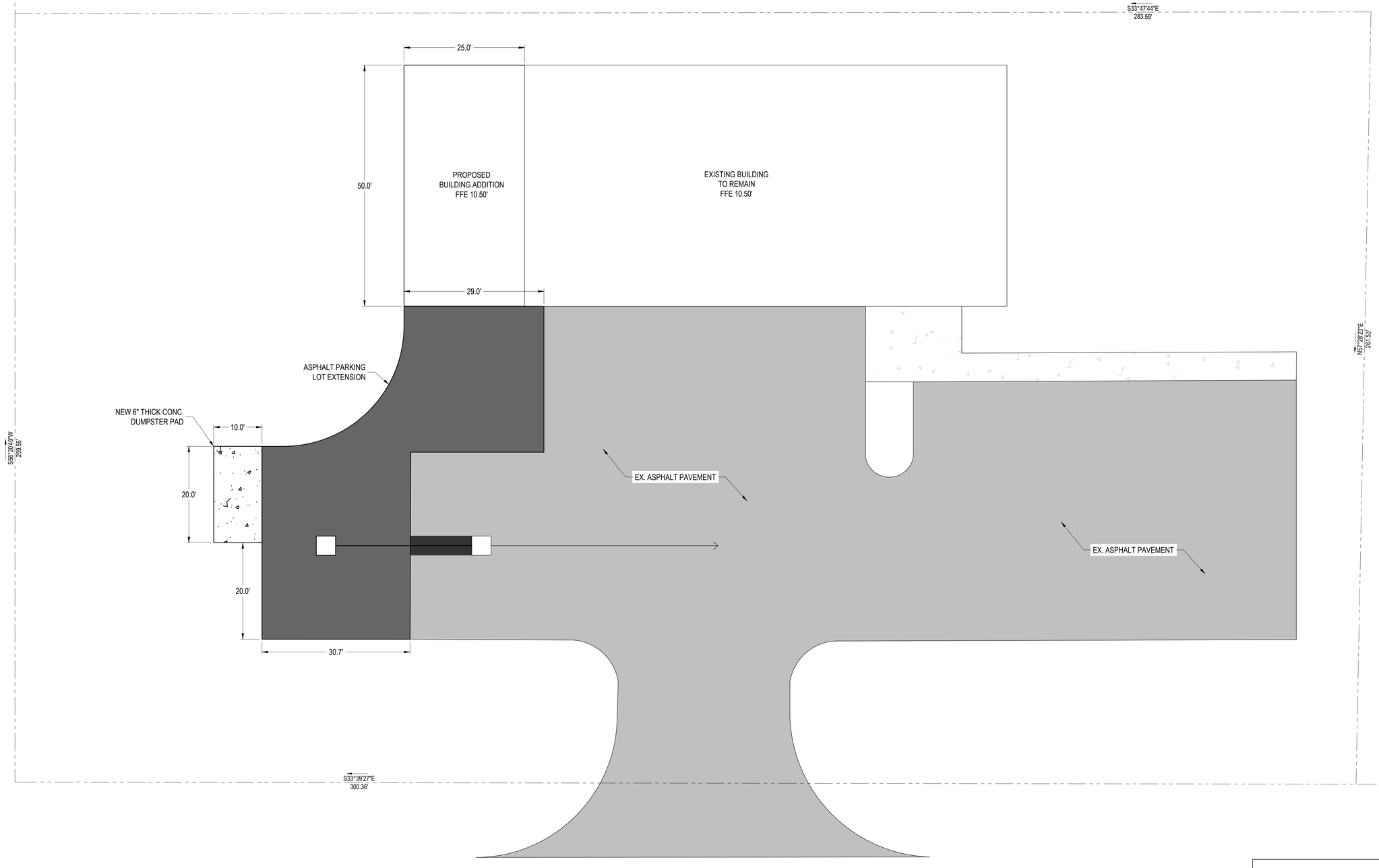
NO.	REVISION	BY	DATE

SHEET NO:

C2

OF: 12

JOB NO. 26047



SCALE (IN FEET):

10' 0' 10' 20'

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DATE: 08/18/2026

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FIRE STATION #2 ADDITION
2731 HIGHWAY 101
BEAUFORT, NORTH CAROLINA

CARTERET COUNTY, NC

DRAWING:

SITE PLAN

NORTH CAROLINA PROFESSIONAL SEAL 42158 ENGINEER JOHN J. WILLIS
08/18/2026

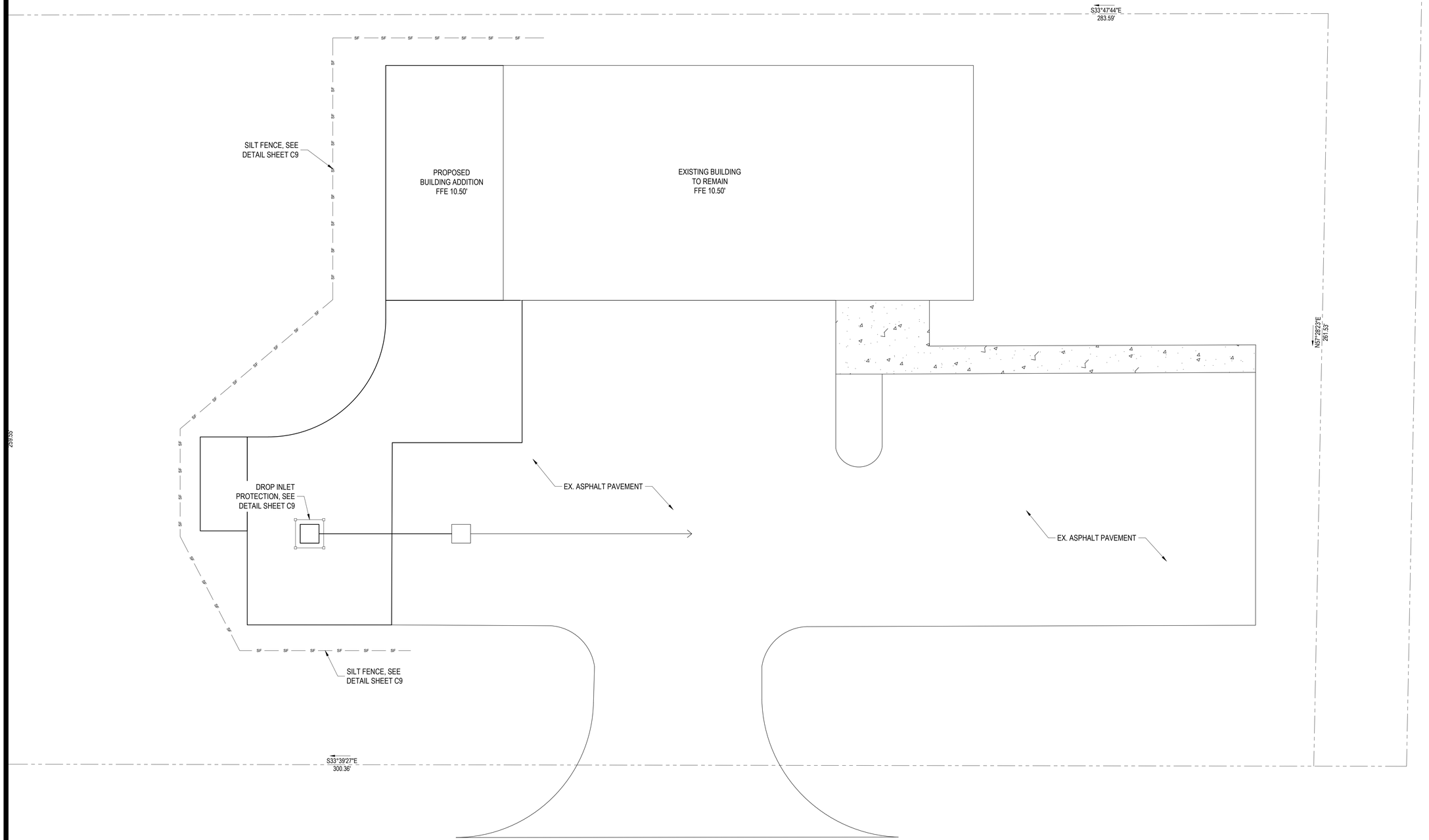
NO.	REVISION	BY	DATE

SHEET NO:

C3

OF: 12

JOB NO. 26047



SCALE (IN FEET):

10' 0' 10' 20'

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DESIGNED: JJW

DRAWN BY: JJW

CHECKED: JJW

SCALE: 1" = 10'

DATE: 08/18/2026

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BEAUFORT, NC 28516

PROJECT:

FIRE STATION #2 ADDITION
2731 HIGHWAY 101
BEAUFORT, NORTH CAROLINA

CARTERET COUNTY, NC

DRAWING:

EROSION CONTROL PLAN

NORTH CAROLINA PROFESSIONAL SEAL 42158 ENGINEER JOHN J. WISE

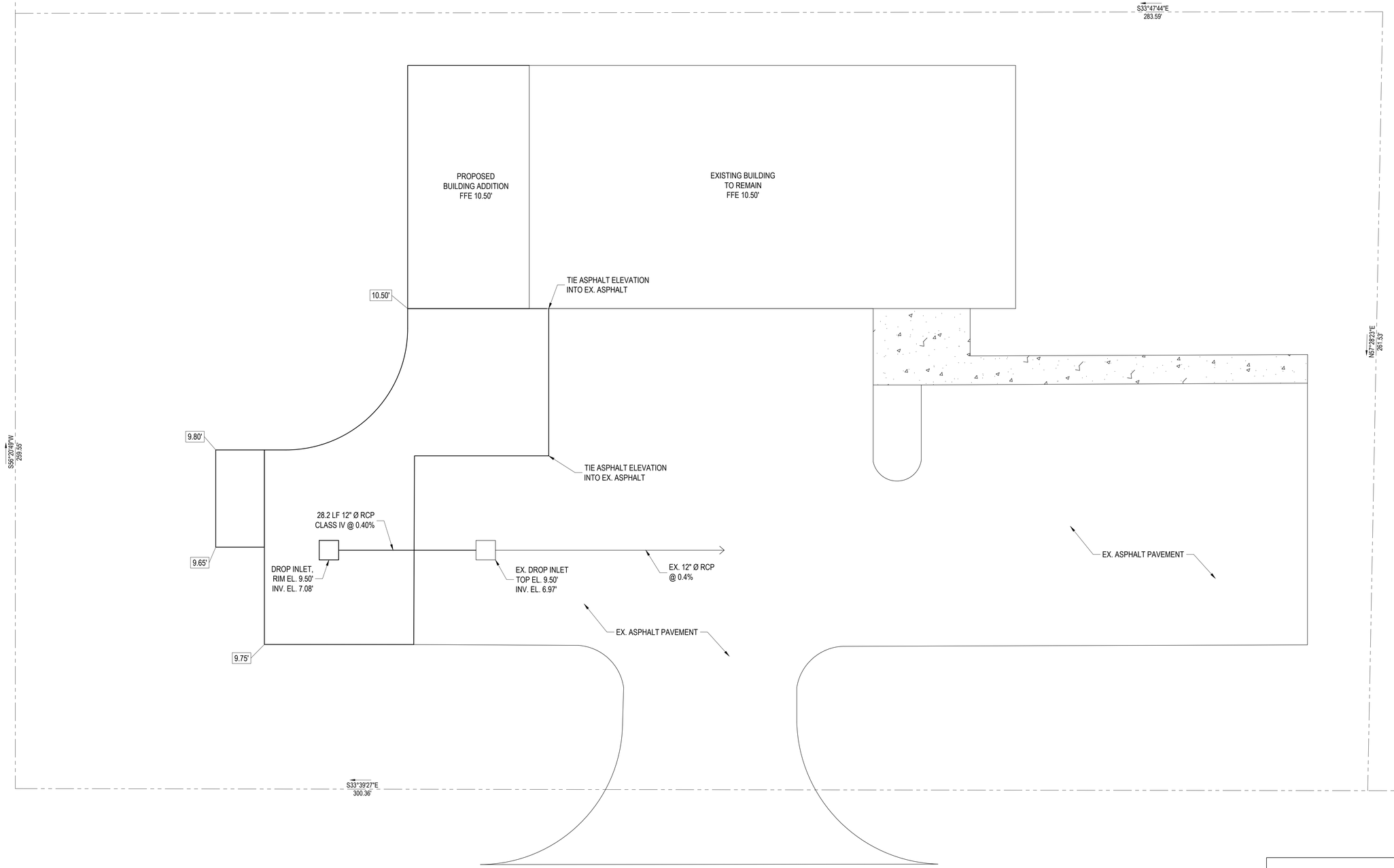
NO.	REVISION	BY	DATE

SHEET NO:

C4

OF: 12

JOB NO. 26047



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DESIGNED: JJW

DRAWN BY: JJW

CHECKED: JJW

SCALE: 1" = 10'

DATE: 08/18/2026

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PROJECT:

FIRE STATION #2 ADDITION
2731 HIGHWAY 101
BEAUFORT, NORTH CAROLINA

CARTERET COUNTY, NC

DRAWING:

