

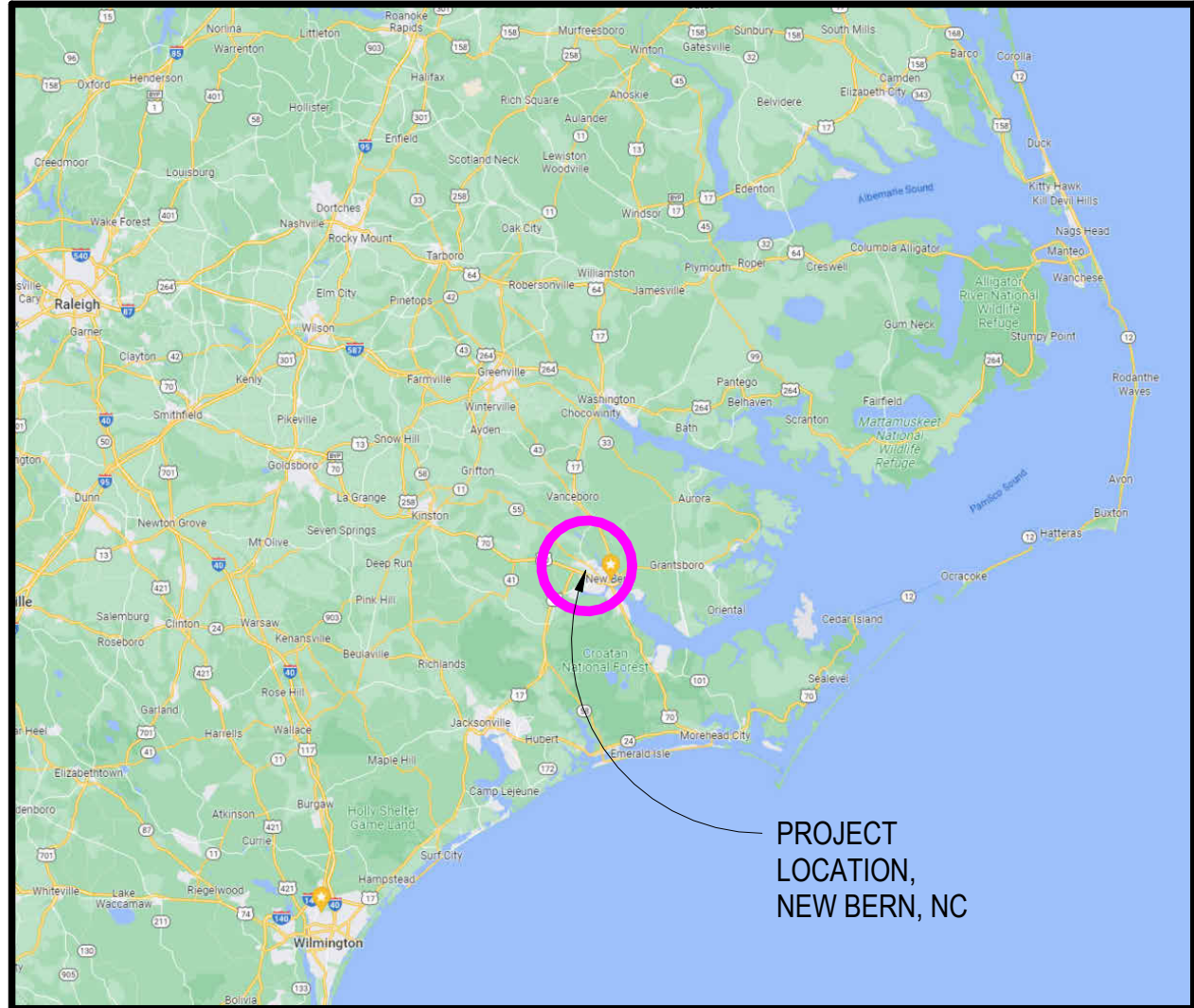
Craven Community College Public Safety Training Center

525 Executive Parkway New Bern, NC 28562

SCO# 24-27879-01A



VICINITY MAP



LOCATION MAP



PROJECT SITE



ADDITIVE BID ALTERNATES

BID ALTERNATE 01:
PROVIDE BURN DRILL TOWER. INCLUDING CONCRETE FOUNDATION, AND CONCRETE FLOOR SYSTEMS.

BID ALTERNATE 02:
PROVIDE MODULAR CLASSROOM BUILDING, INCLUDING ACCESSIBLE STAIRS/RAMP AND FOUNDATION.

BID ALTERNATE 03:
PROVIDE (2) REHAB SHELTERS. INCLUDING LIGHTING AND FOUNDATION/SLAB FOR OWNER PROVIDED AND INSTALLED METAL CANOPIES.

BID ALTERNATE 04:
PROVIDE FLOOD LIGHTING FOR DRIVER TRAINING PAD. (4) FIXTURES, POLES, FOUNDATIONS, ASSOCIATED POWER AND CONTROLS.

BID ALTERNATE 05:
PROVIDE CONCRETE FOUNDATION AND SLAB FOR GATEHOUSE BUILDING. PROVIDE MECHANICAL SYSTEM, POWER AND LIGHTING FOR OWNER PROVIDED AND INSTALLED GATEHOUSE STRUCTURE.

BID ALTERNATE 06:
OWNER PREFERRED ALTERNATE FOR INDOOR RANGE EQUIPMENT. INCLUDING RANGE MECHANICAL SYSTEM, RANGE STALLS, CEILING BAFFLES, WALL BAFFLES, TARGET RETRIEVAL SYSTEM & TARGETS, STEEL CONTAINMENT TRAP AND COLLECTION SYSTEM, AND RANGE CONTROL SYSTEM.

BID ALTERNATE 07:
PROVIDE OWNER PREFERRED ALTERNATE FOR BUILDING MECHANICAL SYSTEM CONTROLS. SEE MECHANICAL DRAWINGS.

BID ALTERNATE 08:
PROVIDE CENTIPEDE SOD PER CIVIL DRAWINGS, BASE BID WILL BE ESTABLISHING GRASS WITH SEED ONLY PER NOTE ON CG501.

GOVERNING REGULATIONS

BUILDING CODE:
NORTH CAROLINA STATE BUILDING CODE (2018)

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

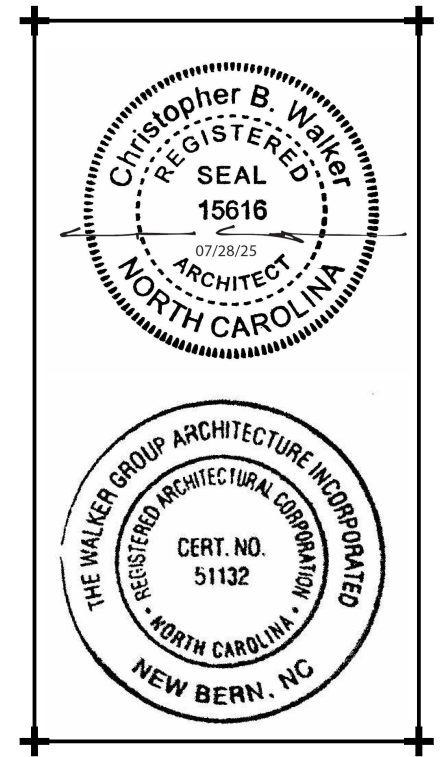
ELECTRICAL CODE:
NFPA 70, NATIONAL ELECTRIC CODE (2020 WITH NC AMENDMENTS)

PLUMBING CODE:
NORTH CAROLINA STATE PLUMBING CODE (2018)

MECHANICAL CODE:
NORTH CAROLINA STATE MECHANICAL CODE (2018)
NORTH CAROLINA FUEL GAS CODE. (2018)

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

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252-636-8778



**CRAVEN
COMMUNITY
COLLEGE-
PUBLIC SAFETY
TRAINING
CENTER**

**525 Executive Pkwy
New Bern, NC 28562**

**Bid Documents
SCO # 24-27879-01A**

No.	Date	Revisions
1	01.08.25	ADDENDUM

Project Number
2407.SAFE

Drawn
EC

Scale
AS NOTED

Drawing Title

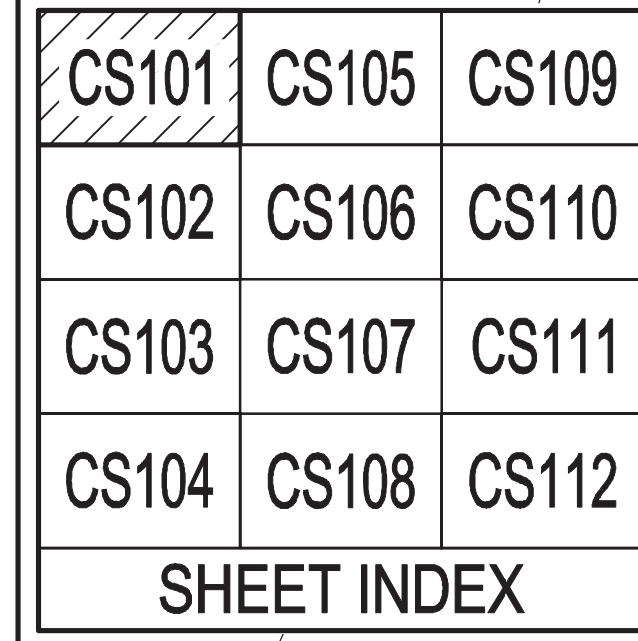
Date
07/28/25

Checked
CBW

**TITLE SHEET &
LOCATION MAPS**

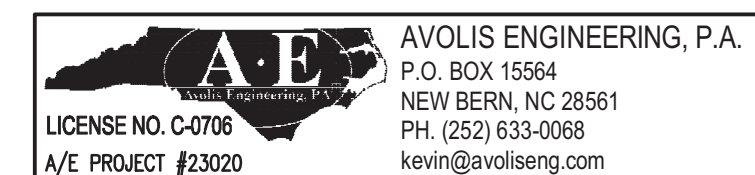
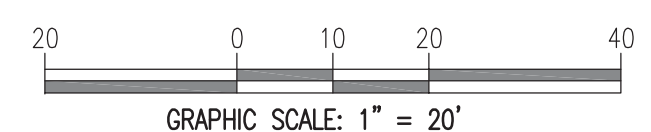
Sheet Number
1 Of 158

Drawing Number
GI001




- 1 ASPHALT ROADWAY – SEE DETAIL A AND B, SHEET CS501. PROVIDE STANDARD DUTY PAVEMENT SECTION.
- 2 ASPHALT PAVEMENT – SEE DETAIL B, SHEET CS501. PROVIDE STANDARD DUTY PAVEMENT SECTION.
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- 4 PROVIDE WHEEL STOP – SEE DETAIL C, SHEET CS502.
- 5 PROVIDE ACCESSIBLE MARKINGS AND SIGNAGE – SEE DETAIL B, SHEET CS502.
- 6 PROVIDE STEEL BOLLARD – SEE DETAIL A, SHEET CS503.
- 7 CONCRETE SIDEWALK – SEE DETAIL B, SHEET CS503.
- 8 CONCRETE APRON – SEE DETAIL C, SHEET CS503.
- 9 SECURITY CHAIN LINK FENCE – SEE DETAIL A, SHEET CS504.
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- 11 SIMULATED BRIDGE OVERPASS – SEE DETAIL B, SHEET CS505.
- 12 SIGN TYPE AS INDICATED – SEE DETAIL D, SHEET CS502.
- 13 PAVEMENT MARKING, TYPE AS INDICATED – SEE DETAIL C, SHEET CS502.

A ENLARGED SITE LAYOUT PLAN
SCALE: 1" = 20'



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JULY 28, 2025

25 Executive Pkwy
New Bern, NC 28562

BID DOCUMENTS
CO # 24-27879-01A

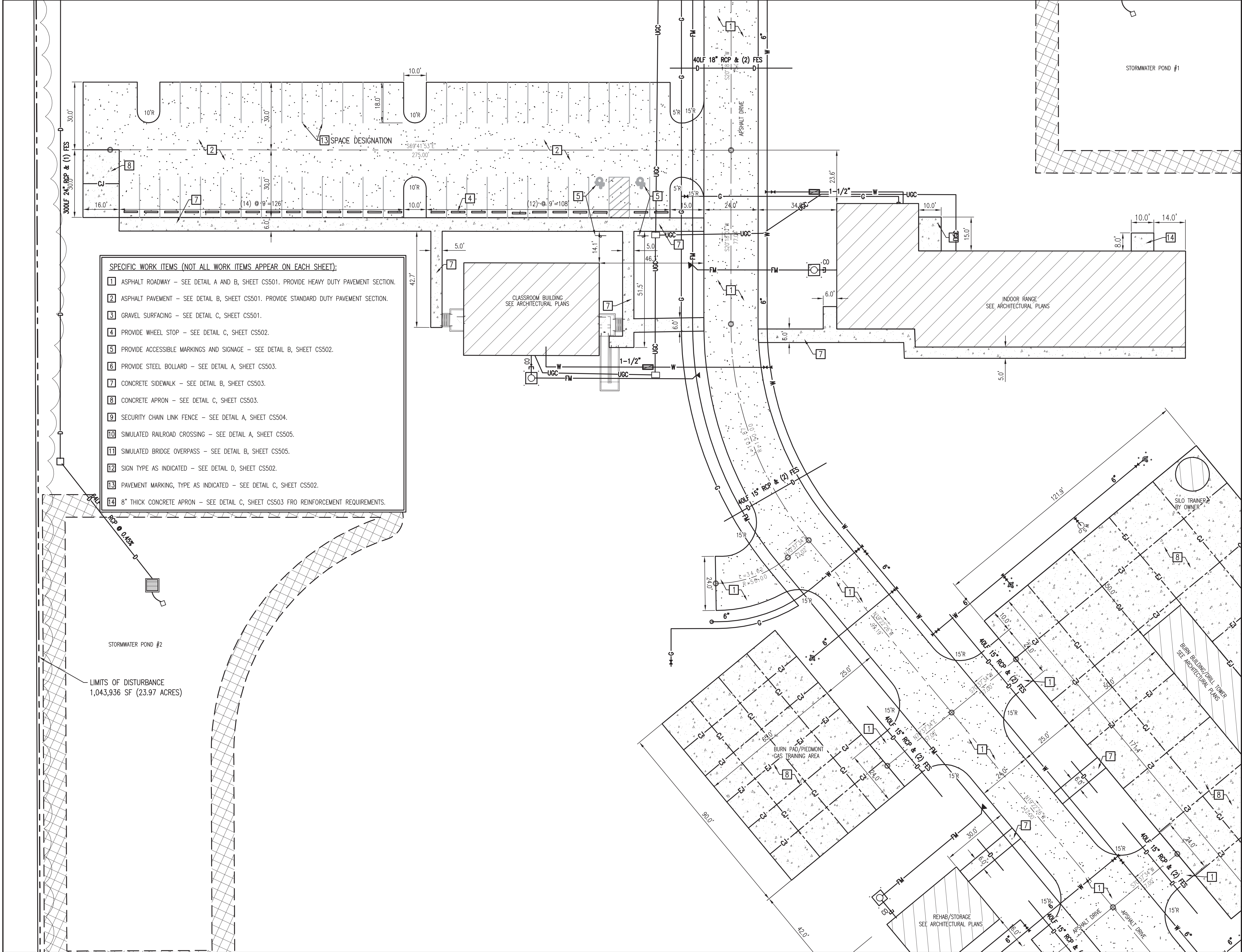
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Project Number **7-28-2025**
 Date
 Checked
JKA
NOTED
 Drawing Title

LARGED SITE LAYOUT PLAN

Page Number
6 Of 158
Page Number

CS101



CS101	CS105	CS109
CS102	CS106	CS110
CS103	CS107	CS111
CS104	CS108	CS112
SHEET INDEX		

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15738

JOHN K. AVOLIS

JULY 28, 2025

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BID DOCUMENTS
SCO # 24-27879-01A

Revisions	
No.	Date
1	8-25-25
ADDEIDJUN01	

Project Number
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AS NOTED
Drawing Title

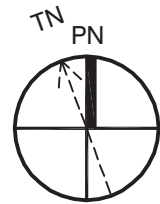
Date
7-28-2025
Checked
JKA

ENLARGED SITE
LAYOUT PLAN

Sheet Number
27 of 158
Drawing Number

CS102

A ENLARGED SITE LAYOUT PLAN
SCALE: 1" = 20'



NOTE:
SEE SHEET G1001 FOR BID ALTERNATE INFORMATION.
ALL CIVIL WORK DEPICTED THIS SHEET IS BASE BID
WORK UNLESS SPECIFICALLY DESIGNATED AS BID
ALTERNATE WORK.

200'

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GRAPHIC SCALE: 1" = 20'

AE

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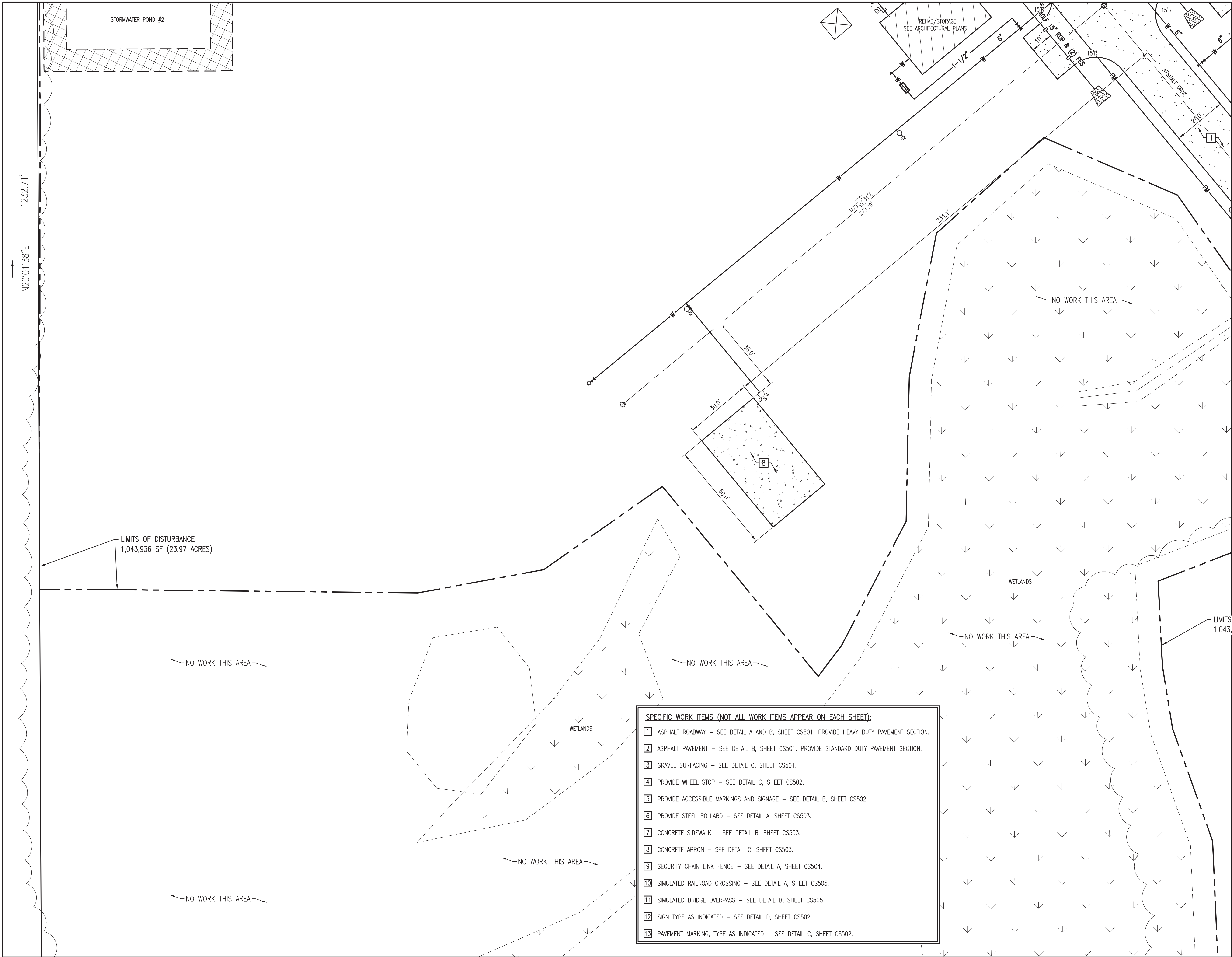
NEW BERN, NC 28561

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kevin@avoliseng.com

LICENSE NO. C-0708

A/E PROJECT #23020



CS101	CS105	CS109
CS102	CS106	CS110
CS103	CS107	CS111
CS104	CS108	CS112
SHEET INDEX		

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JULY 28, 2025

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BID DOCUMENTS
SCO # 24-27879-01A

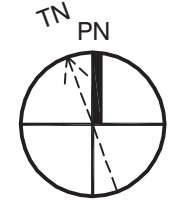
Revisions	No.	Date	Description
	1	8-25-25	ADDED/DUPLICATE

Project Number
MSP
Date
7-28-2025
Checked
JKA
Scale
AS NOTED
Drawing Title

ENLARGED SITE
LAYOUT PLAN

Sheet Number
28 of 158
Drawing Number
CS103

A
ENLARGED SITE LAYOUT PLAN
SCALE: 1" = 20'



NOTE:
SEE SHEET G1001 FOR BID ALTERNATE INFORMATION.
ALL CIVIL WORK DEPICTED THIS SHEET IS BASE BID
WORK UNLESS SPECIFICALLY DESIGNATED AS BID
ALTERNATE WORK.

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GRAPHIC SCALE: 1" = 20'

A/E

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P.O. BOX 15564

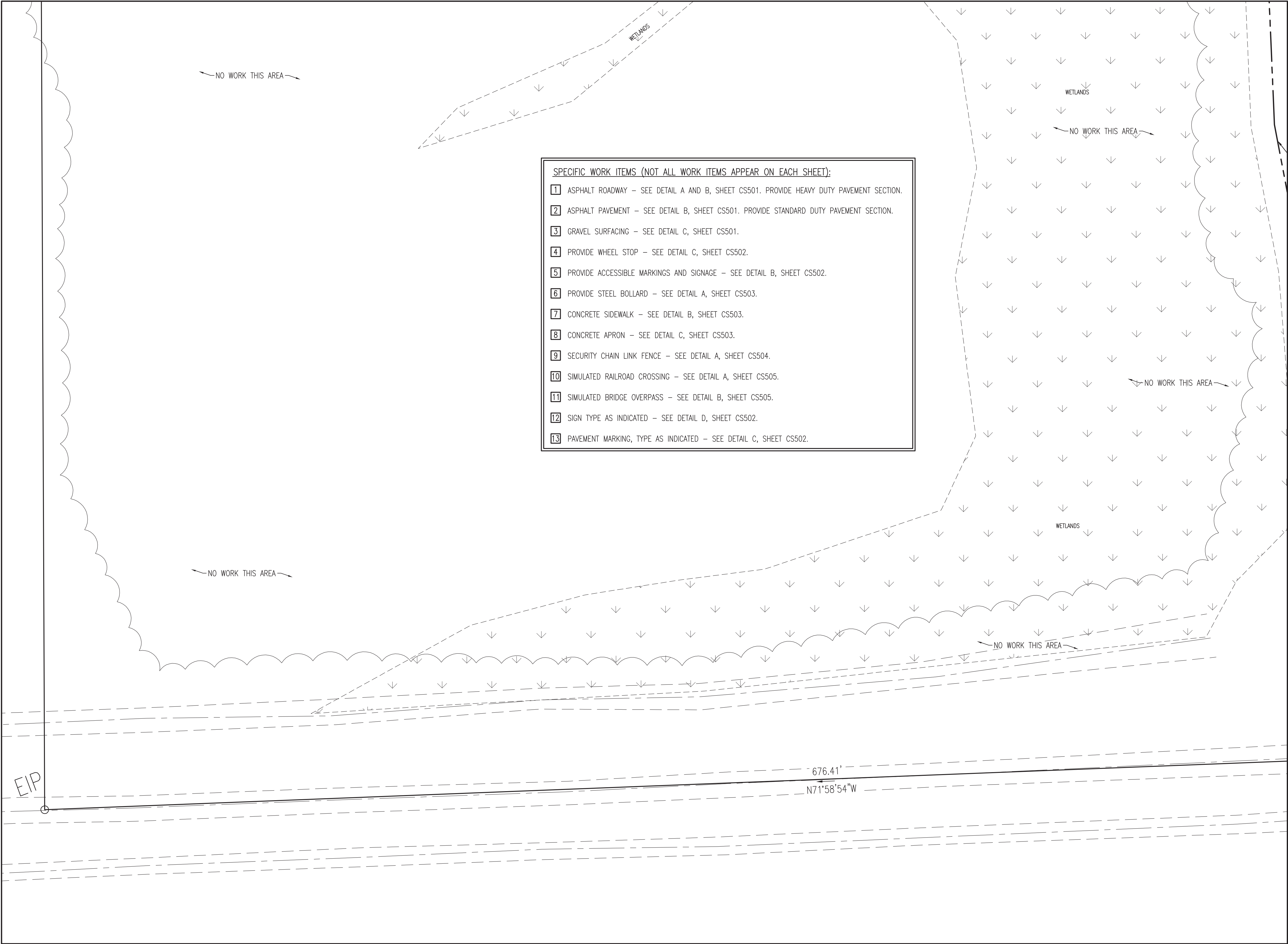
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LICENSE NO. C-0708

A/E PROJECT #23020



CS101	CS105	CS109
CS102	CS106	CS110
CS103	CS107	CS111
CS104	CS108	CS112
SHEET INDEX		

LIMITS OF DISTURBANCE
1,043,936 SF (23.97 ACRES)

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252-636-8778

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North Carolina
Professional Engineer
SEAL
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JULY 28, 2025

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BID DOCUMENTS
SCO # 24-27879-01A

Revisions	No.	Date	Description	By	Check	Appr
	1	8-25-25	ADDED/DUPLICATE			

Project Number
Date
7-28-2025
Drawn
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Checked
JKA
Scale
AS NOTED
Drawing Title

ENLARGED SITE
LAYOUT PLAN

Sheet Number
29 of 158
Drawing Number

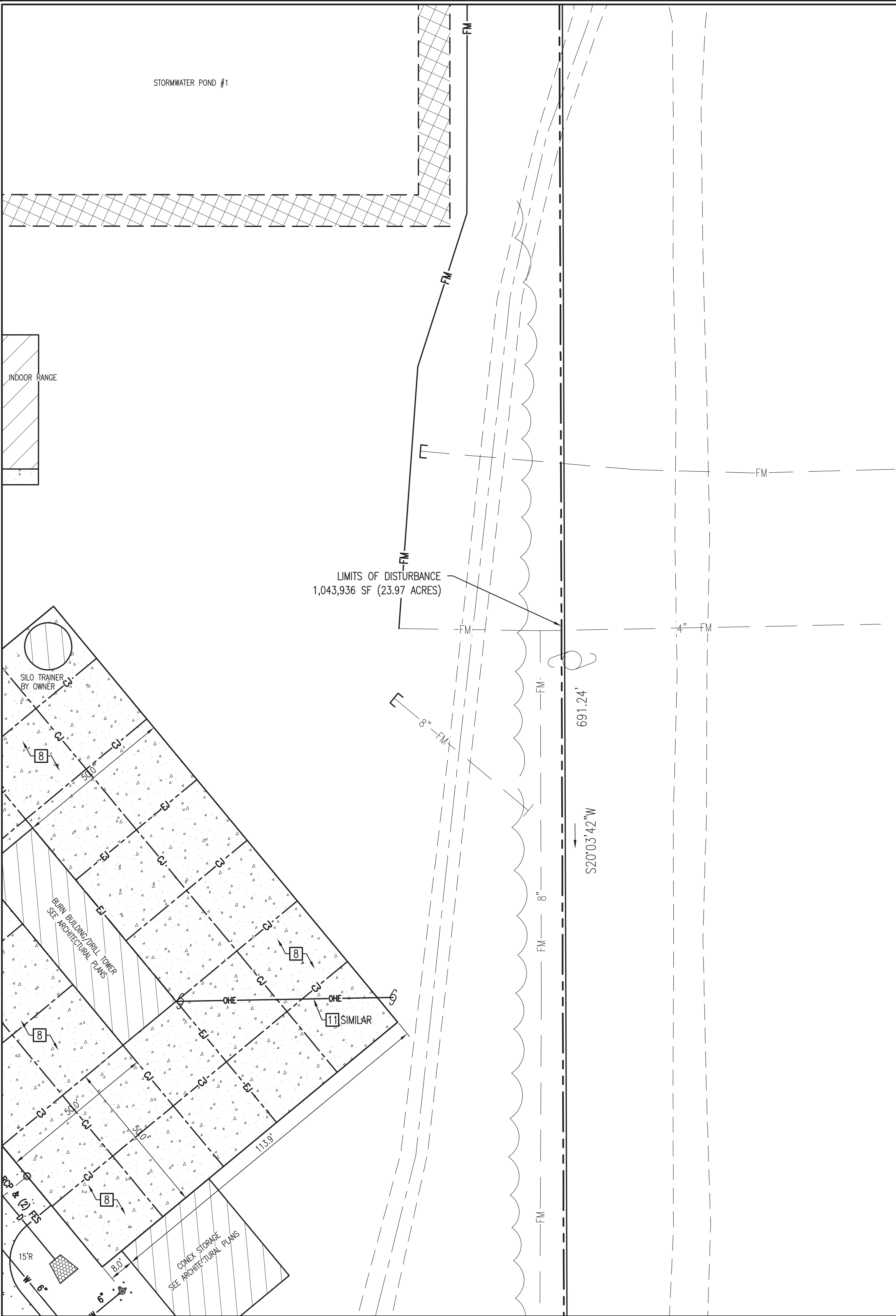
CS104

A ENLARGED SITE LAYOUT PLAN
SCALE: 1" = 20'

NOTE:
SEE SHEET G1001 FOR BID ALTERNATE INFORMATION.
ALL CIVIL WORK DEPICTED THIS SHEET IS BASE BID
WORK UNLESS SPECIFICALLY DESIGNATED AS BID
ALTERNATE WORK.

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GRAPHIC SCALE: 1" = 20'

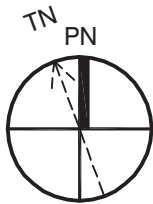
AVOLIS ENGINEERING, P.A.
P.O. BOX 15564
NEW BERN, NC 28561
PH. (252) 633-0068
kevin@avoliseng.com



- SPECIFIC WORK ITEMS (NOT ALL WORK ITEMS APPEAR ON EACH SHEET):
- 1 ASPHALT ROADWAY – SEE DETAIL A AND B, SHEET CS501. PROVIDE HEAVY DUTY PAVEMENT SECTION.
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CS101	CS105	CS109
CS102	CS106	CS110
CS103	CS107	CS111
CS104	CS108	CS112
SHEET INDEX		

A ENLARGED SITE LAYOUT PLAN
SCALE: 1" = 20'



NOTE:
SEE SHEET G1001 FOR BID ALTERNATE INFORMATION.
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ALTERNATE WORK.

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GRAPHIC SCALE: 1" = 20'

LICENSE NO. C-0708
A/E PROJECT #23020

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JULY 28, 2025

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BID DOCUMENTS
SCO # 24-27879-01A

Revisions		No.		Date		Description	
1		8-25-25		ADDED/DOWN 01			

Project Number
MSP
Scale
AS NOTED
Drawing Title

Date
7-28-2025
Checked
JKA

ENLARGED SITE
LAYOUT PLAN

Sheet Number
31 of 158

Drawing Number
CS106



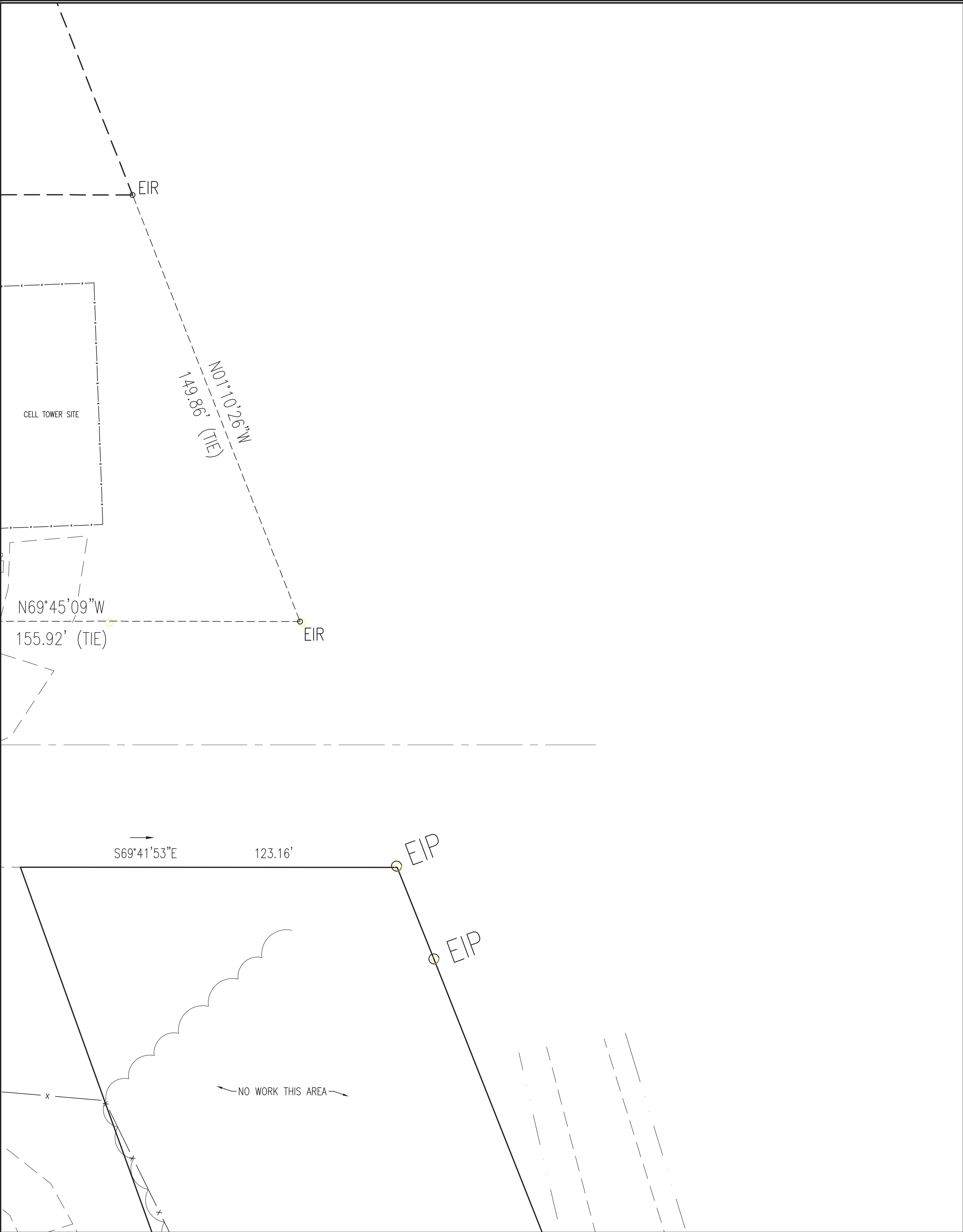
**525 Executive Pkwy
New Bern, NC 28562**

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ENLARGED SITE LAYOUT PLAN

Drawing Number

CS108



- SPECIFIC WORK ITEMS (NOT ALL WORK ITEMS APPEAR ON EACH SHEET):
- 1 ASPHALT ROADWAY – SEE DETAIL A AND B, SHEET CS501. PROVIDE HEAVY DUTY PAVEMENT SECTION.
 - 2 ASPHALT PAVEMENT – SEE DETAIL B, SHEET CS501. PROVIDE STANDARD DUTY PAVEMENT SECTION.
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NOTE:
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ALTERNATE WORK.

CS101	CS105	CS109
CS102	CS106	CS110
CS103	CS107	CS111
CS104	CS108	CS112
SHEET INDEX		

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BID DOCUMENTS
SCO # 24-27879-01A

Revisions	No.	Date	Description
	1	8-25-25	ADDED/01/01

Project Number
Date
7-28-2025
Drawn
MSP
Checked
JKA
Scale
AS NOTED
Drawing Title

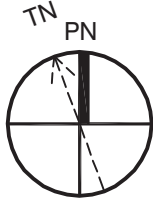
ENLARGED SITE
LAYOUT PLAN

Sheet Number
34 of 158

Drawing Number

CS109

A ENLARGED SITE LAYOUT PLAN
SCALE: 1" = 20'



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GRAPHIC SCALE: 1" = 20'

AE

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LICENSE NO. C-0708

A/E PROJECT #23020

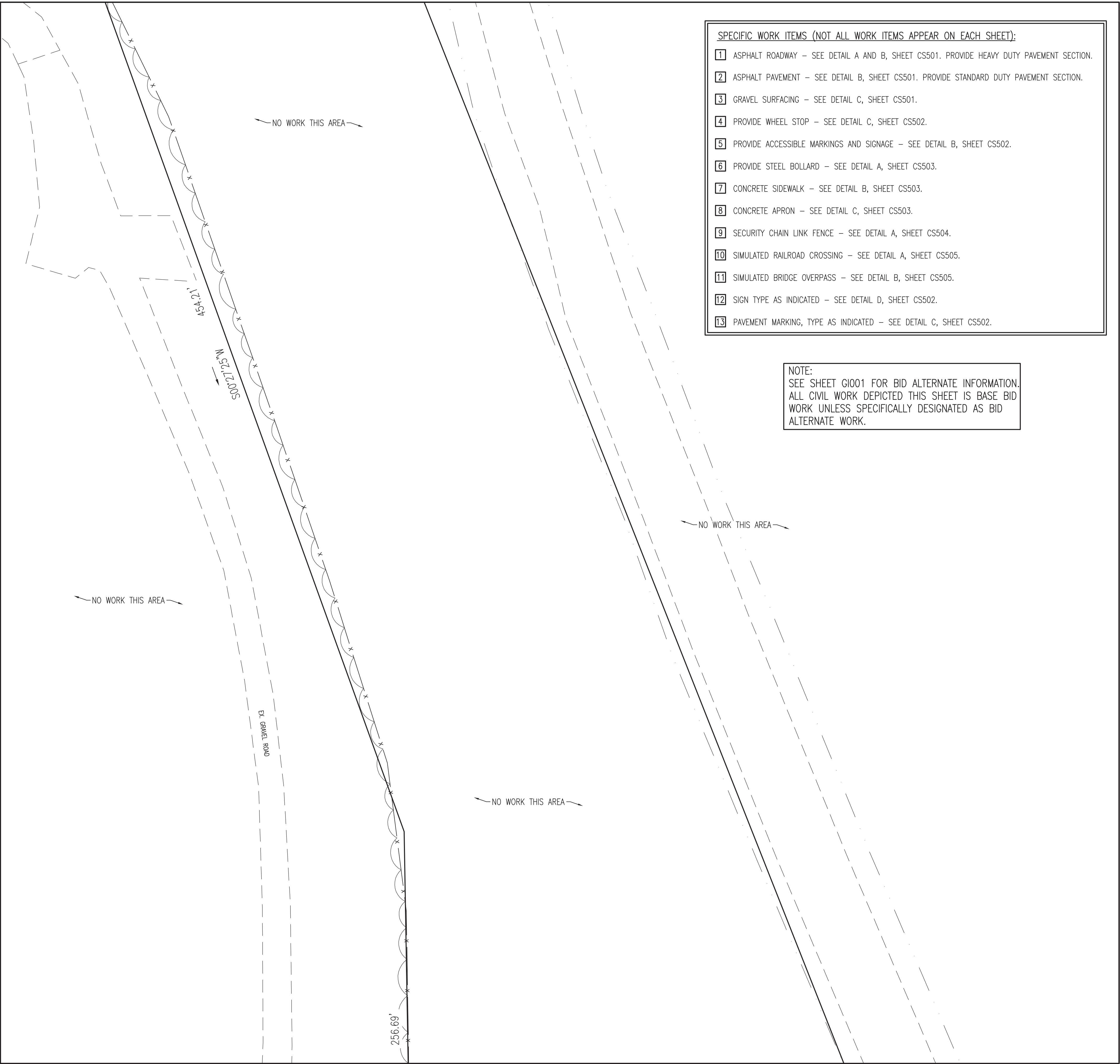
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NEW BERN, NC 28561

PH. (252) 633-0068

kevin@avoliseng.com



- SPECIFIC WORK ITEMS (NOT ALL WORK ITEMS APPEAR ON EACH SHEET):
- 1 ASPHALT ROADWAY – SEE DETAIL A AND B, SHEET CS501. PROVIDE HEAVY DUTY PAVEMENT SECTION.
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NOTE:
SEE SHEET G1001 FOR BID ALTERNATE INFORMATION.
ALL CIVIL WORK DEPICTED THIS SHEET IS BASE BID
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ALTERNATE WORK.

CS101	CS105	CS109
CS102	CS106	CS110
CS103	CS107	CS111
CS104	CS108	CS112
SHEET INDEX		

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**BID DOCUMENTS
SCO # 24-27879-01A**

Revisions	No.	Date	Description
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Project Number
MSP

Date
7-28-2025

Drawn
MSP

Checked
JKA

Scale
AS NOTED

Drawing Title

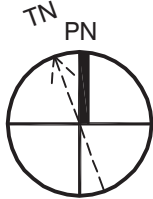
**ENLARGED SITE
LAYOUT PLAN**

Sheet Number
35 of **158**

Drawing Number

CS110

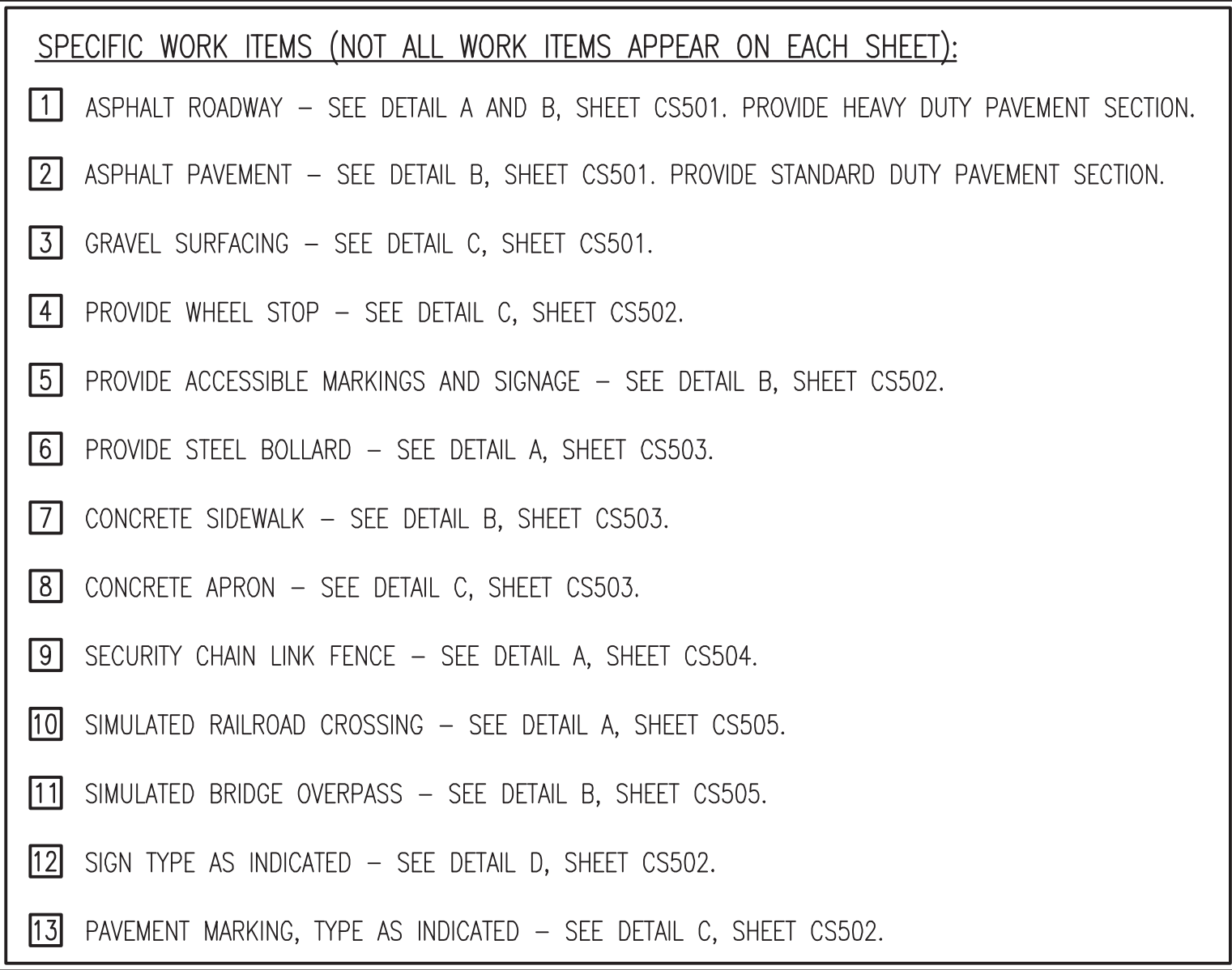
A **ENLARGED SITE LAYOUT PLAN**
SCALE: 1" = 20'



20 0 10 20 40
GRAPHIC SCALE: 1" = 20'

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NEW BERN, NC 28561
PH. (252) 633-0068
kevin@avoliseng.com

LICENSE NO. C-0708
A/E PROJECT #23020



CS101	CS105	CS109
CS102	CS106	CS110
CS103	CS107	CS111
CS104	CS108	CS112
SHEET INDEX		



BID DOCUMENTS
SCO # 24-27879-01A

Project Number _____ Date **7-28-2022**

Drawn **MSP** Checked **JKA**

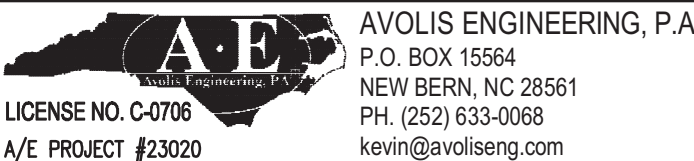
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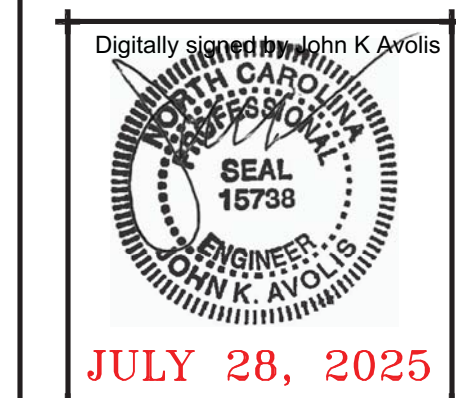
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Sheet Number
36 Of **158**

Drawing Number

CS111





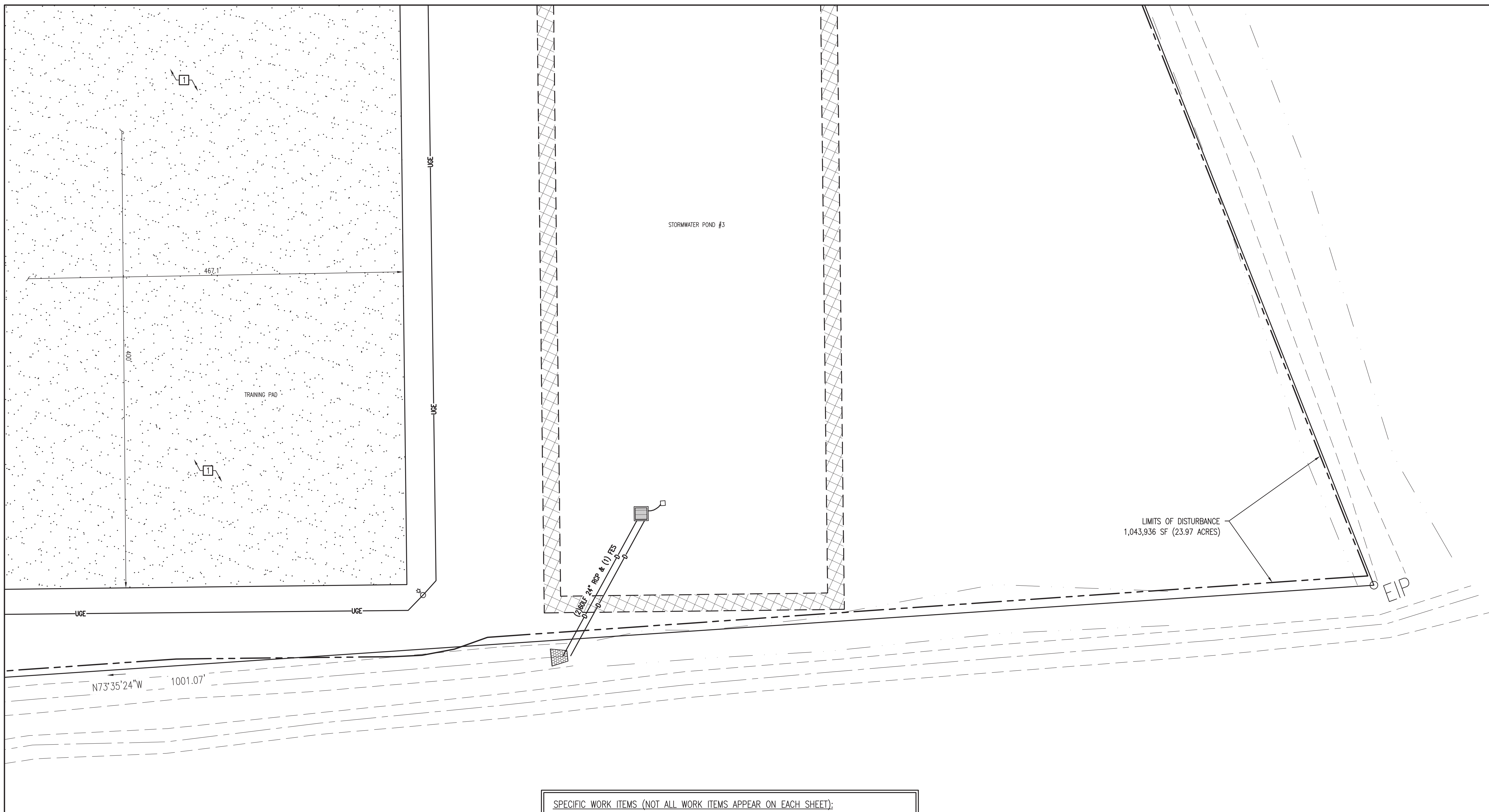
**525 Executive Pkwy
New Bern, NC 28562**

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Scale
AS NOTED
Drawing Title

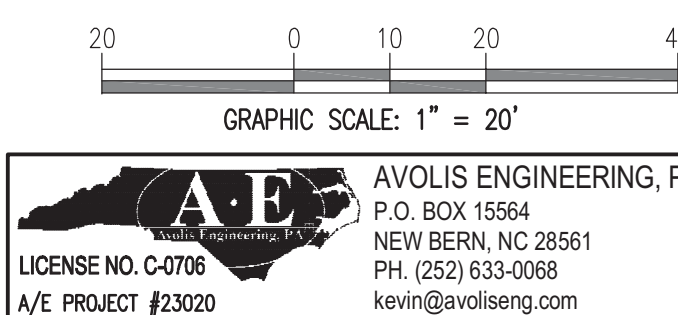
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Drawing Number

CS112

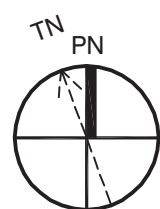


- SPECIFIC WORK ITEMS (NOT ALL WORK ITEMS APPEAR ON EACH SHEET):
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CS101	CS105	CS109
CS102	CS106	CS110
CS103	CS107	CS111
CS104	CS108	CS112
SHEET INDEX		

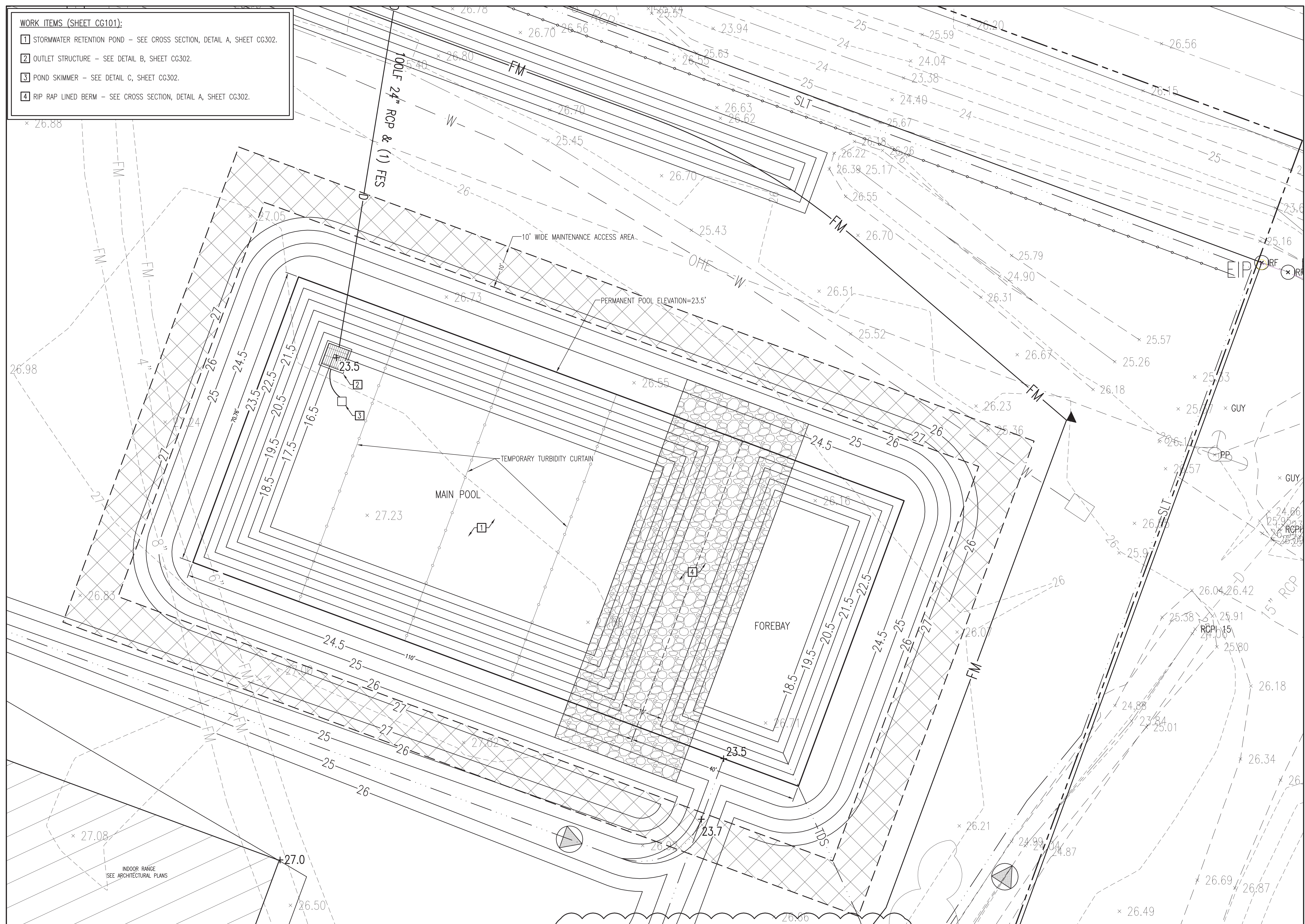


A ENLARGED SITE LAYOUT PLAN
SCALE: 1" = 20'



NOTE:
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ALL CIVIL WORK DEPICTED THIS SHEET IS BASE BID
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ALTERNATE WORK.

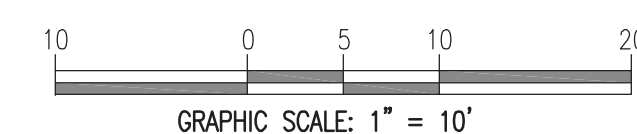
- 1 STORMWATER RETENTION POND - SEE CROSS SECTION, DETAIL A, SHEET CG302.
- 2 OUTLET STRUCTURE - SEE DETAIL B, SHEET CG302.
- 3 POND SKIMMER - SEE DETAIL C, SHEET CG302.
- 4 RIP RAP LINED BERM - SEE CROSS SECTION, DETAIL A, SHEET CG302.



STORMWATER RETENTION POND #1

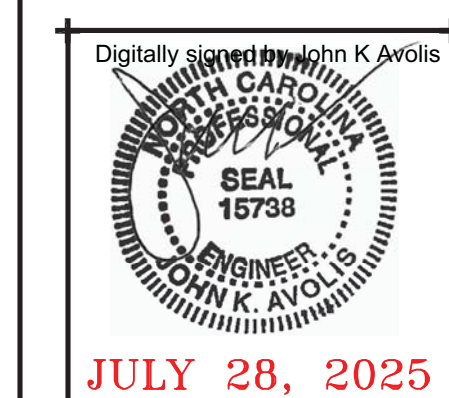
NOTE:
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ALL CIVIL WORK DEPICTED THIS SHEET IS BASE BID
WORK UNLESS SPECIFICALLY DESIGNATED AS BID
ALTERNATE WORK.

NOTE:
THE CONTRACTOR SHALL PROVIDE AN AS BUILT SURVEY OF THE COMPLETED
STORMWATER POND PREPARED BY A NORTH CAROLINA LICENSED SURVEYOR
TO DOCUMENT CONSTRUCTION AND CONFIRM COMPLIANCE WITH THE PROJECT DESIGN.
THE SURVEY SHALL BE SUBMITTED TO THE PROJECT ENGINEER FOR APPROVAL.



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

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



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CENTER**

**525 Executive Pkwy
New Bern, NC 28562**

BID DOCUMENTS
SCO # 24-27879-01A

[illegible]

Project Number

Date
7-28-2025

Drawn

Check

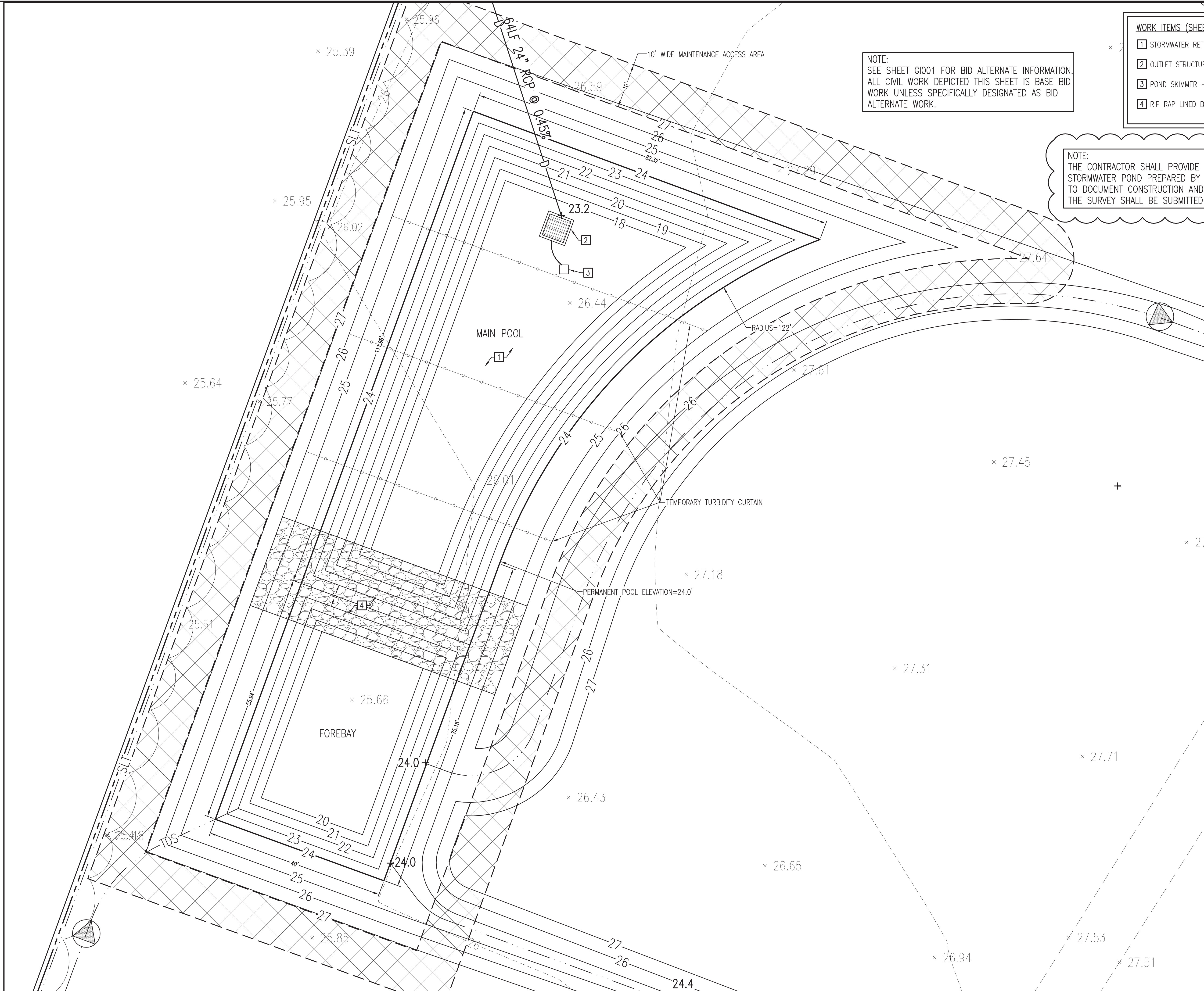
Scale
AS NOTED

Drawing Title

**STORMWATER RETENTION
POND #1**

Sheet Number
51 of **158**
Drawing Number

CG301



NOTE:
SEE SHEET G1001 FOR BID ALTERNATE INFORMATION.
ALL CIVIL WORK DEPICTED THIS SHEET IS BASE BID
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ALTERNATE WORK.

