



9/30/16
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Construction Documents

SHEET
NO. A24
OF
SET NUMBER

REVISED:
DATE: 9/30/16
DRAWN BY: JRR
PROJECT NO.:

ROBERTO J. RUIZ
ARCHITECT, INC.

615 W. TANDY ROAD
BROWNSVILLE, TEXAS 77820
(956) 350-9195 OFFICE
(956) 350-9196 FAX
ARCHRUIZ@AOL.COM

BRONSONVILLE NAVIGATION DISTRICT
OF CAMERON COUNTY, TEXAS
PORT OF BROWNSVILLE
•WORLD CLASS•

PROJECT: ADMINISTRATION COMPLEX
REHABILITATION AND BUILDING ADDITIONS
OWNER: BROWNSVILLE NAVIGATION DISTRICT
PORT OF BROWNSVILLE
BROWNSVILLE, TEXAS

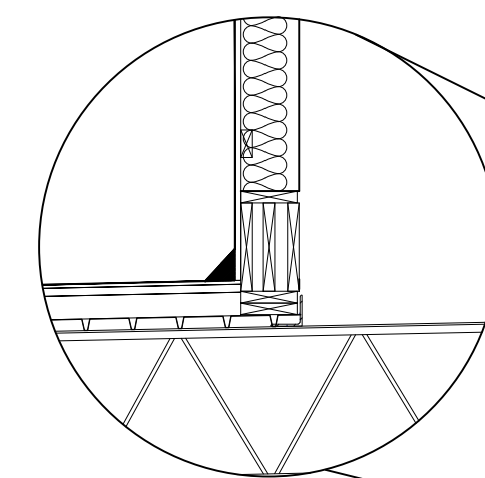
SHEET TITLE:
PARTIAL CROSS SECTIONS

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- GENERAL NOTE:
1. REFERENCE OPPOSITE HAND
VESTIBULE FOR SIMILAR
NOTES
2. REFERENCE TYPICAL CROSS
SECTION AT VESTIBULE -
BUILDING B FOR SIMILAR
NOTES AND DIMENSIONS

1 CROSS SECTION
1/2"=1'-0"

BUILDING B



WIDEN METAL STUD PARAPET WALL TO
ACCOMMODATE HVAC SUPPLY DUCT
AND RETURN DUCT

PROVIDE STEEL ANGLE
SUPPORT FOR DUCT
OPENINGS

ALUM.

PARAPET CAP

PARAPET FLASHING

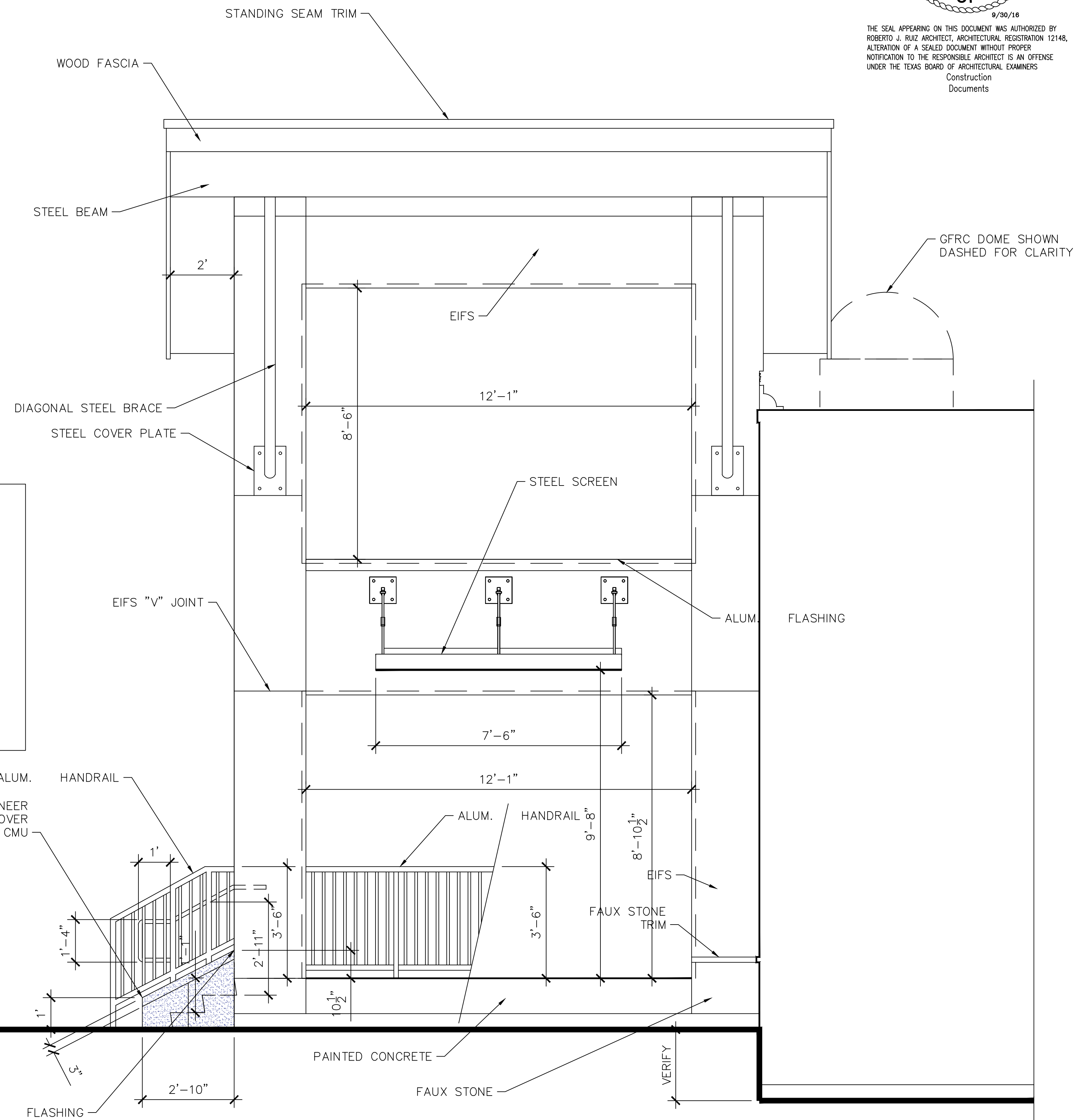
3'-0" VERIFY

REF. MEP FOR HVAC
REG. DUCT LOCATION AND SIZE

REINF. 12" CMU WALL

2 CROSS SECTION
1/2"=1'-0"

BUILDING B



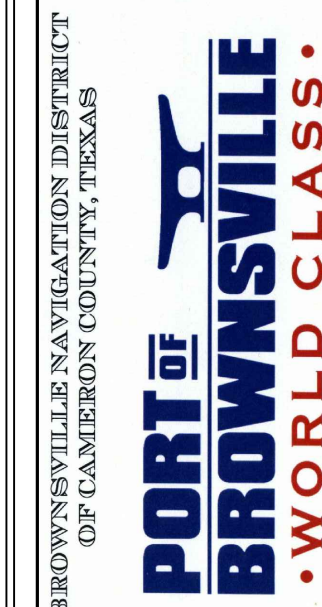
3 CROSS SECTION
1/2"=1'-0"

BUILDING B



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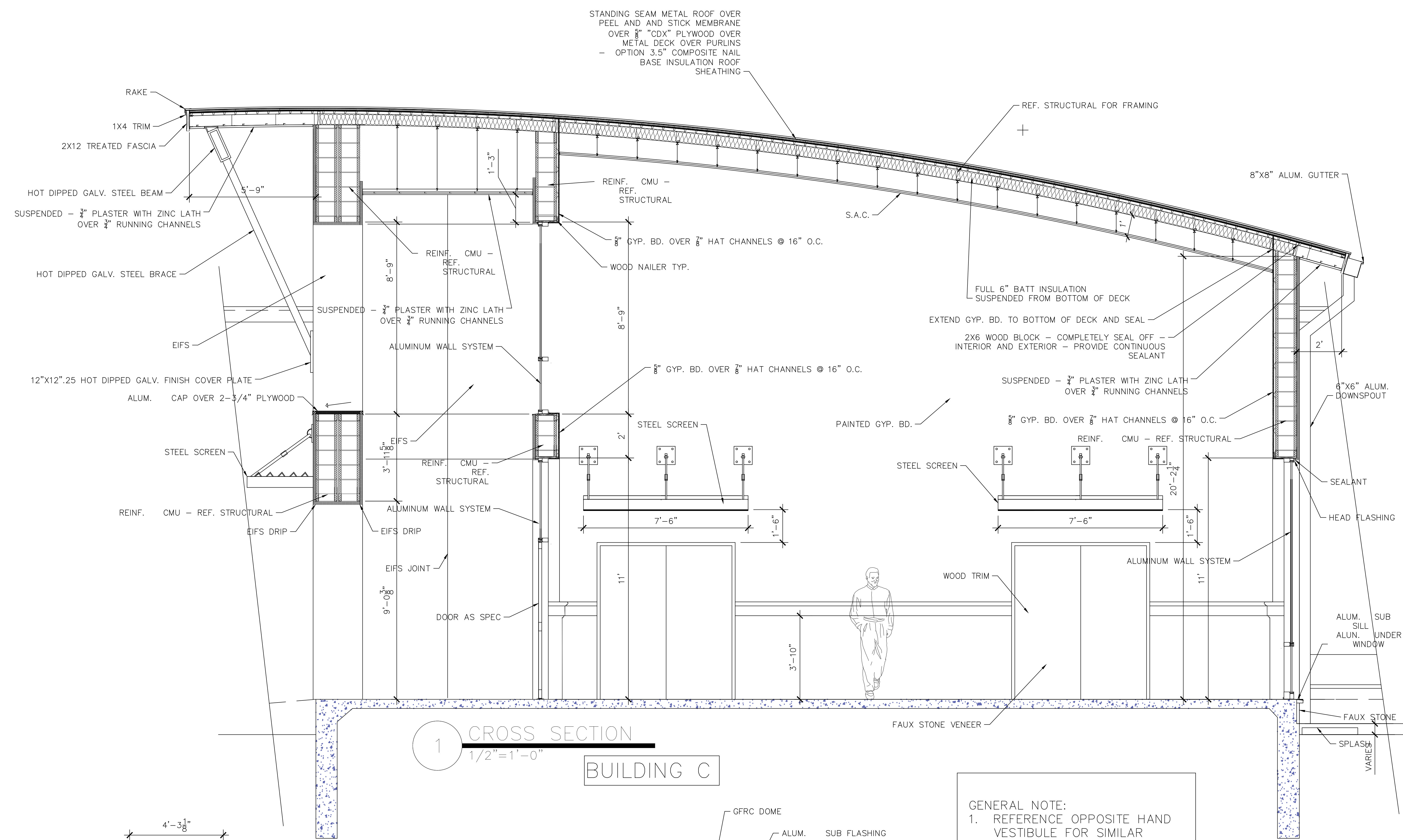
ROBERTO J. RUIZ
ARCHITECT, INC.
615 W. TANDY ROAD
BROWNSVILLE, TEXAS 77820
(956) 350-9195 OFFICE
(956) 350-9196 FAX
ARCHIRUIZ@AOL.COM



PROJECT: ADMINISTRATION COMPLEX
REHABILITATION AND BUILDING ADDITIONS
OWNER: BROWNSVILLE NAVIGATION DISTRICT
PORT OF BROWNSVILLE
BROWNSVILLE, TEXAS