GRADING PLAN

NORTH CAROLINA PROFESSIONAL SEAL 42158 ENGINEER JOHN J. WADE

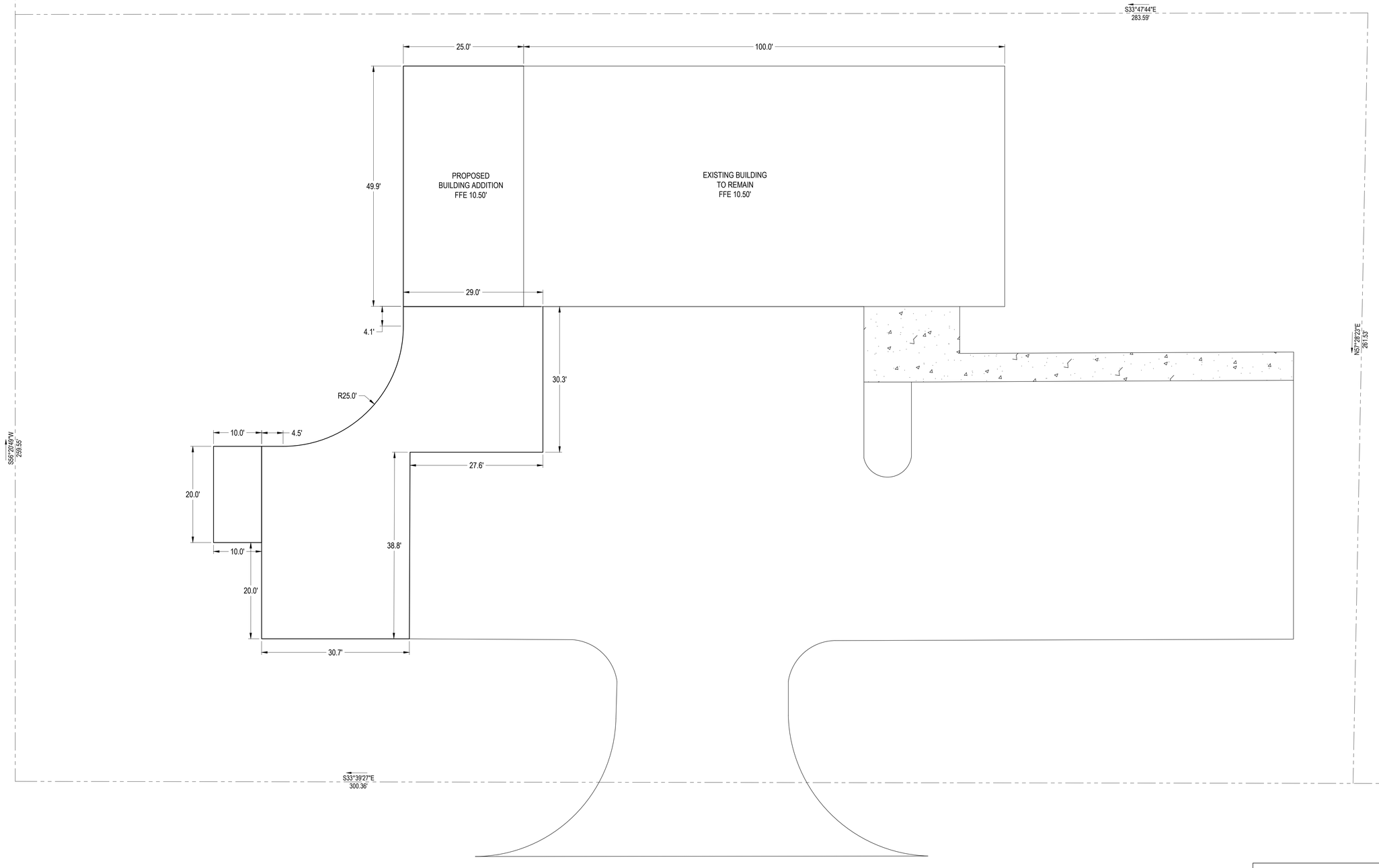
NO.	REVISION	BY	DATE

SHEET NO:

C5

OF: 12

JOB NO. 26047



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10' 0' 10' 20'

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PROJECT MANAGER: JJW

DESIGNED: JJW

DRAWN BY: JJW

CHECKED: JJW

SCALE: 1" = 10'

DATE: 08/18/2026

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PROJECT:

FIRE STATION #2 ADDITION
2731 HIGHWAY 101
BEAUFORT, NORTH CAROLINA

CARTERET COUNTY, NC

DRAWING:

STAKING PLAN

NORTH CAROLINA PROFESSIONAL SEAL 42158 ENGINEER JOHN J. WADE

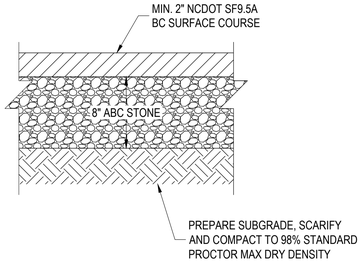
NO.	REVISION	BY	DATE

SHEET NO:

C7

OF: 12

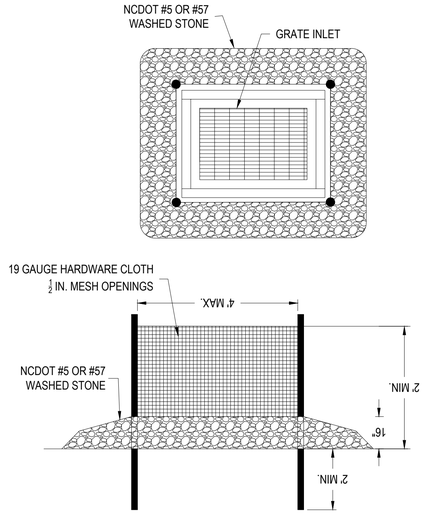
JOB NO. 26047



NOTES:
1. PROVIDE AGGREGATE BASE COURSE IN ACCORDANCE WITH NCDOT SPECIFICATIONS, SECTION 520. COMPACT TO 100% DENSITY IN ACCORDANCE WITH AASHTO T-99.
2. PROOF ROLLING MAY BE USED IN LIEU OF DENSITY TESTING USE 50 TON DUMP TRUCK OR HEAVY ROLLER. PROOF ROLL IN PRESENCE OF THE ENGINEER. AREAS TOO SMALL TO ALLOW PROOF ROLLING SHALL BE TESTED AS REQUIRED IN PRESENCE OF ENGINEER.