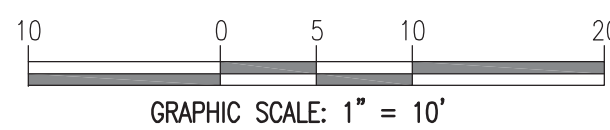
WORK ITEMS (SHEET CG101):

- 1 STORMWATER RETENTION POND – SEE CROSS SECTION, DETAIL A, SHEET CG304.
- 2 OUTLET STRUCTURE – SEE DETAIL B, SHEET CG304.
- 3 POND SKIMMER – SEE DETAIL C, SHEET CG304.
- 4 RIP RAP LINED BERM – SEE CROSS SECTION, DETAIL A, SHEET CG304.

NOTE:
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1

A STORMWATER RETENTION POND #2
SCALE: 1"=10'



A/E AVOLIS ENGINEERING, P.A.
P.O. BOX 15564
NEW BERN, NC 28561
PH. (252) 633-0068
kevin@avoliseng.com
LICENSE NO. C-0708
A/E PROJECT #23020

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

Digitally signed by Kevin K. Avolis
North Carolina
Professional Engineer
SEAL
15738
JULY 28, 2025

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**525 Executive Pkwy
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**BID DOCUMENTS
SCO # 24-27879-01A**

Revisions	No.	Date	Description
	1	8-25-25	ADDED/01

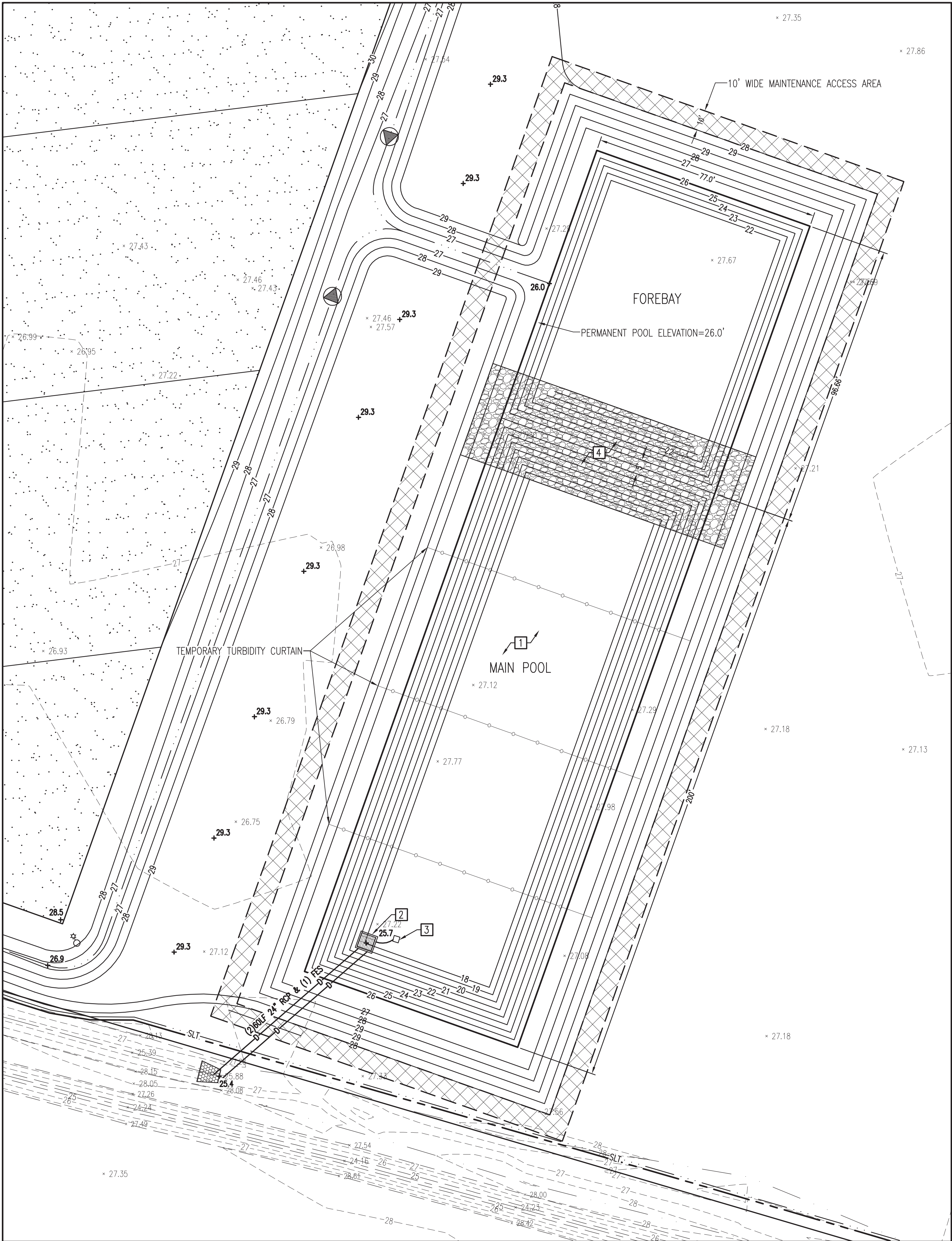
Project Number
MSP
Scale
AS NOTED
Drawing Title

Date
7-28-2025
Checked
JKA

**STORMWATER RETENTION
POND #2**

Sheet Number
53 of **158**
Drawing Number

CG303



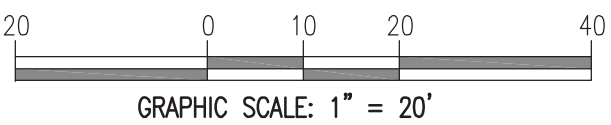
A STORMWATER RETENTION POND #3
SCALE: 1" = 20'

- WORK ITEMS (SHEET CG101):
- 1 STORMWATER RETENTION POND - SEE CROSS SECTION, DETAIL A, SHEET CG306.
 - 2 OUTLET STRUCTURE - SEE DETAIL B, SHEET CG306.
 - 3 POND SKIMMER - SEE DETAIL C, SHEET CG306.
 - 4 RIP RAP LINED BERM - SEE CROSS SECTION, DETAIL A, SHEET CG306.

NOTE:
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ALL CIVIL WORK DEPICTED THIS SHEET IS BASE BID
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NOTE:
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AE
AVOLIS ENGINEERING, P.A.
P.O. BOX 15564
NEW BERN, NC 28561
PH. (252) 633-0068
kevin@avoliseng.com
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WALKER
the GROUP
ARCHITECTURE
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PO BOX 541, NEW BERN, NC 28563
252-636-8778

Digitally signed by Kevin K. Avolis
North Carolina
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SEAL
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	1	8/25/25	ADDED/01

Project Number
MSP

Date
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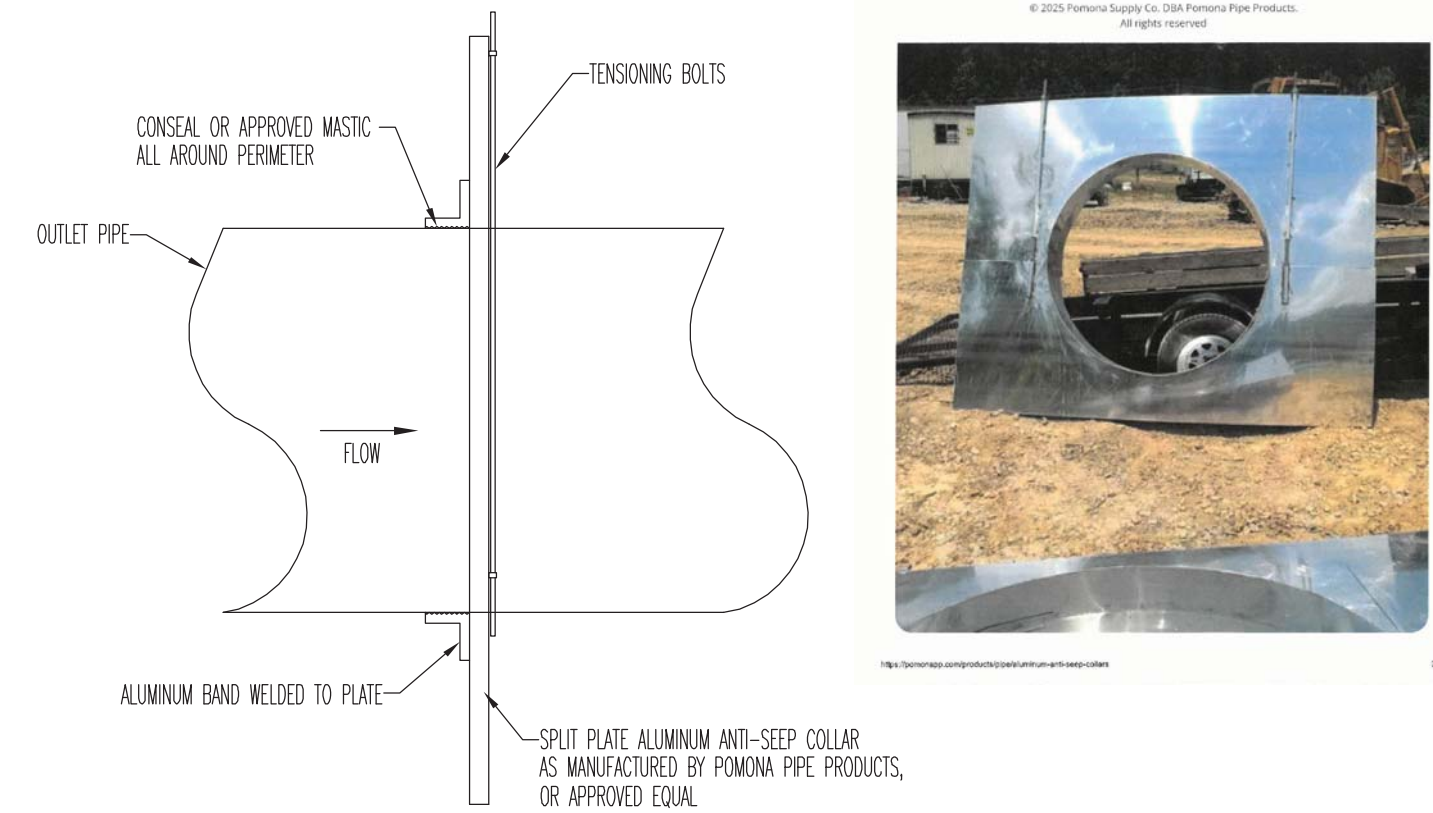
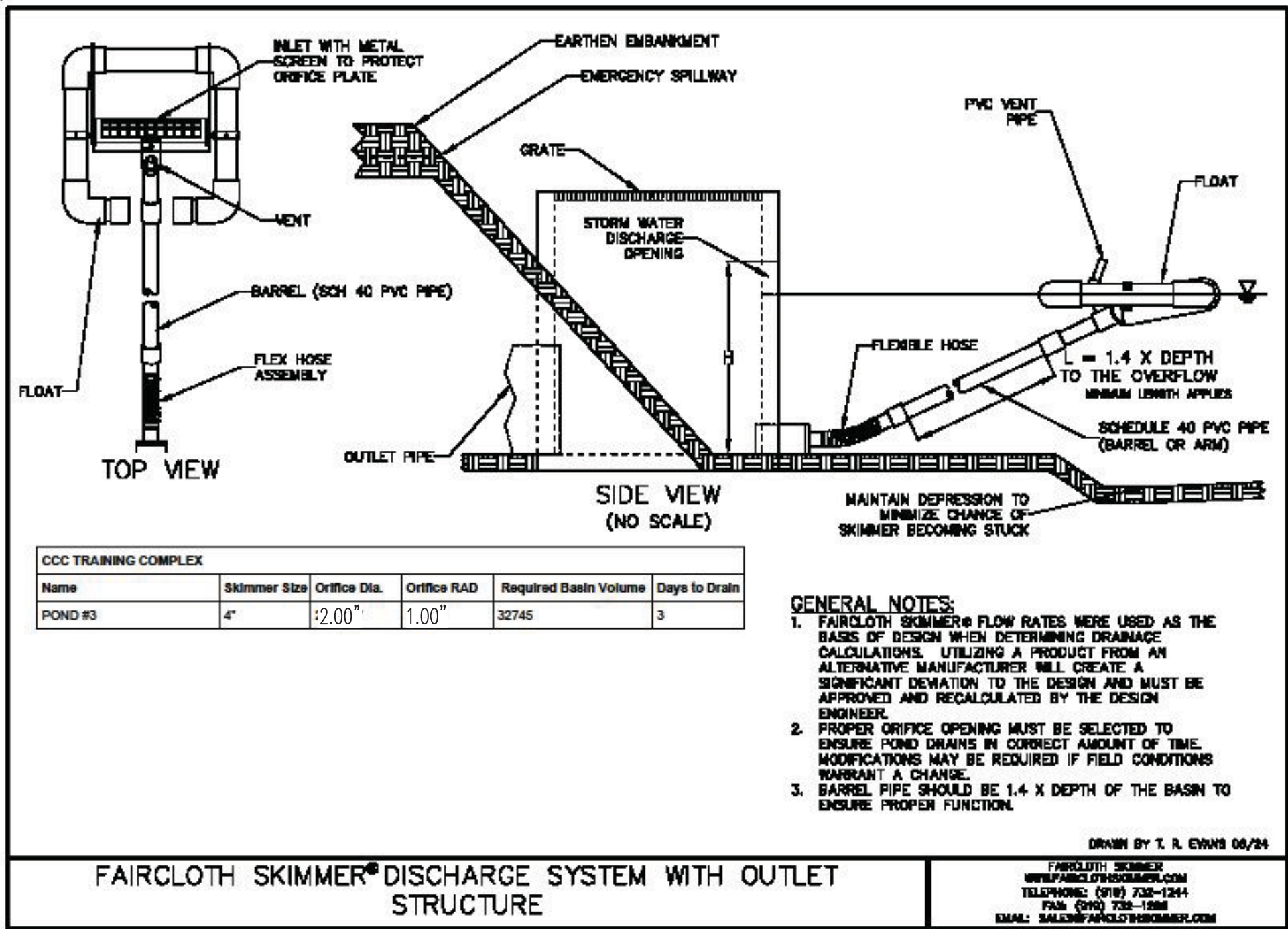
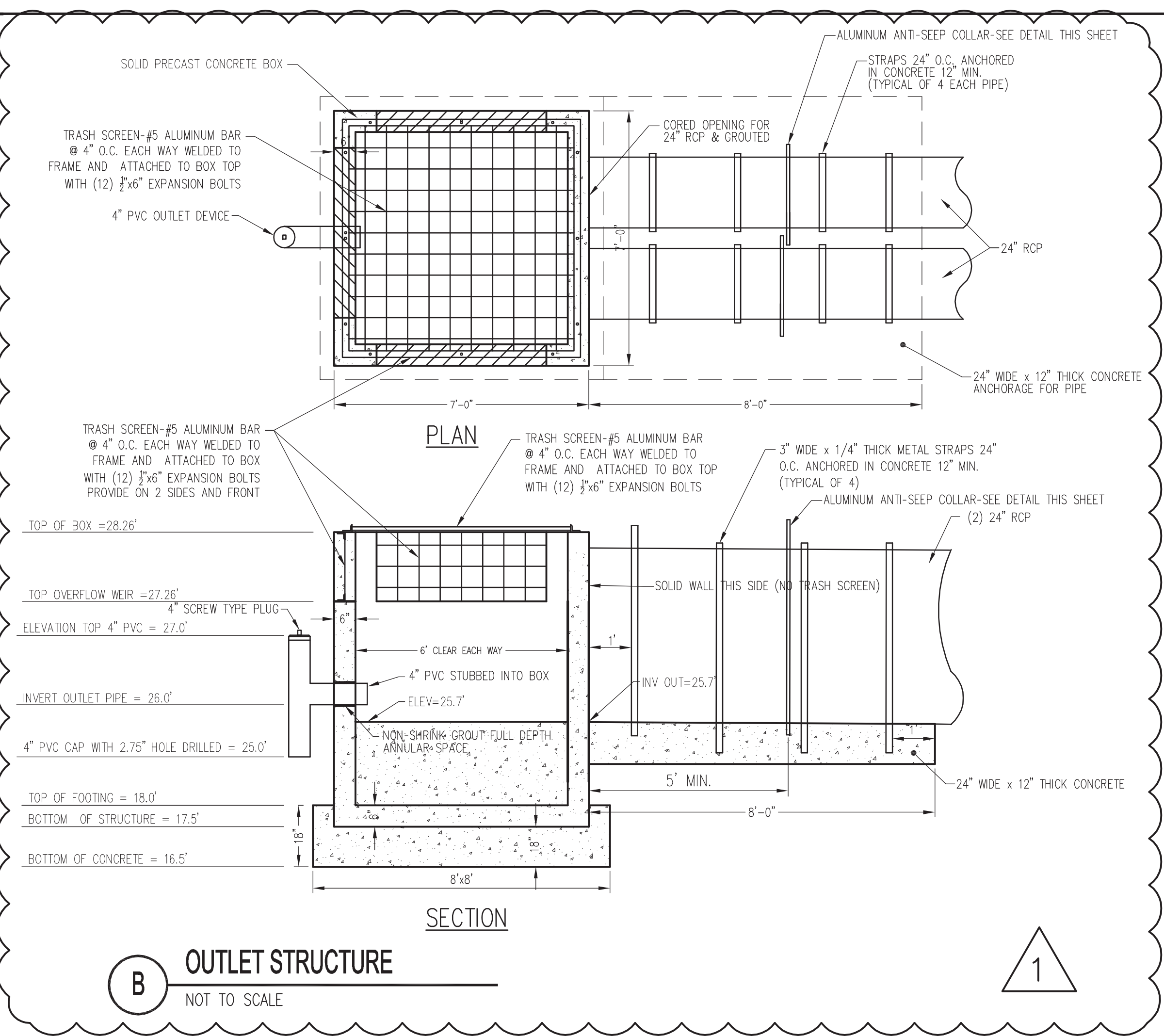
Drawing Title

**STORMWATER RETENTION
POND #3**

Sheet Number
55 of **158**

Drawing Number

CG305



SKIMMER NOTES:

1. ANTI-SEEP COLLAR SHALL BE AS MANUFACTURED BY POMONA PIPE PRODUCTS OR APPROVED EQUAL.
2. BACKFILL EVENLY ON EACH SIDE OF THE ANTI-SEEP COLLAR AS BACKFILL PROGRESSES.

SKIMMER NOTES:

1. SKIMMER SIZE SHALL BE 4.0 INCHES.
2. ORIFICE DIAMETER SHALL BE 2 INCHES.
3. TEMPORARILY CONNECT SKIMMER TO POND OUTLET DEVICE DURING CONSTRUCTION. REMOVE AND PLUG HOLE AT CONCLUSION OF CONSTRUCTION.
4. A FAIRCLOTH SKIMMER IS ILLUSTRATED AS A BASIS OF DESIGN. THE CONTRACTOR MAY SELECT A DIFFERENT SKIMMER DEVICE THAT PROVIDES AN EQUIVALENT LEVEL OF TREATMENT.

POND #3

STORMWATER DETENTION POND TABLE					
MAIN POND	CONTOUR	AREA(SF)	AVG. AREA(SF)	DEPTH	△ VOL(CF)
	26	15400	—	—	—
	25	14271	14836	1	14836
	24	13214	13742	1	13742
	23	12188	12701	1	12701
	22	11194	11691	1	11691
	21	10232	10713	1	10713
	20	9301	9766	1	9766
	19	8404	8853	1	8853
	18	7538	SEDIMENT	1	SEDIMENT
			TOTAL		82,302
FOREBAY	CONTOUR	AREA(SF)	AVG. AREA(SF)	DEPTH (FEET)	△ VOL(CF)
	26	7443	—	—	—
	25	6728	7085	1	7085
	24	6084	6406	1	6406
	23	5470	5777	1	5777
	22	4890	SEDIMENT	1	SEDIMENT
			TOTAL		19,268
FOREBAY VOLUME IS 23.4% OF MAIN POOL VOLUME					

POND STAGE/STORAGE RELATIONSHIP				
STAGE	ELEVATION	AREA(SF)	△ VOL(CF)	TOTAL VOLUME ABOVE PERMANENT POOL
0 FT	26	22843	—	—
1.0 FT	27	30121	25157	25157
2.0 FT	28	38495	28682	53839
3.0 FT	29	61477	31140	84979

NOTE:
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PERIMETER SHELF PLANTING REQUIREMENTS:

SOIL ANALYSIS AND AMENDMENTS

1. THE CONTRACTOR SHALL BE REQUIRED TO COLLECT A MINIMUM OF TWO SOIL SAMPLES AT A DEPTH OF 6 INCHES FROM SEPARATE AREAS OF THE PERIMETER SHELF AREA OF EACH POND.
2. THE SAMPLES SHALL BE SUBMITTED FOR ANALYSIS FOR RECOMMENDED SOIL AMENDMENTS FOR THE PLANTINGS SPECIFIED.
3. THE CONTRACTOR SHALL PROVIDE SOIL AMENDMENTS NECESSARY TO ADJUST SOIL pH, ORGANIC CONTENT AND SOIL TEXTURE TO MEET THE FOLLOWING:
pH VALUE: 5.5 TO 7.0
ORGANIC CONTENT: 5% MINIMUM BY DRY WEIGHT
SOIL TEXTURE: LOAMY SAND WITH NO MORE THAN 10% CLAY
4. ANY SOIL AMENDMENTS SHALL BE APPLIED AND MIXED INTO THE TOP 6 INCHES OF SOIL DEPTH
5. THE SOIL SHALL BE FINE GRADED TO REMOVE ALL STONES OR ROOTS GREATER THAN 1 INCH DIAMETER

PLANTING RESTRICTIONS

1. PLANTING SHALL ONLY OCCUR DURING THE MONTHS OF APRIL THROUGH JUNE OR SEPTEMBER THROUGH NOVEMBER FOR SHALLOW LAND AREA PLANTINGS. SHALLOW WATER PLANTING SHALL ONLY OCCUR BETWEEN APRIL 1 THROUGH JULY 15.
2. FOR STORMWATER PONDS COMPLETED OUTSIDE THIS PLANTING WINDOW, TEMPORARY VEGETATION SHALL BE ESTABLISHED ON THE SHALLOW LAND PLANTING AREAS UNTIL THE PLANTING WINDOW IS REACHED.

PLANTING MAINTENANCE

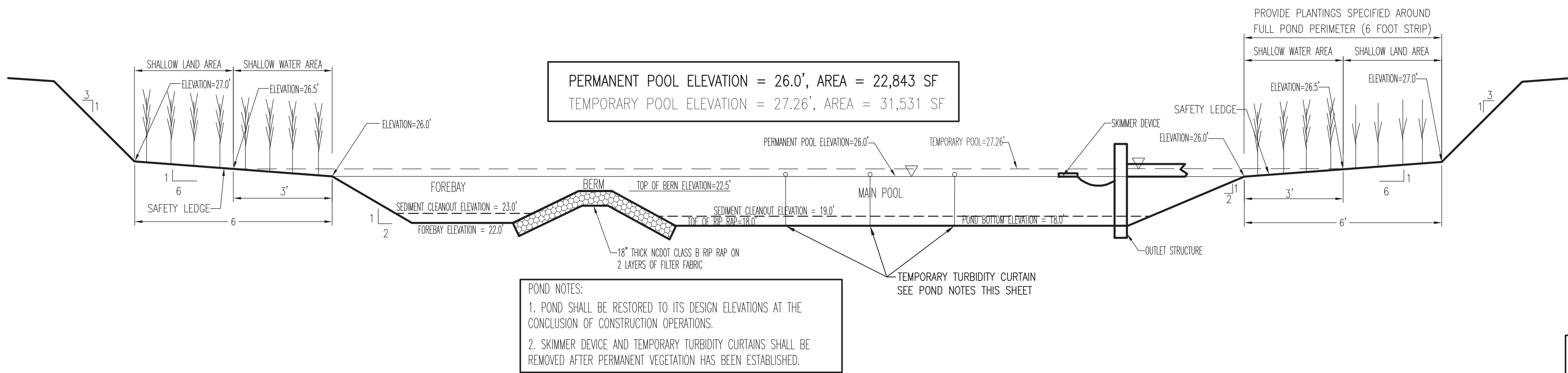
1. THE CONTRACTOR SHALL INSPECT ALL PLANTINGS ON A WEEKLY BASIS FOR THE FIRST 60 DAYS AFTER PLANTING. THE CONTRACTOR SHALL WATER ALL PLANTS AS NEEDED TO ENSURE SURVIVAL.
2. AFTER 30 DAYS, ANY DISEASED DEAD OR DYING PLANTS SHALL BE REPLACED WITH THE SAME SPECIES.
3. THE CONTRACTOR SHALL WARRANT ALL PLANTINGS FOR A MINIMUM PERIOD OF 12 MONTHS AFTER INSTALLATION.

PLANT INSTALLATION AND ESTABLISHMENT

1. THE CONTRACTOR SHALL UTILIZE FRESH, NURSERY RAISED PLANTS AS SPECIFIED IN THE PLANT LIST.
2. ALL PLANTS SHALL BE INSTALLED WITHIN 48 HOURS OF RECEIPT FROM THE NURSERY AND SHALL BE MAINTAINED WITH ADEQUATE MOISTURE AND SUN TO MAINTAIN THEIR VITALITY.
3. PLANTS SHALL BE INSTALLED BY HAND AT THE SPACING SPECIFIED.
4. NEWLY INSTALLED PLANTS SHALL BE WATERED IMMEDIATELY AFTER INSTALLATION UNLESS THEY ARE INSTALLED IN A SUBMERGED SHELF AREA.

PERIMETER SHELF PLANTING LIST			PLANTING LOCATION	
SCIENTIFIC NAME	COMMON NAME	SIZE	SHALLOW WATER AREA	SHALLOW LAND AREA
IRIS VIRGINICA	BLUE FLAG IRIS	LARGE PLUG		X
PELTANDRA VIRGINICA	ARROW ARUM	LARGE PLUG		X
SAGITTARIA LANCIFOLIA	BULLTONGUE	LARGE PLUG	X	
SAGITTARIA LATIFOLIA	DUCK POTATO	LARGE PLUG	X	
SPARGANUM AMERICANUM	BUR-REED	LARGE PLUG	X	
ZIZANIOPSIS MILACEA	WATER MILLET	LARGE PLUG		X

PROVIDE EVEN NUMBER OF SPECIES PLANTED AT 18" O.C. IN ALL DIRECTIONS WITHIN PERIMETER SHELF. PROVIDE A MIXTURE OF EACH PLANT SPECIES SO AS TO PROVIDE APPROXIMATELY 33% COVERAGE OF THE PERIMETER SHELF IN EACH PLANTING ZONE WITH SPECIES SPECIFIED FOR EACH PLANTING ZONE.



WALKER the GROUP ARCHITECTURE
incorporated
PO BOX 541, NEW BERN, NC 28563
252-6368778

Digitally signed by Kevin K. Avolis
with a digital signature
SEAL
15738
JULY 28, 2025

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**525 Executive Pkwy
New Bern, NC 28562**

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SCO # 24-27879-01A**

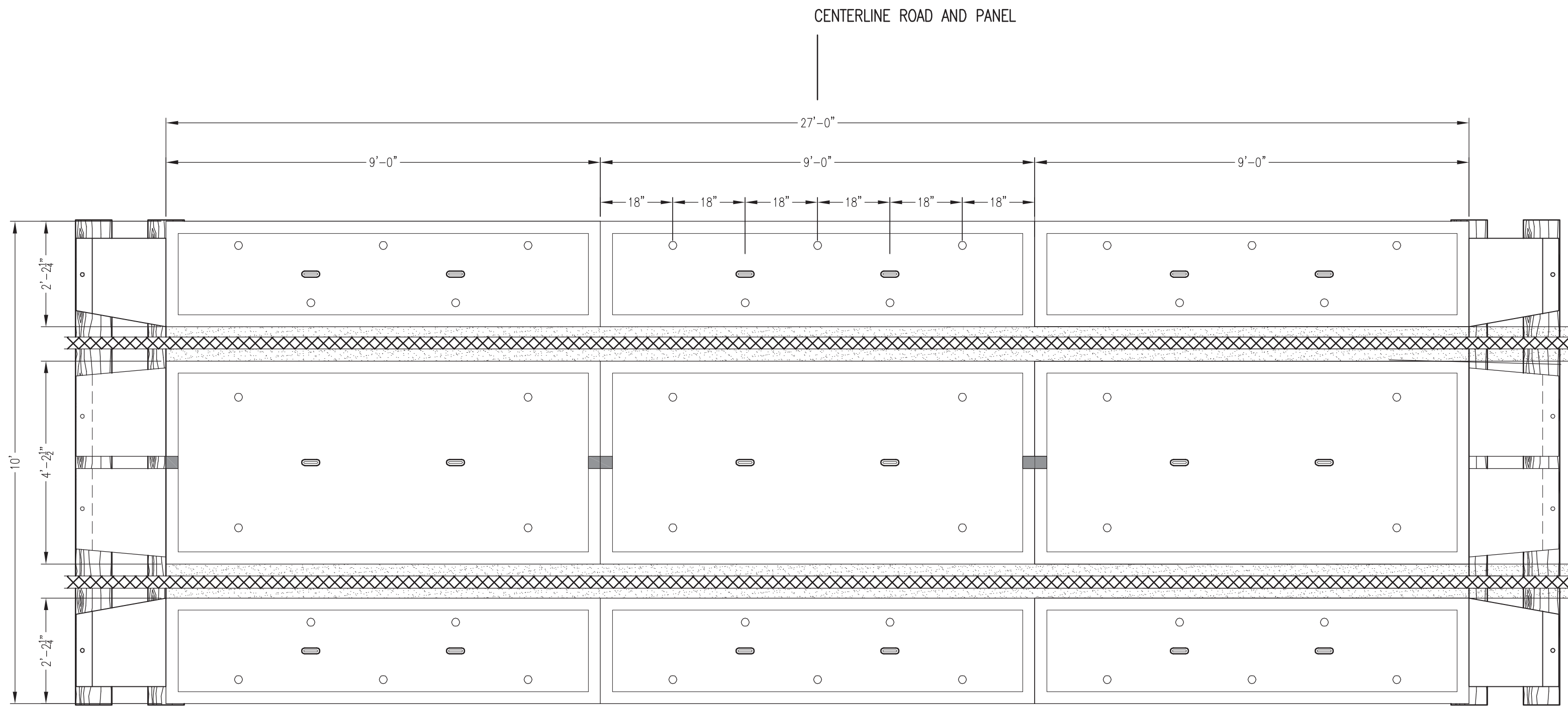
Revisions	Date	By	App'd	Check'd
1	8-25-25	ADDELDUM/01		

Project Number: 7-28-2025
Checked: JKA
Scale: AS NOTED
Drawing Title: STORMWATER RETENTION POND #3 - SECTION AND DETAILS

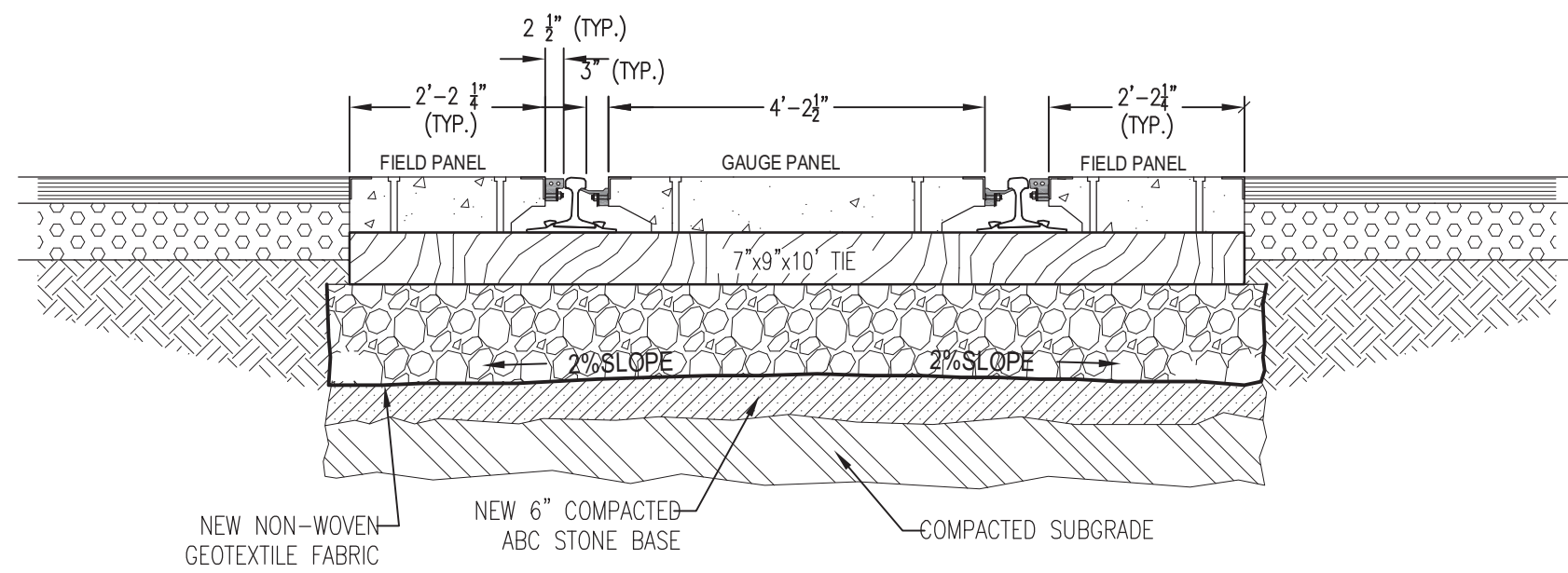
STORMWATER RETENTION POND #3 - SECTION AND DETAILS

Sheet Number: 56 of 158
Drawing Number: CG306

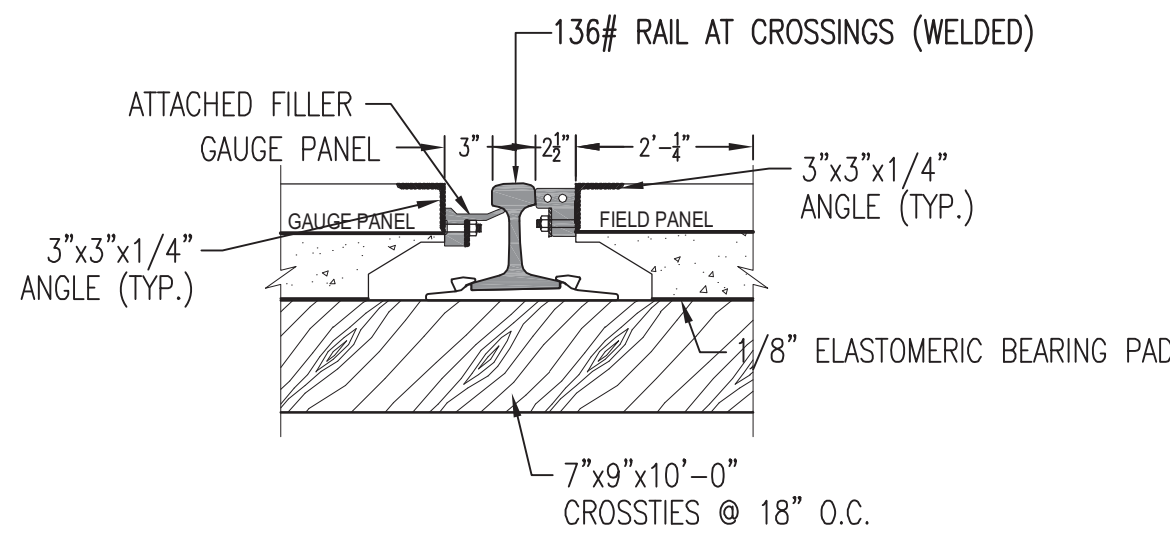
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P.O. BOX 15564
NEW BERN, NC 28561
PH. (252) 633-0068
kevin@avoliseng.com



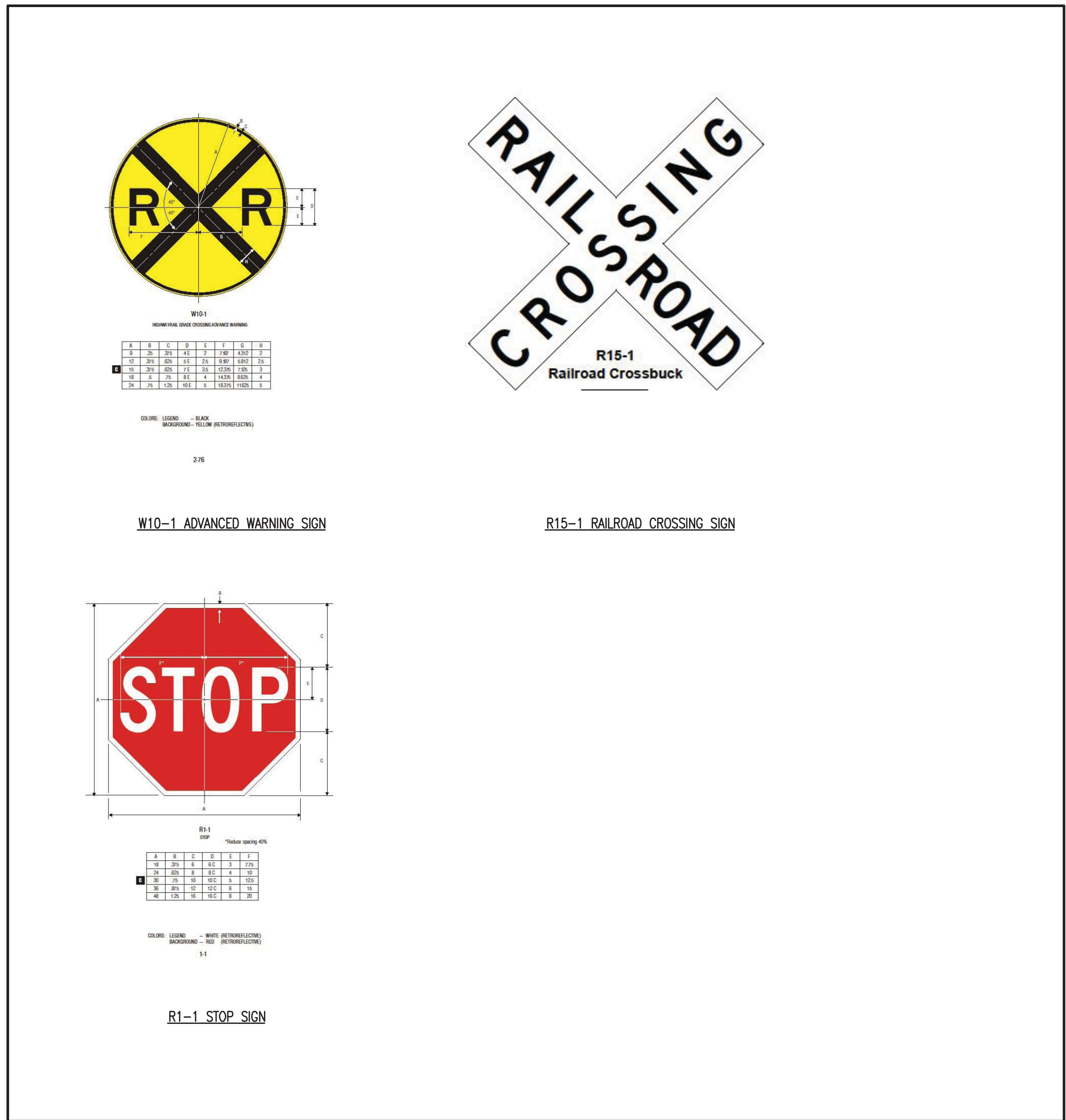
PLAN VIEW



SECTION



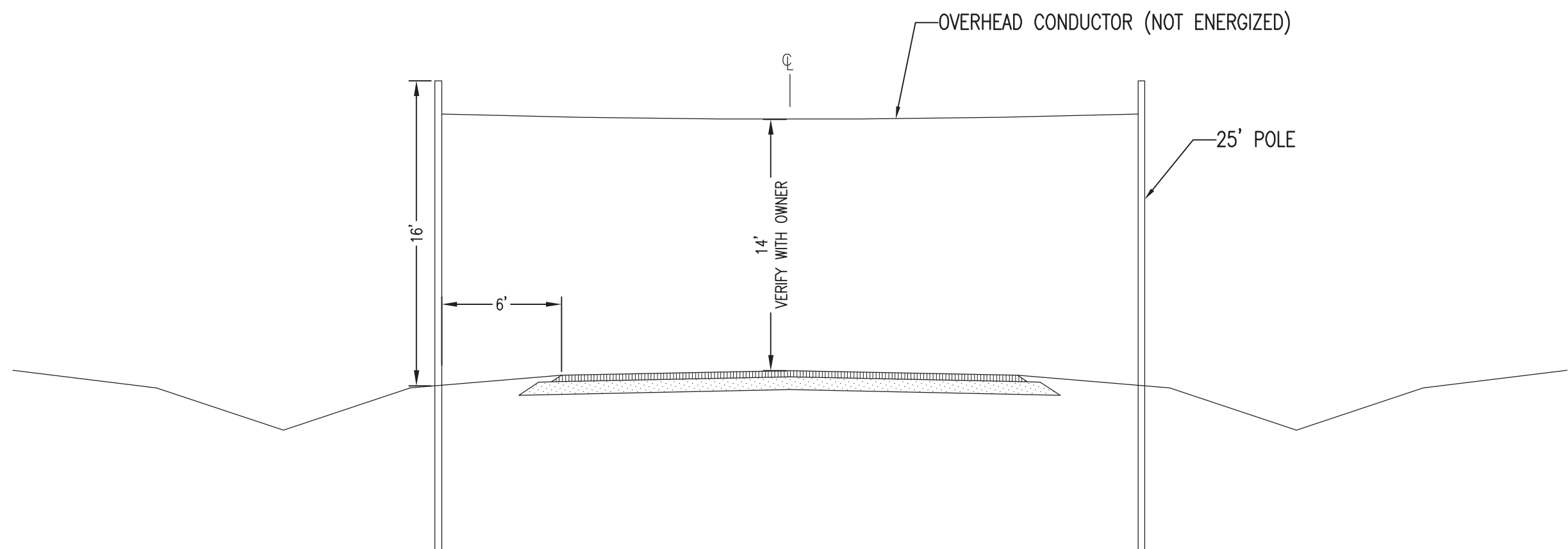
SECTION



CROSSING SIGNAGE

A SIMULATED RAILROAD CROSSING

NOT TO SCALE



B SIMULATED RAILROAD CROSSING

NOT TO SCALE

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

Digitally signed by Kevin K. Avolis
with CA
SEAL
15738
JOHN K. AVOLIS
JULY 28, 2025

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TRAINING
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New Bern, NC 28562**