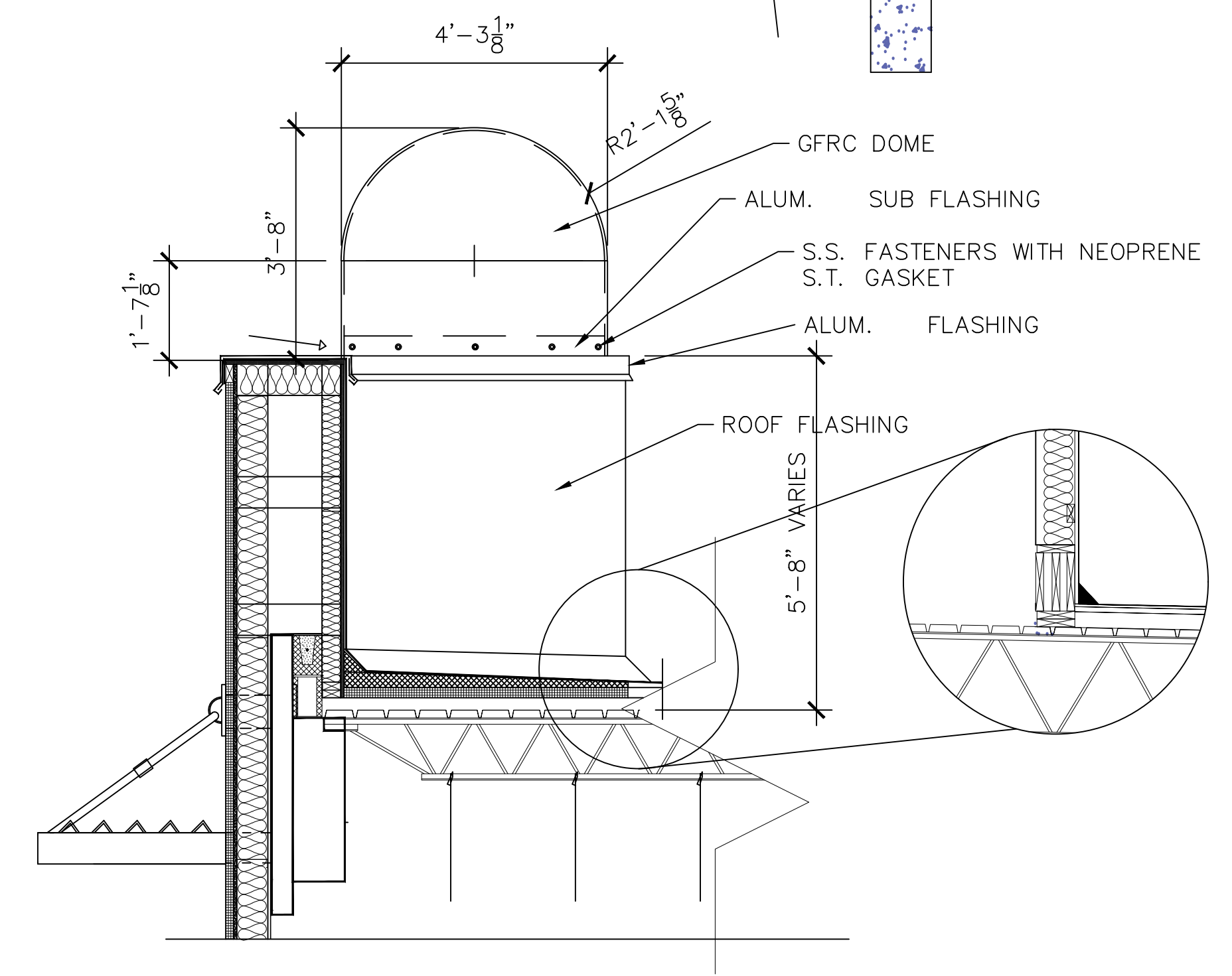
SHEET TITLE:
PARTIAL CROSS SECTION
AND DETAILS

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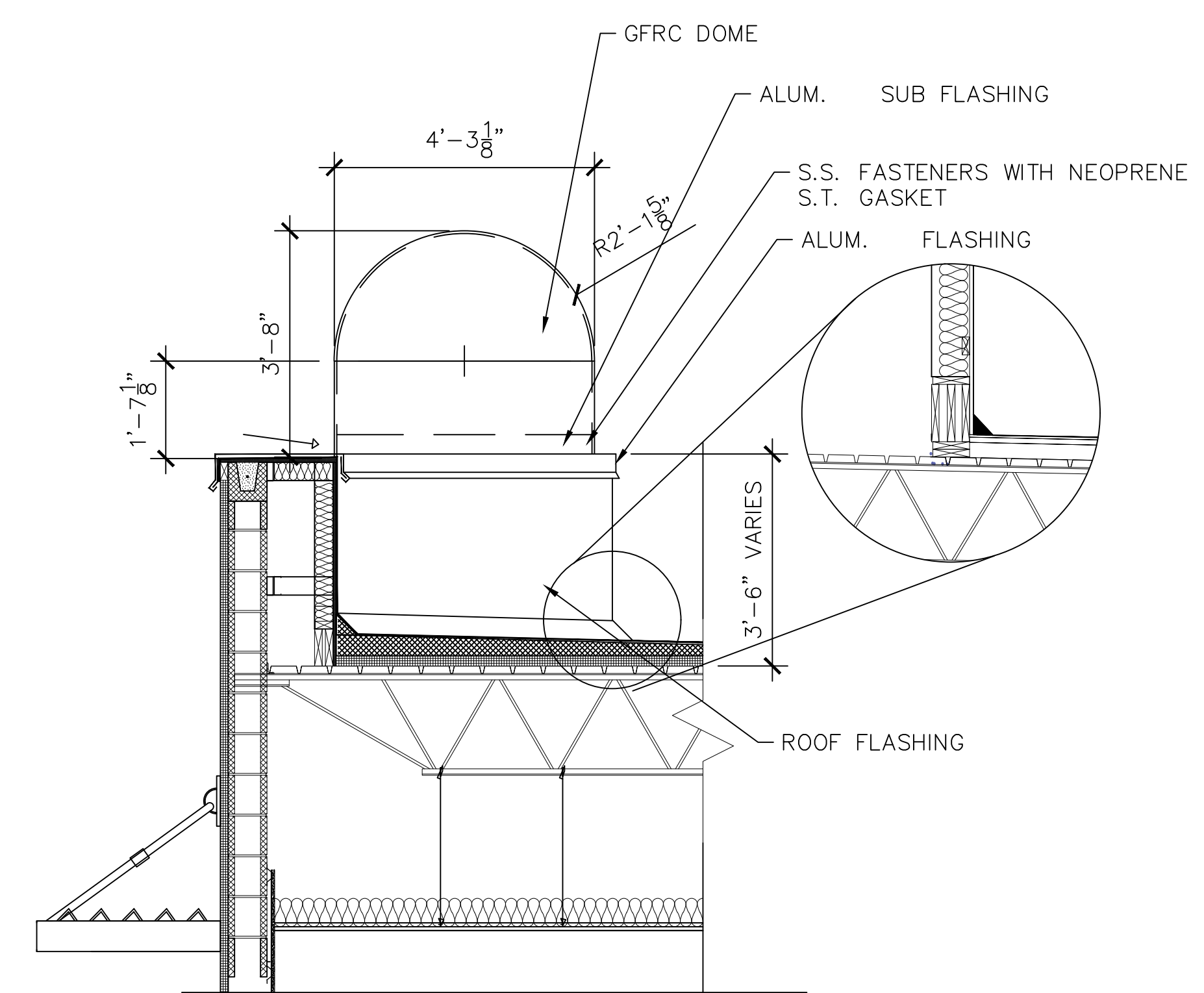


1 CROSS SECTION
1/2" = 1'-0"
BUILDING C

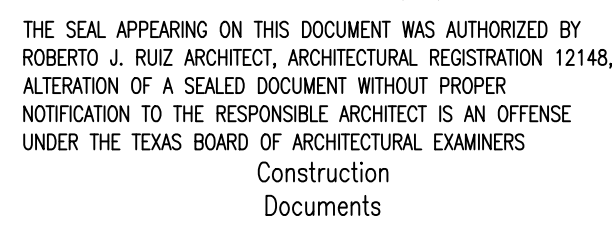
GENERAL NOTE:
1. REFERENCE OPPOSITE HAND VESTIBULE FOR SIMILAR NOTES
2. REFERENCE TYPICAL CROSS SECTION AT VESTIBULE - BUILDING B FOR SIMILAR NOTES AND DIMENSIONS

