

EXTERIOR ELEVATIONS

DATE	REMARKS
12/22/2023	PRESUBMITTAL
02/19/2024	P&Z SUBMITTAL
02/22/2024	DR SUBMITTAL
05/06/2024	DR AND P&Z RESUBMITTAL
06/05/2024	DR AND P&Z 2ND RESUBMITTAL

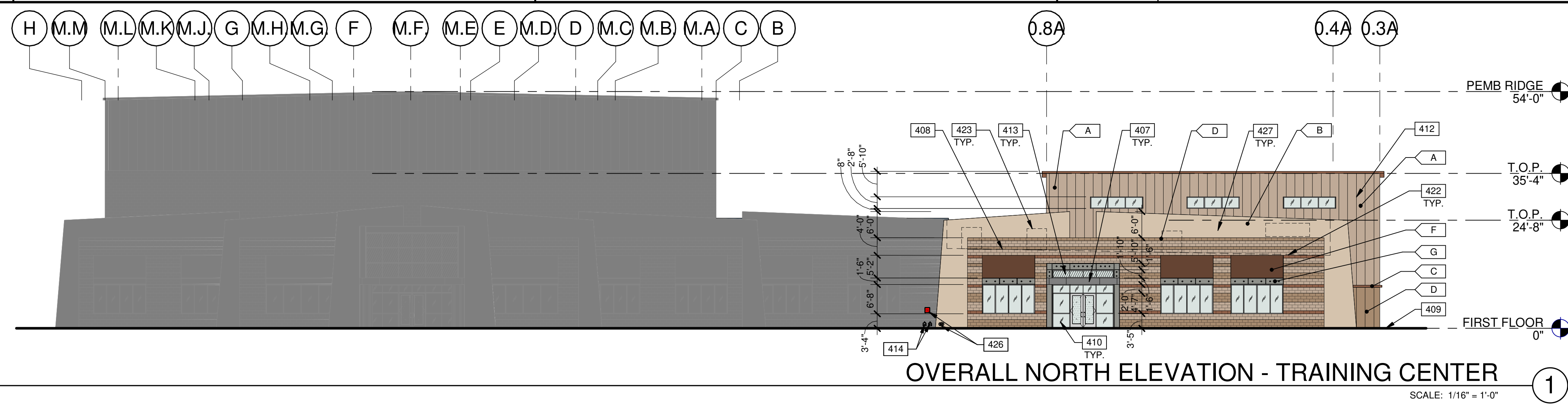
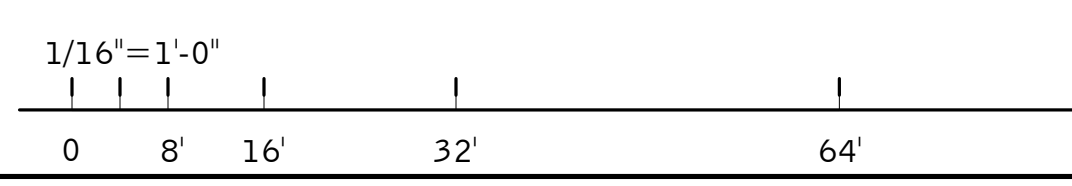
PA/PM:	A.MADRID
DRAWN BY.:	A.M.
JOB NO.:	PHX23-0173-00

CALCULATION PER MATERIAL DETAILS

A PAINTED CMU BLOCK - DEC6123 - TRAIL DUST = 498 SF = 14.9% OF ELEVATION
 A PAINTED PEMB METAL PANEL - DEC6123 - TRAIL DUST = 771 SF = 23% OF ELEVATION
 B PAINTED STUCCO OVER CMU BLOCK - DEC747 - SAHARA = 770 SF = 23% OF ELEVATION
 C PAINTED CMU BLOCK - DE6105 - WEATHERED LEATHER = 62 SF = 1.9% OF ELEVATION
 C PAINTED METAL ROOF - DE6105 - WEATHERED LEATHER = 41 SF = 1.2% OF ELEVATION
 C PAINTED PEMB TRIM - DE6105 - WEATHERED LEATHER = 3 SF = 0.1% OF ELEVATION
 D PAINTED CMU BLOCK - DEC718 - MESA TAN = 328 SF = 9.9% OF ELEVATION
 D PAINTED PEMB METAL PANEL - DEC718 - MESA TAN = 53 SF = 1.6% OF ELEVATION
 F RUSTED PATINA METAL = 186 SF = 5.6% OF ELEVATION
 G METAL LINTEL WITH DECORATIVE BOLTS = 109 SF = 3.3% OF ELEVATION
 METAL CANOPY = 25 SF = 0.7% OF ELEVATION
 STOREFRONT SYSTEM GLAZING = 404 SF = 12.1% OF ELEVATION
 CLERESTORY GLAZING = 96 SF = 2.9% OF ELEVATION
 TOTAL ELEVATION AREA = 3,346 SF

CALCULATION PER MATERIAL TYPES

CMU BLOCK TOTAL COMBINED = 888 SF = 26.5% OF ELEVATION
 PEMB TOTAL COMBINED = 827 SF = 24.7% OF ELEVATION
 METAL TOTAL COMBINED = 361 SF = 10.8% OF ELEVATION
 STUCCO TOTAL COMBINED = 770 SF = 23% OF ELEVATION
 GLAZING TOTAL COMBINED = 500 SF = 15% OF ELEVATION
 TOTAL ELEVATION AREA = 3,346 SF



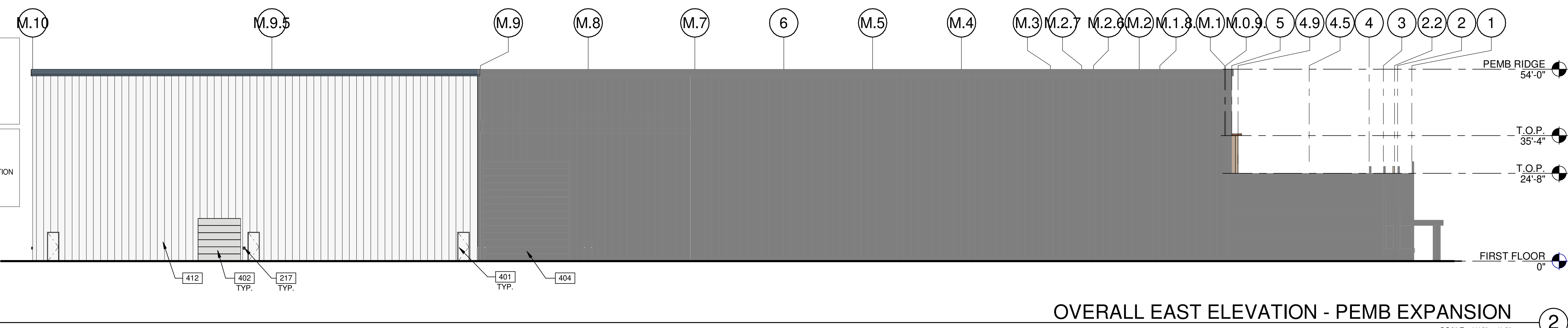
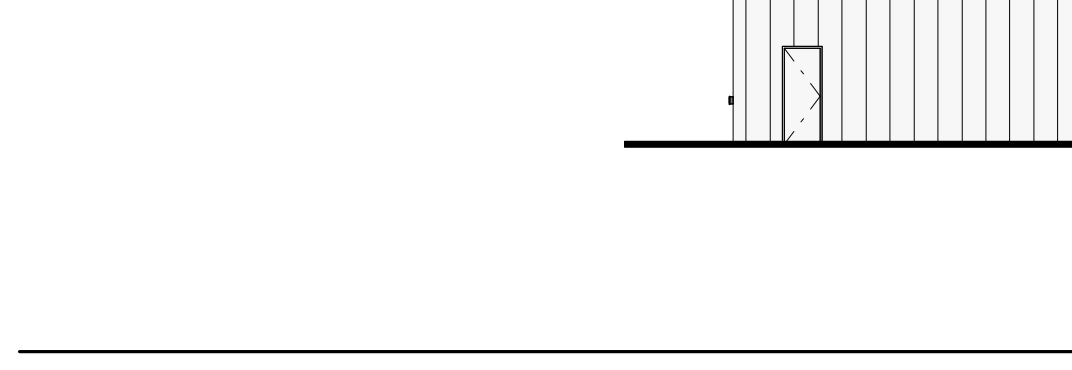
OVERALL NORTH ELEVATION - TRAINING CENTER
 SCALE: 1/16" = 1'-0" (1)

CALCULATION PER MATERIAL DETAILS

E PEMB METAL PANEL - MANUFACTURER WHITE FINISH = 6,433 SF = 93.1% OF ELEVATION
 A PAINTED STUCCO OVER CMU BLOCK - DEC747 - SAHARA = 248 SF = 3.6% OF ELEVATION
 OVERHEAD & MAN DOORS = 226 SF = 3.3% OF ELEVATION
 TOTAL ELEVATION AREA = 6,907 SF

CALCULATION PER MATERIAL TYPES

PEMB TOTAL COMBINED = 6,433 SF = 93.1% OF ELEVATION
 METAL TOTAL COMBINED = 248 SF = 3.6% OF ELEVATION
 DOOR TOTAL COMBINED = 226 SF = 3.3% OF ELEVATION
 TOTAL ELEVATION AREA = 6,907 SF



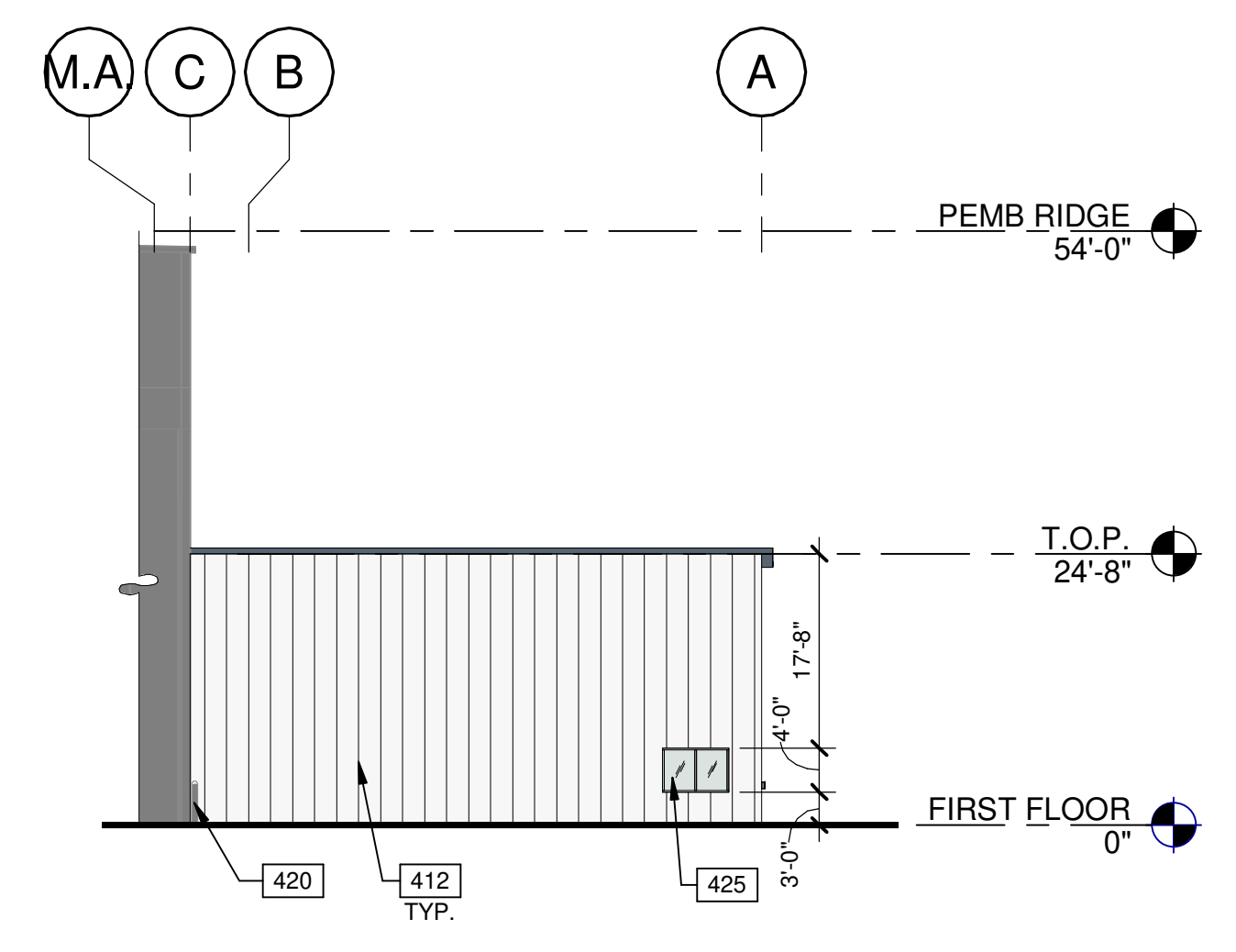
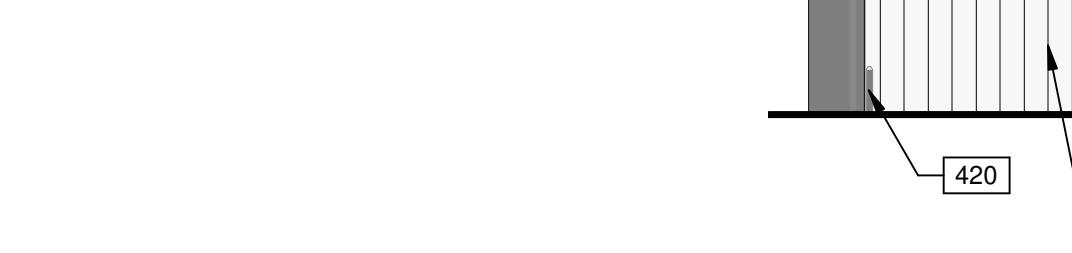
OVERALL EAST ELEVATION - PEMB EXPANSION
 SCALE: 1/16" = 1'-0" (2)

CALCULATION PER MATERIAL DETAILS

E PEMB METAL PANEL - MANUFACTURER WHITE FINISH = 1,258 SF = 96% OF ELEVATION
 A PAINTED STUCCO OVER CMU BLOCK - DEC747 - SAHARA = 29 SF = 2.2% OF ELEVATION
 GLAZING = 24 SF = 1.8% OF ELEVATION
 TOTAL ELEVATION AREA = 1,311 SF

CALCULATION PER MATERIAL TYPES

PEMB TOTAL COMBINED = 1,258 SF = 96% OF ELEVATION
 METAL TOTAL COMBINED = 29 SF = 2.2% OF ELEVATION
 GLAZING TOTAL COMBINED = 24 SF = 1.8% OF ELEVATION
 TOTAL ELEVATION AREA = 1,311 SF



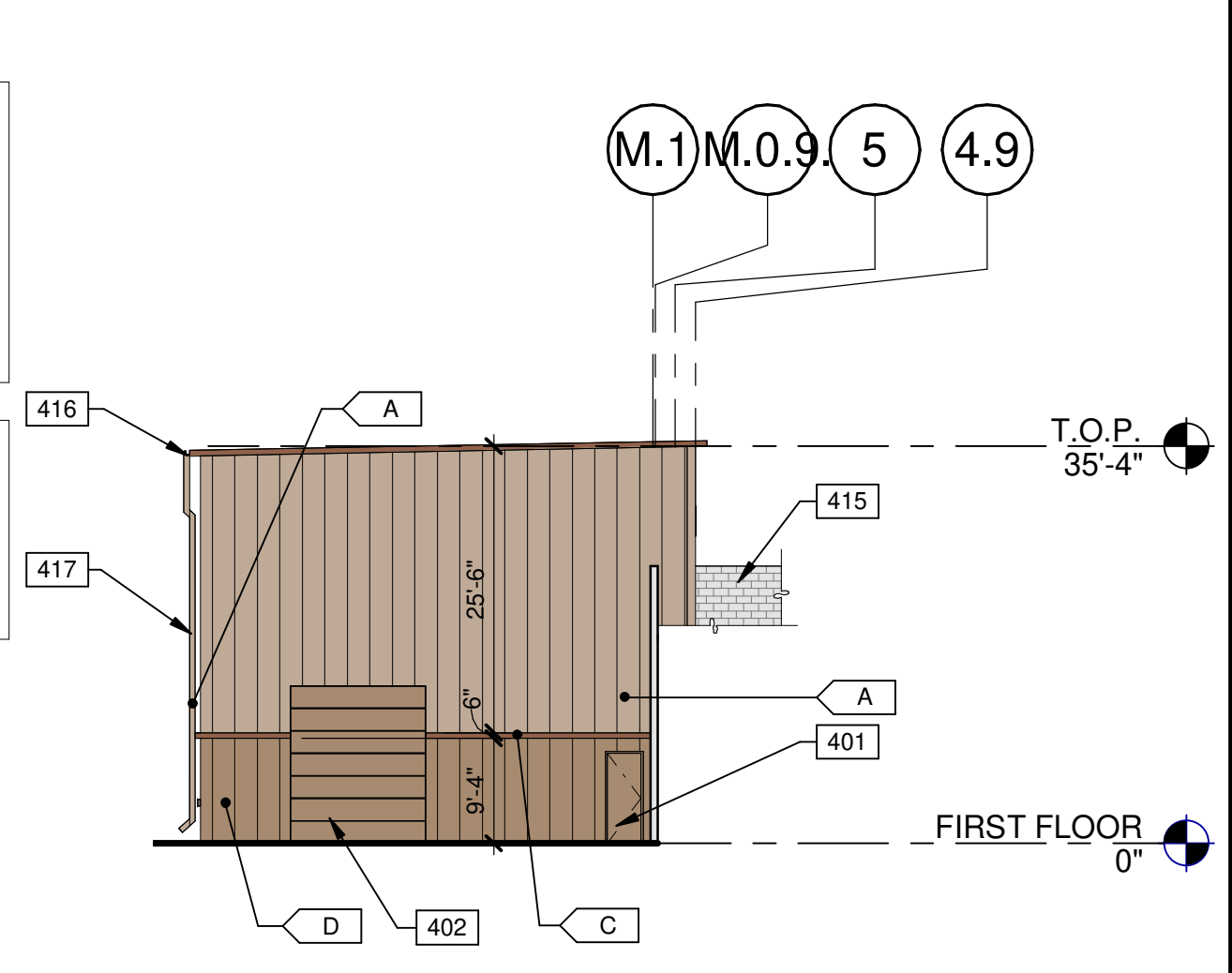
NORTH ELEVATION - SERVICE PARTS ROOM
 SCALE: 1/16" = 1'-0" (1A)

CALCULATION PER MATERIAL DETAILS

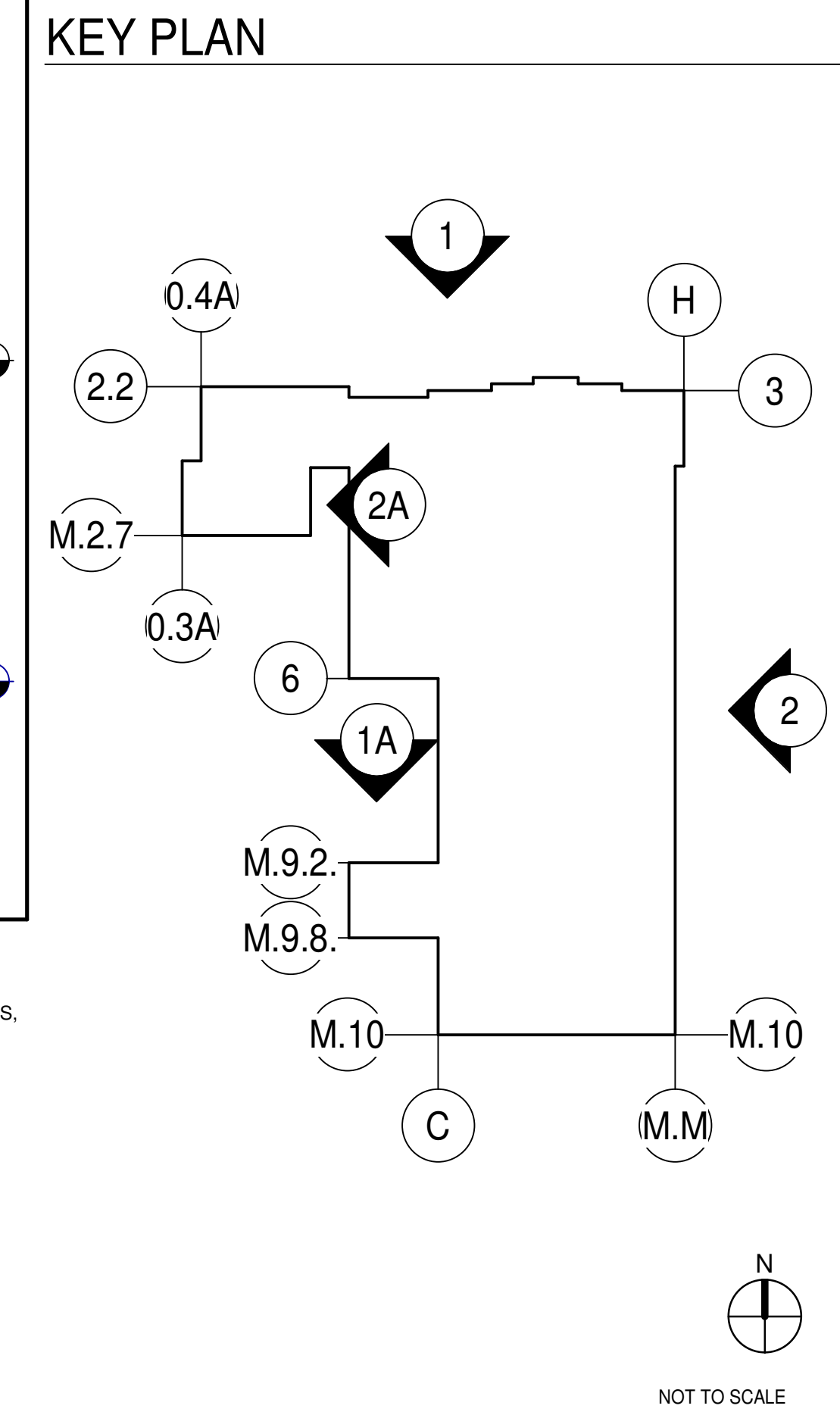
A PAINTED PEMB METAL PANEL - DEC6123 - TRAIL DUST = 1,011 SF = 67.7% OF ELEVATION
 C PAINTED METAL ROOF - DE6105 - WEATHERED LEATHER = 23 SF = 1.5% OF ELEVATION
 C PAINTED PEMB TRIM - DE6105 - WEATHERED LEATHER = 14 SF = 0.9% OF ELEVATION
 C PAINTED GUTTER & DRAIN SYSTEM - DE6105 - WEATHERED LEATHER = 17 SF = 1.1% OF ELEVATION
 D PAINTED PEMB METAL PANEL - DEC718 - MESA TAN = 234 SF = 15.7% OF ELEVATION
 OVERHEAD & MAN DOORS - DEC718 - MESA TAN = 195 SF = 13.1% OF ELEVATION
 TOTAL ELEVATION AREA = 1,494 SF

CALCULATION PER MATERIAL TYPES

PEMB TOTAL COMBINED = 1,259 SF = 84.3% OF ELEVATION
 METAL TOTAL COMBINED = 40 SF = 2.7% OF ELEVATION
 DOOR TOTAL COMBINED = 195 SF = 13.1% OF ELEVATION
 TOTAL ELEVATION AREA = 1,494 SF



EAST ELEVATION - PEMB TRAINING CENTER
 SCALE: 1/16" = 1'-0" (2A)



KEY PLAN
 NOT TO SCALE

LEGEND

COLORS:
 PROVIDE 6"-0" WIDE PAINT COLOR MOCK-UP FULL HEIGHT OF BUILDING FOR OWNER/ARCHITECT REVIEW.
 ALL WALLS TO BE PAINTED WITH BASE COLOR U.O.N.