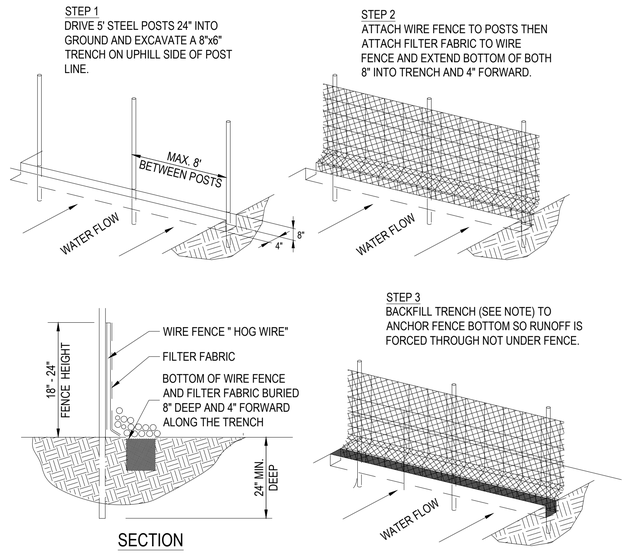
ASPHALT PAVEMENT - TYPICAL SECTION

SCALE: NOT TO SCALE



TRENCH/DROP INLET PROTECTION

SCALE: NOT TO SCALE

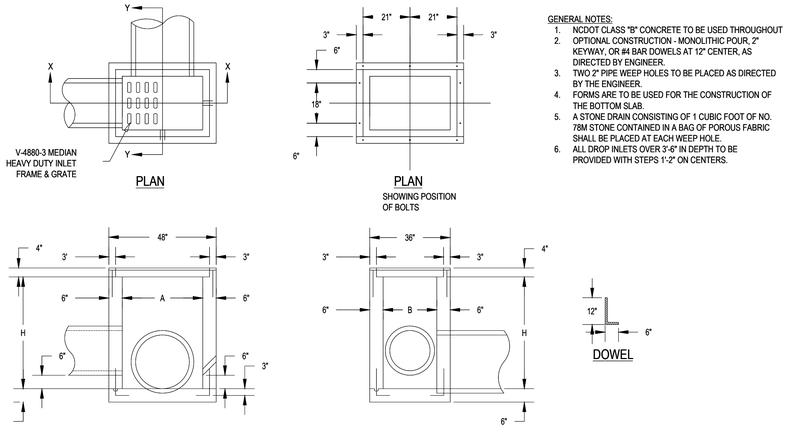


SECTION

NOTES:
1. SEE EROSION CONTROL GENERAL NOTES.
2. FILTER FABRIC BOTTOM SHALL BE PLACED 8" IN TRENCH AND 4 " FORWARD AND SECURED BY EITHER WASHED STONE EXTENDING A MINIMUM OF 6" ABOVE GROUND LEVEL OR TAMPED SOIL BACKFILL MATERIAL TO GROUND LEVEL OR HIGHER.

TEMPORARY SILT FENCE

SCALE: NOT TO SCALE



GENERAL NOTES:
1. NCDOT CLASS "B" CONCRETE TO BE USED THROUGHOUT
2. OPTIONAL CONSTRUCTION - MONOLITHIC POUR, 2" KEYWAY, OR #4 BAR DOWELS AT 12" CENTER, AS DIRECTED BY ENGINEER.
3. TWO 2" PIPE WEEP HOLES TO BE PLACED AS DIRECTED BY THE ENGINEER.
4. FORMS ARE TO BE USED FOR THE CONSTRUCTION OF THE BOTTOM SLAB.
5. A STONE DRAIN CONSISTING OF 1 CUBIC FOOT OF NO. 78M STONE CONTAINED IN A BAG OF POROUS FABRIC SHALL BE PLACED AT EACH WEEP HOLE.
6. ALL DROP INLETS OVER 3'-6" IN DEPTH TO BE PROVIDED WITH STEPS 1'-2" ON CENTERS.

DIMENSIONS AND QUANTITIES FOR DROP INLET

DIMENSIONS OF BOX & PIPE				CUBIC YARDS IN BOX		TOTAL QUANTITIES BOX & COVER	DEDUCTIONS FOR ONE PIPE	
PIPE	SPSAN	WIDTH	HEIGHT	FLOOR & COPING	WALL / FT. H	CU. YDS. MIN. H	C.M.	R.C.
D	A	B	H					
12"	3'-0"	2'-0"	2'-8"	0.262	0.222	0.855	0.015	0.024
~~15"~~	~~3'-6"~~	~~2'-6"~~	~~3'-3"~~	~~0.362~~	~~0.222~~	~~0.855~~	~~0.020~~	~~0.033~~
~~18"~~	~~3'-6"~~	~~2'-6"~~	~~3'-3"~~	~~0.362~~	~~0.222~~	~~1.061~~	~~0.020~~	~~0.033~~
~~21"~~	~~3'-6"~~	~~2'-6"~~	~~4'-3"~~	~~0.362~~	~~0.222~~	~~1.267~~	~~0.020~~	~~0.033~~
~~24"~~	~~3'-6"~~	~~2'-6"~~	~~4'-3"~~	~~0.362~~	~~0.222~~	~~1.267~~	~~0.020~~	~~0.033~~

STANDARD CONCRETE DROP INLET

12" THRU 24" PIPE

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DRAWN BY: JJW
CHECKED: JJW
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DATE: 08/18/2026

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OWNER:
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701 FRONT STREET
BEAUFORT, NC 28516

