

Additions to Cahill's Market

Physical Address

1055 May River Road
Bluffton, South Carolina 29910

Property Owner

Cahill Enterprise

Applicable Codes

2018 International Building Code
2018 International Fire Code
2018 International Mechanical Code
2018 International Plumbing Code
2017 National Electrical Code

Project Description

Two proposed additions consisting of a wait station and an outdoor dining area.

Square Footage

Existing Heated Square Footage = 2,746 square feet
Proposed Heated Square Footage = 357 square feet
Proposed Covered Unheated = 651 square feet

Construction Makeup

Wood-framed walls and roof with concrete slab foundation.

Occupancy Classification

Section 303
Group Assembly (A-2)
Section 309
Group Mercantile (M)

Type of Construction

Section 602.5
Type VB

Allowable Building Height

Table 504.3
Type VB for A-2 and M unsprinklered is limited to 40 feet height.

Allowable Numbers of Stories

Table 504.4
Type VB for a-2 unsprinklered is limited to one story.
Type VB for M unsprinklered is limited to one story.

Allowable Building Area

Table 506.2
Based on Unsprinklered
Group A-2 Type VB is allowed 6,000 square feet.
Group M Type VB is allowed 9,000 square feet.

Fire Resistance Rating Requirements for Building Elements

Table 601
Type VB construction requires zero hours for the structural frame, exterior and interior bearing walls, exterior and interior nonbearing walls, floor construction and roof construction.

Minimum Number of Exits or Access to Exits per Story

Table 1006.2.1
Two Exits Required, must be 33' apart.

Maximum Exit Access Travel Distance

Table 1017.2
Group A-2 or M, unsprinklered = 200 feet

Maximum Floor Area per Occupant

Table 1004.5
FIRE AREA ONE
Commercial Kitchen = 712 square feet/200 gross = 3.6 Occupants
Indoor Dining = 1089 square feet/15 net = 72.6 Occupants
Indoor Market = 1089 square feet/60 gross = 18.2 Occupants
Total Occupants = 95 Occupants
FIRE AREA TWO
Outdoor Dining = 651 square feet/15 net = 43.4 Occupants
Wait Stationt = 76 square feet/200 gross = 0.4 Occupants
Total Occupants = 44 Occupants

Required Separation of Occupancies

Table 508.4
2 Hour Separation is Required Between Occupancy A-2 and M.

Manual Fire Alarm System

[F] 907.2.9.1
Not Required

Sprinklers

Section [F] 903.2.8
Not Required

Portable Fire Extinguishers

[F] 906.1
Required
Fire Marshal to determine number, location and type

Means of Egress Illumination

Section 1008

Exit Signs

Section 1013

Doors

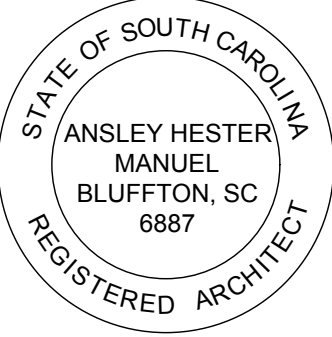
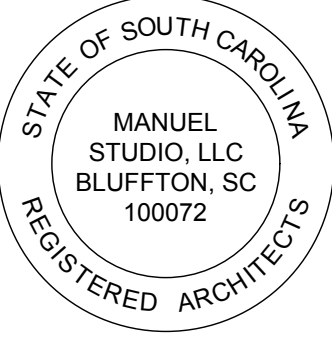
Section 1010
Table 716.5
Fire rated door to be 90 minutes with self closer at the 2 hour fire rated wall.

Plumbing

[P] Table 2902.1
Female =
1 WC
1 LAV
Male =
1 WC
1 LAV

INDEX

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- A-9 ACCESSIBILITY ILLUSTRATIONS



DATE :
3/11/22

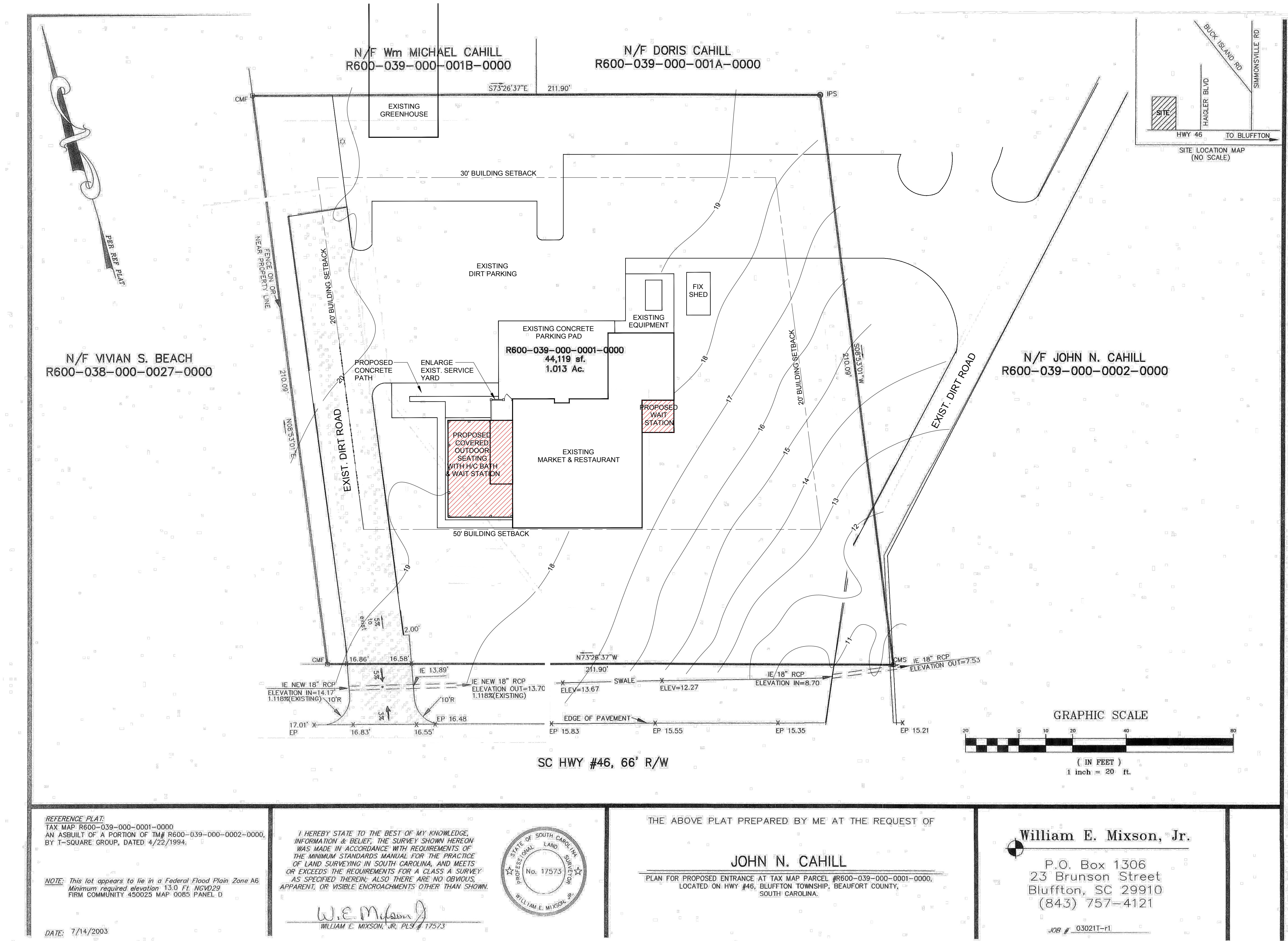
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1055 MAY RIVER ROAD
BLUFFTON, SC 29910

CODE ANALYSIS AND INDEX

SHEET

C-1



REFERENCE PLAT:
TAX MAP R600-039-000-0001-0000
AN ABSTRACT OF A PORTION OF TM# R600-039-000-0002-0000,
BY T-SQUARE GROUP, DATED 4/22/1994.

NOTE: This lot appears to lie in a Federal Flood Plain Zone A6.
Minimum required elevation 13.0 Ft. NGVD29
FIRM COMMUNITY 450025 MAP 0065 PANEL D

DATE: 7/14/2003

I HEREBY STATE TO THE BEST OF MY KNOWLEDGE,
INFORMATION & BELIEF, THE SURVEY SHOWN HEREON
WAS MADE IN ACCORDANCE WITH REQUIREMENTS OF
THE MINIMUM STANDARDS MANUAL FOR THE PRACTICE
OF LAND SURVEYING IN SOUTH CAROLINA, AND MEETS
OR EXCEEDS THE REQUIREMENTS FOR A CLASS A SURVEY.
AS SPECIFIED THEREIN; ALSO THERE ARE NO OBVIOUS,
APPARENT, OR VISIBLE ENCROACHMENTS OTHER THAN SHOWN.