A	DUNN EDWARDS DE6123 - "TRAIL DUST"
B	DUNN EDWARDS DEC747 - "SAHARA"
C	DUNN EDWARDS DE6105 - "WEATHERED LEATHER"
D	DUNN EDWARDS DEC718 - "MESA TAN"
E	PEMB PANEL - MANUFACTURER'S WHITE FINISH
F	RUSTED PATINA METAL
G	METAL LINTEL WITH 3" BOLT HEAD - DECORATIVE

GLASS:

(Diagonal lines)	VISION GLASS: 1" INSULATING BRONZE REFLECTIVE OLDCASTLE - IGU OB: 1/4" PPG SOLARCOOL BRONZE REFLECTIVE #2 AS: 1/2" (AIR FILL) IB: 1/4" PPG SOLARBAN 60 ON CLEAR LOW-E #3 U-FACTOR SUMMER DAYTIME: 0.27 SOLAR HEAT GAIN COEFFICIENT (SHGC): 0.18
(Horizontal lines)	SPANDREL GLASS
(Dotted pattern)	TEMPERED GLASS

- KEYNOTES:**
- 217 SURFACE MOUNTED KNOX BOX LOCATION (REQ. AT ALL BUILDING EXIT DOORS, LOCATED ON DOOR STRIKE LEG SIDE).
 - 401 HOLLOW METAL MAN DOOR.
 - 402 OVERHEAD DOOR.
 - 404 EXISTING OVERHEAD DOOR.
 - 407 METAL CANOPY, FIELD APPLIED FINISH.
 - 408 PAINTED CMU WALL.
 - 409 FINISH GRADE VARIES.
 - 410 ALUMINUM STOREFRONT SYSTEM WITH 1" INSULATED GLASS.
 - 412 METAL PANEL 26 GA EMBOSSED 'VEE-PANEL' OR EQUAL - BY PEMB.
 - 413 SPANDREL GLASS.
 - 414 LAMBS TONGUE ROOF DRAINAGE DAYLIGHT LOCATIONS.
 - 415 PARAPET WALL BEYOND.
 - 416 DRAINAGE GUTTER SYSTEM.
 - 417 DRAIN LEADER.
 - 420 EXISTING BOLLARD.
 - 422 LINE OF ROOF BEYOND.
 - 423 PROPOSED SCREENED HVAC UNITS.
 - 425 SHIPPING AND RECEIVING WINDOW.
 - 426 FDC SIGNAGE TO INDICATE FDC BEHIND DECORATIVE WALL.
 - 427 CMU WALL W/ STUCCO SMOOTH STUCCO FINISH.

CALCULATION PER MATERIAL DETAILS

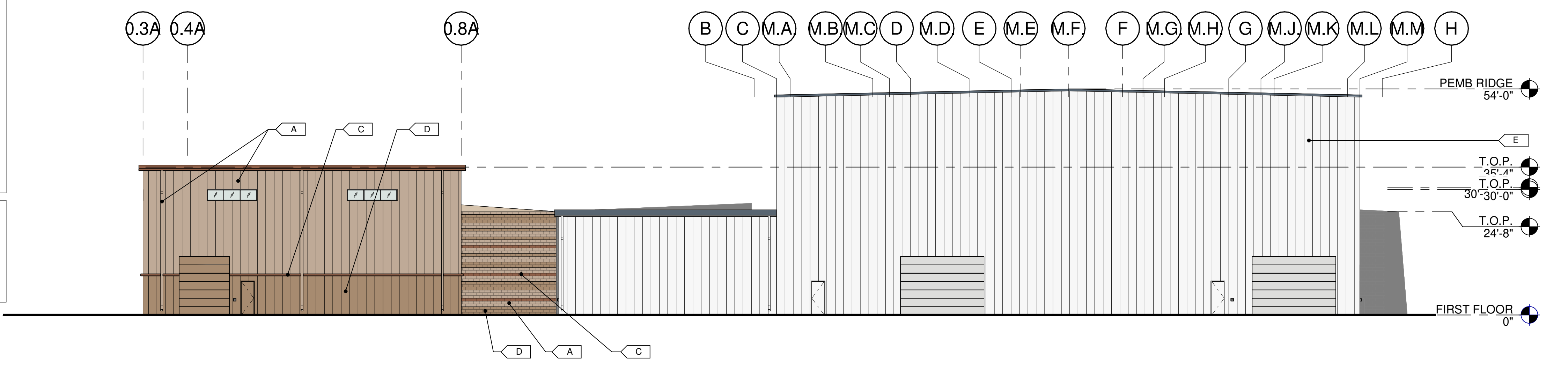
*A PAINTED CMU BLOCK - DEC6123 - TRAIL DUST = 303 SF = 2.4% OF ELEVATION
 *A PAINTED PEMB METAL PANEL - DEC6123 - TRAIL DUST = 1,656 SF = 13.2% OF ELEVATION
 *C PAINTED CMU BLOCK - DE6105 - WEATHERED LEATHER = 45 SF = 0.4% OF ELEVATION
 *C PAINTED METAL ROOF - DE6105 - WEATHERED LEATHER = 108 SF = 0.9% OF ELEVATION
 *C PAINTED CUTTER & DRAIN SYSTEM - DE6105 - WEATHERED LEATHER = 83 SF = 0.7% OF ELEVATION
 *C PAINTED PEMB TRIM - DE6105 - WEATHERED LEATHER = 32 SF = 0.2% OF ELEVATION
 *D PAINTED CMU BLOCK - DEC718 - MESA TAN = 212 SF = 1.7% OF ELEVATION
 *E PAINTED PEMB METAL PANEL - DEC718 - MESA TAN = 558 SF = 4.4% OF ELEVATION
 *E PEMB METAL PANEL - MANUFACTURER WHITE FINISH = 8,496 SF = 67.6% OF ELEVATION
 CUTTER & DRAIN SYSTEM = 45 SF = 0.3% OF ELEVATION
 METAL ROOF = 162 SF = 1.3% OF ELEVATION
 CLERESTORY GLAZING = 64 SF = 0.5% OF ELEVATION
 OVERHEAD & MAN DOORS - MANUFACTURERS FINISH = 614 SF = 4.9% OF ELEVATION
 OVERHEAD & MAN DOORS - DEC718 - MESA TAN = 195 SF = 1.5% OF ELEVATION

TOTAL ELEVATION AREA = 12,573 SF

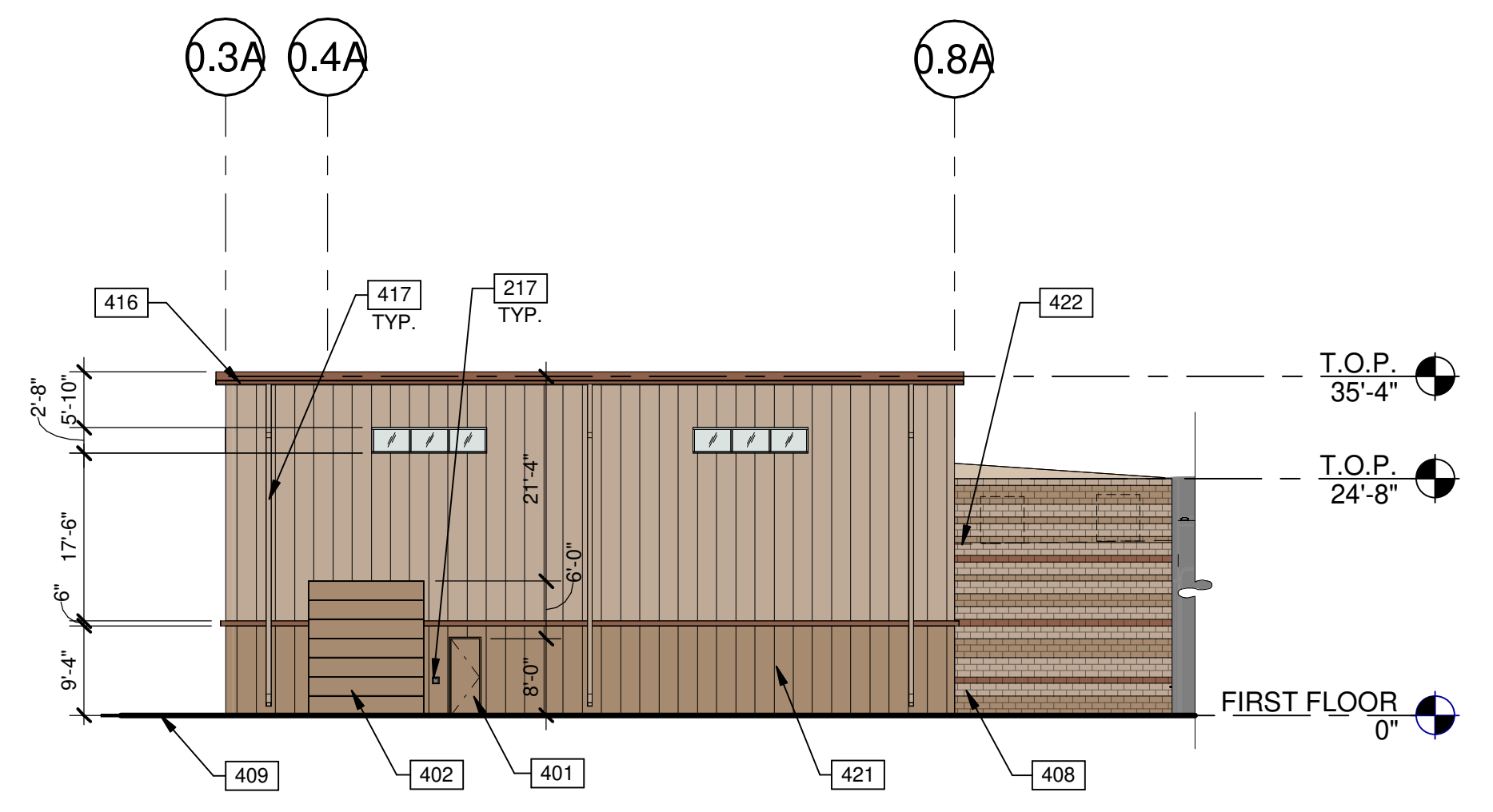
CALCULATION PER MATERIAL TYPES

CMU BLOCK TOTAL COMBINED = 560 SF = 4.5% OF ELEVATION
 PEMB TOTAL COMBINED = 10,742 SF = 85.4% OF ELEVATION
 METAL TOTAL COMBINED = 398 SF = 3.2% OF ELEVATION
 GLAZING TOTAL COMBINED = 64 SF = 0.5% OF ELEVATION
 DOOR TOTAL COMBINED = 809 SF = 6.4% OF ELEVATION

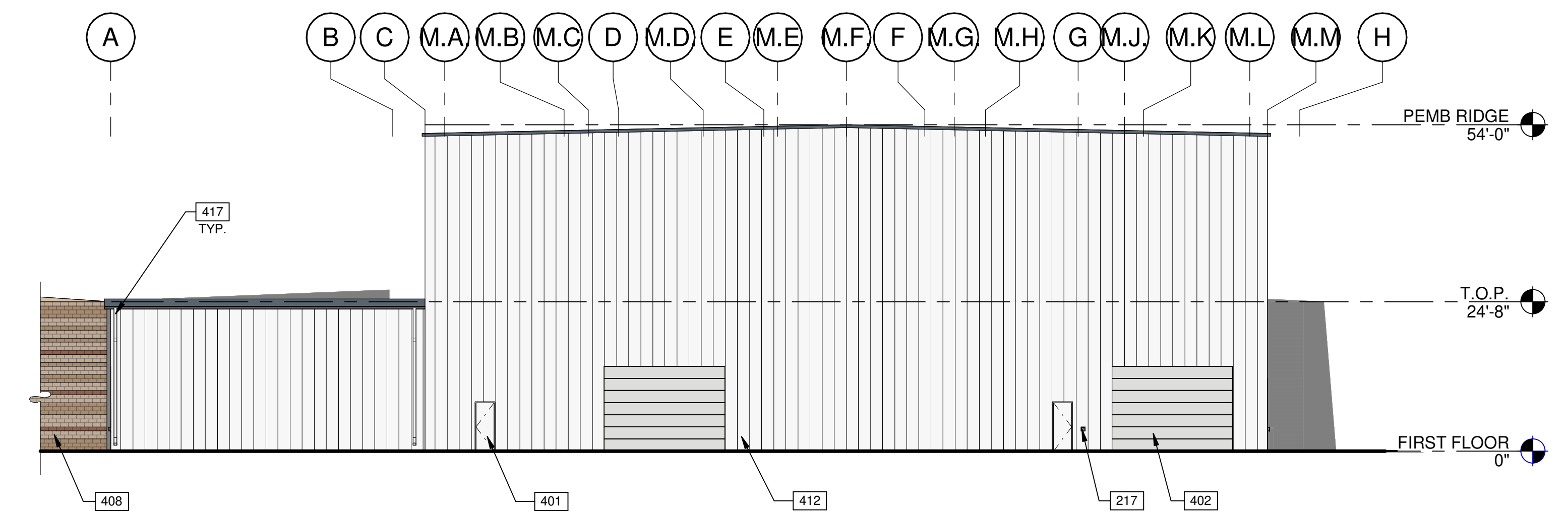
TOTAL ELEVATION AREA = 12,573 SF



OVERALL SOUTH ELEVATION 3
 SCALE: 1/16" = 1'-0"



1/16" = 1'-0"
 0 8' 16' 32' 64'
SOUTH ELEVATION - TRAINING CENTER 3A
 SCALE: 1/16" = 1'-0"



SOUTH ELEVATION - PEMB EXPANSION 3B
 SCALE: 1/16" = 1'-0"

LEGEND

COLORS:
 PROVIDE 6'-0" WIDE PAINT COLOR MOCK-UP FULL HEIGHT OF BUILDING FOR OWNER/ARCHITECT REVIEW.
 ALL WALLS TO BE PAINTED WITH BASE COLOR U.O.N.

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B	DUNN EDWARDS DEC747 - "SAHARA"
C	DUNN EDWARDS DE6105 - "WEATHERED LEATHER"
D	DUNN EDWARDS DEC718 - "MESA TAN"
E	PEMB PANEL - MANUFACTURER'S WHITE FINISH
F	RUSTED PATINA METAL
G	METAL LINTEL WITH 3" BOLT HEAD - DECORATIVE

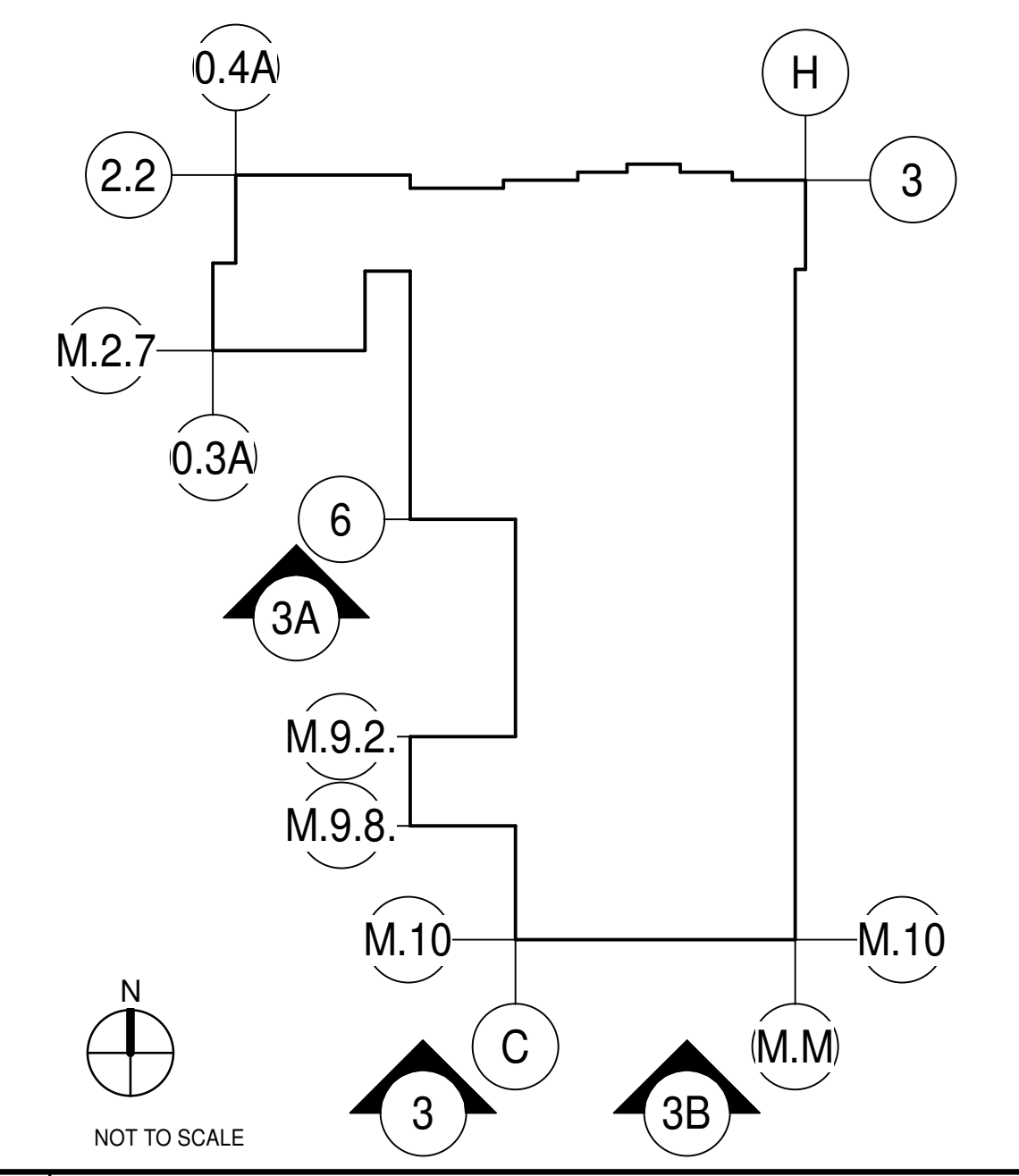
GLASS:

	VISION GLASS: 1" INSULATING BRONZE REFLECTIVE OLDCASTLE - IGU OB: 1/4" PPG SOLARCOOL BRONZE REFLECTIVE #2 AS: 1/2" (AIR FILL) IB: 1/4" PPG SOLARBAN 60 ON CLEAR LOW-E #3 U-FACTOR SUMMER DAYTIME: 0.27 SOLAR HEAT GAIN COEFFICIENT (SHGC): 0.18
	SPANDREL GLASS
	TEMPERED GLASS

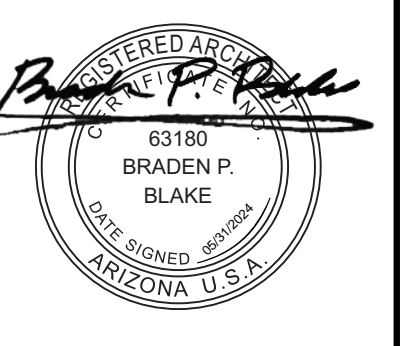
KEYNOTES:

- 217 SURFACE MOUNTED KNOX BOX LOCATION (REQ. AT ALL BUILDING EXIT DOORS, LOCATED ON DOOR STRIKE LEG SIDE).
- 401 HOLLOW METAL MAN DOOR.
- 402 OVERHEAD DOOR.
- 408 PAINTED CMU WALL.
- 409 FINISH GRADE VARIES.
- 412 METAL PANEL 26 GA EMBOSSED 'VEE-PANEL' OR EQUAL - BY PEMB.
- 416 DRAINAGE GUTTER SYSTEM.
- 417 DRAIN LEADER.
- 421 PAINTED PEMB.
- 422 LINE OF ROOF BEYOND.

