

CHEMEKETA AGRICULTURAL AND HORTICULTURAL COMPLEX

February 2024

PROJECT TEAM

STRUCTURAL ENGINEERS

IAN WATT
WATTI@OREGONSTATE.EDU
NIC BOLIN
BOLINN@OREGONSTATE.EDU

GEOTECHNICAL ENGINEER

WILL LANE
LANEWIL@OREGONSTATE.EDU

WATER RESOURCE ENGINEER

WYATT SHERWOOD
SHERWOOW@OREGONSTATE.EDU

BUILDING ENVELOPE DESIGN

ANASTASIIA EVSEEVA
EVSEEVAA@OREGONSTATE.EDU

MECHANICAL SYSTEMS DESIGN

ZACH HARRISON
HARRISOZ@OREGONSTATE.EDU

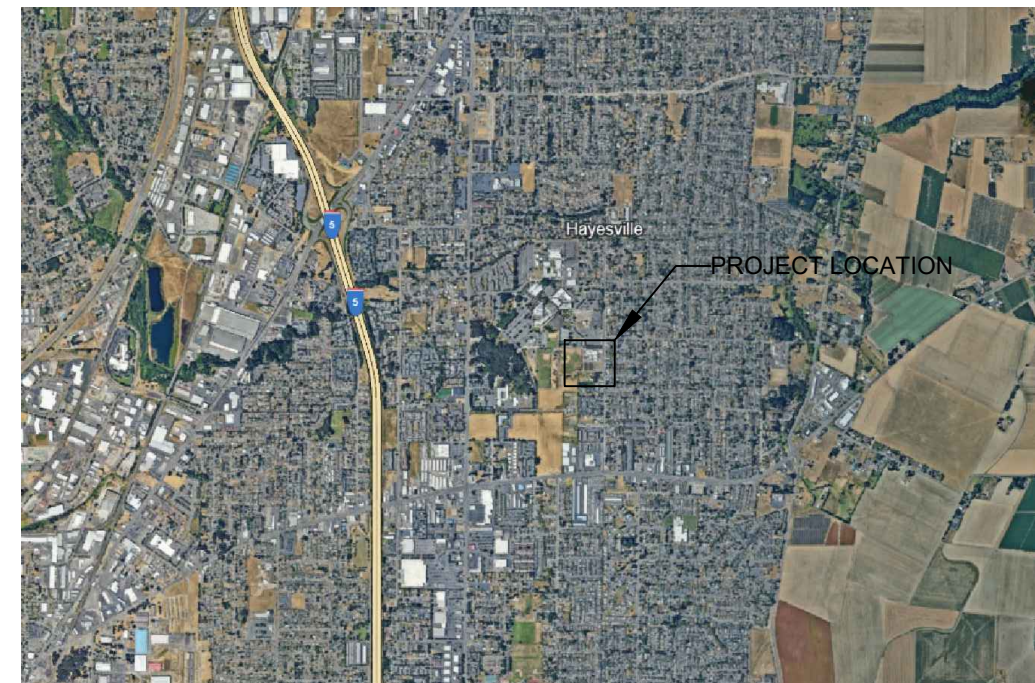
CLIENT

CHEMEKETA COMMUNITY COLLEGE

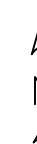
4000 Lancaster Dr NE,
Salem, OR 97305



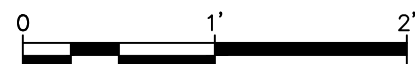
SITE MAP
1"=400'



VICINITY MAP
1"=1000'



NOTICE



IF THIS BAR DOES NOT MEASURE 1"
THEN DRAWING IS NOT TO SCALE

WMS
DESIGNED
WMS
DRAWN
--
CHECKED

CE 418
CE PROFESSIONAL PRACTICE
TEAM: CA1



D. G. E.



COVER SHEET

SCALE: NOT TO SCALE DATE: 5/19/2024

SHEET

G-000

1 OF 19

SHEET INDEX

GENERAL

G-000 COVER SHEET
 G-001 SHEET INDEX AND SYMBOLS
 G-002 GENERAL NOTES

CIVIL

C-001 EXISTING CONDITIONS
 C-002 PROPOSED SITE PLAN
 C-003 GRADING AND STORM DRAIN PLAN
 C-004 SANITARY SEWER AND WATER PLAN
 C-005 DETAILS

ARCHITECTURE

A-001 FLOOR PLAN
 A-002 DETAILS

STRUCTURAL

S-001 FOUNDATION PLAN
 S-002 FRAMING PLAN
 S-003 ELEVATIONS
 S-004 DETAILS

MECHANICAL

M-001 DUCT PLAN
 M-002 ZONE PLAN
 M-003 ROOF PLAN
 M-004 SCHEDULE

ISSUE LOG

WINTER SPRING









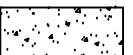
	WINTER	SPRING
X	X	X
X	X	X
X	X	X
X	X	X
X	X	X
X	X	X
-	-	X
-	-	X
-	-	X
-	-	X
-	-	X
-	-	X
-	-	X
-	-	X
-	-	X
-	-	X

ISSUE LOG KEY

'X' ISSUED AS PART OF A SET
 '-' NOT A PART OF ISSUED SET

SYMBOLS

STORM MANHOLE	⊙
SEWER MANHOLE	⊕
UTILITY POLE	⌚
EXISTING HYDRANT	⊙
SECTION CUT	⊕
REVISION NOTE	⊗
BASIN DRAIN	⊕
NORTH ARROW	↑ N ↓
KEYNOTE	⊗
ELEVATION	⊕
TREE	●

GRAVEL	
SAND	
BRICK	
EARTH	
GLASS	
GRASS	
GRATE	
STEEL	
CONCRETE	

GENERAL
1

STRUCTURAL
1

GEOTECHNICAL
1

ARCHITECTURE
1

DRAWING CRITERIA
1

CIVIL
1

MECHANICAL
1

STORMWATER

MATERIAL SPECIFICATIONS
1

MISC.
1

SS – Sanitary Sewer
SD – Storm Drain
W – Water
GAS – Gas
ELEC – Electrical

NOTICE



IF THIS BAR DOES NOT MEASURE 1"
THEN DRAWING IS NOT TO SCALE

WMS
DESIGNED
WMS
DRAWN
--
CHECKED

CE 418
CE PROFESSIONAL PRACTICE
TEAM: CA1



D. G. E.



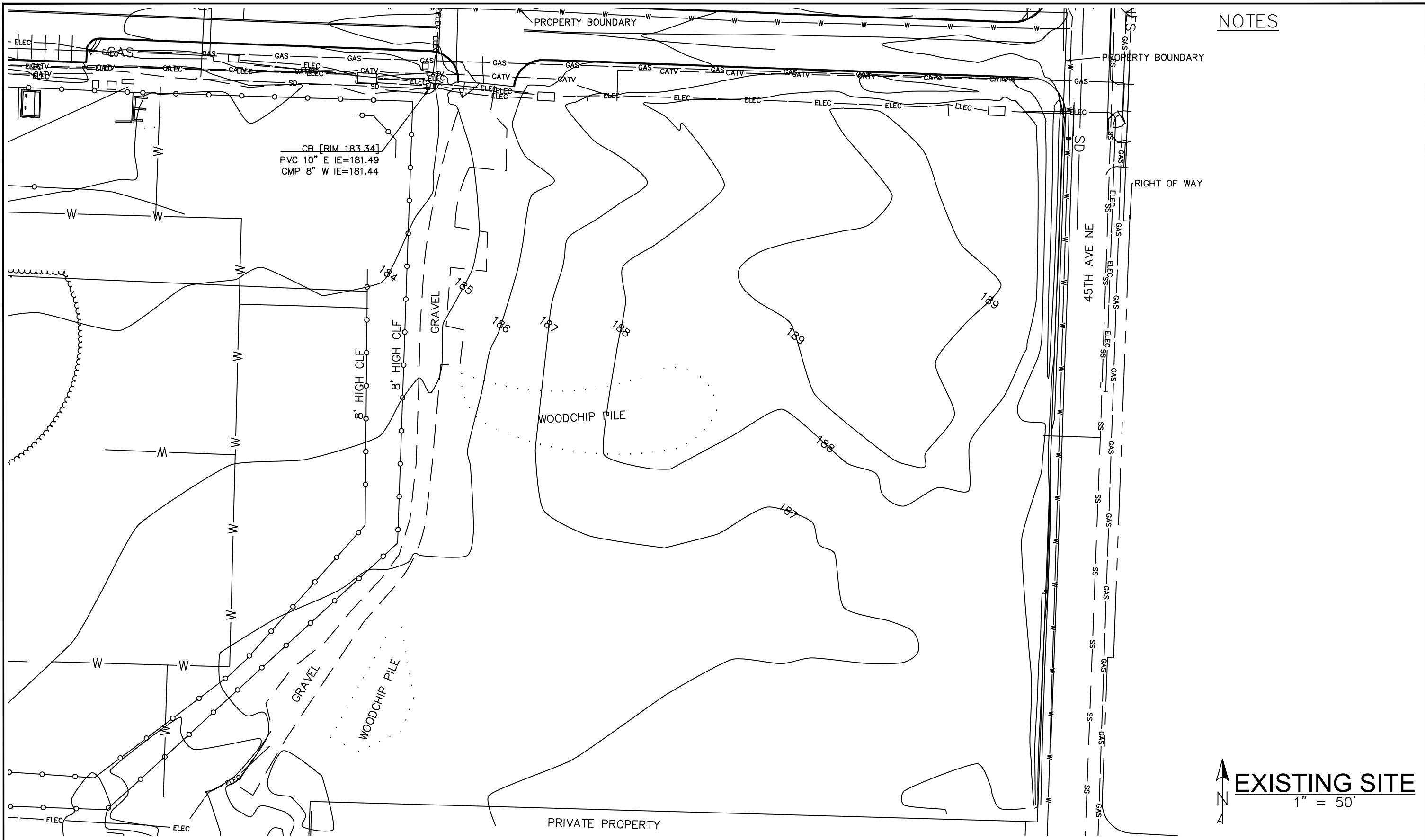
GENERAL NOTES

SCALE: NOT TO SCALE | DATE: 5/19/2024

SHEET

G-002

3 OF 19



NOTES

CB [RIM 183.34]
 PVC 10" E IE=181.49
 CMP 8" W IE=181.44

EXISTING SITE
 1" = 50'