PROJECT:
FIRE STATION #2 ADDITION
2731 HIGHWAY 101
BEAUFORT, NORTH CAROLINA

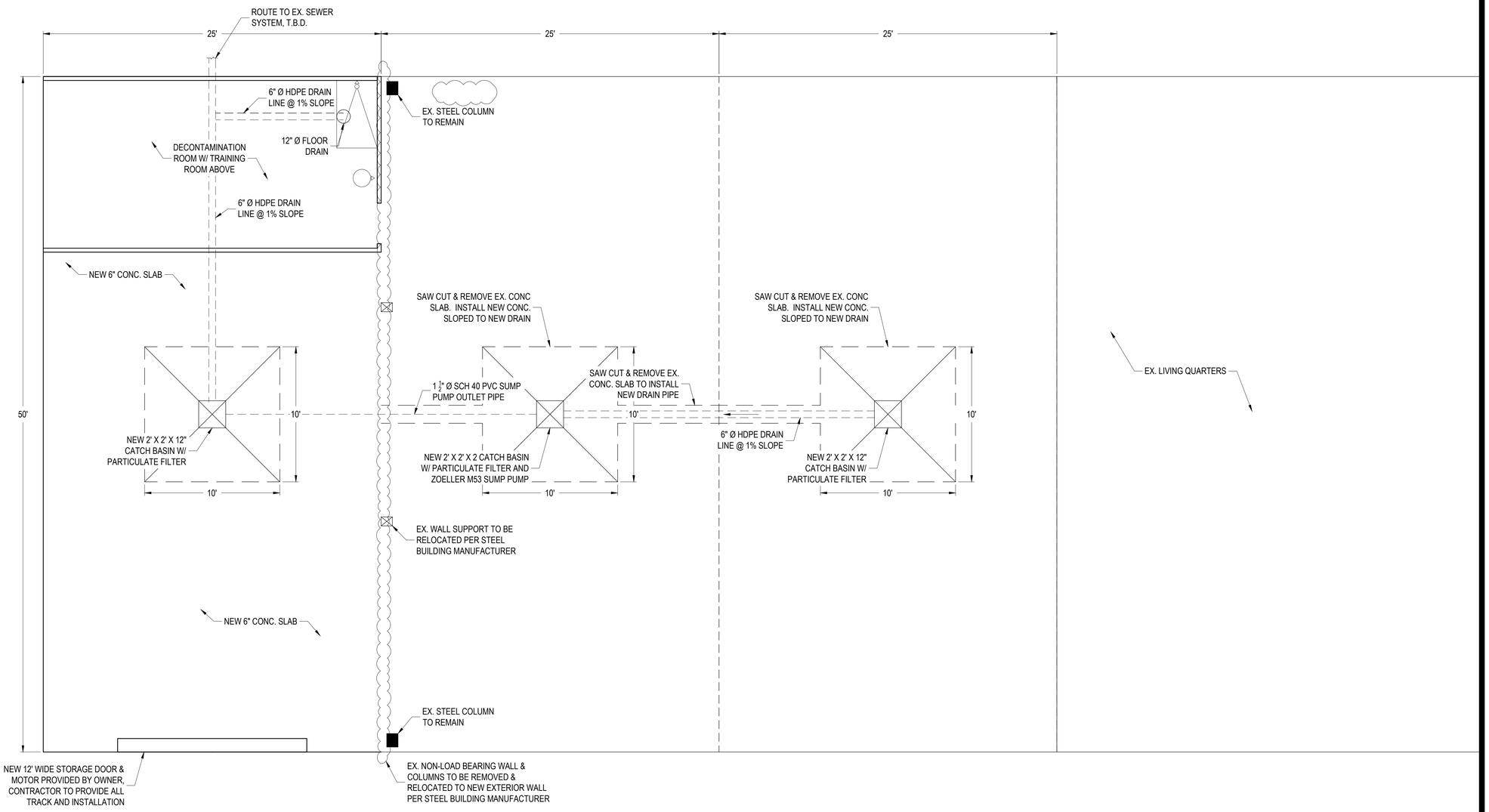
CARTERET COUNTY, NC

DRAWING:
MISCELLANEOUS DETAILS

NORTH CAROLINA PROFESSIONAL SEAL 42158 ENGINEER JOHN J. WADE

NO.	REVISION	BY	DATE

SHEET NO: C9
OF: 12
JOB NO. 26047



SHEET A1 - FLOOR PLAN

SCALE: ¼" = 1' 0"

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PROJECT MANAGER: JJW

DESIGNED: JJW

DRAWN BY: JJW

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SCALE: AS SHOWN

DATE: 08/18/2026

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TOWN OF BEAUFORT
701 FRONT STREET
BEAUFORT, NC 28516

PROJECT:

FIRE STATION #2 ADDITION
2731 HIGHWAY 101
BEAUFORT, NORTH CAROLINA

CARTERET COUNTY, NC

DRAWING:

FLOOR PLAN

NORTH CAROLINA PROFESSIONAL SEAL 42158 ENGINEER JOHN J. WILDE

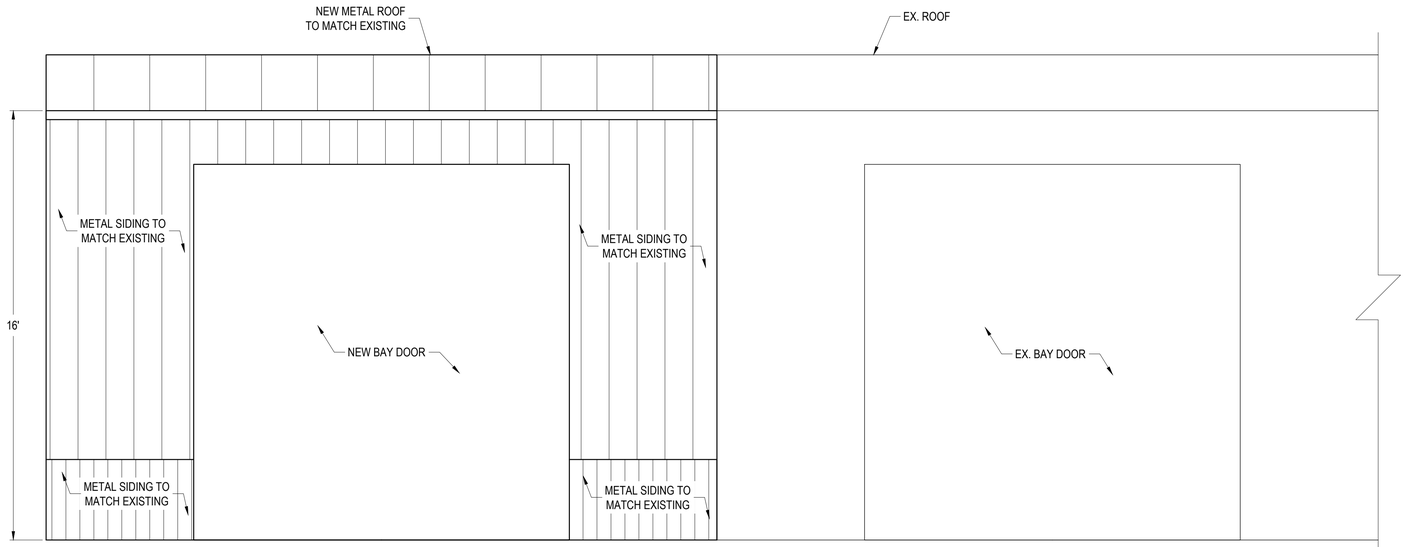
NO.	REVISION	BY	DATE

SHEET NO:

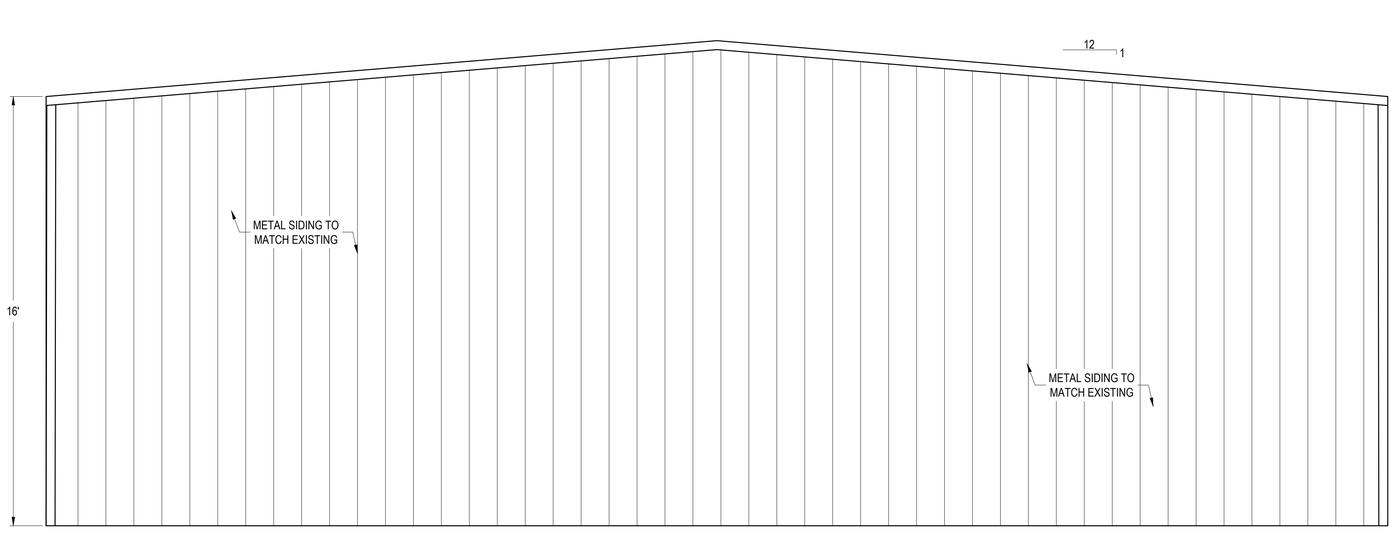
A1

OF: 12

JOB NO. 26047



STREET ELEVATION



SHEET A2 - ELEVATIONS

SCALE: 3/8" = 1' 0"