KEY PLAN



WARE MALCOMB
 CIVIL ENGINEERING
 ARCHITECTURE
 PLANNING
 INTERIORS
 2777 L Camelback Rd Suite #325
 Phoenix, AZ 85016
 P 480.767.1001



METSO EXPANSION
 8223 EAST PECOSS ROAD
 MESA, ARIZONA, 85212

EXTERIOR ELEVATIONS

DATE	REMARKS
12/22/2023	PRESUBMITTAL
02/19/2024	P&Z SUBMITTAL
02/22/2024	DR SUBMITTAL
05/06/2024	DR AND P&Z RESUBMITTAL
05/05/2024	DR AND P&Z 2ND RESUBMITTAL

PA/PM: A.MADRID
 DRAWN BY: A.M.
 JOB NO.: PHX23-0173-00

SHEET
A211

CALCULATION PER MATERIAL DETAILS

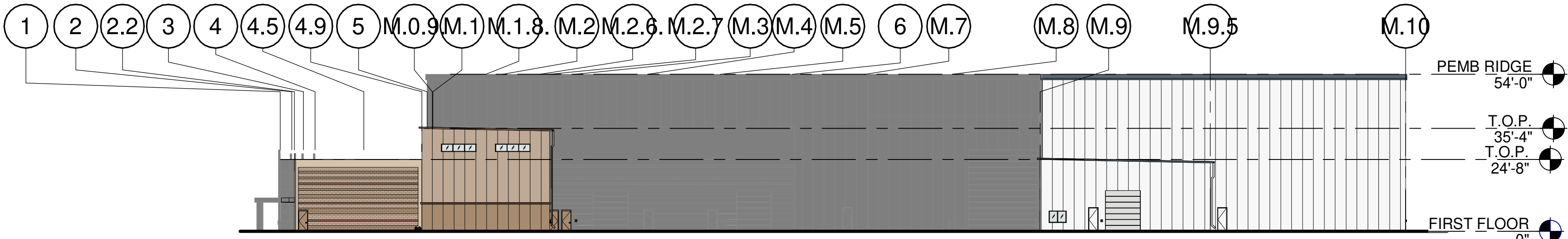
- *A PAINTED CMU BLOCK - DEC6123 - TRAIL DUST = 513 SF = 5.4% OF ELEVATION
- *A PAINTED PEMB METAL PANEL - DEC6123 - TRAIL DUST = 1,038 SF = 10.9% OF ELEVATION
- *B PAINTED STUCCO OVER CMU BLOCK - DEC747 - SAHARA = 176 SF = 1.9% OF ELEVATION
- *C PAINTED CMU BLOCK - DE6105 - WEATHERED LEATHER = 80 SF = 0.8% OF ELEVATION
- *C PAINTED GUTTER & DRAIN SYSTEM - DE6105 - WEATHERED LEATHER = 63 SF = 0.7% OF ELEVATION
- *C PAINTED PEMB TRIM - DEC6105 - WEATHERED LEATHER = 23 SF = 0.2% OF ELEVATION
- *D PAINTED CMU BLOCK - DEC718 - MESA TAN = 292 SF = 3.1% OF ELEVATION
- *D PAINTED PEMB METAL PANEL - DEC718 - MESA TAN = 411 SF = 4.3% OF ELEVATION
- *E PEMB METAL PANEL - MANUFACTURER WHITE FINISH = 6,266 SF = 65.7% OF ELEVATION
- GUTTER & DRAIN SYSTEM = 12 SF = 0.1% OF ELEVATION
- GLAZING = 88 SF = 0.9% OF ELEVATION
- OVERHEAD & MAN DOORS = 296 SF = 3.1% OF ELEVATION
- METAL ROOF = 278 SF = 2.9% OF ELEVATION

TOTAL ELEVATION AREA = 9,536 SF

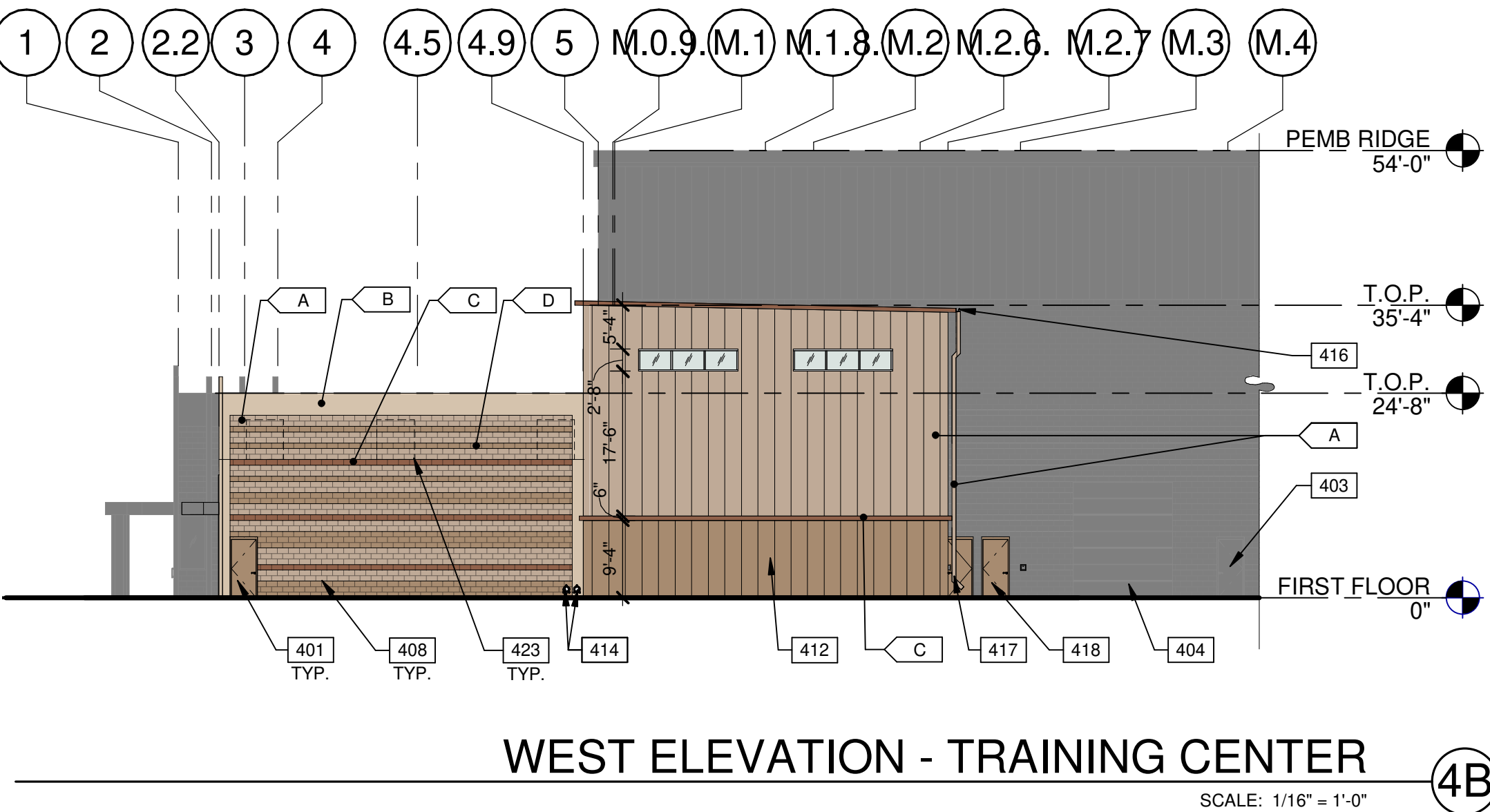
CALCULATION PER MATERIAL TYPES

- CMU BLOCK TOTAL COMBINED = 885 SF = 9.3% OF ELEVATION
- STUCCO TOTAL COMBINED = 176 SF = 1.9% OF ELEVATION
- PEMB TOTAL COMBINED = 7,738 SF = 81.1% OF ELEVATION
- METAL TOTAL COMBINED = 353 SF = 3.7% OF ELEVATION
- GLAZING TOTAL COMBINED = 88 SF = 0.9% OF ELEVATION
- DOOR TOTAL COMBINED = 296 SF = 3.1% OF ELEVATION

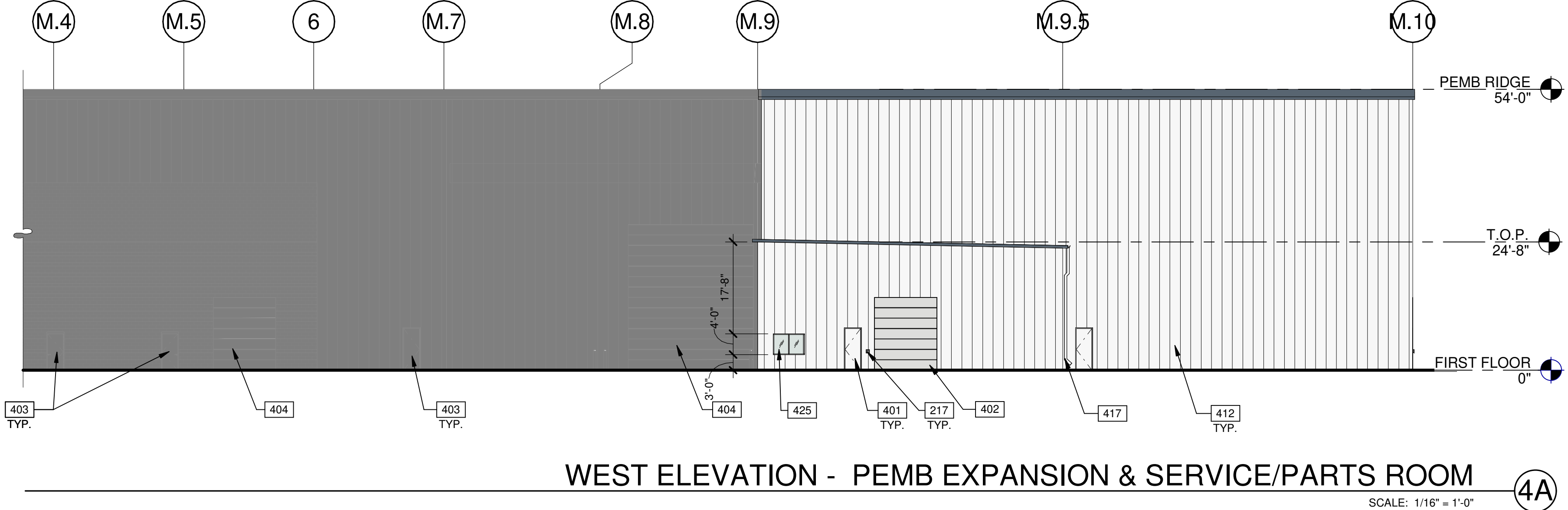
TOTAL ELEVATION AREA = 9,536 SF



OVERALL WEST ELEVATION



WEST ELEVATION - TRAINING CENTER



WEST ELEVATION - PEMB EXPANSION & SERVICE/PARTS ROOM

CALCULATION PER MATERIAL DETAILS

- STOREFRONT GLAZING = 126 SF = 72% OF ELEVATION
- MAN DOORS = 49 SF = 28% OF ELEVATION

TOTAL ELEVATION AREA = 175 SF*

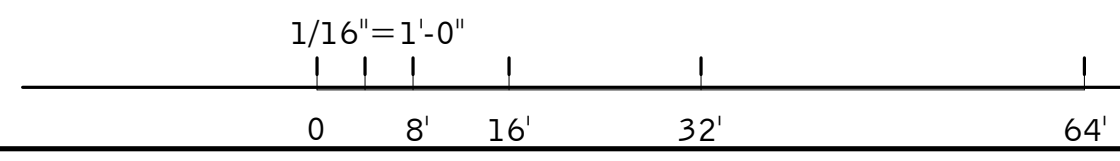
*PROPOSED SCOPE OF WORK ONLY NOT INCLUDING EXISTING

CALCULATION PER MATERIAL TYPES

- GLAZING TOTAL COMBINED = 126 SF = 72% OF ELEVATION
- DOOR TOTAL COMBINED = 49 SF = 28% OF ELEVATION

TOTAL ELEVATION AREA = 175 SF*

*PROPOSED SCOPE OF WORK ONLY NOT INCLUDING EXISTING



WEST ELEVATION - EXISTING BUILDING

LEGEND

COLORS:

PROVIDE 6'-0" WIDE PAINT COLOR MOCK-UP FULL HEIGHT OF BUILDING FOR OWNER/ARCHITECT REVIEW.

ALL WALLS TO BE PAINTED WITH BASE COLOR U.O.N.

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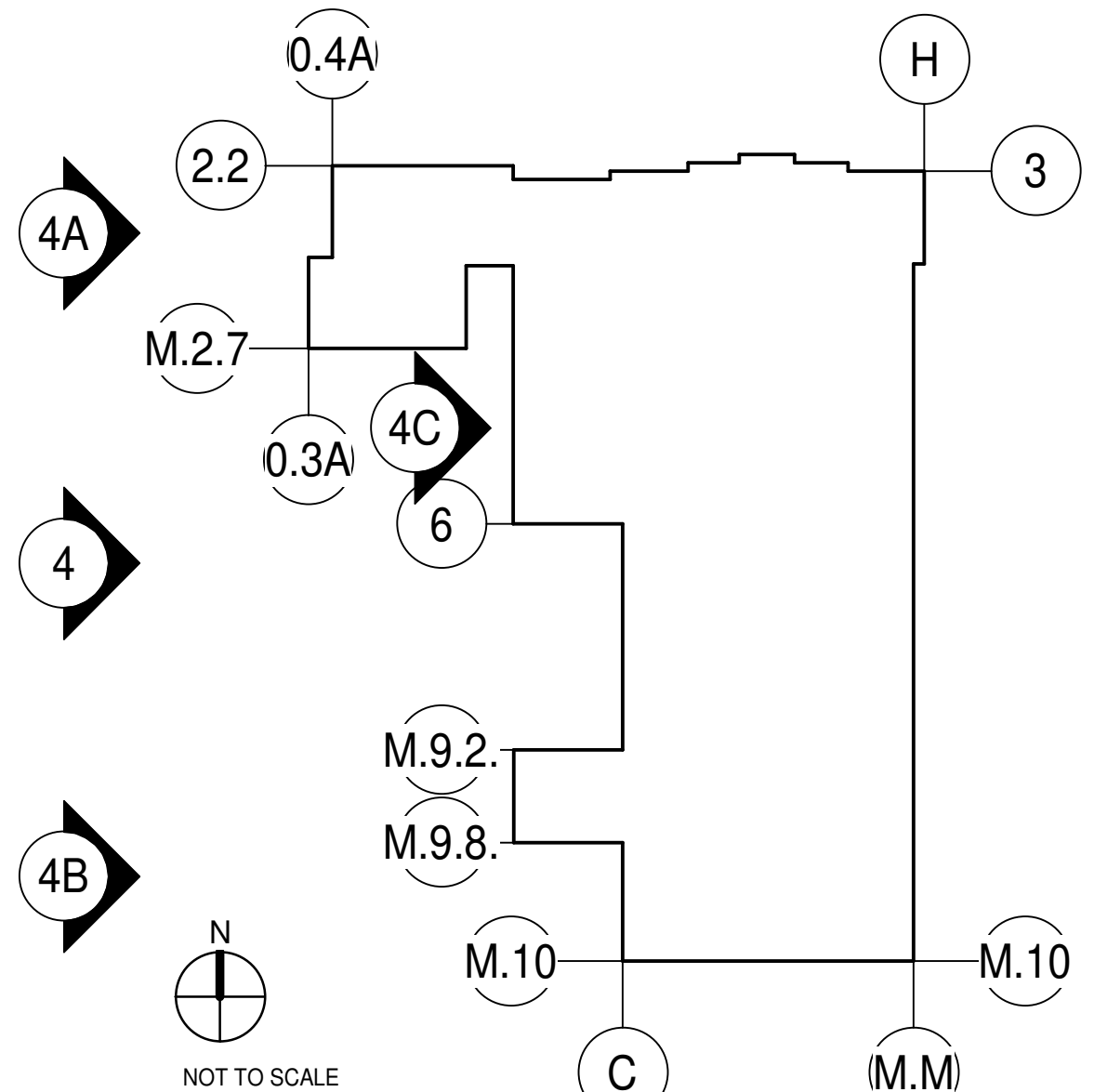
GLASS:

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	SPANDREL GLASS
	TEMPERED GLASS

KEYNOTES:

- 216 RECESSED KNOX BOX LOCATION (REQ. AT ALL BUILDING EXIT DOORS AND FIRE PUMP ROOM. LOCATED ON DOOR STRIKE LEG SIDE).
- 217 SURFACE MOUNTED KNOX BOX LOCATION (REQ. AT ALL BUILDING EXIT DOORS. LOCATED ON DOOR STRIKE LEG SIDE).
- 401 HOLLOW METAL MAN DOOR.
- 402 OVERHEAD DOOR.
- 403 EXISTING HOLLOW METAL MAN DOOR.
- 404 EXISTING OVERHEAD DOOR.
- 408 PAINTED CMU WALL.
- 410 ALUMINUM STOREFRONT SYSTEM WITH 1" INSULATED GLASS.
- 412 METAL PANEL 26 GA EMBOSSED 'VEE-PANEL' OR EQUAL - BY PEMB.
- 414 LAMBS TONGUE ROOF DRAINAGE DAYLIGHT LOCATIONS.
- 416 DRAINAGE GUTTER SYSTEM.
- 417 DRAIN LEADER.
- 418 HOLLOW METAL MAN DOOR ACCESS TO PROPOSED FIRE RISER ROOM.
- 419 GRAY HATCH INDICATES EXISTING BUILDING THAT IS TO REMAIN.
- 420 EXISTING BOLLARD.
- 423 PROPOSED SCREENED HVAC UNITS.
- 425 SHIPPING AND RECEIVING WINDOW.

KEY PLAN



WARE MALCOMB

CIVIL ENGINEERING
ARCHITECTURE
PLANNING
INTERIORS

2777 E Camelback Rd Suite #325
Phoenix, AZ 85016
P 480.767.1001

BRADEN P. BLAKE
63180
BRADEN P. BLAKE
DATE SIGNED: 05/06/2024
ARIZONA U.S.A.

METSO EXPANSION

8223 EAST PECOSS ROAD
MESA, ARIZONA, 85212

EXTERIOR ELEVATIONS

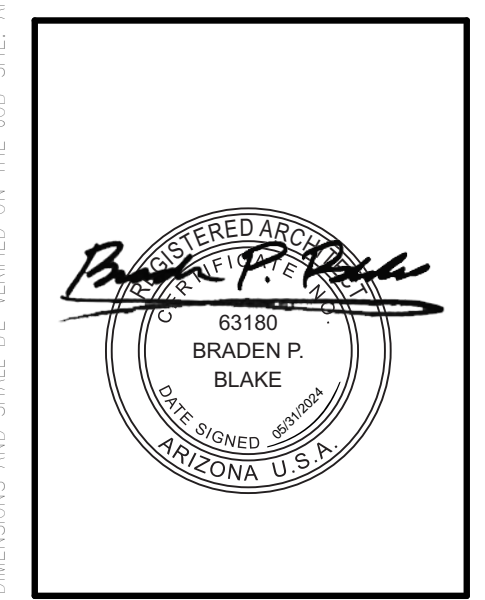
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PA/PM: A.MADRID
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SHEET
A212

WARE MALCOMB
 CIVIL ENGINEERING
 ARCHITECTURE
 PLANNING
 INTERIORS

2777 E Camelback Rd, Suite #325
 Phoenix, AZ 85016
 P 480.767.1001



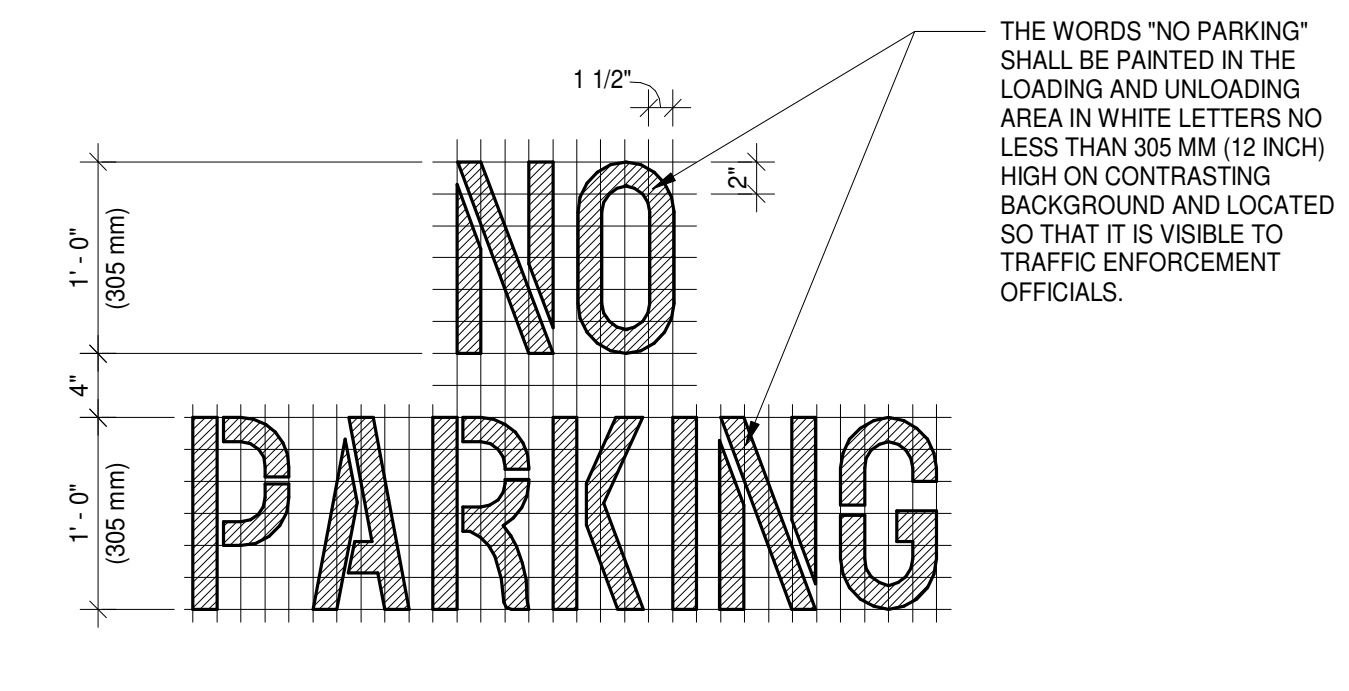
METSO EXPANSION
 8223 EAST PECOSS ROAD
 MESA, ARIZONA, 85212