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SCO # 24-27879-01A**

Revisions	No.	Date	Description
	1	8/25/25	ADDED/01

Project Number
MSP

Date
7-28-2025

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JKA

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JKA

Scale
AS NOTED

Drawing Title

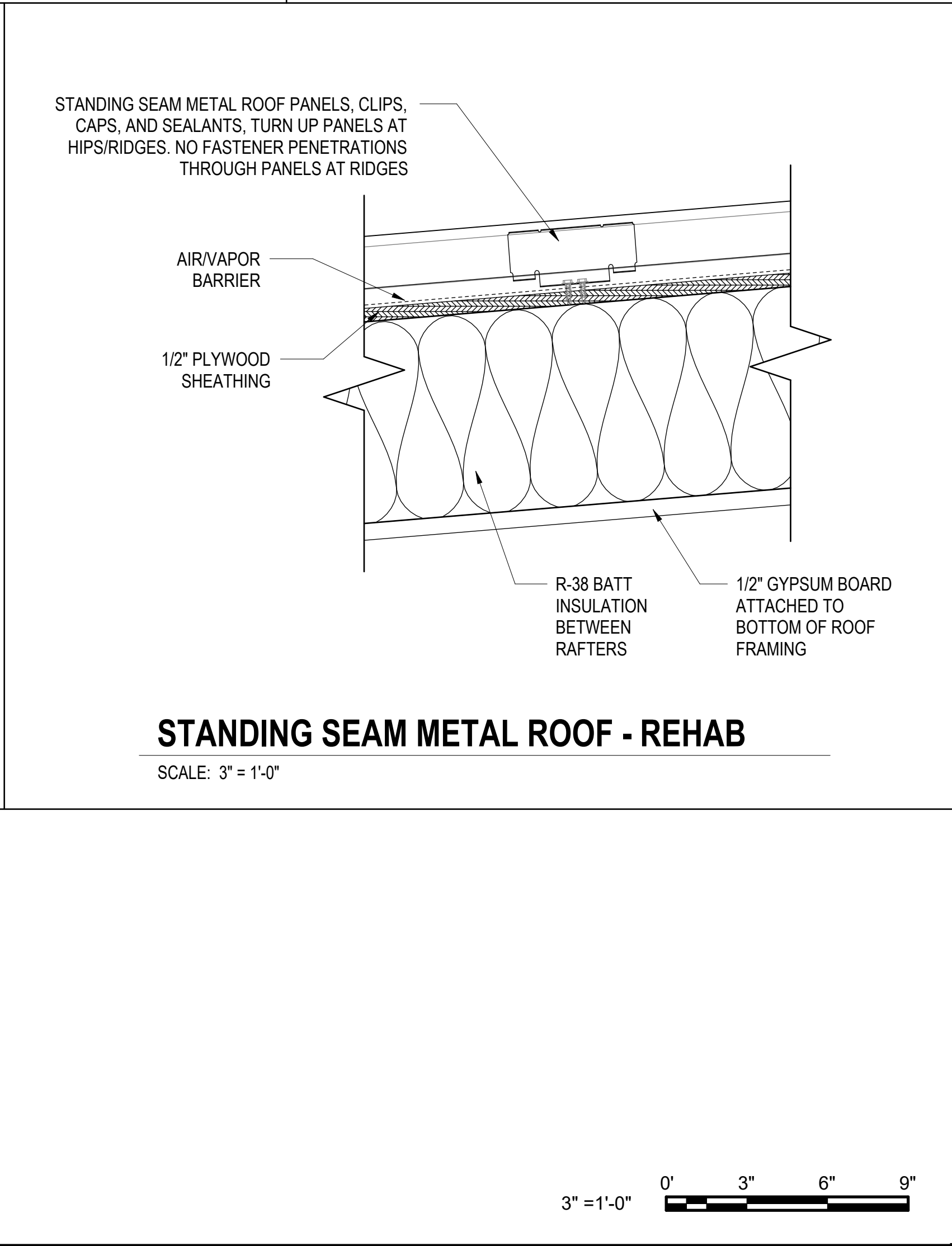
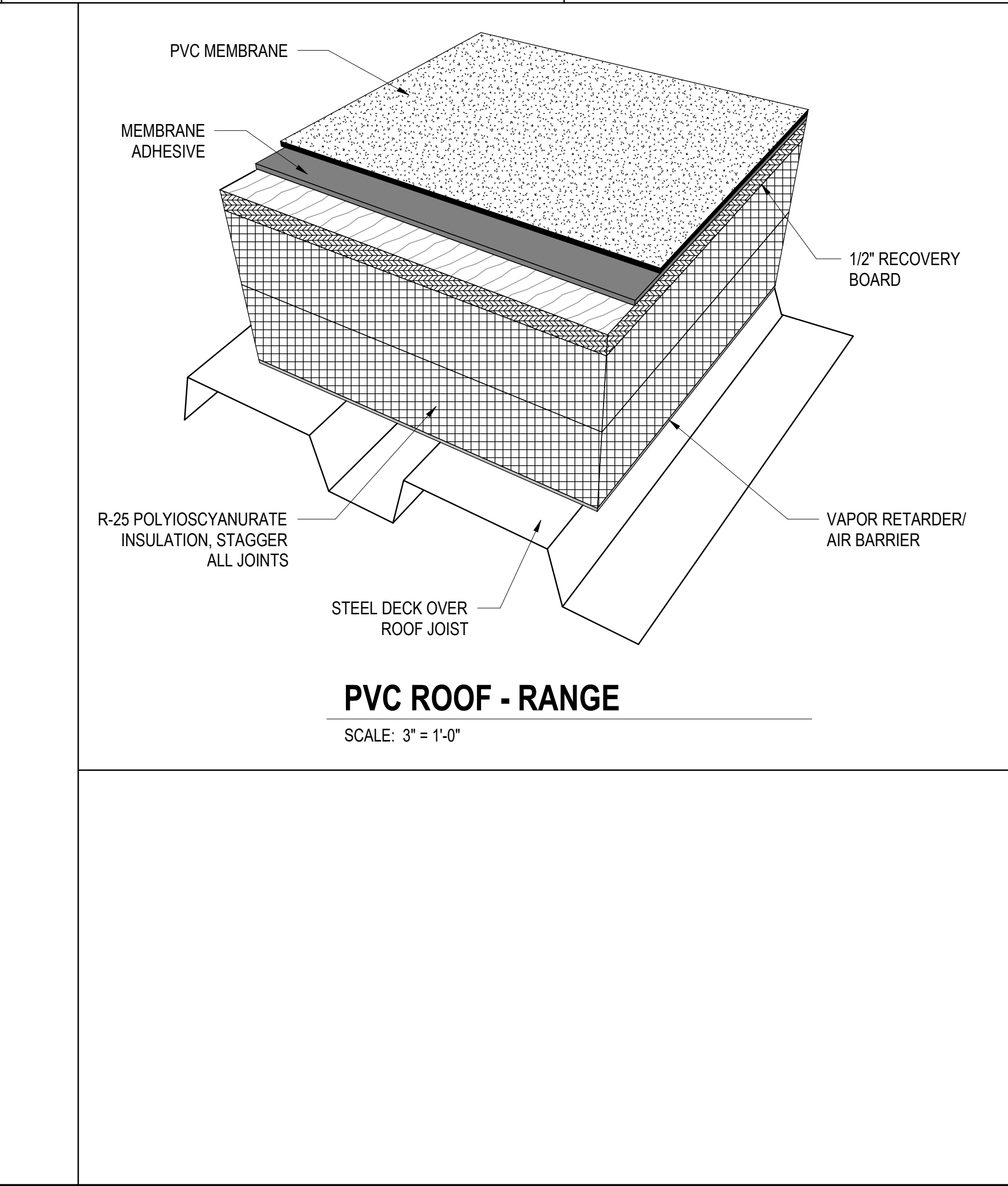
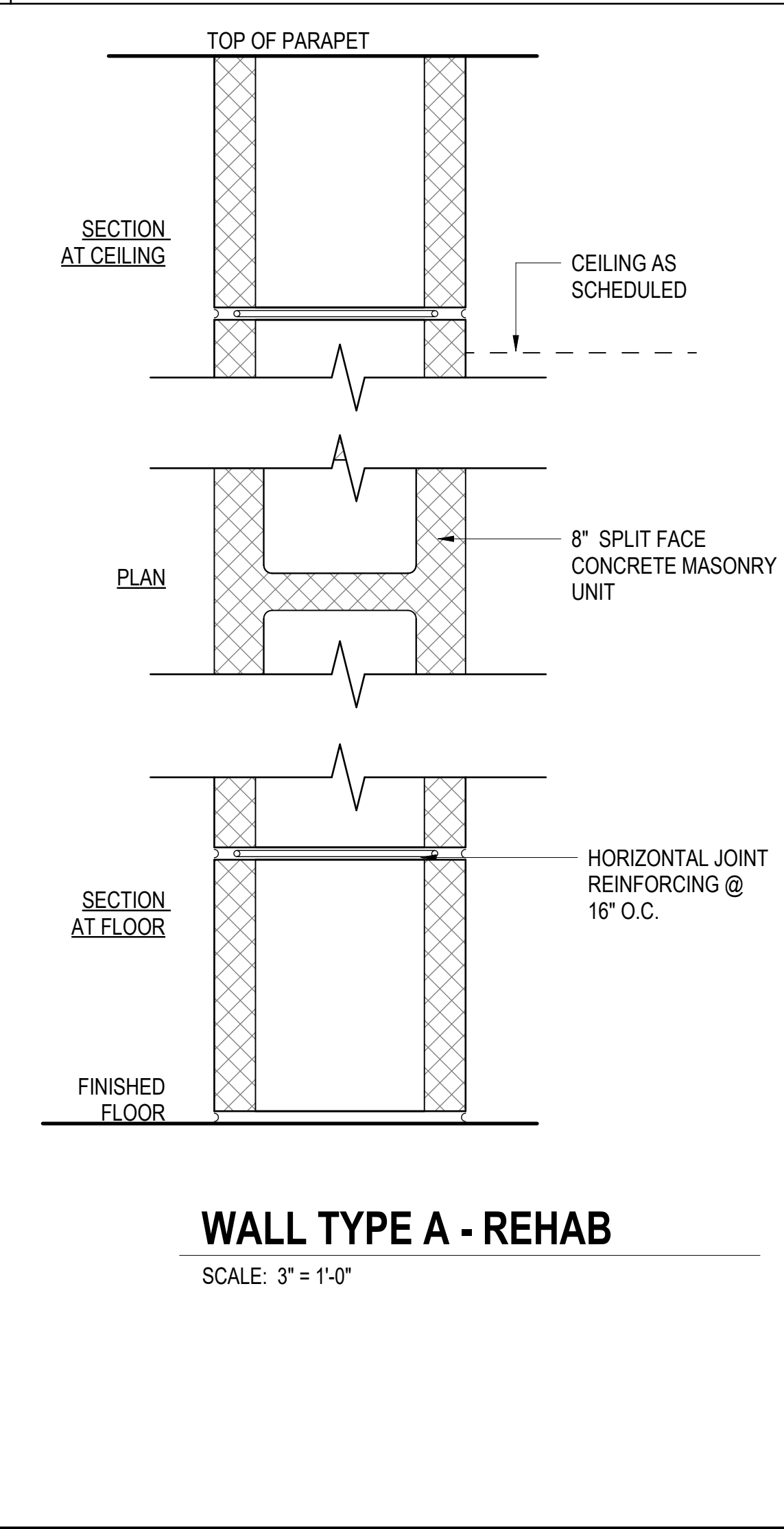
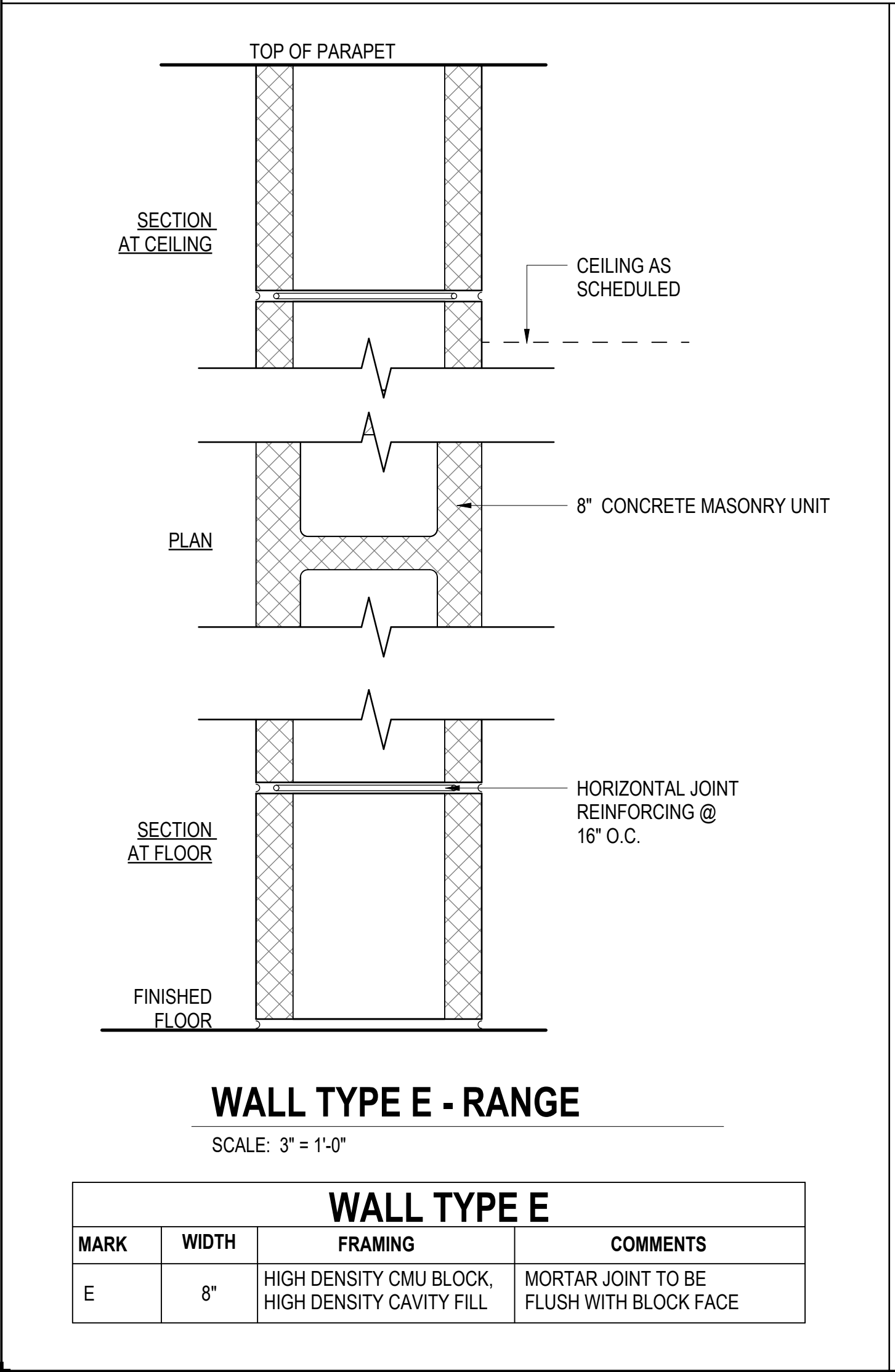
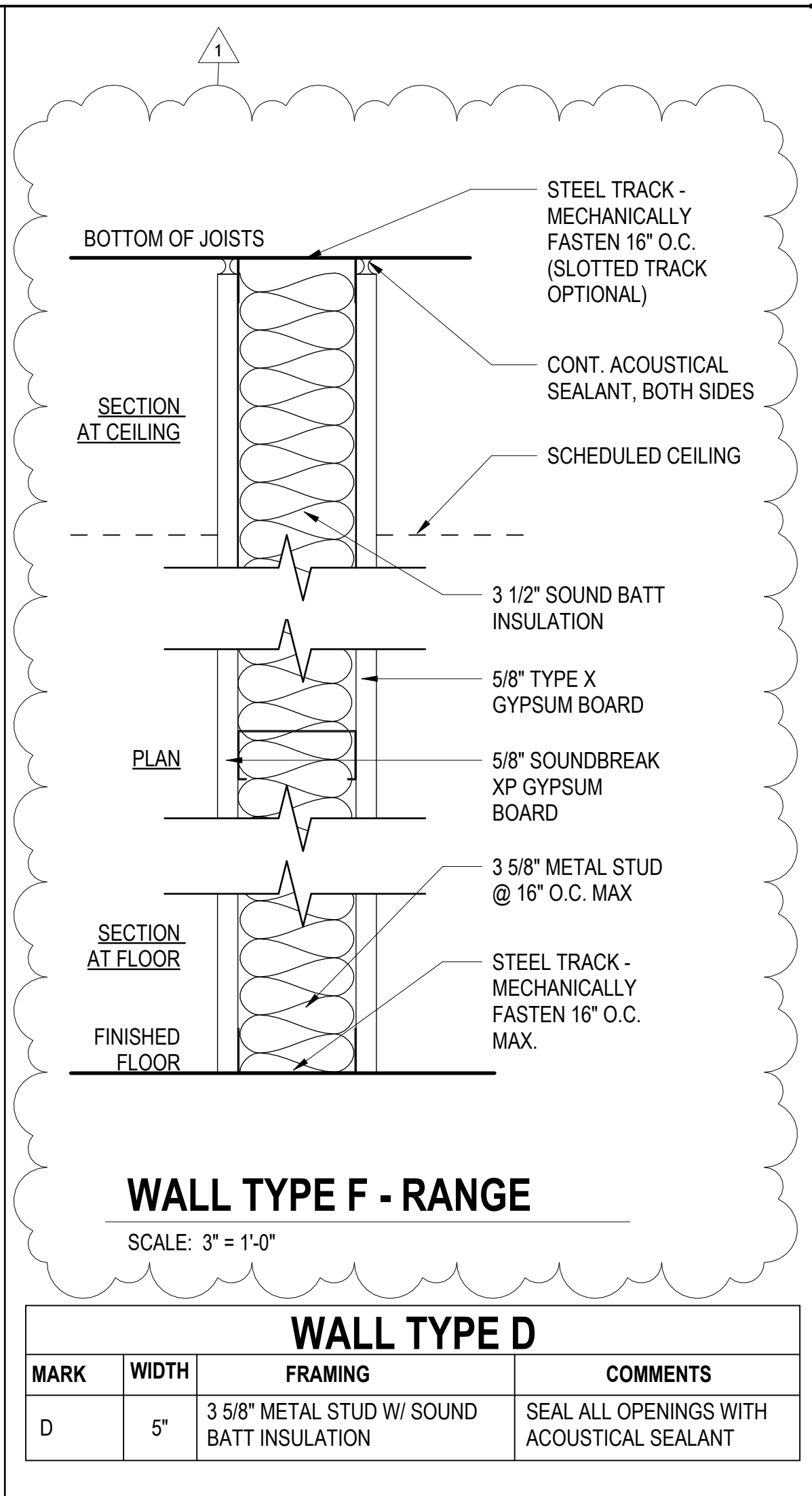
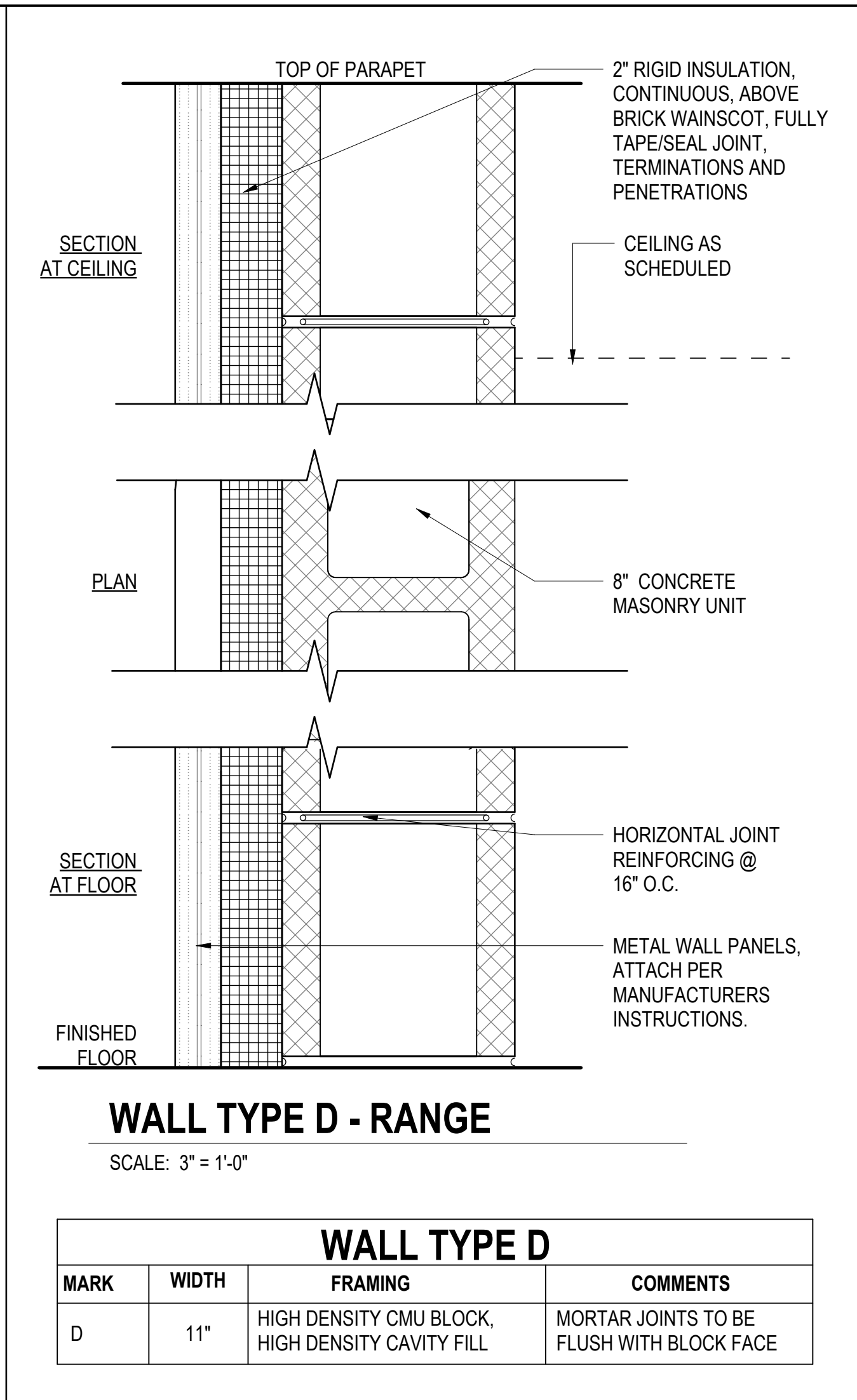
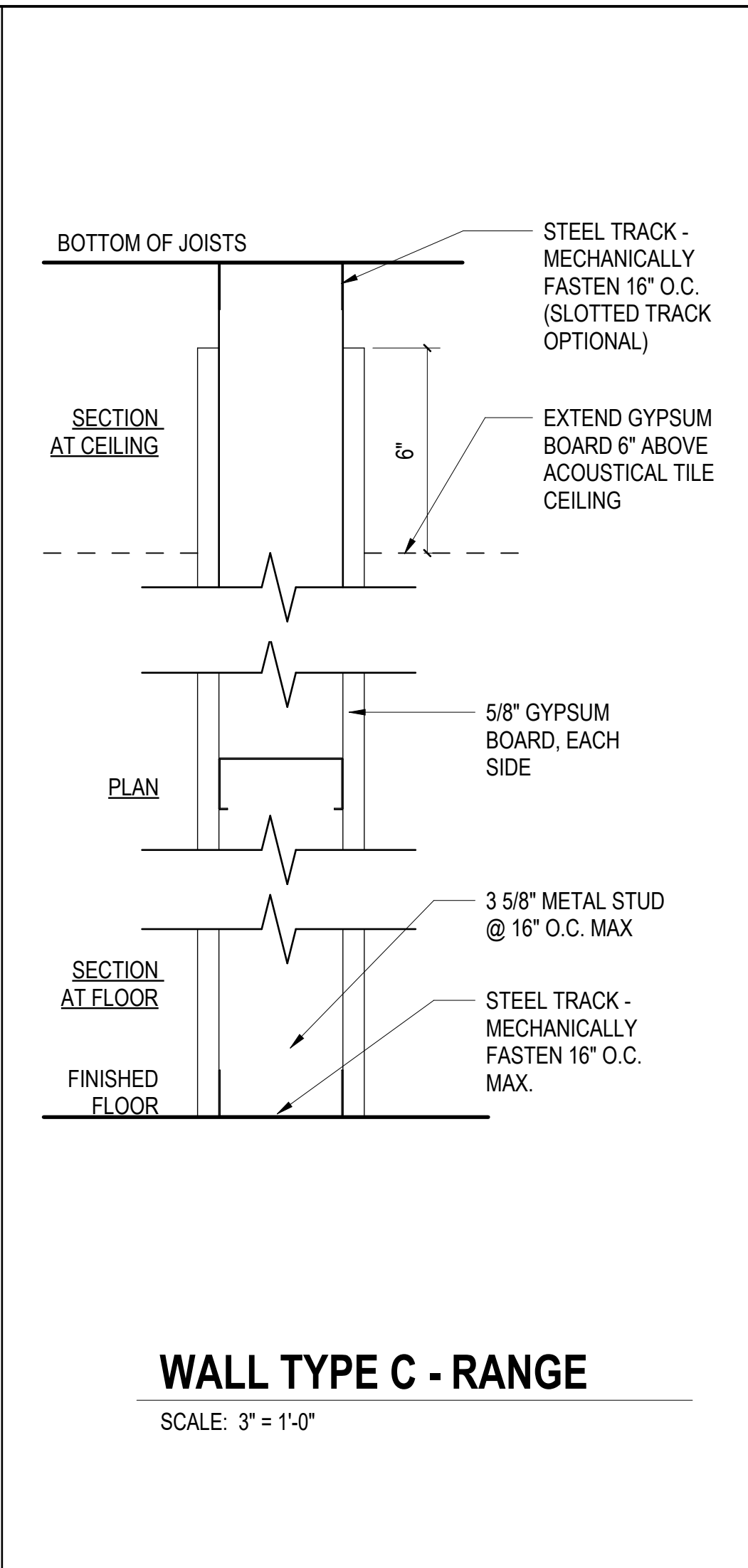
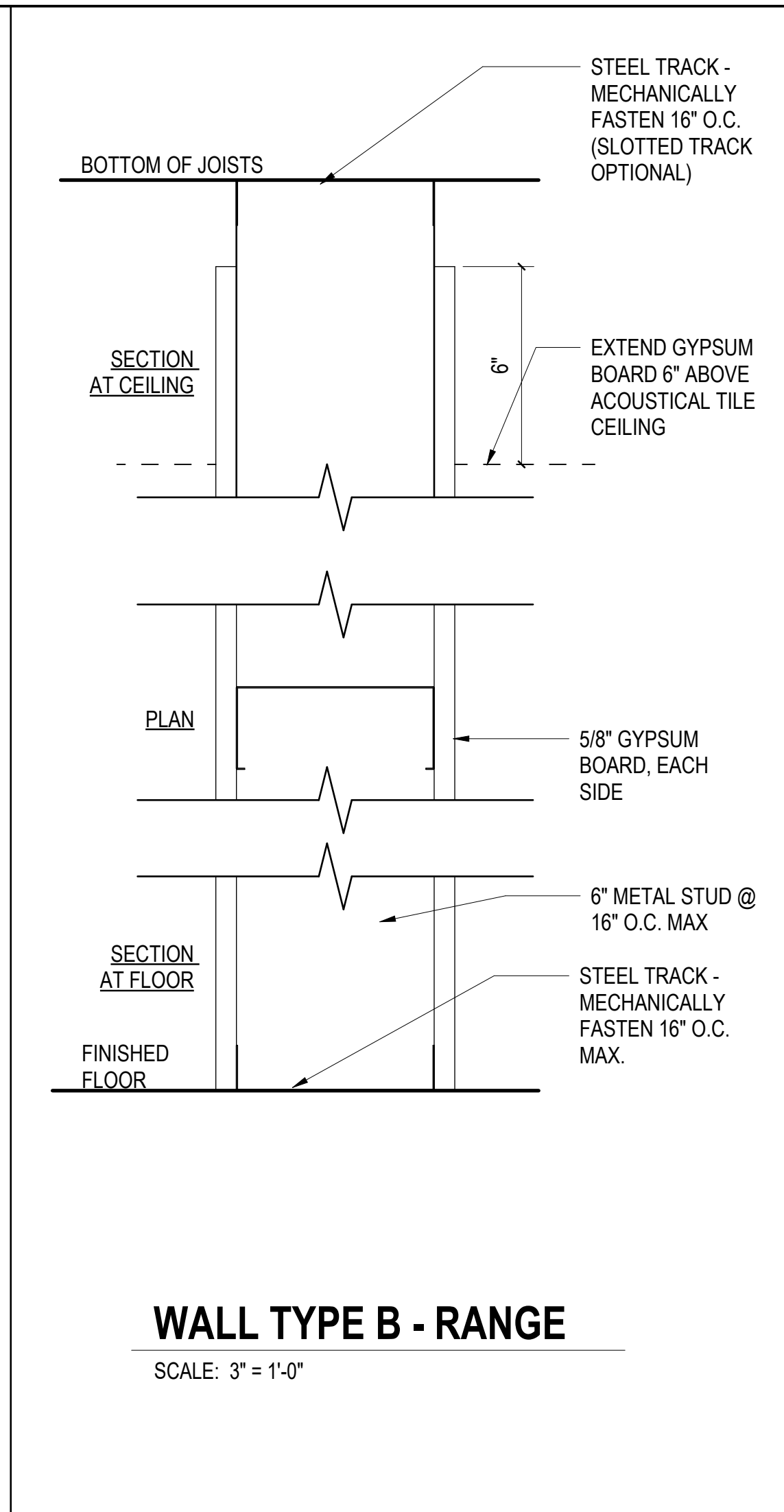
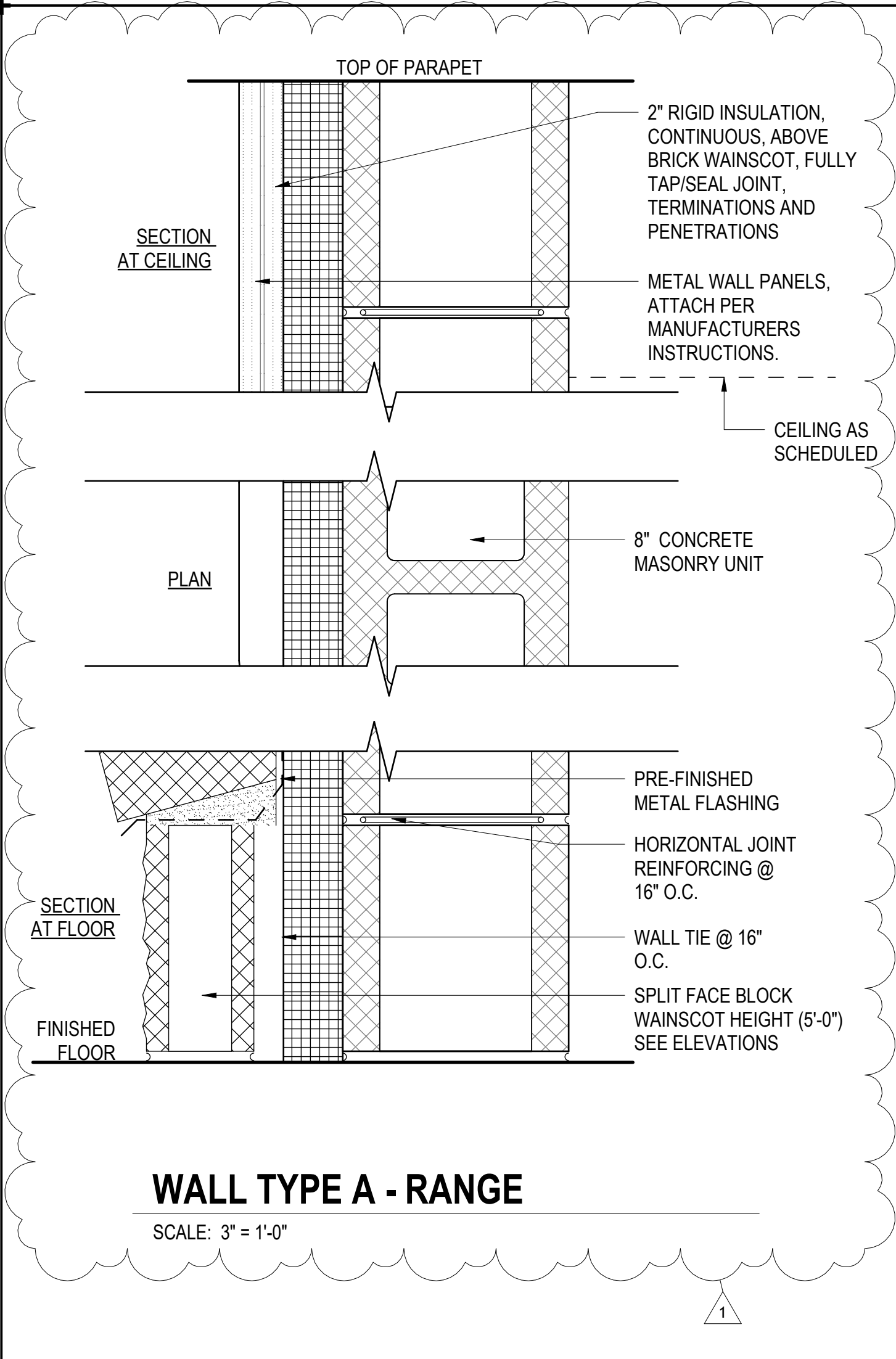
DETAILS

Sheet Number
75 of **158**

Drawing Number

CS505

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



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

Christopher B. Walker
REGISTERED
SEAL
15616
07/28/25
ARCHITECT
NORTH CAROLINA

THE WALKER GROUP ARCHITECTURE, INCORPORATED
REGISTERED ARCHITECTURAL CORPORATION
CERT. NO.
51132
NORTH CAROLINA
NEW BERN, NC

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525 Executive Pkwy
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Bid Documents
SCO # 24-27879-01A

Revisions	No.	Date
ADDENDUM	01	08.25.25
	1	

Project Number
2407.SAFE

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Scale
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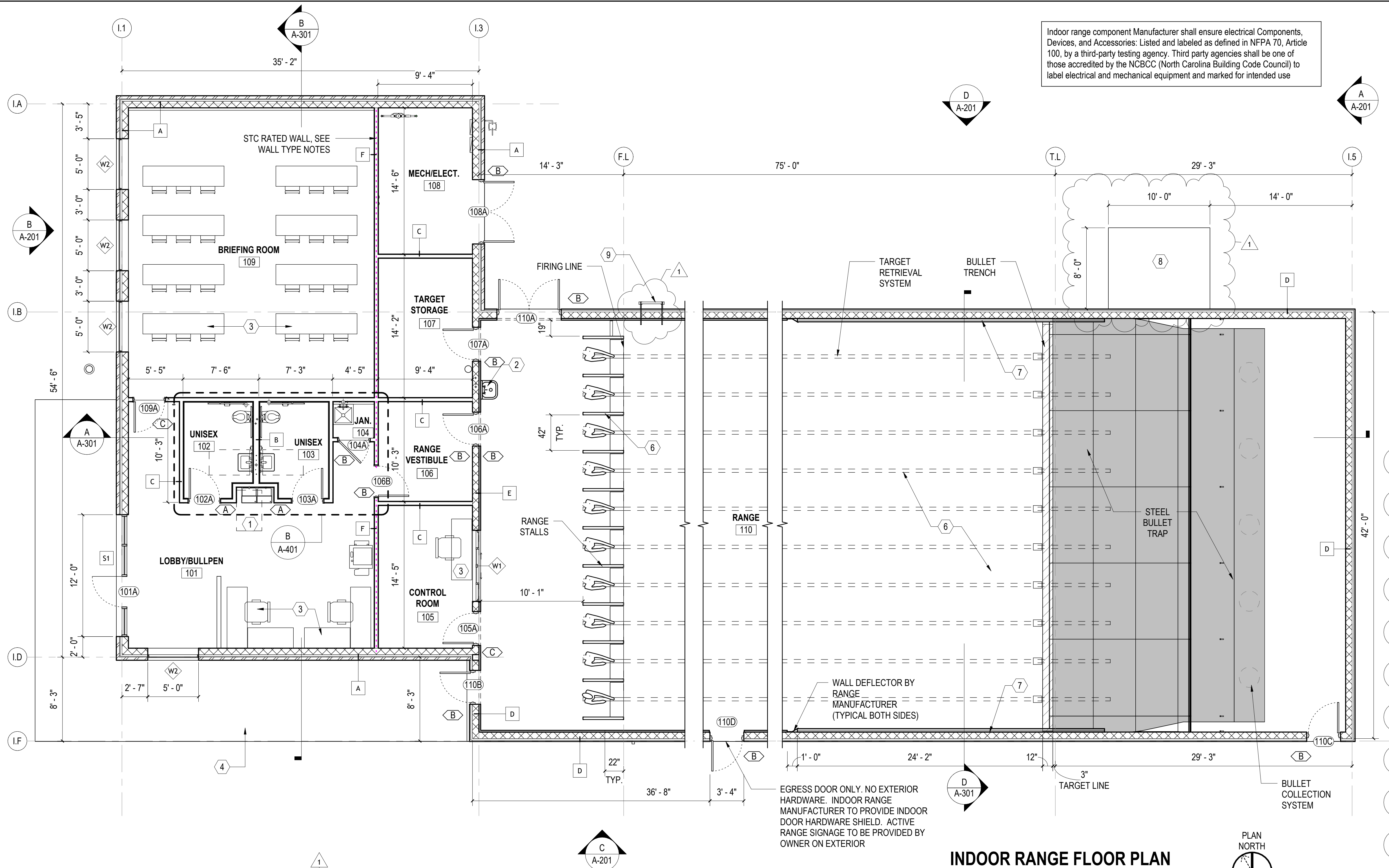
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**WALL & ROOF TYPE
ASSEMBLIES**

Sheet Number
86 Of 158

Drawing Number
A-003

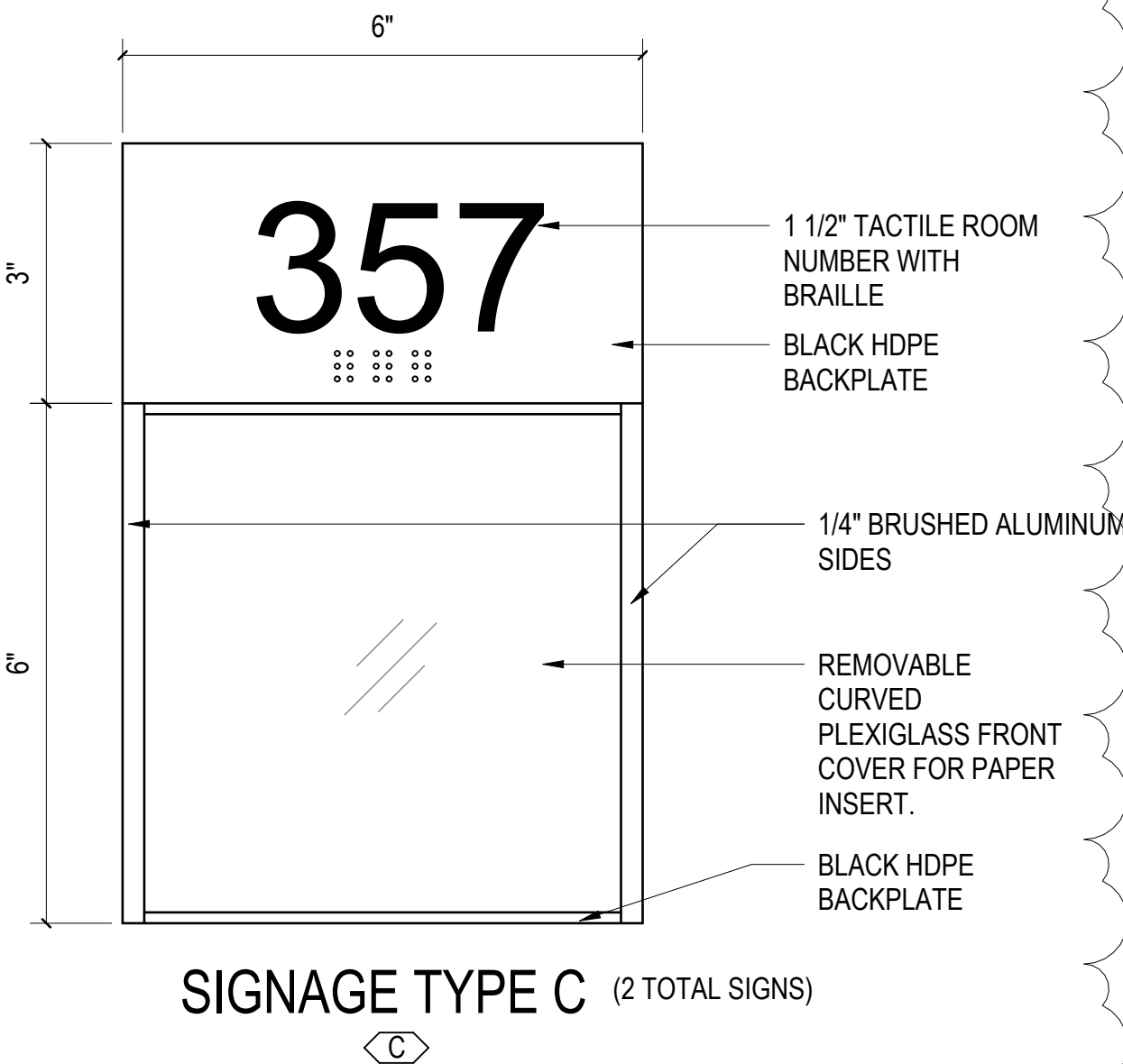
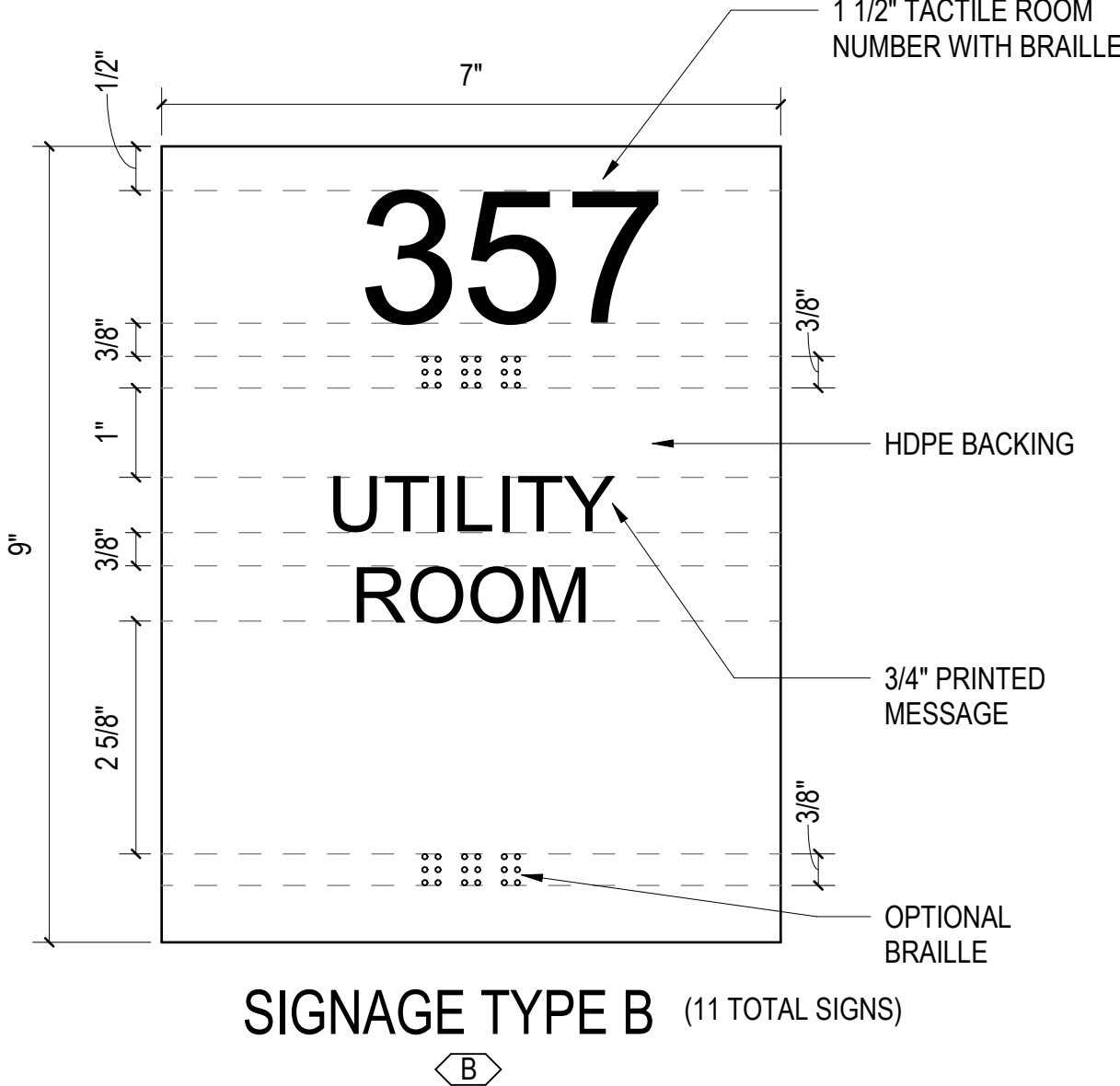
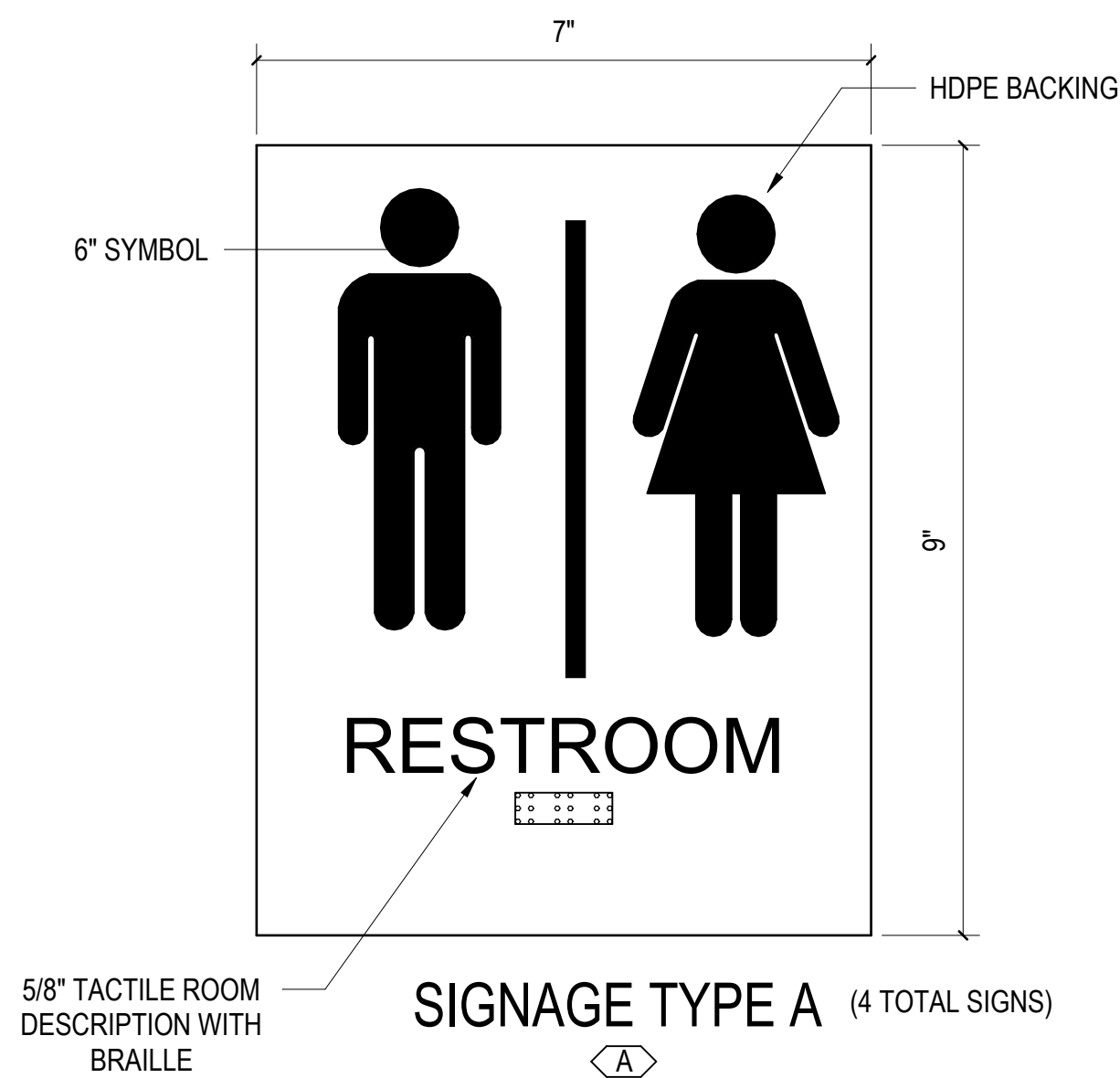
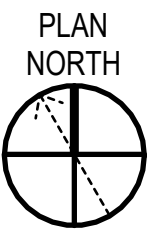
3" = 1'-0"

0' 3' 6' 9'



INDOOR RANGE FLOOR PLAN

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



GENERAL SHEET NOTES

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

KEYNOTES

MARK	DESCRIPTION
1	HI-LOW WATER COOLER. SEE PLUMBING.
2	WALL HUNG SINK. SEE PLUMBING.
3	FURNITURE PROVIDED BY OWNER, TYPICAL.
4	CONCRETE SIDEWALK. SEE CIVIL.
6	INDOOR RANGE EQUIPMENT INCLUDING; RANGE STALLS, TARGET RETRIEVAL SYSTEM, CONTROL SYSTEM, STEEL BULLET TRAP, BULLET COLLECTION AND DUST CONTAINMENT, CEILING BAFFLES, AND COMPLETE RANGE HVAC SYSTEM. DESIGNED/PROVIDED AND INSTALLED BY RANGE COMPONENT MANUFACTURER. SEE OWNER PREFERRED ALTERNATE 06 ON SHEET G1001.
7	COMBAT WALL BAFFLES. DESIGNED/PROVIDED AND INSTALLED BY RANGE COMPONENT MANUFACTURER. SEE OWNER PREFERRED ALTERNATE 06 ON SHEET G1001.
8	CONCRETE PAD FOR DUST COLLECTION UNIT. SEE CIVIL.
9	FIXED ALUMINUM WALL LADDER WITH PARAPET RETURN AND CROSSOVER PLATFORM.

RANGE FINISH SCHEDULE

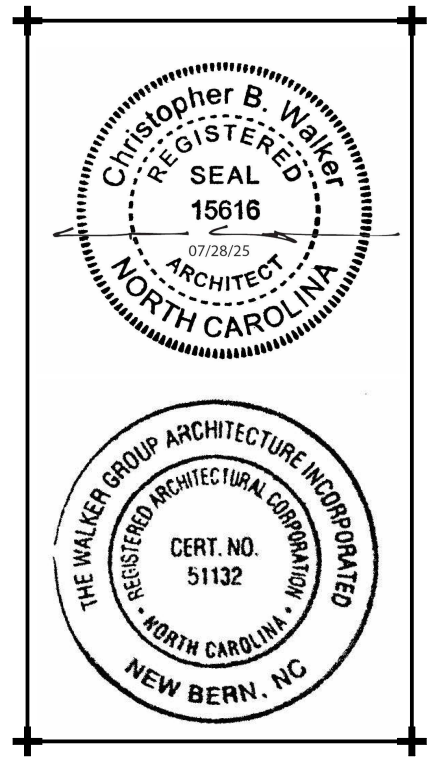
NUMBER	NAME	FLOOR	BASE	WALL	CEILING	COMMENTS
101	LOBBY/BULLPEN	LVT	RUB	GYP. B.D. PAINT	ACT	
102	UNISEX	TILE	TILE	TILE	GYP. B.D. PAINT	WALL TILE TO 5'-0"
103	UNISEX	TILE	TILE	TILE	GYP. B.D. PAINT	WALL TILE TO 5'-0"
104	JAN.	LVT	RUB	GYP. B.D. PAINT	GYP. B.D. PAINT	
105	CONTROL ROOM	LVT	RUB	CMU-PAINT	ACT	
106	RANGE VESTIBULE	SEALED CONC.	RUB	CMU-PAINT	ACT	
107	TARGET STORAGE	SEALED CONC.	RUB	CMU-PAINT	EXPOSE D. PAINT	
108	MECH/ELEC T.	SEALED CONC.	RUB	CMU-PAINT	EXPOSE D. PAINT	
109	BRIEFING ROOM	LVT	RUB	CMU-PAINT	ACT	
110	RANGE	SEALED CONC.	-	CMU-PAINT	ACT	ACT CEILING @ FRONT ONLY

RANGE WALL TYPES LEGEND

MARK	NOTES
A	1-1/2" METAL CLADDING, VAPOR BARRIER, 2" POLYISOCYANURATE INSULATION, 8" REINFORCED CMU. (PROVIDE SPLIT FACE BLOCK VENEER WAINSCOT IN LIEU OF METAL PANEL TO 5'-0" A.F.F.)
B	6" METAL STUDS @ 16" O.C. WITH 5/8" GYPSUM BOARD EACH SIDE. FULL HEIGHT TO 6" ABOVE CEILING. EXTEND STUDS AT 4'-0" O.C. TO STRUCTURE ABOVE.
C	3-5/8" METAL STUDS @ 16" O.C. WITH 5/8" GYPSUM BOARD EACH SIDE. PAINT. FULL HEIGHT TO 6" ABOVE CEILING. EXTEND STUDS AT 4'-0" O.C. TO STRUCTURE ABOVE.
D	1-1/2" METAL CLADDING, VAPOR BARRIER, 2" POLYISOCYANURATE INSULATION, 8" REINFORCED CMU. CMU CELLS SHALL BE FULLY GROUTED AT RANGE.
E	8" REINFORCED FULL HEIGHT CMU WALL. PROVIDE INSULATION AND METAL PANELS FROM LOWER ROOF TO UPPER ROOF. CMU CELLS SHALL BE FULLY GROUTED AT RANGE.
F	3-5/8" METAL STUDS @ 16" O.C., 3 1/2" SOUND BETT INSULATION, 5/8" SOUNDBREAK GYPSUM BOARD ON ONE SIDE AND 5/8" TYPE X GYPSUM BOARD ON THE OTHER. EXTEND WALL AND FINISH TO BOTTOM OF STRUCTURE.

WALL TYPE NOTES:

- PROVIDE 5/8" CEMENT BACKER BOARD (IN LIEU OF GYPSUM BOARD) AND PORCELAIN TILE AT WAINSCOT LOCATIONS (HEIGHT 5'-0") IN BATHROOMS.
- STC-55 WALL ASSEMBLY; 3 5/8" STEEL STUDS 20 GA. 24" O.C., 3 1/2" GLASS FIBER INSULATION, 5/8" GYPSUM BOARD ON ONE SIDE AND 5/8" SOUNDBREAK XP GYPSUM BOARD ON THE OTHER.
- RANGE SIDE AND RANGE VESTIBULE WALLS TO BE TREATED WITH POROUS EXPANDED POLYPROPYLENE (PEPP) ACOUSTICAL PANELING TO 10'-0". TREATMENT DESIGNED/PROVIDED AND INSTALLED BY RANGE COMPONENT MANUFACTURER. SEE OWNER PREFERRED ALTERNATE 06 ON SHEET G1001.



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525 Executive Pkwy
New Bern, NC 28562

Bid Documents
SCO # 24-27879-01A

No.	Date	Revisions
1	01.08.25	APPENDIX 01.08.25.25

Project Number
2407.SAFE

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Scale
AS NOTED

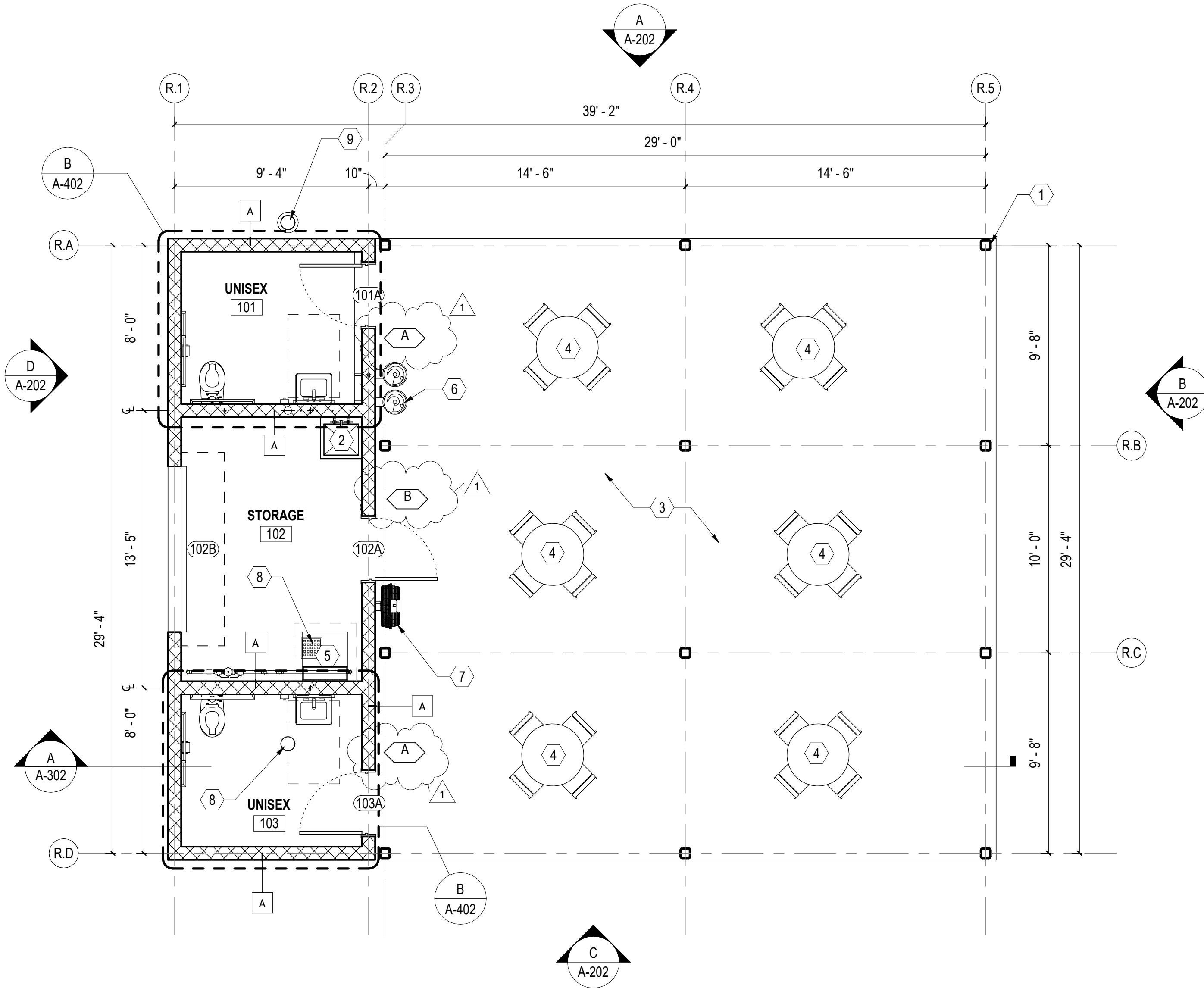
Drawing Title

INDOOR RANGE
FLOOR PLAN

Sheet Number
88 Of 158

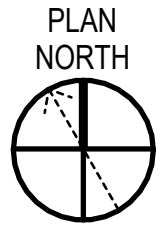
Drawing Number

A-101



REHAB SHELTER FLOOR PLAN

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



GENERAL SHEET NOTES

1. SEE CIVIL, STRUCTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL NOTES.
2. SEE SCHEDULES FOR WALL TYPES, DOOR/FRAME/WINDOW TYPES AND SIZES, AND FLOOR/WALL/CEILING FINISHES.
3. PROTECT EXISTING ITEMS TO REMAIN.

NEW WORK KEYNOTES

MARK	DESCRIPTION
1	30"x30" PRE-FINISHED METAL CANOPY. PROVIDED AND INSTALLED BY OWNER.
2	MOP SINK. SEE PLUMBING.
3	6" CONCRETE PAD AND FOUNDATION. SEE STRUCTURAL.
4	OUTDOOR TABLES AND CHAIRS PROVIDED BY OWNER.
5	ICE MACHINE PROVIDED BY OWNER.
6	HI-LOW WATER COOLER, SEE PLUMBING.
7	WALL MOUNTED FAN, SEE MECHANICAL.
8	FLOOR DRAIN, SEE PLUMBING.
9	PLUMBING CLEANOUT. SEE PLUMBING.

NOTE: WORK RELATED TO REHAB SHELTERS IS CONSIDERED BID ALTERNATE 03, SEE SHEET G1001.

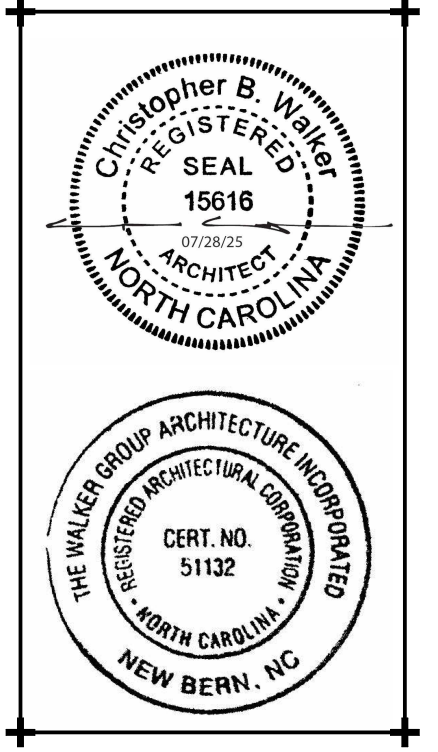
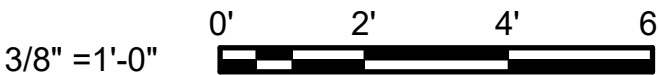
REHAB FINISH SCHEDULE

NUMBER	NAME	FLOOR	BASE	WALL	CEILING	COMMENTS
101	STORAGE	S.CONC.	-	CMU-PAINT	GYP. BD.	
102	UNISEX BATHROOM	TILE	TILE	CMU-PAINT	GYP. BD.	
103	UNISEX BATHROOM	TILE	TILE	CMU-PAINT	GYP. BD.	

REHAB WALL TYPE LEGEND

MARK	NOTES
A	8" REINFORCED CMU. SEE STRUCTURAL.

GRAPHIC SCALE(S)



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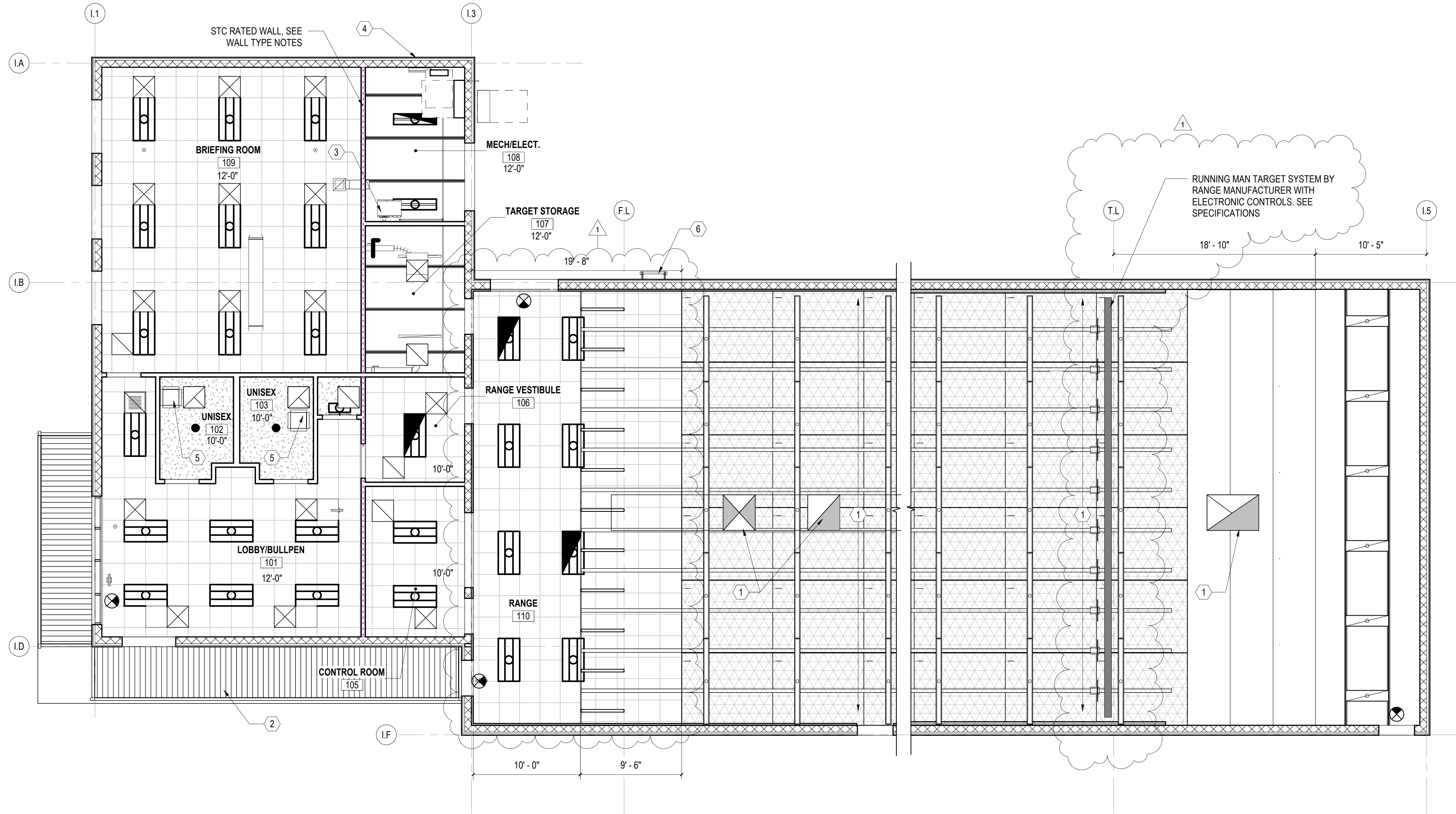
Drawing Title

REHAB SHELTER
FLOOR PLAN

Sheet Number
89 Of 158

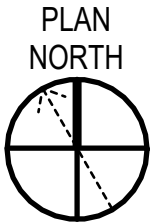
Drawing Number

A-102



INDOOR RANGE CEILING PLAN

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



GENERAL SHEET NOTES

1. SEE CIVIL, STRUCTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL NOTES.
2. SEE SCHEDULES FOR WALL TYPES, DOOR/FRAME/WINDOW TYPES AND SIZES, AND FLOOR/WALL/CEILING FINISHES.
3. PROTECT EXISTING ITEMS TO REMAIN.

NEW WORK KEYNOTES

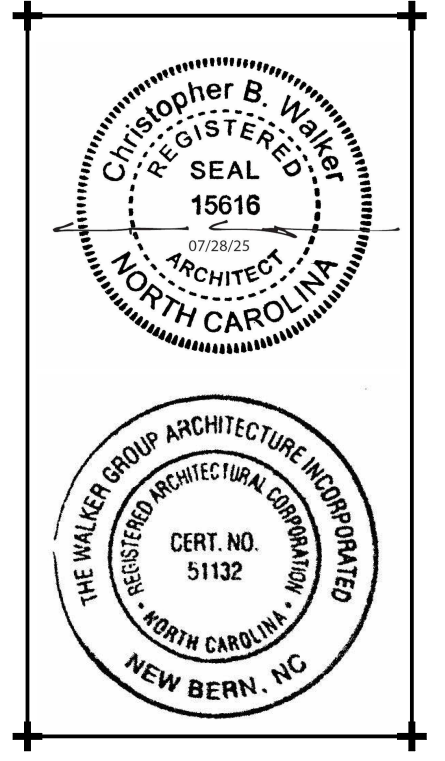
MARK	DESCRIPTION
1	INDOOR RANGE EQUIPMENT INCLUDING: RANGE STALLS, TARGET RETRIEVAL SYSTEM, CONTROL SYSTEM, STEEL BULLET TRAP, BULLET COLLECTION AND DUST CONTAINMENT, CEILING/WALL BAFFLES, AND COMPLETE RANGE HVAC SYSTEM. DESIGNED/PROVIDED AND INSTALLED BY RANGE COMPONENT MANUFACTURER. SEE OWNER PREFERRED ALTERNATE 06 ON SHEET GI001.
2	PRE-FINISHED OVERHEAD SUPPORTED METAL CANOPY. INSTALL PER MANUFACTURERS RECOMMENDATION. SEE DETAILS ON A-501.
3	UNIT HEATER, VENT PIPING, COMBUSTION PIPING AND HANGERS, SEE MECHANICAL.
4	WALL LOUVER, SEE MECHANICAL.
5	18"x18" CEILING MOUNTED ACCESS PANEL.
6	FIXED ALUMINUM WALL LADDER WITH PARAPET RETURN AND CROSSOVER PLATFORM.

REFLECTED CEILING PLAN LEGEND

SYMBOL	DESCRIPTION
	ACOUSTICAL CEILING GRID, TILES, AND HANGERS. SEE DETAIL F&G/A-503.
	GYPSON BOARD CEILING. SEE DETAIL E/A-503.
	SUSPENDED BALLISTIC CEILING BAFFLES BY RANGE COMPONENT MANUFACTURER. SEE OWNER PREFERRED ALTERNATE 06 ON SHEET GI001.
	EXPOSED STEEL DECKING ABOVE ROOF JOIST, PAINT DECKING WHERE EXPOSED.
	(X'-X") FINISHED CEILING HEIGHT ABOVE FINISHED FLOOR
	LIGHT FIXTURE. REFER TO ELECTRICAL DRAWINGS.
	EXIT SIGN, REFER TO ELECTRICAL DRAWING, LIFE SAFETY PLAN
	CEILING SUPPLY DIFFUSER. REFER TO MECHANICAL DRAWINGS.
	CEILING RETURN OR EXHAUST. REFER TO MECHANICAL DRAWINGS.

GRAPHIC SCALE(S)

3/16" = 1'-0" 0' 4' 8' 12'



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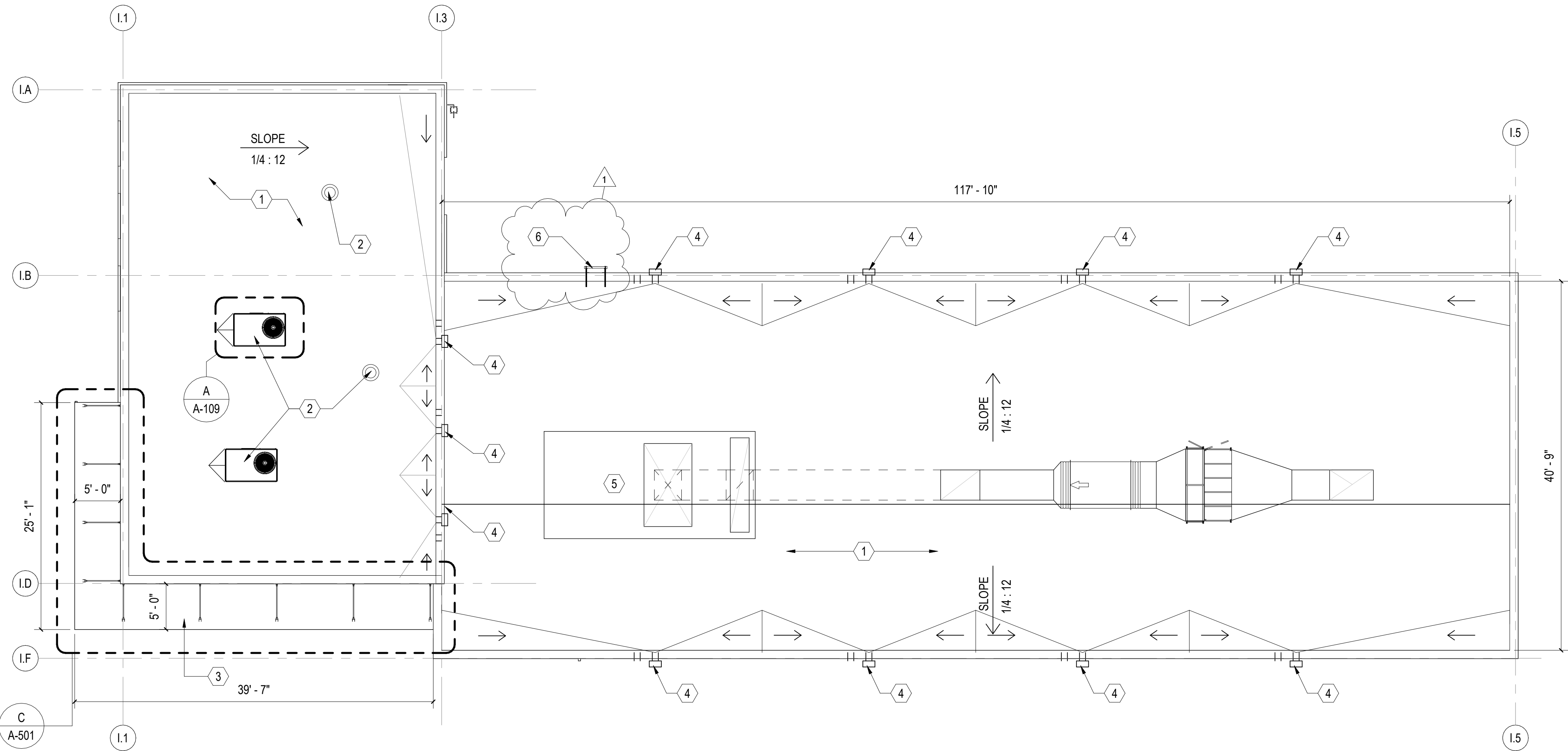
Drawing Title

**INDOOR RANGE
REFLECTED CEILING
PLAN**

Sheet Number
94 Of 158

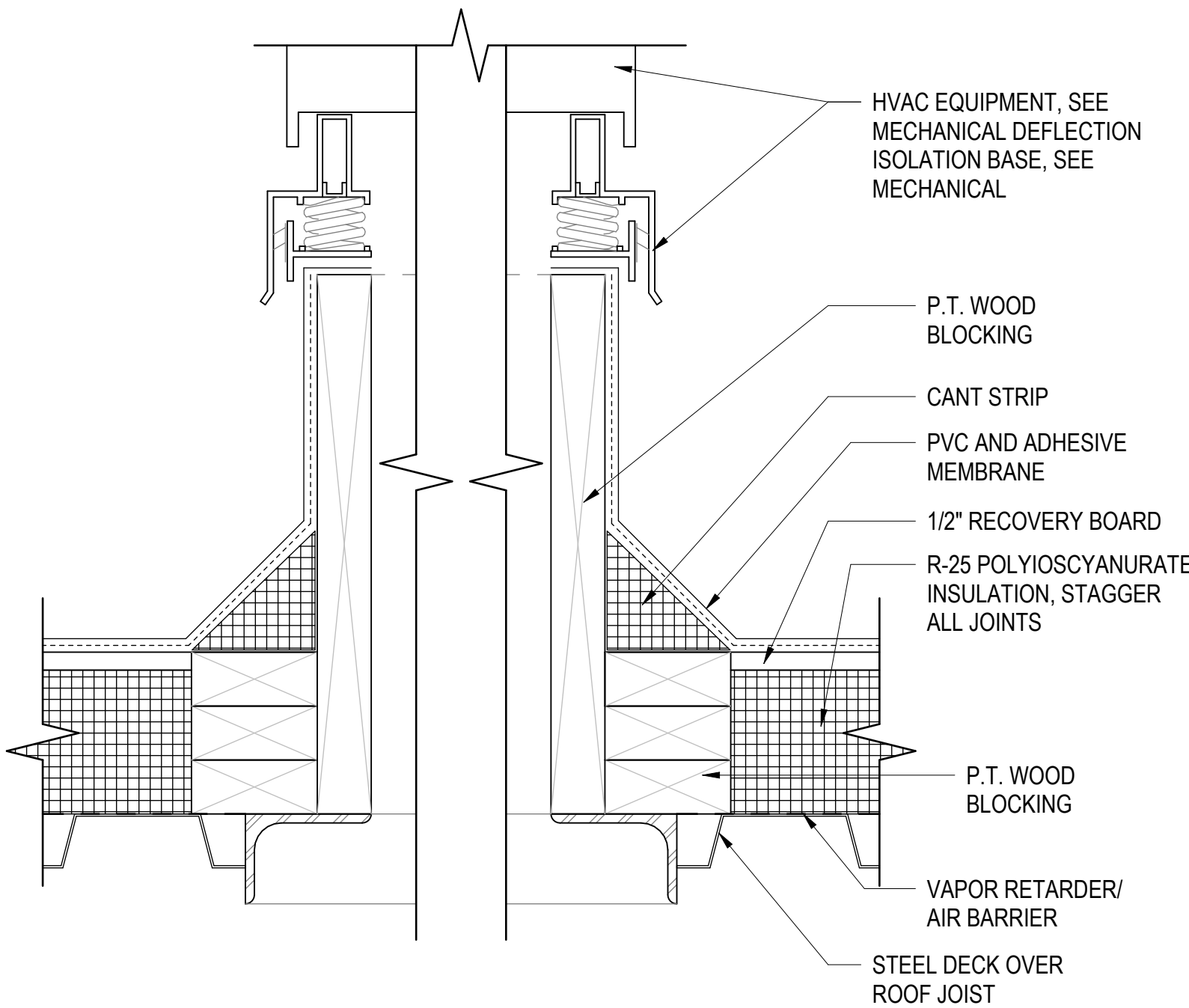
Drawing Number

A-107



INDOOR RANGE ROOF PLAN

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



A MECHANICAL EQUIPMENT CURB DETAIL
SCALE: 3" = 1'-0" (A-109)

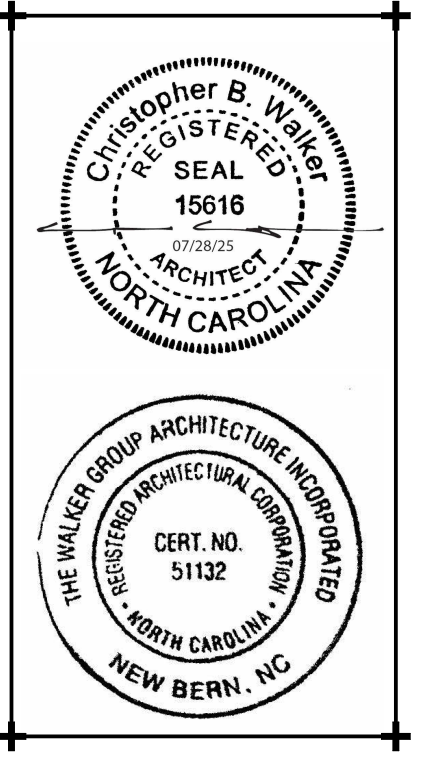
GENERAL SHEET NOTES

1. SEE CIVIL, STRUCTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL NOTES.
2. SEE SCHEDULES FOR WALL TYPES, DOOR/FRAME/WINDOW TYPES AND SIZES, AND FLOOR/WALL/CEILING FINISHES.
3. PROTECT EXISTING ITEMS TO REMAIN.