NOTICE

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

WMS DESIGNED
 WMS DRAWN
 -- CHECKED

CE 418
 CE PROFESSIONAL PRACTICE
 TEAM: CA1

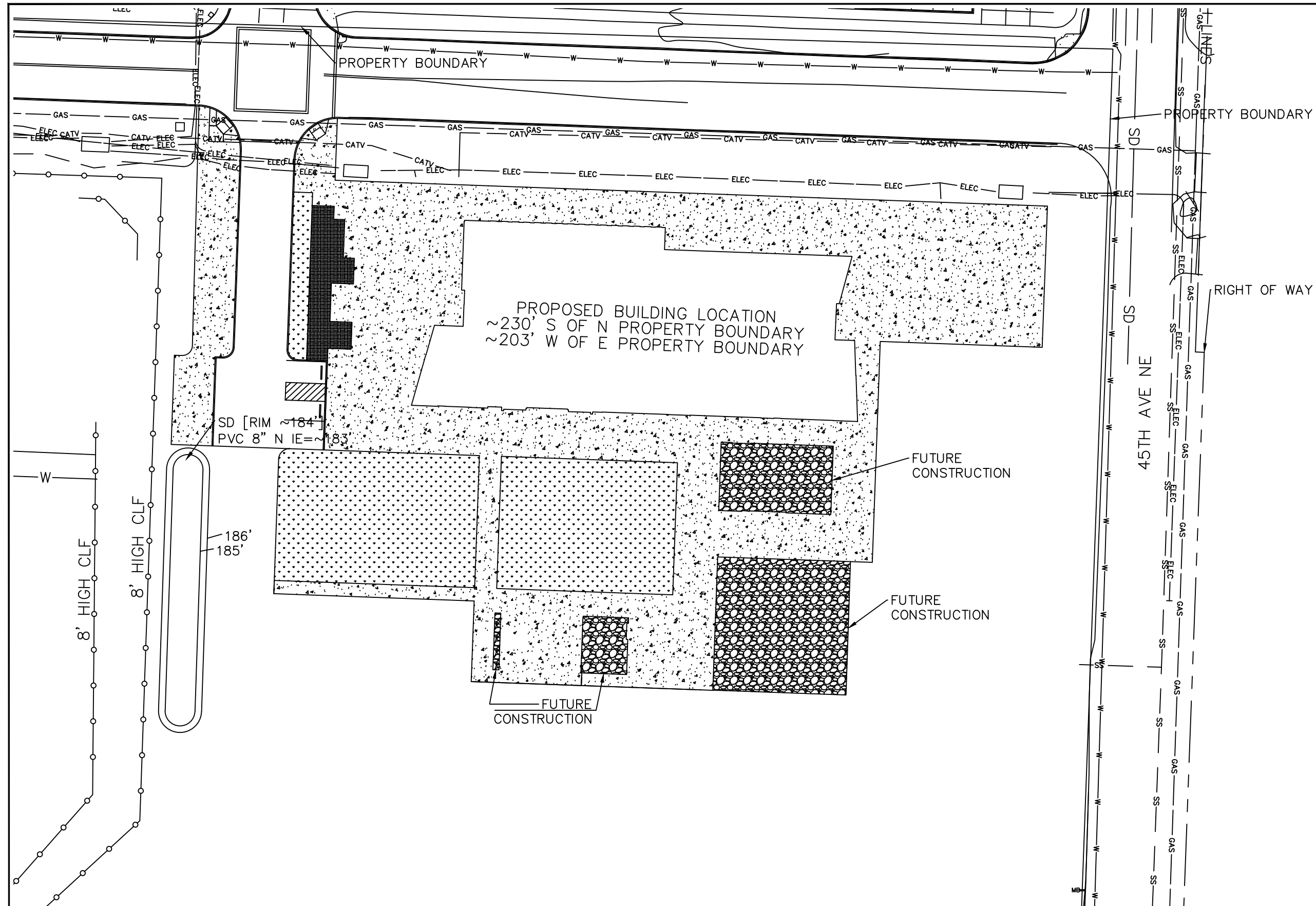


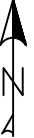
EXISTING CONDITIONS


SCALE: 1"=50' DATE: 5/19/2024

SHEET
 C-001
 4 OF 19

NOTES




SITE PLAN
 1" = 50'

NOTICE

 IF THIS BAR DOES NOT MEASURE 1"
 THEN DRAWING IS NOT TO SCALE

WMS
 DESIGNED
 WMS
 DRAWN
 --
 CHECKED

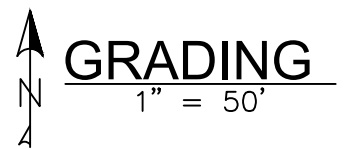
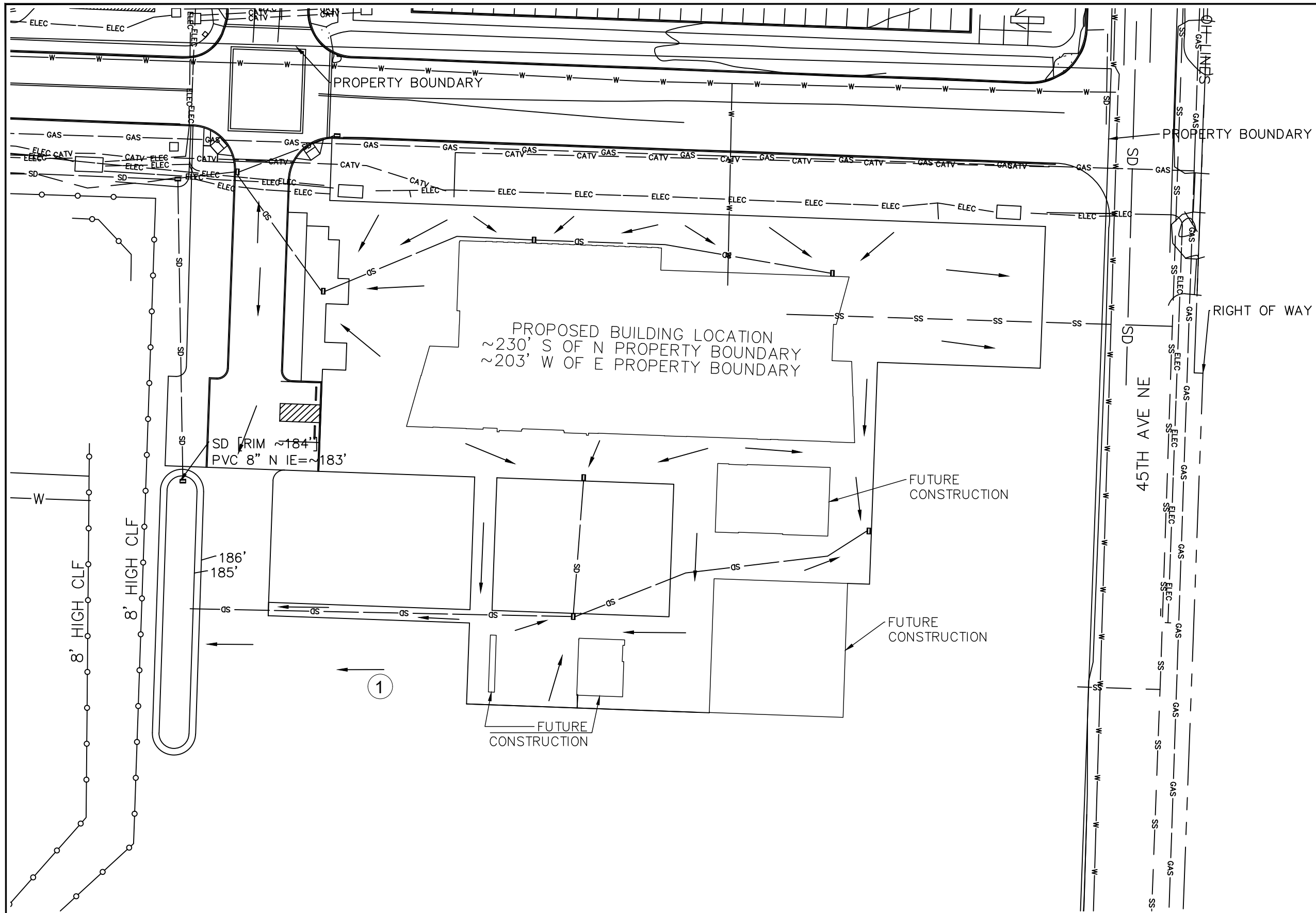
CE 418
 CE PROFESSIONAL PRACTICE
 TEAM: CA1