W.E. Mixson Jr.
WILLIAM E. MIXSON, JR., PLS # 17573



THE ABOVE PLAT PREPARED BY ME AT THE REQUEST OF

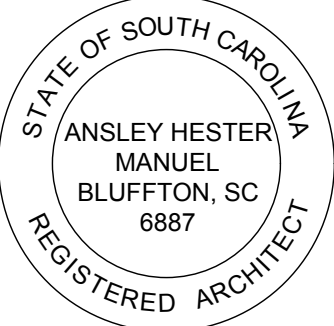
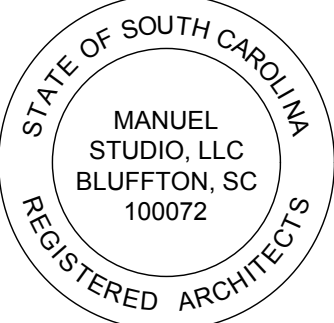
JOHN N. CAHILL

PLAN FOR PROPOSED ENTRANCE AT TAX MAP PARCEL #R600-039-000-0001-0000,
LOCATED ON HWY #46, BLUFFTON TOWNSHIP, BEAUFORT COUNTY,
SOUTH CAROLINA.

William E. Mixson, Jr.

P.O. Box 1306
23 Brunson Street
Bluffton, SC 29910
(843) 757-4121

JOB # 03021T-r1



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3/11/22

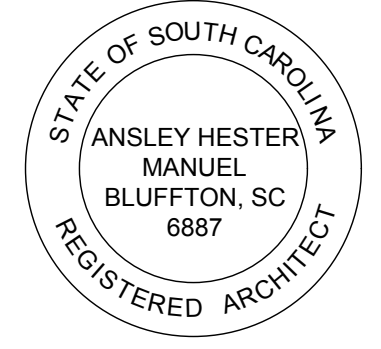
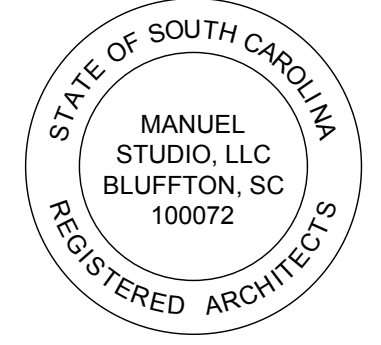
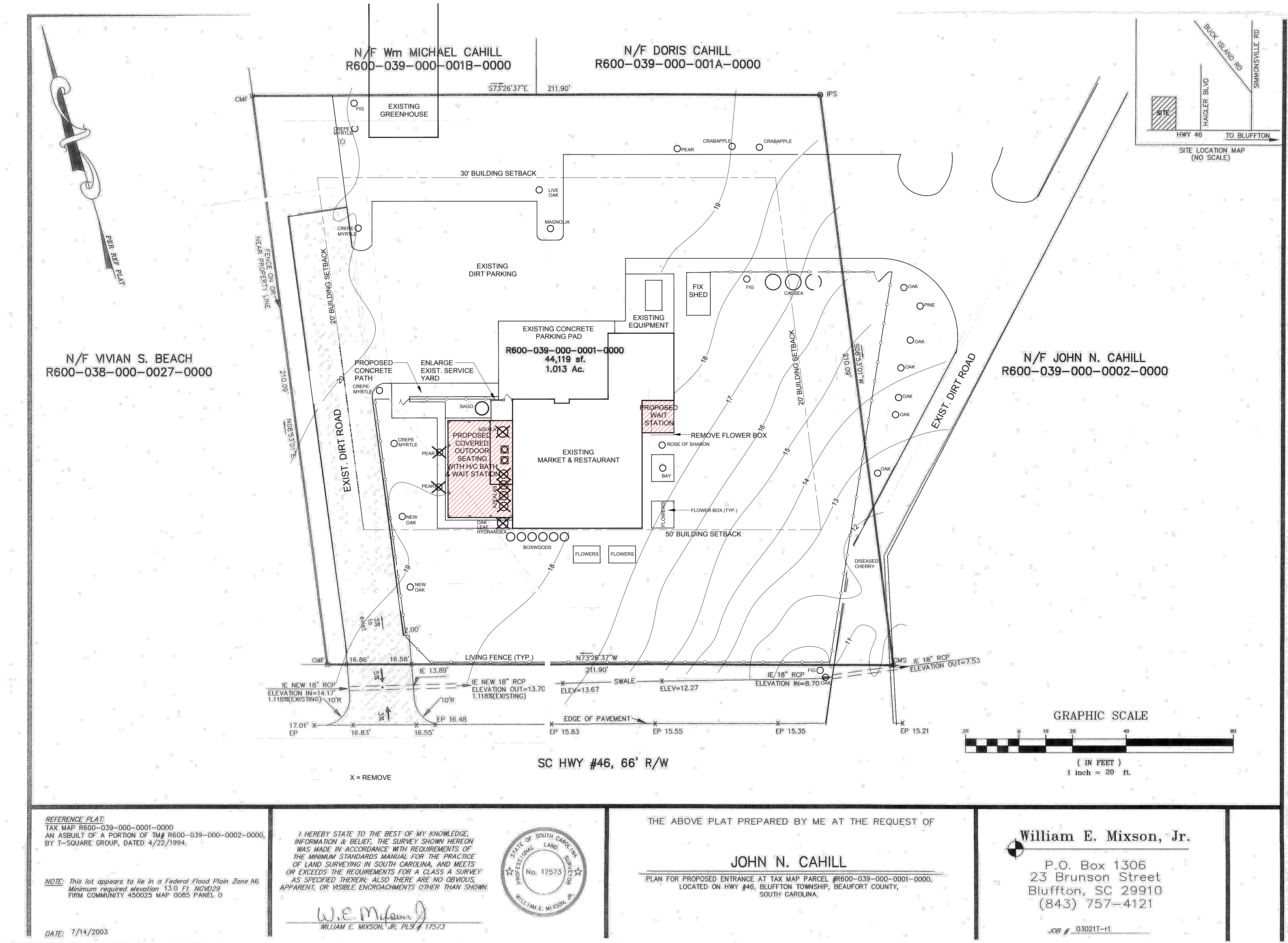
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PROPOSED SITE PLAN