SITE DETAILS

DATE	REMARKS
12/22/2023	PRESUBMITTAL
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02/22/2024	DR SUBMITTAL
05/06/2024	DR AND P&Z RESUBMITTAL
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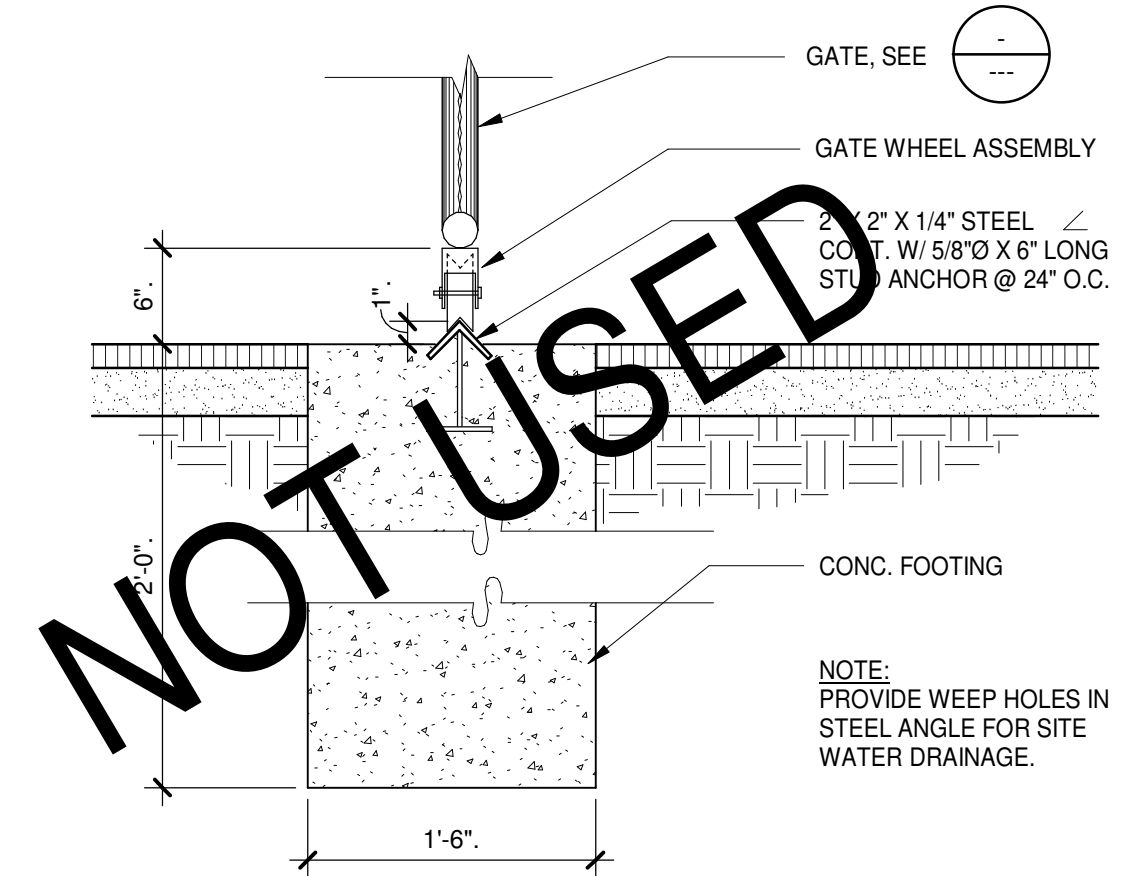
PA/PM: A.MADRID
 DRAWN BY: A.M.
 JOB NO.: PHX23-0173-00

SHEET
A510



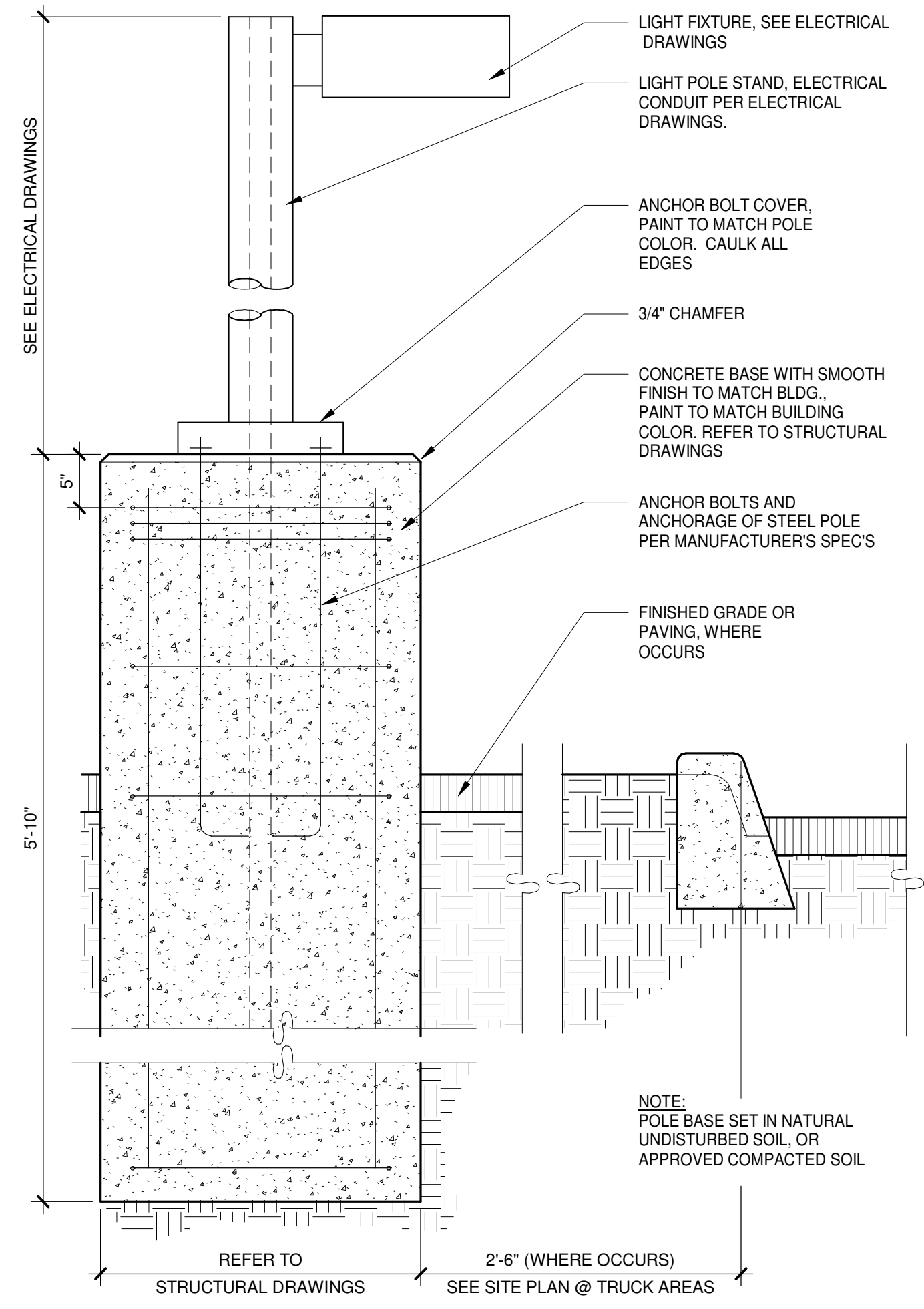
THE WORDS "NO PARKING" SHALL BE PAINTED IN THE LOADING AND UNLOADING AREA IN WHITE LETTERS NO LESS THAN 305 MM (12 INCH) HIGH ON CONTRASTING BACKGROUND AND LOCATED SO THAT IT IS VISIBLE TO TRAFFIC ENFORCEMENT OFFICIALS.

"NO PARKING" PAVEMENT MARKING
 SCALE: 1" = 1'-0" (13)



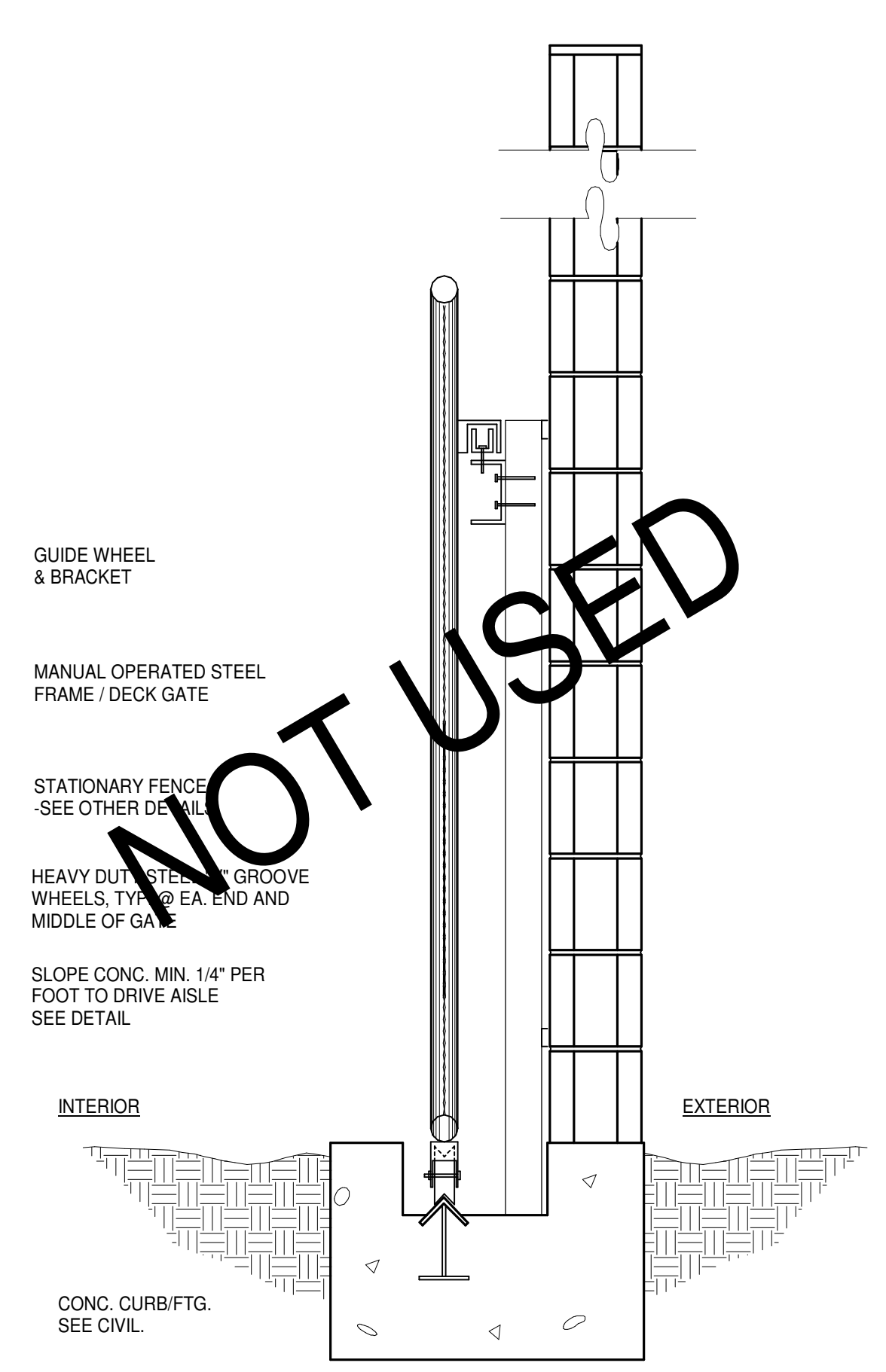
NOT USED

SLIDING GATE - TRACK
 SCALE: 3/4" = 1'-0" (9)



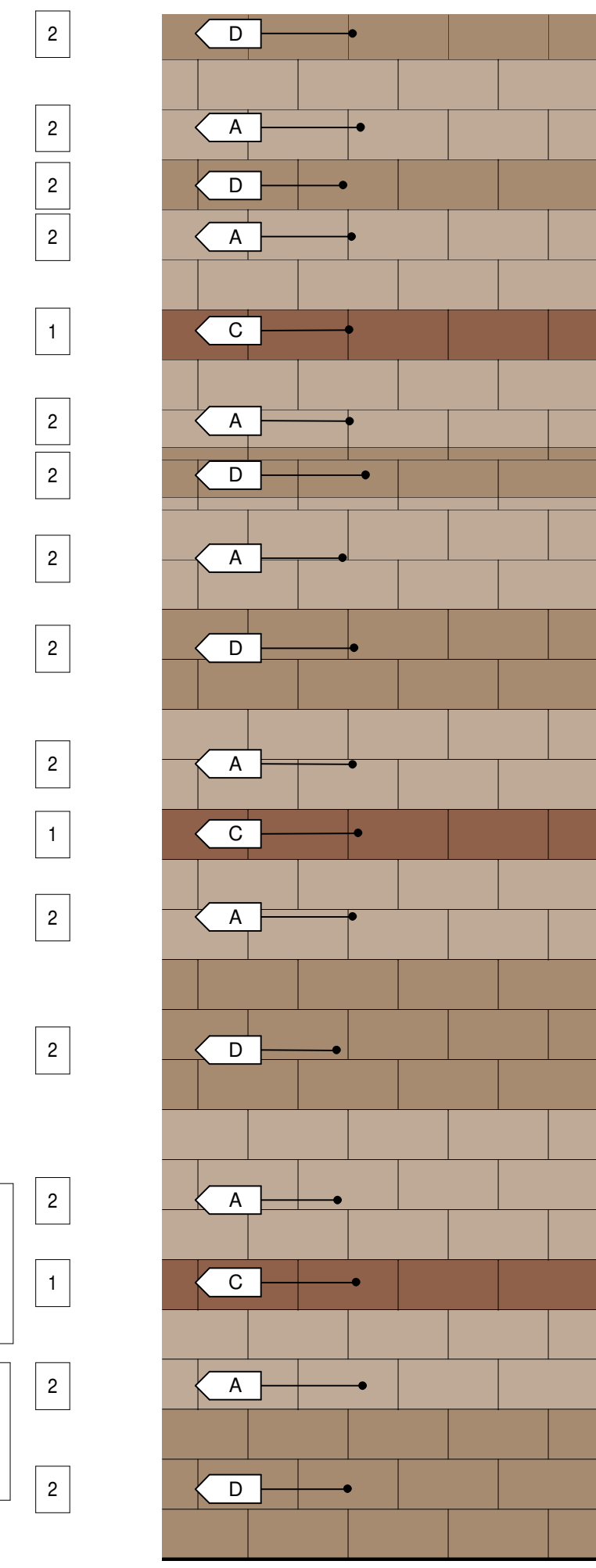
ANCHOR BOLT COVER, PAINT TO MATCH POLE COLOR, CAULK ALL EDGES
 3/4" CHAMFER
 CONCRETE BASE WITH SMOOTH FINISH TO MATCH BLDG. PAINT TO MATCH BUILDING COLOR. REFER TO STRUCTURAL DRAWINGS
 ANCHOR BOLTS AND ANCHORAGE OF STEEL POLE PER MANUFACTURER'S SPECS
 FINISHED GRADE OR PAVING, WHERE OCCURS

LIGHT POLE BASE AND FOOTING
 SCALE: 1" = 1'-0" (15)



NOT USED

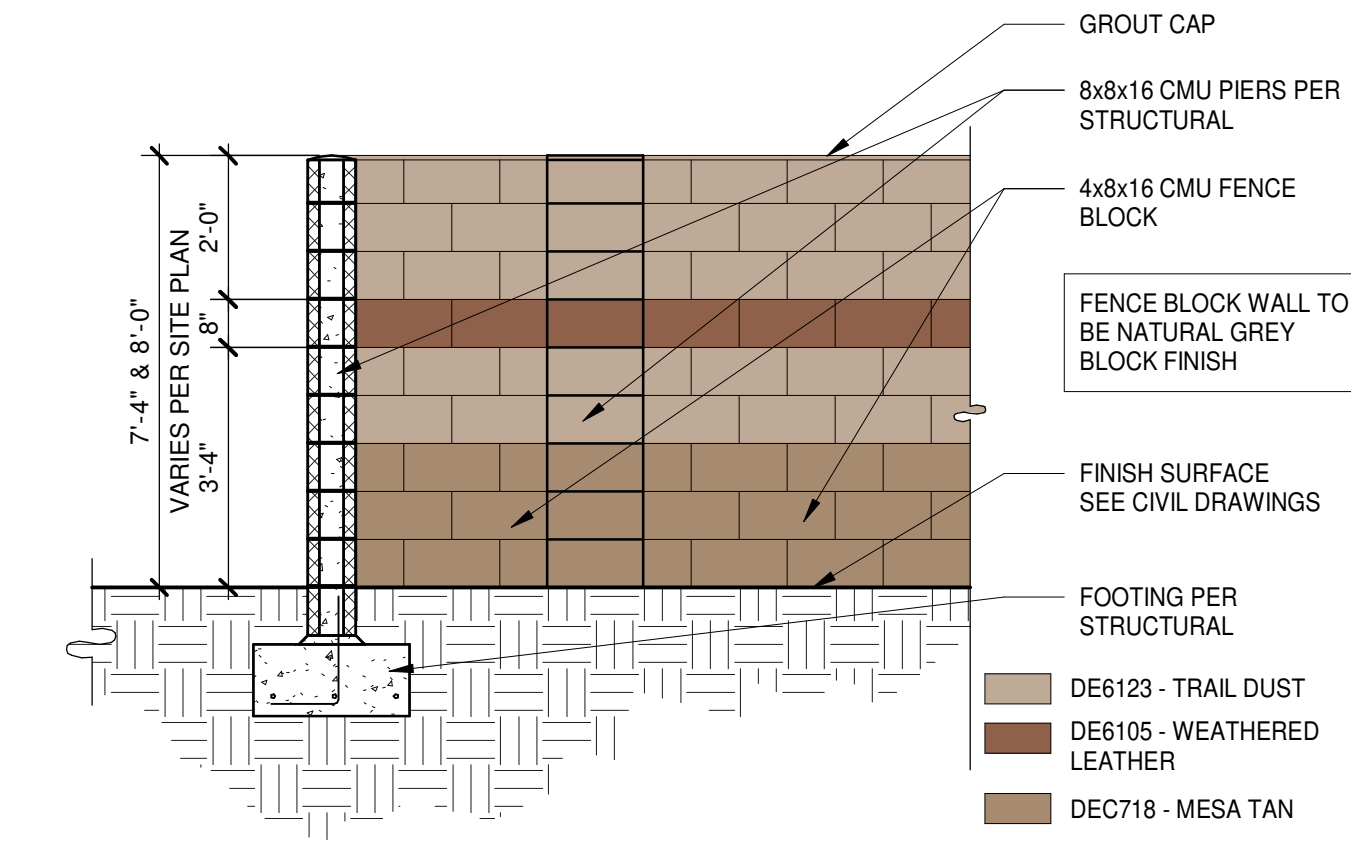
SLIDING GATE SECTION
 SCALE: 1" = 1'-0" (11)



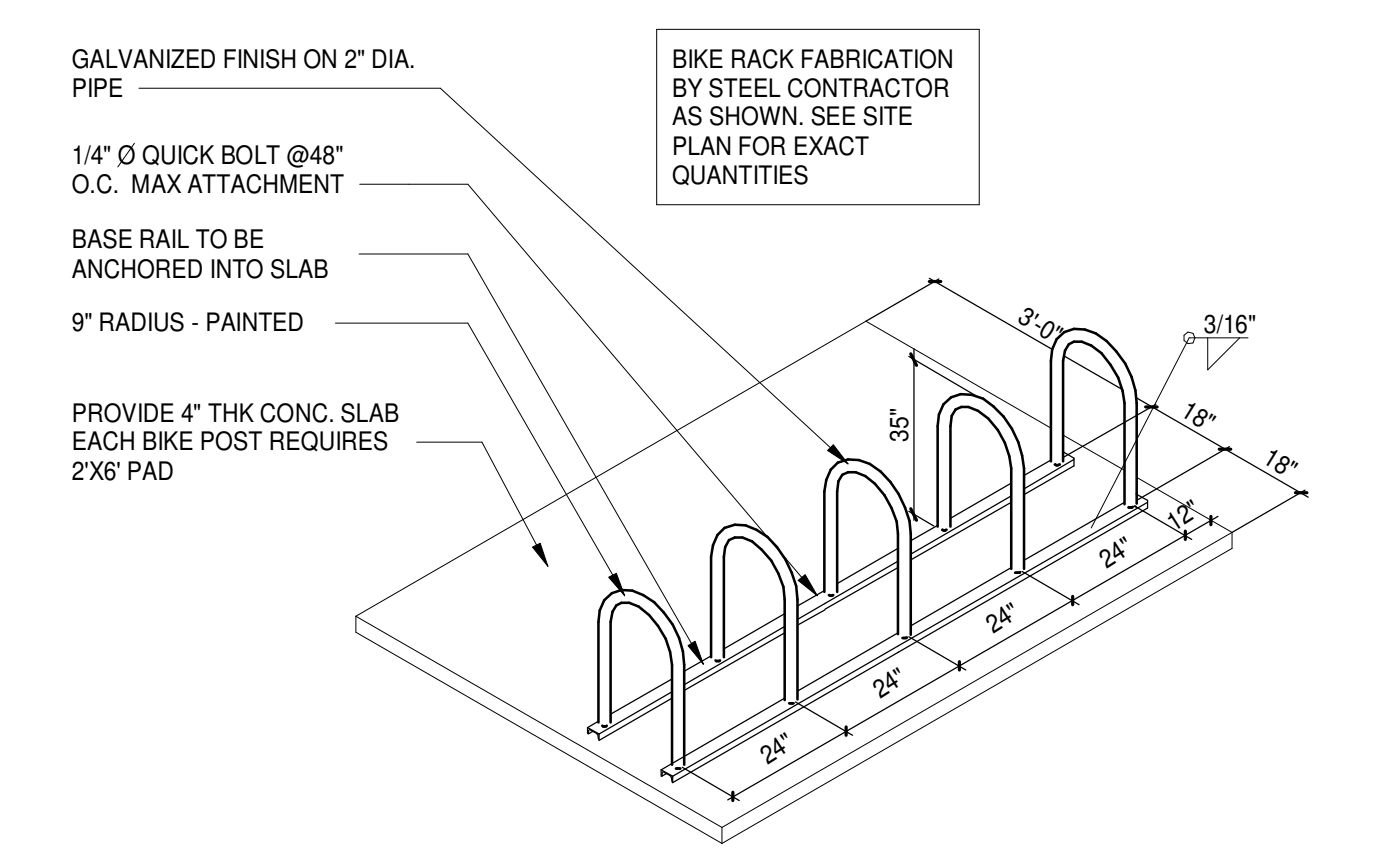
COLOR KEY
 "A" - DUNN EDWARDS DE6123 - "TRAIL DUST"
 "C" - DUNN EDWARDS DE6105 - "WEATHERED LEATHER"
 "D" - DUNN EDWARDS DEC718 - "MESA TAN"