PROPOSED SITE PLAN
 SCALE: NOT TO SCALE DATE: 5/19/2024

SHEET
 C-002
 5 OF 19

NOTES



NOTICE

IF THIS BAR DOES NOT MEASURE 1"
THEN DRAWING IS NOT TO SCALE

WMS
DESIGNED

WMS
DRAWN

--
CHECKED

CE 418
CE PROFESSIONAL PRACTICE
TEAM: CA1



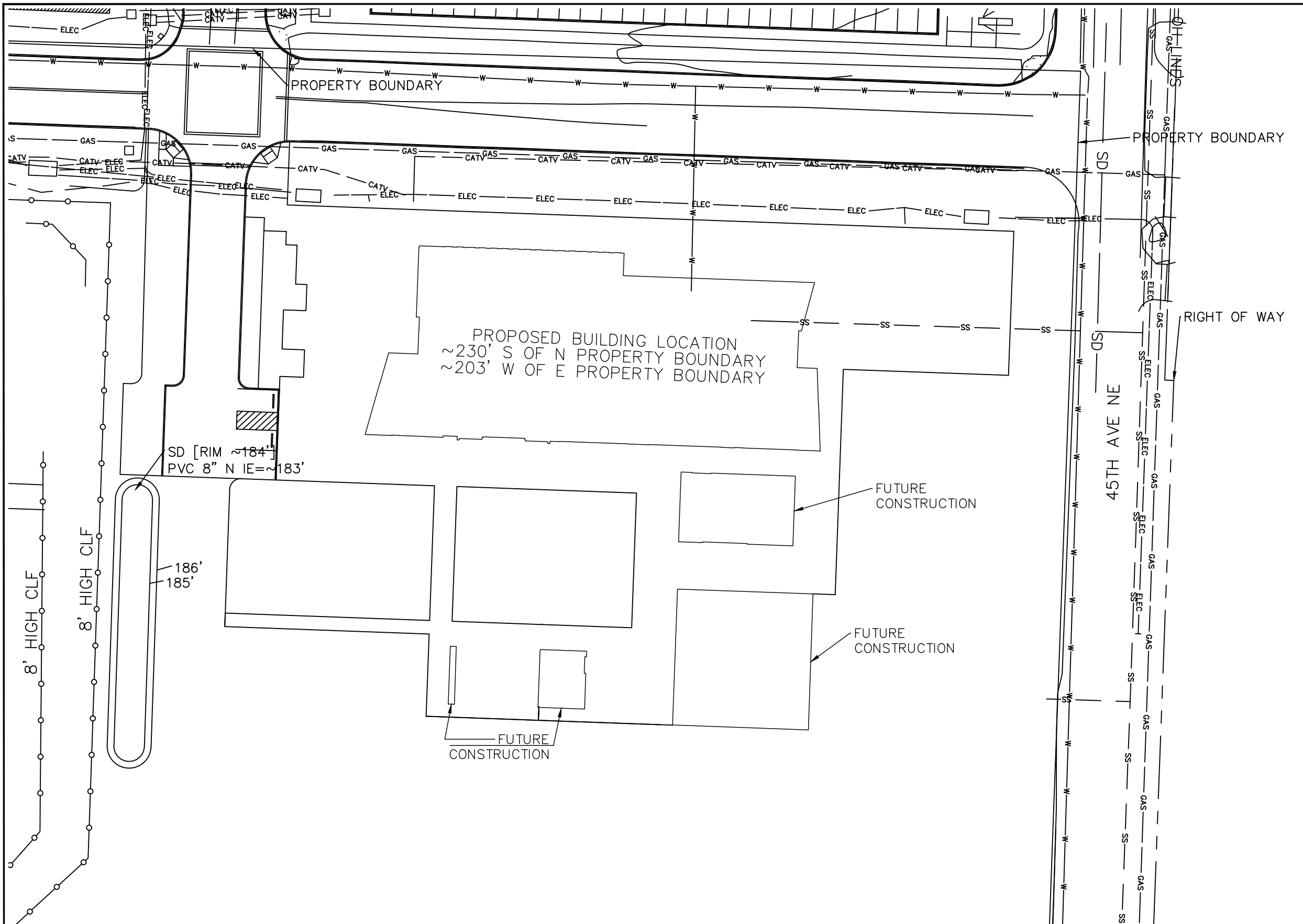
GRADING AND STORM SEWER

SCALE: 1"=50'

DATE: 5/19/2024

SHEET
C-003
6 OF 19

NOTES



SANITARY AND WATER LAYOUT
 1"=50'

NOTICE

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

WMS
DESIGNED

WMS
DRAWN

--
CHECKED

CE 418
CE PROFESSIONAL PRACTICE
TEAM: CA1



SANITARY AND WATER LAYOUT

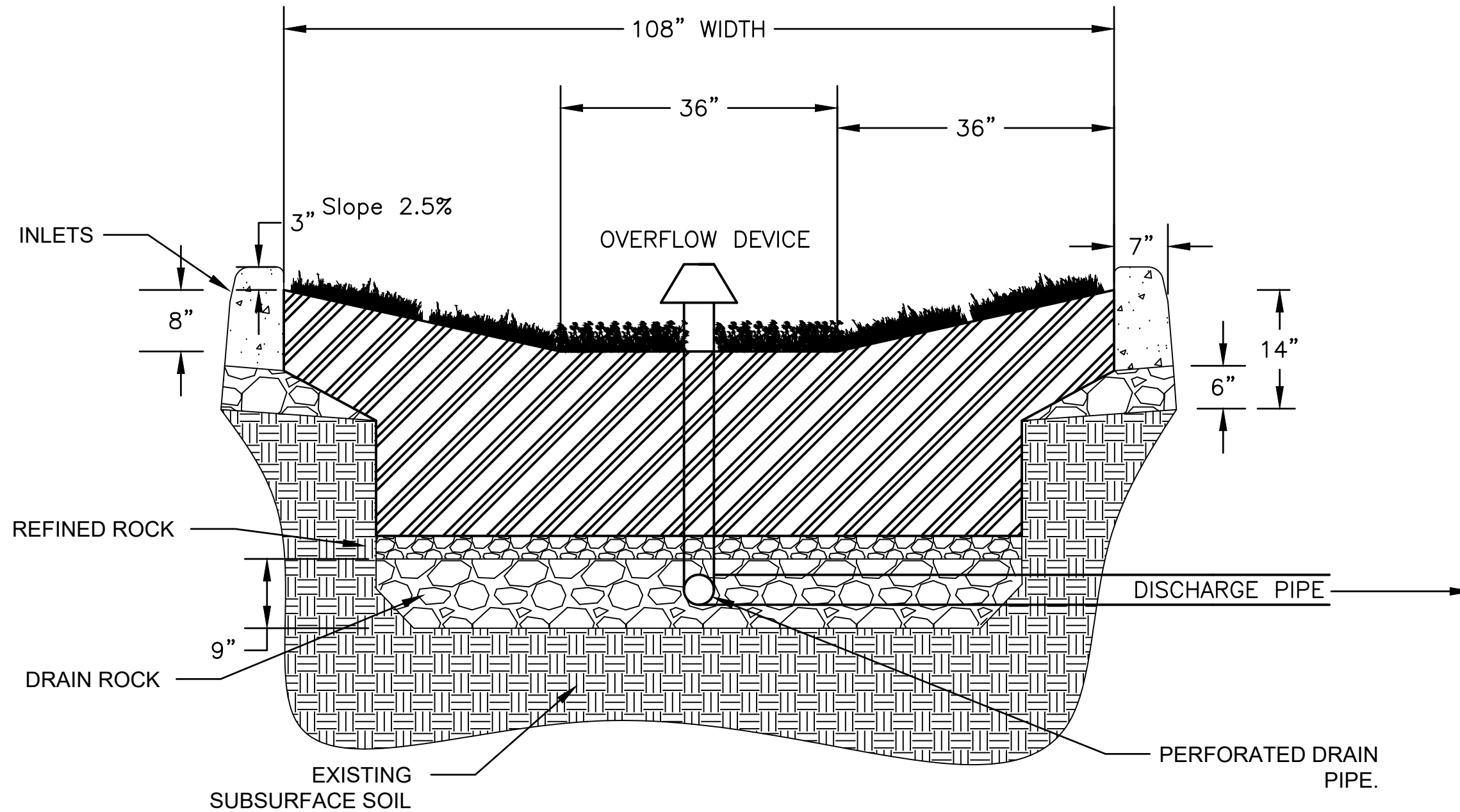
SCALE: 1"=50'