NEW WORK KEYNOTES

MARK	DESCRIPTION
1	PVC MEMBRANE ROOF SYSTEM OVER RECOVERY BOARD, R-25 POLYISOCYANURATE INSULATION, VAPOR RETARDER AND METAL DECKING AND STEEL ROOF JOISTS. SEE STRUCTURAL. SEE ROOF TYPES ON A-003.
2	ROOFTOP MECHANICAL UNITS, CURBS AND CRICKETS. SEE MECHANICAL. SEE DETAIL A/A-110.
3	PRE-FINISHED OVERHEAD SUPPORTED METAL CANOPY. INSTALL PER MANUFACTURERS RECOMMENDATION. SEE DETAILS ON A-501.
4	6" X 6" THROUGH WALL SCUPPER WITH 6" CONDUCTOR HEAD AND 4" X 4" DOWNSPOUT. PROVIDE 6" X 6" ADJACENT OVERFLOW SCUPPER. SEE DETAILS ON A-502.
5	INDOOR RANGE EQUIPMENT INCLUDING; DUST CONTAINMENT AND COMPLETE RANGE HVAC SYSTEM. DESIGNED/PROVIDED AND INSTALLED BY RANGE COMPONENT MANUFACTURER. SEE OWNER PREFERRED ALTERNATE 06 ON SHEET G1001.
6	FIXED ALUMINUM WALL LADDER WITH PARAPET RETURN AND CROSSOVER PLATFORM.

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



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**INDOOR RANGE
ROOF PLAN**

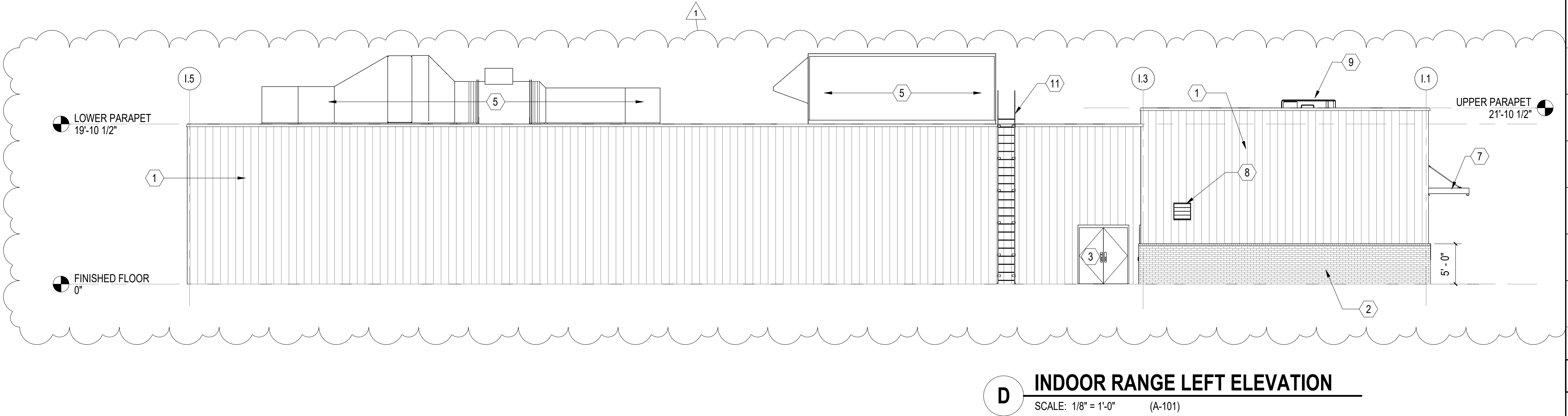
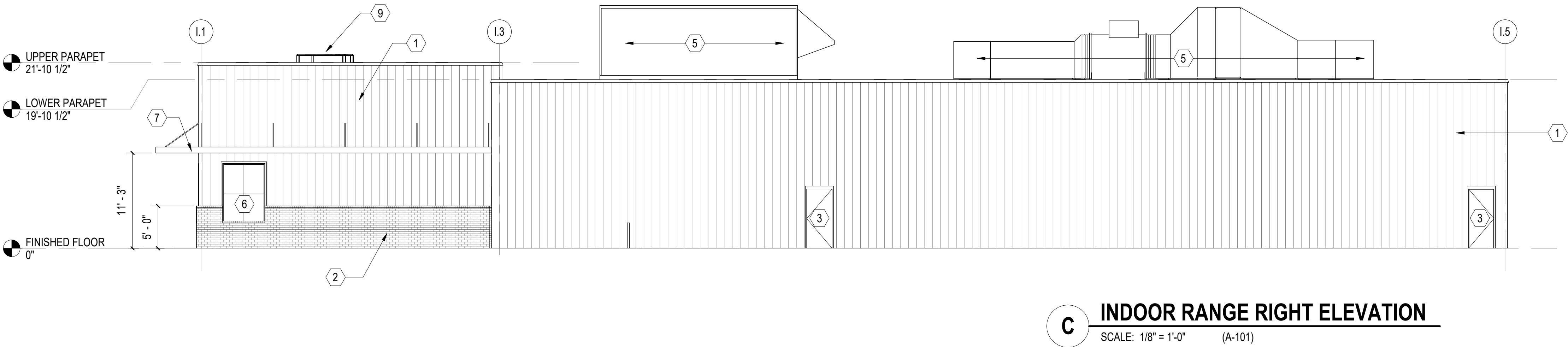
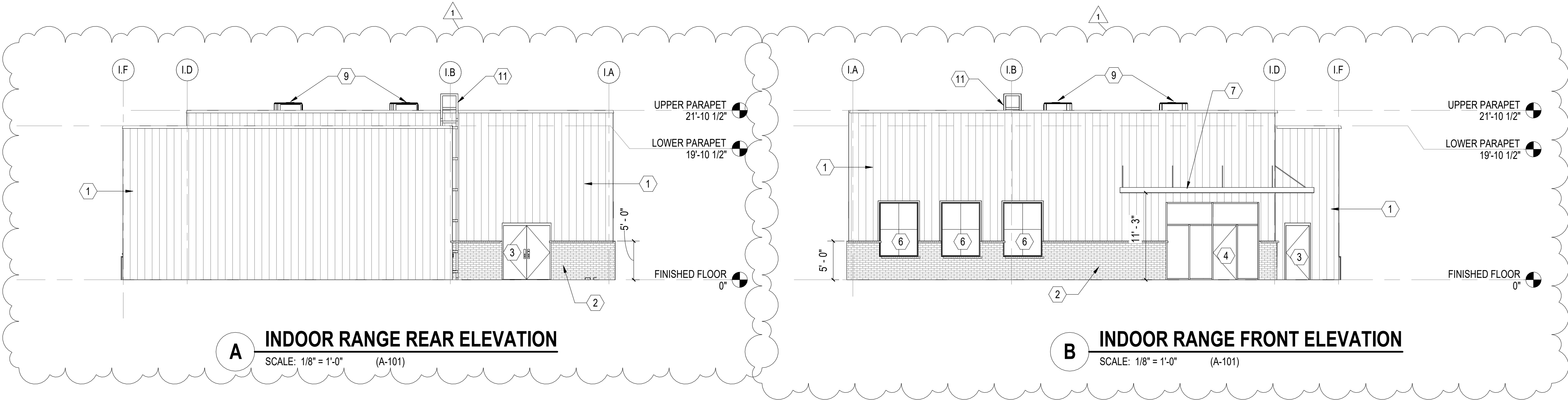
Sheet Number
96 Of 158

Drawing Number

A-109

GRAPHIC SCALE(S)

1/8" = 1'-0" 0' 4' 8' 16'



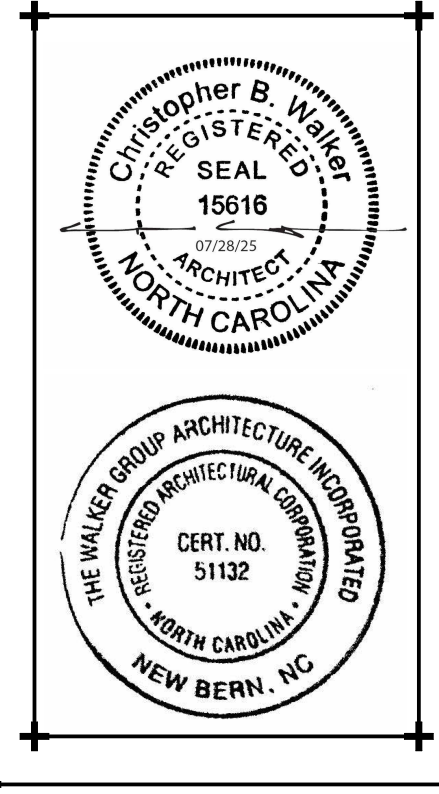
GENERAL SHEET NOTES

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

NEW WORK KEYNOTES

MARK	DESCRIPTION
1	PRE-FINISHED METAL WALL PANEL.
2	SPLIT FACE BLOCK WAINSCOT, SEE WALL TYPES ON A-003.
3	HOLLOW METAL FRAME AND STEEL DOOR. SEE DOOR SCHEDULE.
4	ALUMINUM STOREFRONT SYSTEM AND DOOR. SEE SCHEDULE.
5	INDOOR RANGE EQUIPMENT INCLUDING; DUST CONTAINMENT AND COMPLETE RANGE HVAC SYSTEM. DESIGNED/PROVIDED AND INSTALLED BY RANGE COMPONENT MANUFACTURER. SEE OWNER PREFERRED ALTERNATE 06 ON SHEET G1001.
6	ALUMINUM WINDOW. SILL HEIGHT 3'-0. SEE WINDOW SCHEDULE.
7	PRE-FINISHED OVERHEAD SUPPORTED METAL CANOPY. INSTALL PER MANUFACTURERS RECOMMENDATION. SEE DETAILS ON A-501.
8	WALL LOUVER, SEE MECHANICAL.
9	ROOFTOP MECHANICAL UNITS, CURBS AND CRICKETS, SEE MECHANICAL. SEE DETAIL A/A-110.
11	FIXED ALUMINUM WALL LADDER WITH PARAPET RETURN AND CROSSOVER PLATFORM. LADDER TO BE FABRICATED FROM 6061-T6 ALUMINUM ALLOY, INCLUDE SIDE RAILS WITH 1 1/8" ROUND RUNGS THAT ARE SERRATED AND SECURED WITH CAST ALUMINUM CONNECTORS. 4 SOLID RIVETS AND 3/8" THICK BRACKETS MOUNTED TO WALL. PROVIDE PARAPET WALL CROSSOVER PLATFORM WITH GRIPPED STRUT FLOOR AND 4" HIGH TOE BOARDS..INSTALL PER MANUFACTURERS INSTRUCTIONS TO MEET OSHA REQUIREMENTS. PROVIDE PVC FLASHING AND SEALANT AT PARAPET WALL ATTACHMENT PER MANUFACTURER'S RECOMMENDATION WHERE APPLICABLE

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Scale
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Drawing Title

INDOOR RANGE ELEVATIONS

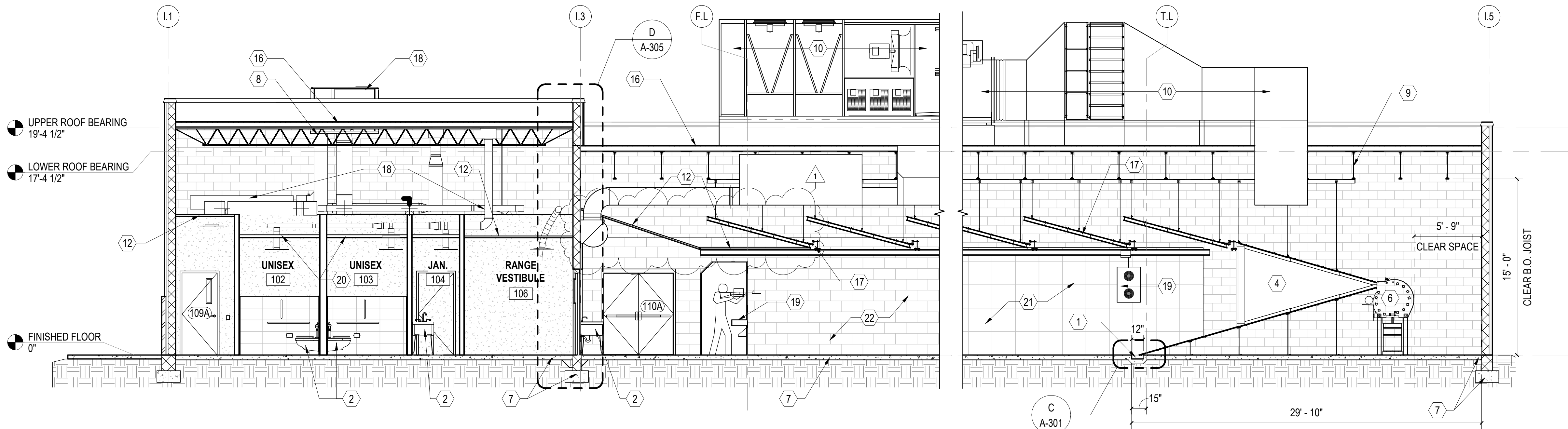
Sheet Number
98 Of 158

Drawing Number

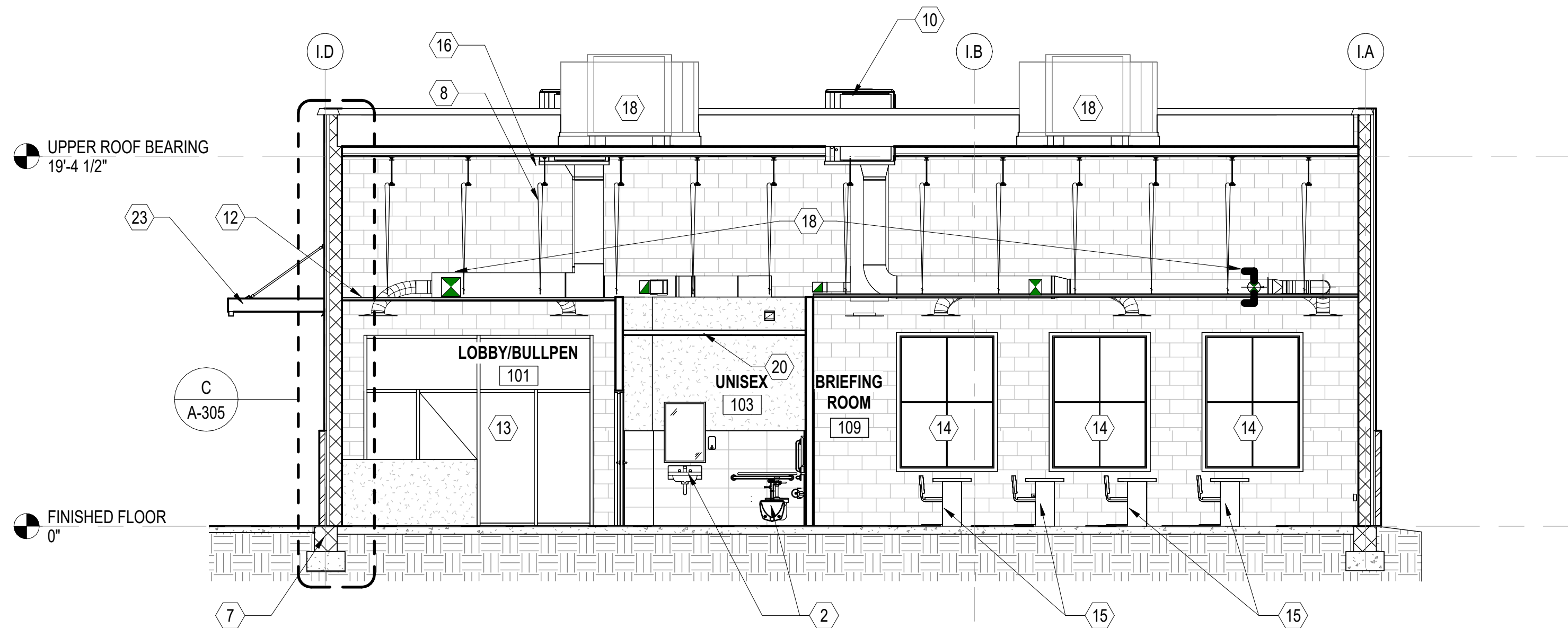
A-201

GRAPHIC SCALE(S)

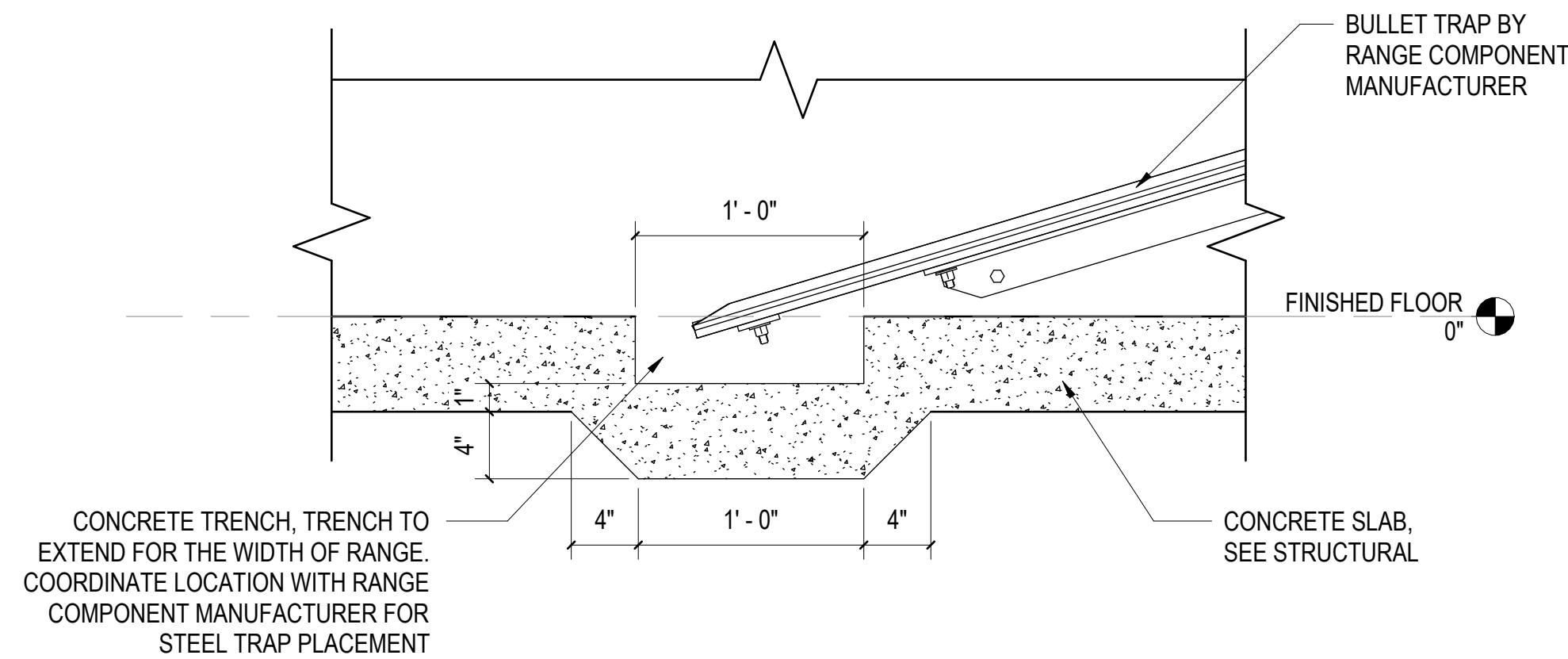
1/8" = 1'-0" 0' 4' 8' 16'



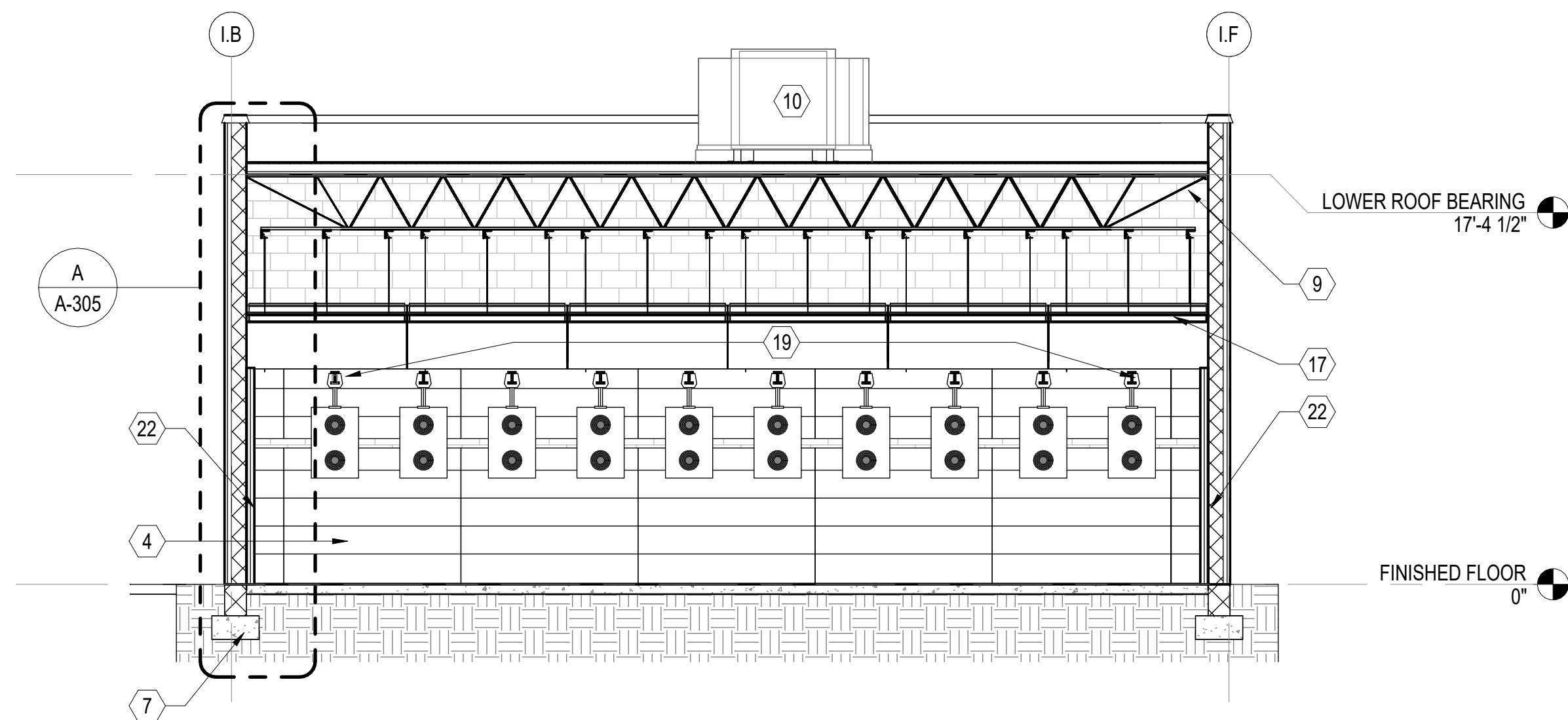
A RANGE BUILDING SECTION
SCALE: 3/16" = 1'-0" (A-101)



B RANGE CLASSROOM SECTION
SCALE: 3/16" = 1'-0" (A-101)



C INDOOR RANGE - TRENCH DETAIL
SCALE: 1 1/2" = 1'-0" (A-301)



D RANGE TARGET/BULLET TRAP SECTION
SCALE: 3/16" = 1'-0" (A-101)

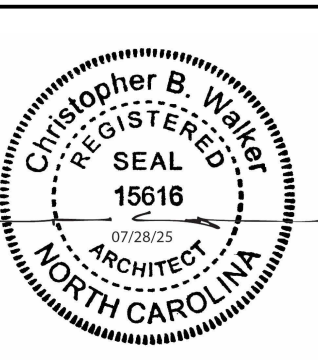
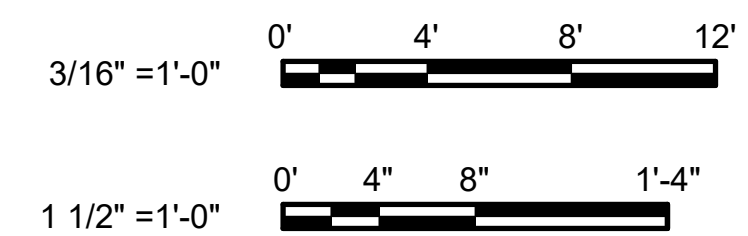
GENERAL SHEET NOTES

1. SEE CIVIL, STRUCTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL NOTES.
2. SEE SCHEDULES FOR WALL TYPES, DOOR/FRAME/WINDOW TYPES AND SIZES, AND FLOOR/WALL/CEILING FINISHES.
3. PROTECT EXISTING ITEMS TO REMAIN.

NEW WORK KEYNOTES

MARK	DESCRIPTION
1	4"D X 12"W CONCRETE BULLET TRENCH. TRENCH EXTENDS FOR THE WIDTH OF THE RANGE. COORDINATE LOCATION WITH RANGE COMPONENT MANUFACTURER FOR STEEL TRAP PLACEMENT.
2	PLUMBING FIXTURES. SEE PLUMBING.
4	BULLET TRAP BY RANGE COMPONENT MANUFACTURER.
6	BULLET TRAP COLLECTION AND EXHAUST SYSTEM BY RANGE COMPONENT MANUFACTURER.
7	CONCRETE SLAB AND FOOTING, SEE STRUCTURAL.
8	K18 JOISTS @ 4' O.C., SEE STRUCTURAL
9	K28 JOISTS @ 4' O.C., SEE STRUCTURAL
10	DUST CONTAINMENT AND COMPLETE RANGE HVAC SYSTEM BY RANGE COMPONET MANUFACTURER.
12	ACOUSTICAL CEILING GRID, TILES, AND HANGERS. SEE REFLECTED CEILING PLAN.
13	ALUMINUM STOREFRONT SYSTEM AND DOOR. SEE STOREFRONT SCHEDULE.
14	ALUMINUM WINDOW. SILL HEIGHT 3'-0. SEE WINDOW SCHEDULE.
15	FURNITURE PROVIDED BY OWNER, TYPICAL.
16	PVC MEMBRANE ROOF SYSTEM OVER VAPOR BARRIER, RECOVERY BOARD, R-25 POLYISOCYANURATE INSULATION, METAL DECKING AND STEEL ROOF JOISTS. SEE STRUCTURAL.
17	BALLISTIC CEILING BAFFLES BY RANGE COMPONENT MANUFACTURER.
18	PROVIDE ROOFTOP UNITS, CURBS AND CRICKETS, SEE MECHANICAL. SEE DETAIL A/A-110.
19	RANGE STALLS, TARGET RETRIEVAL SYSTEM, CONTROL SYSTEM BY RANGE COMPONENT MANUFACTURER.
20	SUSPENDED GYPSUM BOARD CEILING.
21	COMBAT WALL BAFFLES, DESIGNED/PROVIDED AND INSTALLED BY RANGE COMPONENT MANUFACTURER. SEE OWNER PREFERRED ALTERNATE 06 ON SHEET G1001.
22	RANGE SIDE & BACK WALLS TREATED WITH (PEPP) ACOUSTICAL PANELING TO 10'-0". SEE WALL TYPE NOTE ON SHEET A-101 FOR MORE INFORMATION.
23	PRE-FINISHED OVERHEAD SUPPORTED METAL CANOPY. INSTALL PER MANUFACTURERS RECOMMENDATION. SEE DETAILS ON A-501.

GRAPHIC SCALE(S)



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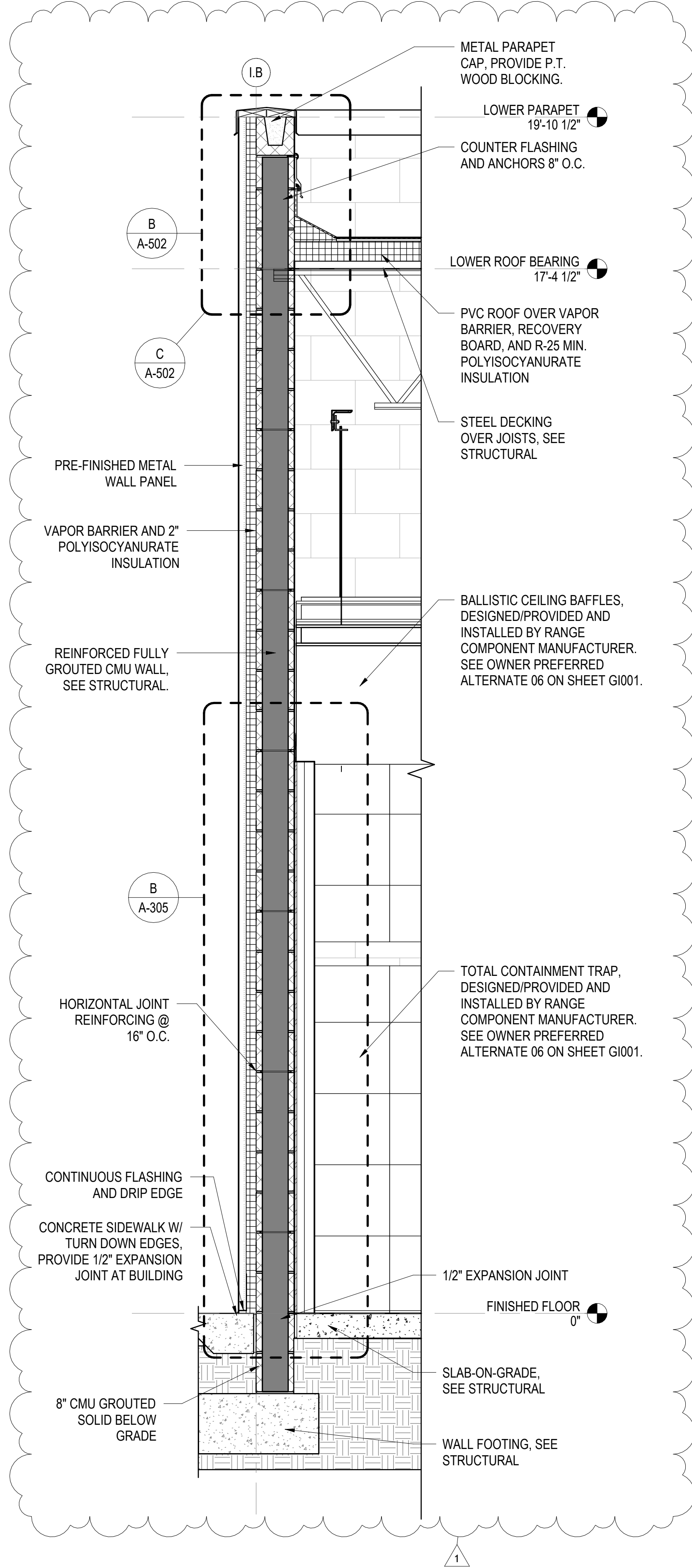
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INDOOR RANGE BUILDING SECTIONS

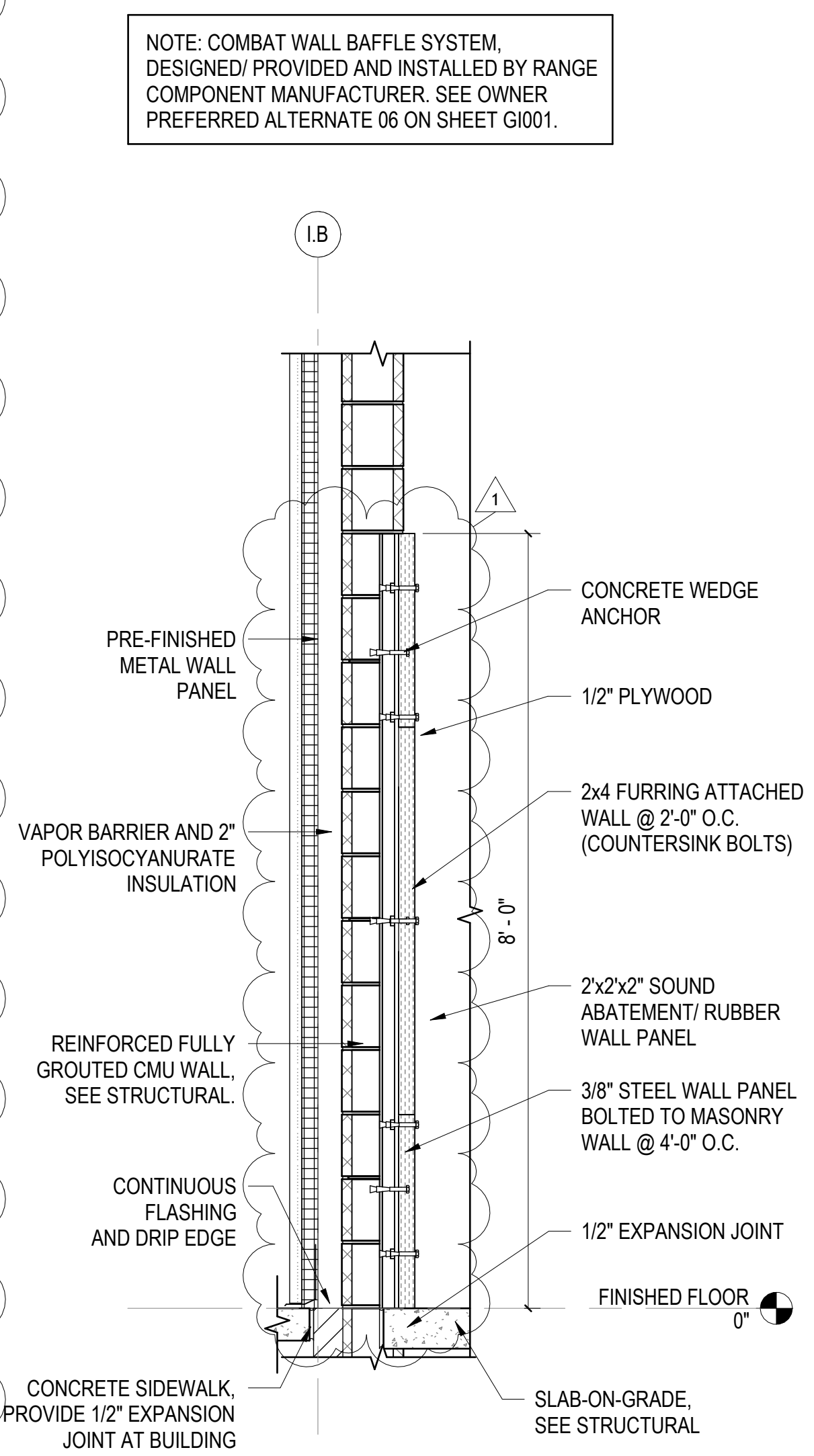
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104 Of 158

Drawing Number

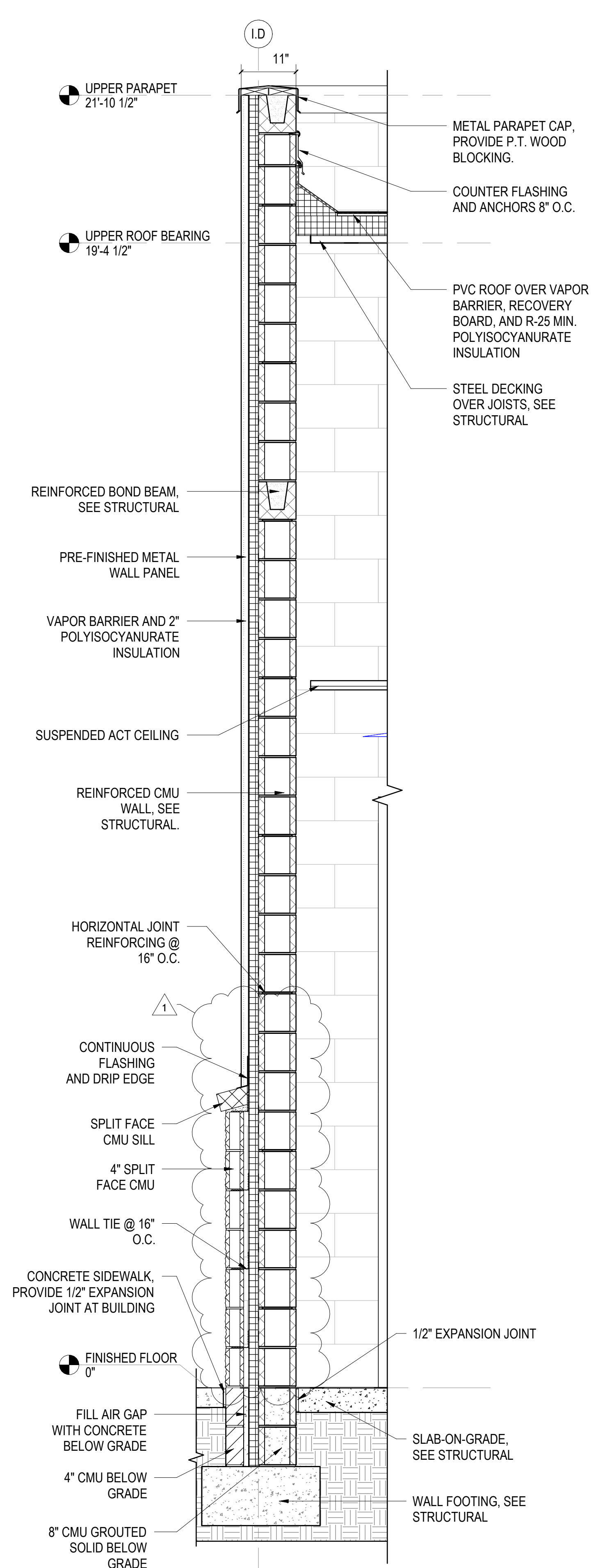
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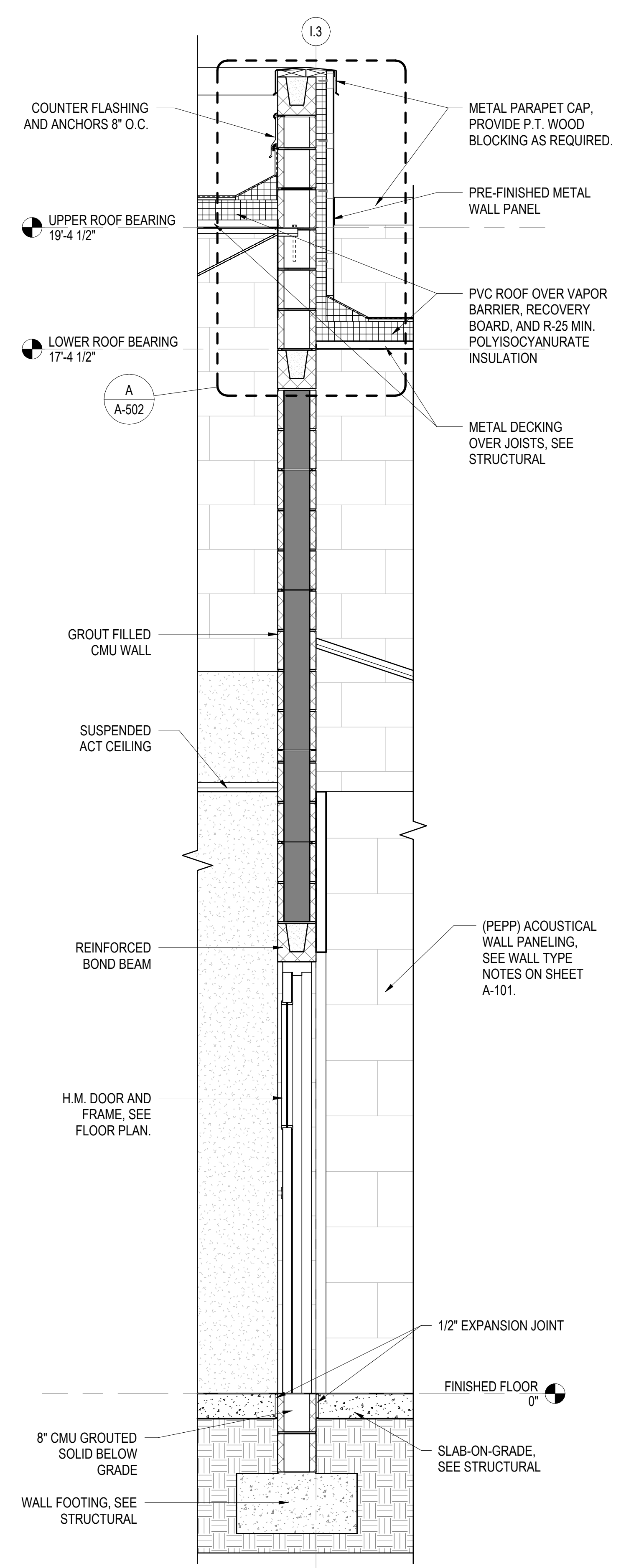
A WALL SECTION AT RANGE
SCALE: 3/4" = 1'-0" (A-301)



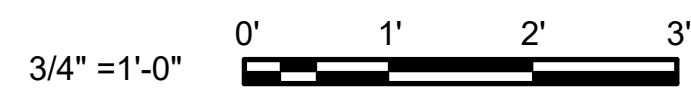
B WALL SECTION AT RANGE - WALL BAFFLES
SCALE: 3/4" = 1'-0" (A-305)



C WALL SECTION AT RANGE ENTRY
SCALE: 3/4" = 1'-0" (A-301)



D WALL SECTION AT RANGE INTERIOR WALL
SCALE: 3/4" = 1'-0" (A-301)



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

Christopher B. Walker
REGISTERED
SEAL
15616
07/28/25
ARCHITECT
NORTH CAROLINA

THE WALKER GROUP ARCHITECTURE, INCORPORATED
REGISTERED ARCHITECTURAL CORPORATION
CERT. NO. 51132
NORTH CAROLINA
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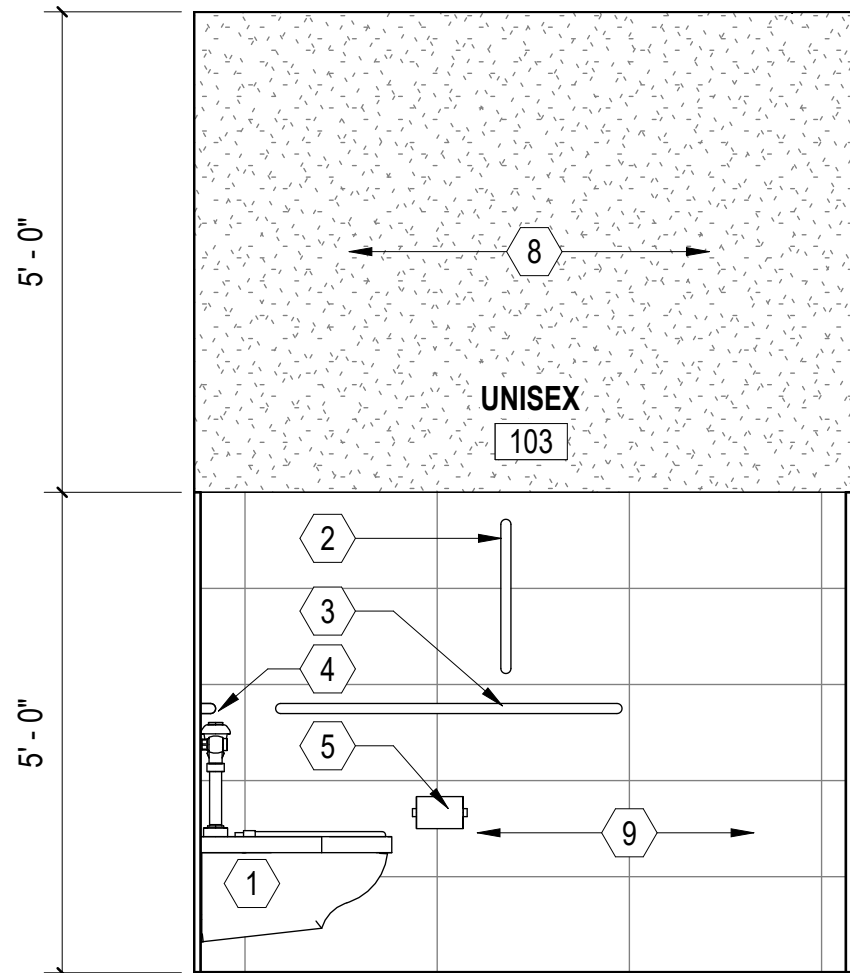
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**INDOOR RANGE
WALL SECTIONS**

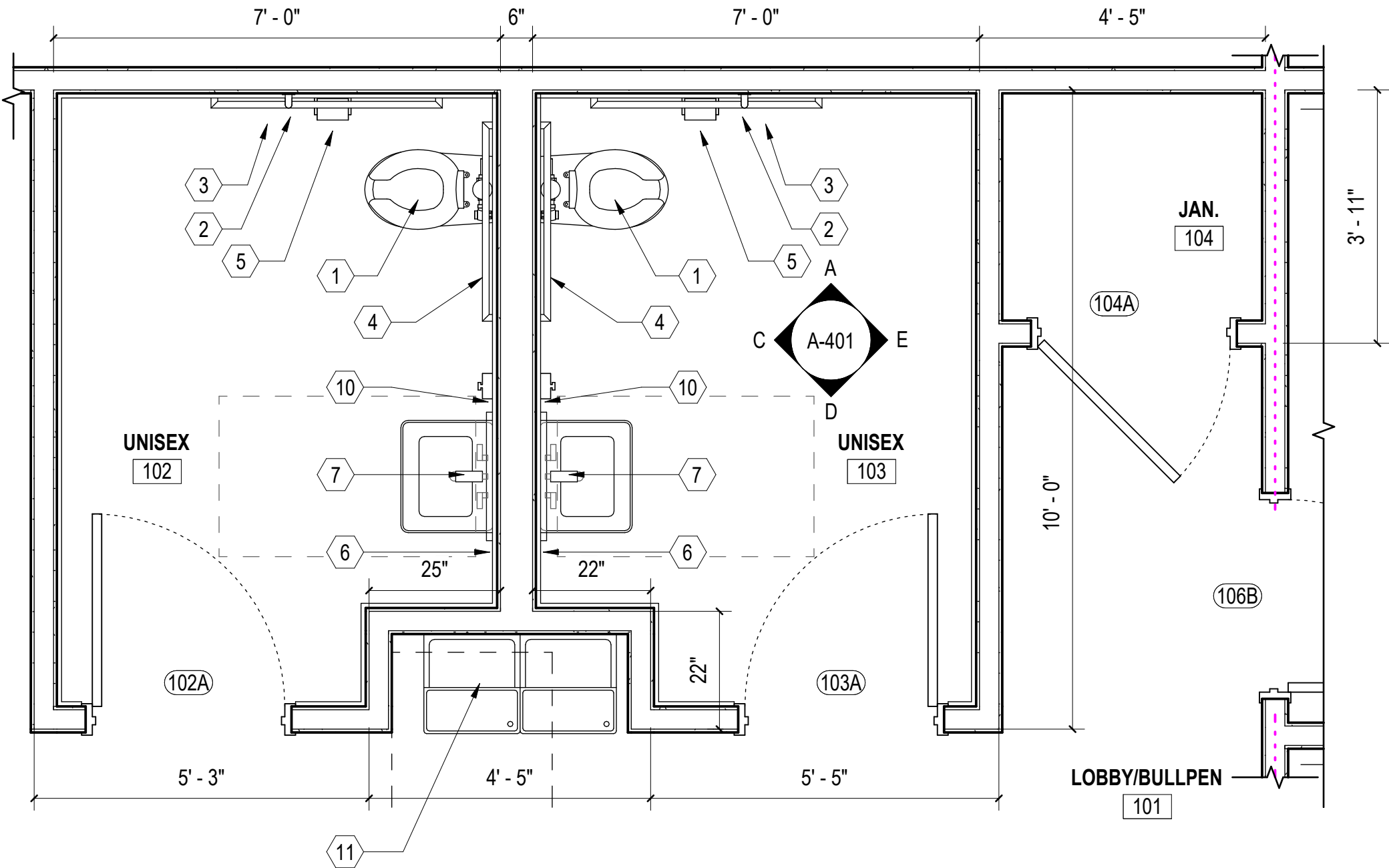
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Drawing Number

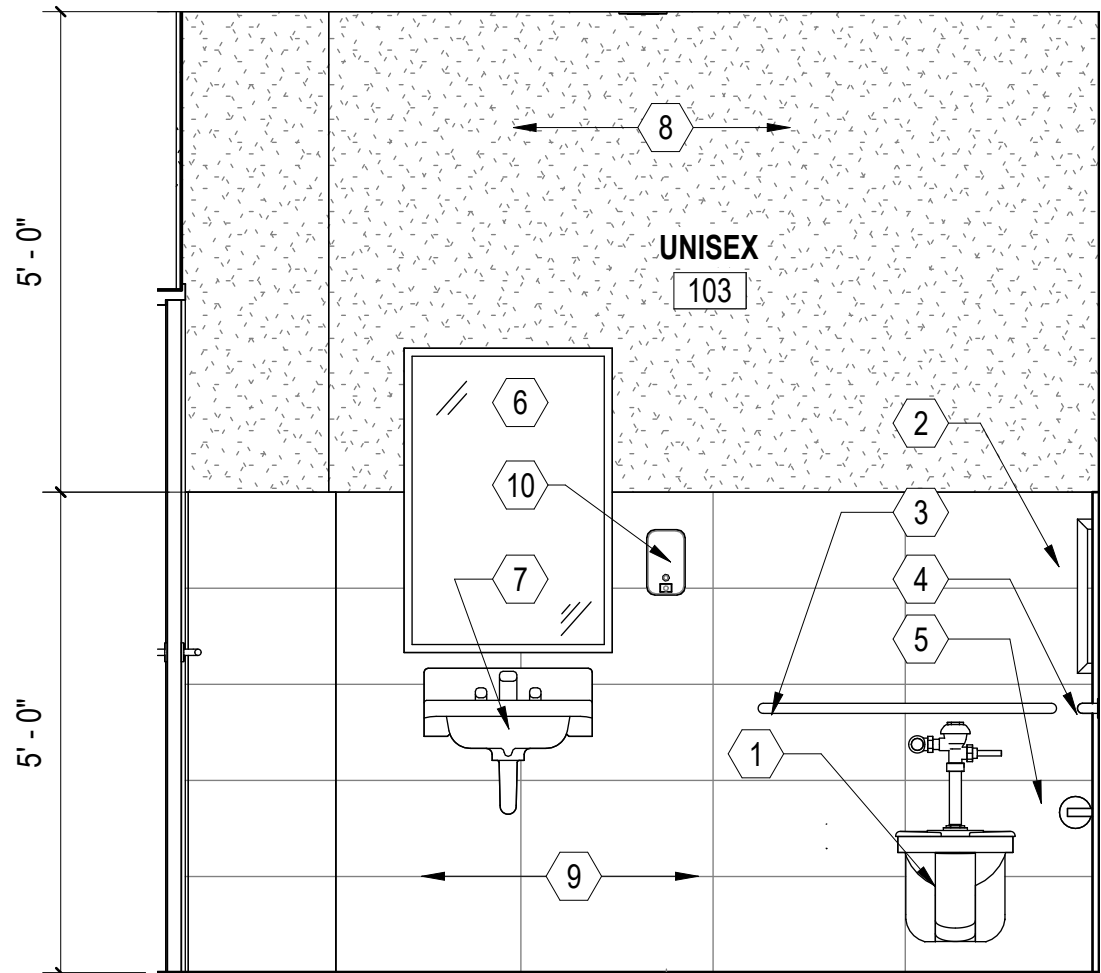
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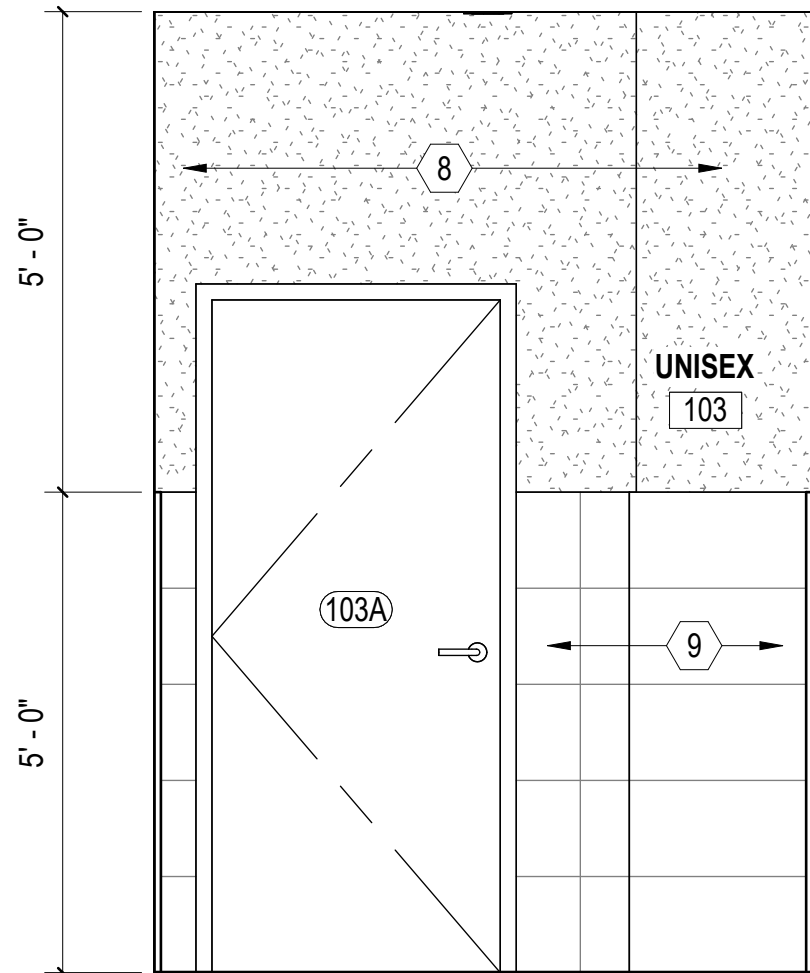
A INTERIOR ELEVATION 01
SCALE: 1/2" = 1'-0" (A-401)



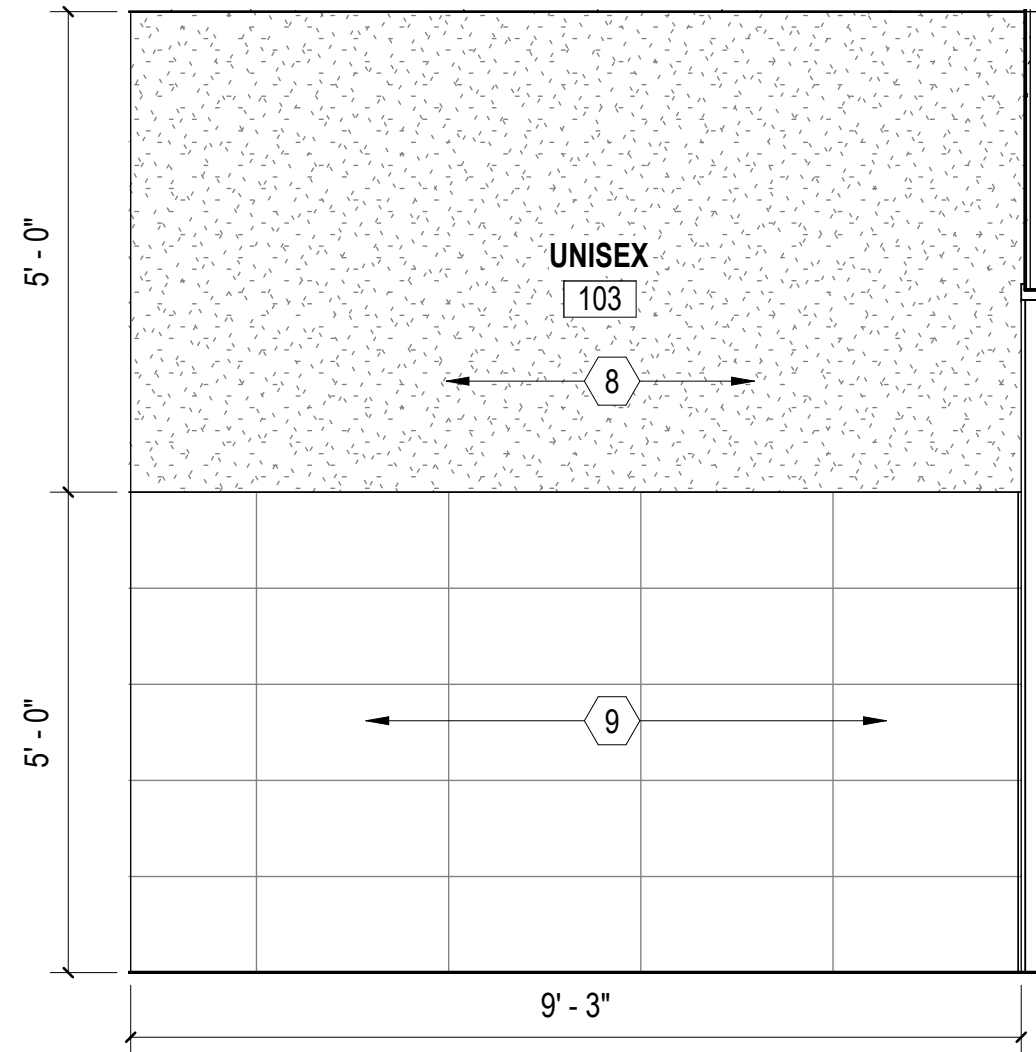
B ENLARGED FLOOR PLAN
SCALE: 1/2" = 1'-0" (A-101)



C INTERIOR ELEVATION 02
SCALE: 1/2" = 1'-0" (A-401)



D INTERIOR ELEVATION 03
SCALE: 1/2" = 1'-0" (A-401)



E INTERIOR ELEVATION 04
SCALE: 1/2" = 1'-0" (A-401)

GENERAL SHEET NOTES

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- SEE SCHEDULES FOR WALL TYPES, DOOR/FRAME/WINDOW TYPES AND SIZES, AND FLOOR/WALL/CEILING FINISHES.
- PROTECT EXISTING ITEMS TO REMAIN.