SHEET

C2

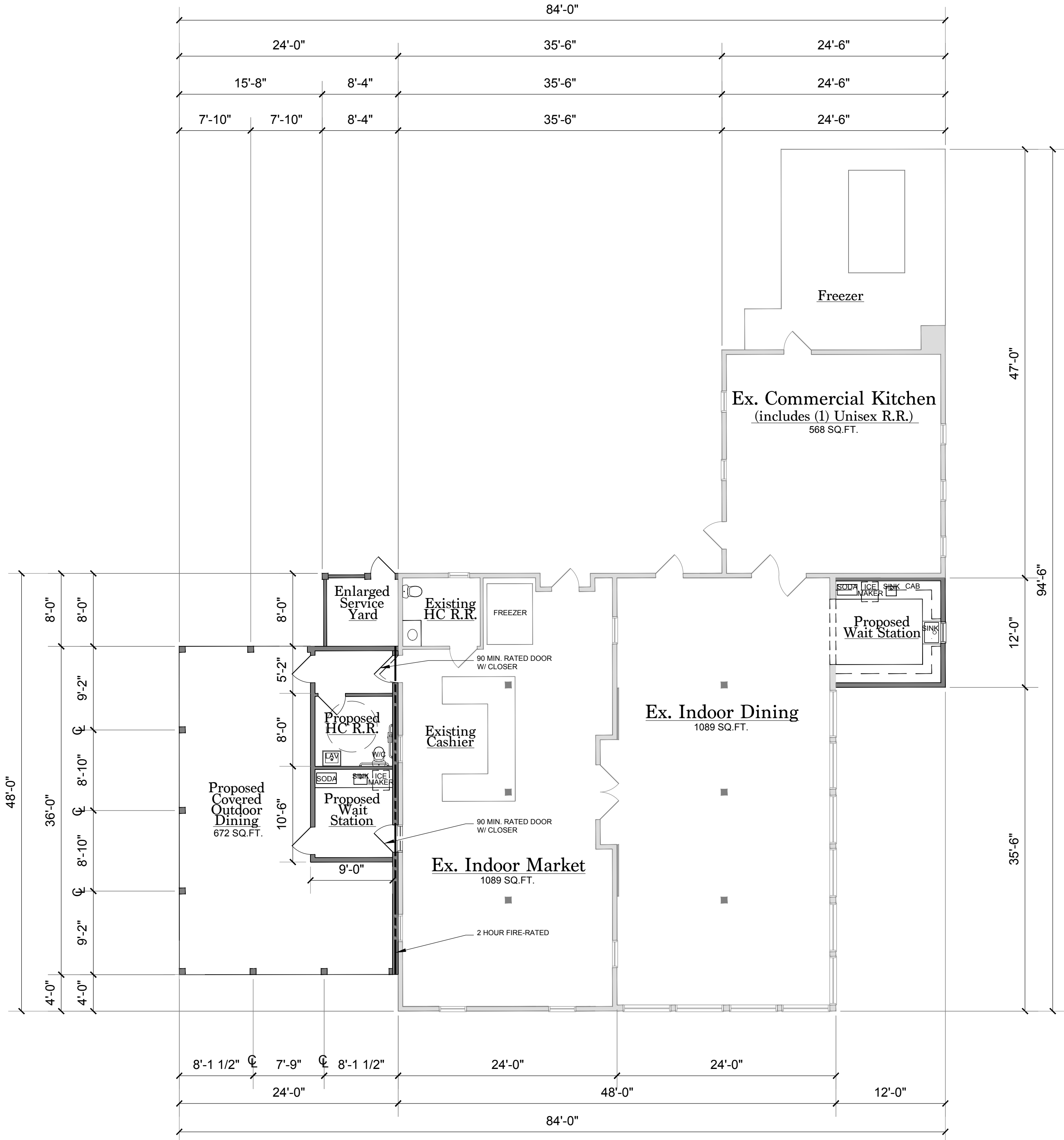


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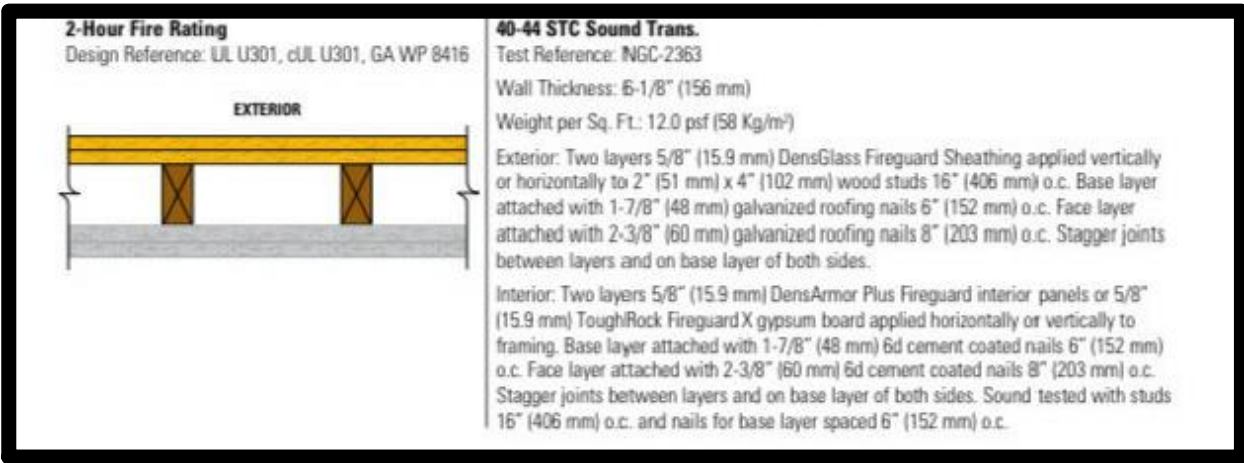
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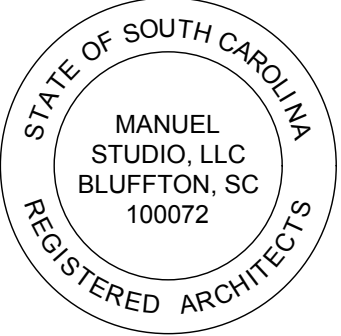
PROPOSED LANDSCAPE PLAN



A
A2
PROPOSED FLOOR PLAN
SCALE: 1/8"=1'-0"



B
A2
2-HOUR FIRE RATED WALL DETAIL
SCALE: N.T.S.



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PROPOSED FLOOR PLAN & DETAILS

SHEET

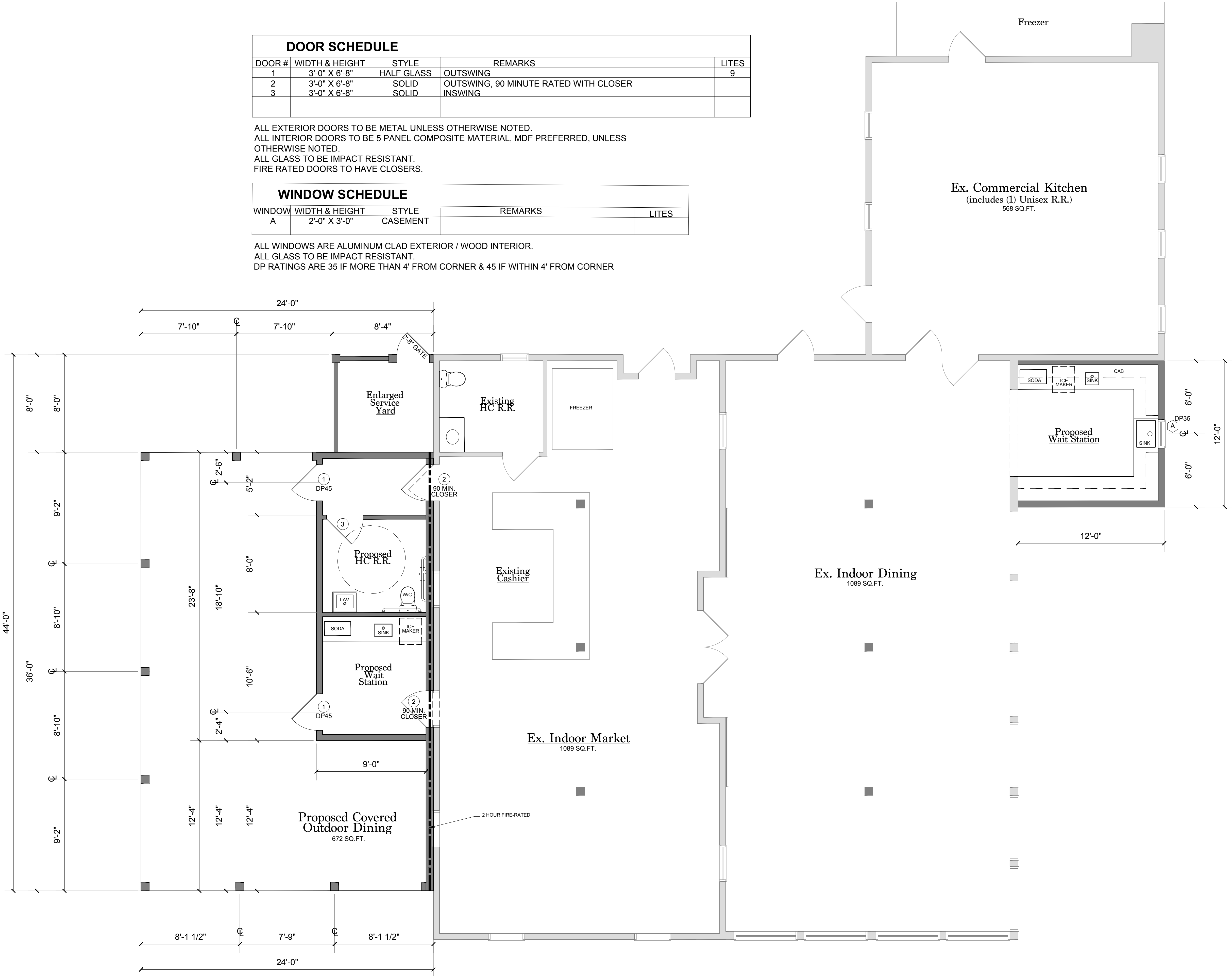
A2

DOOR SCHEDULE				
DOOR #	WIDTH & HEIGHT	STYLE	REMARKS	LITES
1	3'-0" X 6'-8"	HALF GLASS	OUTSWING	9
2	3'-0" X 6'-8"	SOLID	OUTSWING, 90 MINUTE RATED WITH CLOSER	
3	3'-0" X 6'-8"	SOLID	INSWING	

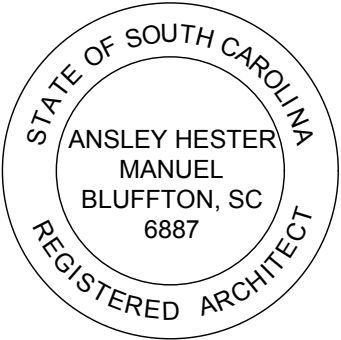
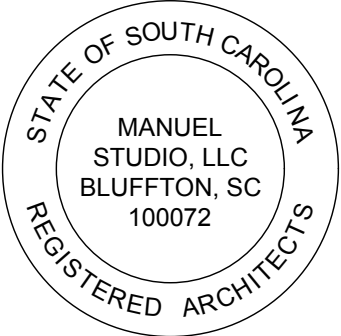
ALL EXTERIOR DOORS TO BE METAL UNLESS OTHERWISE NOTED.
ALL INTERIOR DOORS TO BE 5 PANEL COMPOSITE MATERIAL, MDF PREFERRED, UNLESS OTHERWISE NOTED.
ALL GLASS TO BE IMPACT RESISTANT.
FIRE RATED DOORS TO HAVE CLOSERS.