DATE: 5/19/2024

SHEET

C-004

7 OF 19



① SWALE TYP.
 $\frac{3}{4}" = 1'$

NOTICE



IF THIS BAR DOES NOT MEASURE 1"
 THEN DRAWING IS NOT TO SCALE

WMS
DESIGNED

WMS
DRAWN

--
CHECKED

CE 418
 CE PROFESSIONAL PRACTICE
 TEAM: CA1



D. G. E.

Chemeketa 
 Community College

CIVIL DETAILS

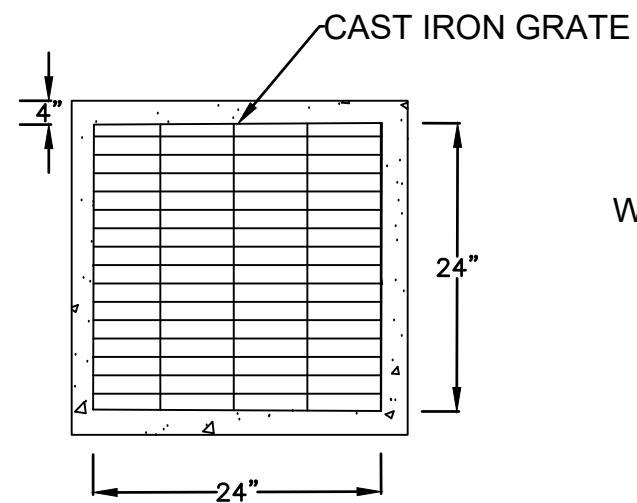
SCALE: $\frac{3}{4}" = 1'$

DATE: 5/19/2024

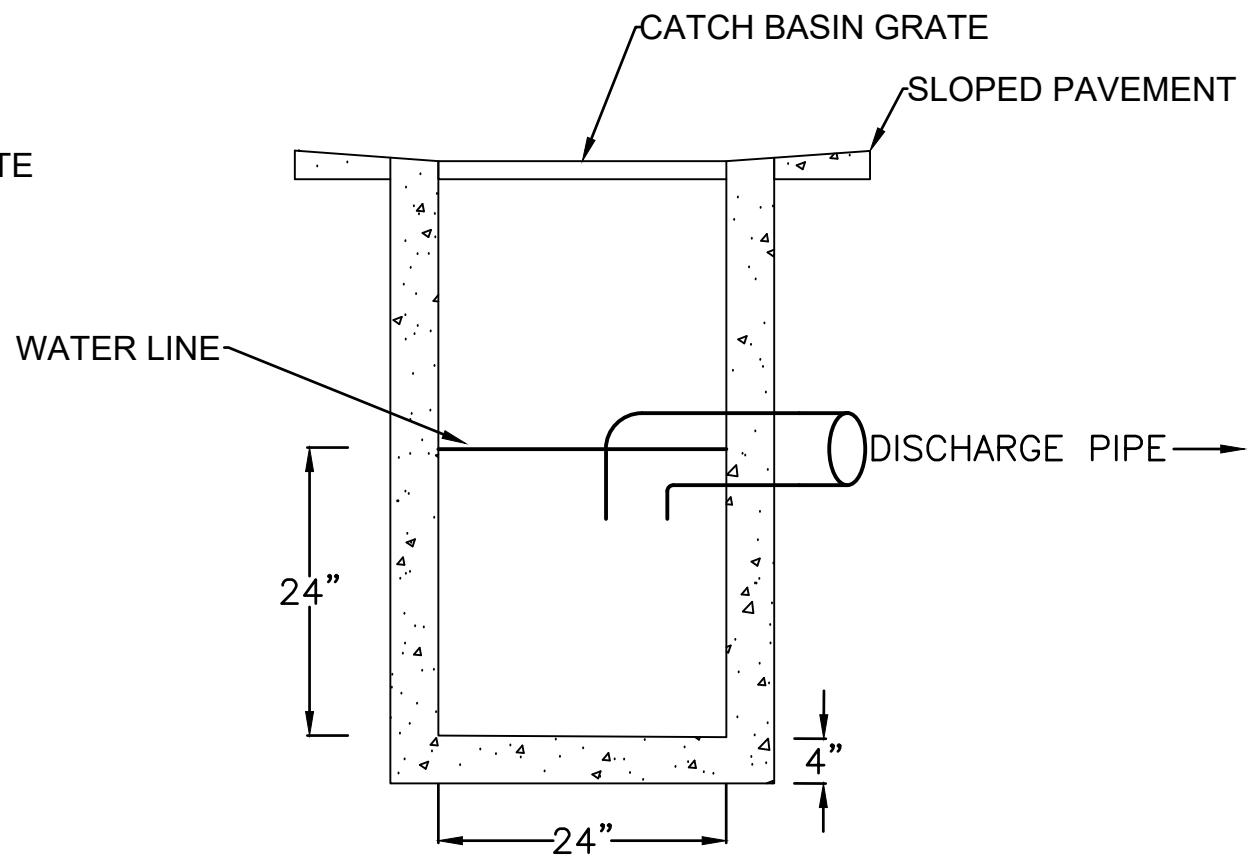
SHEET

C-005

8 OF 19



② DRAIN PLAN VIEW
3/4" = 1'



③ DRAIN SECTION VIEW
3/4" = 1'

NOTICE



IF THIS BAR DOES NOT MEASURE 1"
THEN DRAWING IS NOT TO SCALE

WMS
DESIGNED
WMS
DRAWN
--
CHECKED

CE 418
CE PROFESSIONAL PRACTICE
TEAM: CA1



D. G. E.



CIVIL DETAILS CONT.

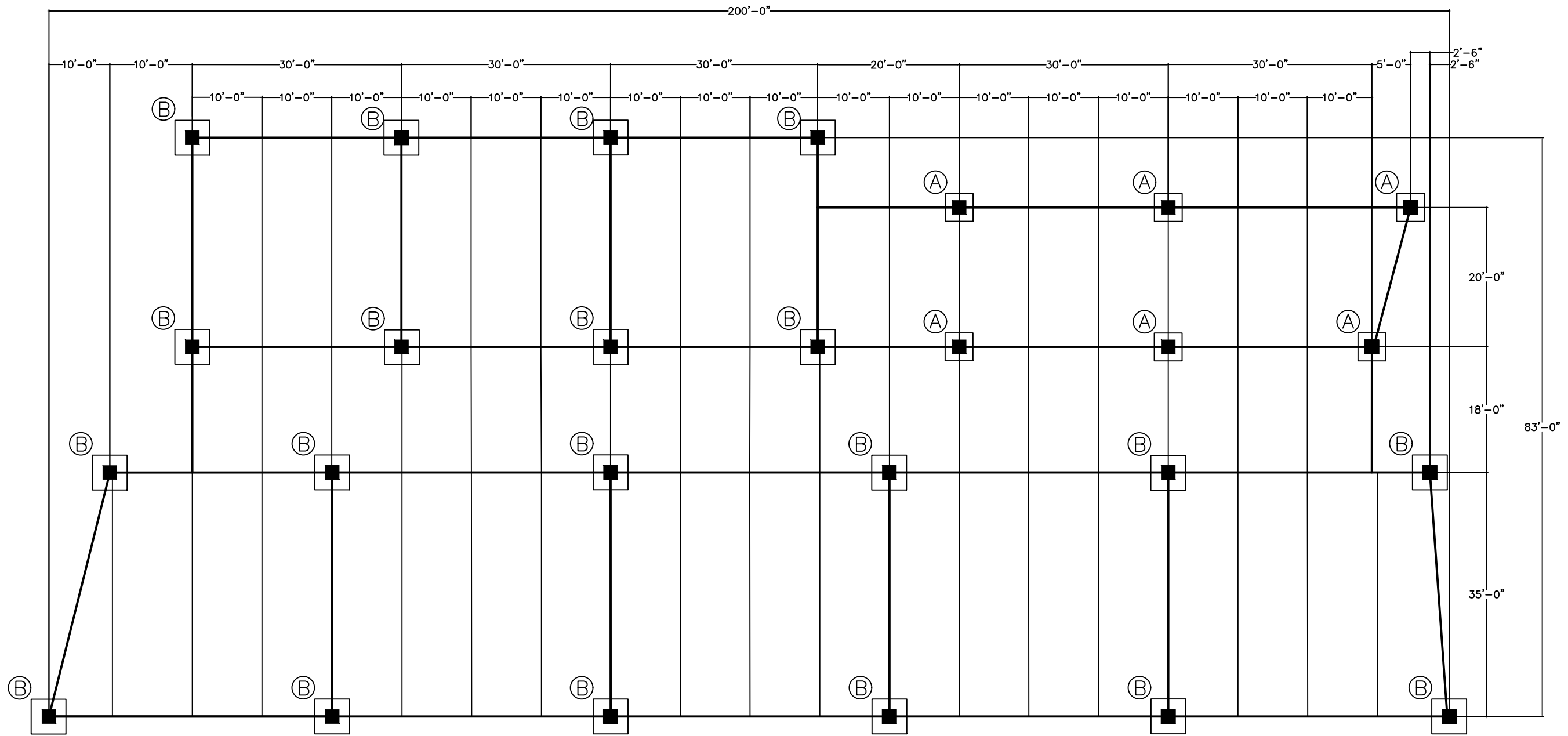
SCALE: 3/4"=1'

DATE: 5/19/2024

SHEET

C-006

9 OF 19

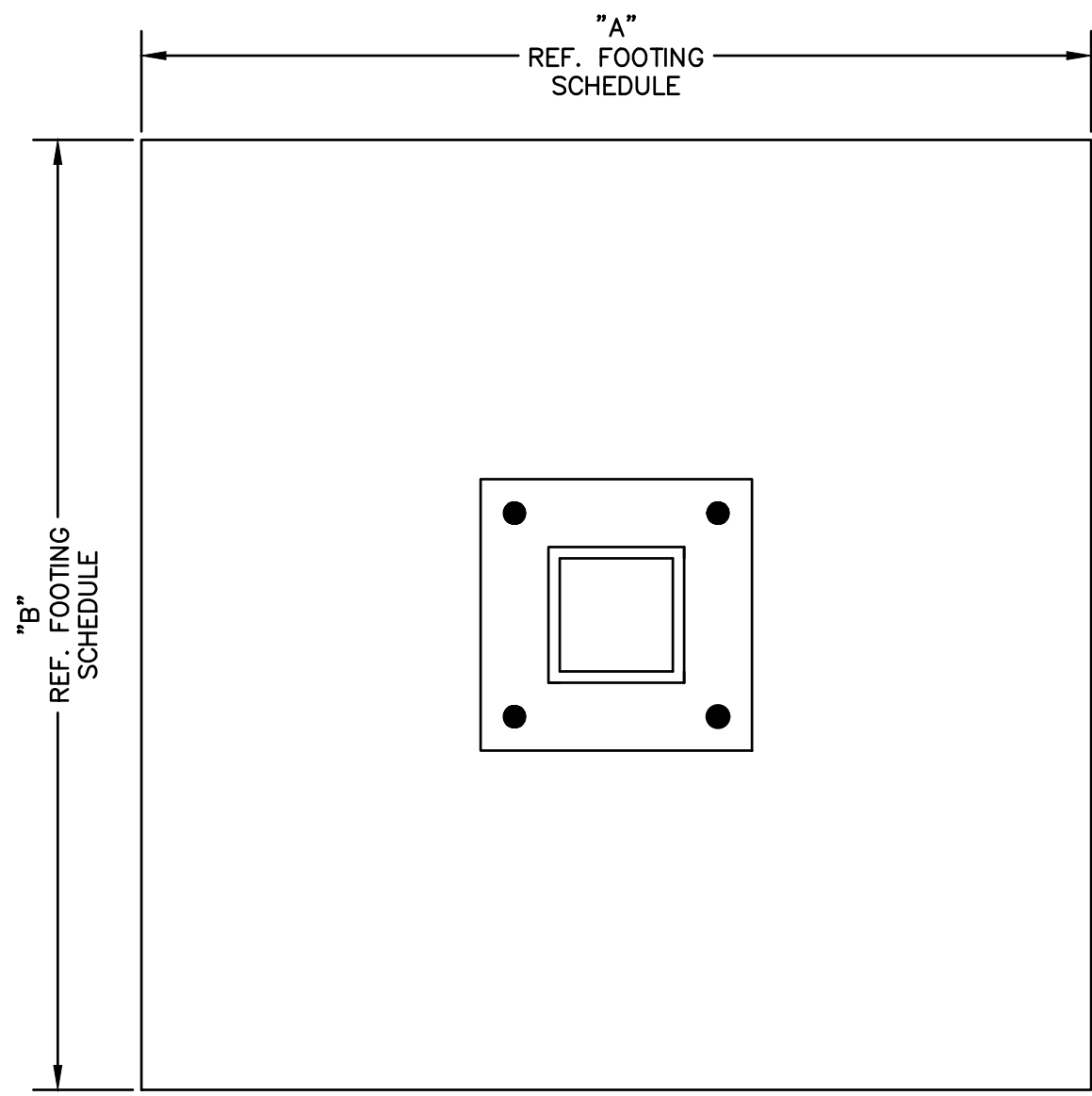
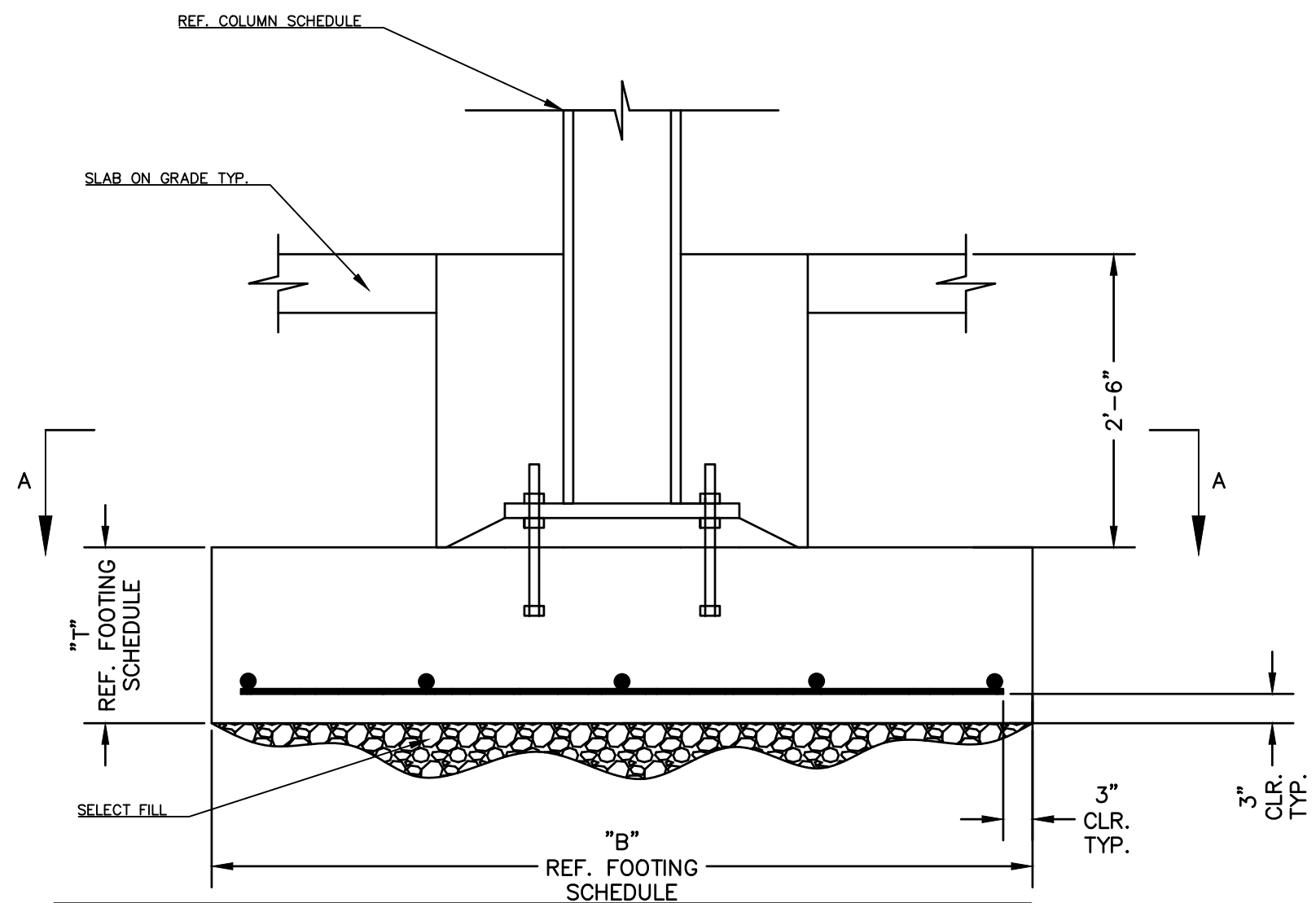