KEYNOTES

MARK	DESCRIPTION
1	WALL MOUNTED FLUSH VALVE ADA TOILET SEE B/A-003. SEE PLUMBING.
2	18" GRAB BAR. SEE DETAILS B&C/ A-003.
3	42" GRAB BAR. SEE DETAILS B&C/A-003.
4	36" GRAB BAR. SEE DETAILS B&C/A-003.
5	TOILET TISSUE DISPENSER. SEE DETAIL B/A-003.
6	24" x 36" MIRROR WITH STAINLESS STEEL FRAME. SEE DETAIL B/A-003.
7	WALL MOUNTED SINK WITH FAUCET. SEE DETAILS A&B/A-003. SEE PLUMBING.
8	PAINTED GYPSUM BOARD.
9	5' WALL TILE WAINSCOT WITH BULLNOSE TOP EDGE, SEE DETAIL H/A-503.
10	WALL MOUNTED SOAP DISPENSER. SEE DETAIL B/A-003.
11	HI-LOW WATER COOLER, SEE DETAIL D/A-003, SEE PLUMBING.

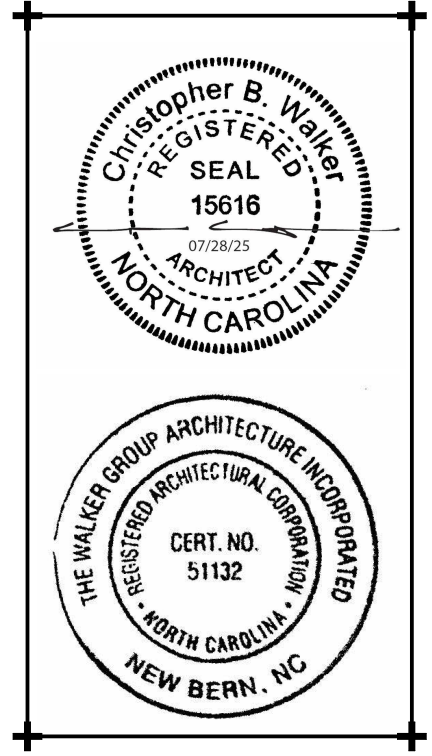
WALL TYPE NOTES:

1. STC-55 WALL ASSEMBLY; 3 5/8" STEEL STUDS 20 GA. 24" O.C., 3 1/2" GLASS FIBER INSULATION, 5/8" FIRE-SHIELD GYPSUM BOARD ON ONE SIDE AND 5/8" SOUNDBREAK XP GYPSUM BOARD ON THE OTHER.

GRAPHIC SCALE(S)

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

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



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No.	Date
1.	ADDENDUM 01 08.25.25

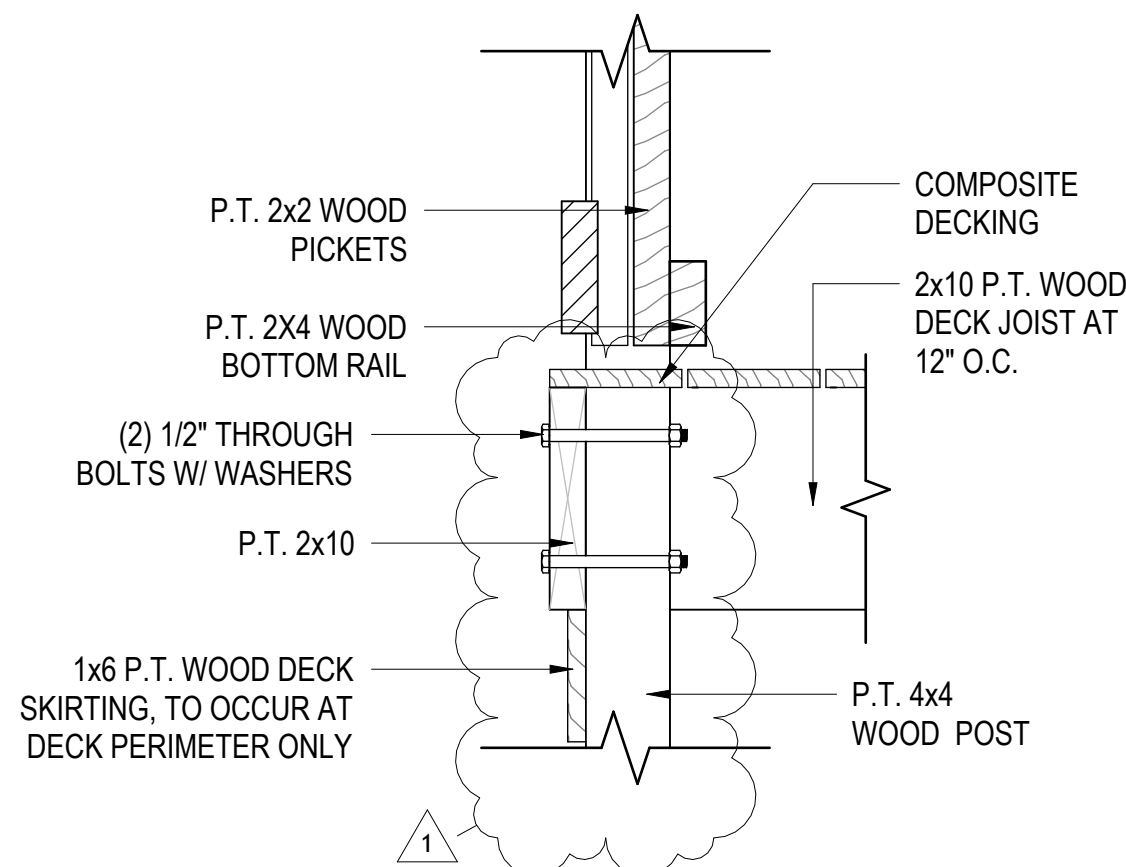
Project Number
2407.SAFE
Date
07/28/25
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Scale
AS NOTED
Drawing Title

INDOOR RANGE
ENLARGED PLAN &
INT. ELEVATIONS

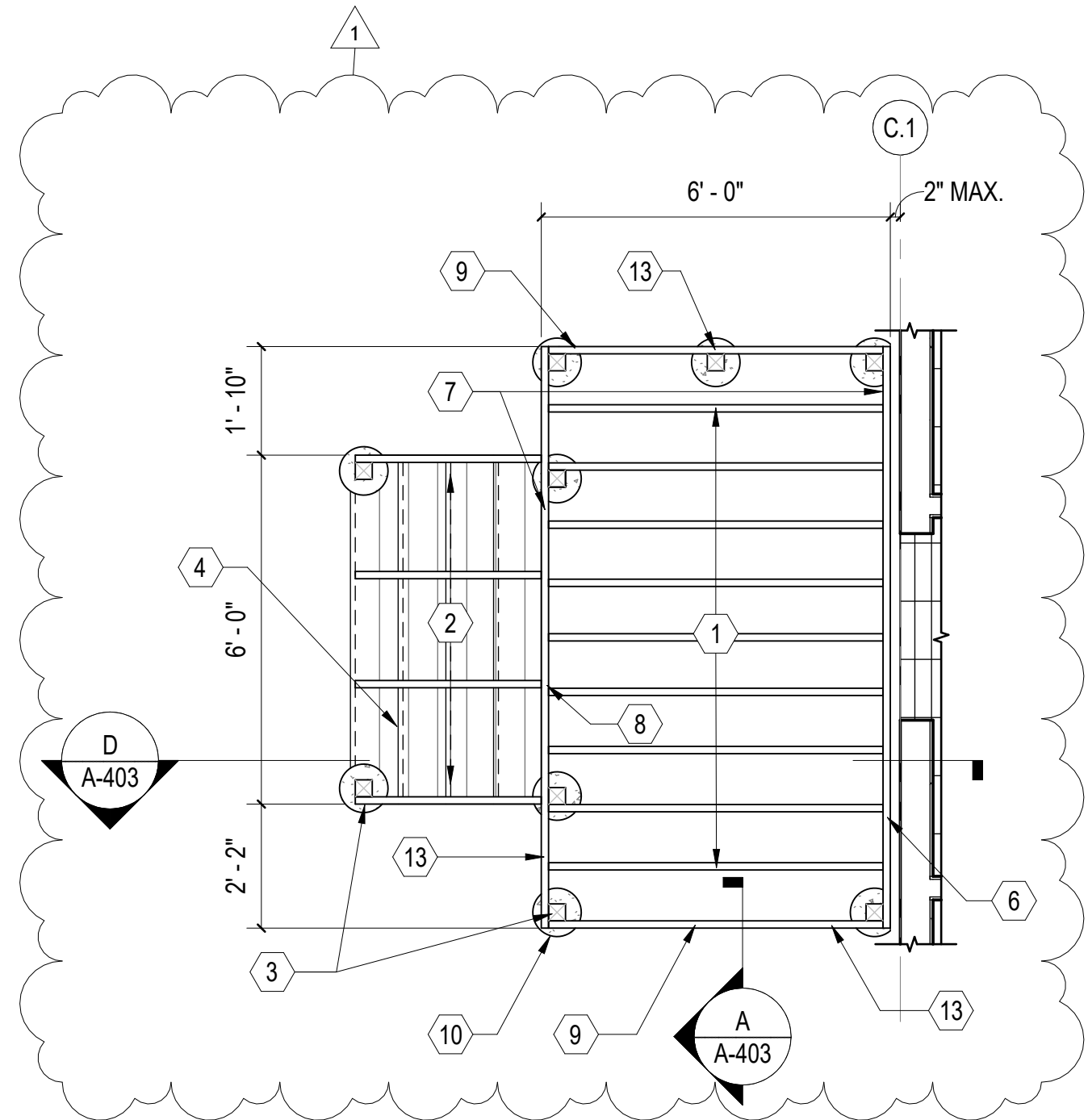
Sheet Number
109 Of 158

Drawing Number

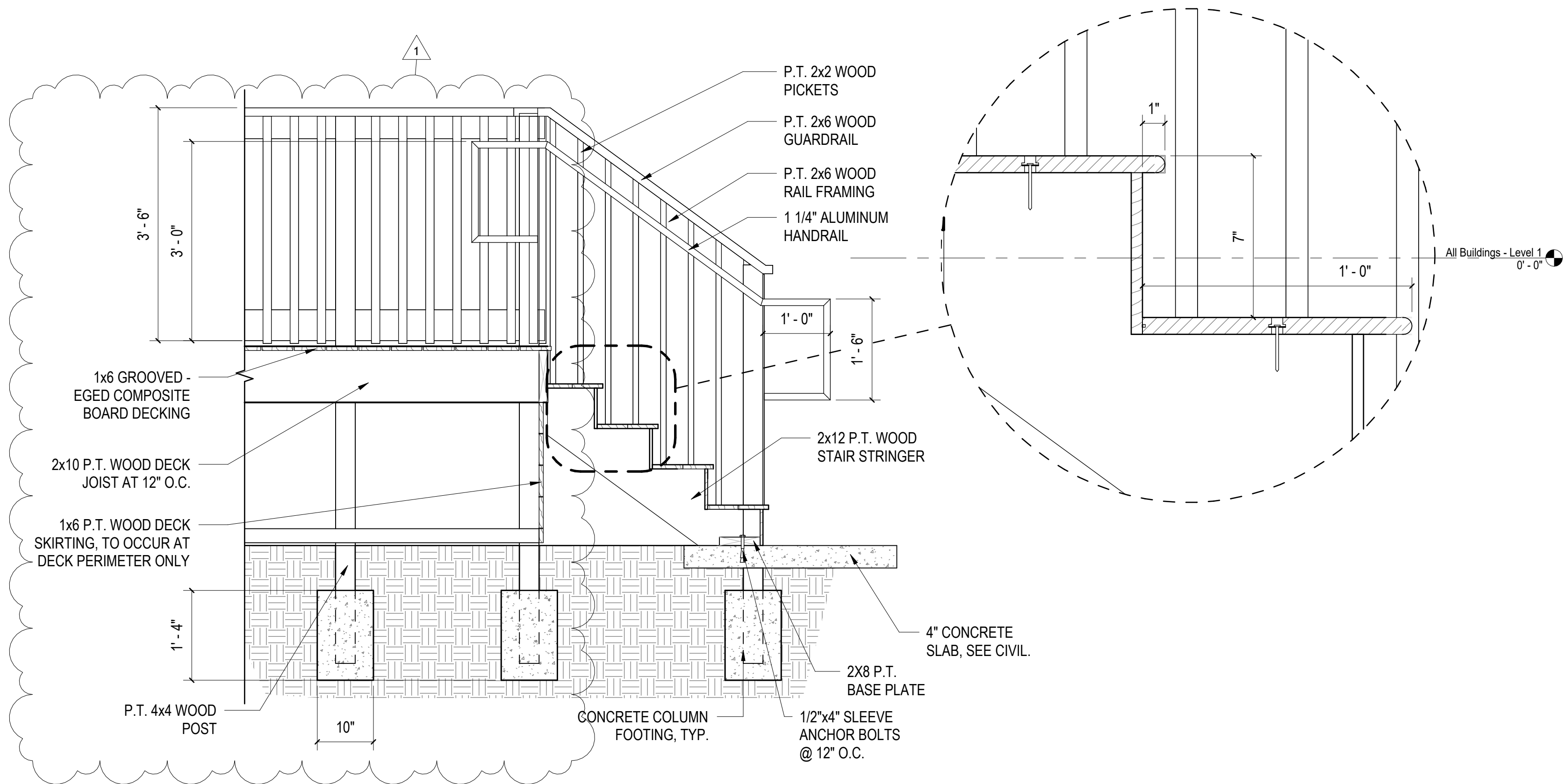
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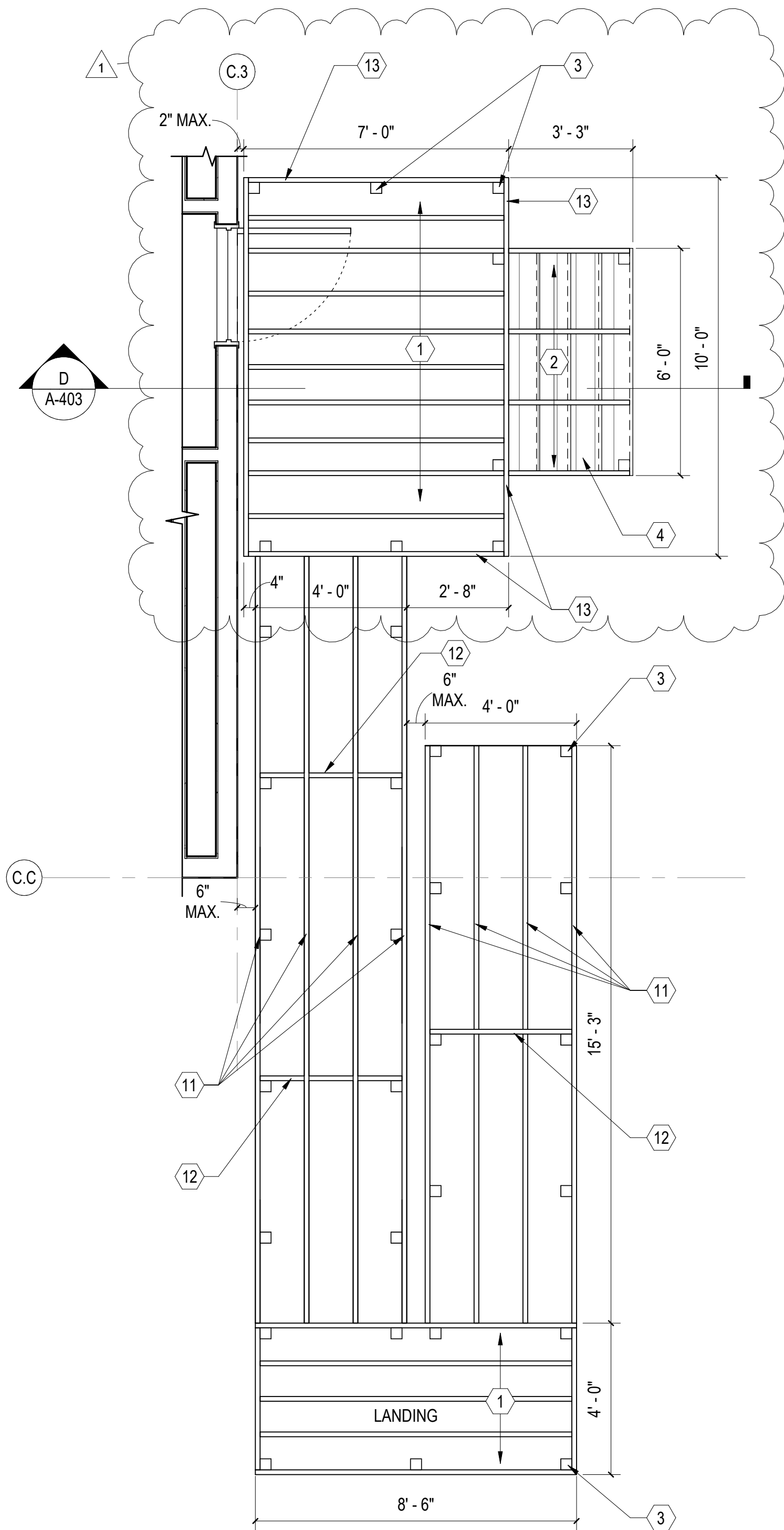
A **EDGE BEAM TO COLUMN SECTION**
SCALE: 1 1/2" = 1'-0" (A-403)



B **REAR DECK FRAMING PLAN**
SCALE: 3/8" = 1'-0" (A-105)



D **STAIR SECTION**
SCALE: 3/4" = 1'-0" (A-403)



C **STAIR AND RAMP FRAMING PLAN**
SCALE: 3/8" = 1'-0" (A-105)

GENERAL SHEET NOTES

1. SEE CIVIL, STRUCTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL NOTES.
2. SEE SCHEDULES FOR WALL TYPES, DOOR/FRAME/WINDOW TYPES AND SIZES, AND FLOOR/WALL/CEILING FINISHES.
3. PROTECT EXISTING ITEMS TO REMAIN.

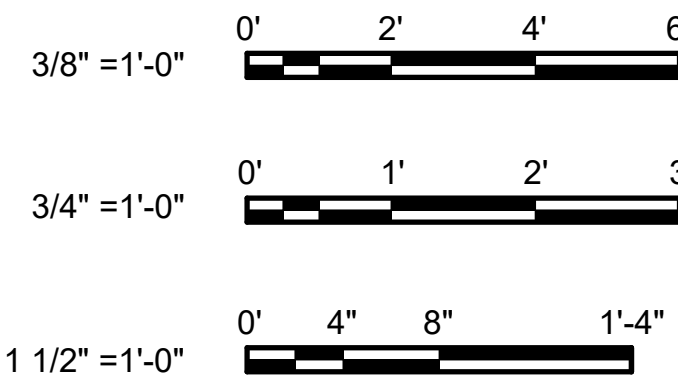
NEW WORK KEYNOTES

MARK	DESCRIPTION
1	P.T. 2x10 WOOD JOIST @ 12" O.C. TYPICAL.
2	P.T. 2x12 STAIR STRINGERS.
3	P.T. 4x4 WOOD RAILING POST. TYPICAL AT ALL EXTERIOR RAILING LOCATIONS.
4	PRESSURE TREATED WOOD FRAMED STAIRS WITH COMPOSITE DECKING. DECK CONSTRUCTION BASED ON 100 PSF LIVE LOAD MINIMUM. SEE DETAIL B/A-301.
6	P.T. 2x10 WOOD LEDGER. BOLTED TO RIM BAND WITH 1/2" ANCHOR BOLTS AT 12" O.C..
7	FACE-MOUNTED JOIST HANGERS W/ SDS SCREWS. TYPICAL AT ALL JOIST.
8	P.T. 2x10 WOOD RIM JOIST/BEAM. SEE DETAIL C/A-104.
9	P.T. 2x10 WOOD OUTER JOIST. SEE DETAIL C/A-104.
10	3000 PSI CONCRETE COLUMN FOOTING. SEE DETAIL B/A-301 FOR MORE INFORMATION. TYPICAL.
11	P.T. 2x10 WOOD RAMP STRINGERS. RAMP CONSTRUCTION BASED ON 100 PSF LIVE LOAD MINIMUM.
12	P.T. 2x10 RAMP LEDGER. STRINGERS TO BE ATTACHED WITH FACE-MOUNTED JOIST HANGERS W/ SDS SCREWS.
13	1x6 P.T. WOOD DECK SKIRTING, SKIRTING TO OCCUR AT LANDINGS ONLY. SEE DETAILS A&D/A-403.

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

NOTE: WORK RELATED TO MODULAR
CLASSROOM AND STAIRS/RAMPS IS
CONSIDERED BID ALTERNATE 02, SEE
SHEET G1001.

GRAPHIC SCALE(S)



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**525 Executive Pkwy
New Bern, NC 28562**

**Bid Documents
SCO # 24-27879-01A**

Revisions	
No.	Date
1.	01.08.25
ADDENDUM	01.08.25

Project Number
2407.SAFE
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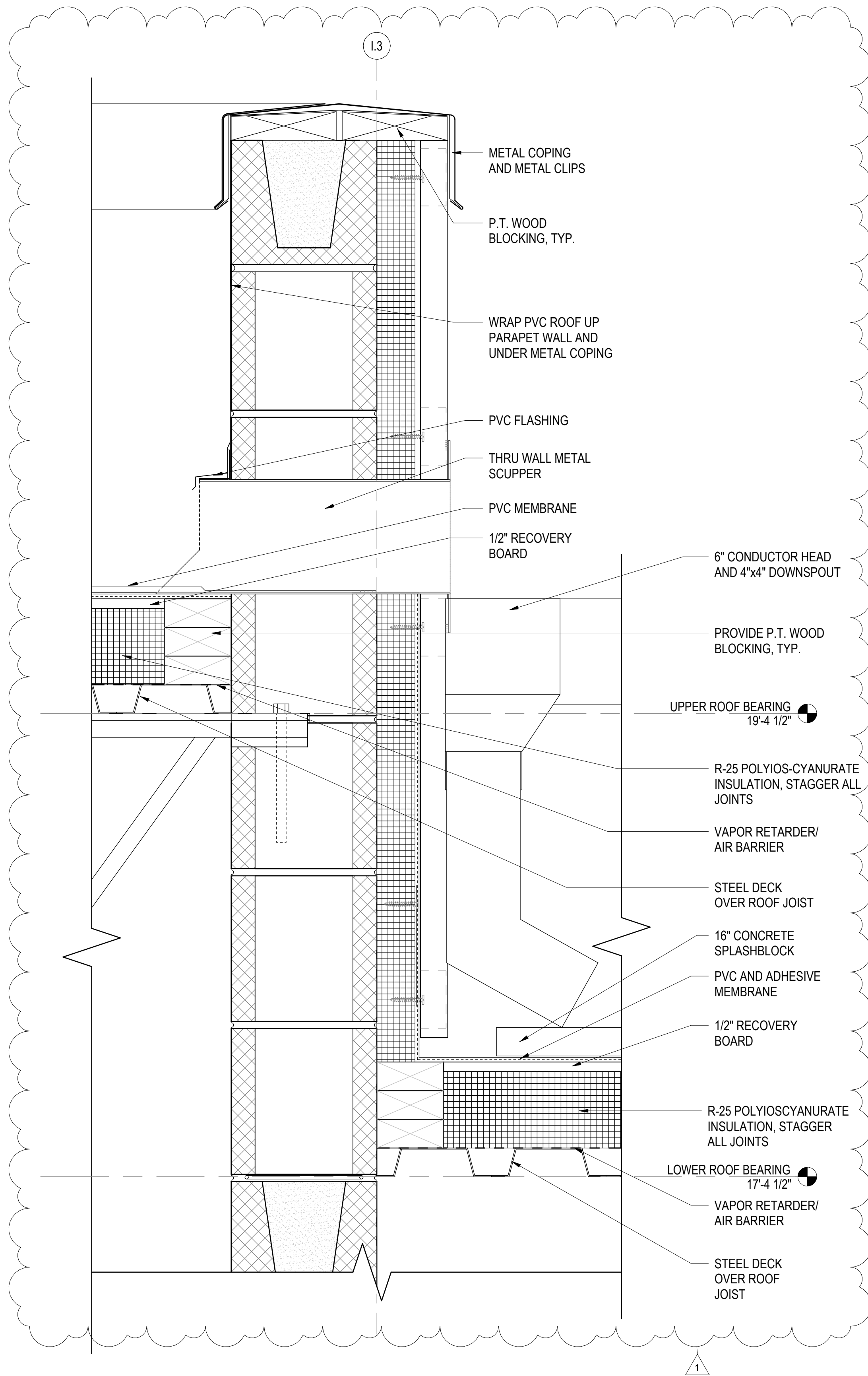
Date
07/28/25
Checked
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**ENLARGED DECK &
RAMP FRAMING
PLAN**

Sheet Number
111 Of 158

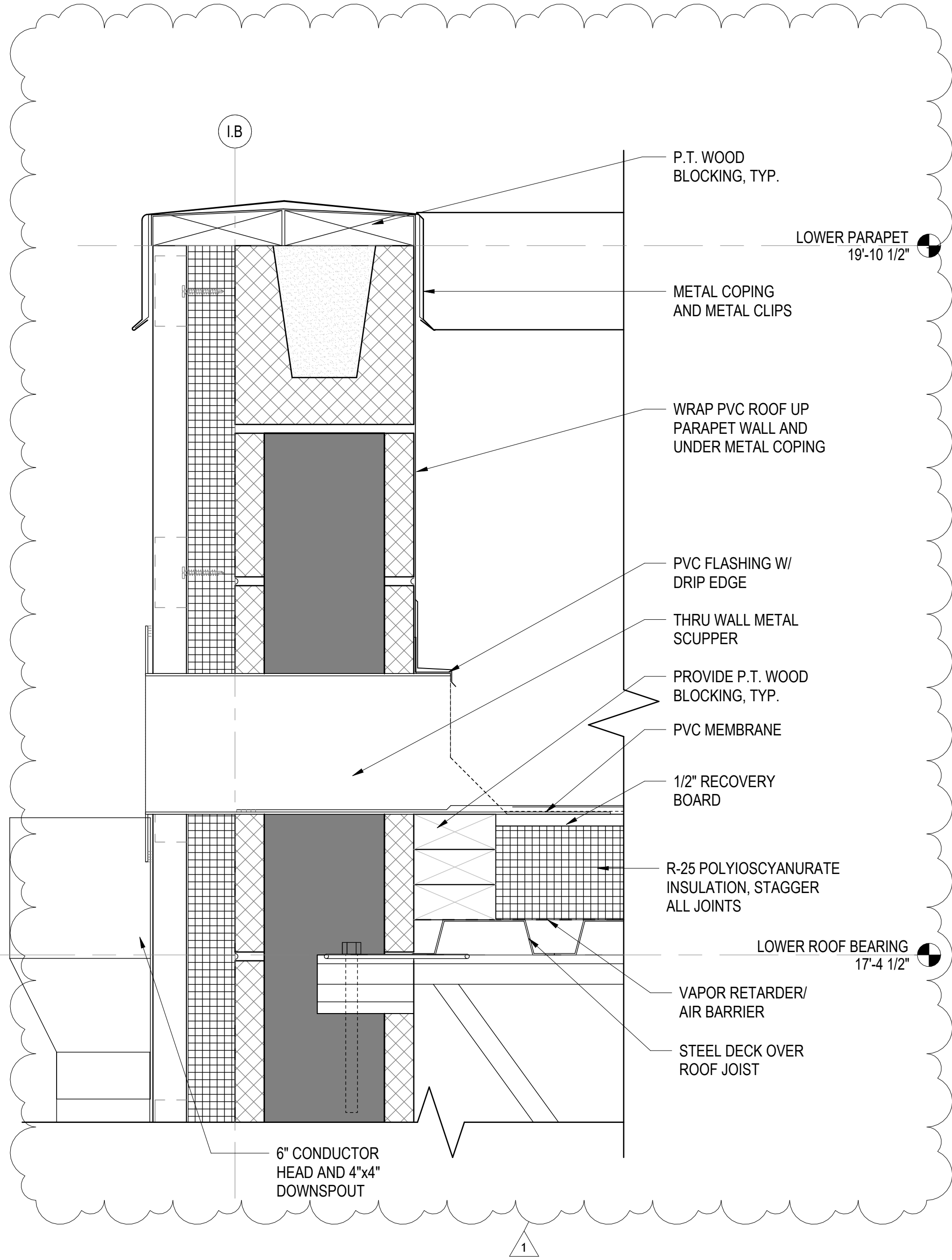
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A-403



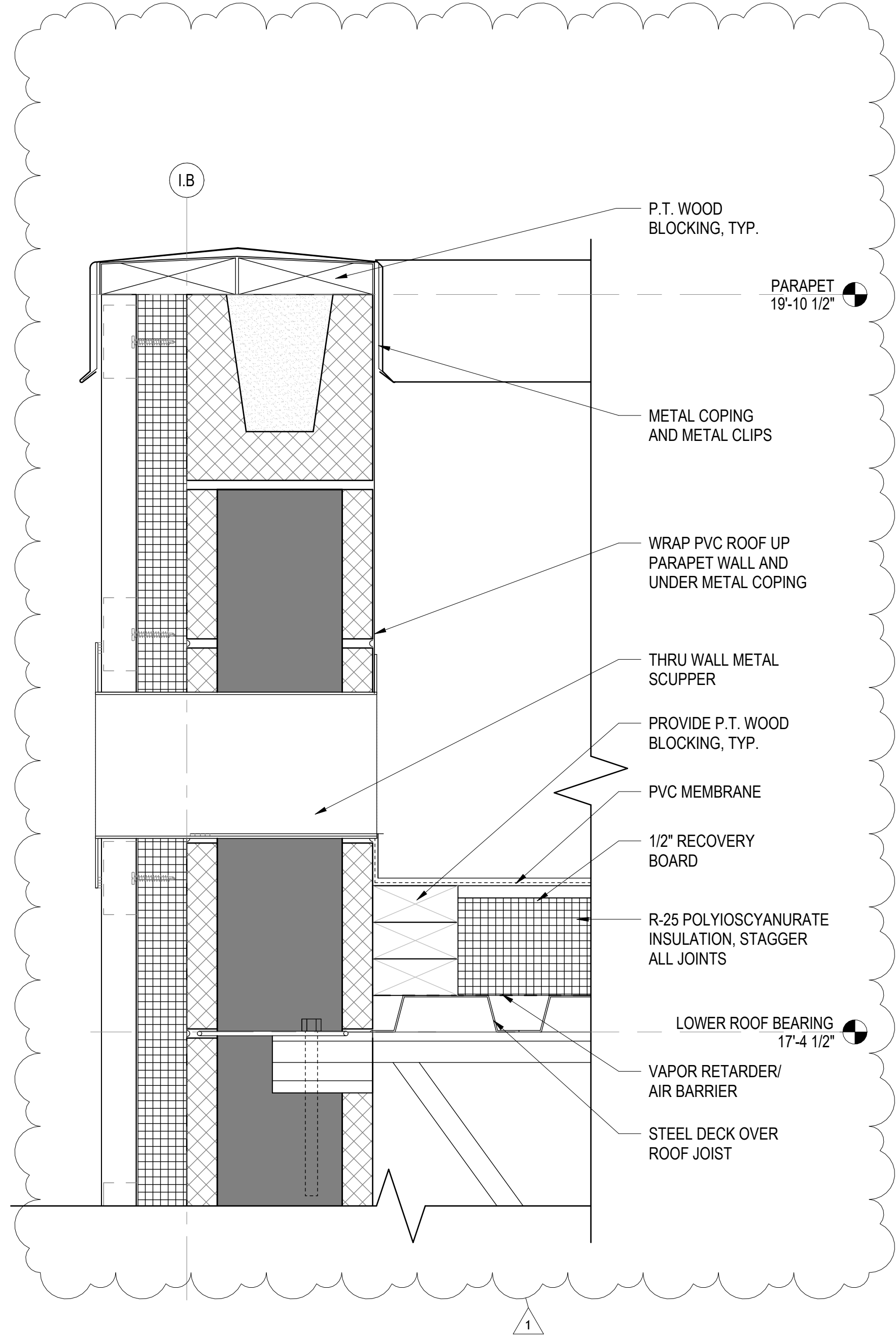
**WALL SCUPPER DETAIL @
INTERIOR ROOF WALL**

SCALE: 3" = 1'-0" (A-305)



**WALL SCUPPER DETAIL @
LOWER RANGE ROOF**

SCALE: 3" = 1'-0" (A-305)



**TYPICAL OVERFLOW WALL
SCUPPER DETAIL**

SCALE: 3" = 1'-0" (A-305)

3" = 1'-0" 0' 3" 6" 9"

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**Bid Documents
SCO # 24-27879-01A**

No.	Date	Revisions
1.		
APPENDIX 01.08.25.25		

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AS NOTED

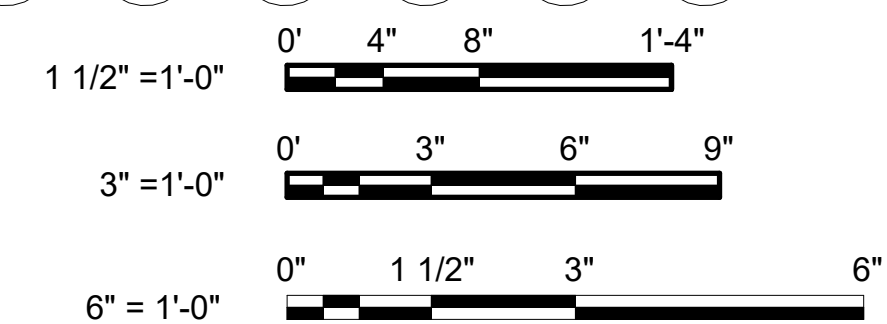
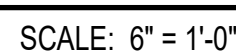
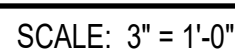
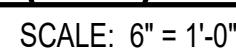
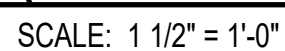
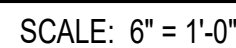
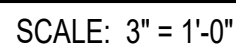
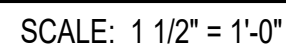
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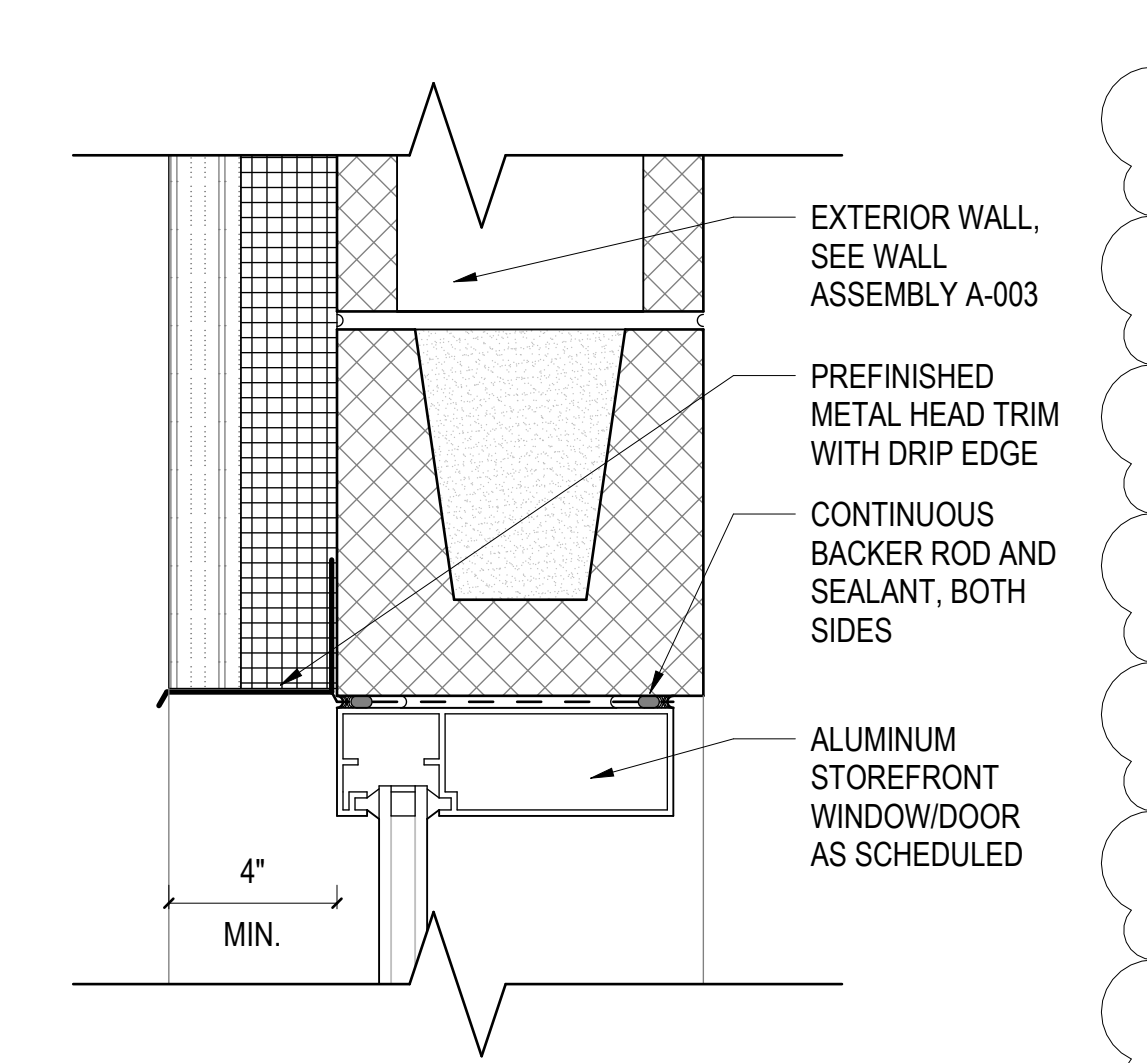
ROOF DETAILS

Sheet Number
113 Of 158

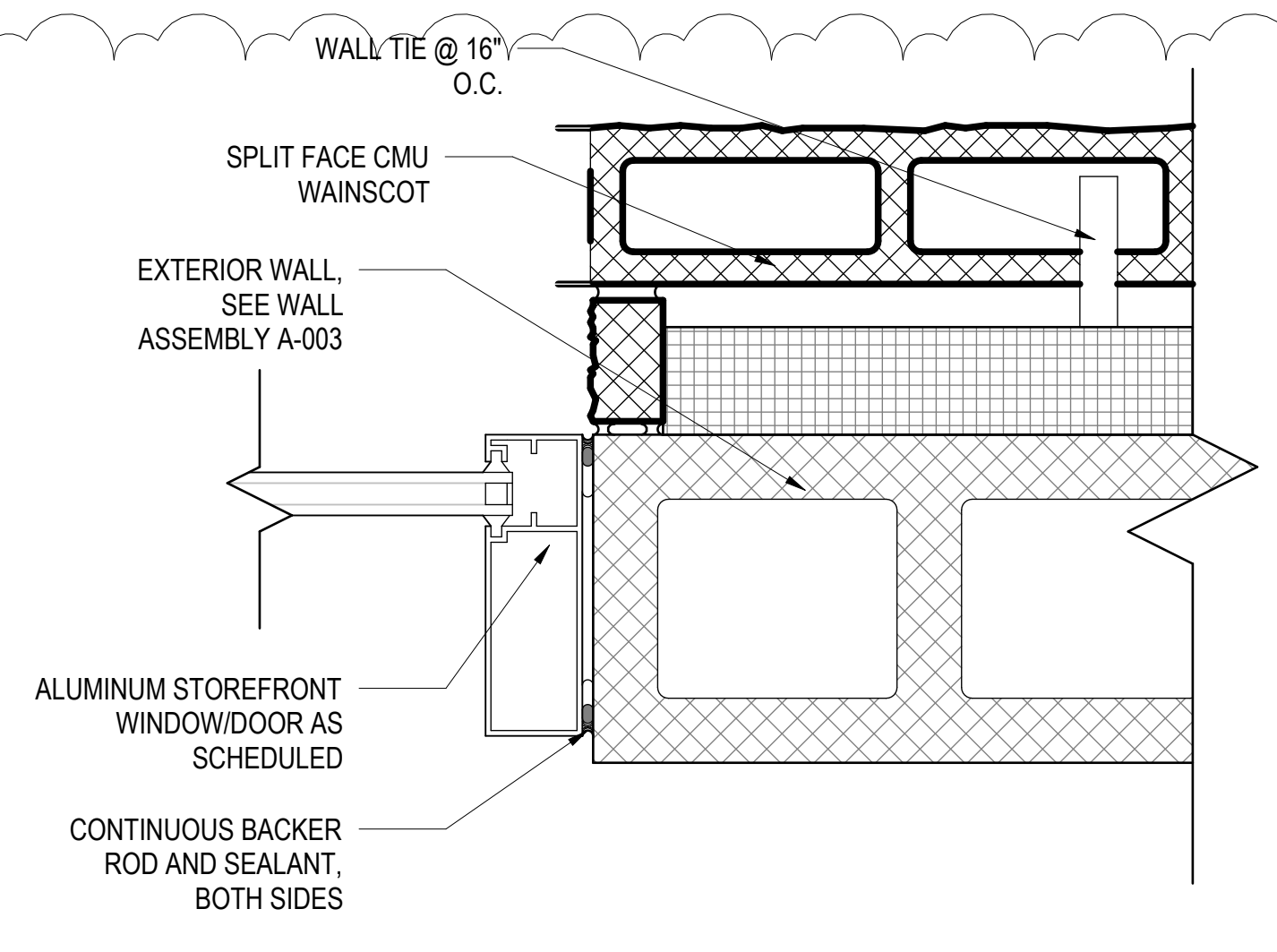
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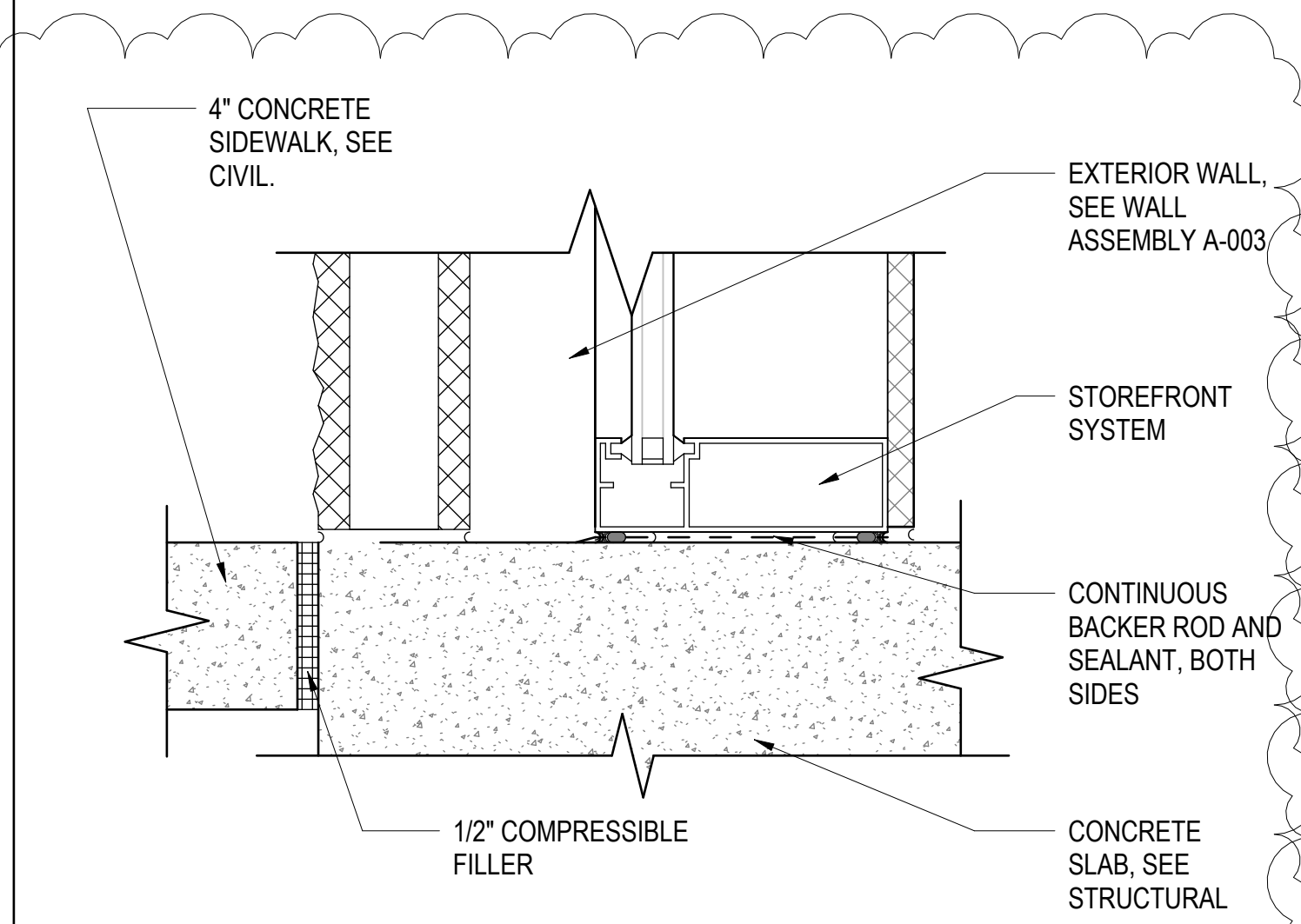




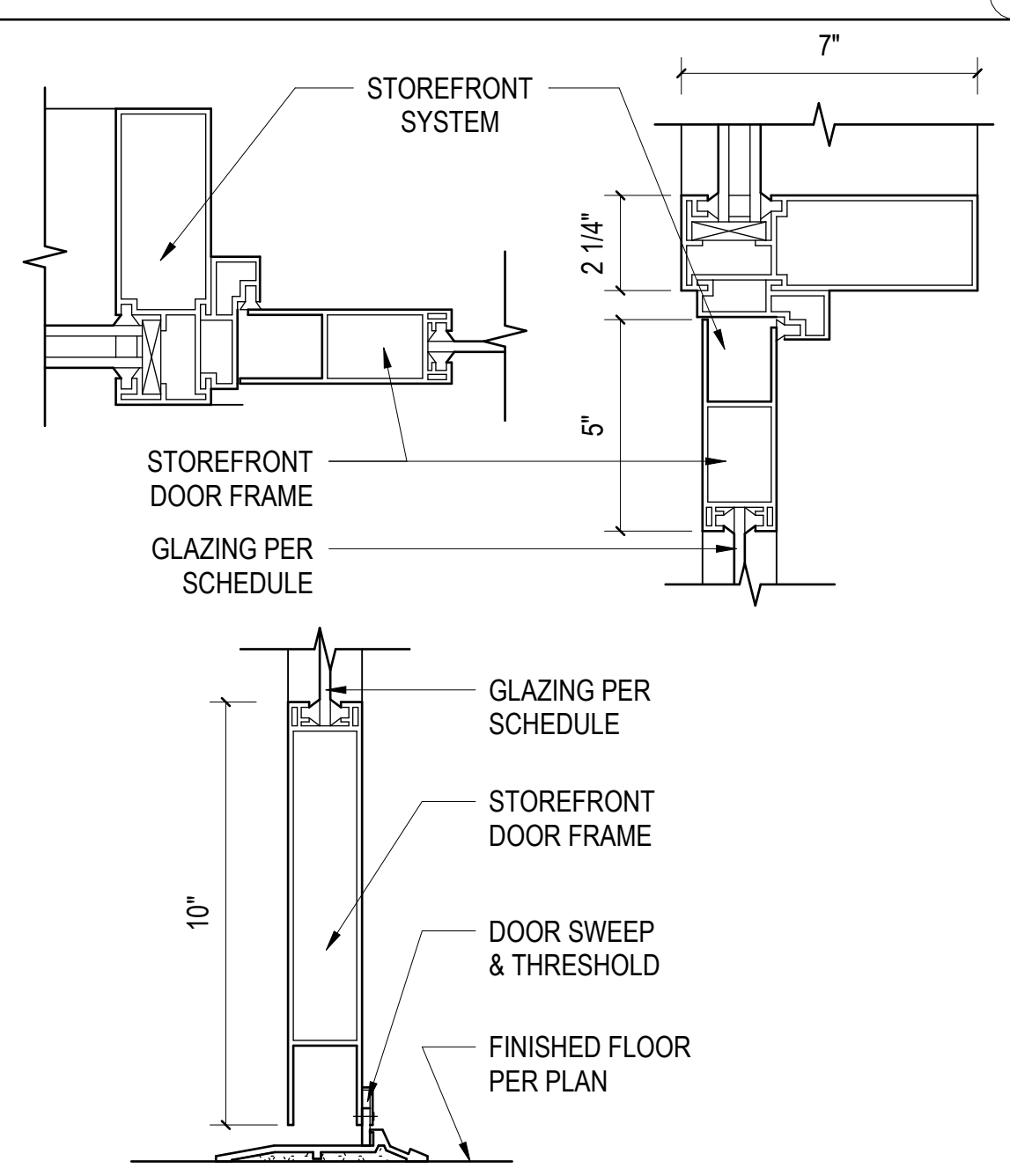
A **STOREFRONT HEAD DETAIL @ METAL PANEL AND CMU WALL**
SCALE: 3" = 1'-0"



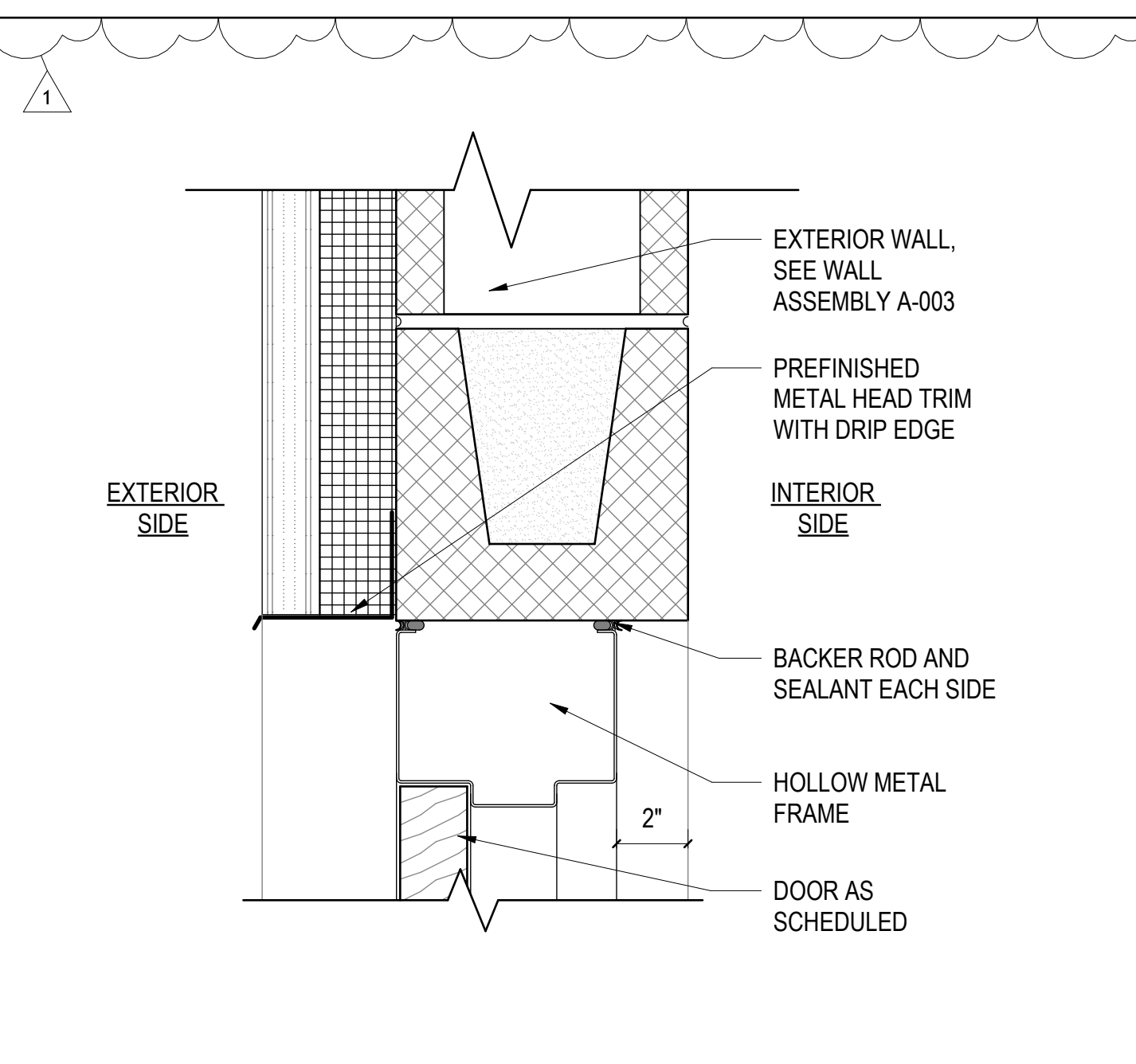
B **STOREFRONT JAMB DETAIL @ METAL PANEL AND CMU WALL**
SCALE: 3" = 1'-0"



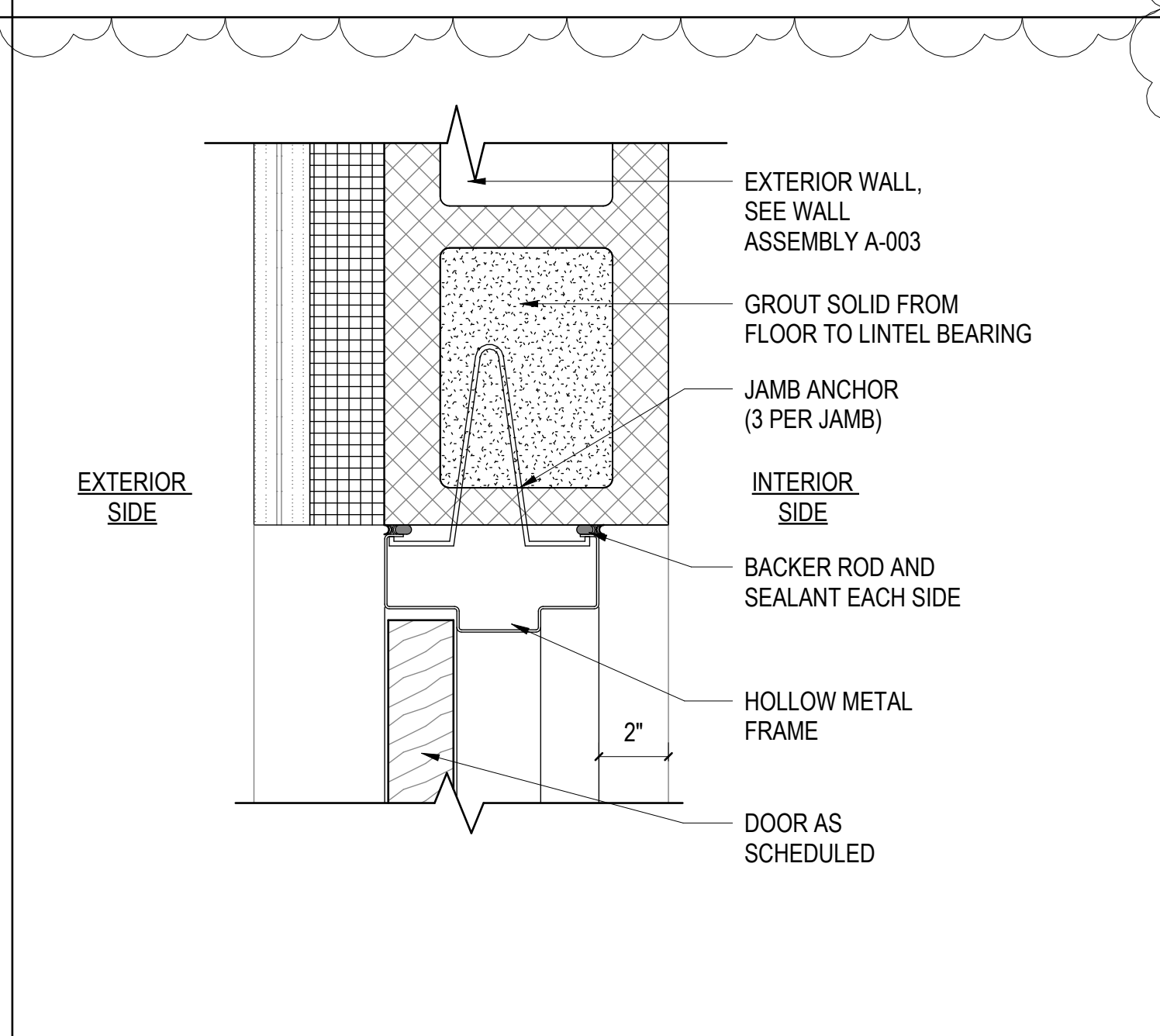
C **STOREFRONT SILL DETAIL @ METAL PANEL AND CMU WALL**
SCALE: 3" = 1'-0"