MATERIAL KEY
 "1" - SPLIT FACE 8 X 8 X 16 CMU
 "2" - SMOOTH FACE REGULAR STRUCK 8 X 8 X 16 CMU

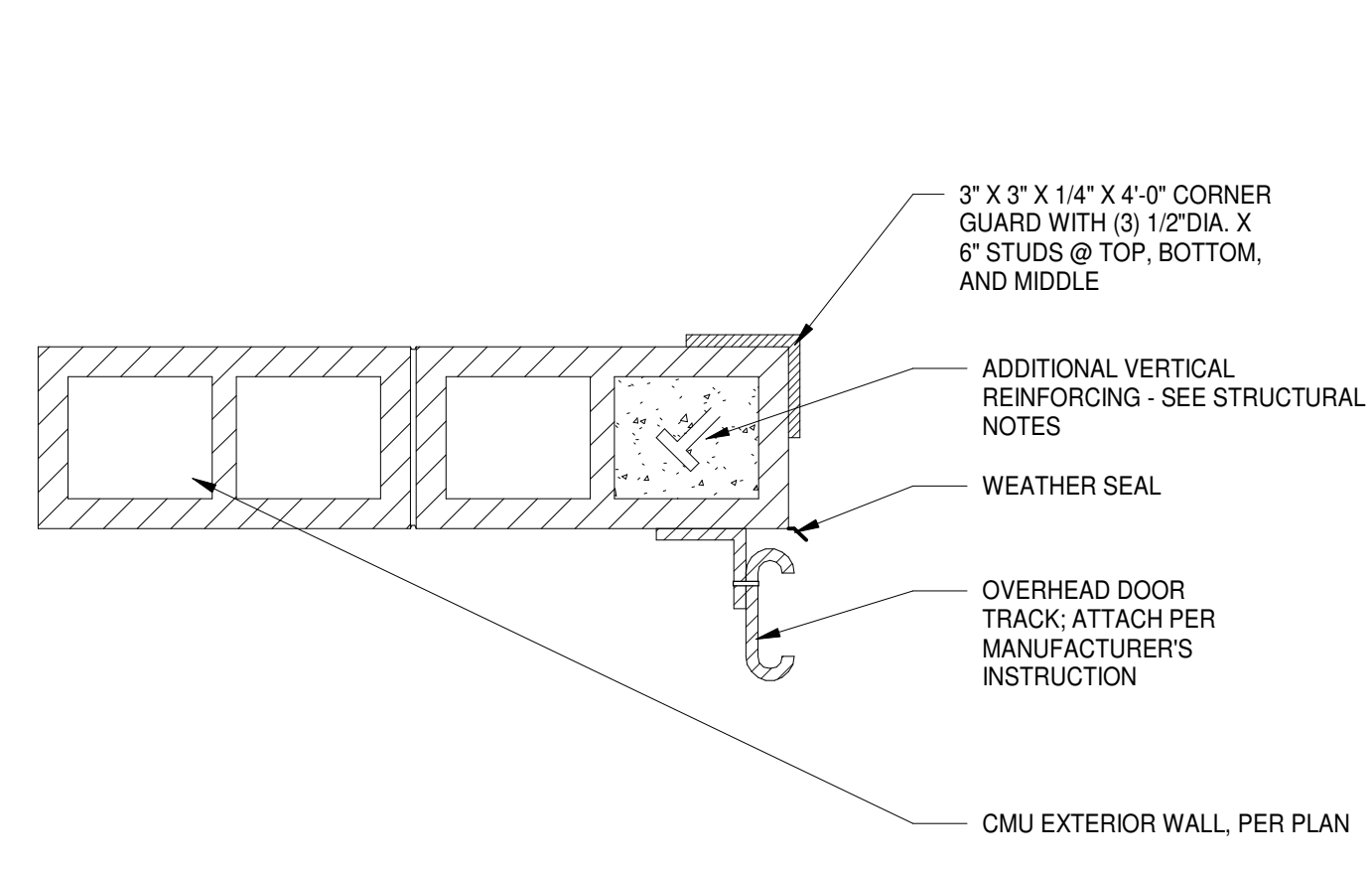
TYPICAL COLOR BAND ELEVATION
 SCALE: 1/2" = 1'-0" (6)



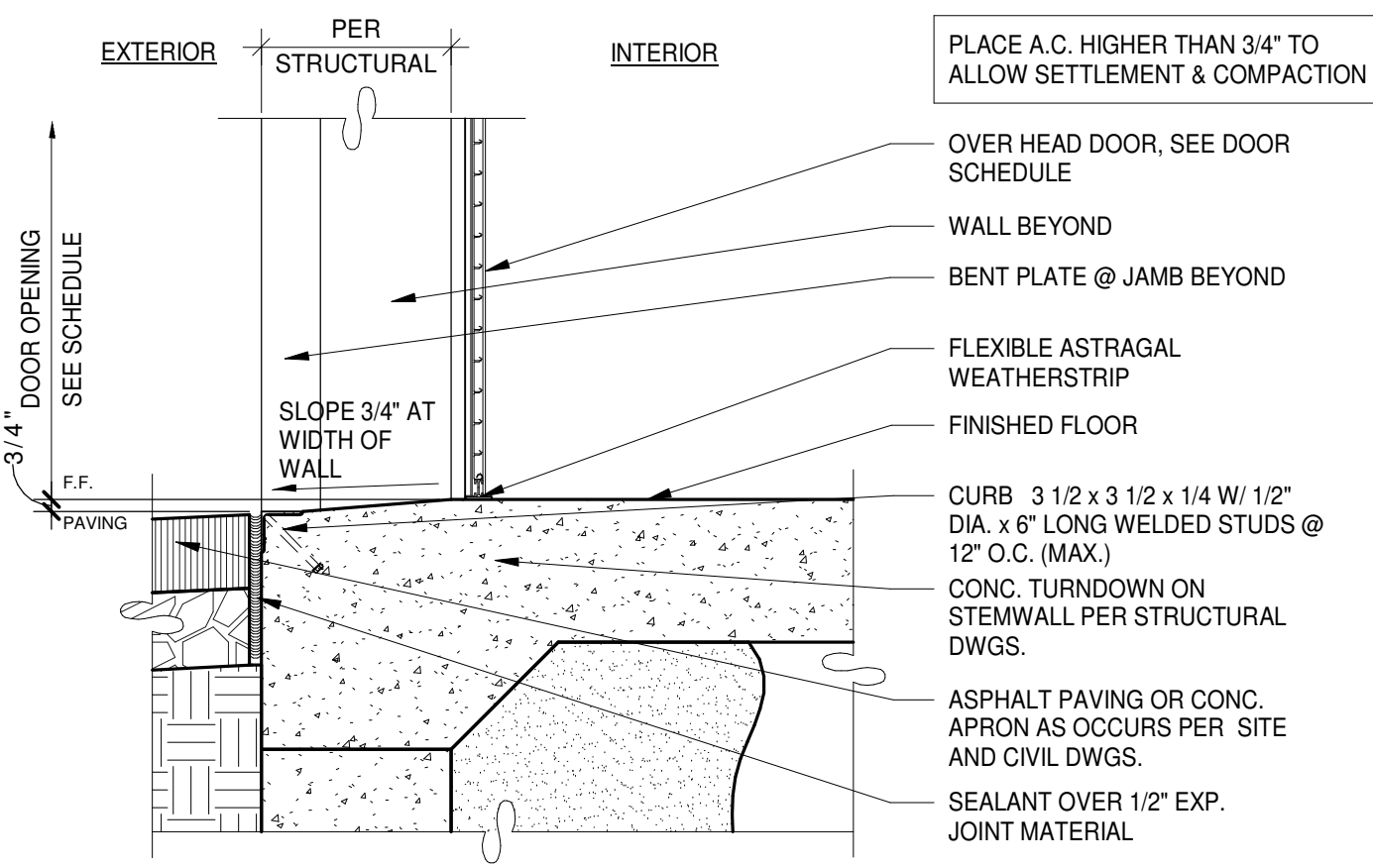
YARD FENCE BLOCK - ELEVATION
 SCALE: 3/8" = 1'-0" (1)



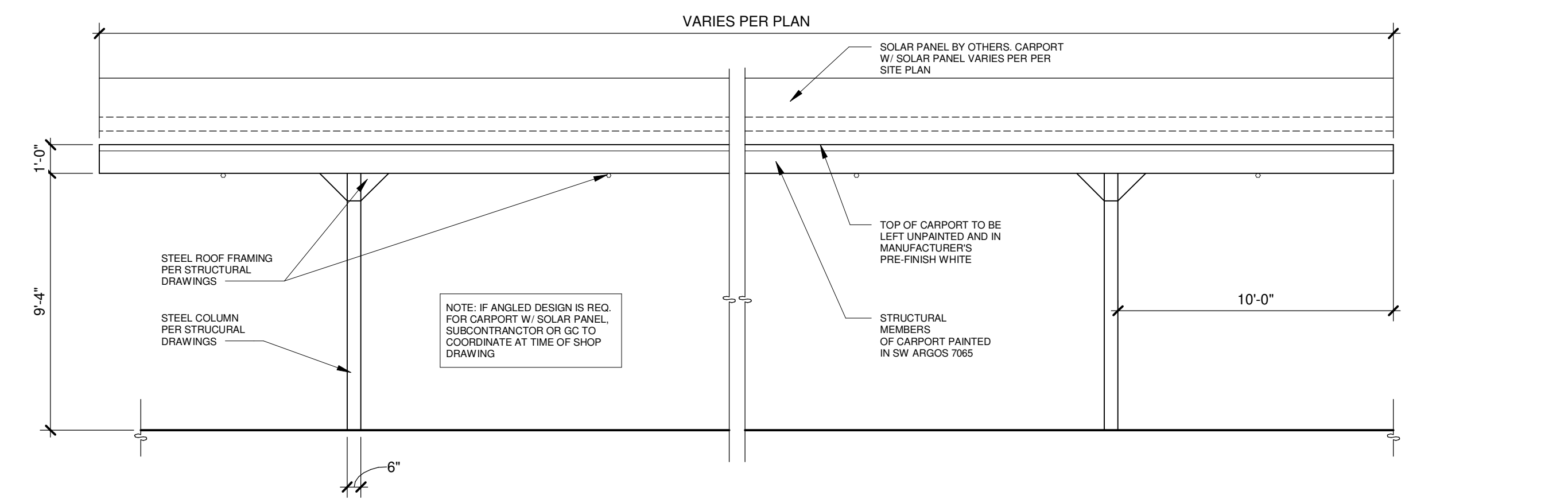
BIKE RACK - ISOMETRIC VIEW
 SCALE: 1/4" = 1'-0" (2)



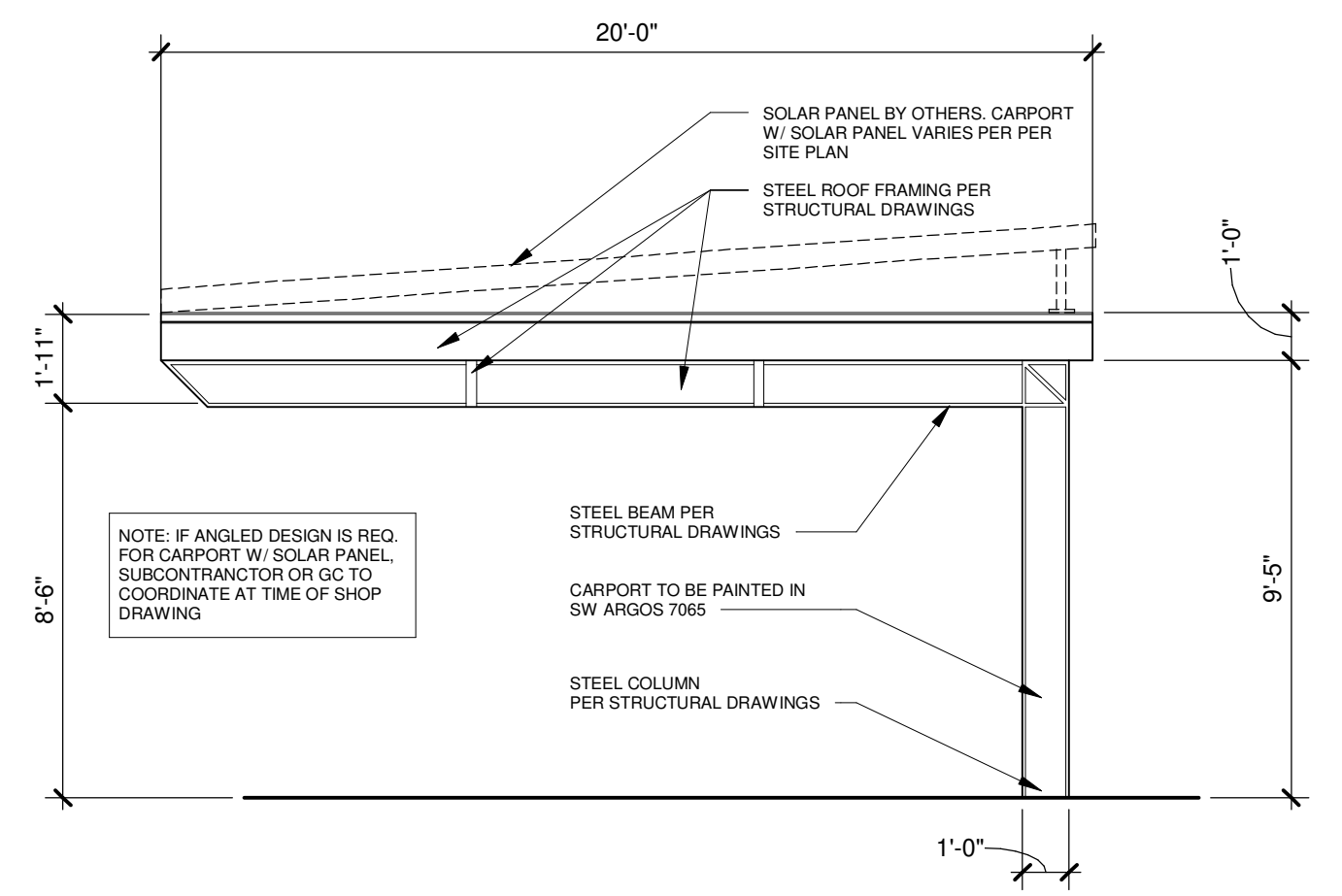
OVERHEAD DOOR JAMB
 SCALE: 1 1/2" = 1'-0" (7)



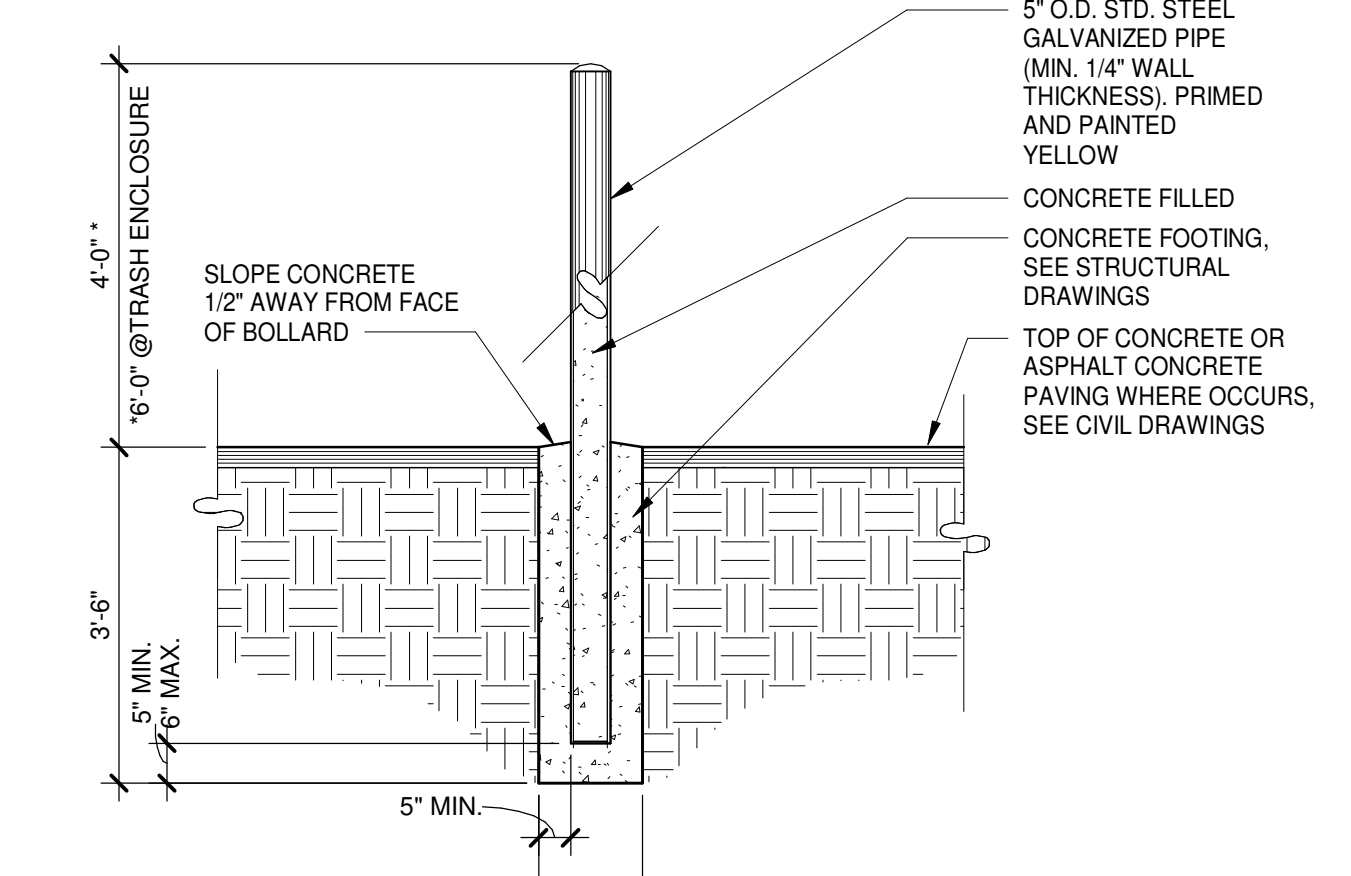
ROLL-UP DOOR SILL AT GRADE
 SCALE: 1 1/2" = 1'-0" (3)