FOUNDATION PLAN NOTES:
 1. ■ INDICATES COLUMN PLACEMENT.
 2. (A) INDICATES FOOTING TYPE
 3. — INDICATES FOOTING

↑
 N
 ↓
FOUNDATION
 1/16" = 1'

<p>NOTICE</p> <p>IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE</p>	<p>WL DESIGNED</p> <p>WL DRAWN</p> <p>WMS CHECKED</p>	<p>CE 418 CE PROFESSIONAL PRACTICE TEAM: CA1</p>			<p>FOUNDATION PLAN</p> <p>SCALE: 1/16"=1' DATE: 5/19/2024</p>	<p>SHEET</p> <p>S-001</p> <p>10 OF 19</p>
---	---	--	--	--	--	---

FOOTING NOTES:
 1. REF. GEOTECHNICAL REPORT FOR SELECT FILL



SECTION A-A

FOOTING SCHEDULE			
MARK	SIZE "A"x"B"	"T"	REINFORCING
○	4'-0" x 4'-0"	1'-6"	(4) #6 BARS
○	5'-0" x 5'-0"	1'-6"	(5) #6 BARS

NOTICE

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

WL
DESIGNED

WL
DRAWN

WMS
CHECKED

CE 418
 CE PROFESSIONAL PRACTICE
 TEAM: CA1



FOOTING PLAN

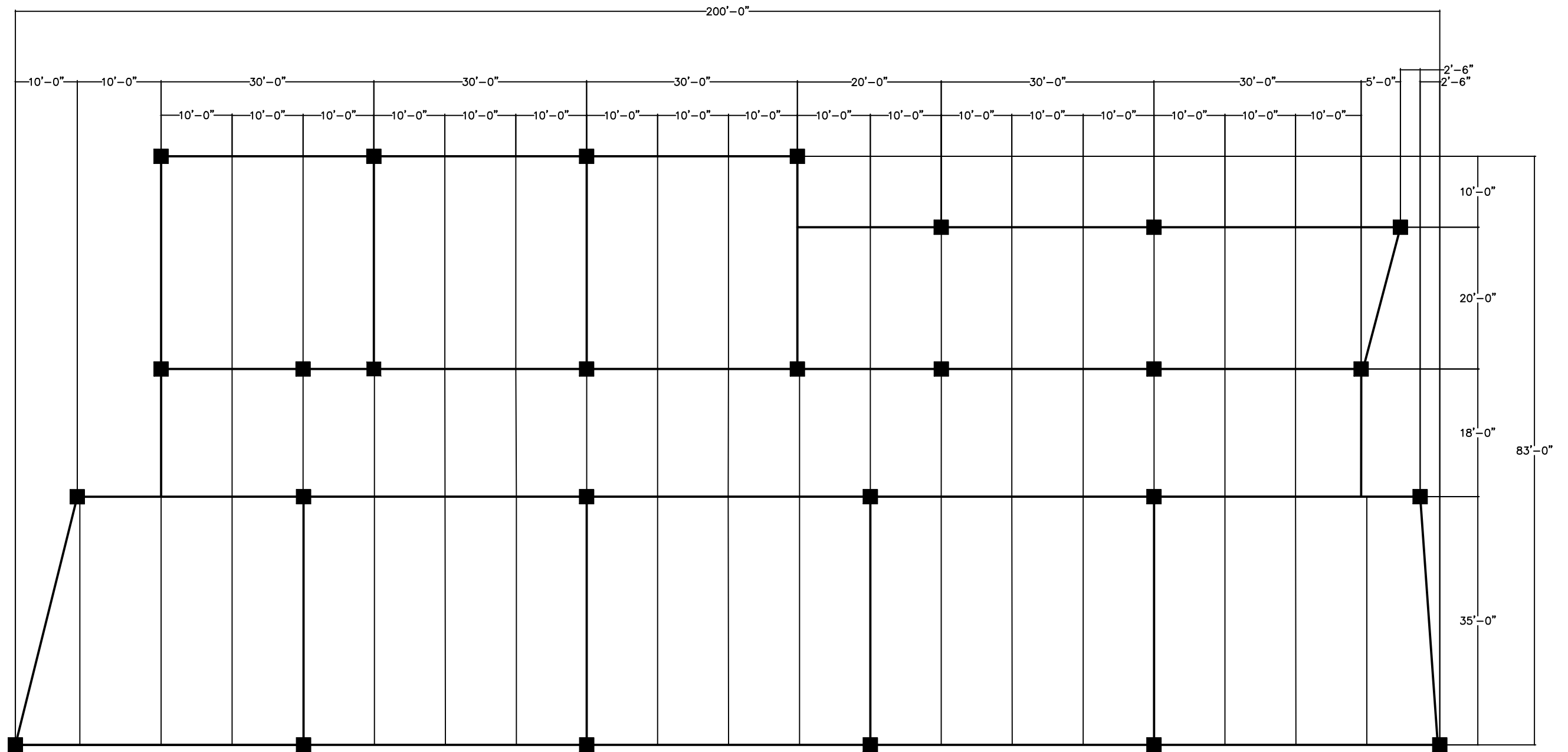
SCALE: 3/4"=1'

DATE: 5/19/2024

SHEET

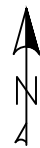
S-002

11 OF 19



Notes

- A-HSS 6"x6"x $\frac{1}{8}$ "
- B-HSS 5 $\frac{1}{2}$ "x5 $\frac{1}{2}$ "x $\frac{1}{8}$ "
- C-HSS 4"x4"x $\frac{3}{16}$ "
- Typ. Girder W12x16
- Typ. Beam W10x12