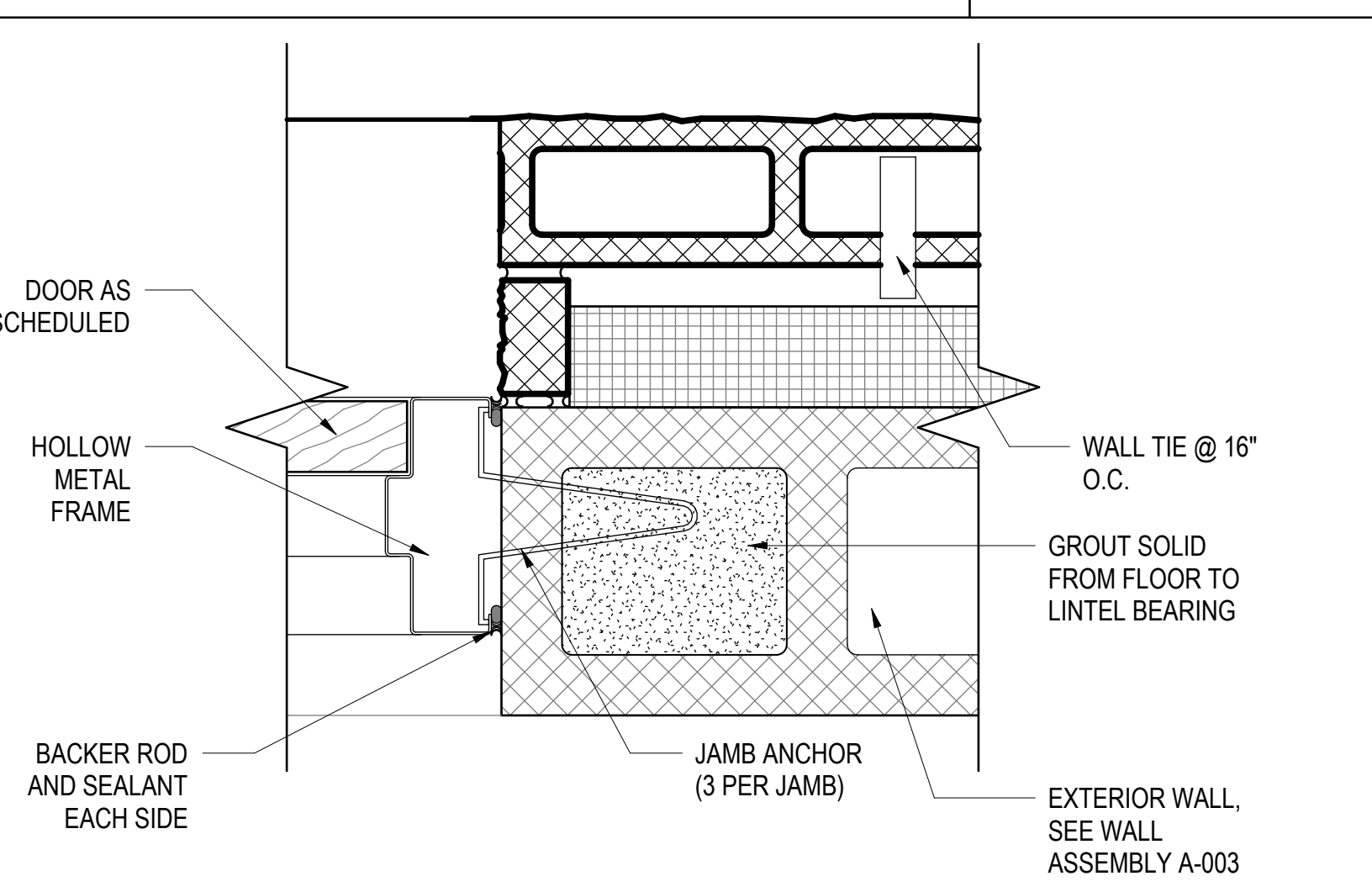
D **(S9) STOREFRONT DOOR DETAIL**
SCALE: 3" = 1'-0"



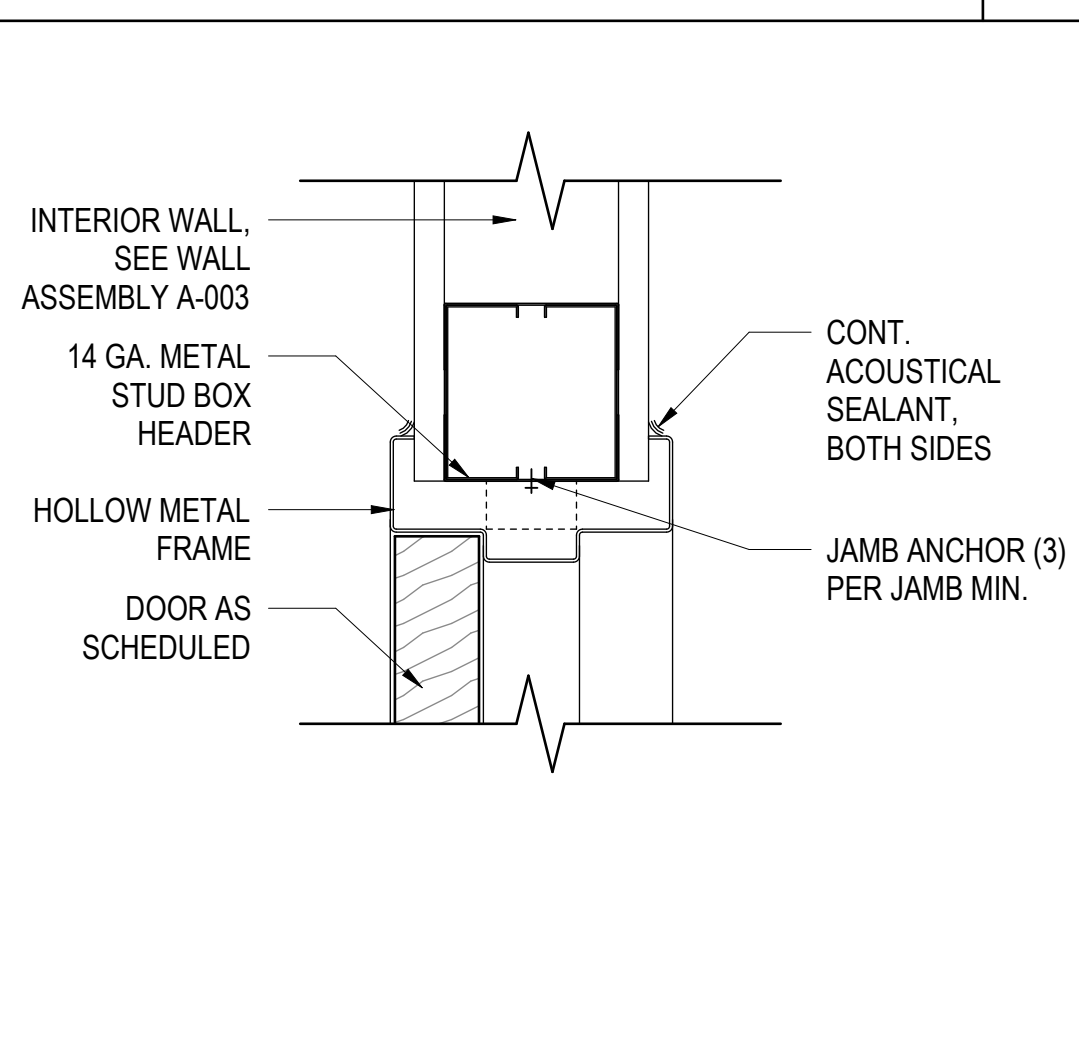
E **H.M. DOOR HEAD DETAIL @ METAL PANEL AND CMU WALL**
SCALE: 3" = 1'-0"



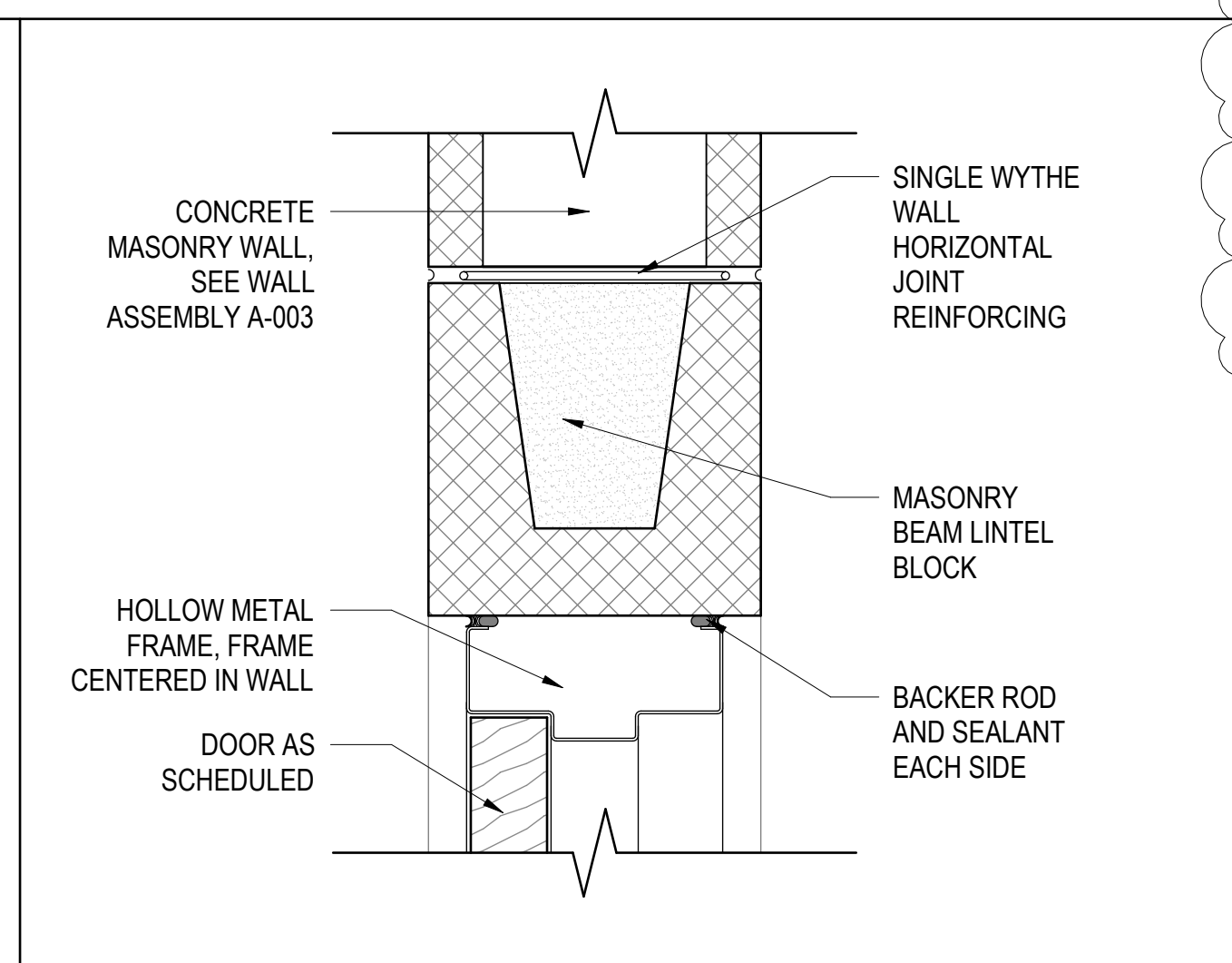
F **H.M. DOOR JAMB DETAIL @ METAL PANEL AND CMU WALL**
SCALE: 3" = 1'-0"



G **H.M. DOOR JAMB DETAIL @ SPLIT FACE AND CMU WALL**
SCALE: 3" = 1'-0"



H **INT. H.M. DOOR HEAD/JAMB DETAIL @ METAL STUD WALL**
SCALE: 3" = 1'-0"

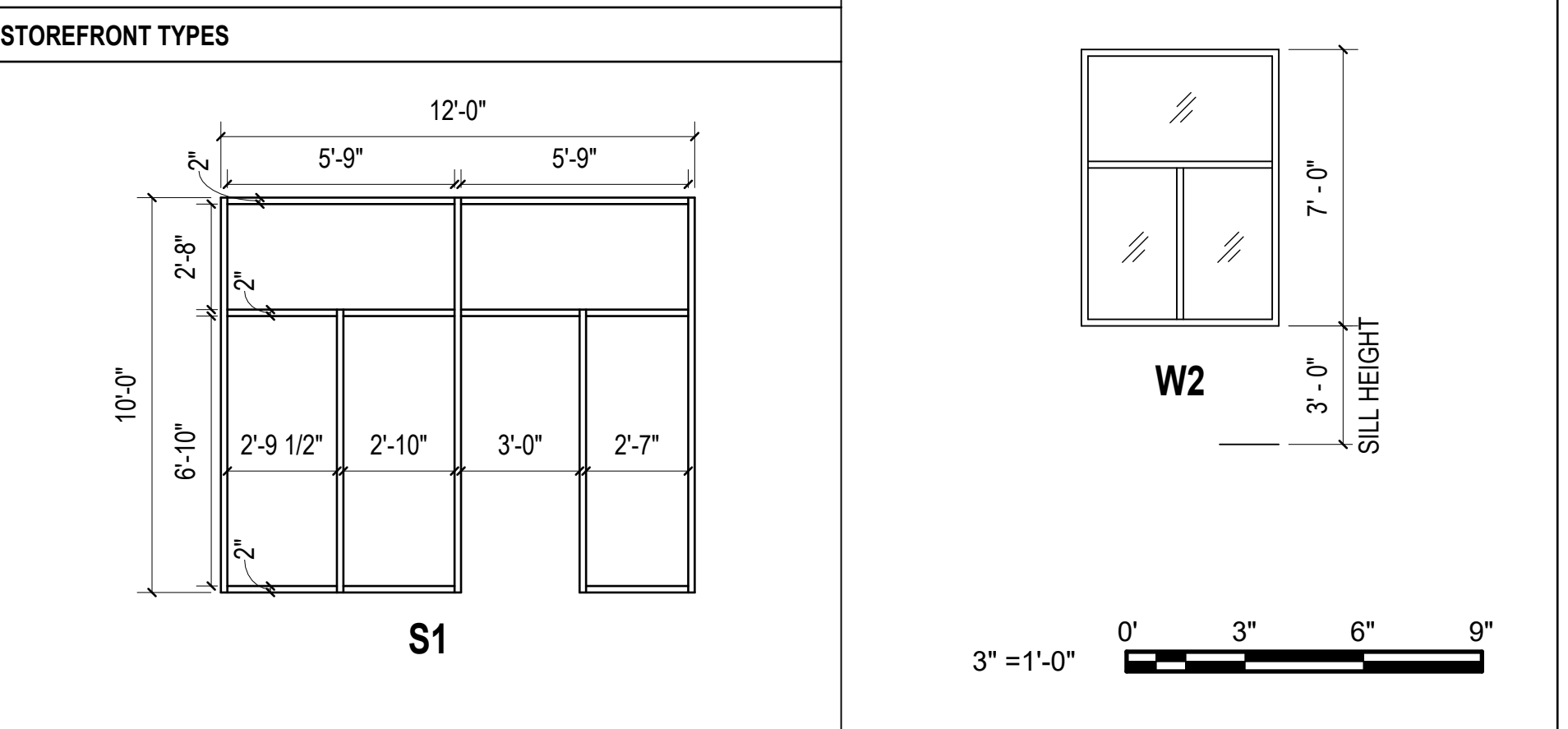
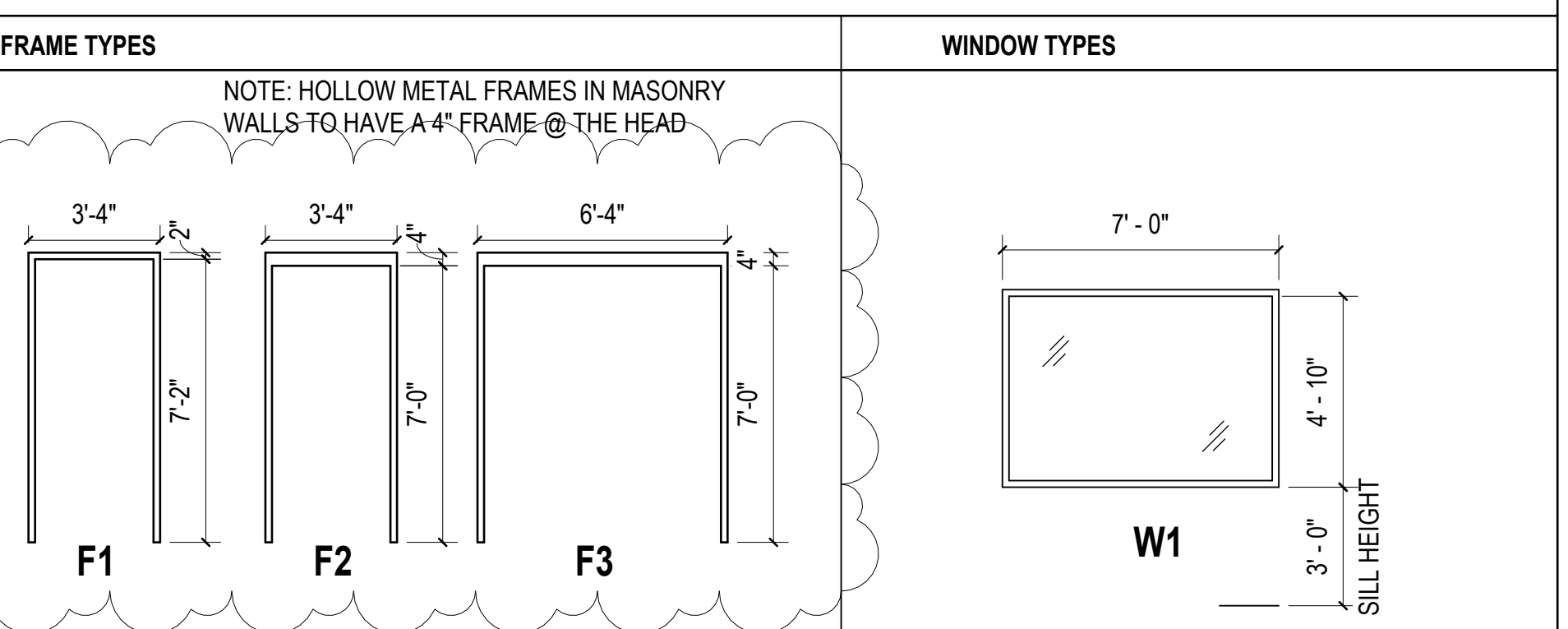
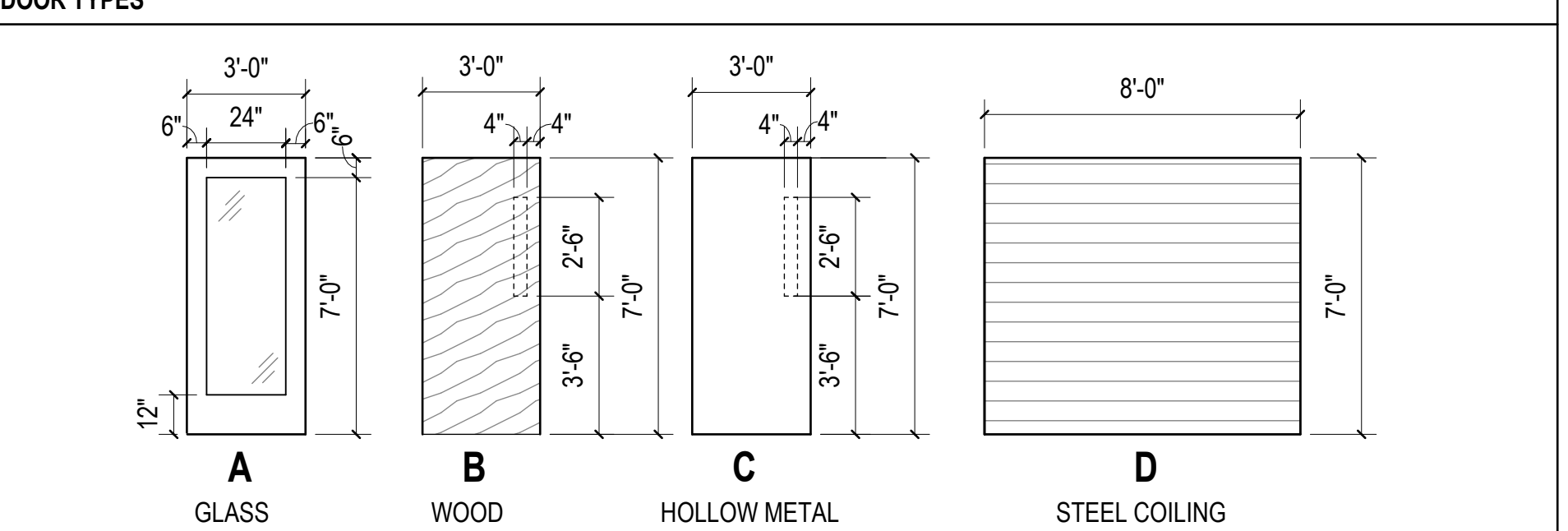


I **INT. H.M. DOOR HEAD DETAIL @ CMU WALL**
SCALE: 3" = 1'-0"

DOOR SCHEDULE										
DOOR NO.	TYPE	DOOR			FRAME		DETAILS		HARDWARE SET NO.	REMARKS
		SIZE		MATERIAL	TYPE	MATERIAL	HEAD	JAMB		
		WIDTH	HEIGHT							
RANGE										
101A	A	3'-0"	7'-0"	GLASS	S1	ALUM	D/A-601	D/A-601	1	
102A	B	3'-0"	7'-0"	WOOD	F1	H.M.	H/A-601	H/A-601	3	
103A	B	3'-0"	7'-0"	WOOD	F1	H.M.	H/A-601	H/A-601	3	
104A	B	3'-0"	7'-0"	WOOD	F1	H.M.	H/A-601	H/A-601	4	
105A	C	3'-0"	7'-0"	H.M.	F2	H.M.	I/A-601	A/A-602	4	
106A	C	3'-0"	7'-0"	H.M.	F2	H.M.	I/A-601	A/A-602	2	
106B	B	3'-0"	7'-0"	WOOD	F1	H.M.	H/A-601	H/A-601	2	4" X 30" VISION PANEL, STC 55 MIN.
107A	C	3'-0"	7'-0"	H.M.	F2	H.M.	I/A-601	A/A-602	4	
108A	C	6'-0"	7'-0"	H.M.	F3	H.M.	E/A-601	G/A-601	5	
109A	C	3'-0"	7'-0"	WOOD	F1	H.M.	H/A-601	H/A-601	4	4" X 30" VISION PANEL
110A	C	6'-0"	7'-0"	H.M.	F3	H.M.	E/A-601	F/A-601	5	
110B	C	3'-0"	7'-0"	H.M.	F2	H.M.	E/A-601	F/A-601	1	
110C	B	3'-0"	7'-0"	H.M.	F2	H.M.	E/A-601	F/A-601	1	
110D	B	3'-0"	7'-0"	H.M.	F2	H.M.	E/A-601	F/A-601	1	
REHAB										
101A	C	3'-0"	7'-0"	H.M.	F1	H.M.	I/A-601	A/A-602	3	
102A	C	3'-0"	7'-0"	H.M.	F1	H.M.	I/A-601	A/A-602	1	
102B	D	8'-0"	7'-0"	MANUF.	MANUF.	-	A/A-602	J/A-602	6	
103A	C	3'-0"	7'-0"	H.M.	F1	H.M.	I/A-601	A/A-602	3	

WINDOW SCHEDULE									
MARK	WIDTH	HEIGHT	MATERIALS			DETAILS			
			FRAME	FINISH	GLAZING	HEAD	JAMB	SILL	COMMENTS
W1	7'-0"	5'-0"	ALUM	ANODIZED	1" INSUL.	E/A-602	F/A-602	G/A-602	
W2	5'-0"	7'-0"	ALUM	ANODIZED	1" INSUL.	B/A-602	C/A-602	D/A-602	

MARK	WIDTH	HEIGHT	MATERIAL	FINISH	GLAZING	HEAD	JAMB	SILL	COMMENTS
S1	12'-0"	10'-0"	ALUM	ANODIZED	1" INSUL.	A/A-601	B/A-601	C/A-601	



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

Christopher B. Walker
REGISTERED
SEAL
15616
07/28/25
ARCHITECT
NORTH CAROLINA

THE WALKER GROUP ARCHITECTURE, INCORPORATED
REGISTERED ARCHITECTURAL CORPORATION
CERT. NO. 51132
NORTH CAROLINA
NEW BERN, NC

**CRAVEN
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525 Executive Pkwy
New Bern, NC 28562

Bid Documents
SCO # 24-27879-01A

Revisions	No.	Date	By	App'd
1	1	01.08.25	ADDENDUM	

Project Number
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Drawn
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Scale
AS NOTED

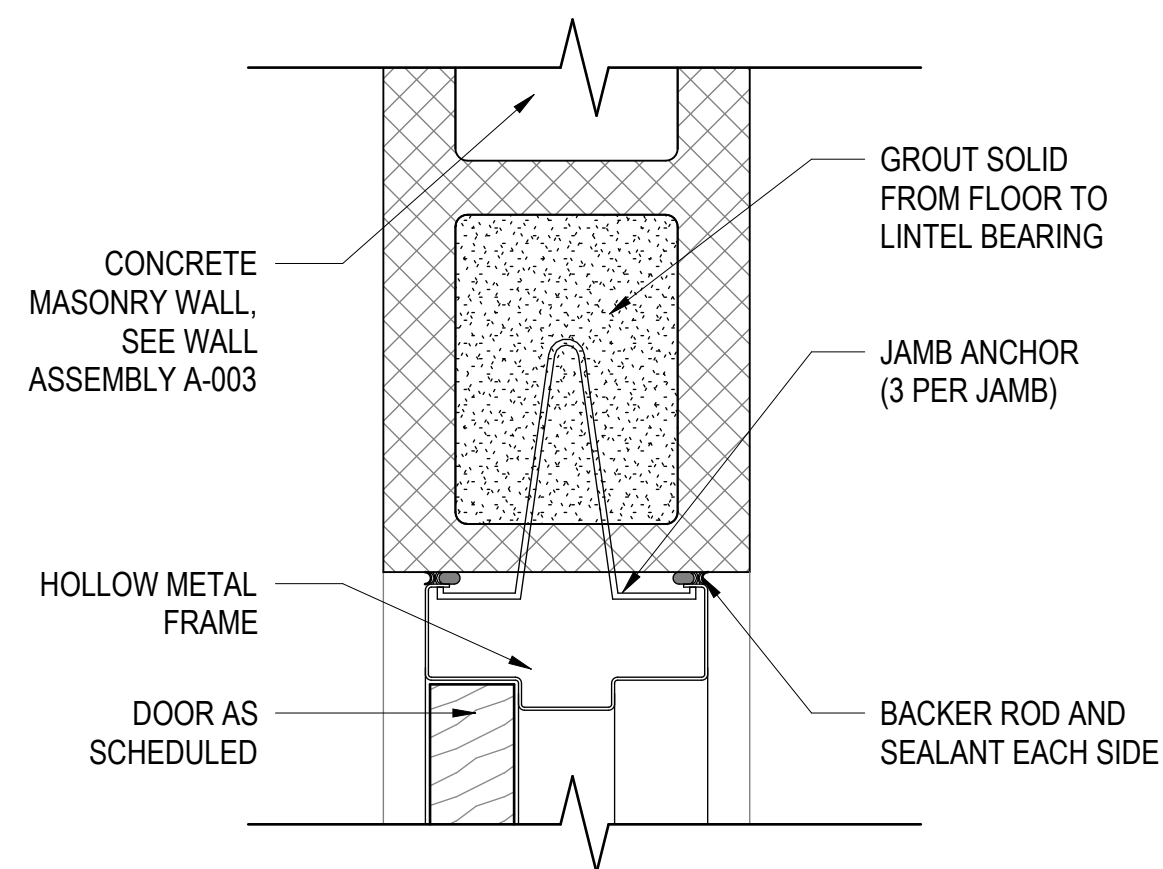
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SCHEDULES & DETAILS

Date
07/28/25

Checked
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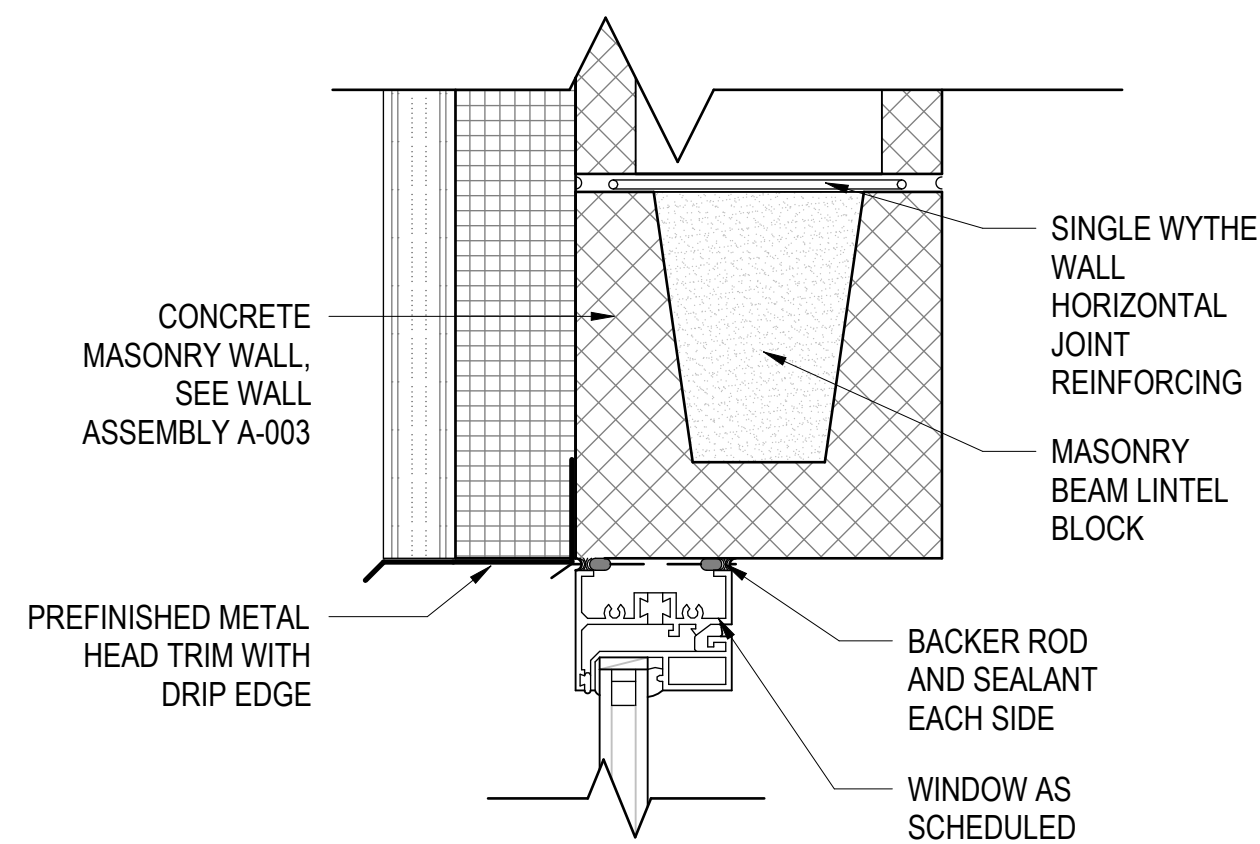
Sheet Number
116 Of 158

Drawing Number
A-601



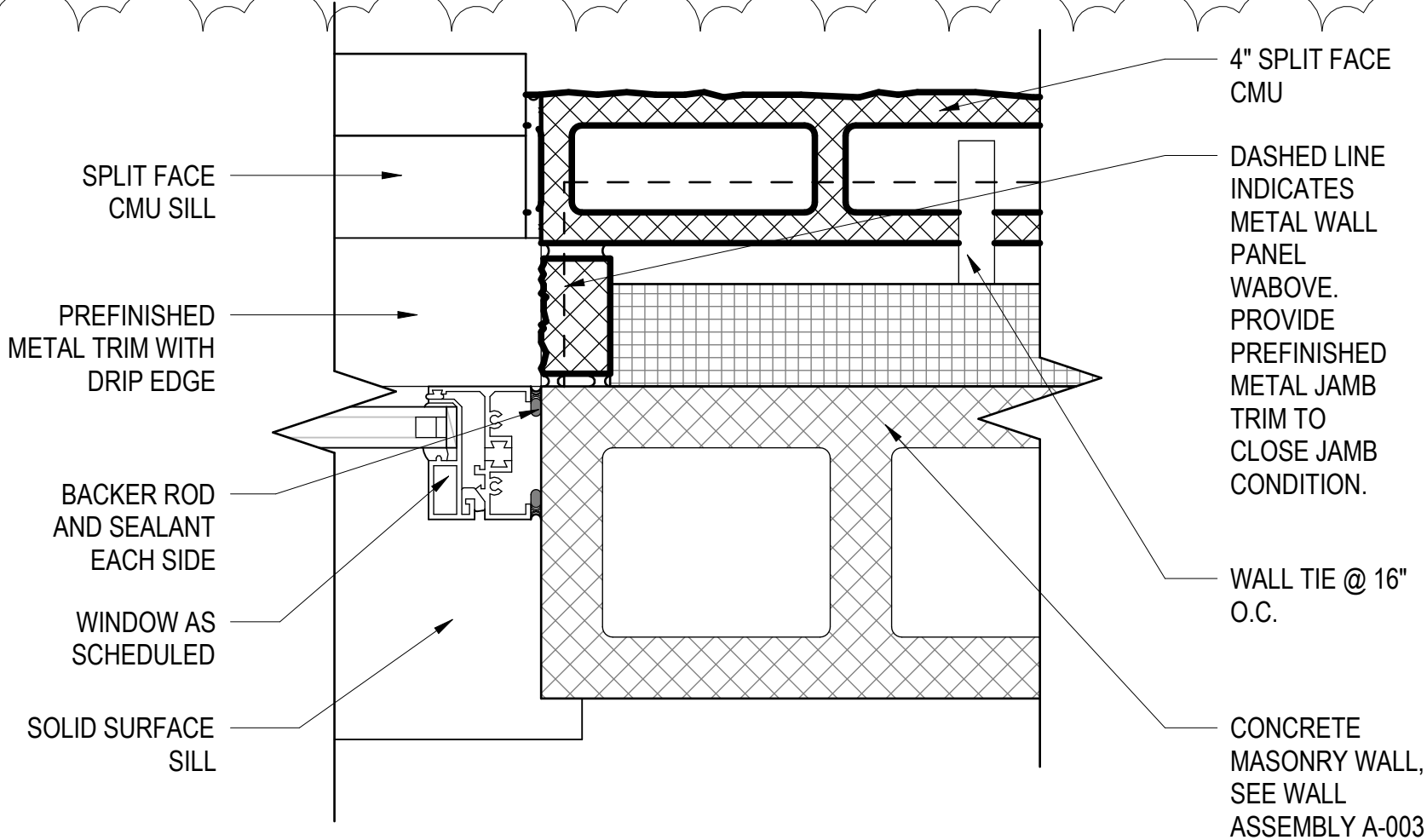
INT. H.M. DOOR JAMB DETAIL @ CMU WALL

SCALE: 3" = 1'-0"



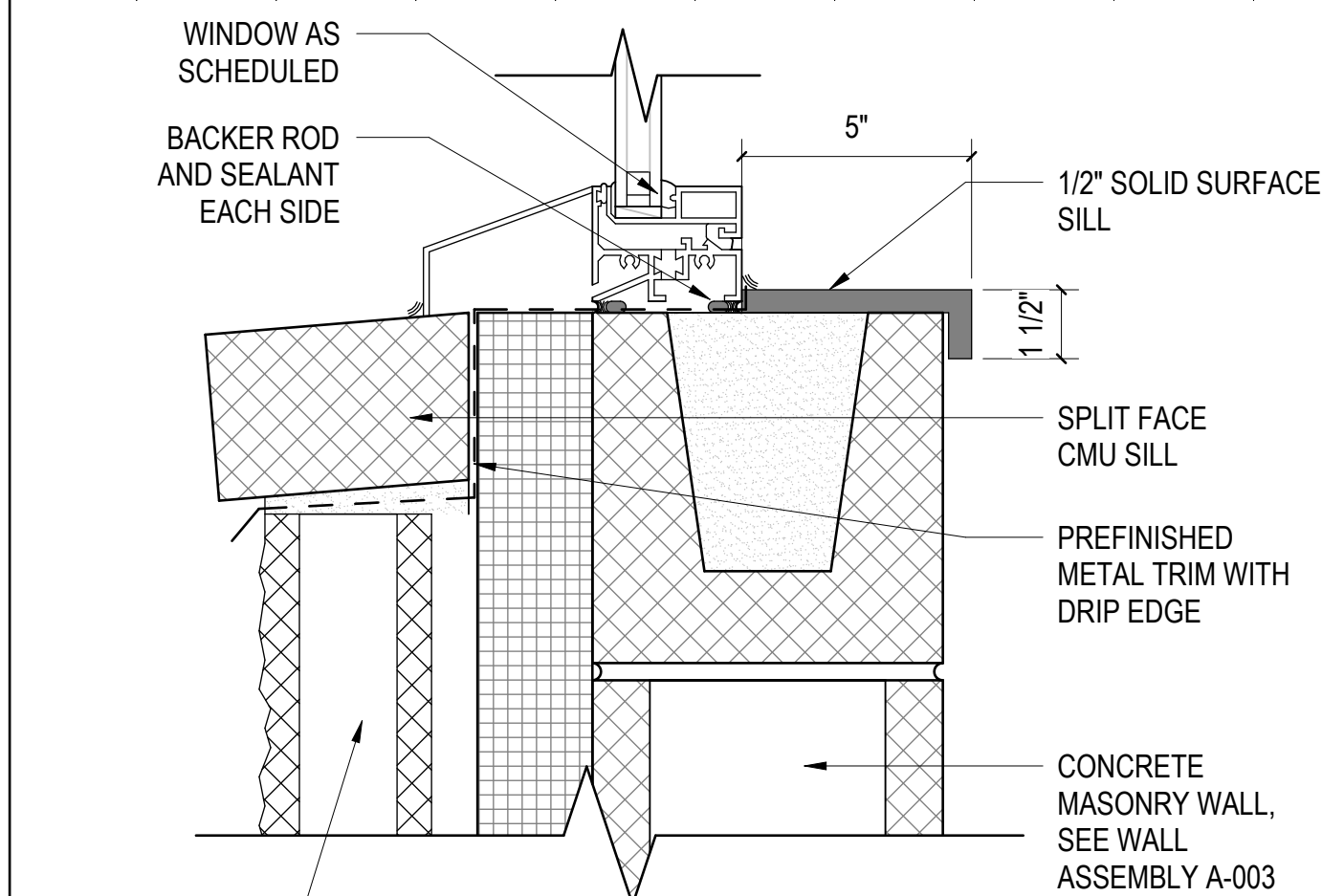
WINDOW HEAD DETAIL @ METAL PANEL AND CMU WALL

SCALE: 3" = 1'-0"



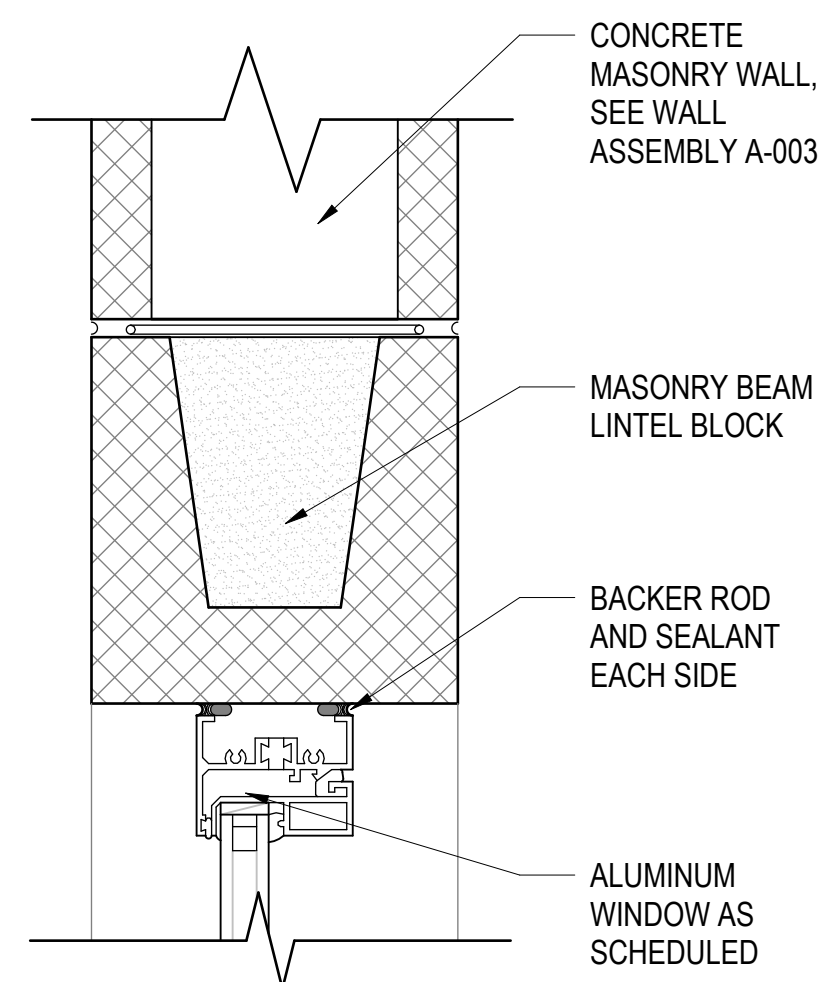
WINDOW JAMB DETAIL @ METAL PANEL AND CMU WALL

SCALE: 3" = 1'-0"



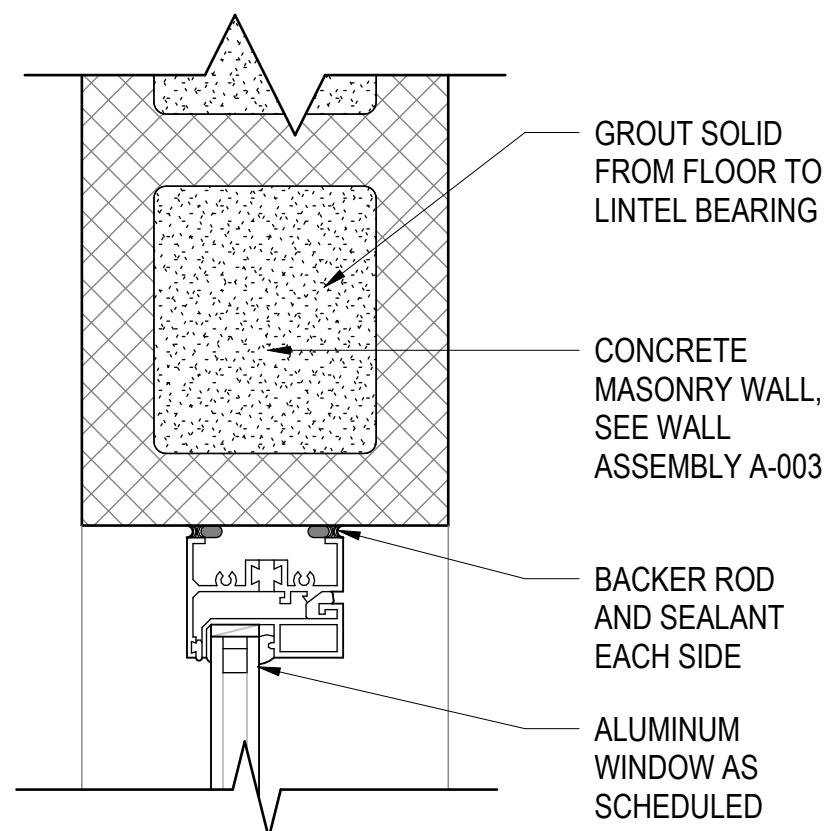
WINDOW SILL DETAIL @ METAL PANEL AND CMU WALL

SCALE: 3" = 1'-0"



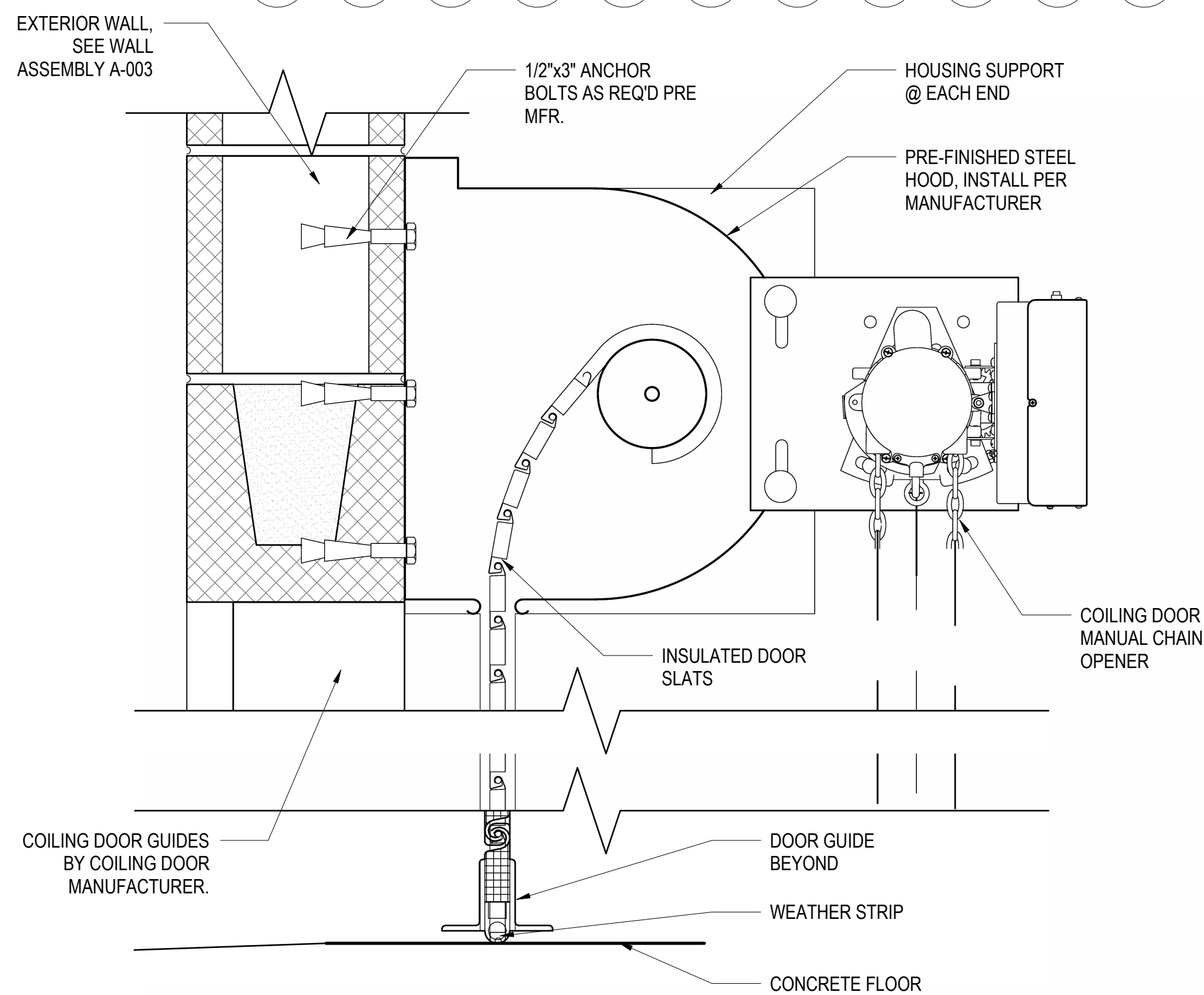
WINDOW HEAD DETAIL @ CMU WALL

SCALE: 3" = 1'-0"



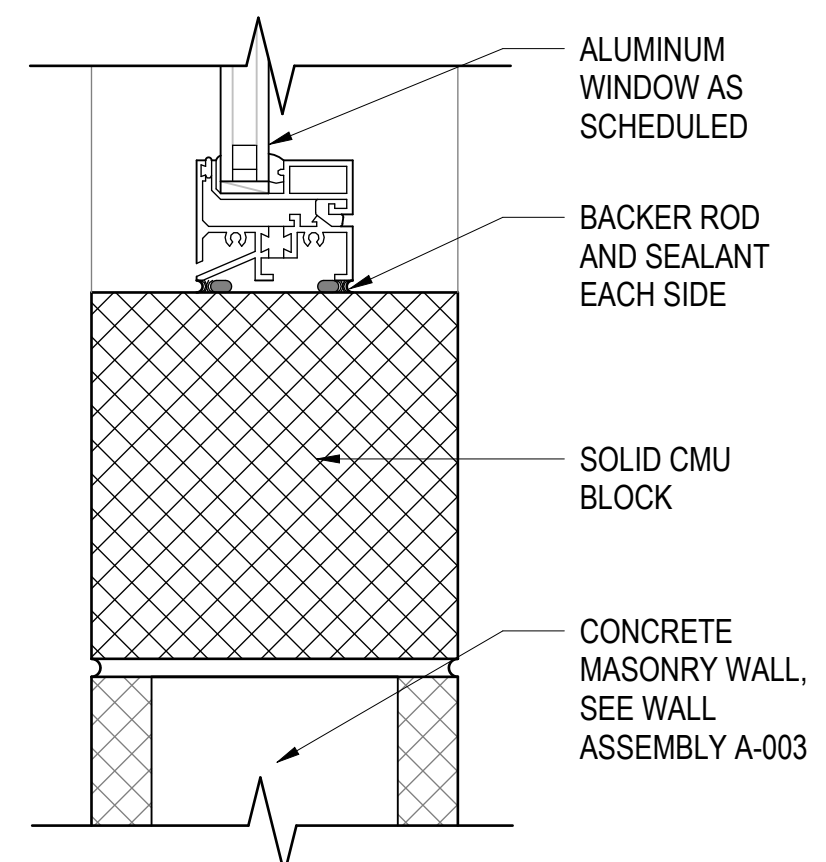
WINDOW JAMB DETAIL @ CMU WALL

SCALE: 3" = 1'-0"



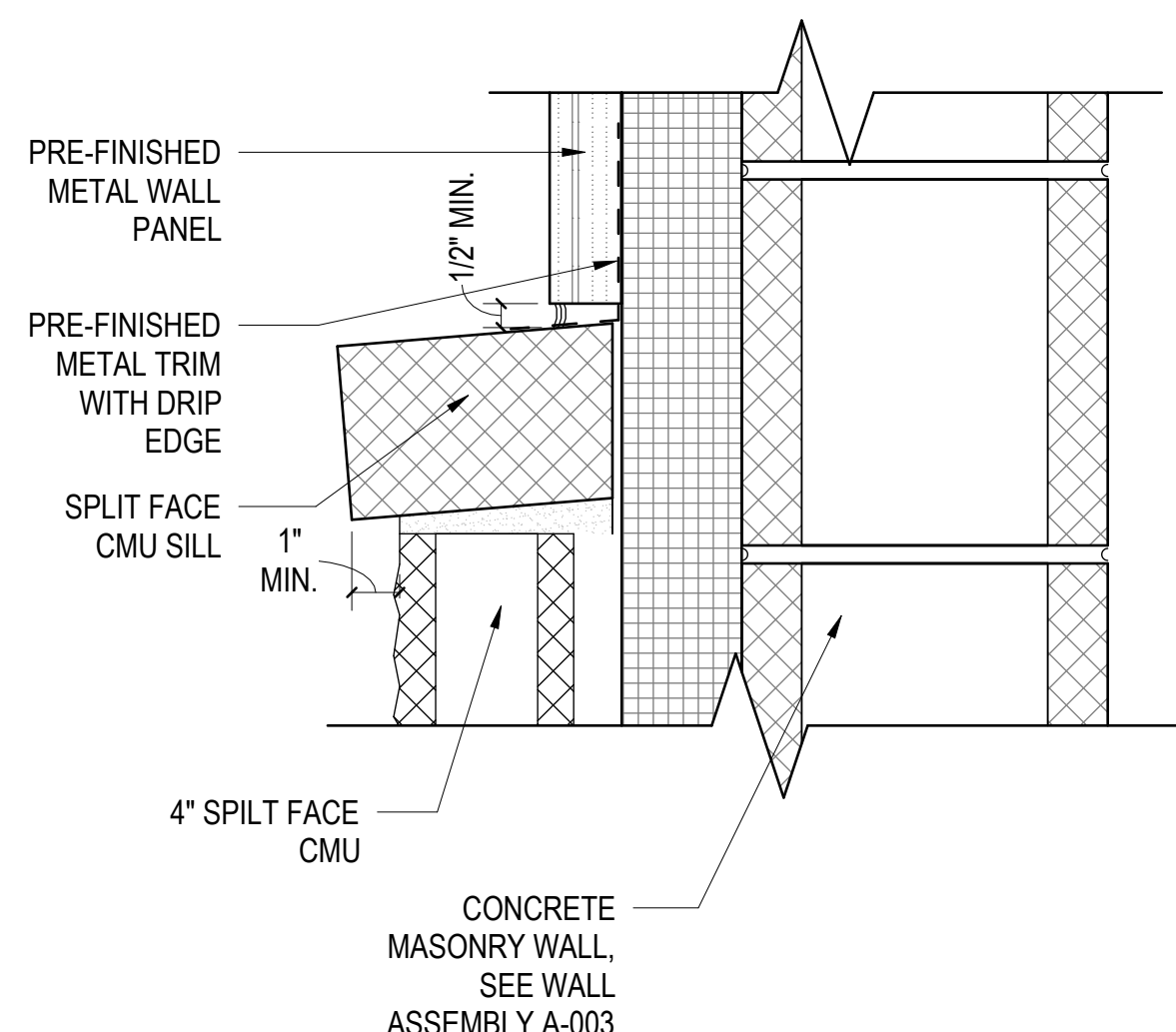
COILING DOOR HEAD DETAIL @ CMU WALL

SCALE: 3" = 1'-0"



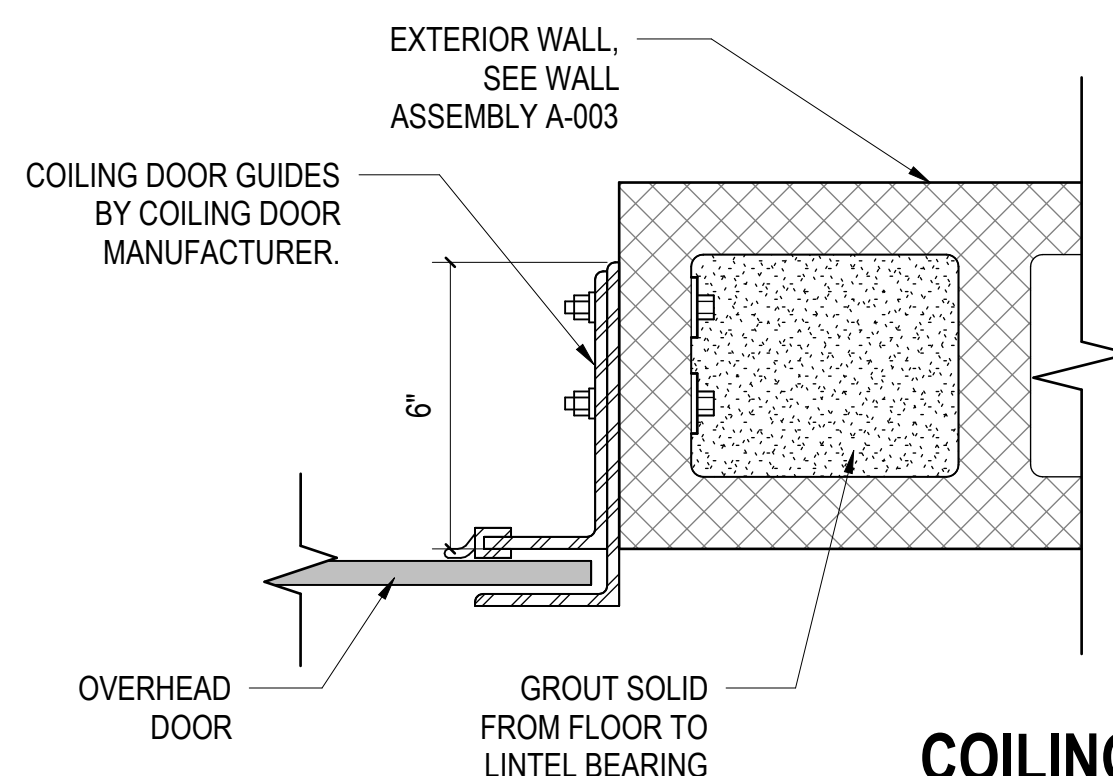
WINDOW SILL DETAIL @ CMU WALL

SCALE: 3" = 1'-0"



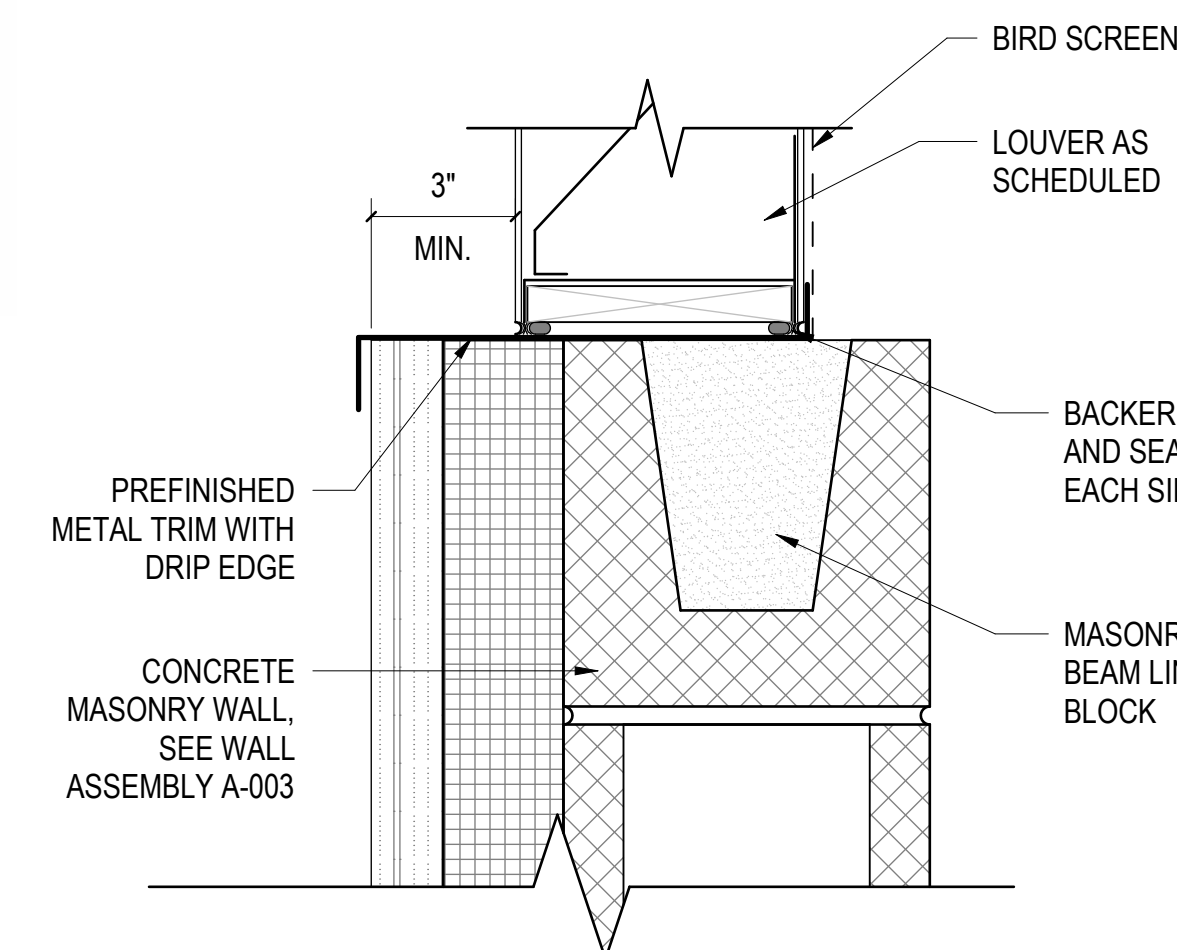
METAL WALL PANEL TRANSITION

SCALE: 3" = 1'-0"