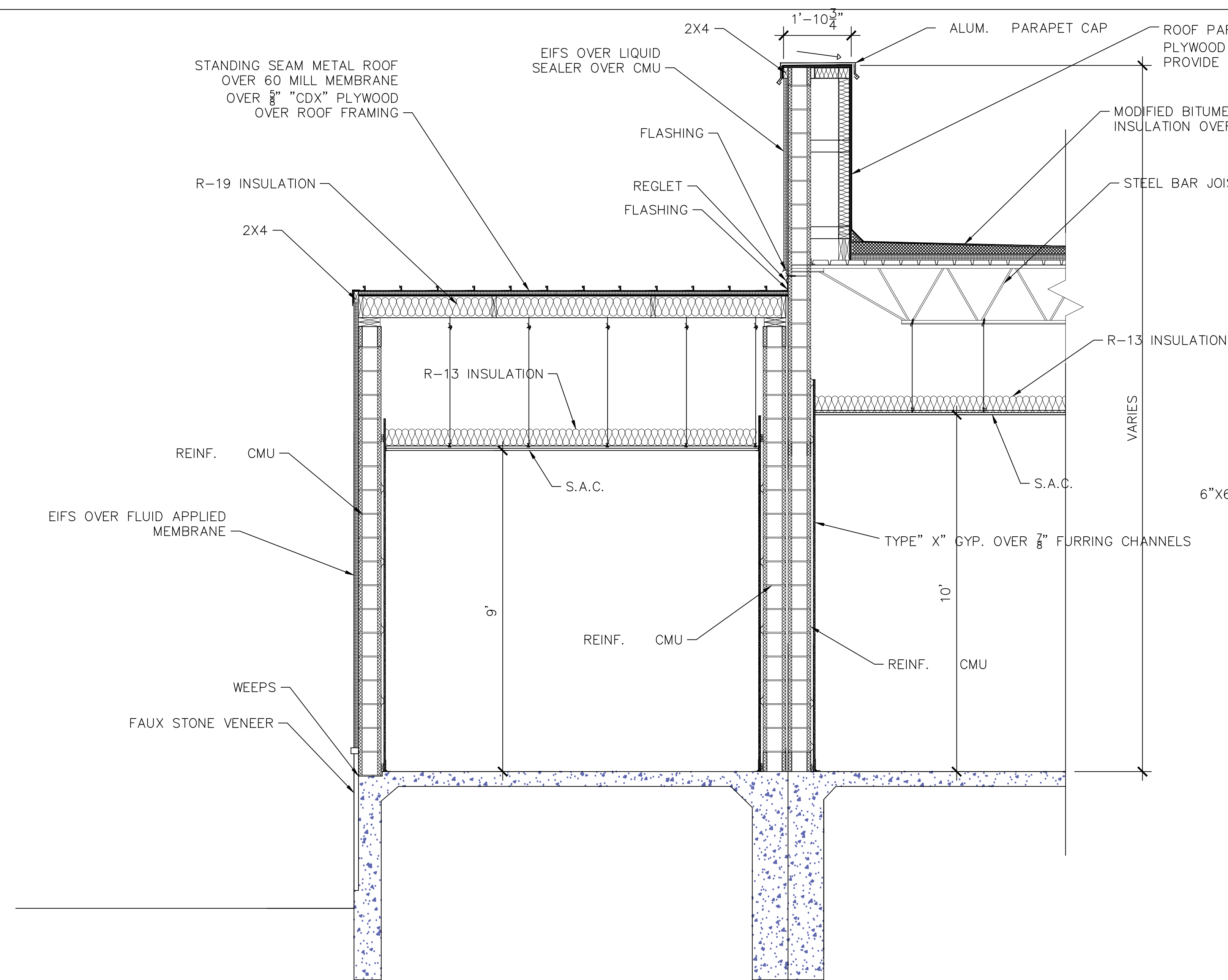


2 GFRC DOME DETAIL
1/2" = 1'-0"

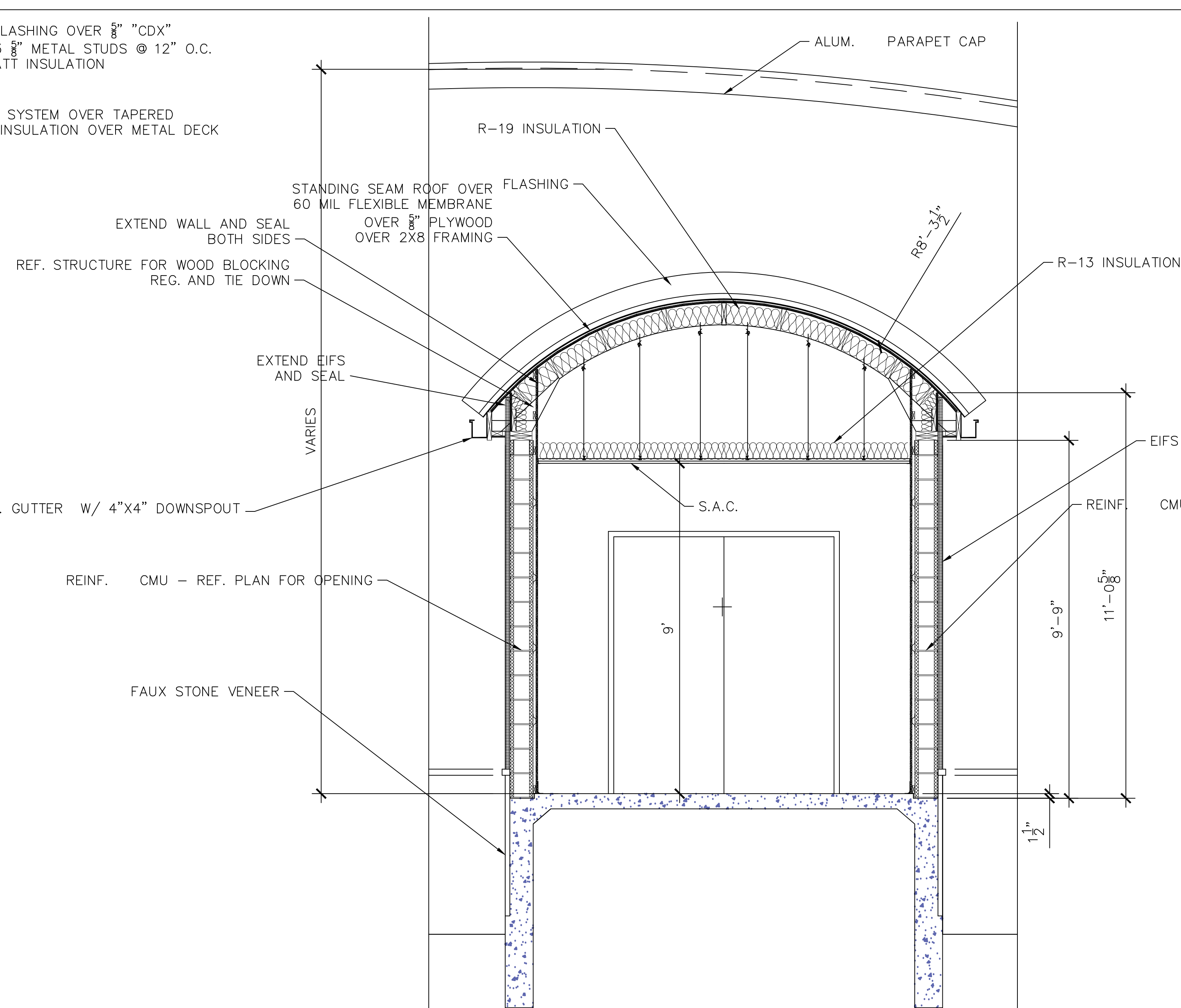


3 GFRC DOME DETAIL
1/2" = 1'-0"

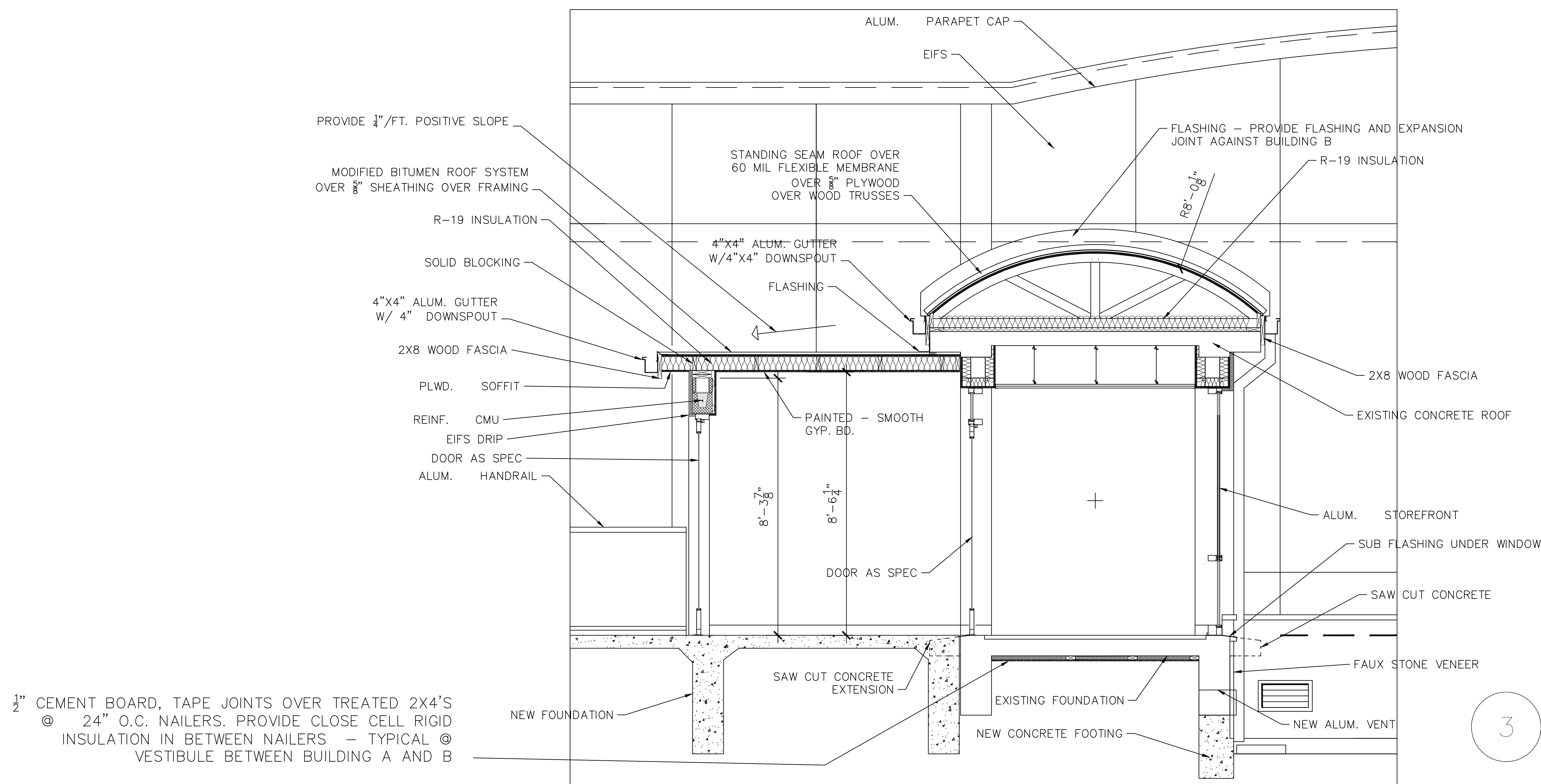




1 CROSS SECTION @ VESTIBULE
1/2"=1'-0"
BUILDING C



2 CROSS SECTION @ VESTIBULE
1/2"=1'-0"
BUILDING A&C



3 CROSS SECTION @ VESTIBULE BETWEEN A/B
1/2"=1'-0"
BUILDING A&B



9/30/18
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SHEET
NO. A27
OF
SET NUMBER

REVISED:

DATE: 9/30/18

DRAWN BY: JRR

PROJECT NO.:

ROBERTO J. RUIZ
ARCHITECT, INC.

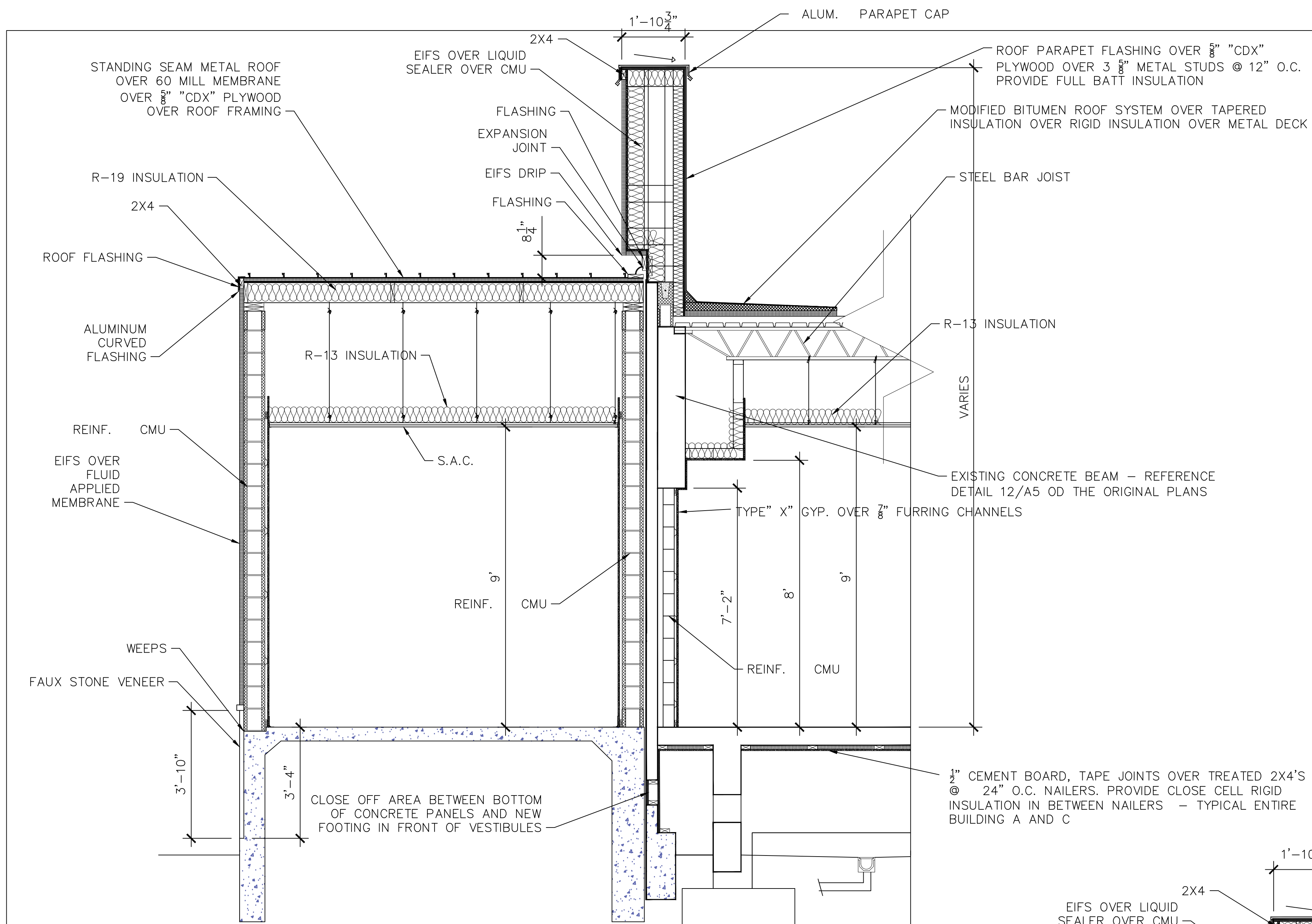
615 W. TANDY ROAD
BROWNSVILLE, TEXAS 77820
(956) 350-9195 OFFICE
(956) 350-9196 FAX
ARCHRUIZ@AOL.COM

BROWNSVILLE NAVIGATION DISTRICT
OF CAMERON COUNTY, TEXAS
PORT OF BROWNSVILLE
• WORLD CLASS •

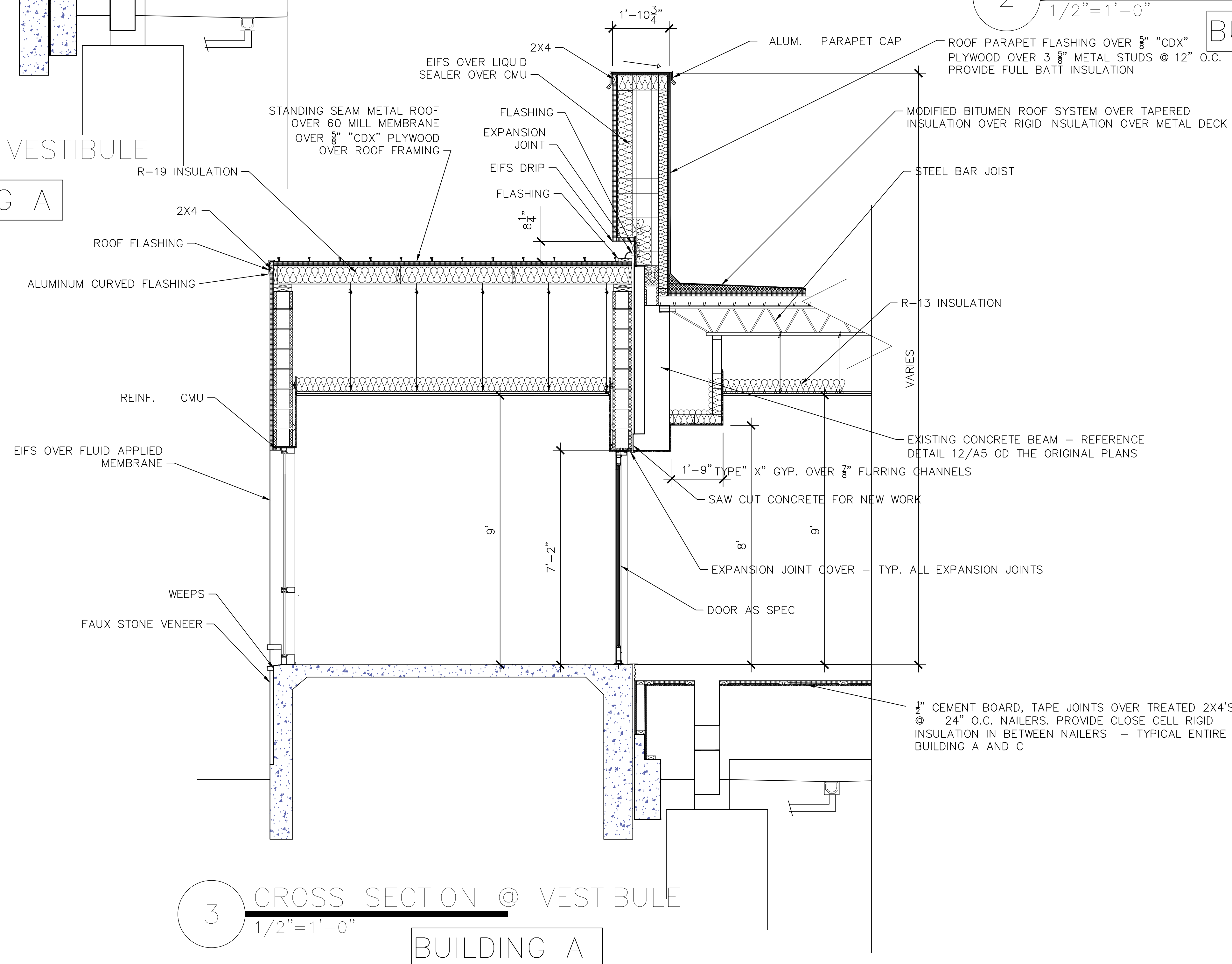
PROJECT: ADMINISTRATION COMPLEX
REHABILITATION AND BUILDING ADDITIONS
OWNER: BROWNSVILLE NAVIGATION DISTRICT
PORT OF BROWNSVILLE
BROWNSVILLE, TEXAS