NOTICE



IF THIS BAR DOES NOT MEASURE 1"
THEN DRAWING IS NOT TO SCALE

NB
DESIGNED
NB
DRAWN
WMS
CHECKED

CE 418
CE PROFESSIONAL PRACTICE
TEAM: CA1



D. G. E.



COLUMN LAYOUT

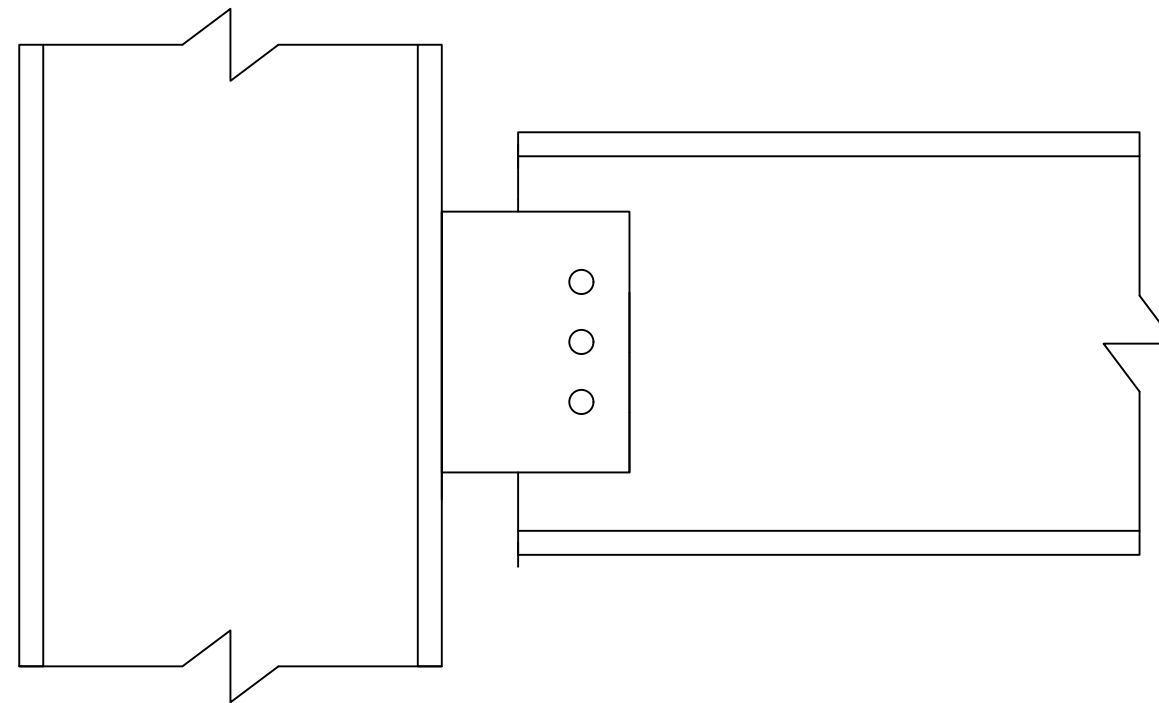
SCALE: 1/16"=1'

DATE: 5/19/2024

SHEET

S-004

13 OF 19



① TYP. SHEAR TAB CONNECTION
 $1/16'' = 1'-0''$

NOTICE



IF THIS BAR DOES NOT MEASURE 1"
 THEN DRAWING IS NOT TO SCALE

NB
 DESIGNED
NB
 DRAWN
WMS
 CHECKED

CE 418
 CE PROFESSIONAL PRACTICE
 TEAM: CA1



TYP. SHEAR TAB CONNECTION

SCALE: 1/16"=1'

DATE: 5/19/2024

SHEET

S-005

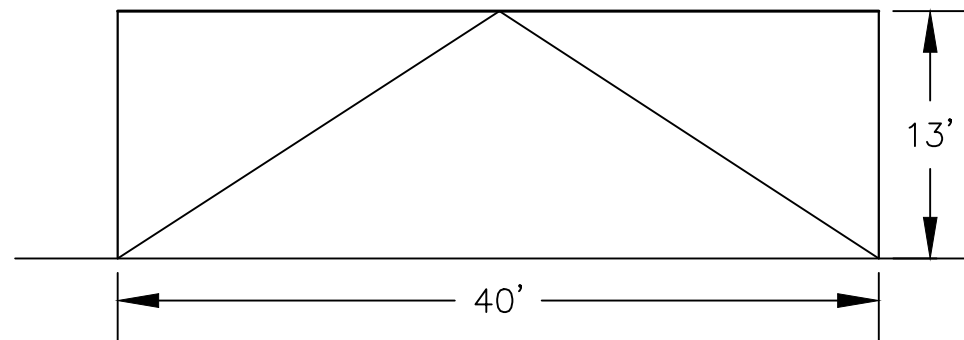
14 OF 19

BRACED FRAME ELEVATION NOTES:

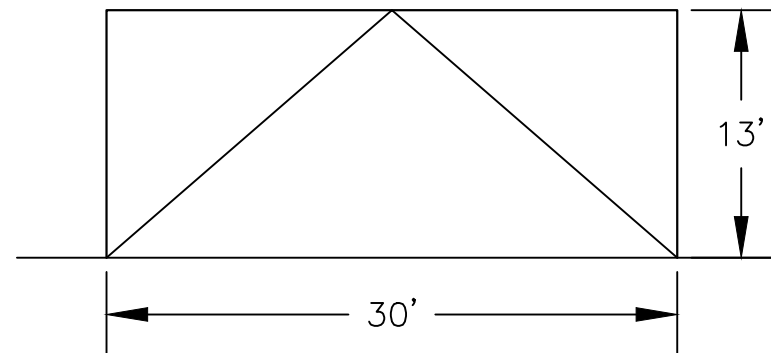
ELEVATIONS CONVEY TYPICAL DESIGNS TO BE REPLICATED THROUGHOUT BUILDING. CABLE FRAMES EXIST WHEN LATERAL RESISTANCE IS NEEDED WITHIN A WINDOW OR OTHER OPEN PARTITION.

TYPICAL BRACED FRAMES WILL BE CHEVRONS CONNECTED BY GUSSET PLATES TO BEAM/COLUMN INTERSECTIONS AND BEAM MIDSPAN.

TYPICAL BRACED FRAME ELEVATION 1:



TYPICAL BRACED FRAME ELEVATION 2:



NOTICE



IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

IW
DESIGNED
IW
DRAWN
WMS
CHECKED

CE 418
CE PROFESSIONAL PRACTICE
TEAM: CA1



D. G. E.

Chemeketa 
Community College

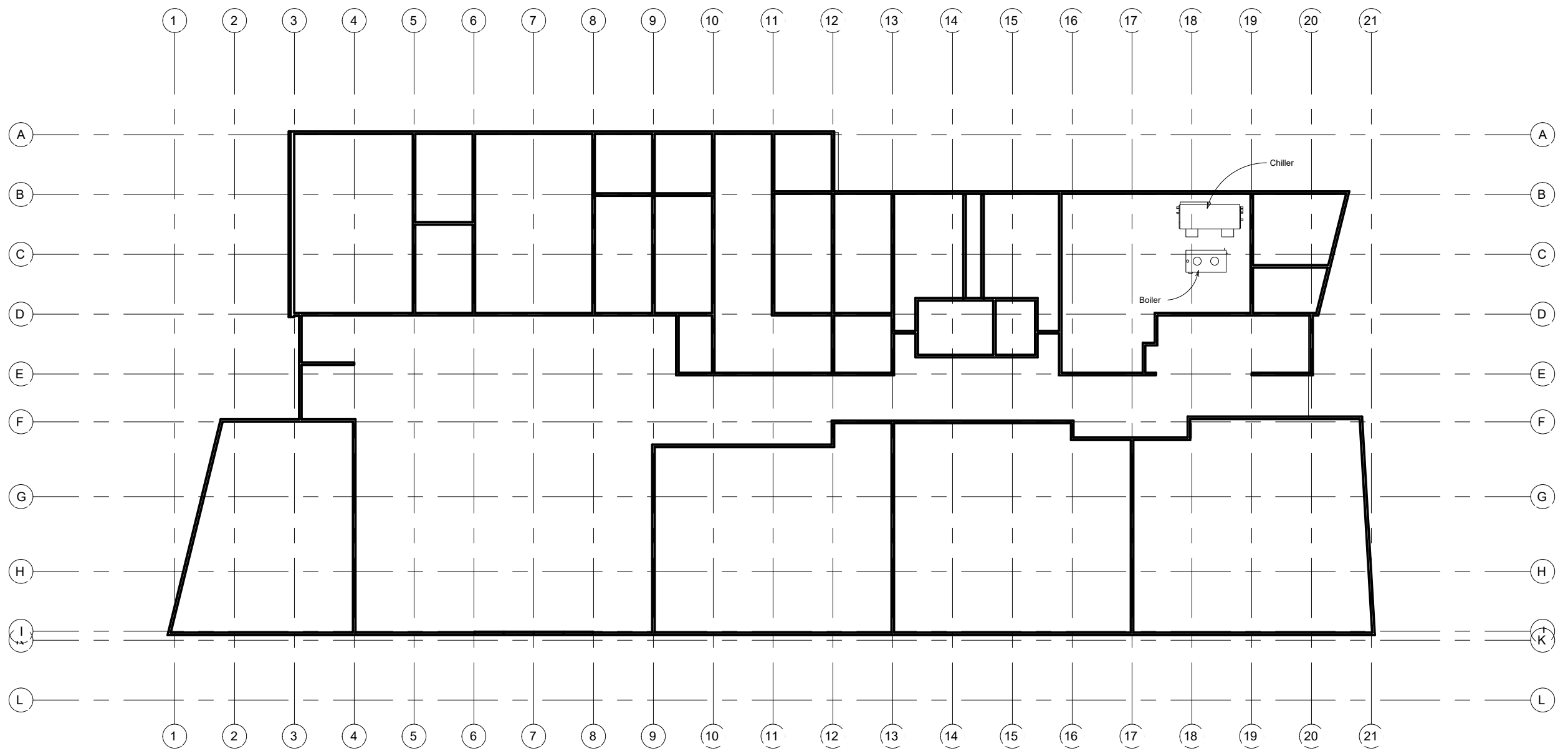
BRACED FRAMES


SCALE: NOT TO SCALE DATE: 5/19/2024

SHEET

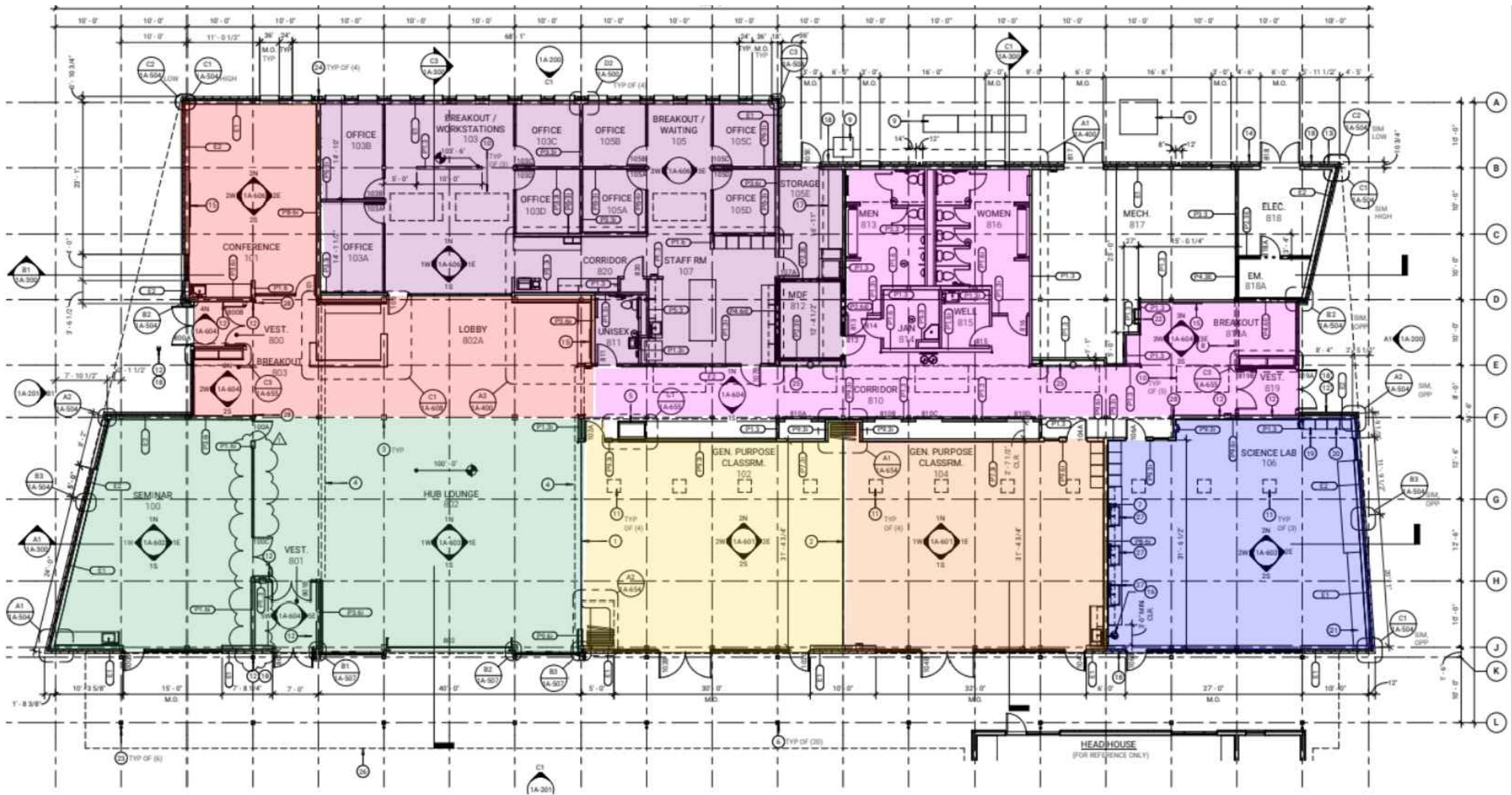
S-003

12 OF 19

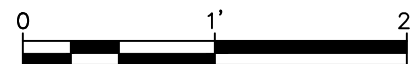



LEVEL 1
 $\frac{1}{8"} = 1'$

<p>NOTICE</p>  <p>IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE</p>	<p>ZH DESIGNED</p> <p>ZH DRAWN</p> <p>WMS CHECKED</p>	<p>CE 418 CE PROFESSIONAL PRACTICE TEAM: CA1</p>	 <p>D. G. E.</p>	 <p>Chemeketa Community College</p>	<p>LEVEL 1 MECHANICAL EQUIPMENT LAYOUT</p> <p>SCALE: NOT TO SCALE DATE: 5/19/2024</p>	<p>SHEET</p> <p>A-001</p> <p>15 OF 19</p>
---	---	--	--	---	---	---



NOTICE



IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

ZH
DESIGNED
ZH
DRAWN
WMS
CHECKED

CE 418
CE PROFESSIONAL PRACTICE
TEAM: CA1



D.G.E.

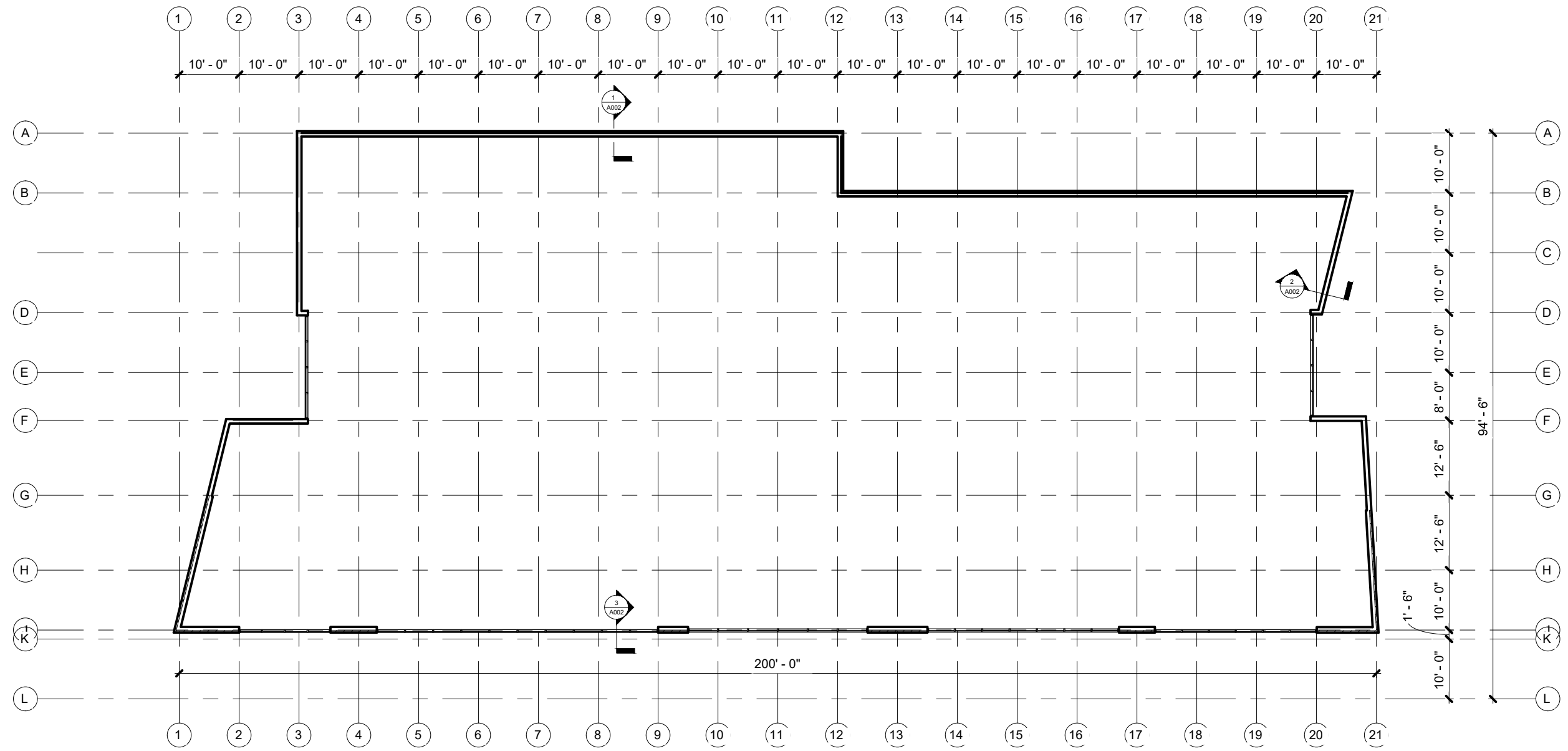
Chemeketa 
Community College

VENT ZONE PLAN

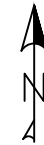
SCALE: NOT TO SCALE | DATE: 5/19/2024

SHEET

16 OF 19



① Level 1
 1/8" = 1'-0"