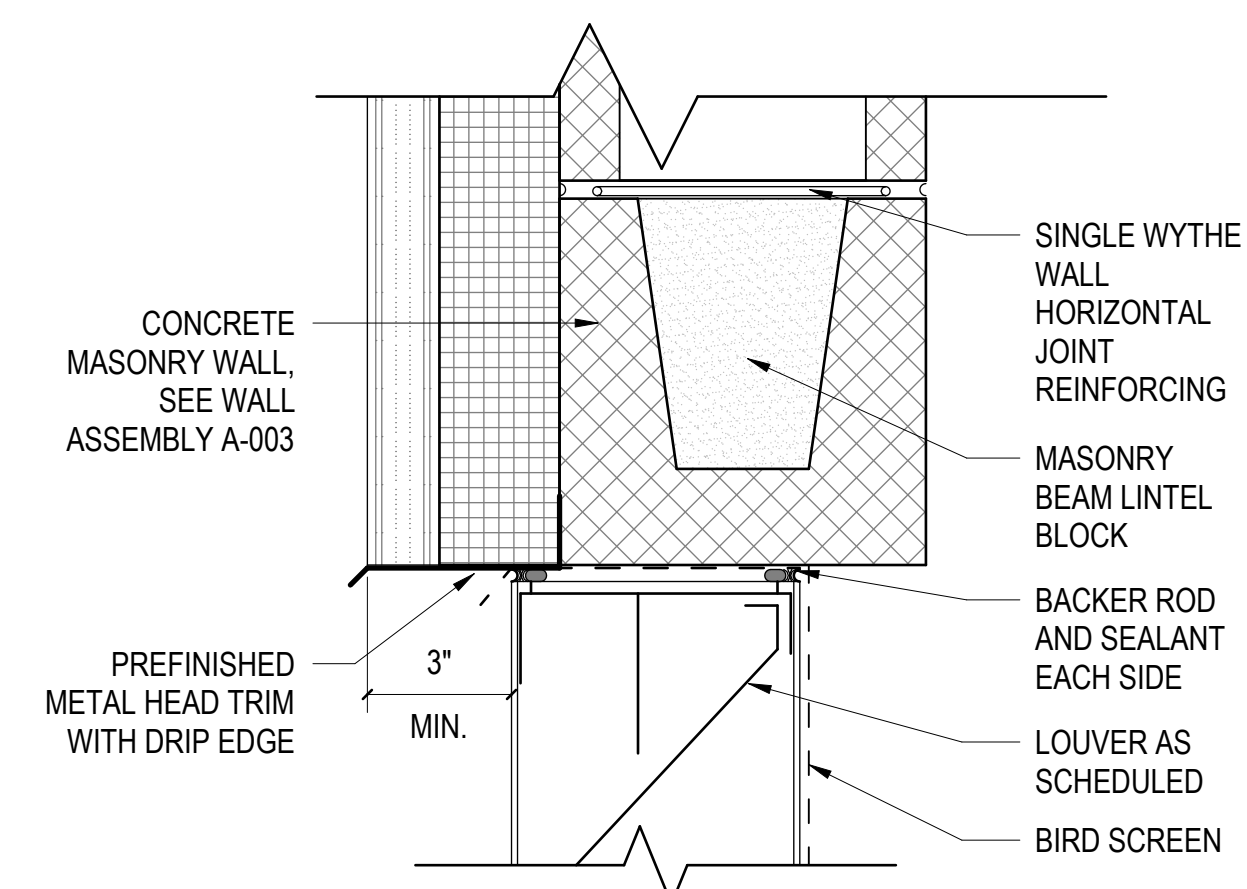
COILING DOOR JAMB DETAIL @ CMU WALL

SCALE: 3" = 1'-0"



LOUVER SILL DETAIL @ METAL PANEL AND CMU WALL

SCALE: 3" = 1'-0"



LOUVER HEAD/JAMB DETAIL @ METAL PANEL AND CMU WALL

SCALE: 3" = 1'-0"

3" = 1'-0" 0" 3" 6" 9"

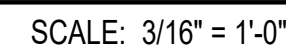
Revisions
1. No. Date
1. 01.08.25
ADDENDUM 01.08.25

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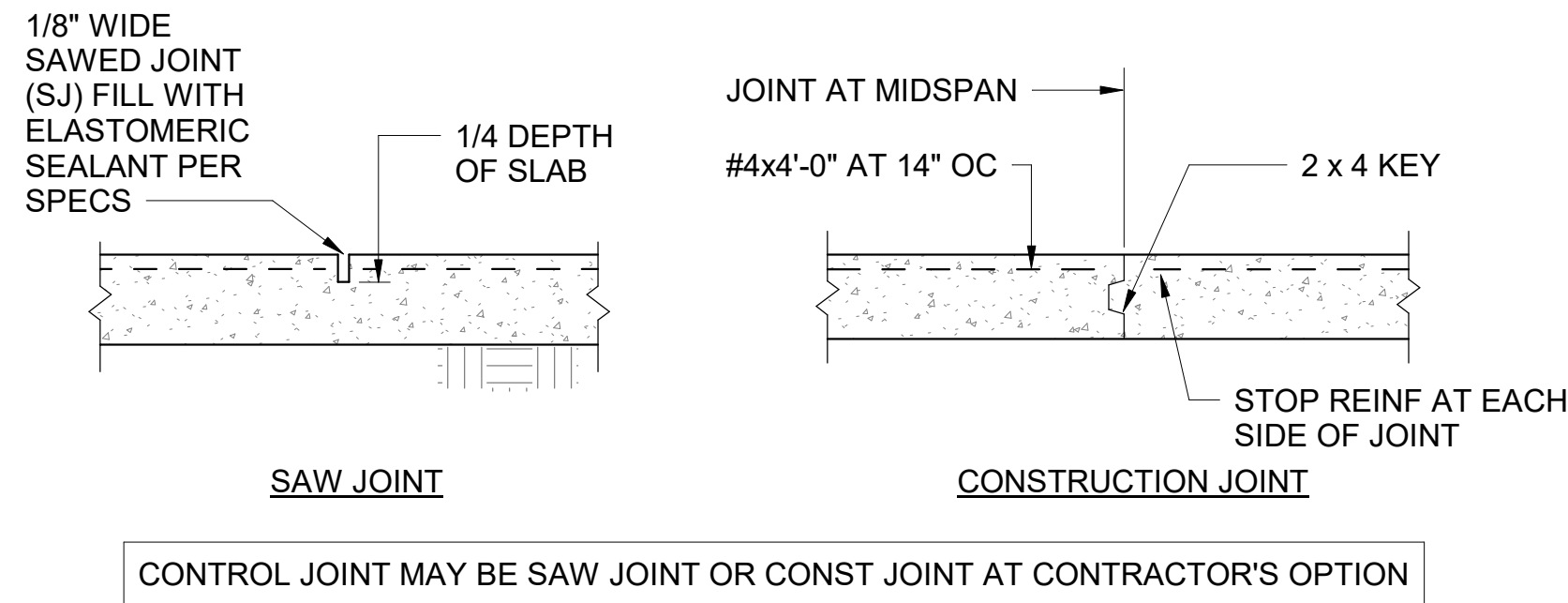
DETAILS

Sheet Number
117 Of 158
Drawing Number

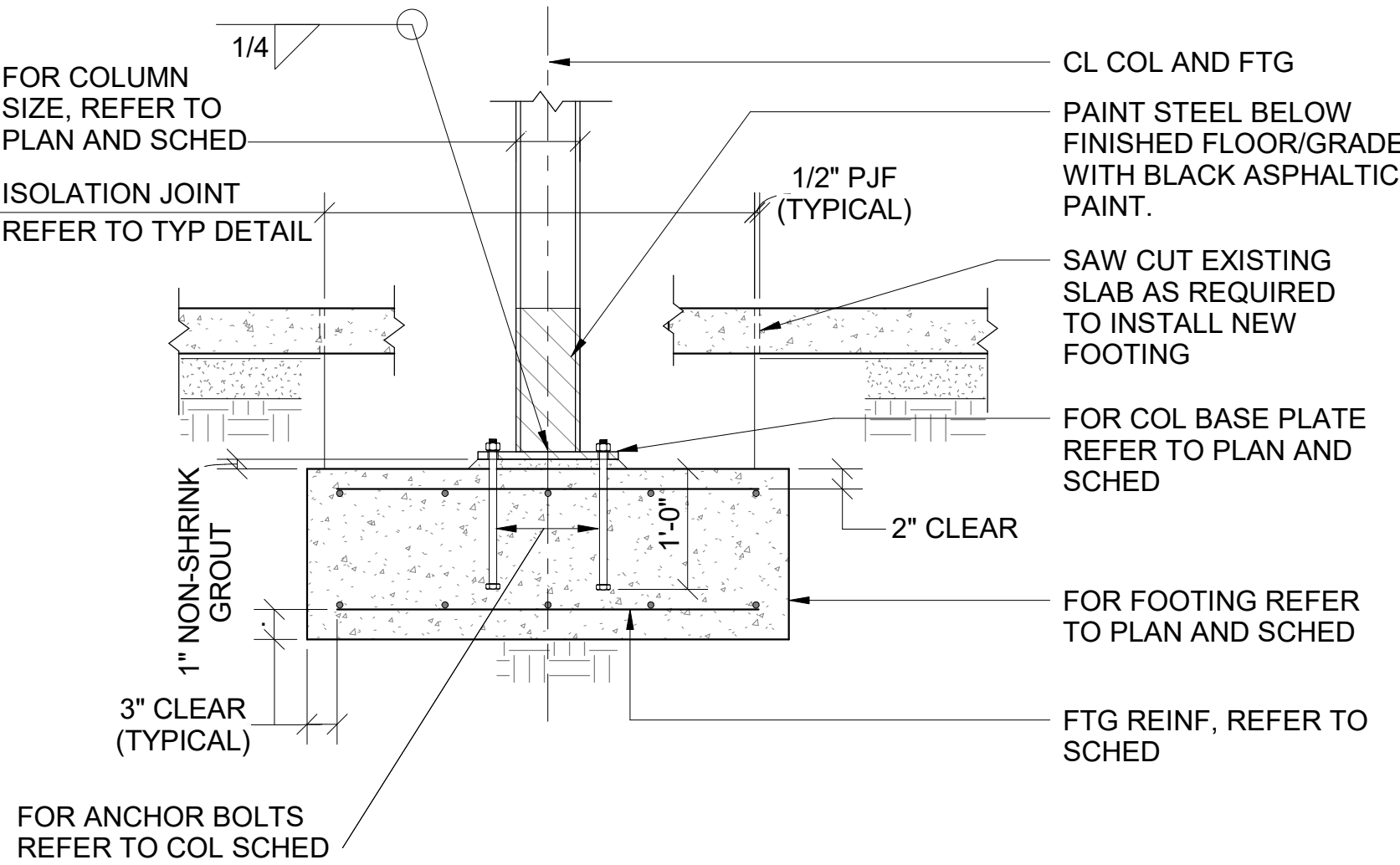
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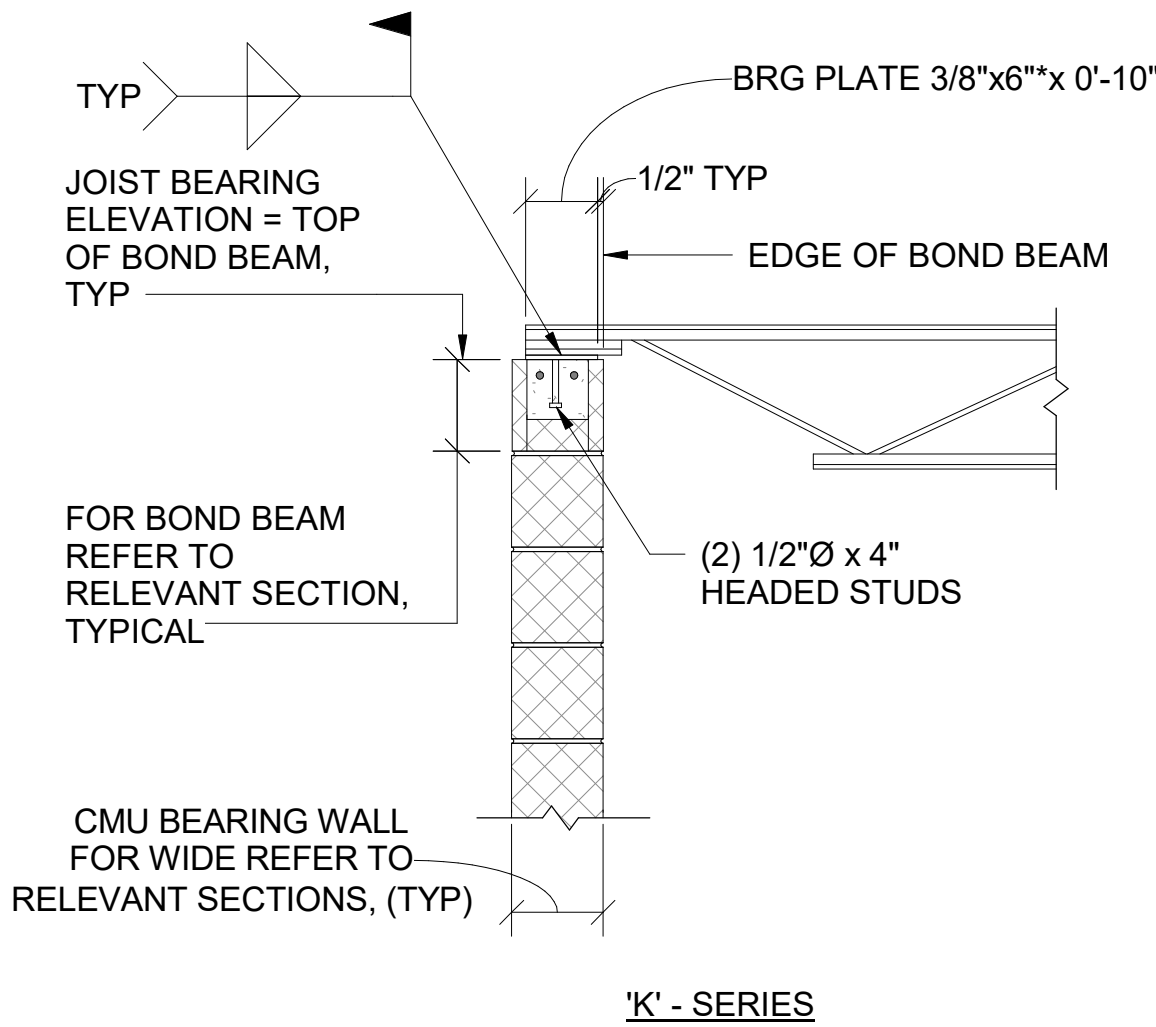


TYPICAL SLAB CONTROL JOINT DETAIL
NOT TO SCALE

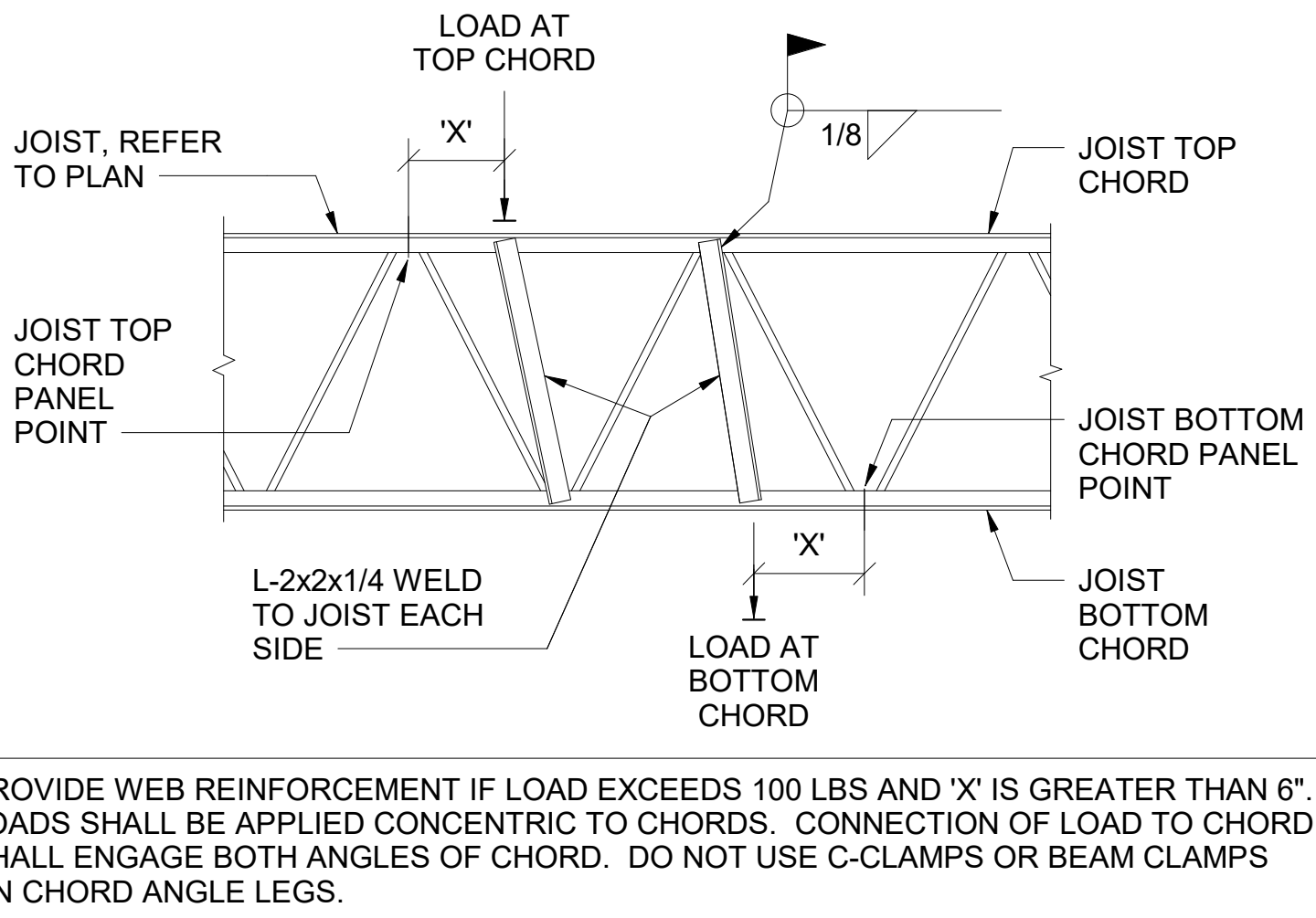


TYPICAL COLUMN AND FOOTING DETAIL
NOT TO SCALE

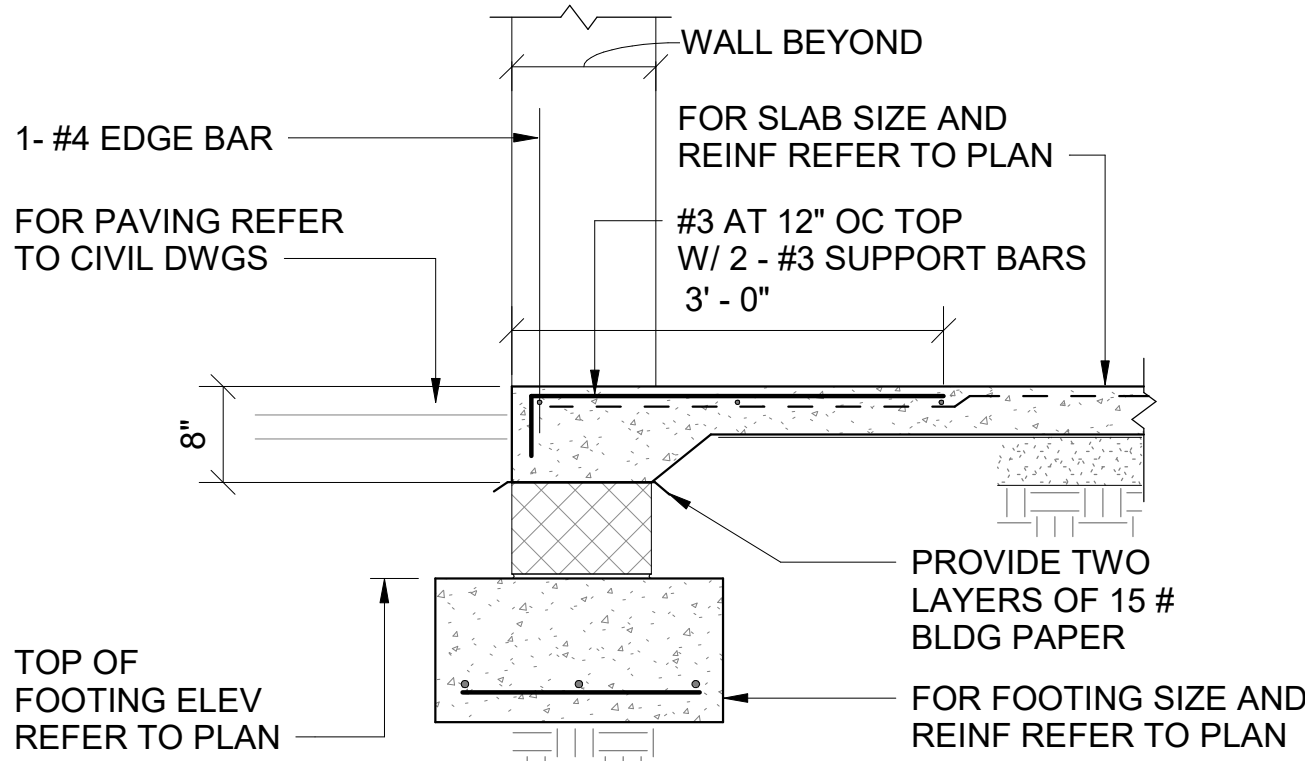
* WHERE JOISTS OCCUR ON BOTH SIDES OF WALL PROVIDE SEPARATE BRG PLATE INSTALLED AS SHOWN OR PROVIDE COMMON PLATE; WIDTH TO SUIT: 7" AT 8" CMU, 11" AT 12" CMU



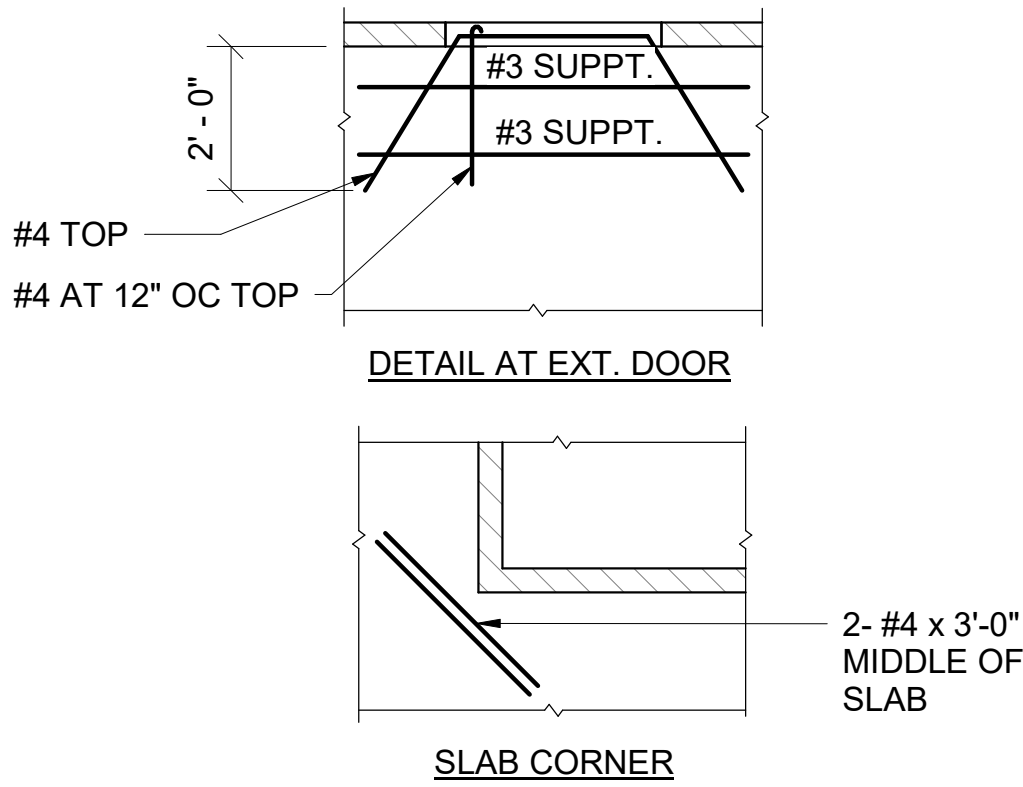
TYPICAL JOIST BEARING ON CMU DETAILS
NOT TO SCALE



TYPICAL ADDED REINF AT JOIST SUPPORTING LOADS BETWEEN PANEL POINTS
NOT TO SCALE



TYPICAL SILL DETAIL
NOT TO SCALE



TYPICAL DETAIL SHOWING SLAB REINFORCING AT EXT. DOORS & CORNERS
NOT TO SCALE

WALL FOOTING SCHEDULE						
MARK	DIMENSIONS		REINFORCING			NOTES
	WIDTH	DEPTH	LONGITUDINAL QUANTITY	SIZE	TRANSVERSE SIZE SPACING	
WF2.0	2' - 0"	1' - 0"	3	5	4	4' - 0"
WF2.5	2' - 6"	1' - 0"	4	4	4	4' - 0"
WF3.0	3' - 0"	1' - 0"	4	4	4	4' - 0"

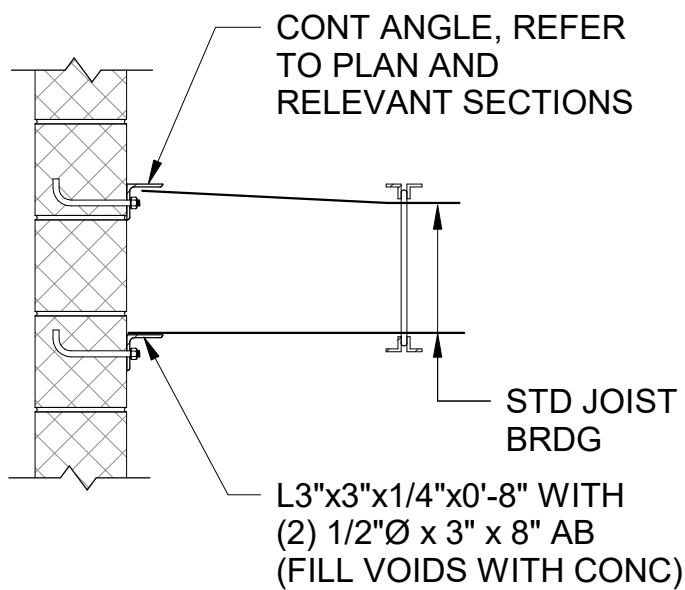
COLUMN FOOTING SCHEDULE								
MARK	DIMENSIONS			TOP AND BOTTOM REINFORCING				REMARKS
	WIDTH	LENGTH	DEPTH	SHORT WAY		LONG WAY		
				QUANTITY	SIZE	QUANTITY	SIZE	
F3.0	3' - 0"	3' - 0"	1' - 0"	5	4	5	4	
F3.5	3' - 6"	3' - 6"	1' - 4"	5	4	5	4	
F5.0	5' - 0"	5' - 0"	1' - 4"	6	5	6	5	

MASONRY AND PRECAST CONCRETE LINTEL SCHED FOR CMU PARTITIONS

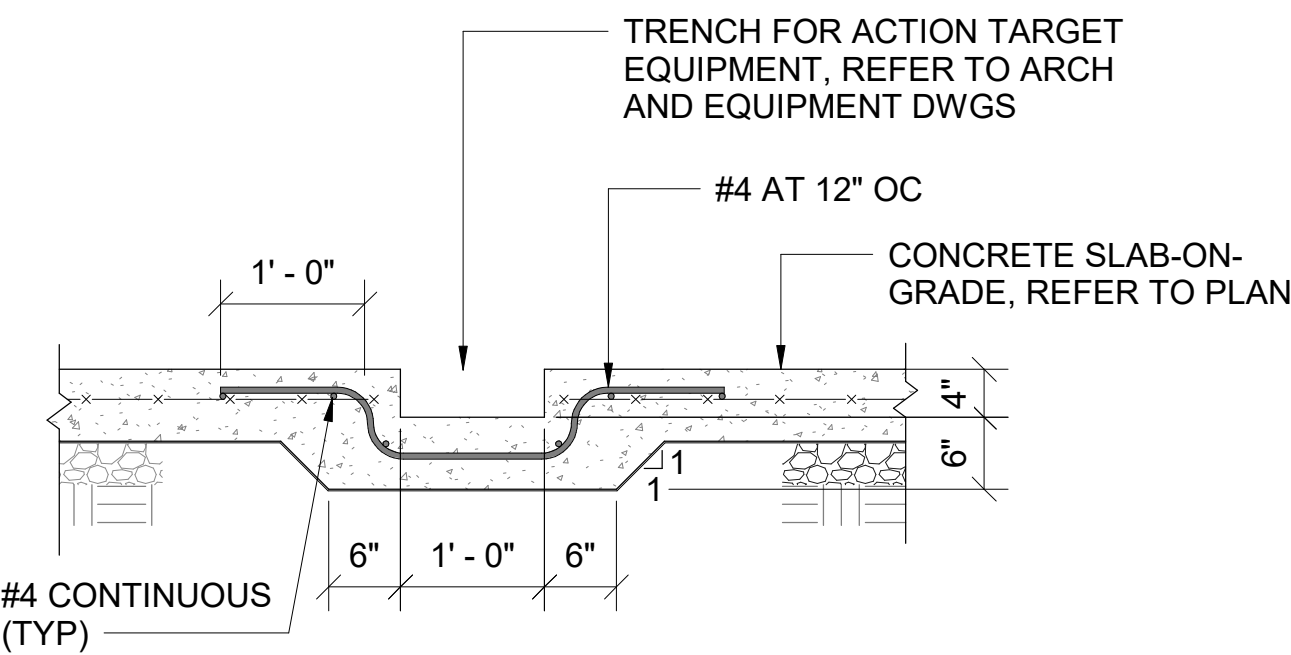
WALL WIDTH	TOP AND BOTTOM REINFORCING			
	4' SPAN & LESS CLEAR SPAN	OVER 4' TO 6' CLEAR SPAN	OVER 6' TO 8' CLEAR SPAN	OVER 10' TO 12' CLEAR SPAN
8"	2 - # 4	2 - # 4	2 - # 5	2 - # 5

NOTES:

- FOR SIZE AND LOCATION OF OPENINGS REFER TO ARCH DRAWINGS.
- BEARING SHALL BE 8" MINIMUM EACH END.
- LINTELS UP TO 6'-4" SPAN SHALL BE 7 5/8" DEEP. LINTELS OVER 6'-4" SPAN SHALL BE 15 5/8" DEEP. LINTELS OVER 10'-0" SPAN SHALL BE 24" DEEP.
- FOR HEAD DETAILS REFER TO ARCHITECTURAL DRAWINGS.
- IN ADDITION TO MASONRY LINTELS AND AS REQUIRED BY ARCHITECTURAL DETAILS PROVIDE 4" x 6" x 5/16" LOOSE LINTELS AND 6" x 6" x 5/16" ATTACHED LINTELS FOR BRICK SUPPORT.
- FOR SPANS OVER 6'-4" LINTEL ANGLE SHALL BE ATTACHED TO MASONRY OR PRECAST LINTEL WITH 3/4" DIAMETER EXPANSION BOLTS AT 3'-0" OC (MIN 3 PER ANGLE).
- STEEL LINTEL ANGLES SHALL BE GALVANIZED, REFER TO SPECS
- REINFORCING STEEL MUST CONFORM TO ASTM GRADE 60.
- CONTRACTOR SHALL SUBMIT FOR APPROVAL SHOP DRAWINGS AND SCHEDULES SHOWING SIZE, DETAILS, LOCATION, ETC. FOR ALL LINTELS IN CMU WALLS.



TYPICAL JOIST BRIDGING ANCHORAGE DETAILS
NOT TO SCALE

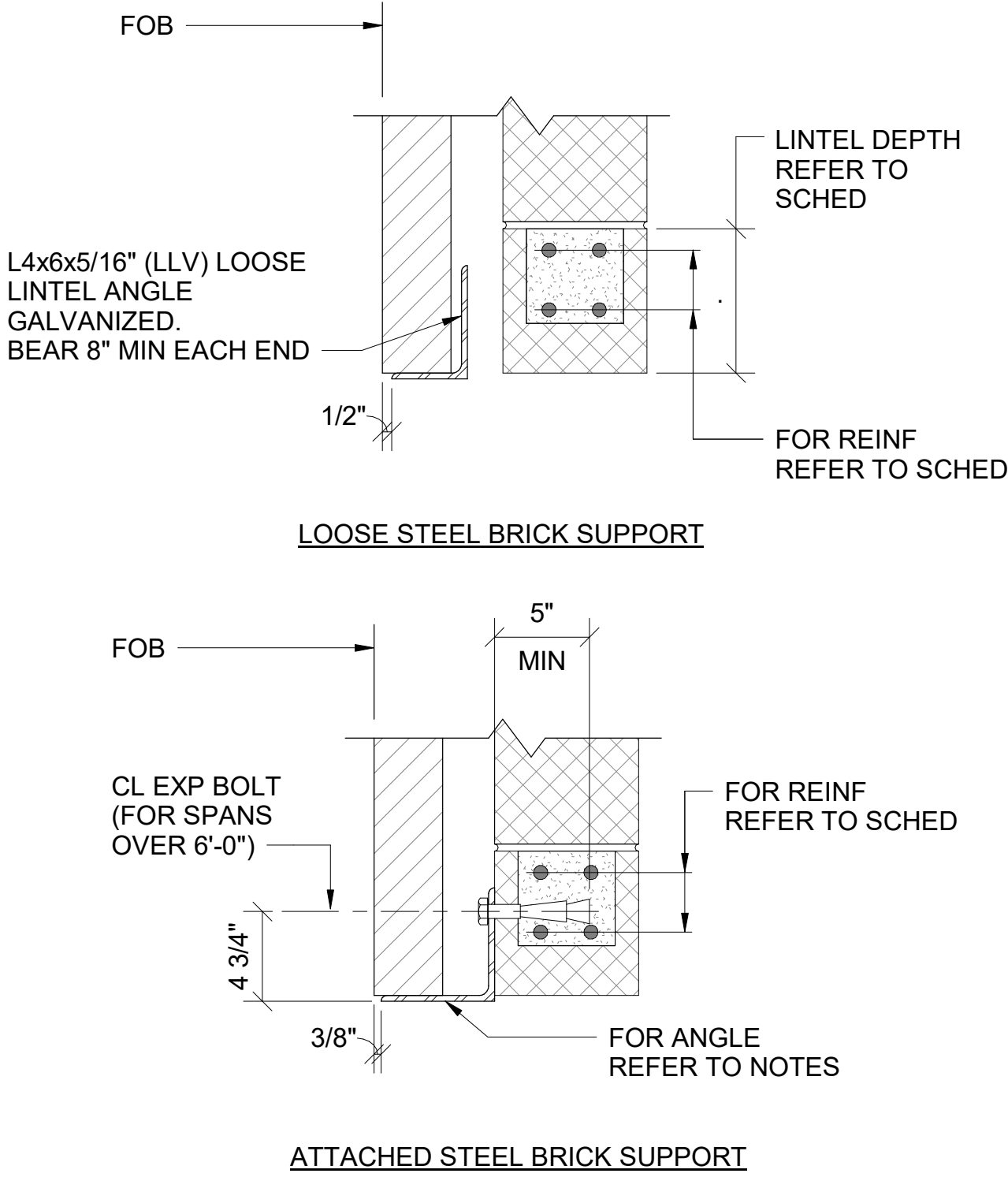


TYPICAL DETAILS FOR SLAB TRENCH
NOT TO SCALE

REINFORCEMENT LAP SPLICE SCHEDULE

BAR SIZE	LAP LENGTH
#4	19"
#5	24"
#6	29"
#7	42"
#8	48"
#9	54"

LAP LENGTH APPLIES TO CONCRETE REINFORCING BAR SPLICES FOR CONTINUOUS REINFORCEMENT



TYPICAL LINTEL DETAILS
NOT TO SCALE

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



NRW ENGINEERING
Structural Consultants
748 Lord Dunmore Drive, Suite 101
Virginia Beach, VA 23464
Phone 757-474-6812
Fax 757-474-0919
NC License C-1393

**Craven Community College-
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BID DOCUMENTS

SCO # 24-27879-01A

Revisions	
No.	Date
1	08/25/25
ADDENDUM 01 REVISIONS	

Project Number
2407.SAFE

Drawn
DFS

Scale
AS NOTED

Drawing Title
TYPICAL DETAILS

Date
07/28/2025

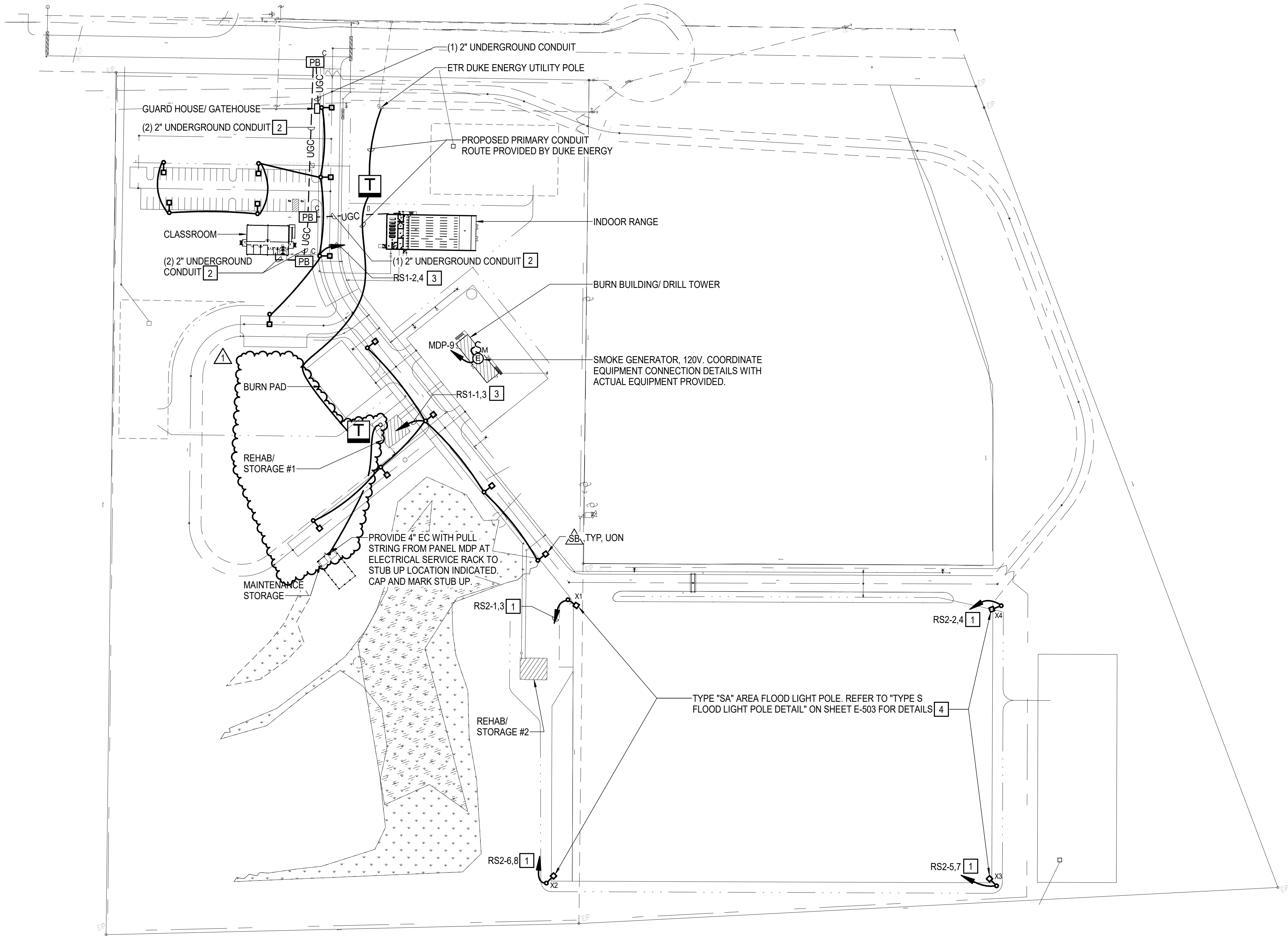
Checked
KMR

Sheet Number
126 Of 155

Drawing Number

S501

SITE PLAN
SCALE: 1" = 80'-0"



NOTES THIS SHEET

- 1 CIRCUIT VIA LIGHTING RELAY PANEL "LRP-2"
- 2 REFER TO "DUCTBANK TRENCH DETAIL TYPE A (PAVEMENT) - COMM" AND "DUCTBANK TRENCH DETAIL TYPE A (SOIL) - COMM" ON SHEET E-501 FOR ADDITIONAL INFORMATION AS APPLICABLE.
- 3 CIRCUIT VIA LIGHTING RELAY PANEL "LRP-1"
- 4 LIGHT FIXTURES, ASSOCIATED POLES, CONCRETE BASES, CONDUIT AND WIRE SHALL BE PROVIDED AS PART OF "BID ALTERNATE 04". REFER TO SHEET G1001 FOR BID ALTERNATE DETAILS.

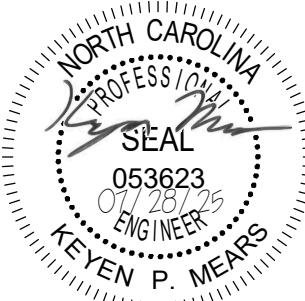
BID ALTERNATES:

WORK SHOWN ON THIS SHEET IS ASSOCIATED WITH MULTIPLE BID ALTERNATES. REFER TO SHEET G1001 SECTION "ADDITIVE BID ALTERNATES" FOR ADDITIONAL INFORMATION.

GRAPHIC SCALE(S)



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



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BID DOCUMENTS

SCO # 24-27879-01A

Revisions	No.	Date	Description
ADDENDUM 1	1	08/25/2025	

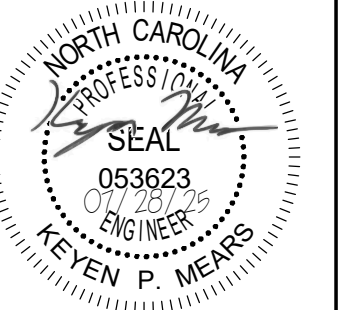
Project Number
2407.SAFE
Date
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Drawing Title

SITE PLAN

Sheet Number
Of 157
Drawing Number

E-002





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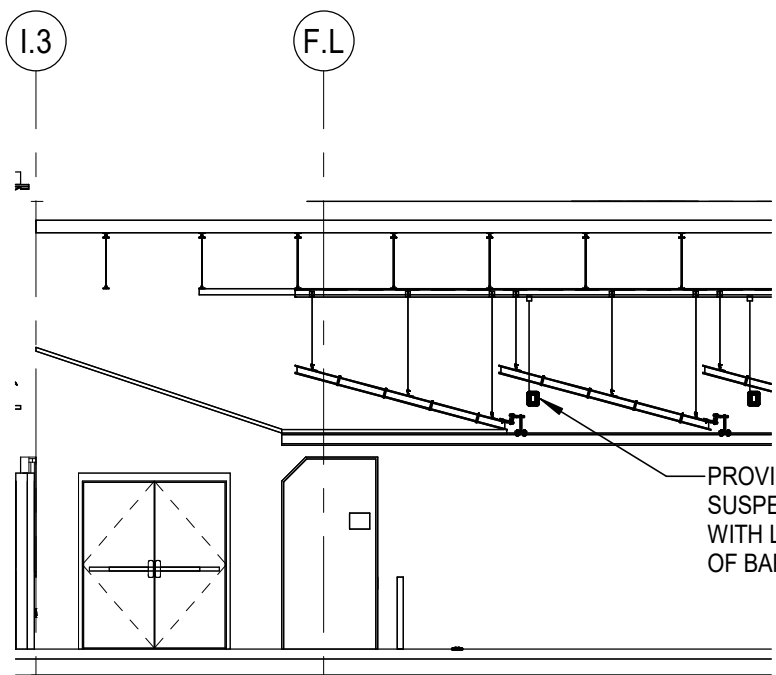
BID DOCUMENTS
SCO # 24-27879-01A

Revisions	No.	Date
ADDENDUM 1	08/25/2025	

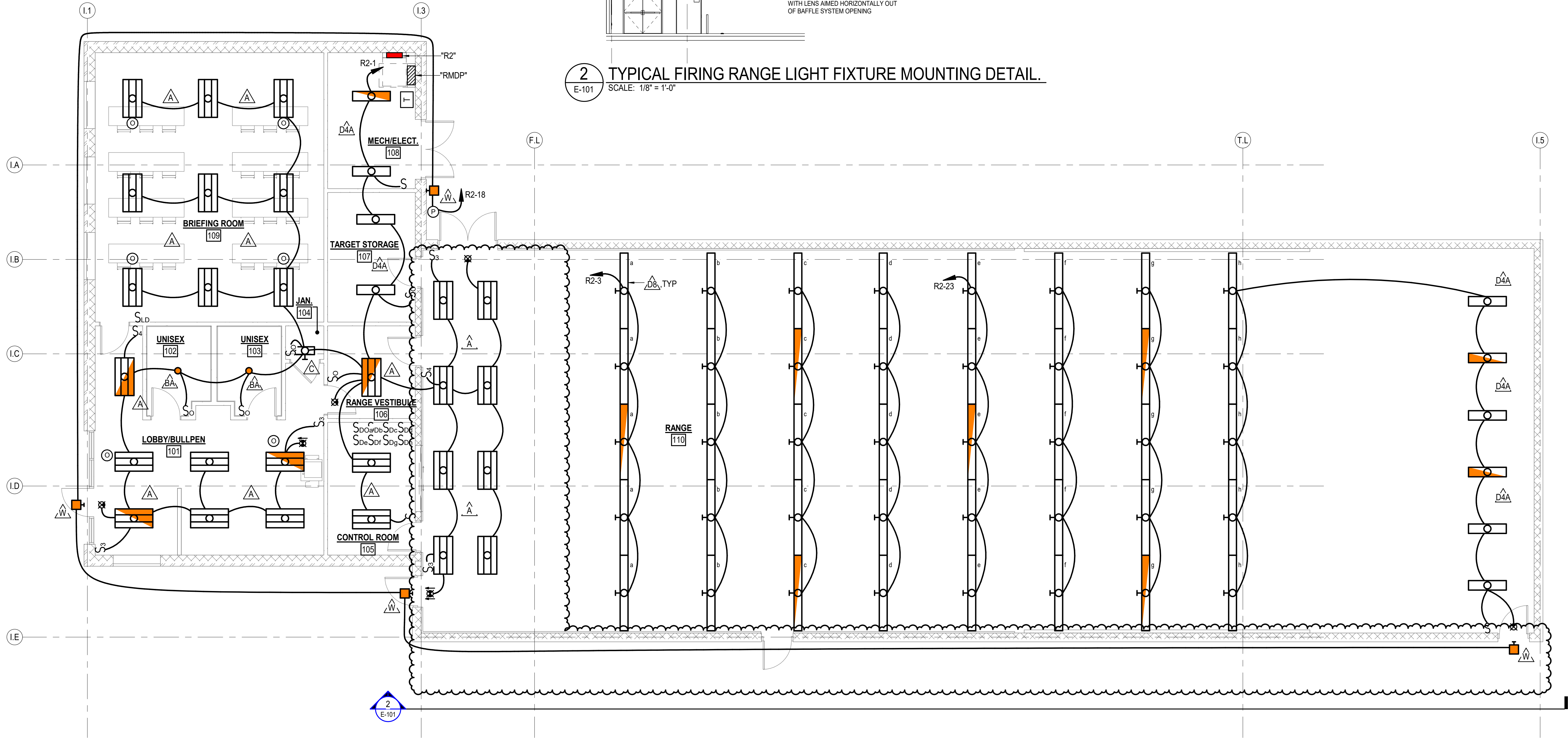
Project Number
2407.SAFE
Date
07/28/25
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Scale
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Drawing Title

INDOOR RANGE
LIGHTING PLAN

Sheet Number
Of 157
Drawing Number
E-101



2 TYPICAL FIRING RANGE LIGHT FIXTURE MOUNTING DETAIL.
E-101 SCALE: 1/8" = 1'-0"

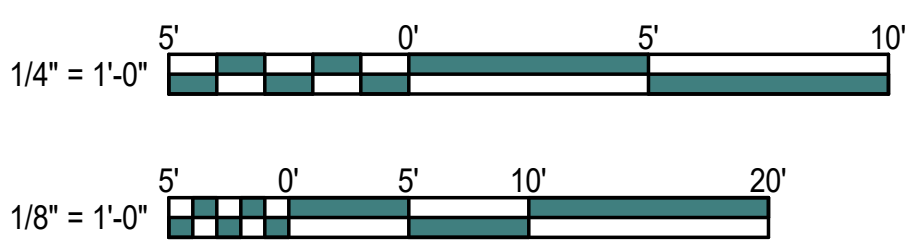


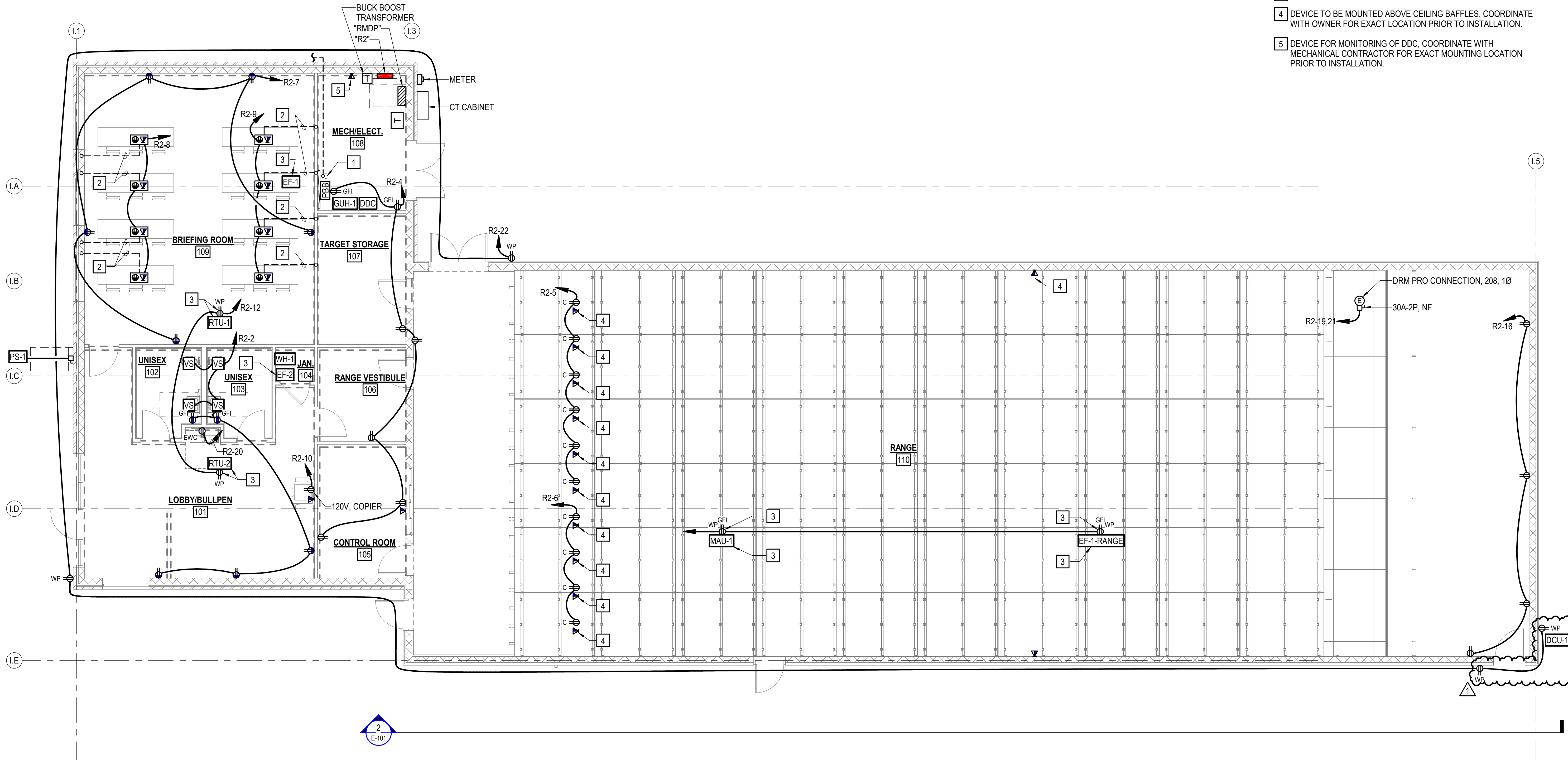
INDOOR RANGE LIGHTING PLAN
SCALE: 3/16" = 1'-0"

BID ALTERNATE 06:

WORK SHOWN ON THIS SHEET IS ASSOCIATED WITH BID ALTERNATE 06. REFER TO SHEET G1001 SECTION "ADDITIVE BID ALTERNATES" FOR ADDITIONAL INFORMATION.

GRAPHIC SCALE(S)

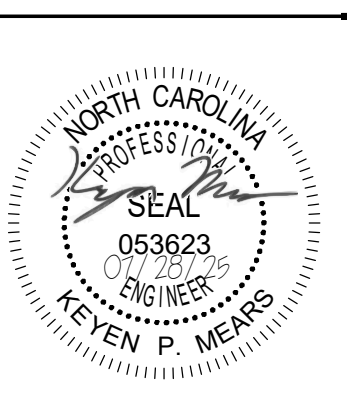




NOTES THIS SHEET

- 1 (1) 2" C., SCHEDULE 40 PVC WITH PULL STRING TO PULLBOX, REFER TO SITE PLAN, SHEET E-002 FOR ADDITIONAL INFORMATION.
- 2 PROVIDE (1) 1-1/4"C. WITH PULL STRING. INSTALL CONDUIT IN SLAB TO NEAREST WALL, TURN UP CONCEALED IN WALL TO ABOVE ACCESSIBLE CEILING AND TERMINATE WITH BUSHINGS.
- 3 EQUIPMENT LOCATED ON ROOF.
- 4 DEVICE TO BE MOUNTED ABOVE CEILING BAFFLES, COORDINATE WITH OWNER FOR EXACT LOCATION PRIOR TO INSTALLATION.
- 5 DEVICE FOR MONITORING OF DDC, COORDINATE WITH MECHANICAL CONTRACTOR FOR EXACT MOUNTING LOCATION PRIOR TO INSTALLATION.

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

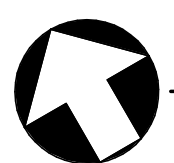


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BID DOCUMENTS
SCO # 24-27879-01A

No.	Date	Revisions
1	08/25/2025	ADDENDUM 1



INDOOR RANGE POWER AND SPECIAL SYSTEMS FLOOR PLAN

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

ELECTRICAL CONNECTION SCHEDULE - INDOOR RANGE

TAG	MCA	kW / HP	FLA	VOLTAGE	Ø	MOCP	CKT	DISCONNECT	NOTES
RTU-1	14 A	-	11.2 A	480 V	3Ø	20 A	RMDP-2,4,6	30A-2P, FU@20A, 3R	1
RTU-2	11 A	-	8.8 A	480 V	3Ø	15 A	RMDP-7,9,11	30A-2P, FU@15A, 3R	1
EF-1	-	1/8 HP	3 A	120 V	1Ø	-	R2-11	INTEGRAL DISCONNECT	1
EF-2	-	1/8 HP	4.4 A	120 V	1Ø	-	R2-13	INTEGRAL DISCONNECT	1
DCU-1	-	5 HP	7.6 A	480 V	3Ø	20 A	RMDP-19,21,23	30A-3P, FU@20A, 3R	1
DDC	-	-	3 A	120 V	1Ø	-	R2-25	30A-2P,NF	1
EF-1-RANGE	-	60 HP	77 A	480 V	3Ø	-	R2-24,26	200A-3P, FU@150A, 3R	1
GUH-1	-	-	1 A	120 V	1Ø	-	R2-14	-	1
MAU-1	191 A	-	183 A	480 V	3Ø	200 A	RMDP-8,10,12	200A-3P, FU@200A, 3R	1
PS-1	-	2 HP	12 A	240 V	1Ø	-	Buck boost-1	30A-2P,NF	1, 2
WH-1	-	3KW	14.4 A	208 V	1Ø	-	R2-15,17	30A-2P,NF	1

- NOTES:
- COORDINATE ALL CONNECTIONS TO EQUIPMENT WITH MECHANICAL SUB-CONTRACTOR AND APPROVED SHOP DRAWINGS.
 - PROVIDE WITH 208V - 240V BUCK BOOST TRANSFORMER.

BID ALTERNATE 06:

WORK SHOWN ON THIS SHEET IS ASSOCIATED WITH BID ALTERNATE 06. REFER TO SHEET G1001 SECTION "ADDITIVE BID ALTERNATES" FOR ADDITIONAL INFORMATION.