SHEET TITLE:
PARTIAL CROSS SECTIONS

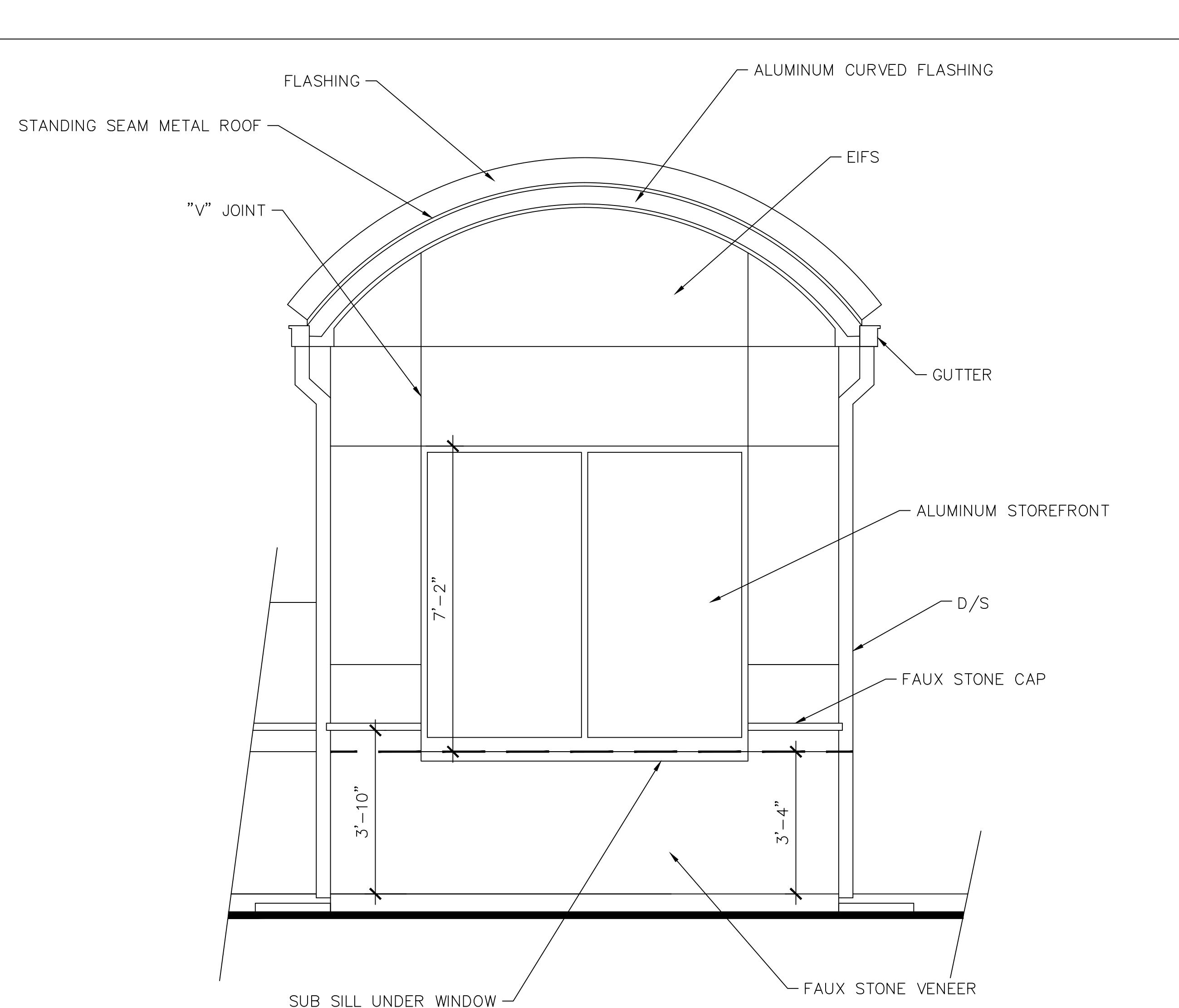
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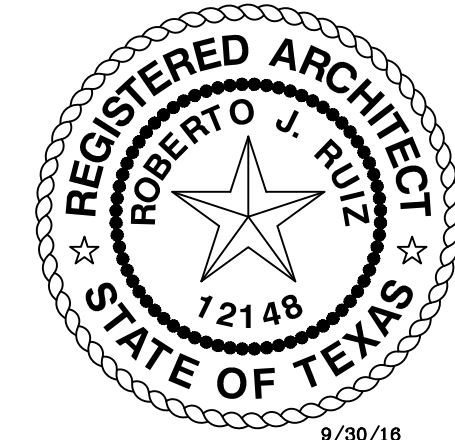
1 CROSS SECTION @ VESTIBULE
1/2"=1'-0"
BUILDING A



3 CROSS SECTION @ VESTIBULE
1/2"=1'-0"
BUILDING A



2 ELEVATION @ VESTIBULE A & C
1/2"=1'-0"
BUILDING A & C



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SHEET NO. A28

OF SET NUMBER

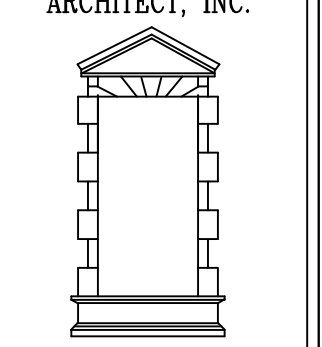
REVISED:

DATE: 9/30/16

DRAWN BY: JRR

PROJECT NO:

ROBERTO J. RUIZ ARCHITECT, INC.



615 W. TANDY ROAD
BROWNSVILLE, TEXAS 77820
(956) 350-9195 OFFICE
(956) 350-9196 FAX
ARCHIRUIZ@AOL.COM

REHABILITATION AND BUILDING ADDITIONS
OWNER: BROWNSVILLE NAVIGATION DISTRICT
PORT OF BROWNSVILLE
BROWNSVILLE, TEXAS

PROJECT: ADMINISTRATION COMPLEX
REHABILITATION AND BUILDING ADDITIONS
OWNER: BROWNSVILLE NAVIGATION DISTRICT
PORT OF BROWNSVILLE
BROWNSVILLE, TEXAS

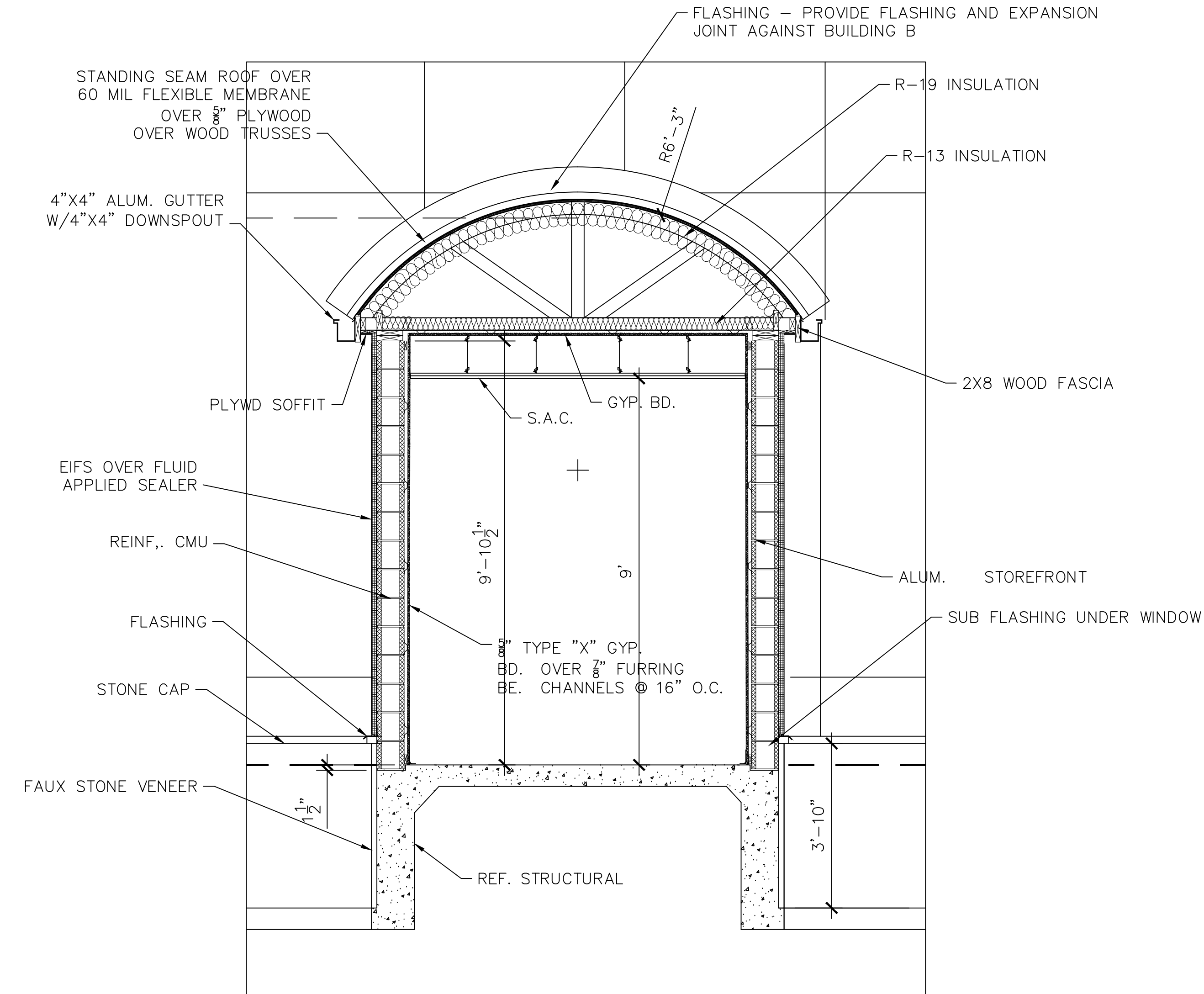
SHEET TITLE:
PARTIAL CROSS SECTIONS
AND ELEVATION

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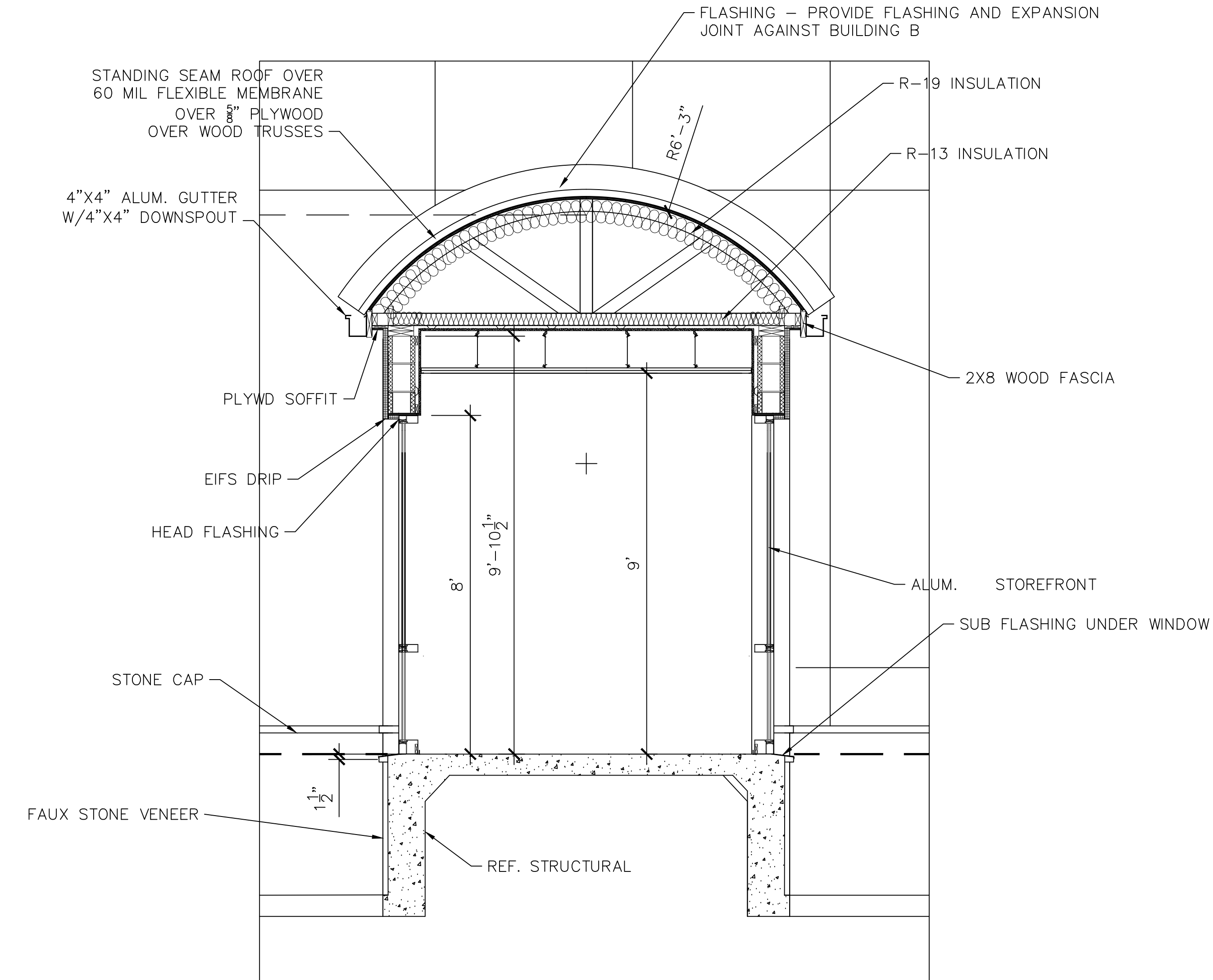