WINDOW SCHEDULE				
WINDOW	WIDTH & HEIGHT	STYLE	REMARKS	LITES
A	2'-0" X 3'-0"	CASEMENT		

ALL WINDOWS ARE ALUMINUM CLAD EXTERIOR / WOOD INTERIOR.
ALL GLASS TO BE IMPACT RESISTANT.
DP RATINGS ARE 35 IF MORE THAN 4' FROM CORNER & 45 IF WITHIN 4' FROM CORNER



A
A3 PROPOSED ENLARGED FLOOR PLAN
SCALE: 1/4"=1'-0"



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3/11/22

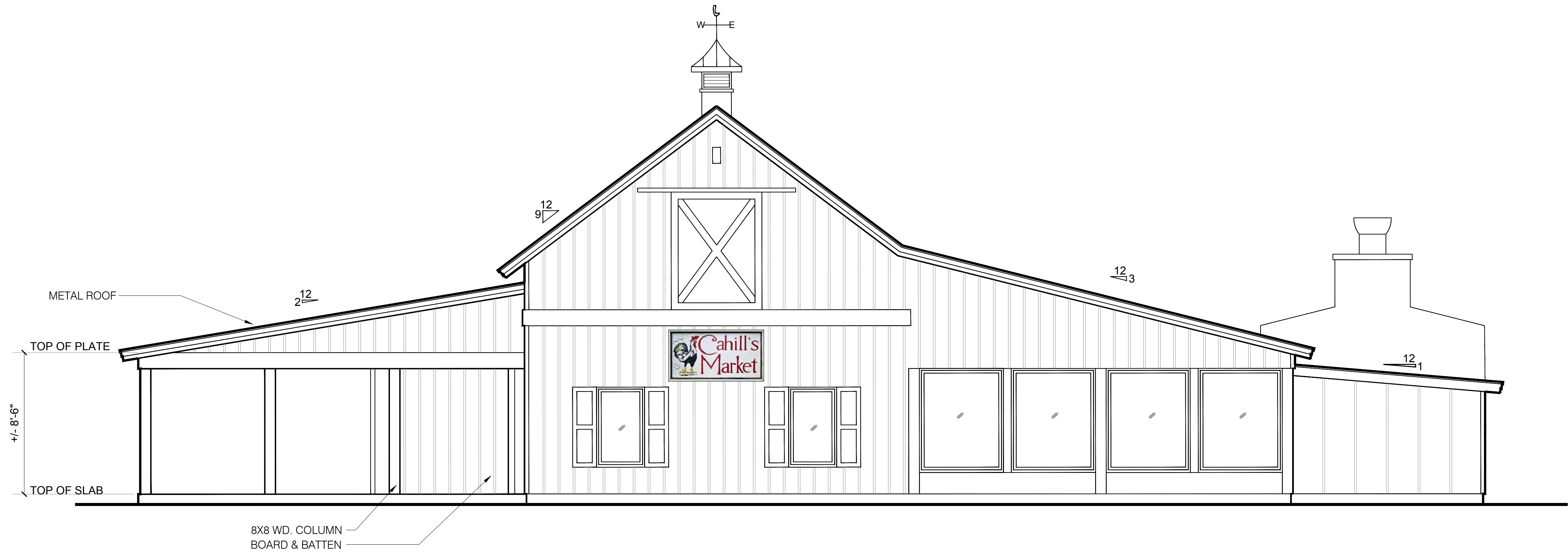
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ENLARGED FLOOR PLAN AND SCHEDULES

SHEET

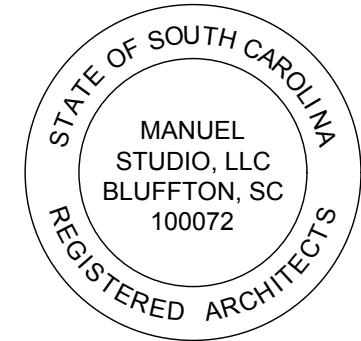
A3



A
A5 PROPOSED FRONT ELEVATION
SCALE: 1/4"= 1'-0"



B
A5 PROPOSED LEFT ELEVATION
SCALE: 1/4"= 1'-0"

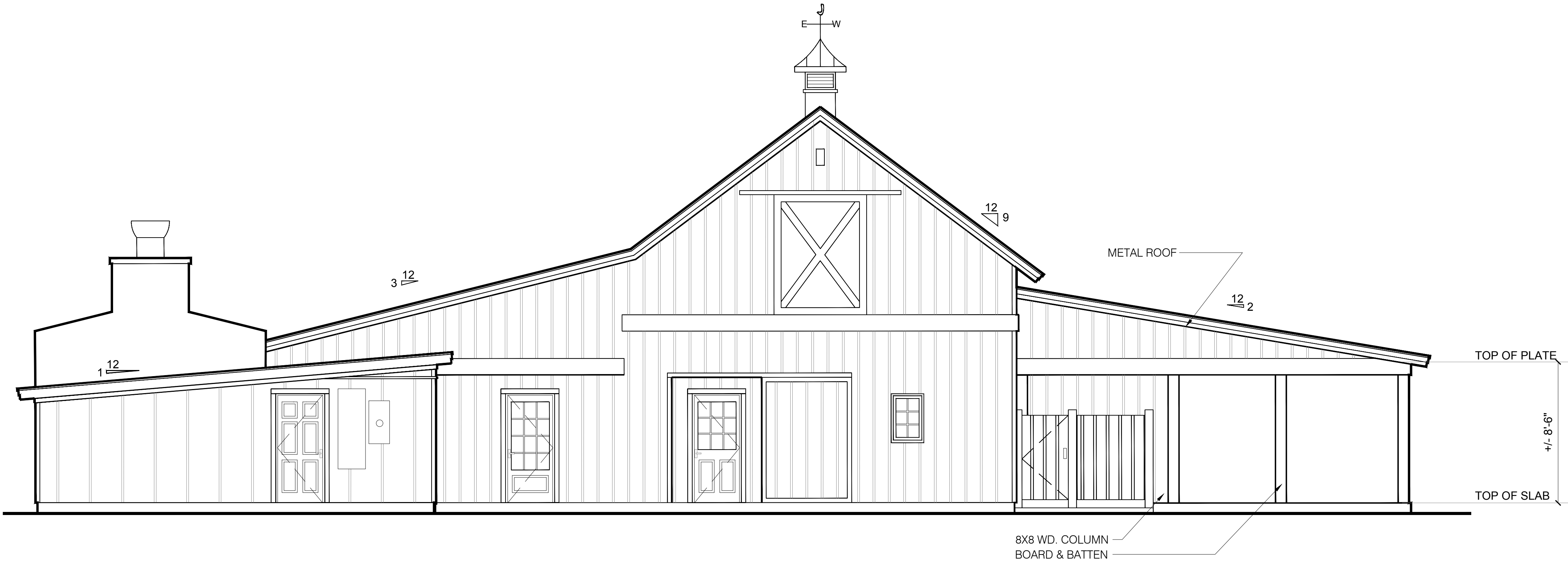


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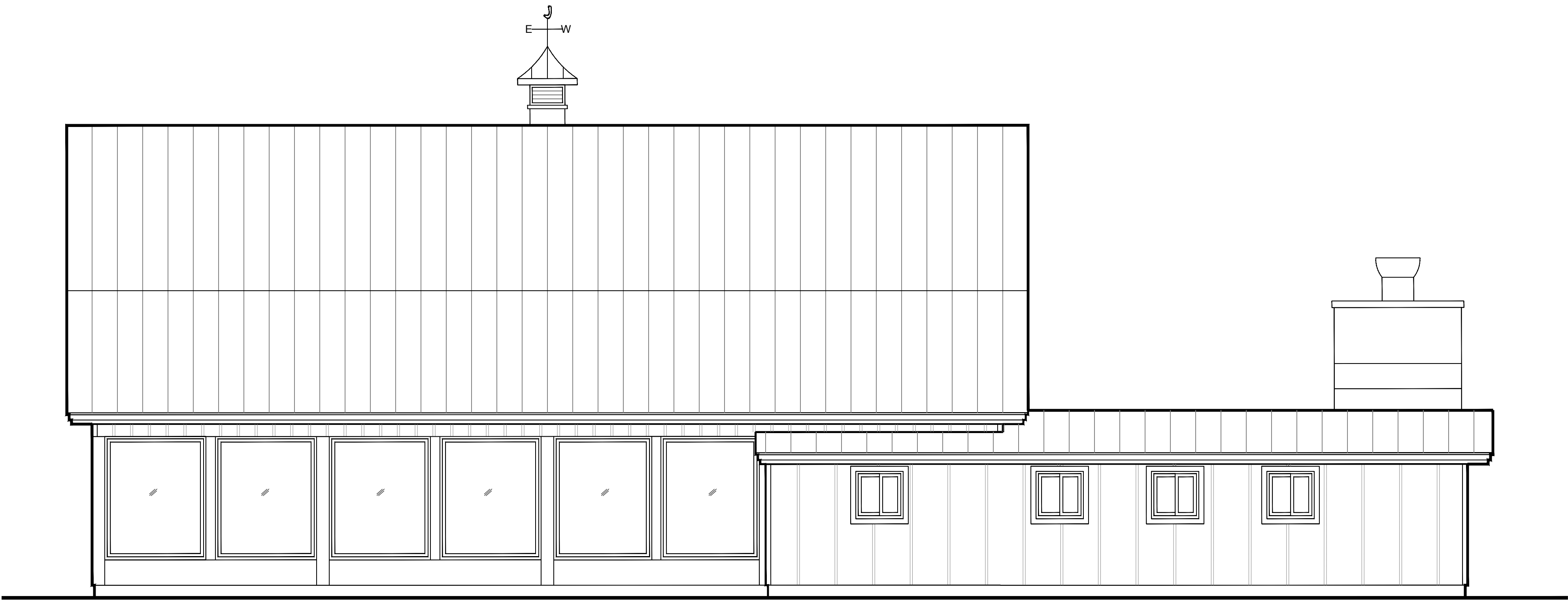
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PROPOSED ELEVATIONS