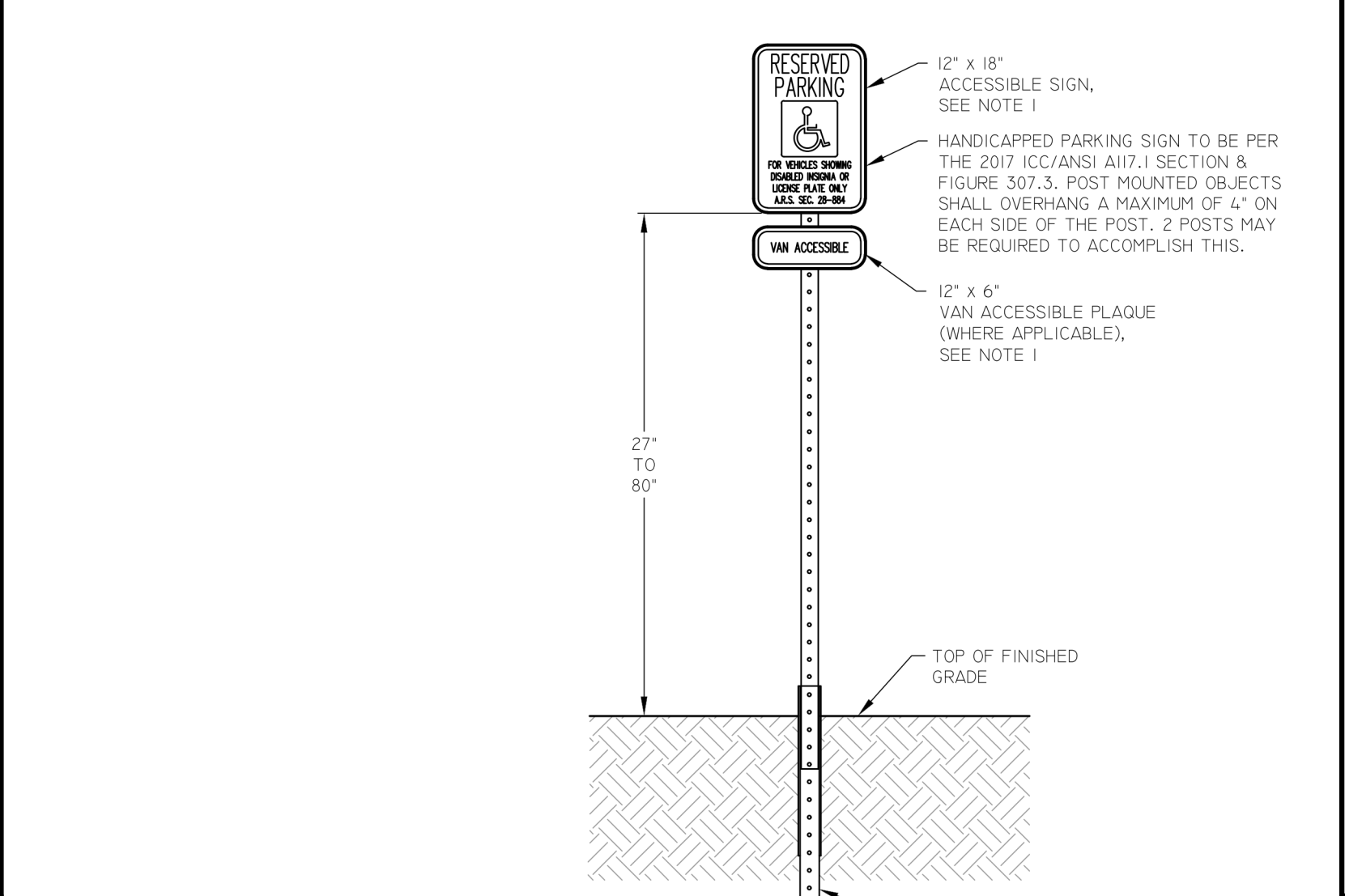
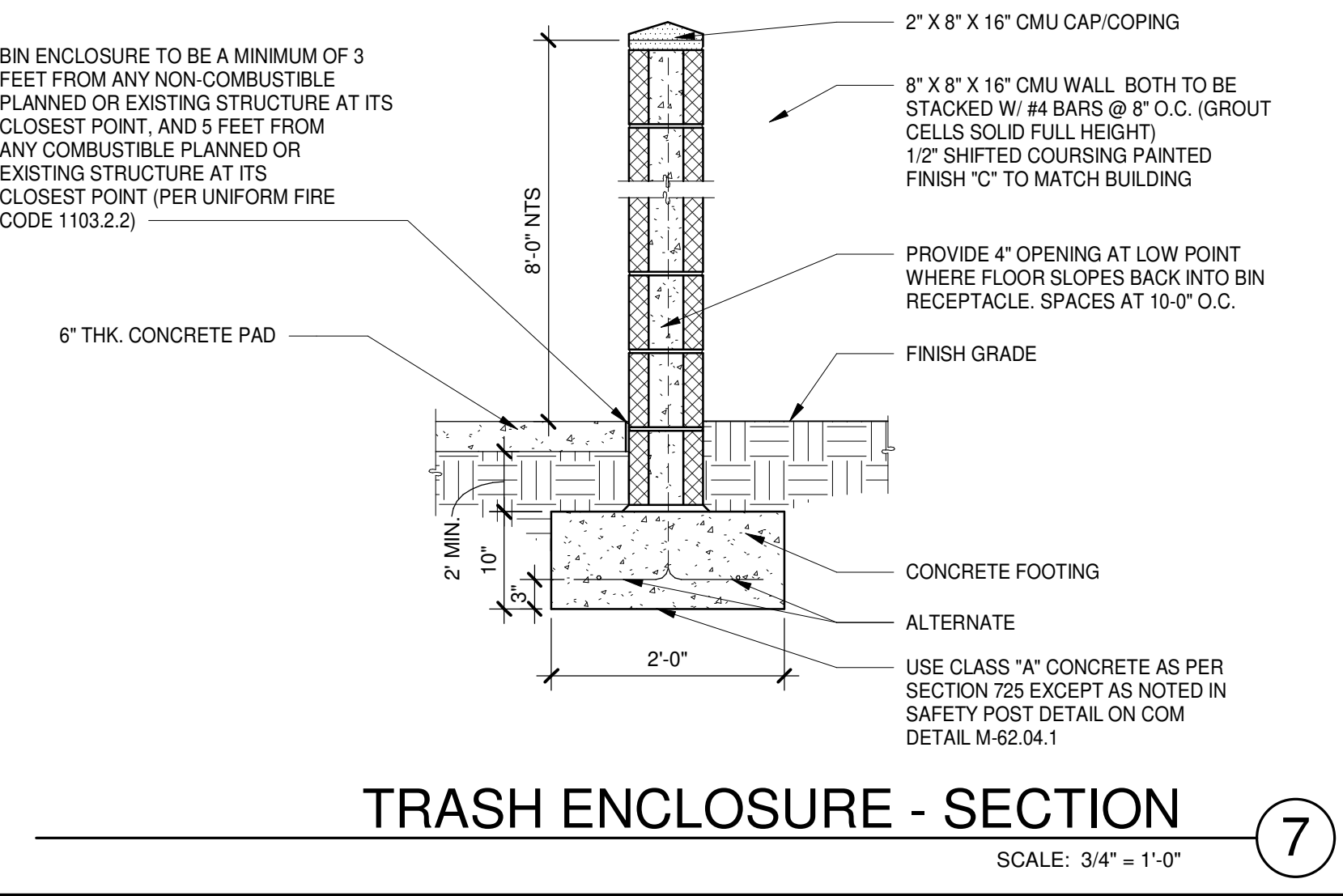
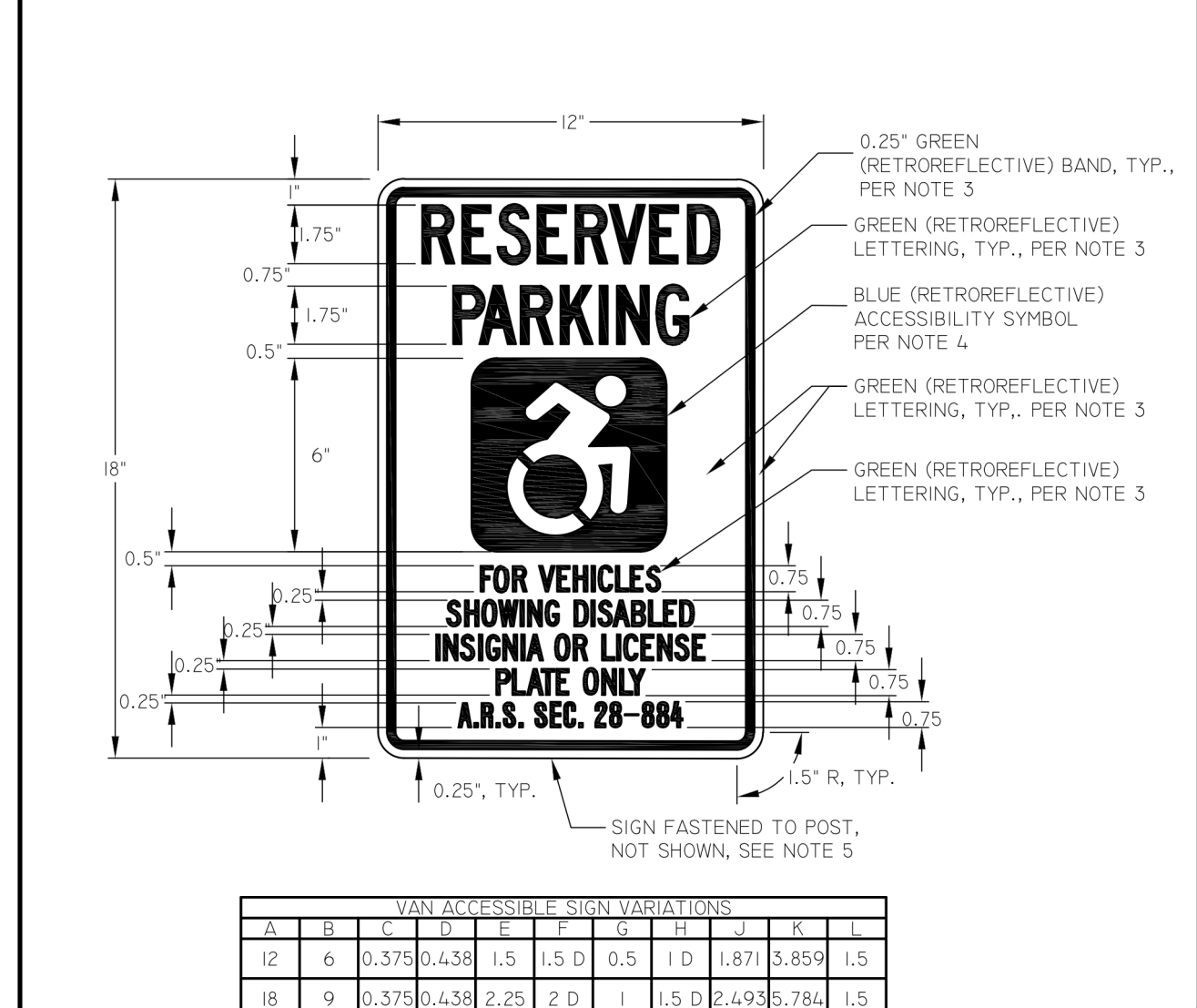
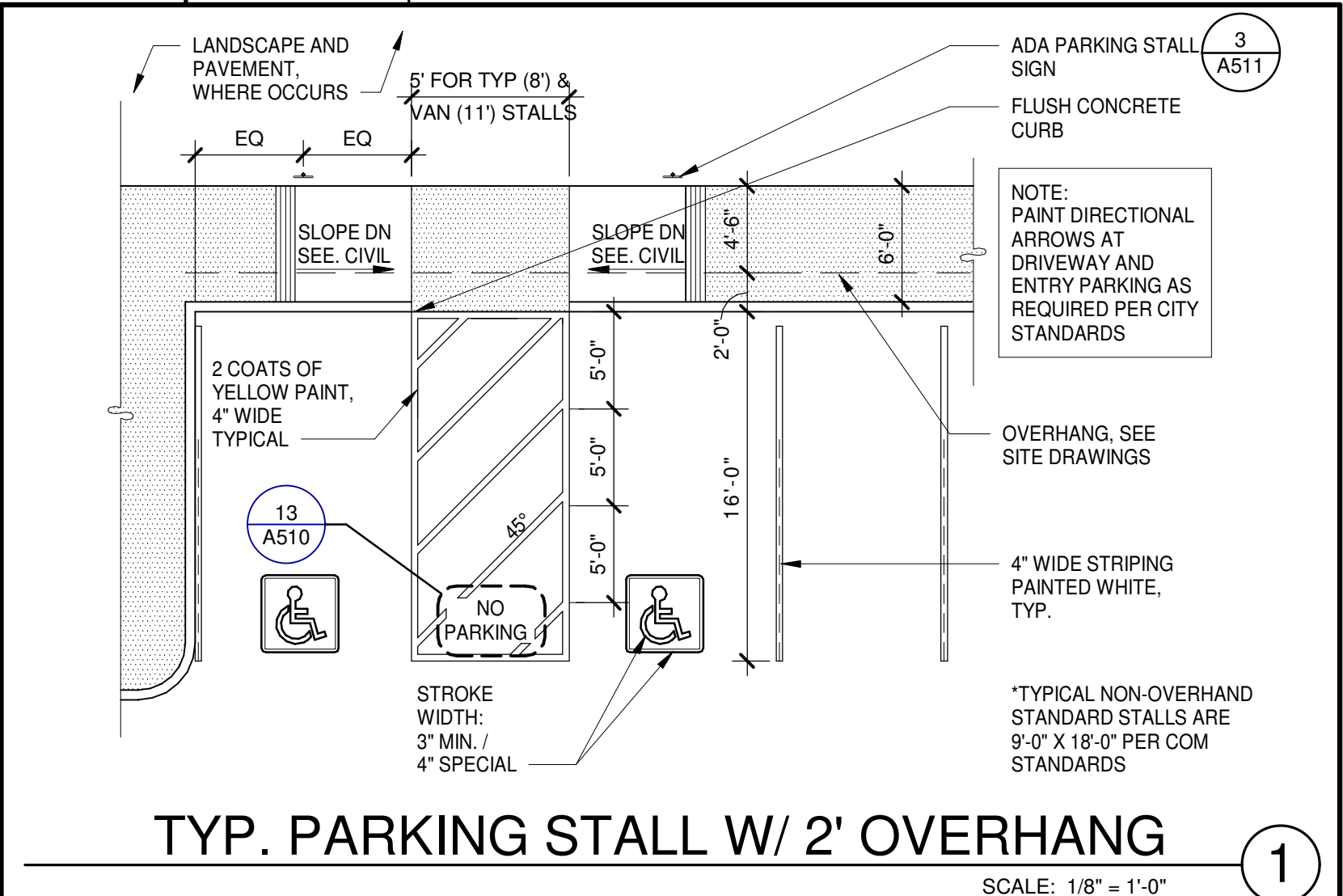
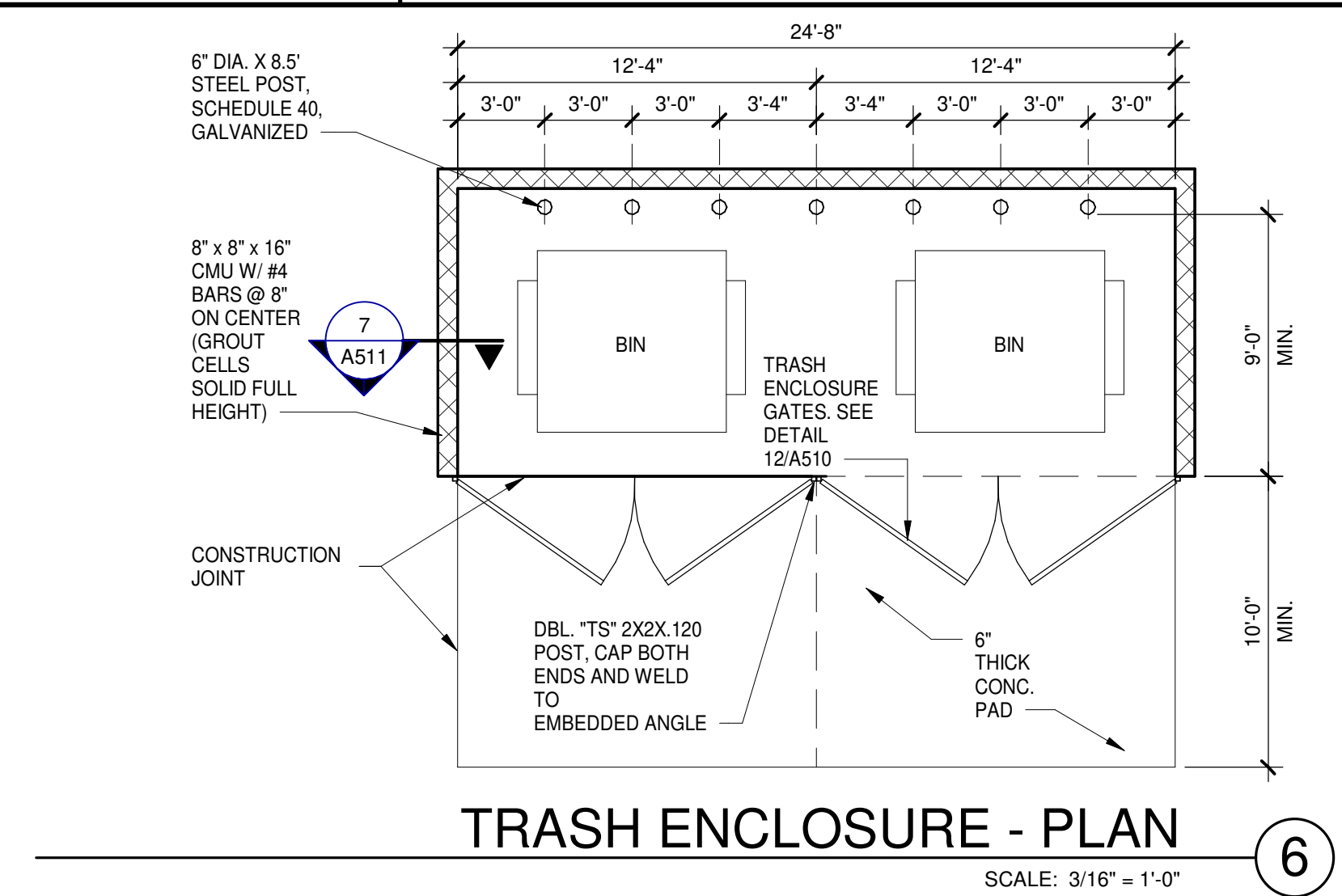
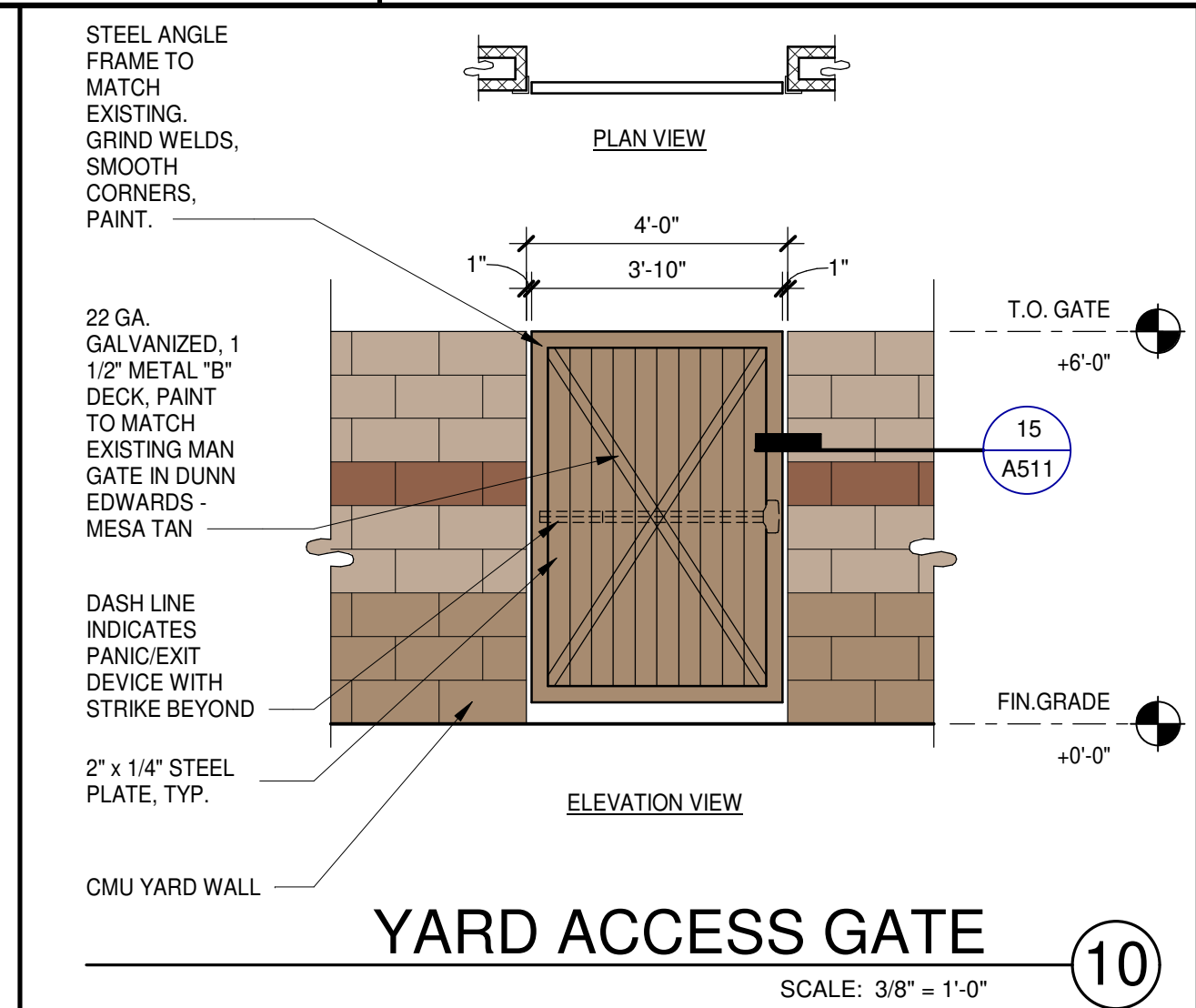
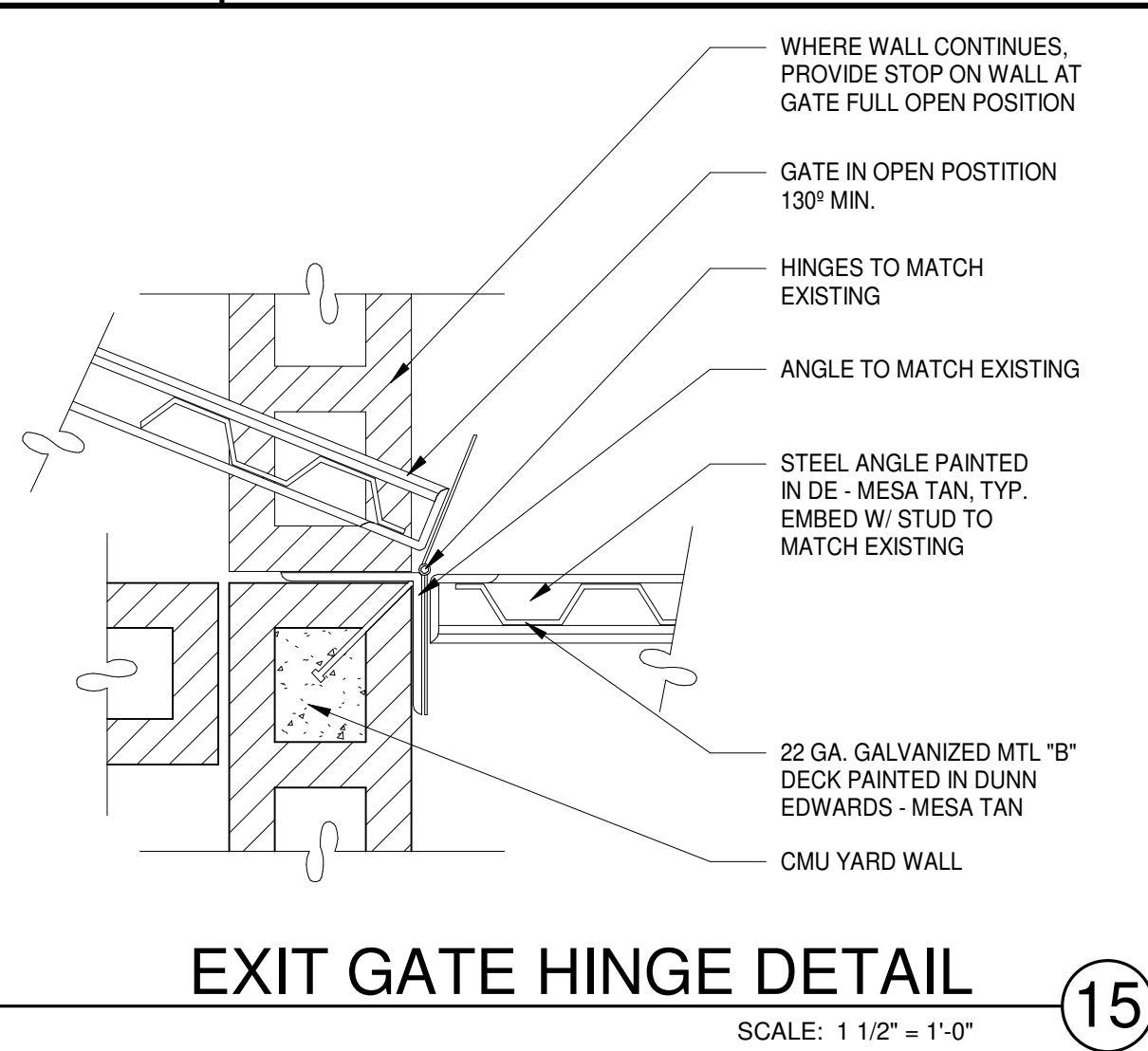
CARPOT - ELEVATION
 SCALE: 1/4" = 1'-0" (12)