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Construction
Documents



1 CROSS SECTION @ VESTIBULE @ BUILDING B AND C
1/2"=1'-0"



2 CROSS SECTION @ VESTIBULE @ BUILDING B AND C
1/2"=1'-0"

SHEET NO.	A29
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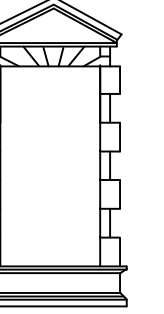
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ET NUMBER	

100

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PROJECT NO.:

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ARCHITECT, INC.



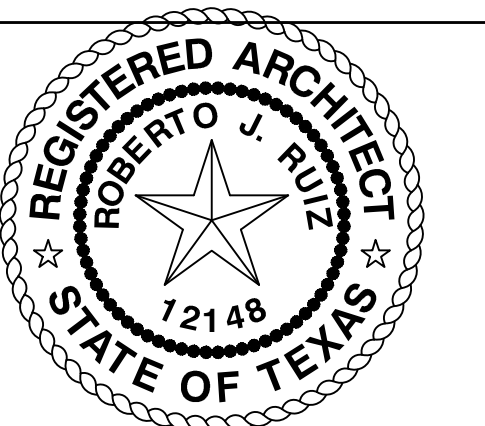
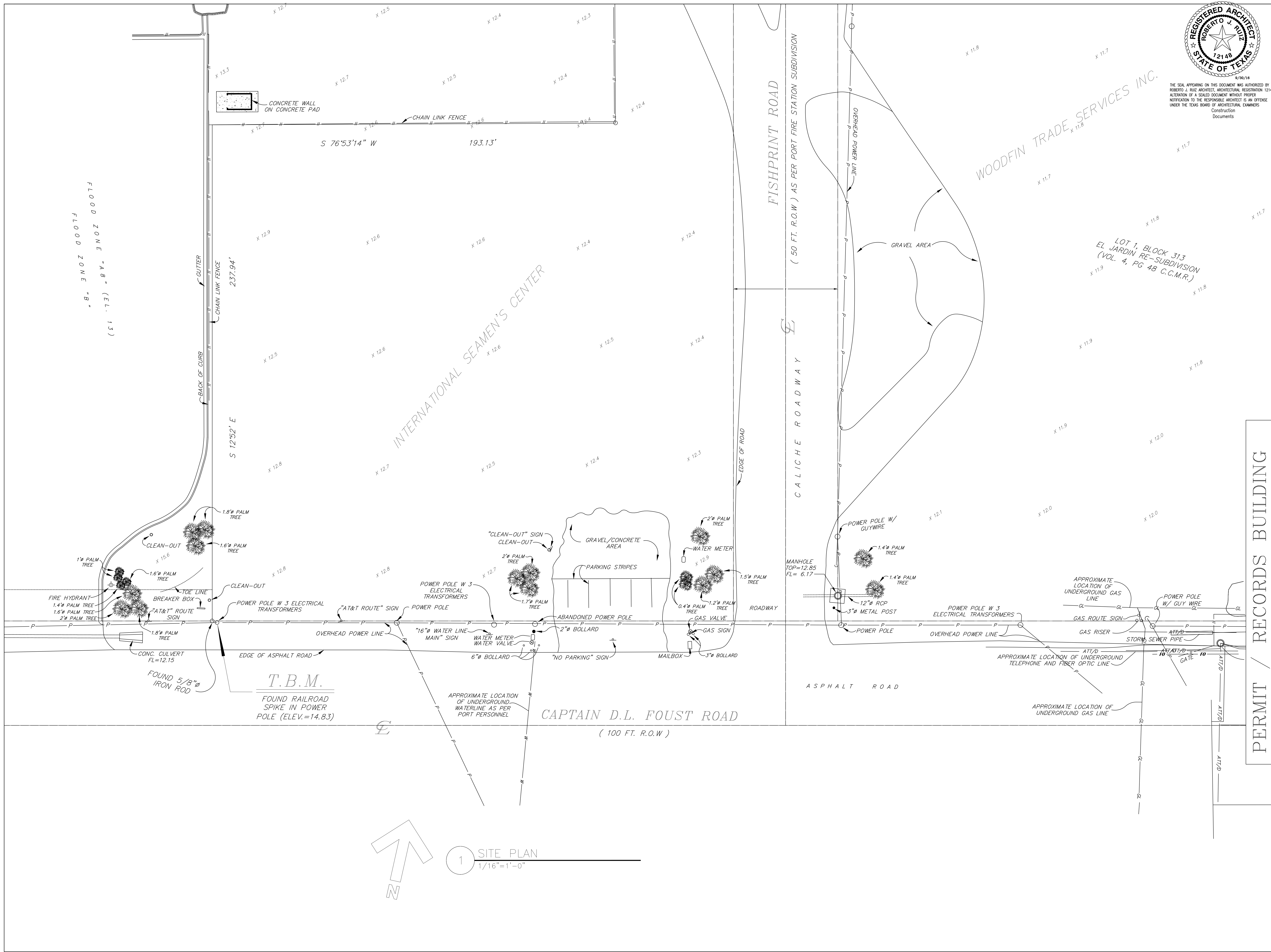
PORT of
BROWNSVILLE
• WORLD CLASS •

PROJECT: ADMINISTRATION COMPLEX
REHABILITATION AND BUILDING ADDITIONS

OWNER: BROWNSVILLE NAVIGATION DISTRICT
PORT OF BROWNSVILLE
BROWNSVILLE, TEXAS

SHEET TITLE:
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WOODFIN TRADE SERVICES INC.

LOT 1, BLOCK 313
EL JARDIN RE-SUBDIVISION
(VOL. 4, PG 48 C.C.M.R.)

PERMIT / RECORDS BUILDING

SHEET NO. PRG1
OF SET NUMBER

REVISED:
DATE: 9/30/16
DRAWN BY: JRR
PROJECT NO.:

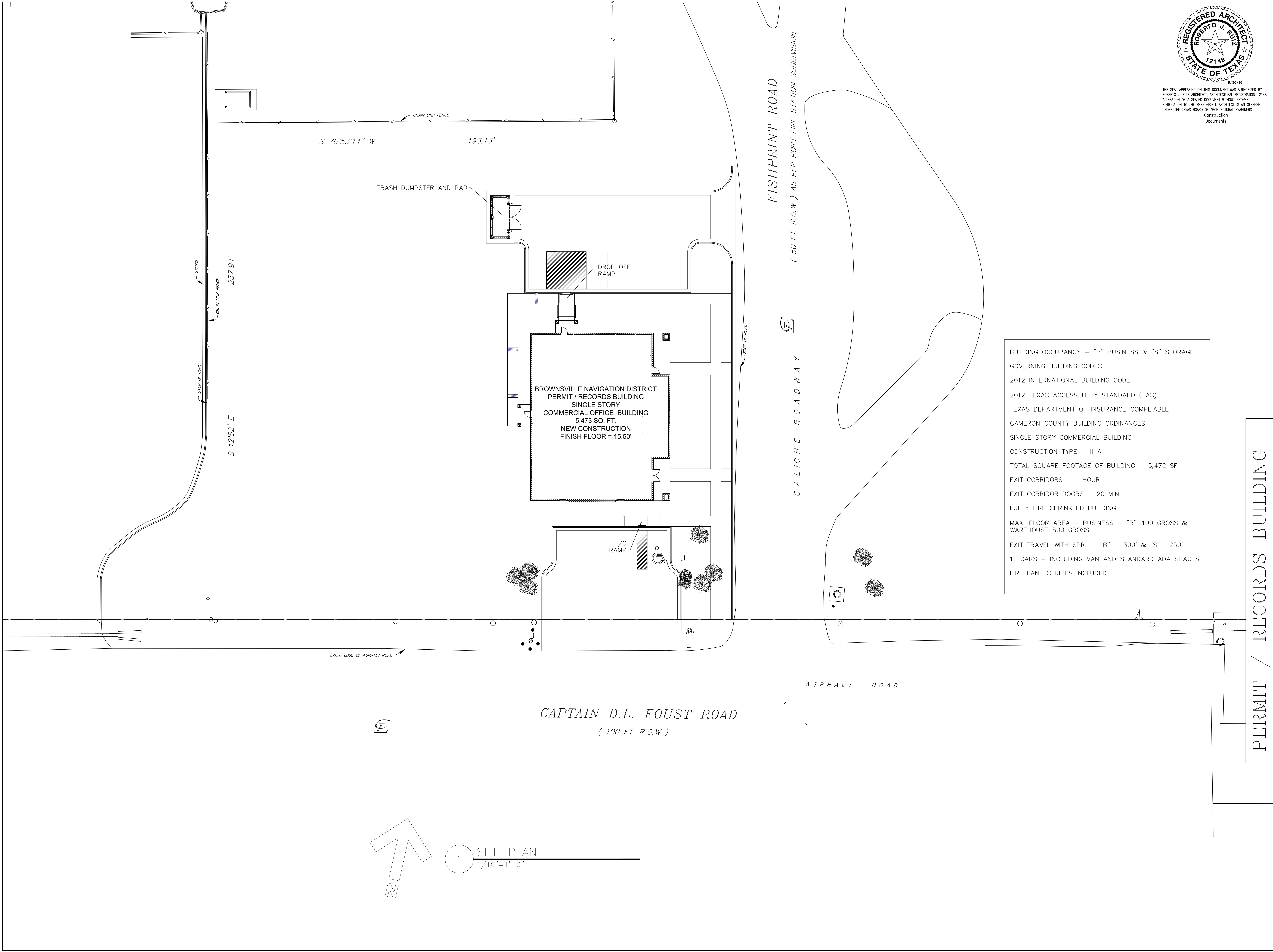
ROBERTO J. RUIZ
ARCHITECT, INC.
615 W. TANDY ROAD
BROWNSVILLE, TEXAS 77820
(956) 850-9195 OFFICE
(956) 350-9196 FAX
ARCHIRUIZ@AOL.COM

BROWNSVILLE NAVIGATION DISTRICT
OF CAMERON COUNTY, TEXAS
PORT OF BROWNSVILLE
•WORLD CLASS•

PROJECT: ADMINISTRATION COMPLEX
PERMIT / RECORDS BUILDING
OWNER: BROWNSVILLE NAVIGATION DISTRICT
PORT OF BROWNSVILLE
BROWNSVILLE, TEXAS

SHEET TITLE:
PARTIAL SURVEY

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Construction
Documents

SHEET NO.	PRG2
OF	
SET NUMBER	
REVISED:	
DATE: 9/30/16	DRAWN BY: JER
	PROJECT NO.:

ROBERTO J. RUIZ
ARCHITECT, INC.