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DESIGNED: JJW

DRAWN BY: JJW

CHECKED: JJW

SCALE: AS SHOWN

DATE: 08/18/2026

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FIRE STATION #2 ADDITION
2731 HIGHWAY 101
BEAUFORT, NORTH CAROLINA

CARTERET COUNTY, NC

DRAWING:

ELEVATIONS

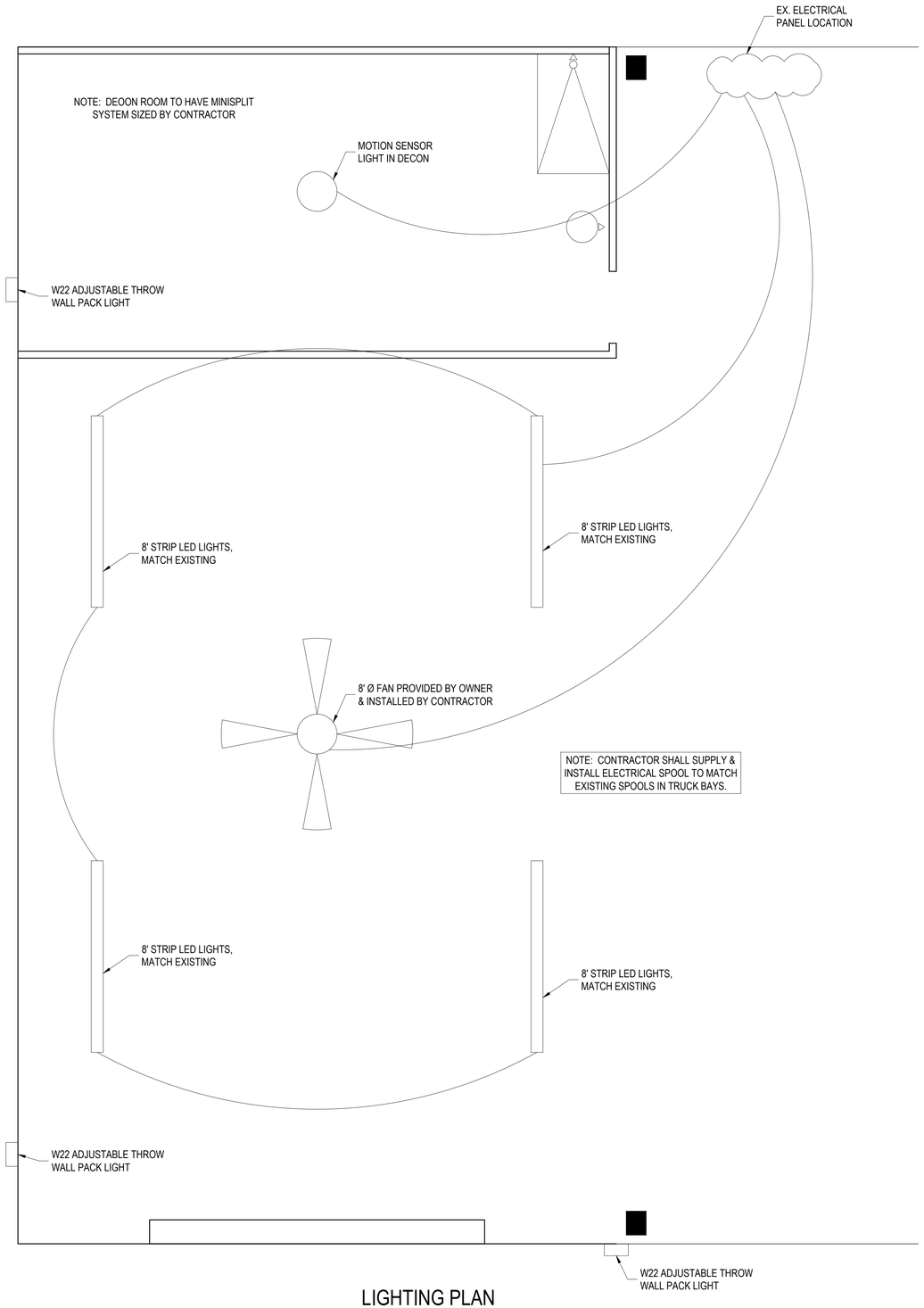
NO.	REVISION	BY	DATE

SHEET NO:

A2

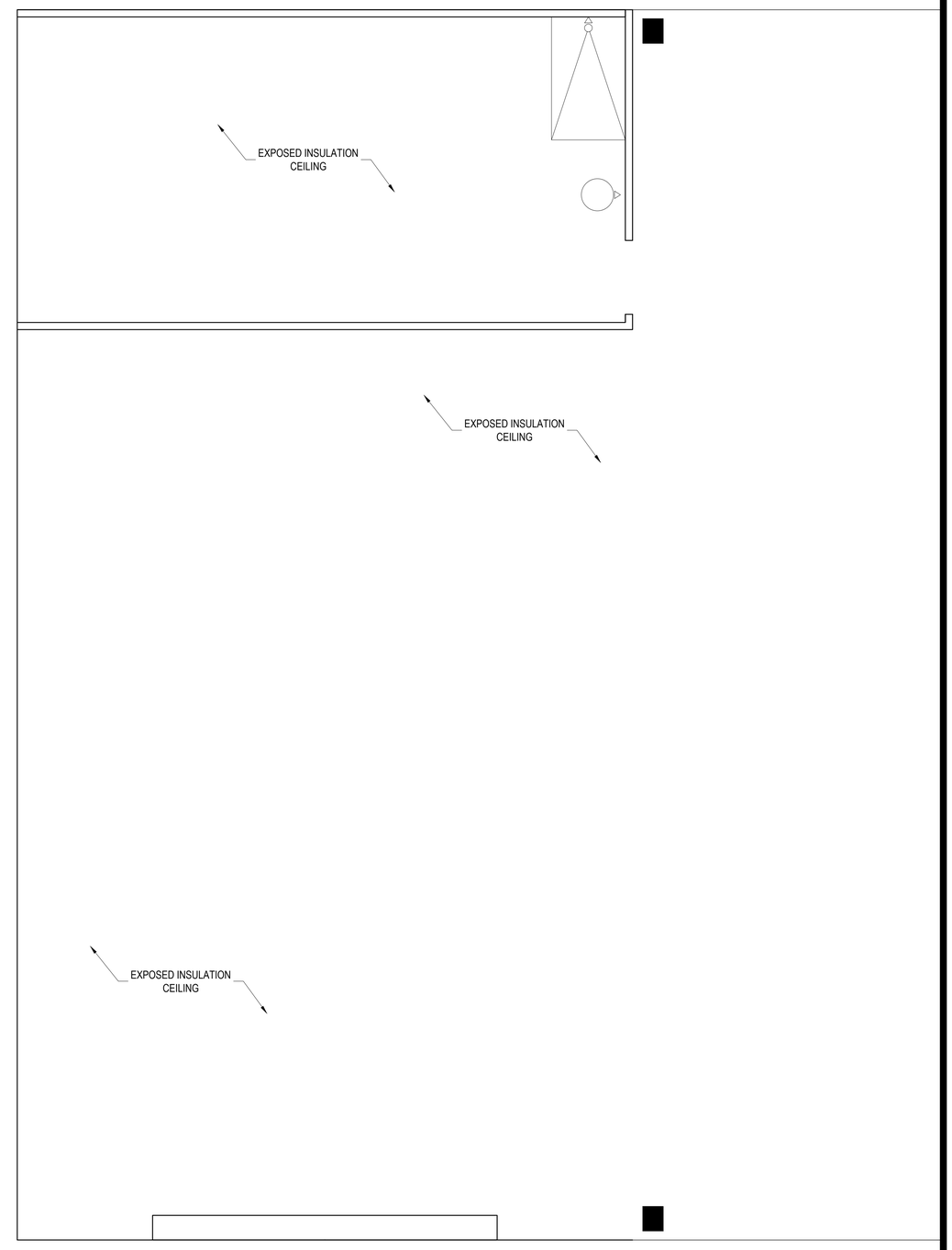
OF: 12

JOB NO. 26047



LIGHTING PLAN

SCALE: $\frac{3}{8}$" = 1' 0"



REFLECTED CEILING PLAN

SCALE: $\frac{3}{8}$" = 1' 0"

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DESIGNED: JJW

DRAWN BY: JJW

CHECKED: JJW

SCALE: AS SHOWN

DATE: 08/18/2026

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BEAUFORT, NC 28516

PROJECT:

FIRE STATION #2 ADDITION
2731 HIGHWAY 101
BEAUFORT, NORTH CAROLINA

CARTERET COUNTY, NC

DRAWING:

LIGHTING & REFLECTED CEILING PLANS

NORTH CAROLINA PROFESSIONAL SEAL 42158 ENGINEER JOHN J. WADE

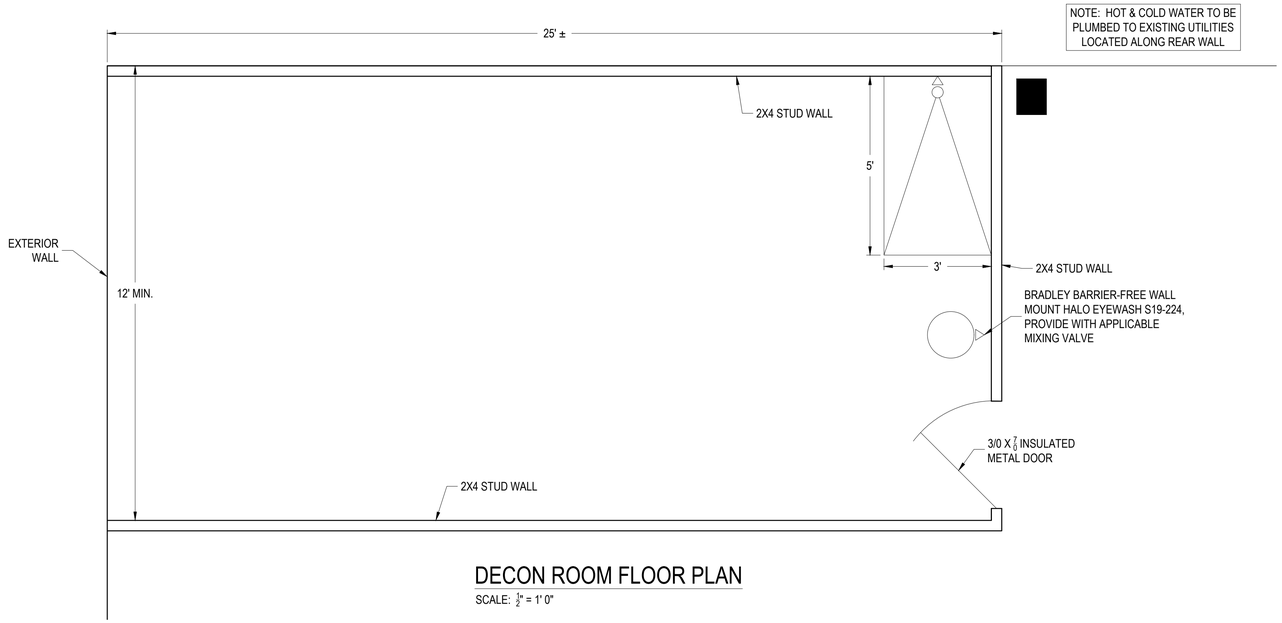
NO.	REVISION	BY	DATE

SHEET NO:

A3

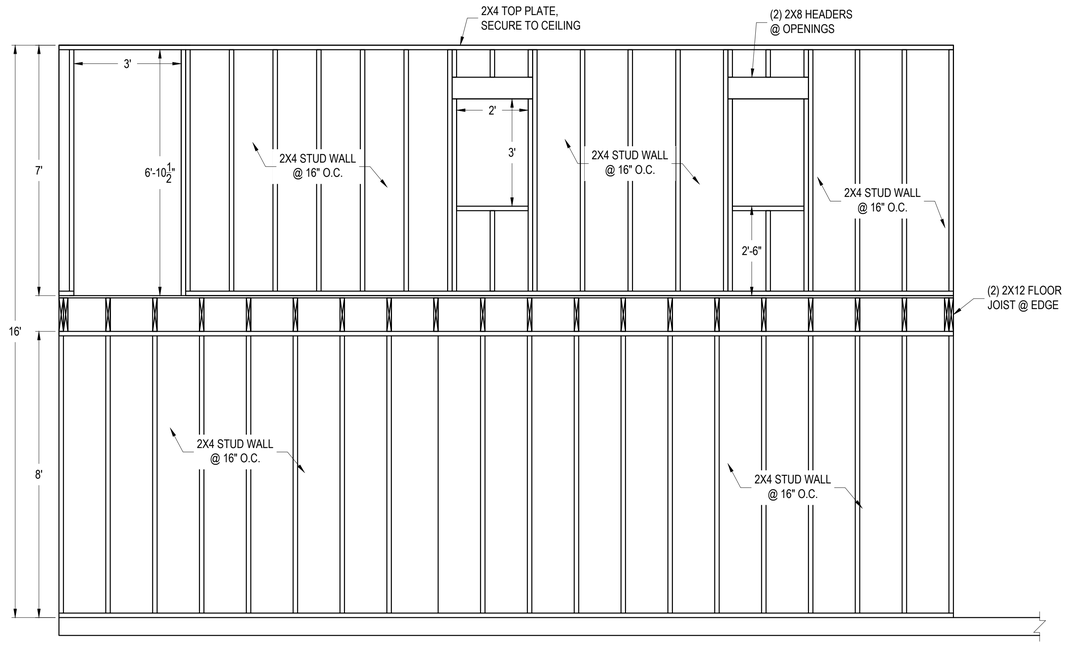
OF: 12

JOB NO. 26047



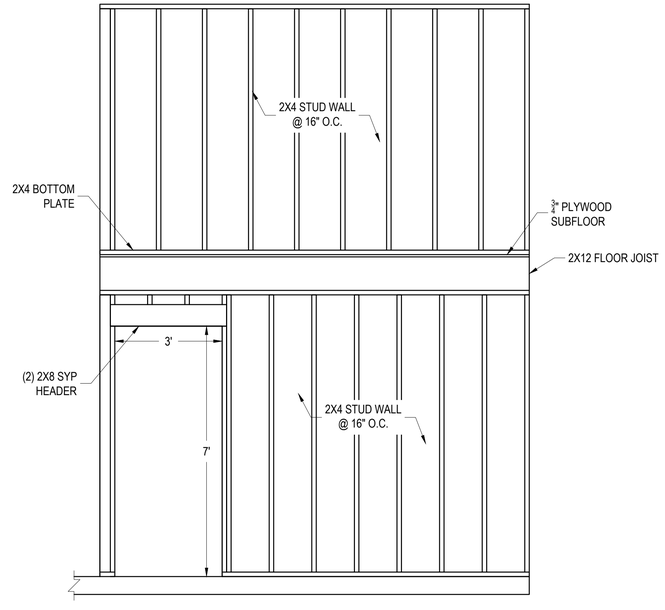
DECON ROOM FLOOR PLAN

SCALE: 1/2" = 1' 0"



DECON ROOM - FRONT ELEVATION

SCALE: 1/2" = 1' 0"



DECON ROOM - SIDE ELEVATION

SCALE: 1/2" = 1' 0"

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PROJECT MANAGER: JJW

DESIGNED: JJW

DRAWN BY: JJW

CHECKED: JJW

SCALE: AS SHOWN

DATE: 08/18/2026

ARENDELL ENGINEERS
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North Carolina Certification No. C-1509

OWNER:

TOWN OF BEAUFORT
701 FRONT STREET
BEAUFORT, NC 28516

PROJECT:

FIRE STATION #2 ADDITION
2731 HIGHWAY 101
BEAUFORT, NORTH CAROLINA

CARTERET COUNTY, NC

DRAWING:

DECON ROOM FLOOR PLAN & ELEVATIONS

NORTH CAROLINA PROFESSIONAL SEAL 42158 ENGINEER JOHN J. WADE

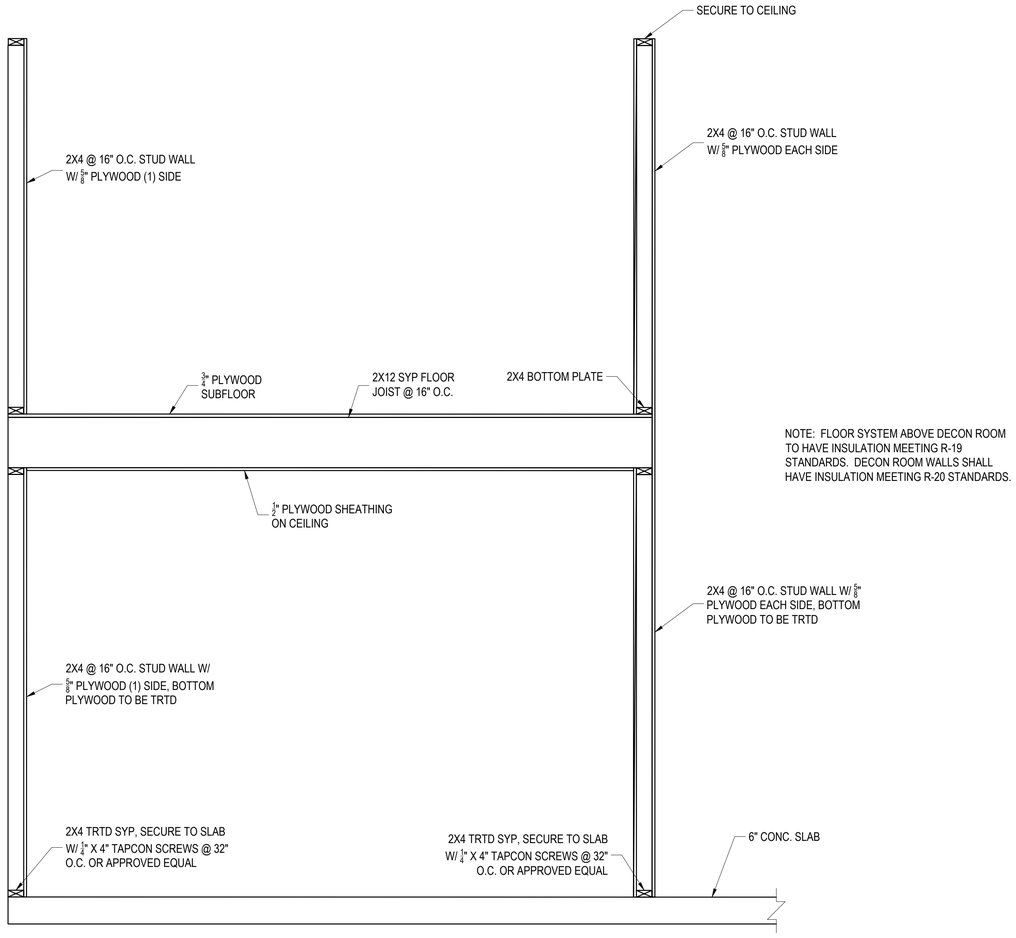
NO.	REVISION	BY	DATE

SHEET NO:

A4

OF: 12

JOB NO. 26047



NOTE: FLOOR SYSTEM ABOVE DECON ROOM TO HAVE INSULATION MEETING R-19 STANDARDS. DECON ROOM WALLS SHALL HAVE INSULATION MEETING R-20 STANDARDS.

DECON ROOM - SECTION

SCALE: 3/4" = 1' 0"

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CARTERET COUNTY, NC

DRAWING:

DECON ROOM SECTION

NORTH CAROLINA PROFESSIONAL SEAL 42158 ENGINEER JOHN J. WADE

NO.	REVISION	BY	DATE

SHEET NO: A5

OF: 12

JOB NO. 26047