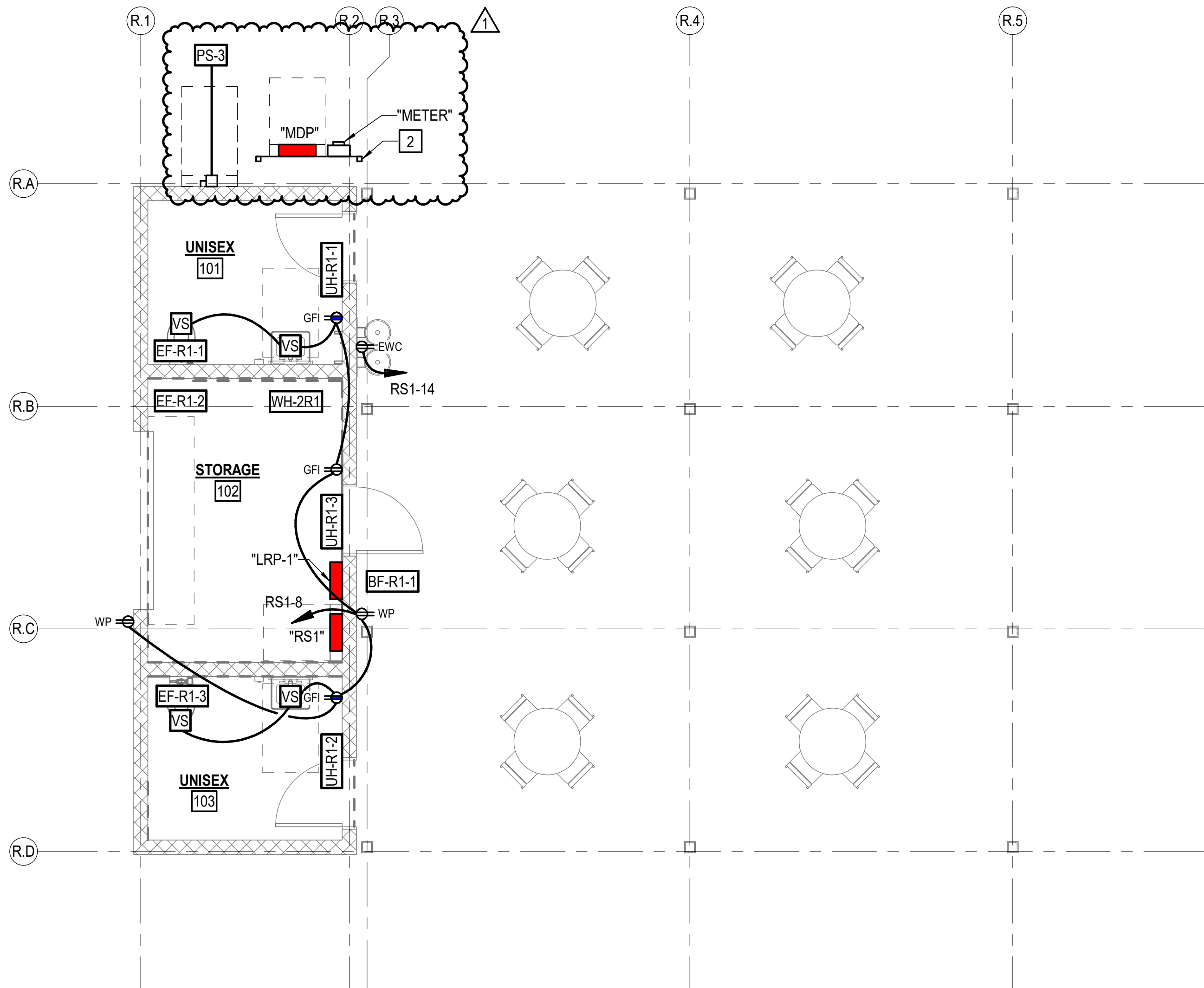
GRAPHIC SCALE(S)



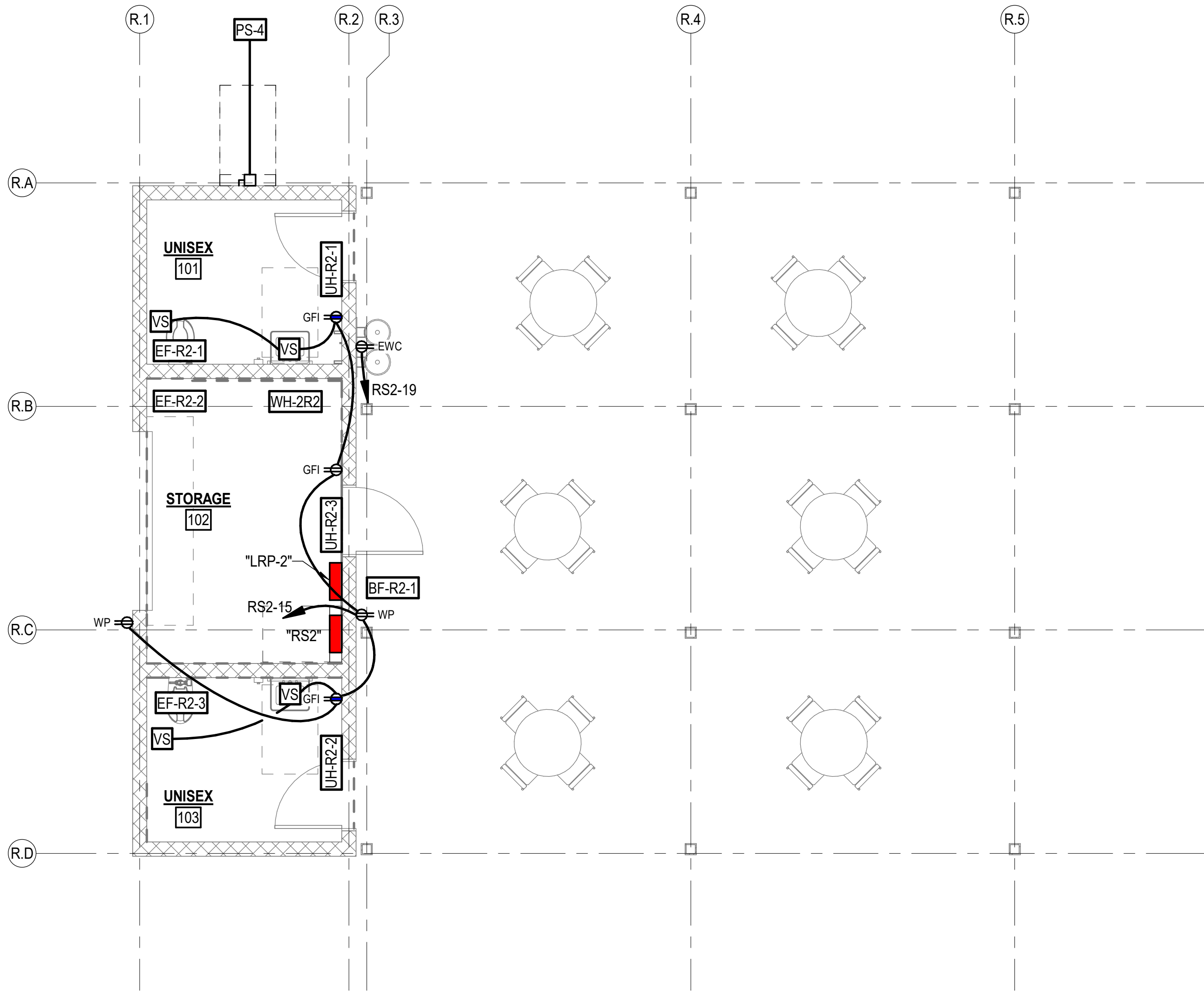
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Drawing Title

POWER AND SS
FLOOR PLAN &
SCHEDULES

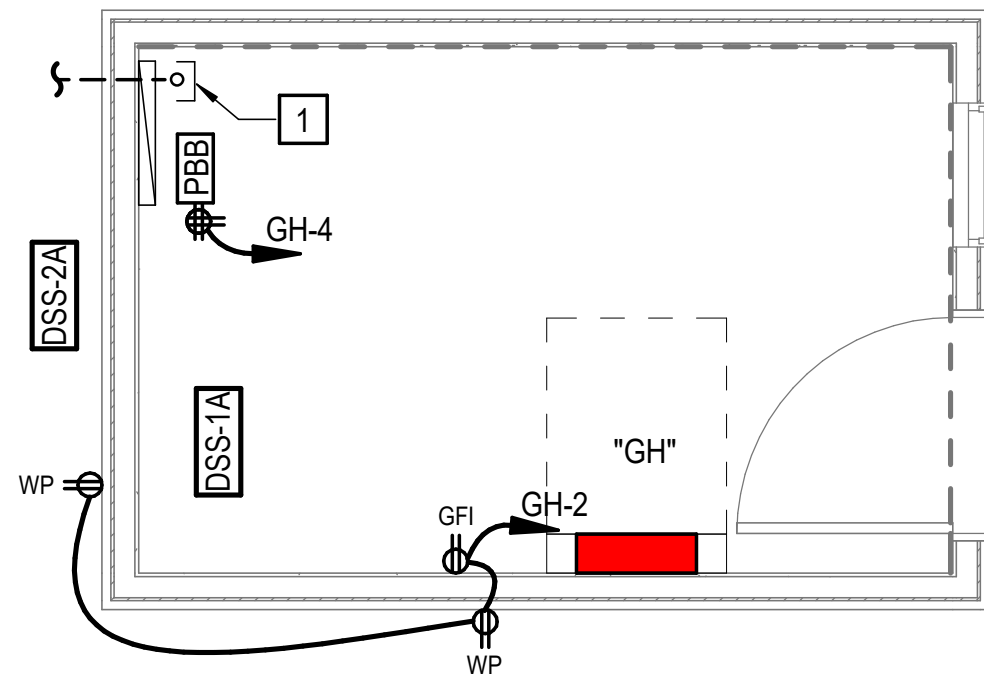
Sheet Number
Of 157
Drawing Number
E-201



 REHAB SHELTER 1 POWER PLAN
SCALE: 1/4" = 1'-0"



 REHAB SHELTER 2 POWER PLAN
SCALE: 1/4" = 1'-0"



 GATEHOUSE POWER AND SPECIAL SYSTEMS PLAN
SCALE: 3/8" = 1'-0"

ELECTRICAL CONNECTION SCHEDULE - REHAB SHELTER 1									
TAG	MCA	KW / HP	FLA	VOLTAGE	Ø	MOCP	CKT	DISCONNECT	NOTES
BF-R1-1	-	1/2 HP	9.8 A	120 V	1Ø	-	RS1-12	30A-2P,NF	1
UH-R1-1	-	-	7.5 A	120 V	1Ø	-	RS1-5	MOTOR RATED SWITCH	1
UH-R1-2	-	-	7.5 A	120 V	1Ø	-	RS1-7	MOTOR RATED SWITCH	1
UH-R1-3	-	-	10.4 A	120 V	1Ø	-	RS1-9	MOTOR RATED SWITCH	1
EF-R1-1	-	-	0.1 A	120 V	1Ø	-	RS1-6	INTEGRAL DISCONNECT	1
EF-R1-2	-	-	0.1 A	120 V	1Ø	-	RS1-10	INTEGRAL DISCONNECT	1
EF-R1-3	-	-	0.2 A	120 V	1Ø	-	RS1-6	INTEGRAL DISCONNECT	1
PS-3	-	2 HP	12 A	240 V	1Ø	-		30A-2P,NF	1
WH-2R1	-	2KW	8.3 A	240 V	1Ø	-	RS1-11,13	30A-2P,NF	1

NOTES:
1. COORDINATE ALL CONNECTIONS TO EQUIPMENT WITH MECHANICAL SUB-CONTRACTOR AND APPROVED SHOP DRAWINGS.

ELECTRICAL CONNECTION SCHEDULE - REHAB SHELTER 2									
TAG	MCA	KW / HP	FLA	VOLTAGE	Ø	MOCP	CKT	DISCONNECT	NOTES
BF-R2-1	-	1/2 HP	9.8 A	120 V	1Ø	-	RS2-18	30A-2P,NF	1
UH-R2-1	-	-	7.5 A	120 V	1Ø	-	RS2-11	MOTOR RATED SWITCH	1
UH-R2-2	-	-	7.5 A	120 V	1Ø	-	RS2-13	MOTOR RATED SWITCH	1
UH-R2-3	-	-	10.4 A	120 V	1Ø	-	RS2-17	MOTOR RATED SWITCH	1
EF-R2-1	-	-	0.1 A	120 V	1Ø	-	RS2-10	INTEGRAL DISCONNECT	1
EF-R2-2	-	-	0.1 A	120 V	1Ø	-	RS2-12	INTEGRAL DISCONNECT	1
EF-R2-3	-	-	0.2 A	120 V	1Ø	-	RS2-10	INTEGRAL DISCONNECT	1
PS-4	-	2 HP	12 A	240 V	1Ø	-		30A-2P,NF	1
WH-2R2	-	2KW	8.3 A	240 V	1Ø	-	RS2-14,16	30A-2P,NF	1

NOTES:
1. COORDINATE ALL CONNECTIONS TO EQUIPMENT WITH MECHANICAL SUB-CONTRACTOR AND APPROVED SHOP DRAWINGS.

ELECTRICAL CONNECTION SCHEDULE - GUARD HOUSE									
TAG	MCA	KW / HP	FLA	VOLTAGE	Ø	MOCP	CKT	DISCONNECT	NOTES
DSS-1A	-	-	1 A	240 V	1Ø	-		30A-2P,NF	1,2
DSS-2A	11	-	8.8 A	240 V	1Ø	28	GH-3,5	30A-2P,NF, 3R	1,2

NOTES:
1. COORDINATE ALL CONNECTIONS TO EQUIPMENT WITH MECHANICAL SUB-CONTRACTOR AND APPROVED SHOP DRAWINGS.
2. INTERCONNECT DSS-1A (INDOOR UNIT) TO DSS-2A (OUTDOOR UNIT) PER MANUFACTURER'S RECOMMENDATIONS

NOTES THIS SHEET

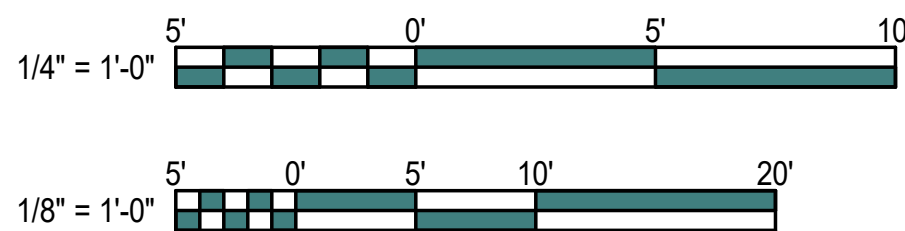
1 (1) 2" C., SCHEDULE 40 PVC WITH PULL STRING TO PULLBOX, REFER TO SITE PLAN, SHEET E-002 FOR ADDITIONAL INFORMATION

2 REFER TO "ELECTRICAL RACK DETAIL" ON SHEET E-501.

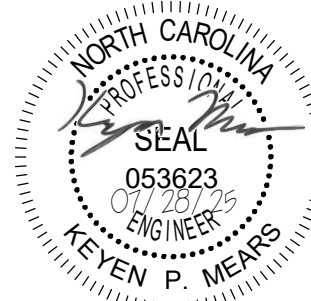
BID ALTERNATES 03 AND 05:

WORK SHOWN ON THIS SHEET IS ASSOCIATED WITH BID ALTERNATES 03 AND 05. REFER TO SHEET G1001 SECTION "ADDITIVE BID ALTERNATES" FOR ADDITIONAL INFORMATION.

GRAPHIC SCALE(S)



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



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BID DOCUMENTS

SCO # 24-27879-01A

Revisions	
No. Date	
1	08/25/2025

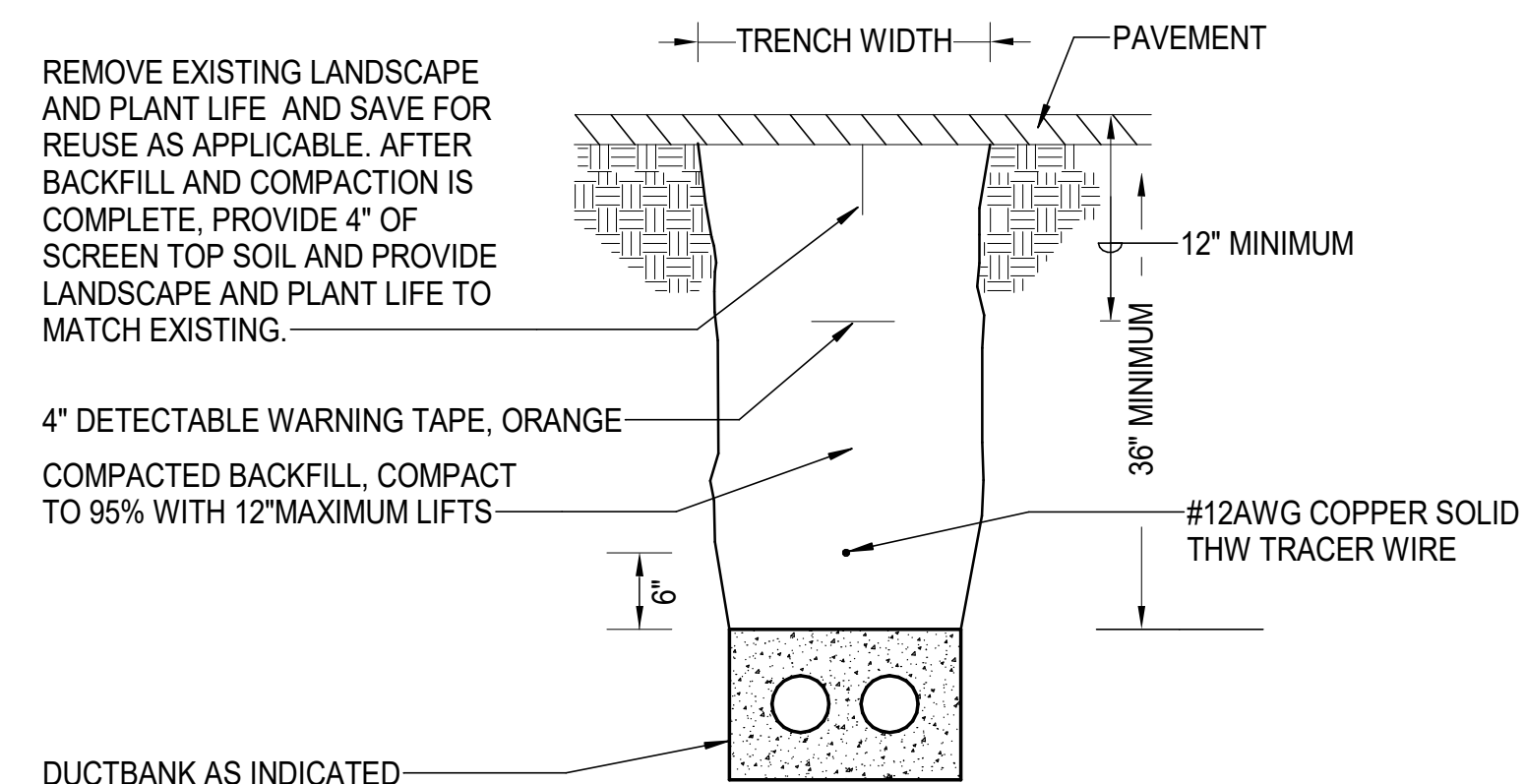
Project Number
2407.SAFE
Date
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Drawing Title

POWER AND SS
FLOOR PLANS &
SCHEDULES

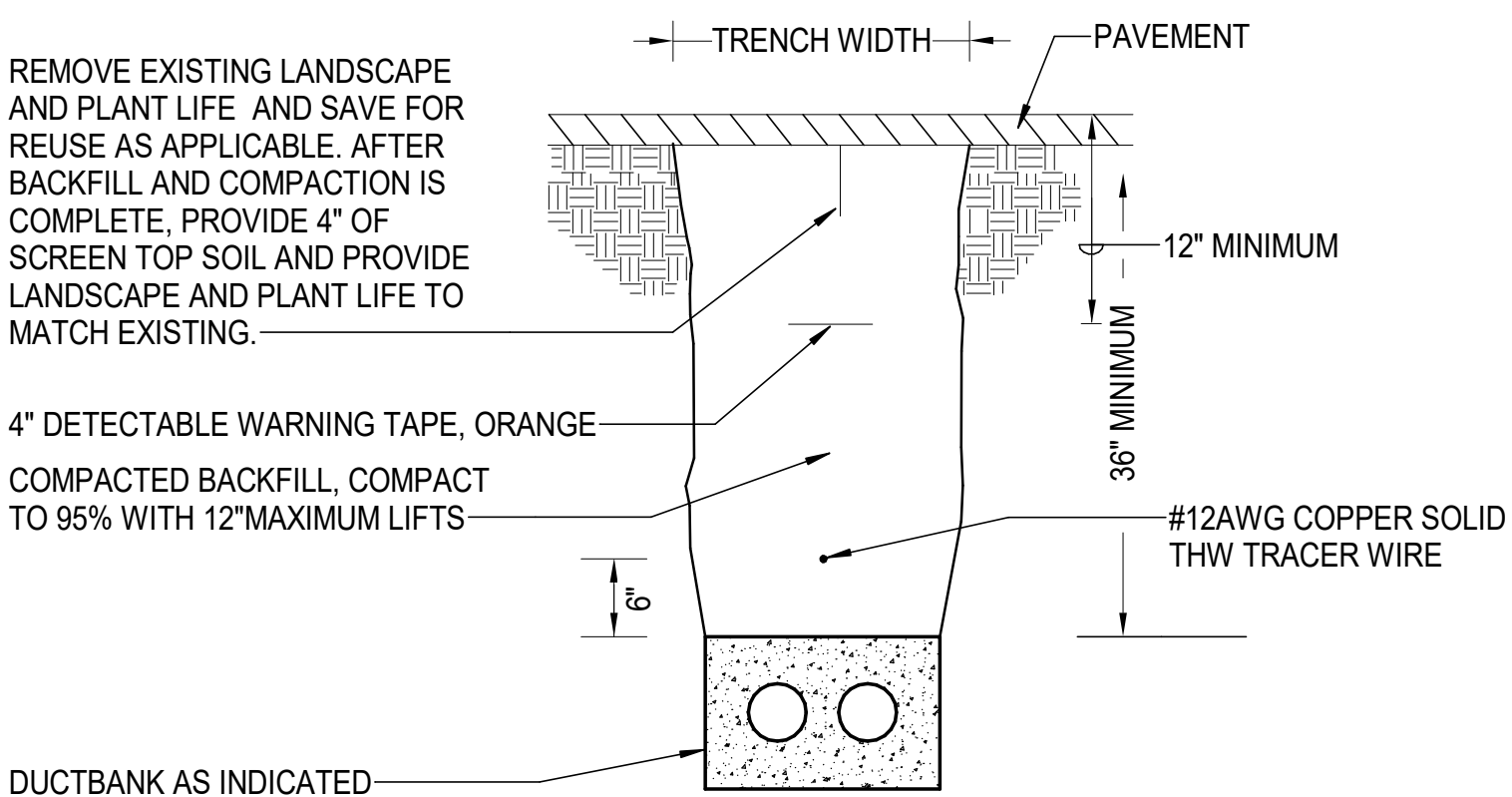
Sheet Number
Of 157

Drawing Number

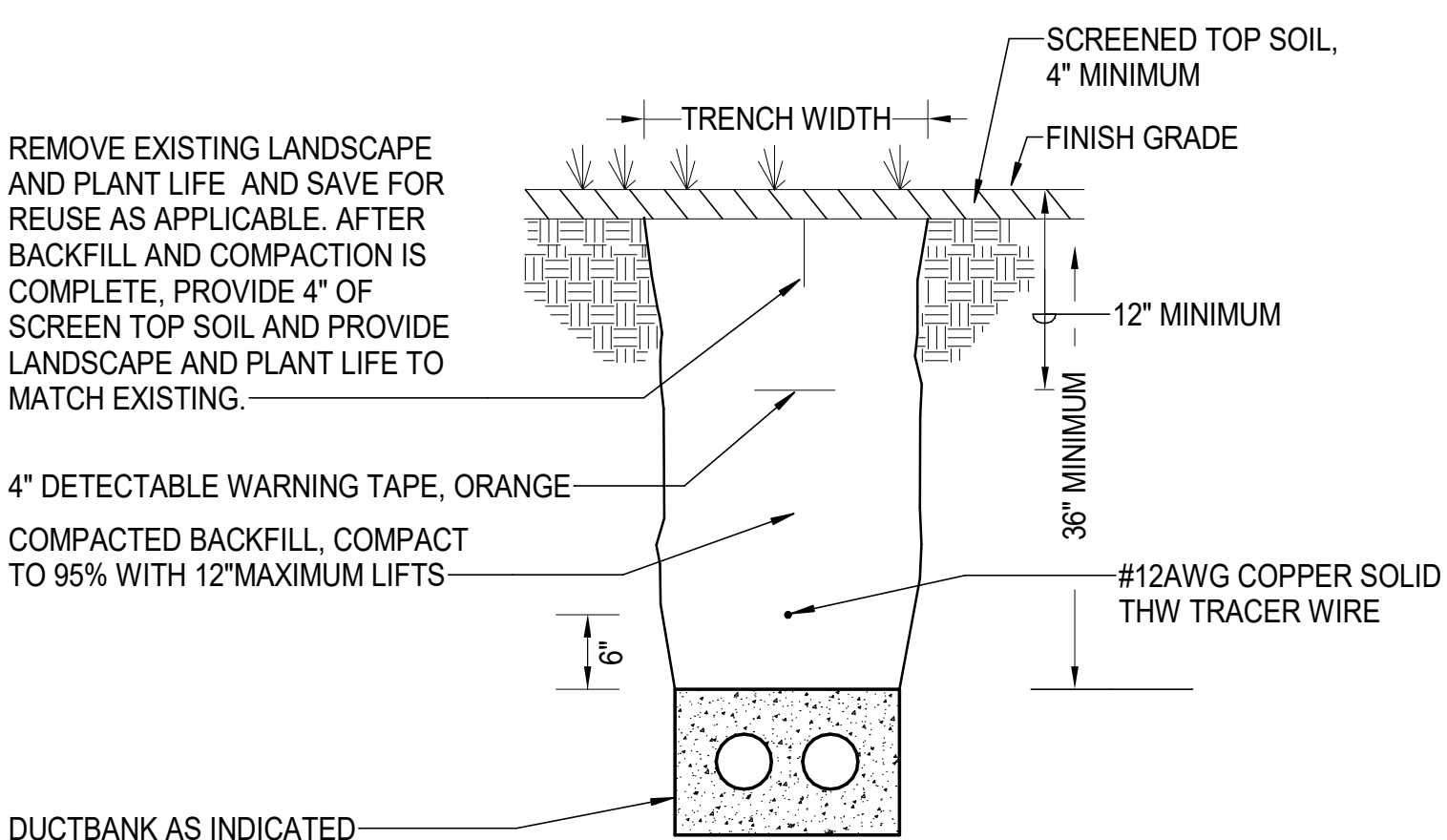
E-202



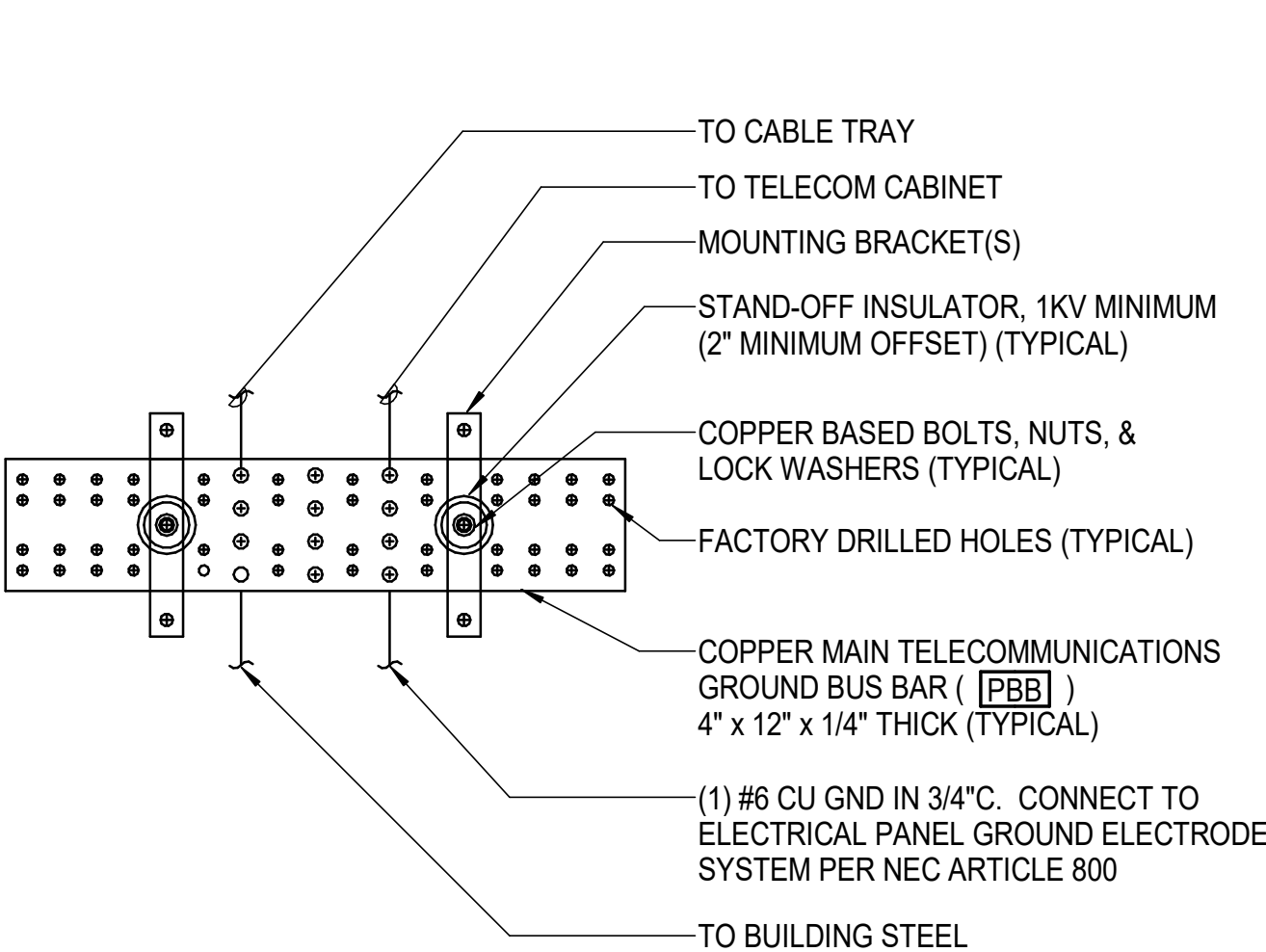
DUCTBANK TRENCH DETAIL TYPE A (PAVEMENT) - COMM



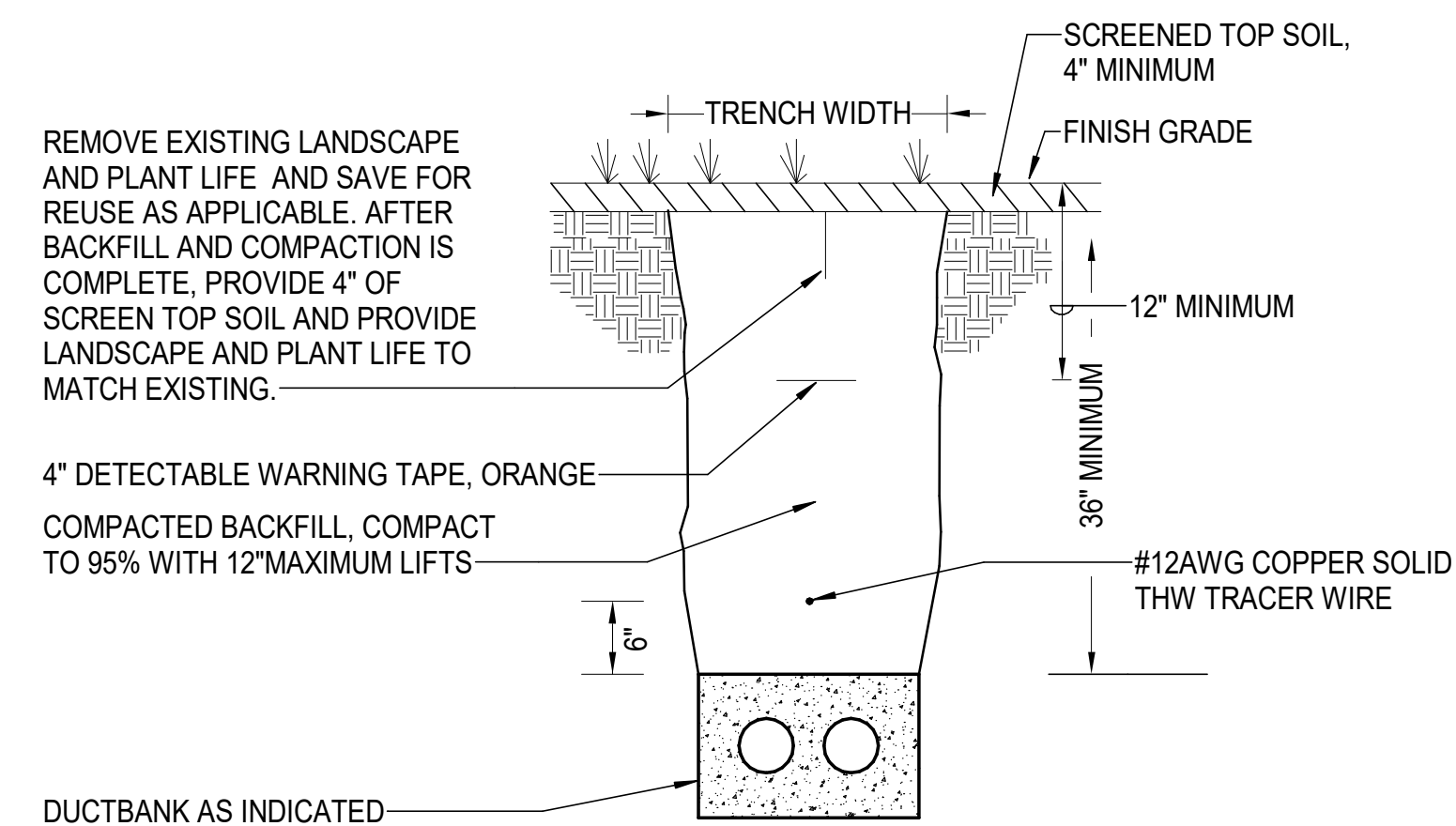
DUCTBANK TRENCH DETAIL TYPE A (PAVEMENT) - POWER
NO SCALE



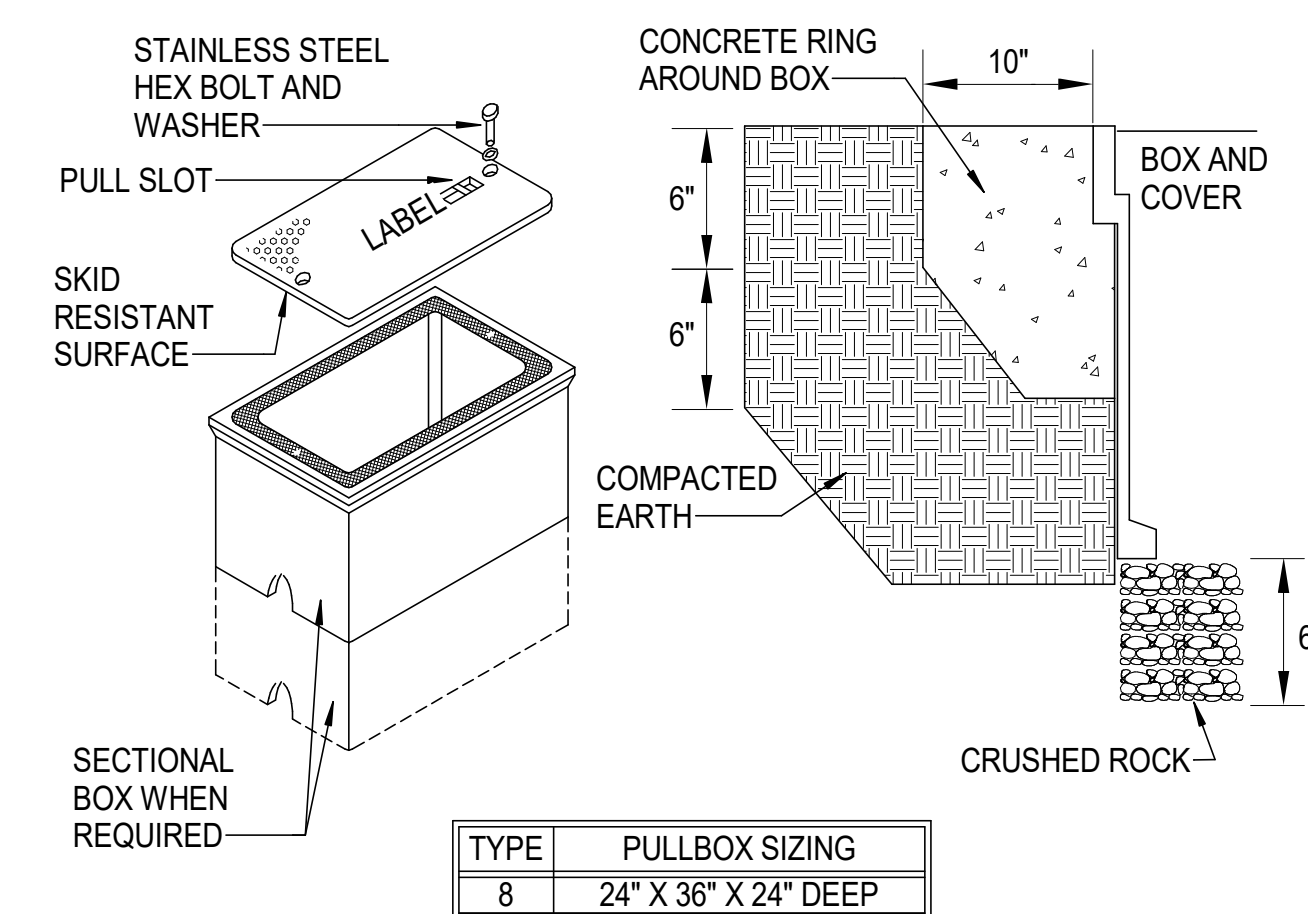
DUCTBANK TRENCH DETAIL TYPE A (SOIL) - POWER
NO SCALE



PRIMARY BONDING BUSBAR



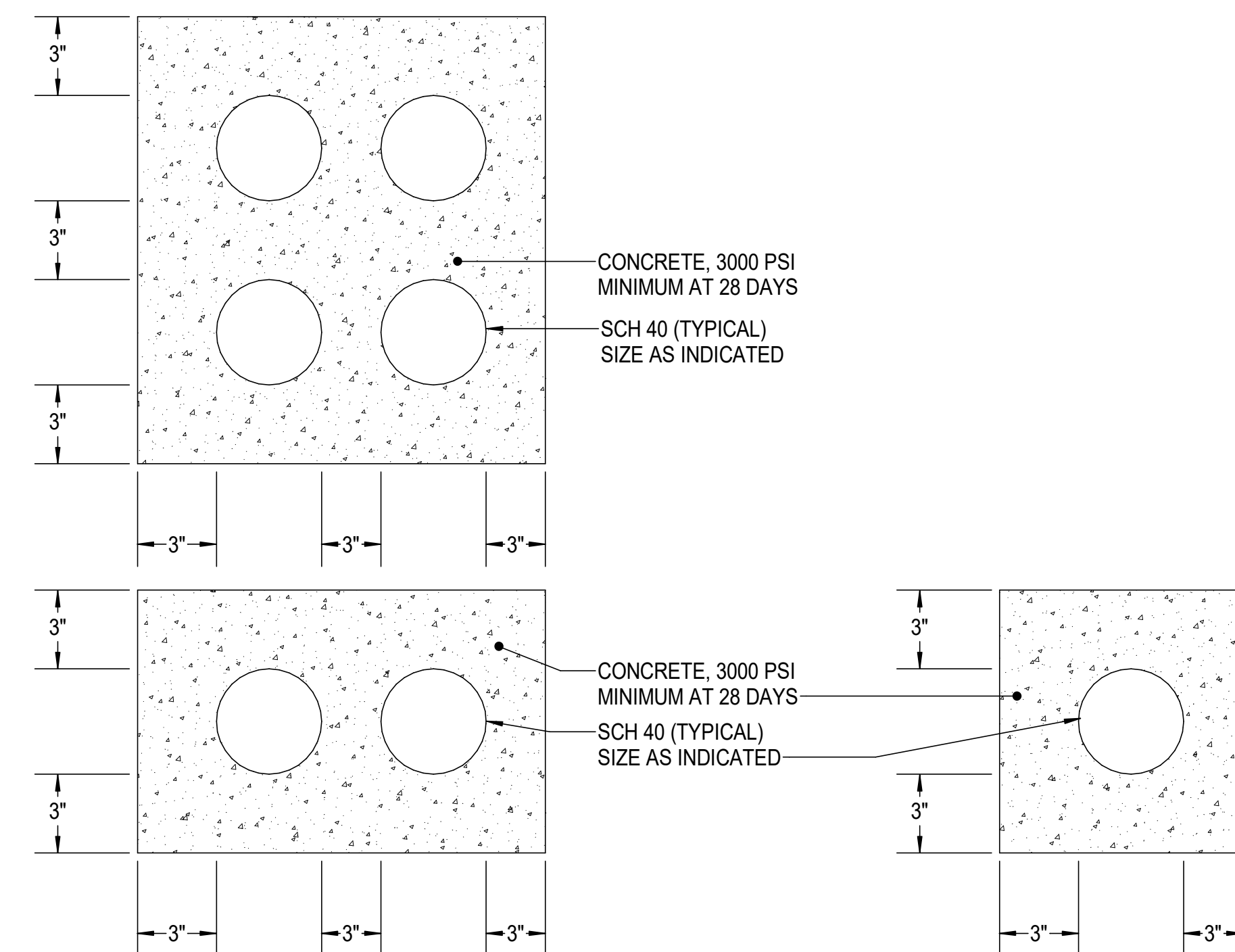
DUCTBANK TRENCH DETAIL TYPE A (SOIL) - COMM



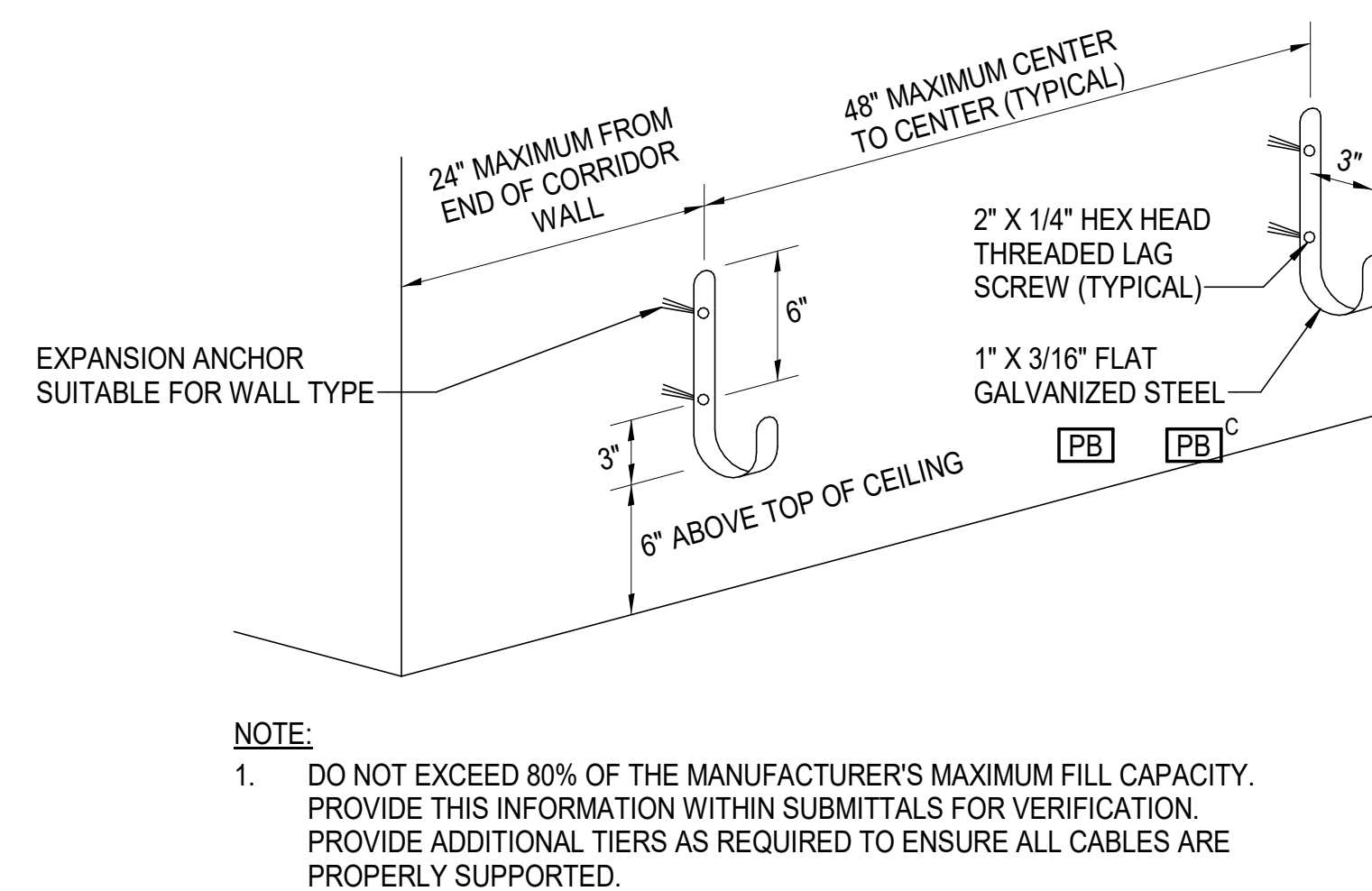
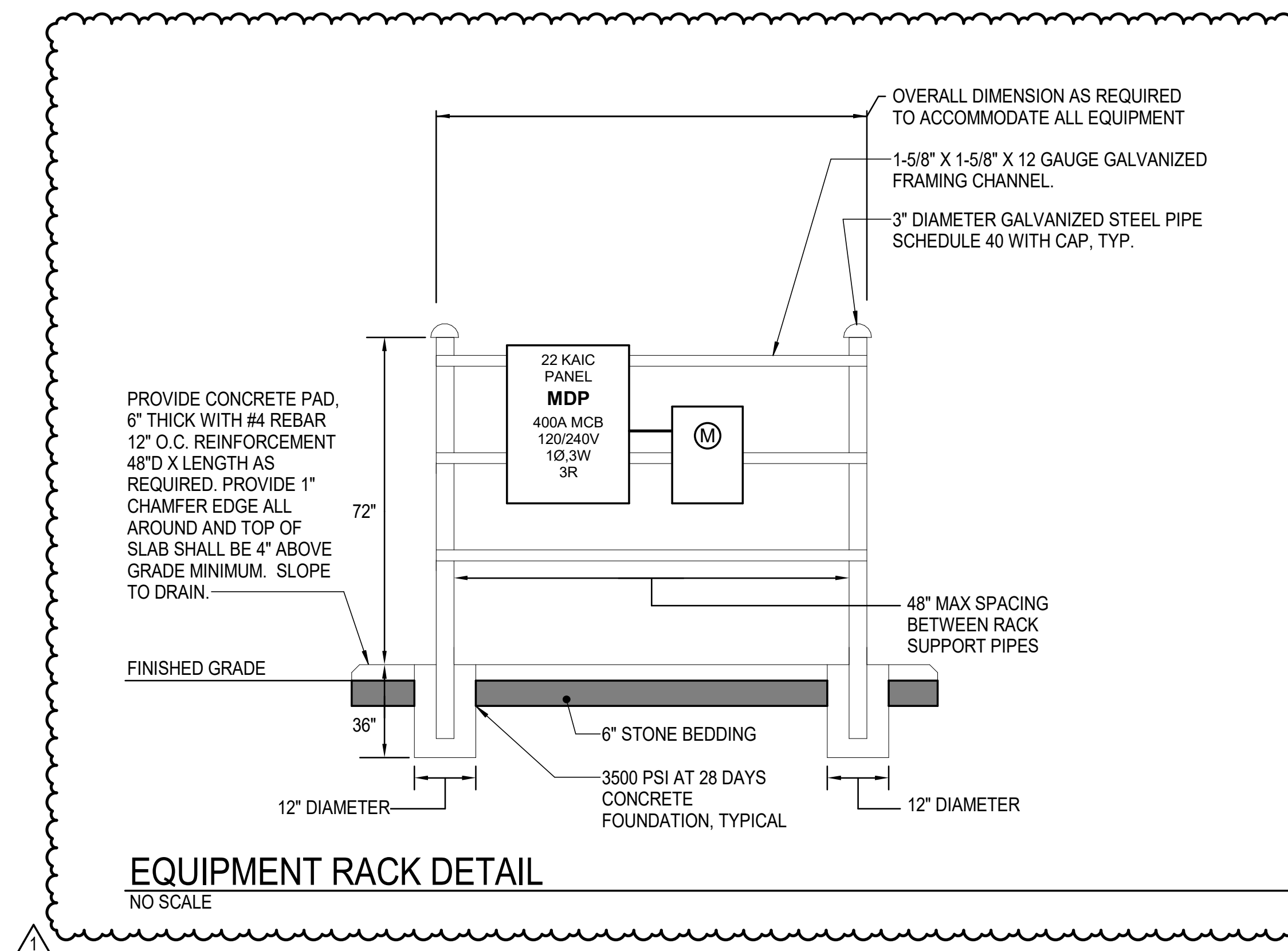
PULLBOX REQUIREMENTS:

1. NOMINAL INSIDE DIMENSIONS: (18"W X 30L") X 24"D (BOX EXTENSIONS ARE ACCEPTABLE AS NECESSARY TO OBTAIN REQUIRED DEPTH).
2. CONSTRUCTED OF POLYMER CONCRETE OR REINFORCED FIBERGLASS.
3. LOAD DESIGN: 8000 LB LOAD OVER A 10" SQUARE.
4. STANDARD GREEN COLOR.

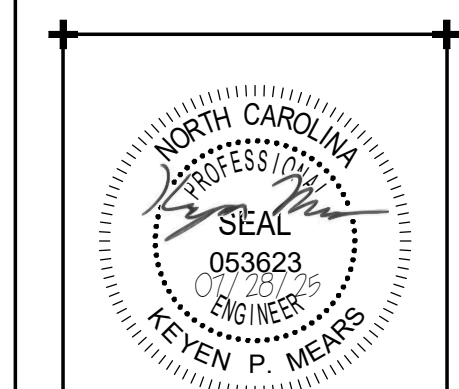
PULLBOX DETAIL ESR
NO SCALE



DUCTBANK DETAILS



J-HOOK CABLE MANAGEMENT DETAIL



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Project Number	Date
2407.SAFE	07/28/23
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Drawing Title	

DETAILS

Sheet Number
Of 157

Drawing Number

Drawing Number

E-501

PANELBOARD RMDP SCHEDULE															
SEE POWER RISER DIAGRAM FOR RATINGS															
LOAD SERVED	BRK TRP	NO. POLES	CKT NO.	WIRE AND CONDUIT SIZE	A	B	C	A	B	C	WIRE AND CONDUIT SIZE	CKT NO.	NO. POLES	BRK TRP	LOAD SERVED
R2	50 A	3	1	- SEE RISER DIAGRAM -	26.5 A			11.2 A			3-#12, 1-#12 GND - 1/2"	2	3	20 A	RTU-1
			3			24.4 A			11.2 A			4			
			5				22.9 A			11.2 A					
RTU-2	15 A	3	7	3-#12, 1-#12 GND - 1/2"	8.8 A			183 A			3-#3/0, 1-#6 GND - 2"C	8	3	200 A	MAU-1
			9			8.8 A			183 A			10			
			11				8.8 A			183 A					
EF-1-RANGE	150 A	3	13	3-#1/0, 1-#6 GND - 1-1/4"	77 A			0 A			--	14	1	20 A	SPARE
			15			77 A		0 A		--	16	1	20 A	SPARE	
			17					0 A		--	18	1	20 A	SPARE	
DCU-1	20 A	3	19	3-#12, 1-#12 GND - 1/2"	7.6 A			0 A			--	20	1	20 A	SPARE
			21			7.6 A		0 A		--	22	1	20 A	SPARE	
			23				7.6 A		0 A		--	24	1	20 A	SPARE
SPARE	20 A	1	25	--	0 A			0 A			--	26	1	20 A	SPARE
SPARE	20 A	1	27	--		0 A			0 A		--	28	1	20 A	SPARE
SPARE	20 A	1	29	--			0 A			0 A	--	30	1	20 A	SPARE
SPARE	20 A	1	31	--	0 A			0 A			--	32	1	20 A	SPARE
SPARE	20 A	1	33	--		0 A			0 A		--	34	1	20 A	SPARE
SPARE	20 A	1	35	--			0 A			0 A	--	36	1	20 A	SPARE
SPARE	20 A	1	37	--	0 A			0 A			--	38	1	20 A	SPARE
SPARE	20 A	1	39	--		0 A			0 A		--	40	1	20 A	SPARE
SPARE	20 A	1	41	--			0 A			0 A	--	42	1	20 A	SPARE
TOTAL CONNECTED AMPS: A: 314.1 A B: 312 A C: 310.5 A															
Load Classification				Connected Load		Demand Factor		Estimated Demand		Panel Totals					
AIR CONDITIONING				16620 VA		100.00%		16620 VA		Total Conn. Load: 259323 VA Total Est. Demand: 259947 VA Total Conn. Current: 311.9 A Total Est. Demand Current: 312.7 A					
EXTERIOR LIGHTING				136 VA		125.00%		170 VA							
LIGHTING				2360 VA		125.00%		2950 VA							
MISCELLANEOUS				230859 VA		100.00%		230859 VA							
RECEPTACLES				8460 VA		100.00%		8460 VA							
VENTILATION				888 VA		100.00%		888 VA							
Notes:															

PANELBOARD R2 SCHEDULE															
SEE POWER RISER DIAGRAM FOR RATINGS															
LOAD SERVED	BRK TRP	NO. POLES	CKT NO.	WIRE AND CONDUIT SIZE	A	B	C	A	B	C	WIRE AND CONDUIT SIZE	CKT NO.	NO. POLES	BRK TRP	LOAD SERVED
LIGHTING	20 A	1	1	1-#10, 1-#10, 1-#10 GND - 1/2"	8.8 A			7.9 A			1-#12, 1-#12, 1-#12 GND - 1/2"	2	1	20 A	RECEPTACLES
RANGE LIGHTING	20 A	1	3	1-#12, 1-#12, 1-#12 GND - 3/4"		4.7 A			10.5 A		1-#12, 1-#12, 1-#12 GND - 1/2"	4	1	20 A	RECEPTACLES
RECEPTACLES	20 A	1	5	1-#12, 1-#12, 1-#12 GND - 1/2"			9 A			6 A	1-#12, 1-#12, 1-#12 GND - 1/2"	6	1	20 A	RECEPTACLES
RECEPTACLES	20 A	1	7	1-#12, 1-#12, 1-#12 GND - 1/2"	7.5 A			6 A			1-#12, 1-#12, 1-#12 GND - 1/2"	8	1	20 A	RECEPTACLES
RECEPTACLES	20 A	1	9	1-#12, 1-#12, 1-#12 GND - 1/2"		6 A			1.5 A		1-#12, 1-#12, 1-#12 GND - 1/2"	10	1	20 A	COPIER / PRINTER
EF-1	20 A	1	11	1-#12, 1-#12, 1-#12 GND - 1/2"			3 A			3 A	1-#12, 1-#12, 1-#12 GND - 1/2"	12	1	20 A	ROOFTOP RECEPTACLES
EF-2	20 A	1	13	1-#12, 1-#12, 1-#12 GND - 1/2"	4.4 A			1 A			1-#12, 1-#12, 1-#12 GND - 1/2"	14	1	20 A	GUH-1
WH-1	20 A	2	15	2-#12, 1-#12 GND - 1/2"		14.4 A			6 A		1-#10, 1-#10, 1-#10 GND - 1/2"	16	1	20 A	RECEPTACLES
			17				14.4 A			1.1 A	1-#12, 1-#12, 1-#12 GND - 1/2"	18	1	20 A	EXTERIOR LIGHTING
DYNAMIC RANGE MOVER PRO	20 A	2	19	2-#12, 1-#12 GND - 1/2"	10 A			1.5 A			1-#12, 1-#12, 1-#12 GND - 1/2"	20	1	20 A	RECEPTACLES ^
DDC PANEL	20 A	1	21			10 A			6 A		1-#10, 1-#10, 1-#10 GND - 1/2"	22	1	20 A	RECEPTACLES
RANGE LIGHTING	20 A	1	23	1-#10, 1-#10, 1-#10 GND - 1/2"			6.2 A			13.8 A	2-#12, 1-#12 GND - 1/2"	24	2	20 A	PS-1
DDC PANEL	20 A	1	25	1-#12, 1-#12, 1-#12 GND - 1/2"	3 A							26			
SPARE	20 A	1	27	--		0 A			0 A		--	28	1	20 A	SPARE
SPARE	20 A	1	29	--			0 A			0 A	--	30	1	20 A	SPARE
SPARE	20 A	1	31	--	0 A			0 A			--	32	1	20 A	SPARE
SPARE	20 A	1	33	--		0 A			0 A		--	34	1	20 A	SPARE
SPARE	20 A	1	35	--			0 A			0 A	--	36	1	20 A	SPARE
SPARE	20 A	1	37	--	0 A			0 A			--	38	1	20 A	SPARE
SPARE	20 A	1	39	--		0 A			0 A		--	40	1	20 A	SPARE
SPARE	20 A	1	41	--			0 A			0 A	--	42	1	20 A	SPARE
TOTAL CONNECTED AMPS:					A: 61.3 A		B: 56.3 A		C: 52.8 A						
Load Classification				Connected Load		Demand Factor		Estimated Demand		Panel Totals					
EXTERIOR LIGHTING				136 VA		125.00%		170 VA							
LIGHTING				2360 VA		125.00%		2950 VA		Total Conn. Load: 20327 VA					
MISCELLANEOUS				8483 VA		100.00%		8483 VA		Total Est. Demand: 20951 VA					
RECEPTACLES				8460 VA		100.00%		8460 VA		Total Conn. Current: 56.4 A					
VENTILATION				888 VA		100.00%		888 VA		Total Est. Demand Current: 58.2 A					
Notes:															
* ^ * PROVIDE GFI TYPE CIRCUIT BREAKER AND CONNECT LOAD.															

PANELBOARD RS1 SCHEDULE														
SEE POWER RISER DIAGRAM FOR RATINGS														
LOAD SERVED	BRK TRP	NO. POLES	CKT NO.	WIRE AND CONDUIT SIZE	A	B	A	B	WIRE AND CONDUIT SIZE	CKT NO.	NO. POLES	BRK TRP	LOAD SERVED	
SITE LIGHTING	20 A	2	1,3	2-#10, 1-#10 GND - 1" C	2.9 A	2.9 A	0 A	0 A	2-#12, 1-#12 GND - 1" C	2,4	2	20 A	SITE LIGHTING	
UH-R1-1	20 A	1	5	1-#12, 1-#12, 1-#12 GND - 1/2"	7.5 A		1.1 A		1-#12, 1-#12, 1-#12 GND - 1/2"	6	1	20 A	LIGHTING, EF-R1-1,3	
UH-R1-2	20 A	1	7	1-#12, 1-#12, 1-#12 GND - 1/2"		7.5 A		7.9 A	1-#12, 1-#12, 1-#12 GND - 1/2"	8	1	20 A	REC	
UH-R1-3	20 A	1	9	1-#12, 1-#12, 1-#12 GND - 1/2"	10.4 A		0.1 A		1-#12, 1-#12, 1-#12 GND - 1/2"	10	1	20 A	EF-R1-2	
WH-2R1	20 A	2	11,13	2-#12, 1-#12 GND - 1/2"		8.3 A	8.3 A	9.8 A	1-#12, 1-#12, 1-#12 GND - 1/2"	12	1	20 A	BF-R1-1	
						8.3 A	8 A		1-#12, 1-#12, 1-#12 GND - 1/2"	14	1	20 A	EWC ^	
SPARE	20 A	1	15	--		0 A		0 A	2-#12, 1-#12 GND - 1" C	16,18	2	20 A	PS-3	
SPARE	20 A	1	17	--	0 A		0 A	0 A					20 A	
SPARE	20 A	1	19	--		0 A	0 A	0 A	--	20	1	20 A	SPARE	
SPARE	20 A	1	21	--	0 A		0 A		--	22	1	20 A	SPARE	
SPARE	20 A	1	23	--		0 A	0 A	0 A	--	24	1	20 A	SPARE	
SPARE	20 A	1	25	--	0 A		0 A		--	26	1	20 A	SPARE	
SPARE	20 A	1	27	--		0 A	0 A	0 A	--	28	1	20 A	SPARE	
SPARE	20 A	1	29	--	0 A		0 A		--	30	1	20 A	SPARE	
SPARE	20 A	1	31	--		0 A	0 A	0 A	--	32	1	20 A	SPARE	
SPARE	20 A	1	33	--	0 A		0 A		--	34	1	20 A	SPARE	
SPARE	20 A	1	35	--		0 A	0 A	0 A	--	36	1	20 A	SPARE	
SPARE	20 A	1	37	--	0 A		0 A		--	38	1	20 A	SPARE	
SPARE	20 A	1	39	--		0 A	0 A	0 A	--	40	1	20 A	SPARE	
SPARE	20 A	1	41	--	0 A		0 A		--	42	1	20 A	SPARE	
TOTAL CONNECTED AMPS: A: 38.4 A B: 36.4 A														
Load Classification				Connected Load	Demand Factor			Estimated Demand			Panel Totals			
EXTERIOR LIGHTING				700 VA	125.00%			875 VA						
HEATING				4226 VA	100.00%			4226 VA			Total Conn. Load: 8973 VA			
LIGHTING				94 VA	125.00%			118 VA			Total Est. Demand: 9172 VA			
MISCELLANEOUS				2040 VA	100.00%			2040 VA			Total Conn. Current: 37.4 A			
PANELS				0 VA	0.00%			0 VA			Total Est. Demand Current: 38.2 A			
RECEPTACLES				1860 VA	100.00%			1860 VA						
VENTILATION				53 VA	100.00%			53 VA						
Notes:														
* ^ * PROVIDE GFI TYPE CIRCUIT BREAKER AND CONNECT LOAD.														