CARPOT - SECTION
 SCALE: 1/4" = 1'-0" (8)



BOLLARD
 SCALE: 1/2" = 1'-0" (4)

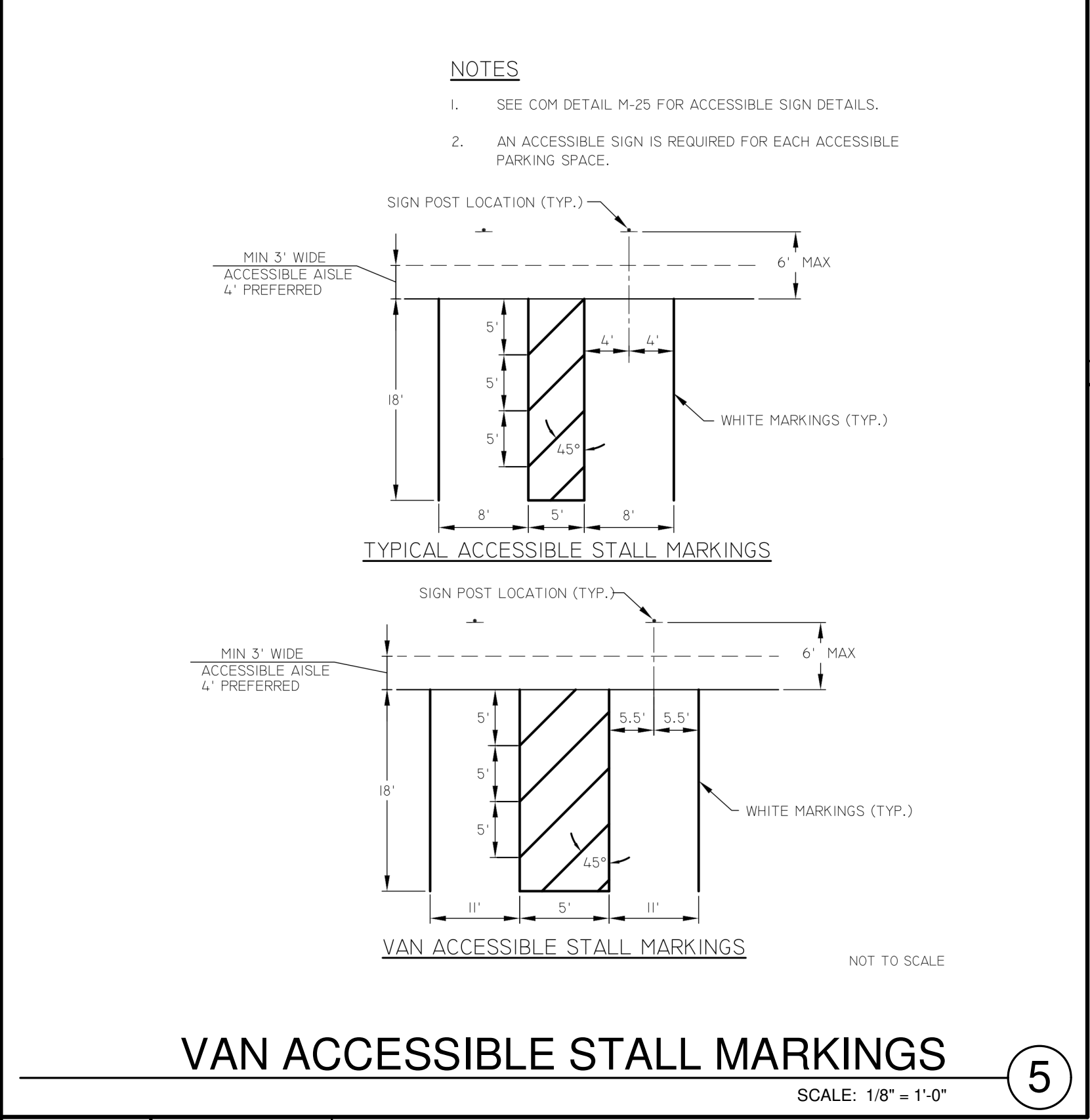
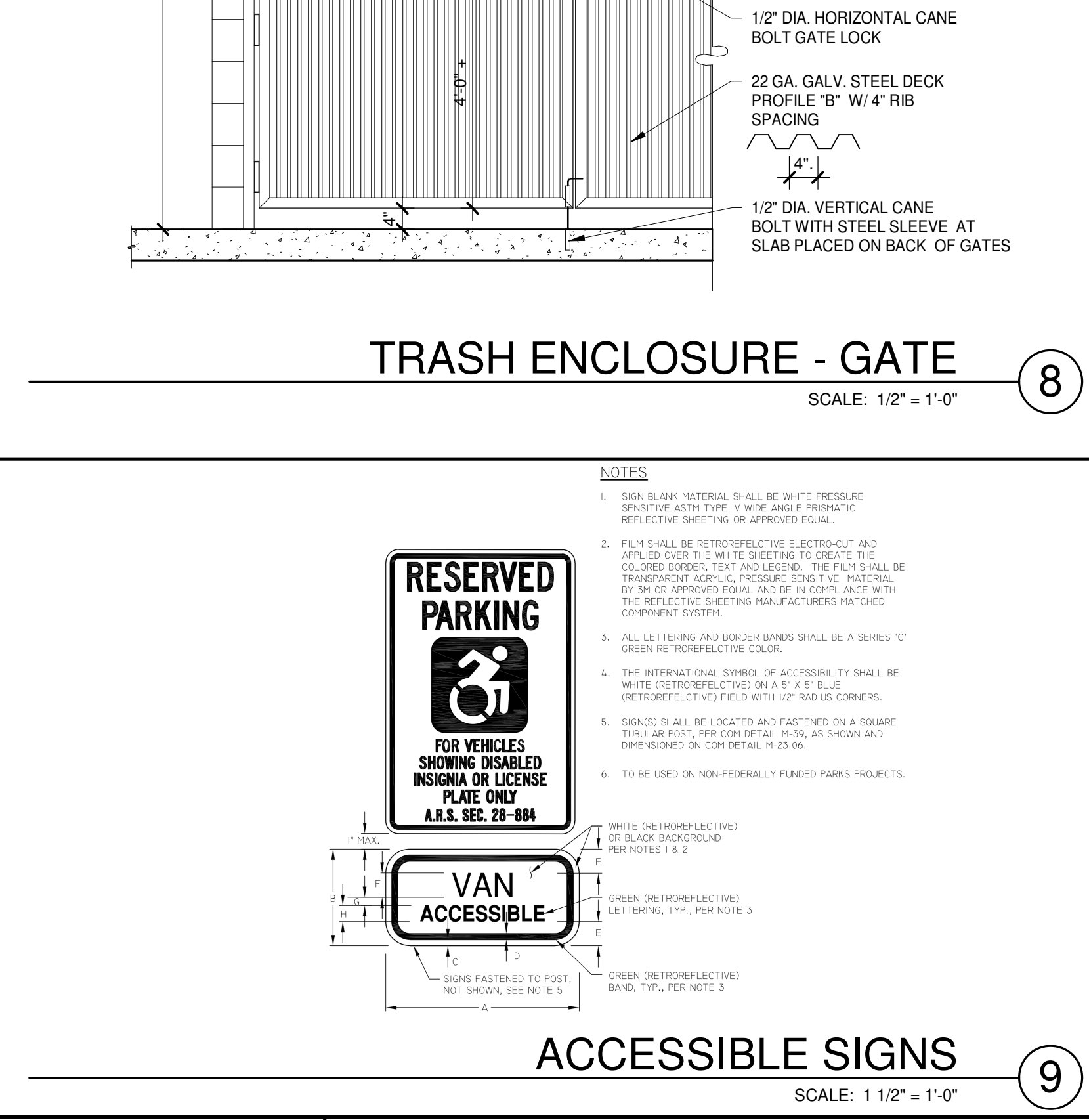
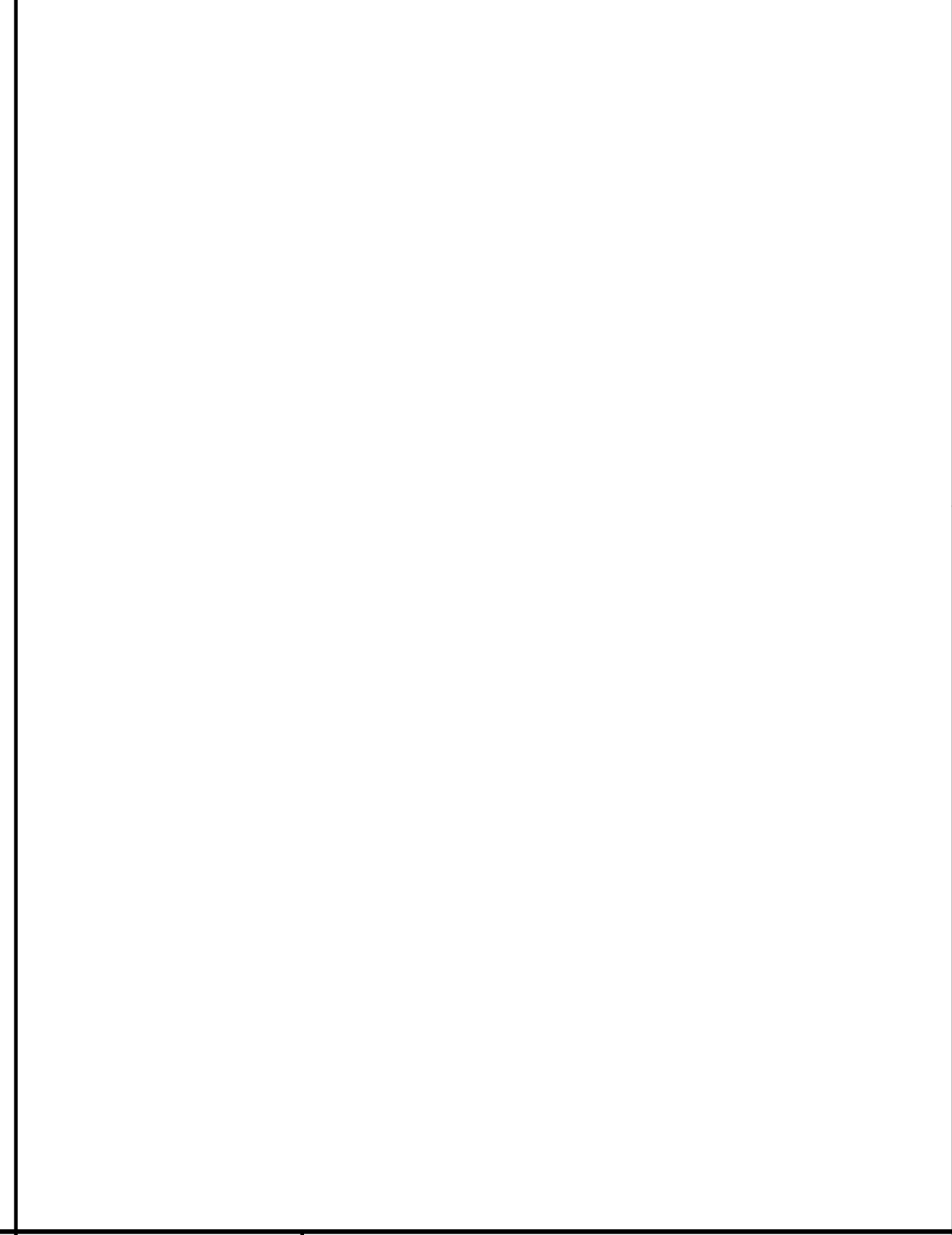
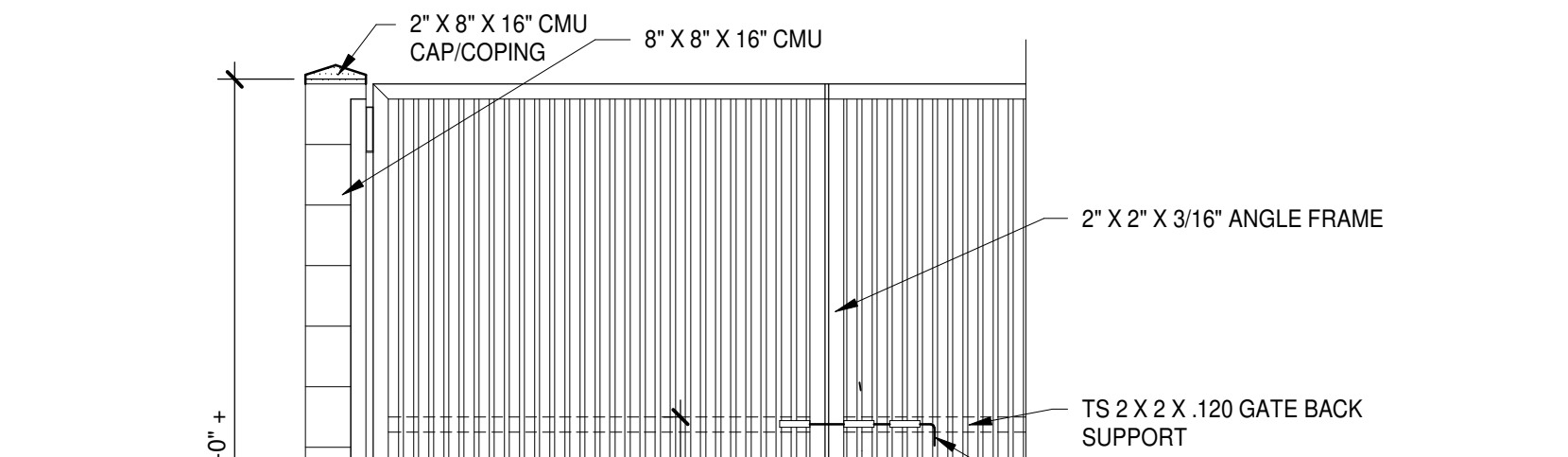
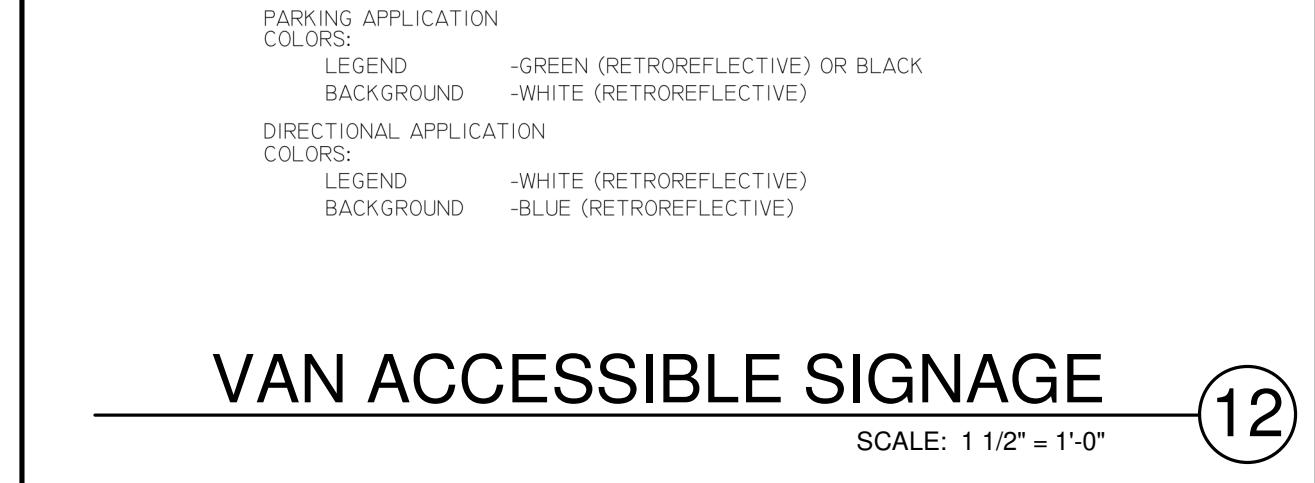


VAN ACCESSIBLE SIGN VARIATIONS

A	B	C	D	E	F	G	H	I	J	K	L
12	6	0.375	0.438	1.5	1.5	0.5	1.0	1.871	3.859	1.5	
18	9	0.375	0.438	2.25	2.0	1.0	1.5	2.493	5.784	1.5	

PARKING APPLICATION COLORS:
 LEGEND: -GREEN (RETROREFLECTIVE) OR BLACK
 BACKGROUND: -WHITE (RETROREFLECTIVE)

DIRECTIONAL APPLICATION COLORS:
 LEGEND: -WHITE (RETROREFLECTIVE)
 BACKGROUND: -BLUE (RETROREFLECTIVE)



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 CIVIL ENGINEERING
 ARCHITECTURE
 PLANNING
 INTERIORS
 2777 E Camelback Rd. Suite #325
 Phoenix, AZ 85016
 P 480.767.1001

BRADEN P. BLAKE
 63180
 BRADEN P. BLAKE
 LICENSED PROFESSIONAL ARCHITECT
 ARIZONA U.S.A.

METSO EXPANSION
 8223 EAST PECOSS ROAD
 MESA, ARIZONA, 85212

SITE DETAILS

DATE	REMARKS
12/22/2023	PRESUBMITTAL
02/19/2024	P&Z SUBMITTAL
02/22/2024	DR SUBMITTAL
05/06/2024	DR AND P&Z RESUBMITTAL
05/05/2024	DR AND P&Z 2ND RESUBMITTAL

PA/PM: Approver
 DRAWN BY: Author
 JOB NO.: PHX23-0173-00

SHEET
A511



METSO

8223 EAST PECOS ROAD
MESA, ARIZONA

CONCEPT RENDERINGS
PHX23-0173-00
05.06.2024

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EXISTING

This conceptual design is based upon a preliminary review of entitlement requirements and on unverified and possibly incomplete site and/or building information, and is intended merely to assist in exploring how the project might be developed. Signage shown is for illustrative purposes only and does not necessarily reflect municipal code compliance. All colors shown are for representative purposes only. Refer to material samples for actual color verification.

NORTHWEST CORNER VIEW

METSO
MESA, ARIZONA - PHX23-0173-00

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PAGE
2



EXISTING

This conceptual design is based upon a preliminary review of entitlement requirements and on unverified and possibly incomplete site and/or building information, and is intended merely to assist in exploring how the project might be developed. Signage shown is for illustrative purposes only and does not necessarily reflect municipal code compliance. All colors shown are for representative purposes only. Refer to material samples for actual color verification.

SOUTHWEST CORNER VIEW

METSO

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PAGE
3



EXISTING

This conceptual design is based upon a preliminary review of entitlement requirements and on unverified and possibly incomplete site and/or building information, and is intended merely to assist in exploring how the project might be developed. Signage shown is for illustrative purposes only and does not necessarily reflect municipal code compliance. All colors shown are for representative purposes only. Refer to material samples for actual color verification.