615 W. TANDY ROAD
BROWNSVILLE, TEXAS 77820
(956) 350-9195 OFFICE
(956) 350-9196 FAX
ARCHIRUIZ@AOL.COM

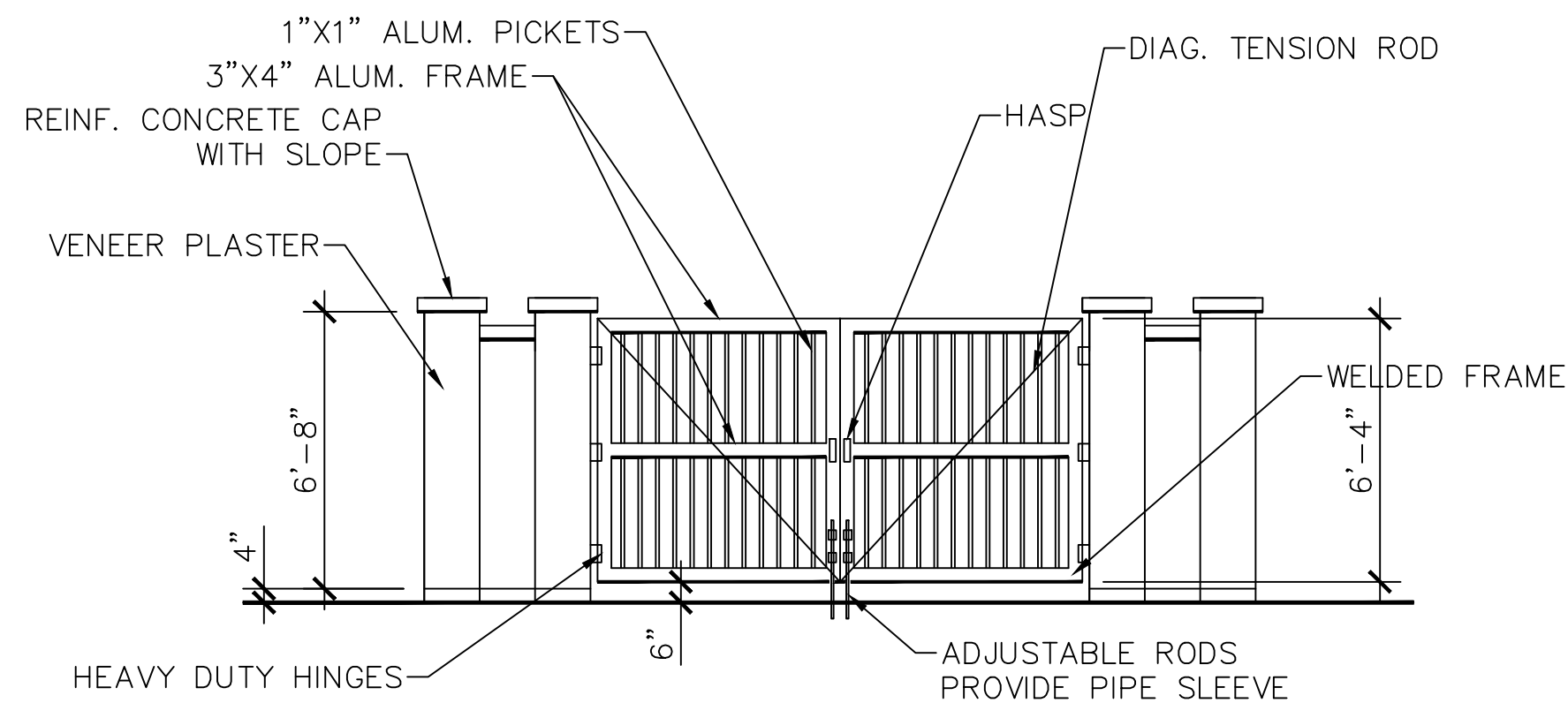
BUILDING OCCUPANCY – "B" BUSINESS & "S" STORAGE
GOVERNING BUILDING CODES
2012 INTERNATIONAL BUILDING CODE
2012 TEXAS ACCESSIBILITY STANDARD (TAS)
TEXAS DEPARTMENT OF INSURANCE COMPLIABLE
CAMERON COUNTY BUILDING ORDINANCES
SINGLE STORY COMMERCIAL BUILDING
CONSTRUCTION TYPE – II A
TOTAL SQUARE FOOTAGE OF BUILDING – 5,472 SF
EXIT CORRIDORS – 1 HOUR
EXIT CORRIDOR DOORS – 20 MIN.
FULLY FIRE SPRINKLED BUILDING
MAX. FLOOR AREA – BUSINESS – "B"–100 GROSS &
WAREHOUSE 500 GROSS
EXIT TRAVEL WITH SPR. – "B" – 300' & "S" –250'
11 CARS – INCLUDING VAN AND STANDARD ADA SPACES
FIRE LANE STRIPES INCLUDED

PERMIT / RECORDS BUILDING

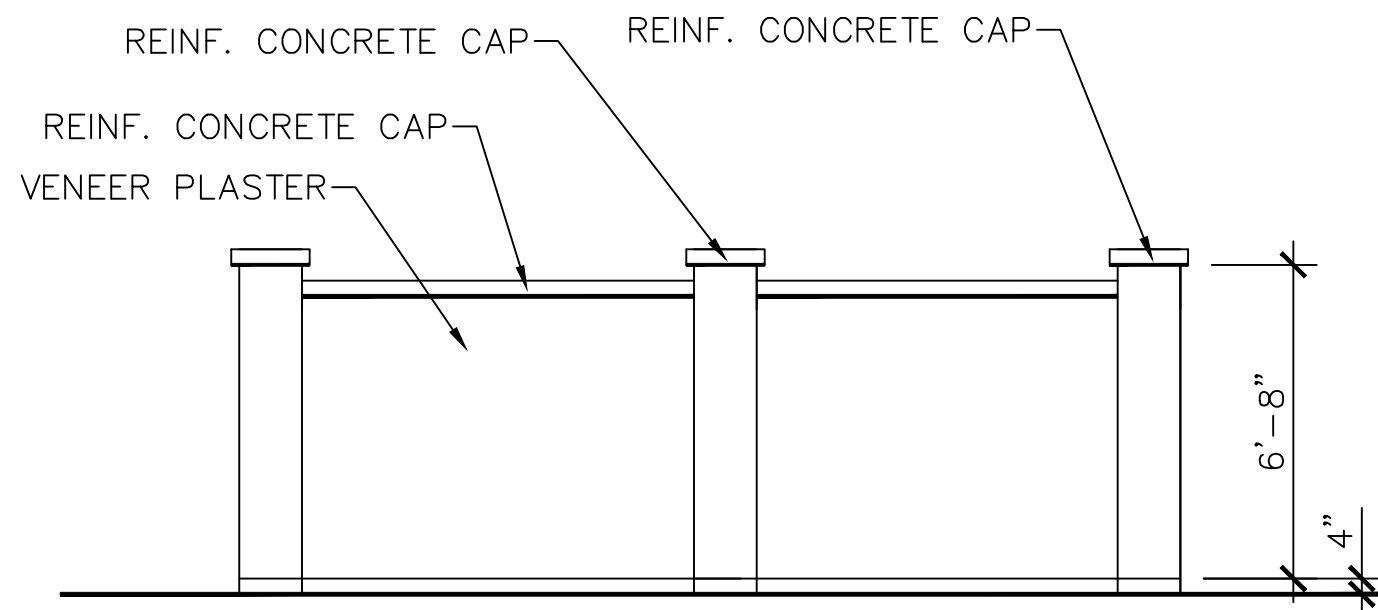
BROWNSVILLE NAVIGATION DISTRICT
OF CAMERON COUNTY, TEXAS

PROJECT: ADMINISTRATION COMPLEX
PERMIT / RECORDS BUILDING
OWNER: BROWNSVILLE NAVIGATION DISTRICT
PORT OF BROWNSVILLE
BROWNSVILLE, TEXAS

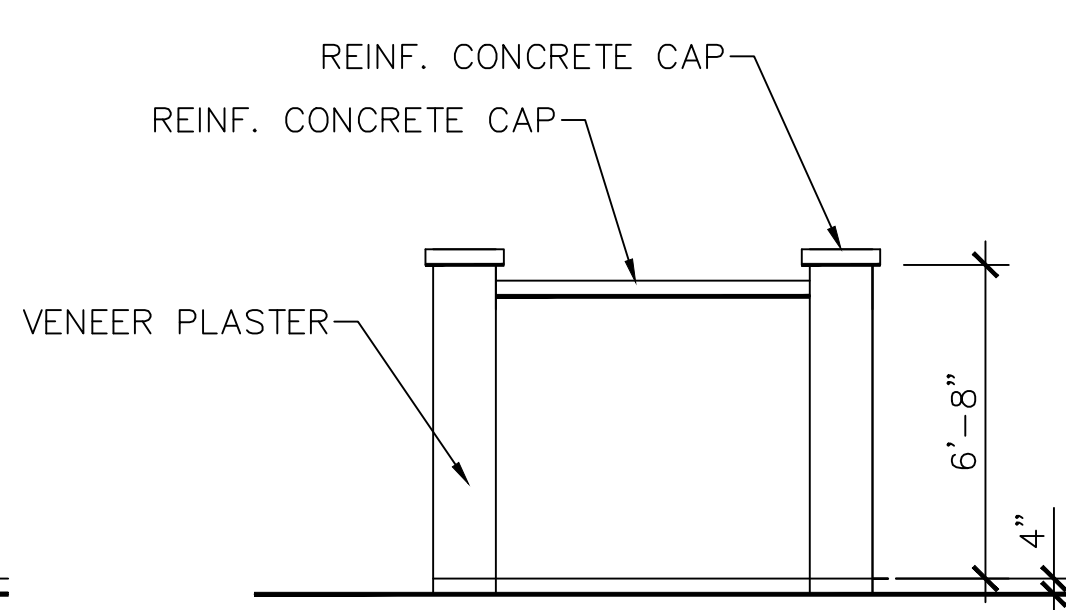
SHEET TITLE:
ARCHITECTURAL SITE PLAN



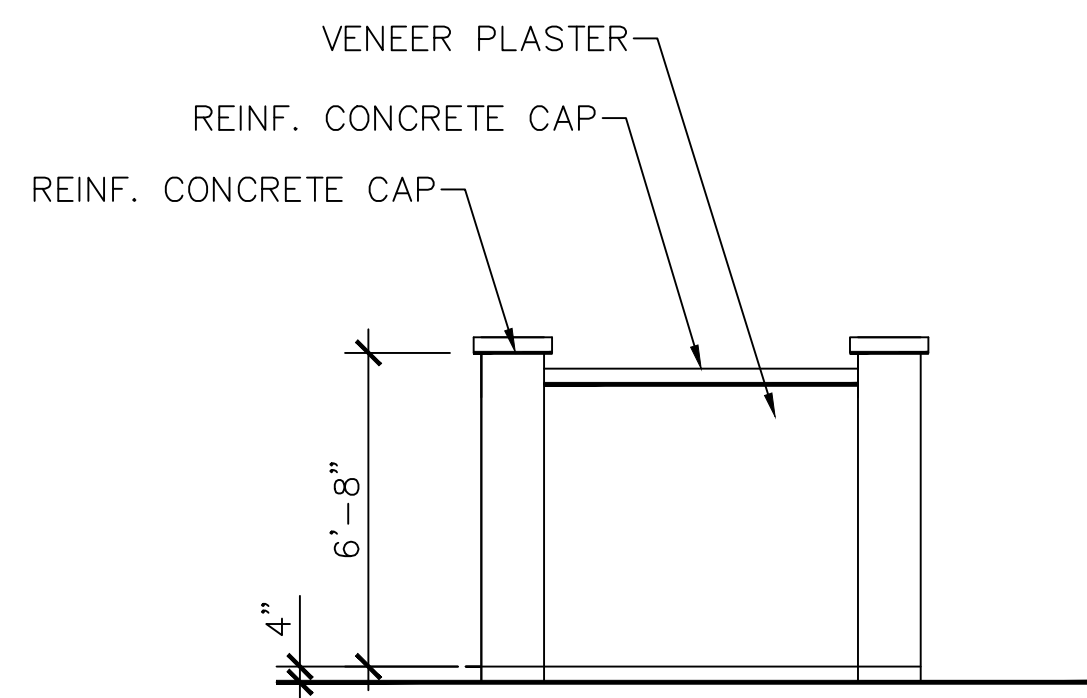
1 FRONT ELEVATION
1/4" = 1'-0"