NOTICE



IF THIS BAR DOES NOT MEASURE 1"
 THEN DRAWING IS NOT TO SCALE

AE
 DESIGNED
AE
 DRAWN
WMS
 CHECKED

CE 418
 CE PROFESSIONAL PRACTICE
 TEAM: CA1



D. G. E.



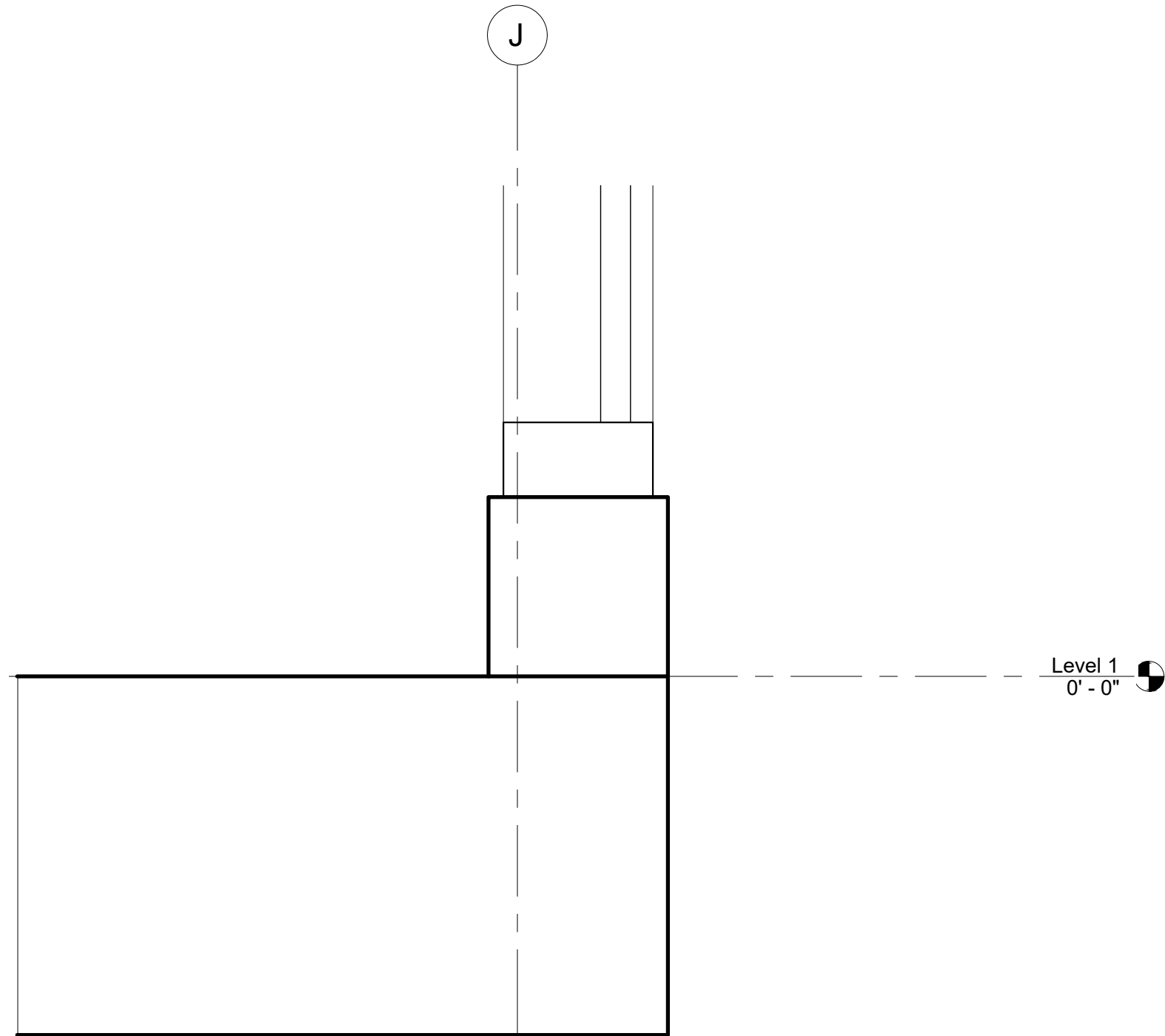
FLOOR PLAN

SCALE: NOT TO SCALE | DATE: 5/19/2024

SHEET

A-002

17 OF 19



① SOG at Storefront - Work In Progress
 3" = 1'-0"

NOTICE



IF THIS BAR DOES NOT MEASURE 1"
 THEN DRAWING IS NOT TO SCALE

AE
 DESIGNED
AE
 DRAWN
WMS
 CHECKED

CE 418
 CE PROFESSIONAL PRACTICE
 TEAM: CA1



D. G. E.

Chemeketa 
 Community College

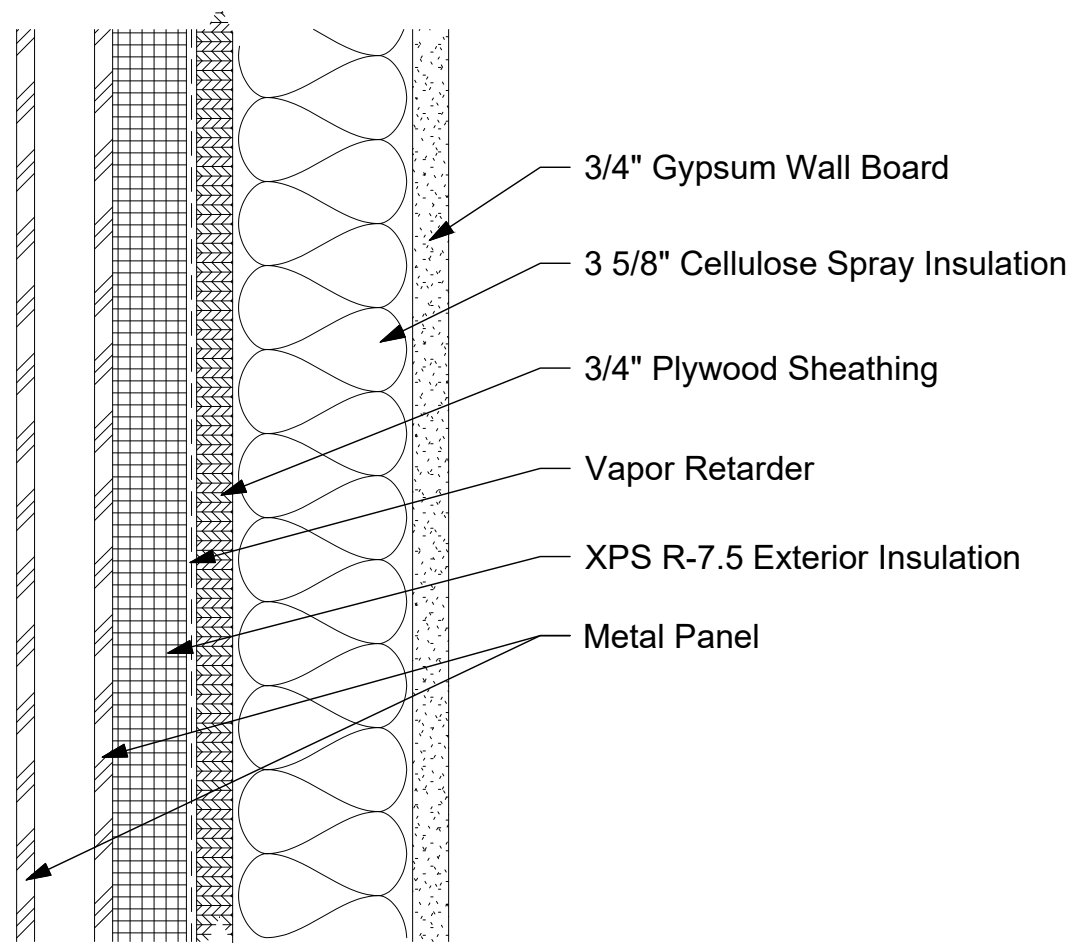
DETAILS

SCALE: NOT TO SCALE DATE: 5/19/2024

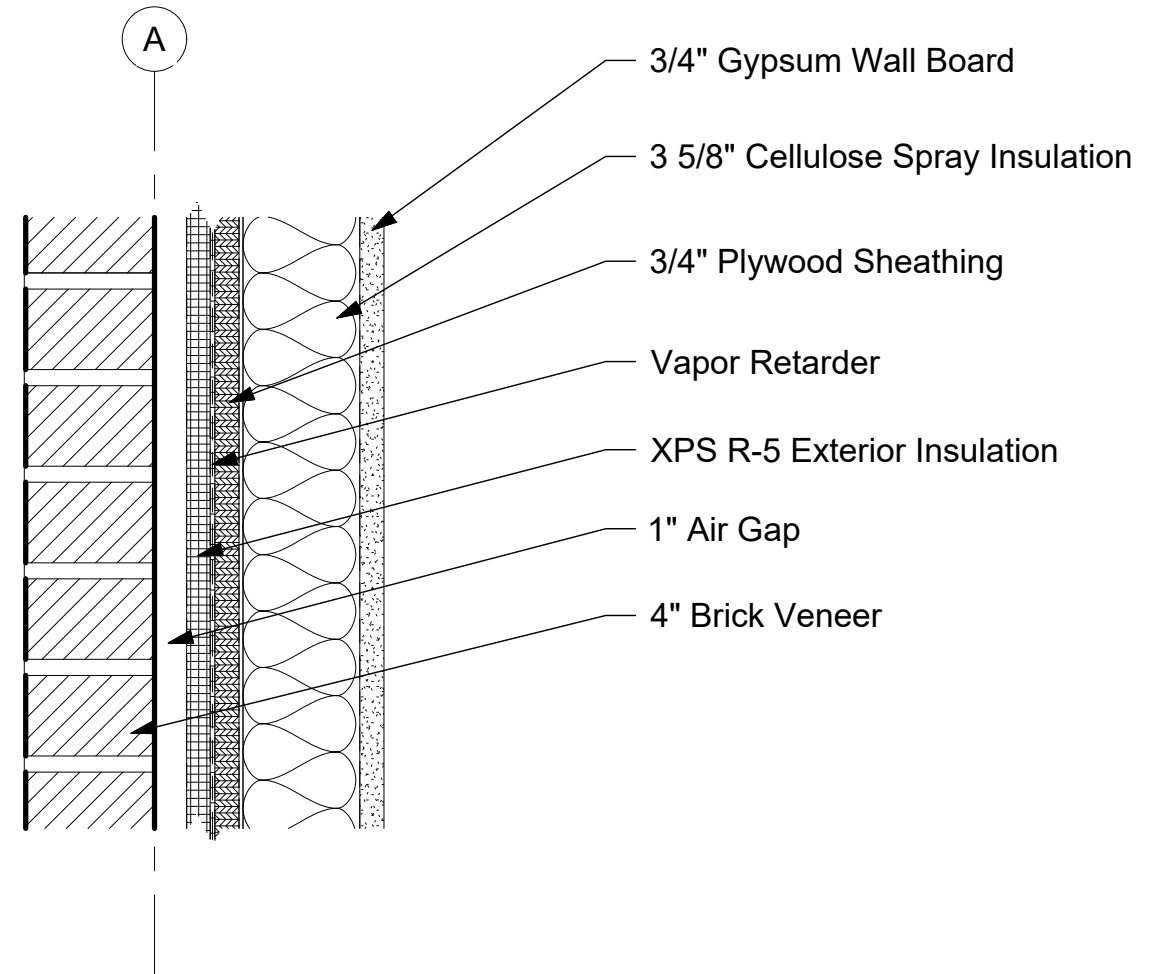
SHEET

A-003

18 OF 19



② Metal Panel Wall Section
3" = 1'-0"



③ Brick Wall Section
3" = 1'-0"

NOTICE



IF THIS BAR DOES NOT MEASURE 1"
THEN DRAWING IS NOT TO SCALE

AE
DESIGNED
AE
DRAWN
WMS
CHECKED

CE 418
CE PROFESSIONAL PRACTICE
TEAM: CA1



D. G. E.

Chemeketa
Community College

DETAILS CONT.

SCALE: NOT TO SCALE DATE: 03/10

SHEET

A-004

19 OF 19