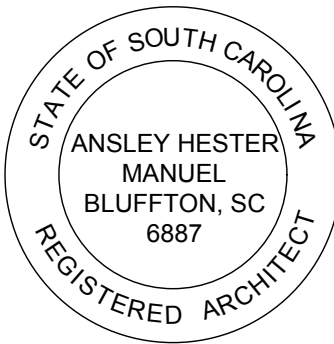
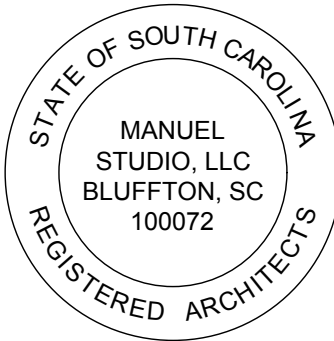
SHEET
A5



A PROPOSED REAR ELEVATION
A6 SCALE: 1/4"=1'-0"



B PROPOSED RIGHT ELEVATION
A6 SCALE: 1/4"=1'-0"



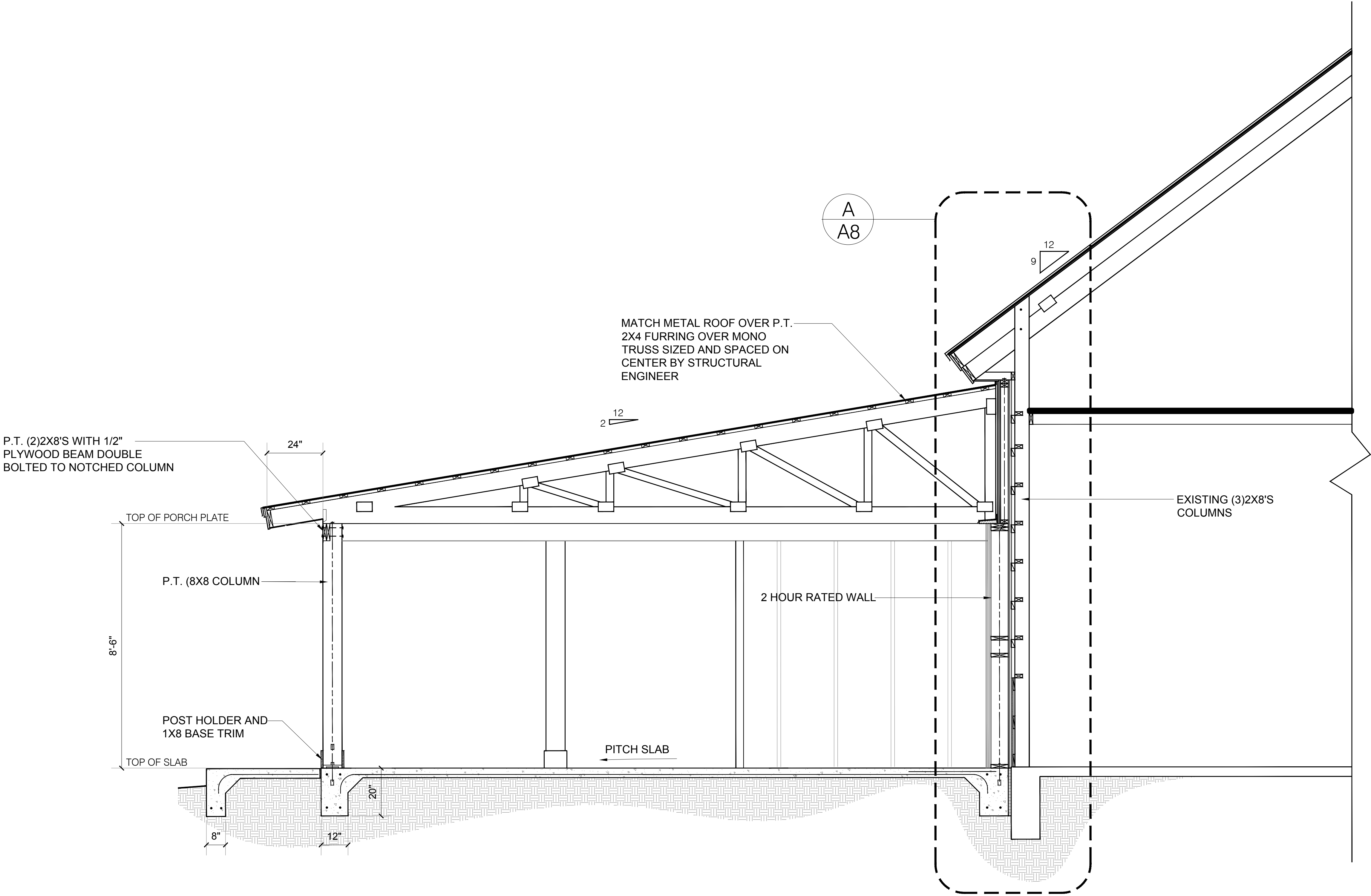
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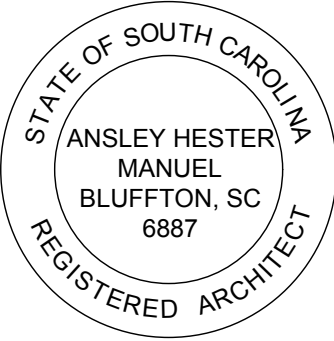
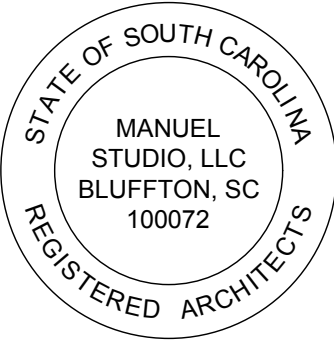
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PROPOSED ELEVATIONS

SHEET

A6



A
A7 BUILDING SECTION @
OUTDOOR DINING SCALE: 1/2"=1'-0"