TRAINING AREA VIEW

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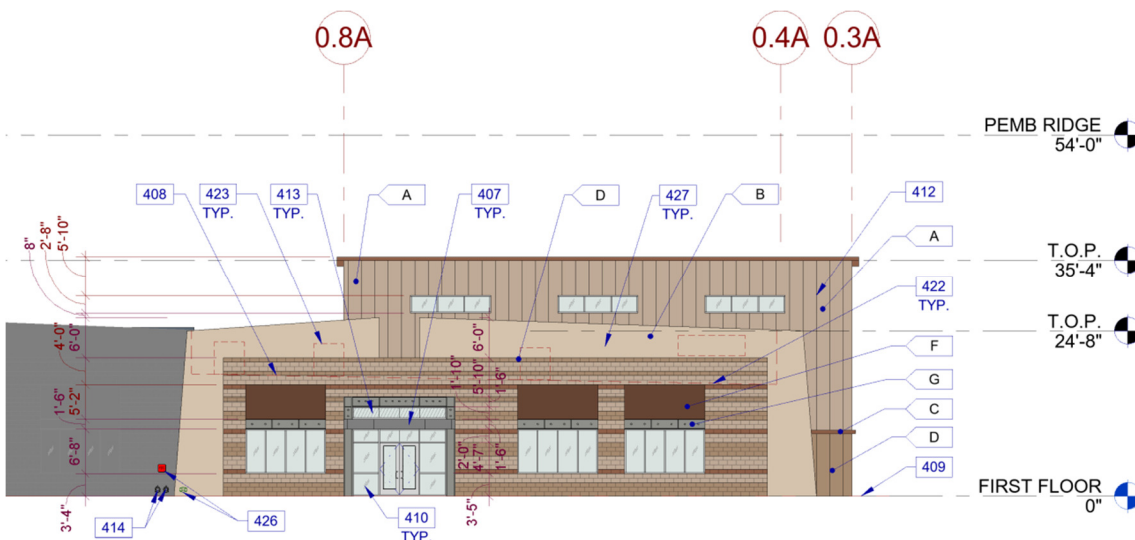
Metso Expansion - Elevation Material Calculation Breakdown

Design Review Case#: DRB24-00175

Zoning Case#: ZON24-00137

Calculation breakdown tables can be found on elevation sheets A210 - A212 for more information. Please reference alternative compliance request in PAD Zoning narrative.

Overall North Elevation – Training Center



CALCULATION PER MATERIAL DETAILS

"A" PAINTED CMU BLOCK - DEC6123 - TRAIL DUST = 498 SF = 14.9% OF ELEVATION
 "A" PAINTED PEMB METAL PANEL - DEC6123 - TRAIL DUST = 771 SF = 23% OF ELEVATION
 "B" PAINTED STUCCO OVER CMU BLOCK - DEC747 - SAHARA = 770 SF = 23% OF ELEVATION
 "C" PAINTED CMU BLOCK - DE6105 - WEATHERED LEATHER = 62 SF = 1.9% OF ELEVATION
 "C" PAINTED METAL ROOF - DE6105 - WEATHERED LEATHER = 41 SF = 1.2% OF ELEVATION
 "C" PAINTED PEMB TRIM - DE6105 - WEATHERED LEATHER = 3 SF = 0.1% OF ELEVATION
 "D" PAINTED CMU BLOCK - DEC718 - MESA TAN = 328 SF = 9.8% OF ELEVATION
 "D" PAINTED PEMB METAL PANEL - DEC718 - MESA TAN = 53 SF = 1.6% OF ELEVATION
 "F" RUSTED PATINA METAL = 186 SF = 5.6% OF ELEVATION
 "G" METAL LINTEL WITH DECORATIVE BOLTS = 109 SF = 3.3% OF ELEVATION
 METAL CANOPY = 25 SF = 0.7% OF ELEVATION
 STOREFRONT SYSTEM GLAZING = 404 SF = 12.1% OF ELEVATION
 CLERESTORY GLAZING = 96 SF = 2.9% OF ELEVATION

TOTAL ELEVATION AREA = 3,346 SF

CALCULATION PER MATERIAL TYPES

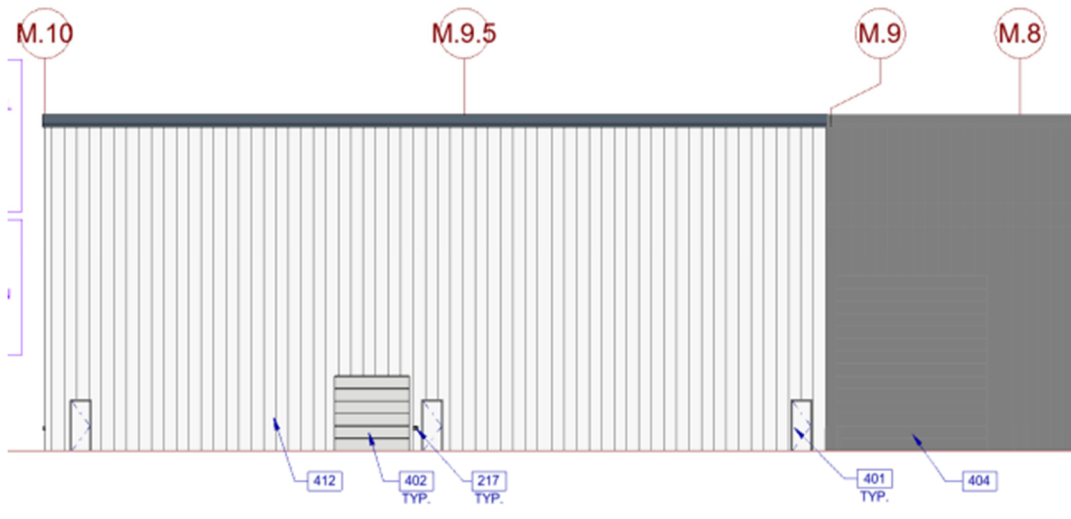
CMU BLOCK TOTAL COMBINED = 888 SF = 26.5% OF ELEVATION
 PEMB TOTAL COMBINED = 827 SF = 24.7% OF ELEVATION
 METAL TOTAL COMBINED = 361 SF = 10.8% OF ELEVATION
 STUCCO TOTAL COMBINED = 770 SF = 23% OF ELEVATION
 GLAZING TOTAL COMBINED = 500 SF = 15% OF ELEVATION

TOTAL ELEVATION AREA = 3,346 SF

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Overall East Elevation – PEMB Expansion



CALCULATION PER MATERIAL DETAILS

"E" PEMB METAL PANEL - MANUFACTURER WHITE
FINISH= 6,433 SF = 93.1% OF ELEVATION
METAL ROOF= 248 SF = 3.6% OF ELEVATION
OVERHEAD & MAN DOORS= 226 SF= 3.3% OF
ELEVATION

TOTAL ELEVATION AREA = 6,907 SF

CALCULATION PER MATERIAL TYPES

PEMB TOTAL COMBINED = 6,433 SF = 93.1% OF
ELEVATION
METAL TOTAL COMBINED= 248 SF = 3.6% OF ELEVATION
DOOR TOTAL COMBINED= 226= 3.3% OF ELEVATION

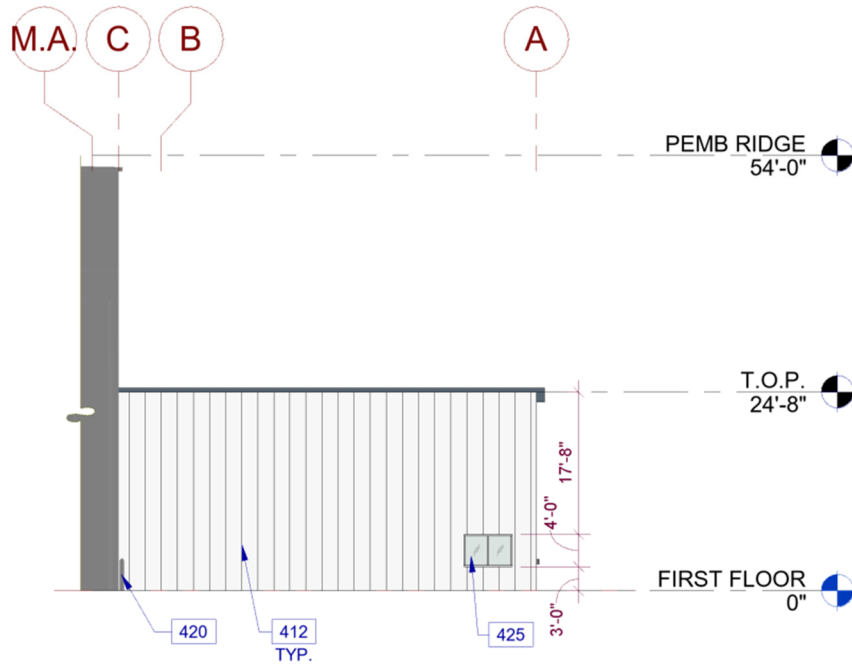
TOTAL ELEVATION AREA = 6,907 SF

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North Elevation – Service Parts Room



CALCULATION PER MATERIAL DETAILS

"E" PEMB METAL PANEL - MANUFACTURER
WHITE FINISH = 1,258 SF = 96% OF ELEVATION
METAL ROOF = 29 SF = 2.2% OF ELEVATION
GLAZING = 24 SF = 1.8% OF ELEVATION

TOTAL ELEVATION AREA = 1,311 SF

CALCULATION PER MATERIAL TYPES

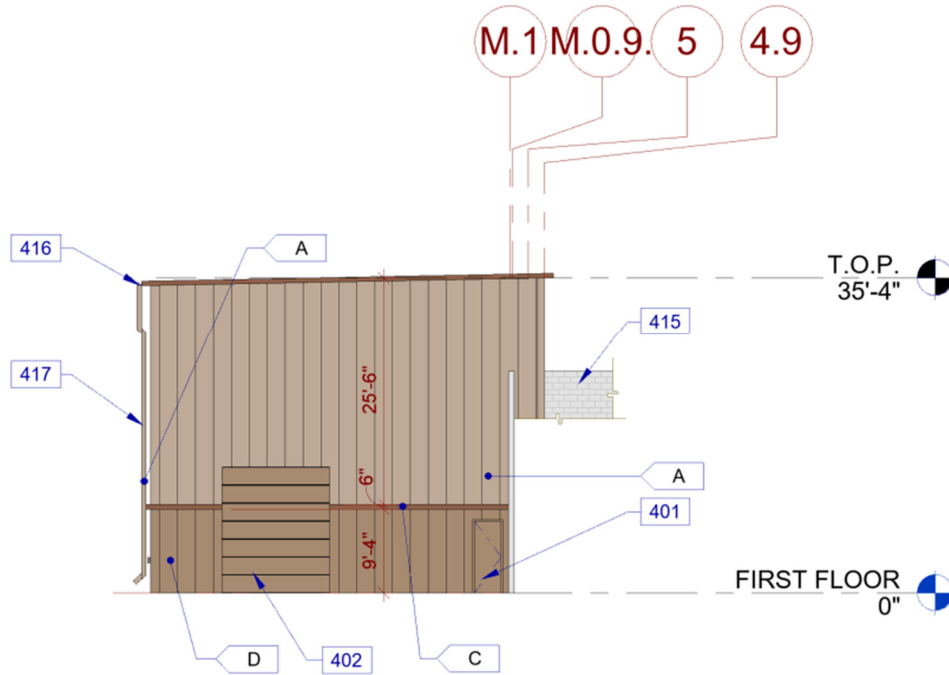
PEMB TOTAL COMBINED = 1,258 SF = 96% OF
ELEVATION
METAL TOTAL COMBINED = 29 SF = 2.2% OF
ELEVATION
GLAZING TOTAL COMBINED = 24 SF = 1.8% OF
ELEVATION

TOTAL ELEVATION AREA = 1,311 SF

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East Elevation – PEMB Training Center



CALCULATION PER MATERIAL DETAILS

"A" PAINTED PEMB METAL PANEL - DEC6123 - TRAIL DUST = 1,011 SF = 67.7% OF ELEVATION
 "C" PAINTED METAL ROOF - DE6105 - WEATHERED LEATHER = 23 SF = 1.5% OF ELEVATION
 "C" PAINTED PEMB TRIM - DE6105 - WEATHERED LEATHER = 14 SF = 0.9% OF ELEVATION
 "C" PAINTED GUTTER & DRAIN SYSTEM - DE6105 - WEATHERED LEATHER = 17 SF = 1.1% OF ELEVATION
 "D" PAINTED PEMB METAL PANEL - DEC718 - MESA TAN = 234 SF = 15.7% OF ELEVATION
 OVERHEAD & MAN DOORS - DEC718 - MESA TAN = 195 SF = 13.1% OF ELEVATION

TOTAL ELEVATION AREA = 1,494 SF

CALCULATION PER MATERIAL TYPES

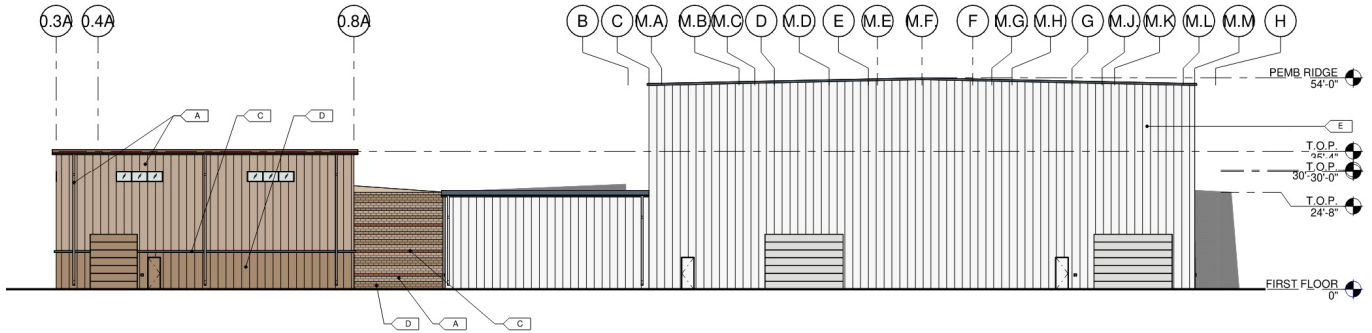
PEMB TOTAL COMBINED = 1,259 SF = 84.3% OF ELEVATION
 METAL TOTAL COMBINED = 40 SF = 2.7% OF ELEVATION
 DOOR TOTAL COMBINED = 195 SF = 13.1% OF ELEVATION

TOTAL ELEVATION AREA = 1,494 SF

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Overall South Elevation



CALCULATION PER MATERIAL DETAILS

"A" PAINTED CMU BLOCK - DEC6123 - TRAIL DUST = 303 SF = 2.4% OF ELEVATION
 "A" PAINTED PEMB METAL PANEL - DEC6123 - TRAIL DUST = 1,656 SF = 13.2% OF ELEVATION
 "C" PAINTED CMU BLOCK - DE6105 - WEATHERED LEATHER = 45 SF = 0.4% OF ELEVATION
 "C" PAINTED METAL ROOF - DE6105 - WEATHERED LEATHER = 108 SF = 0.9% OF ELEVATION
 "C" PAINTED GUTTER & DRAIN SYSTEM - DE6105 - WEATHERED LEATHER = 83 SF = 0.7% OF ELEVATION
 "C" PAINTED PEMB TRIM - DE6105 - WEATHERED LEATHER = 32 SF = 0.2% OF ELEVATION
 "D" PAINTED CMU BLOCK - DEC718 - MESA TAN = 212 SF = 1.7% OF ELEVATION
 "D" PAINTED PEMB METAL PANEL - DEC718 - MESA TAN = 558 SF = 4.4% OF ELEVATION
 "E" PEMB METAL PANEL - MANUFACTURER WHITE FINISH= 8,496 SF = 67.6% OF ELEVATION
 GUTTER & DRAIN SYSTEM= 45 SF = 0.3% OF ELEVATION
 METAL ROOF= 162 SF = 1.3% OF ELEVATION
 CLERESTORY GLAZING= 64 SF = 0.5% OF ELEVATION
 OVERHEAD & MAN DOORS - MANUFACTURERS FINISH= 614 SF= 4.9% OF ELEVATION
 OVERHEAD & MAN DOORS - DEC718 - MESA TAN= 195 SF= 1.5% OF ELEVATION

TOTAL ELEVATION AREA = 12,573 SF

CALCULATION PER MATERIAL TYPES

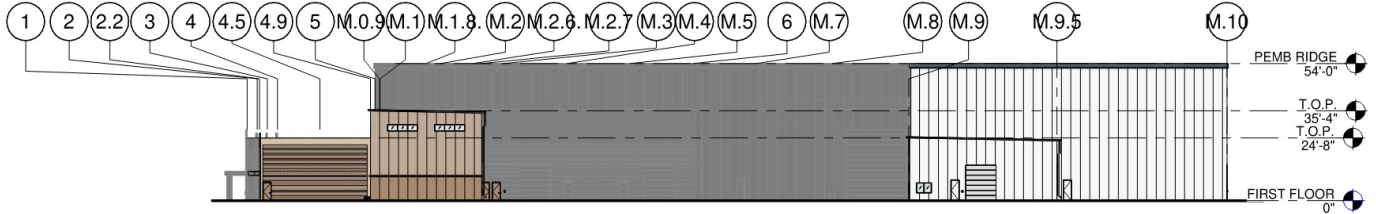
CMU BLOCK TOTAL COMBINED= 560 SF= 4.5% OF ELEVATION
 PEMB TOTAL COMBINED= 10,742 SF= 85.4% OF ELEVATION
 METAL TOTAL COMBINED= 398 SF= 3.2% OF ELEVATION
 GLAZING TOTAL COMBINED= 64 SF= 0.5% OF ELEVATION
 DOOR TOTAL COMBINED= 809 SF= 6.4% OF ELEVATION

TOTAL ELEVATION AREA = 12,573 SF

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Overall West Elevation – PEMB Expansion & Service and Parts Room



CALCULATION PER MATERIAL DETAILS

"A" PAINTED CMU BLOCK - DEC6123 - TRAIL DUST = 513 SF = 5.4% OF ELEVATION
 "A" PAINTED PEMB METAL PANEL - DEC6123 - TRAIL DUST = 1,038 SF = 10.9% OF ELEVATION
 "B" PAINTED STUCCO OVER CMU BLOCK - DEC747 - SAHARA = 176 SF = 1.9% OF ELEVATION
 "C" PAINTED CMU BLOCK - DE6105 - WEATHERED LEATHER = 80 SF = 0.8% OF ELEVATION
 "C" PAINTED GUTTER & DRAIN SYSTEM - DE6105 - WEATHERED LEATHER = 63 SF = 0.7% OF ELEVATION
 "C" PAINTED PEMB TRIM - DEC6105 - WEATHERED LEATHER = 23 SF = 0.2% OF ELEVATION
 "D" PAINTED CMU BLOCK - DEC718 - MESA TAN = 292 SF = 3.1% OF ELEVATION
 "D" PAINTED PEMB METAL PANEL - DEC718 - MESA TAN = 411 SF = 4.3% OF ELEVATION
 "E" PEMB METAL PANEL - MANUFACTURER WHITE FINISH = 6,266 SF = 65.7% OF ELEVATION
 GUTTER & DRAIN SYSTEM = 12 SF = 0.1% OF ELEVATION
 GLAZING = 88 SF = 0.9% OF ELEVATION
 OVERHEAD & MAN DOORS = 296 SF = 3.1% OF ELEVATION
 METAL ROOF = 278 SF = 2.9% OF ELEVATION

TOTAL ELEVATION AREA = 9,536 SF

CALCULATION PER MATERIAL TYPES

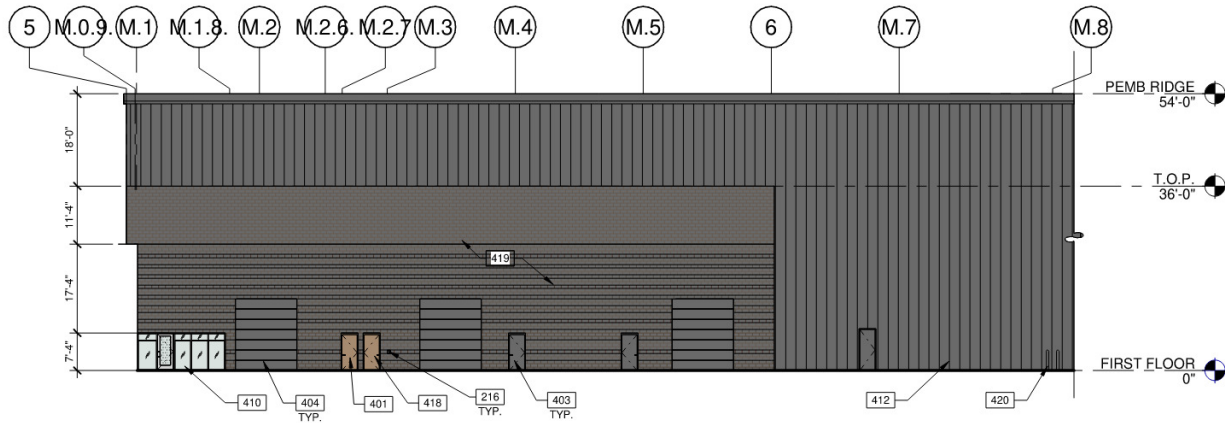
CMU BLOCK TOTAL COMBINED = 885 SF = 9.3% OF ELEVATION
 STUCCO TOTAL COMBINED = 176 SF = 1.9% OF ELEVATION
 PEMB TOTAL COMBINED = 7,738 SF = 81.1% OF ELEVATION
 METAL TOTAL COMBINED = 353 SF = 3.7% OF ELEVATION
 GLAZING TOTAL COMBINED = 88 SF = 0.9% OF ELEVATION
 DOOR TOTAL COMBINED = 296 SF = 3.1% OF ELEVATION

TOTAL ELEVATION AREA = 9,536 SF

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West Elevation – Existing Building



CALCULATION PER MATERIAL DETAILS

STOREFRONT GLAZING = 126 SF = 72% OF ELEVATION
 MAN DOORS = 49 SF = 28% OF ELEVATION

TOTAL ELEVATION AREA = 175 SF*

*PROPOSED SCOPE OF WORK ONLY NOT INCLUDING EXISITNG

CALCULATION PER MATERIAL TYPES

GLAZING TOTAL COMBINED = 126 SF = 72% OF ELEVATION
 DOOR TOTAL COMBINED = 49 SF = 28% OF ELEVATION

TOTAL ELEVATION AREA = 175 SF*

*PROPOSED SCOPE OF WORK ONLY NOT INCLUDING EXISITNG