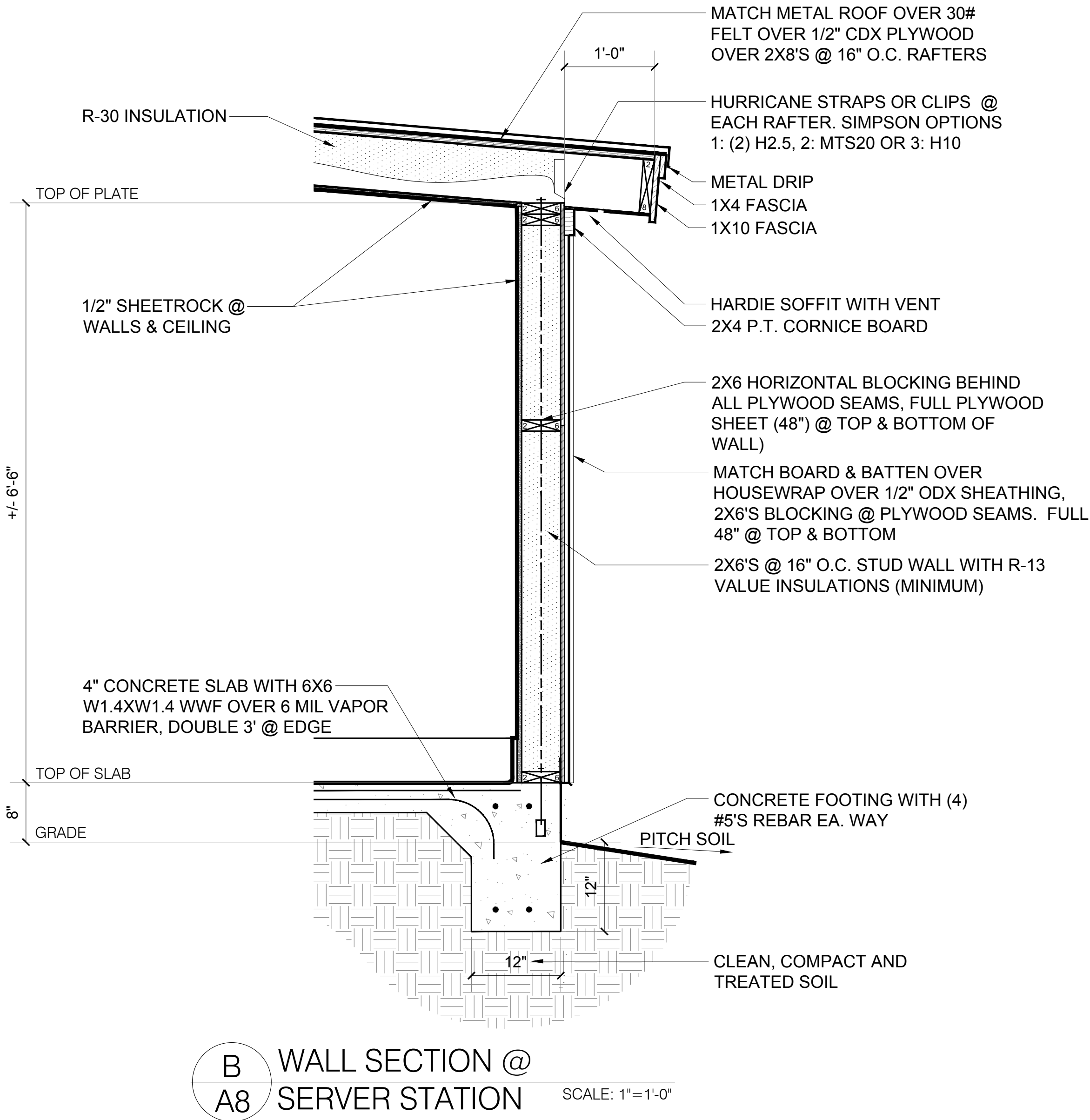
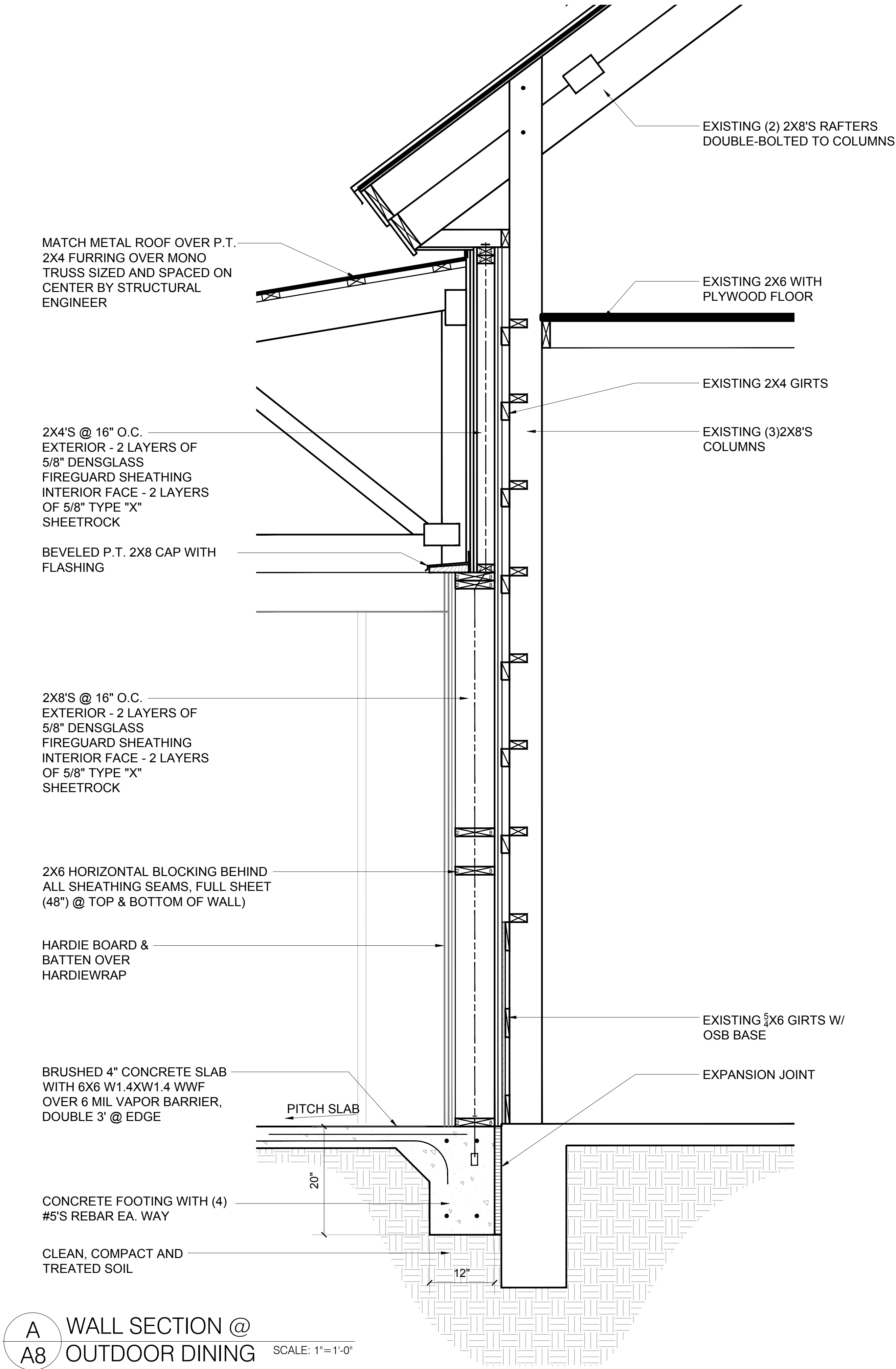
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BUILDING SECTION

SHEET

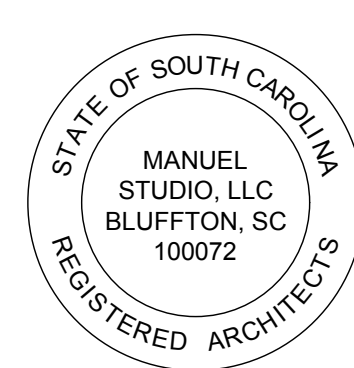
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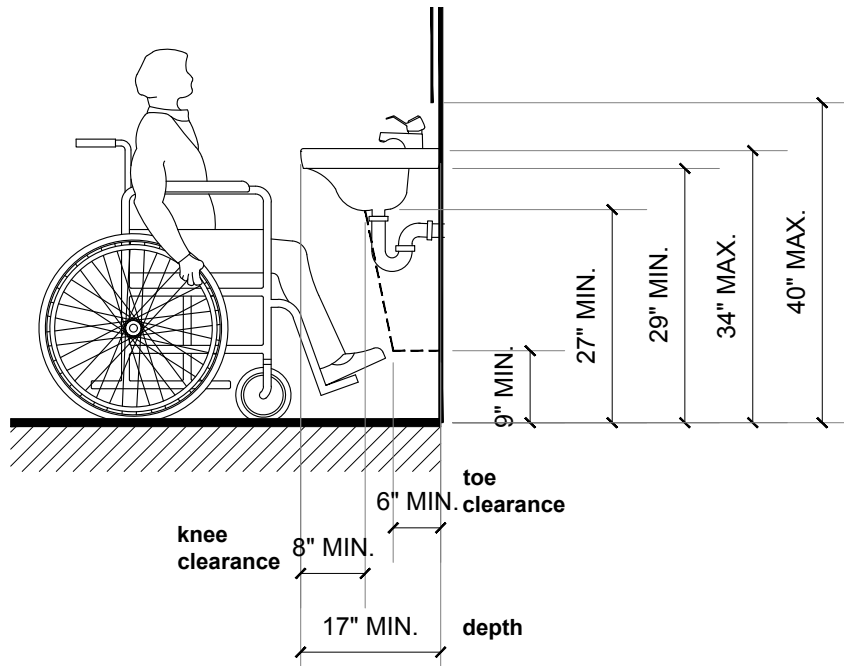
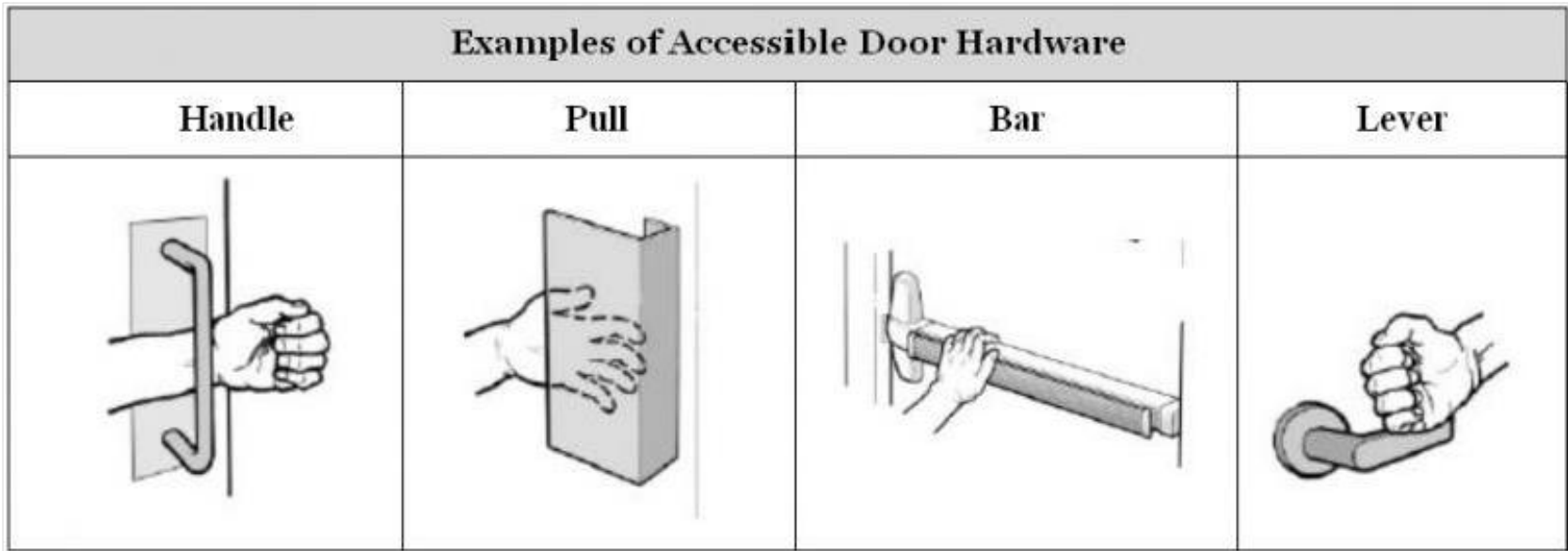
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MAIN BUILDING WALL SECTIONS

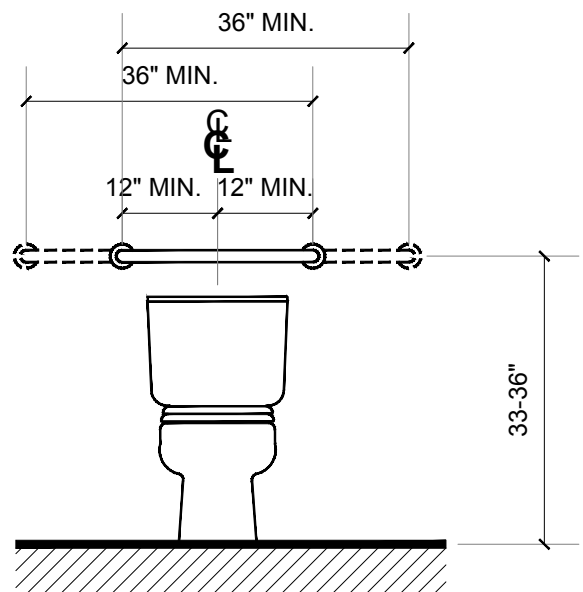
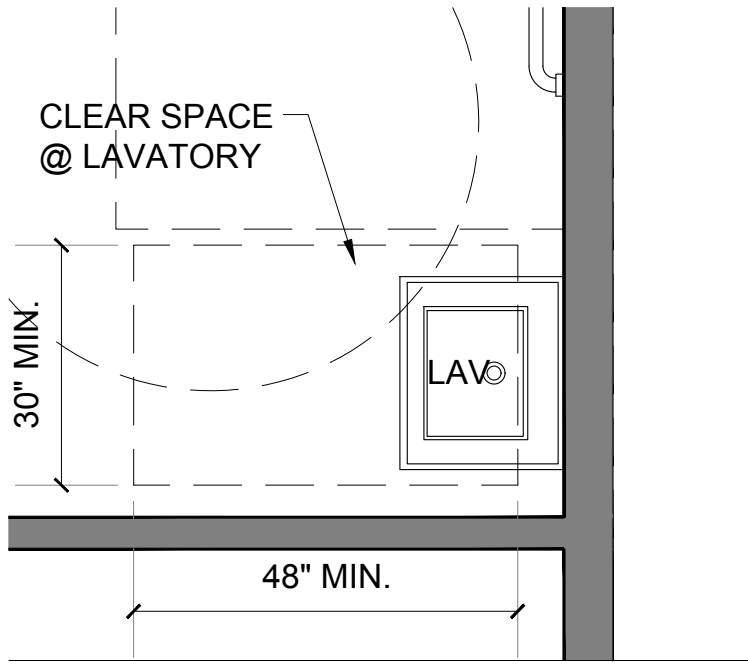
SHEET
A8



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NOTE: equipment permitted in dashed area



(a) Back Wall

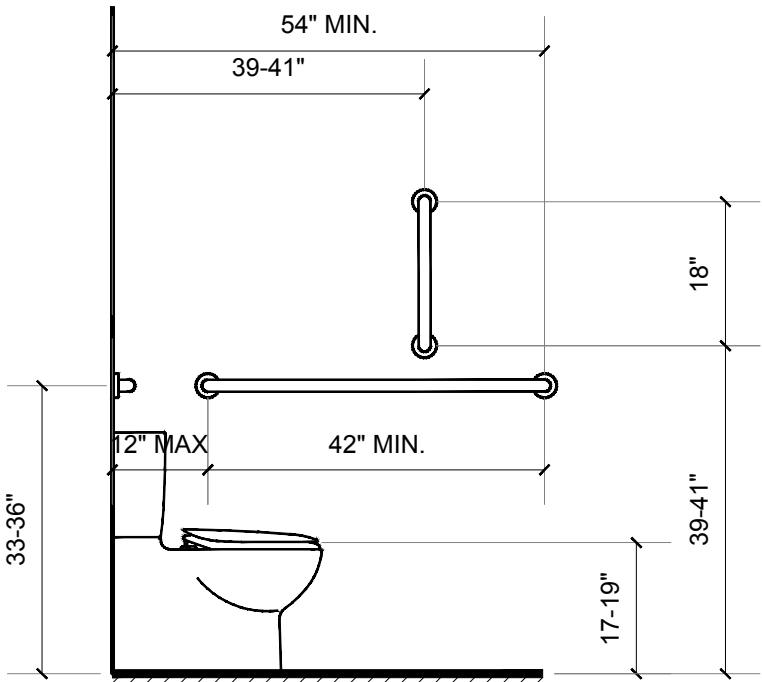


Fig. 12a Seat Height and Grab Bar Locations

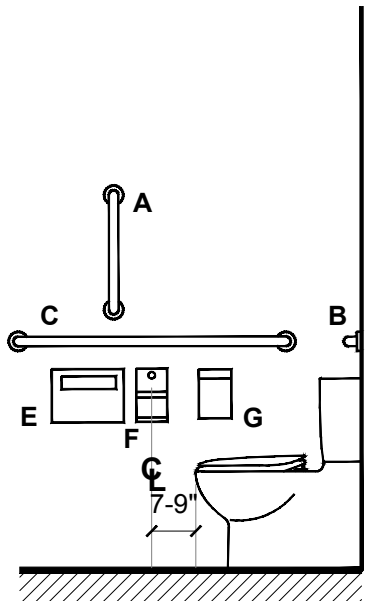


Fig. 12d Surface Mounted Dispensers

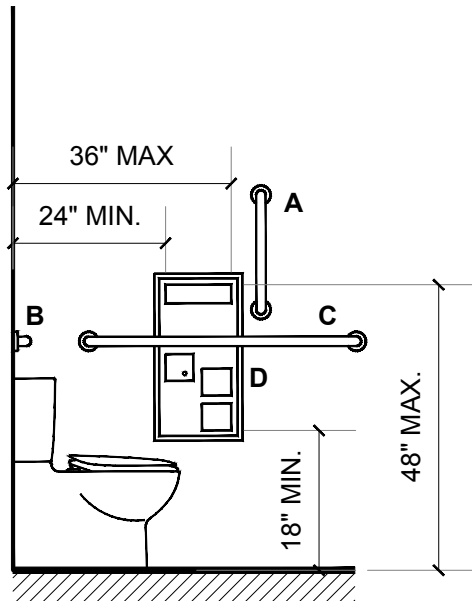
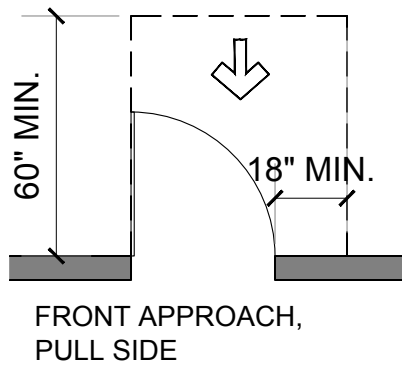
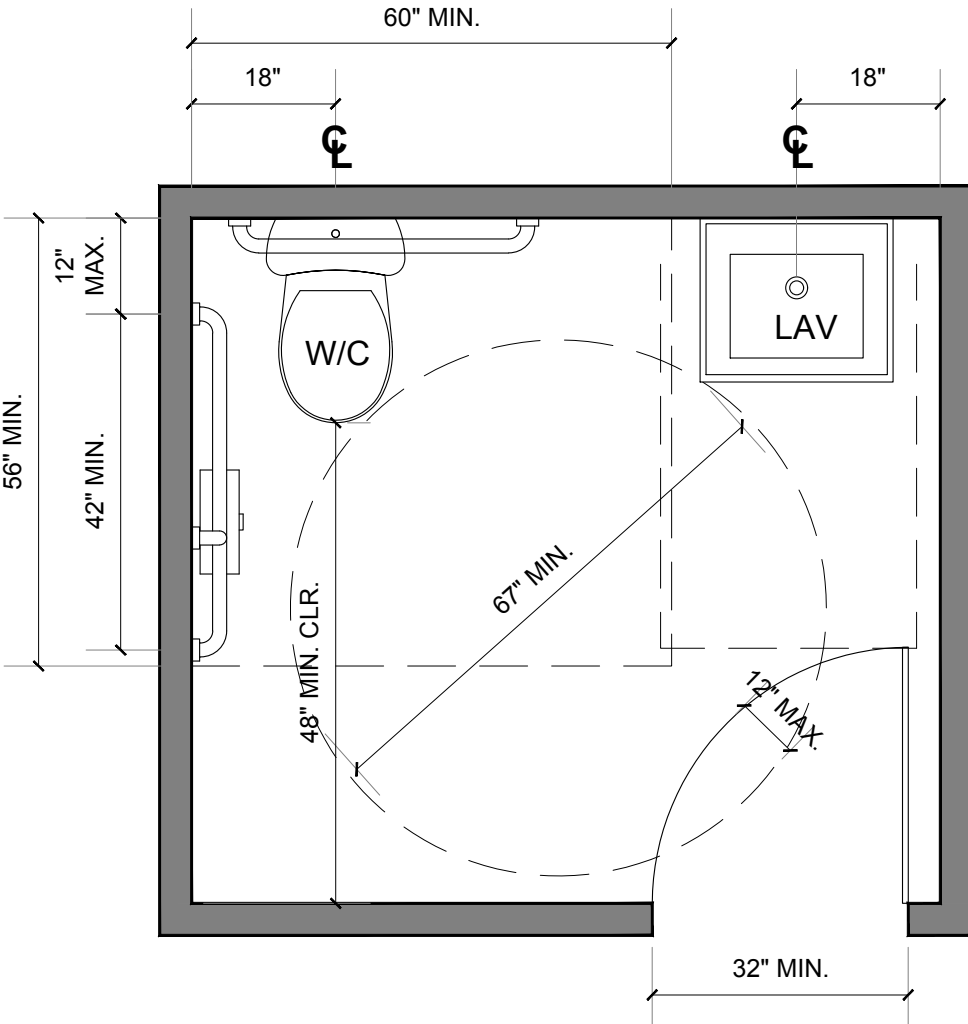


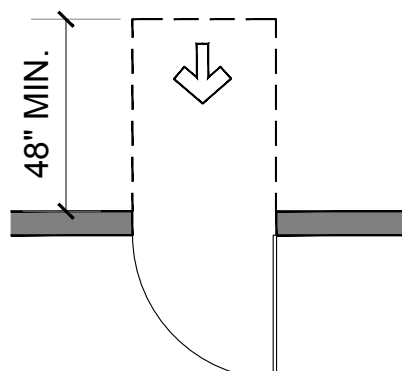
Fig. 12e Recessed Dispensers

LEGEND
A 18" VERTICAL GRAB BAR
B 36" HORIZONTAL GRAB BAR
C 42" HORIZONTAL GRAB BAR
D RECESSED TOILET SEAT DISPENSER, SANITARY NAPKIN DISPOSAL, TOILET TISSUE DISPENSER

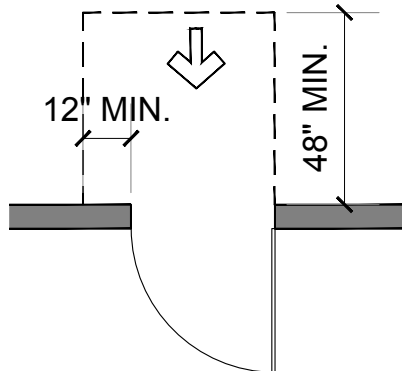
E SURFACE MOUNTED TOILET SEAT COVER DISPENSER (MOUNTS BELOW GRAB BAR)
F SURFACE MOUNTED MULTI-ROLL TOILET TISSUE DISPENSER (MOUNTS BELOW GRAB BAR)
G SURFACE MOUNTED SANITARY NAPKIN DISPOSAL (MOUNTS BELOW GRAB BAR)



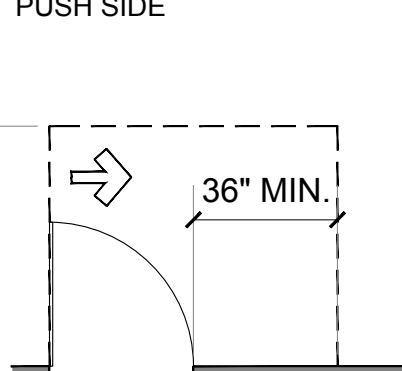
FRONT APPROACH, PULL SIDE



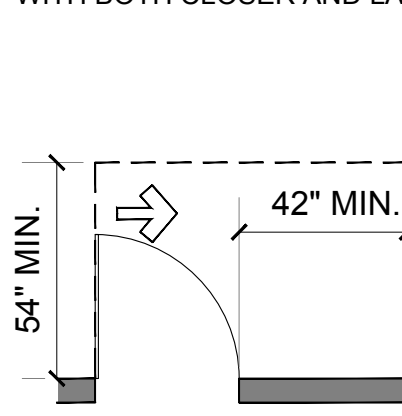
FRONT APPROACH, PUSH SIDE



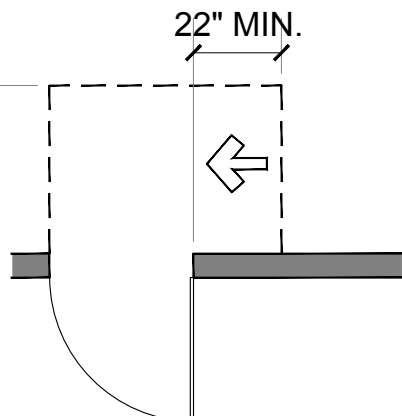
FRONT APPROACH, PUSH SIDE DOOR PROVIDED WITH BOTH CLOSER AND LATCH



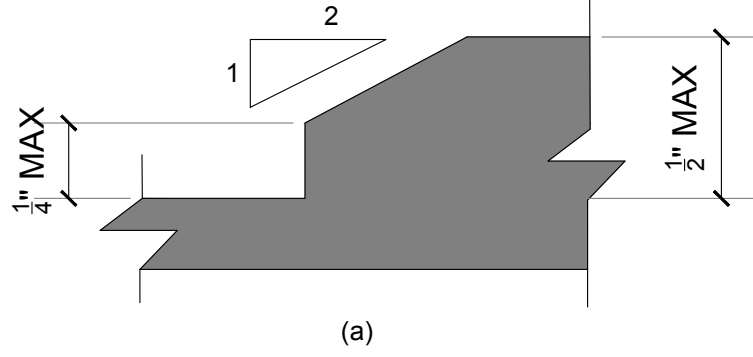
HINGE APPROACH, PULL SIDE



HINGE APPROACH, PULL SIDE



HINGE APPROACH, PUSH SIDE



(a)

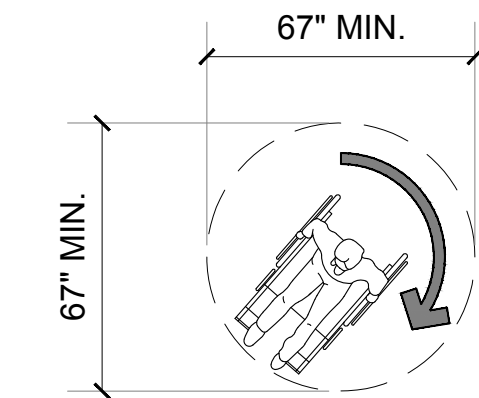
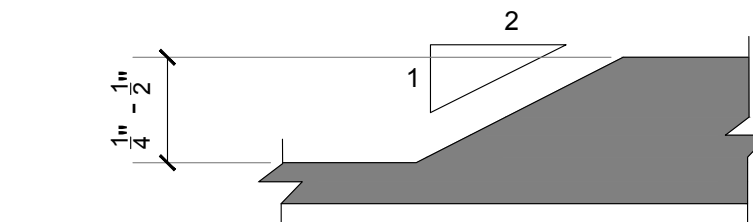


Fig. 2a 60 inch (1525 mm) Diameter Turning Space

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ACCESSIBILITY ILLUSTRATIONS