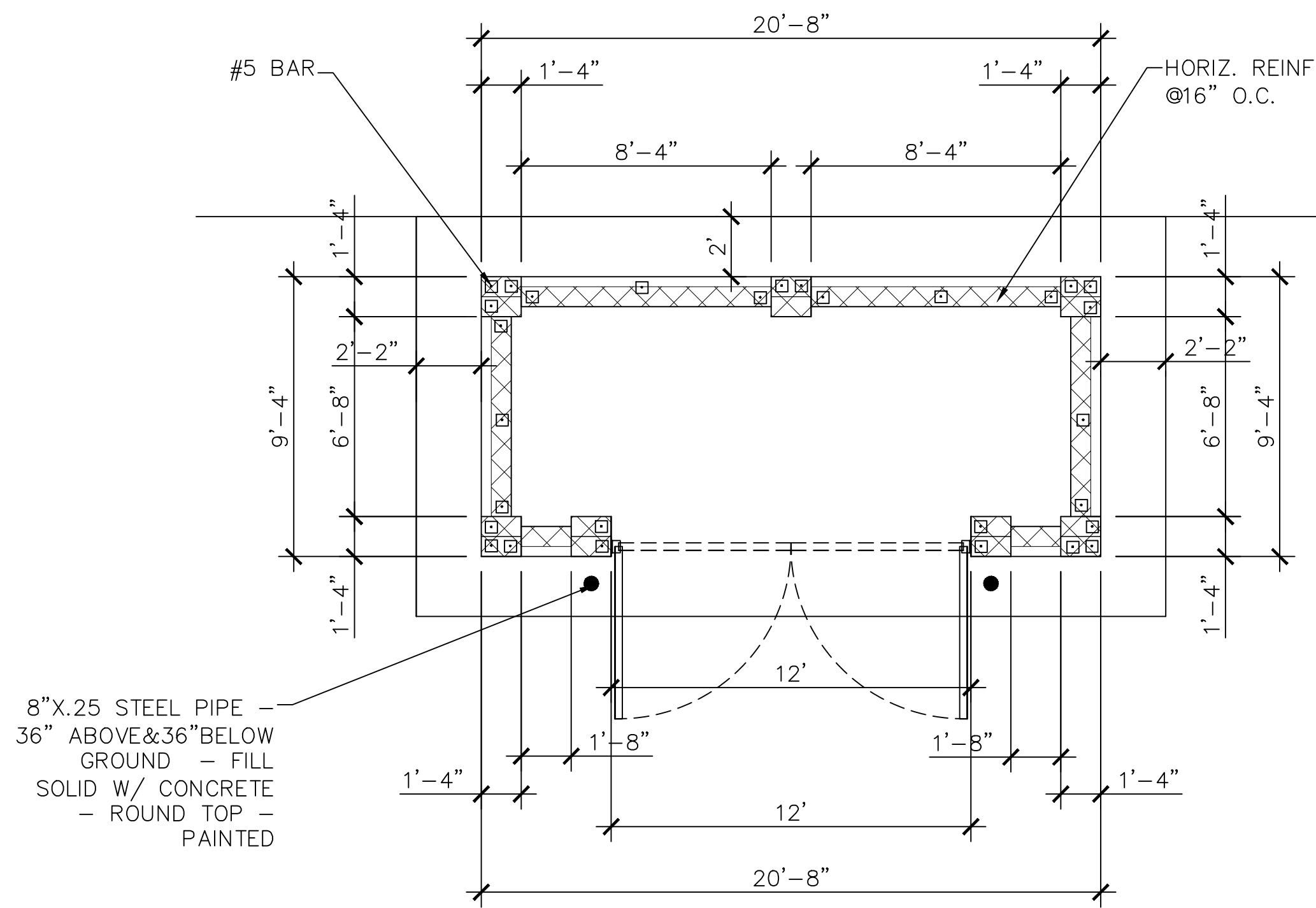
2 REAR ELEVATION
1/4" = 1'-0"



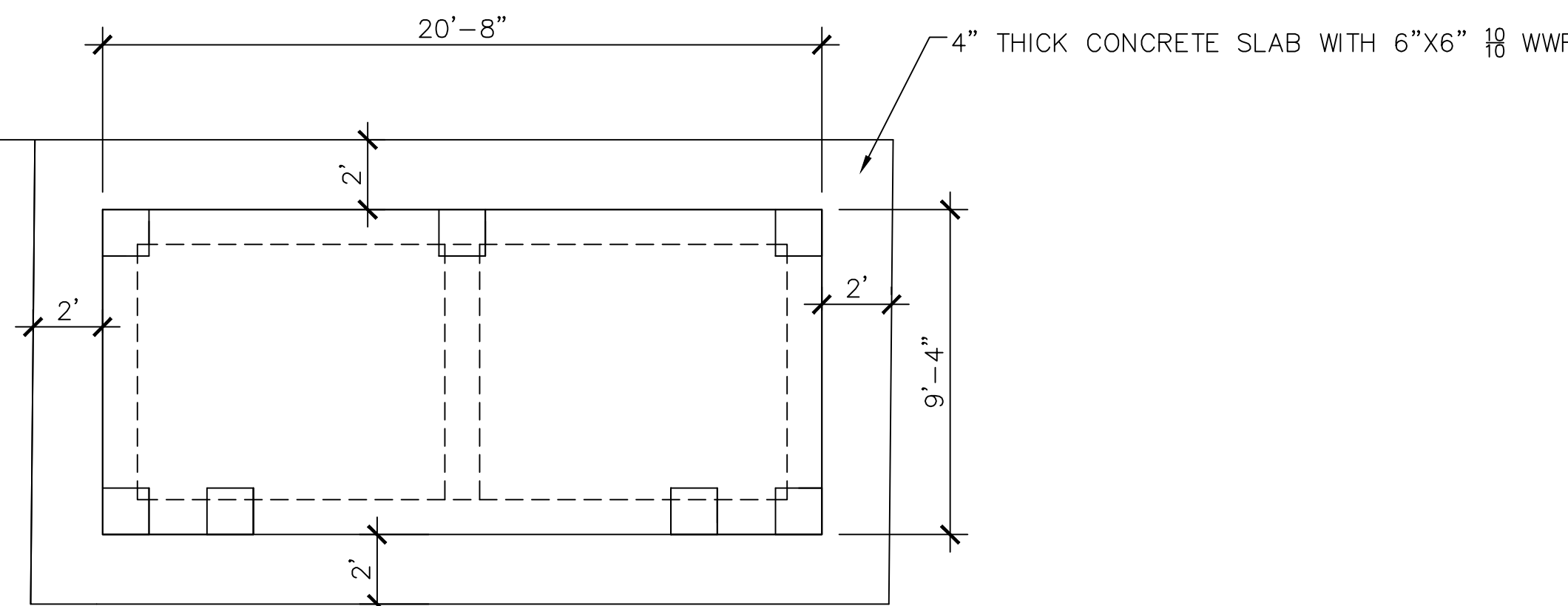
3 RIGHT ELEVATION
1/4" = 1'-0"



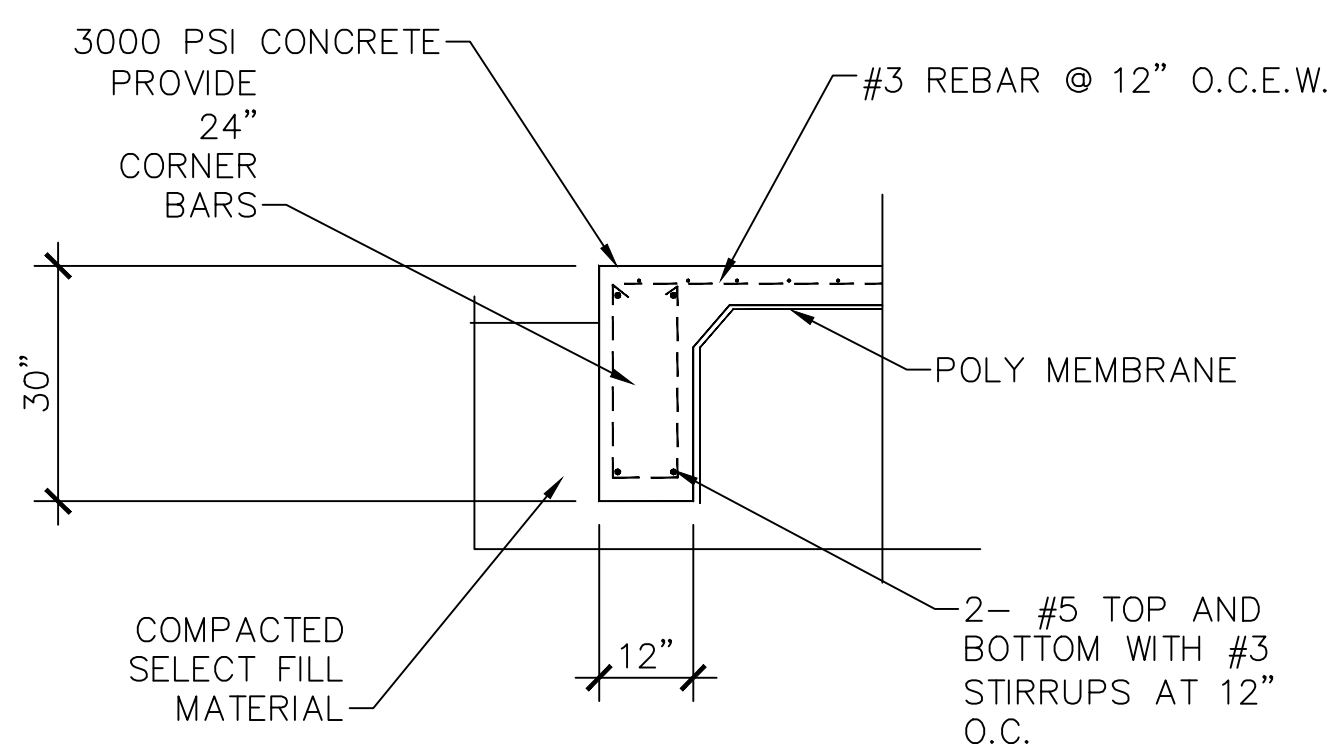
4 LEFT ELEVATION
1/4" = 1'-0"



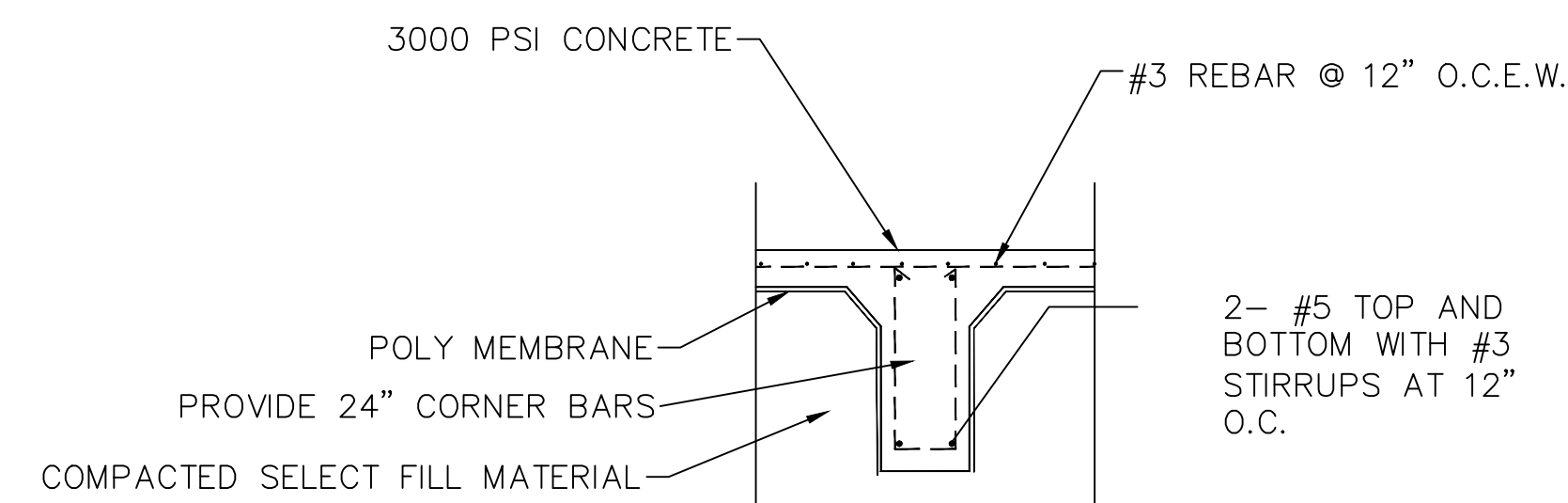
5 FLOOR PLAN
1/4" = 1'-0"



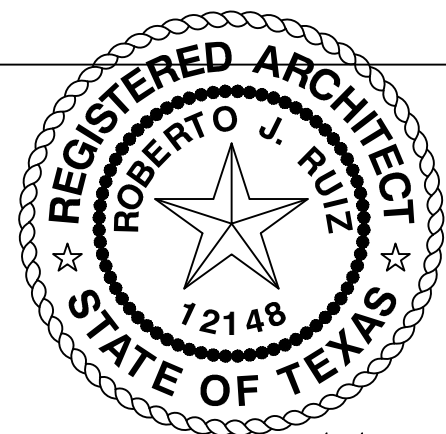
8 FOUNDATION PLAN
1/4" = 1'-0"



9 FOUNDATION DTL.
1/4" = 1'-0"



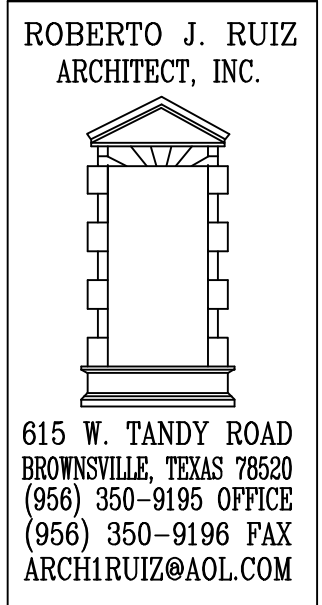
10 FOUNDATION DTL.
1/4" = 1'-0"



9/30/16
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SHEET
NO. PRG3
OF
SET NUMBER

REVISED:
DATE: 9/30/16
DRAWN BY: JRR
PROJECT NO.:

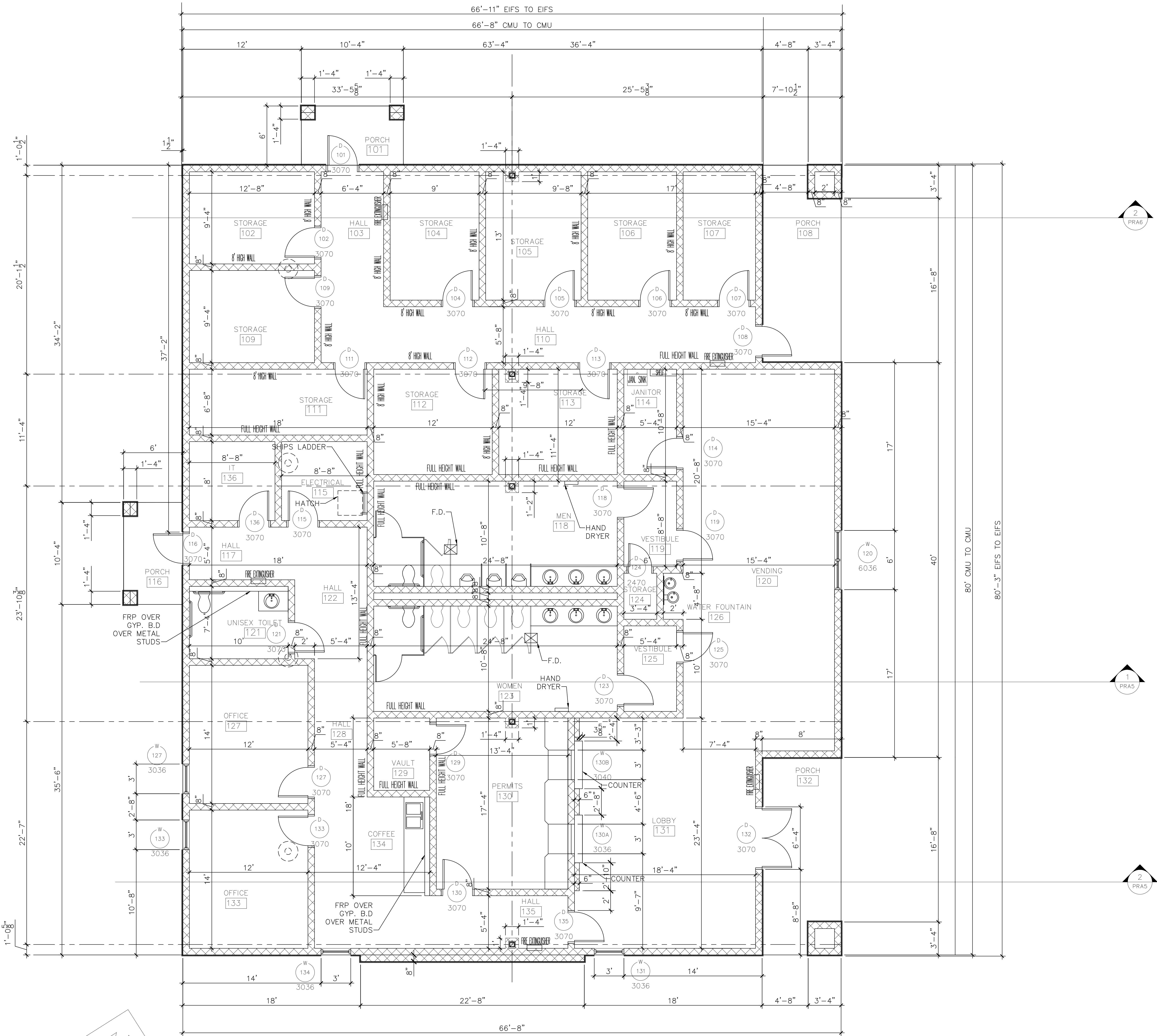


PROJECT: ADMINISTRATION COMPLEX
PERMIT / RECORDS BUILDING
OWNER: BROWNSVILLE NAVIGATION DISTRICT
PORT OF BROWNSVILLE
BROWNSVILLE, TEXAS

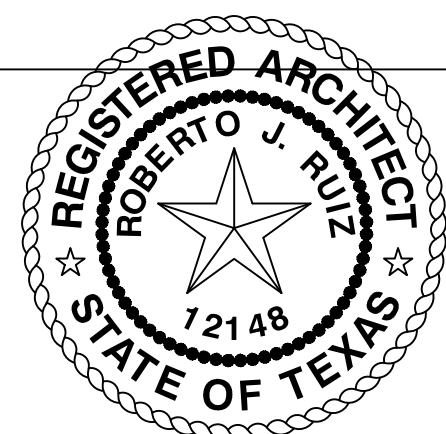
SHEET TITLE:
TRASH DUMPSTER - FLOOR PLAN,
FOUNDATION PLAN, ELEVATIONS AND
DETAILS

PERMIT / RECORDS BUILDING

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1 FLOOR PLAN
1/4"=1'-0"



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SHEET
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OF
SET NUMBER

REVISED:
DATE: 9/30/16
DRAWN BY: JRR
PROJECT NO.:

ROBERTO J. RUIZ
ARCHITECT, INC.

615 W. TANDY ROAD
BROWNSVILLE, TEXAS 77803
(956) 350-9195 OFFICE
(956) 350-9196 FAX
ARCHIRUIZ@AOL.COM

BROWNSVILLE NAVIGATION DISTRICT
OF CAMERON COUNTY, TEXAS

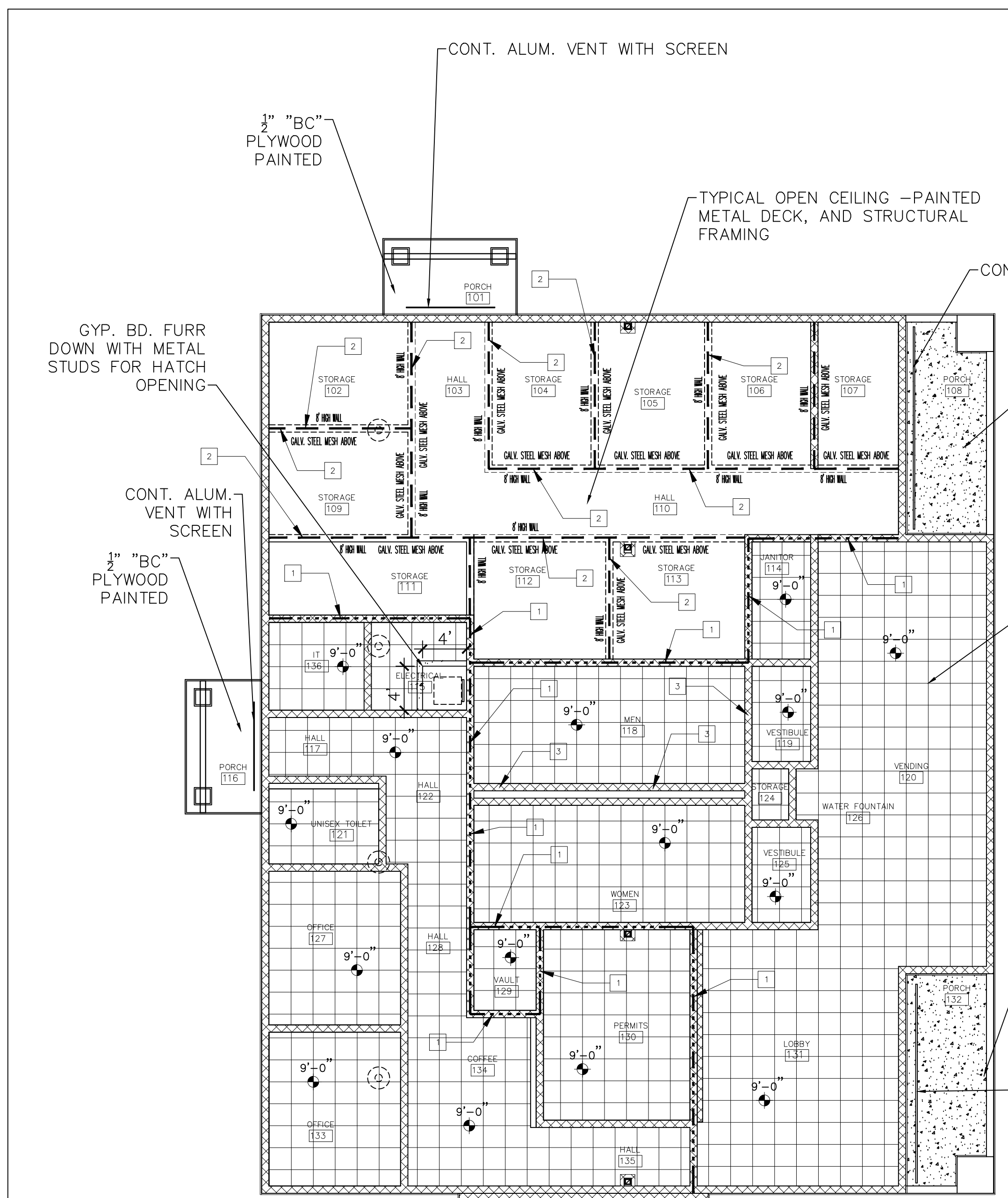
PORT of BROWNSVILLE
WORLD CLASS

PROJECT: ADMINISTRATION COMPLEX
PERMIT / RECORDS BUILDING
OWNER: BROWNSVILLE NAVIGATION DISTRICT
PORT OF BROWNSVILLE
BROWNSVILLE, TEXAS

SHEET TITLE:
FLOOR PLAN

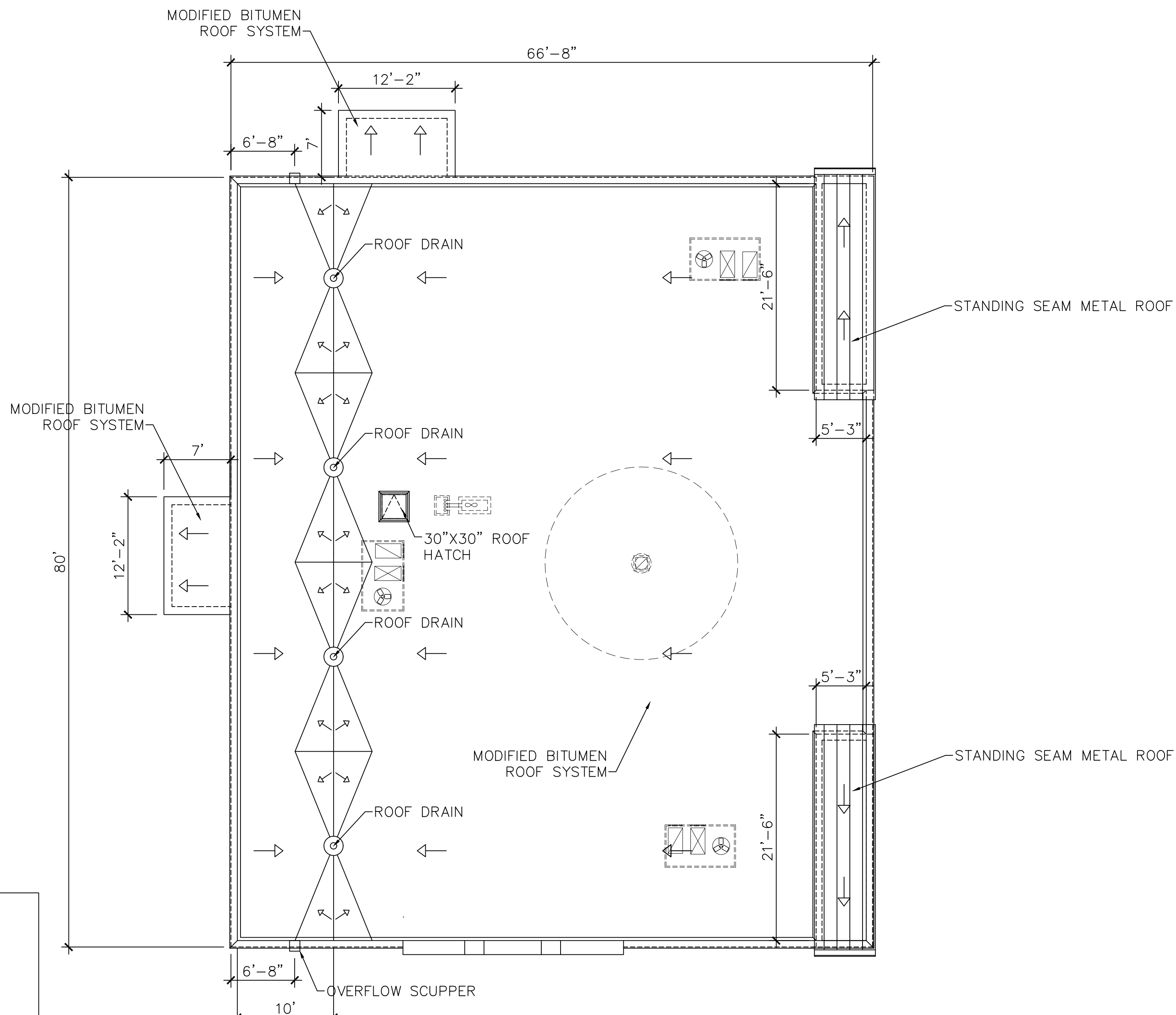
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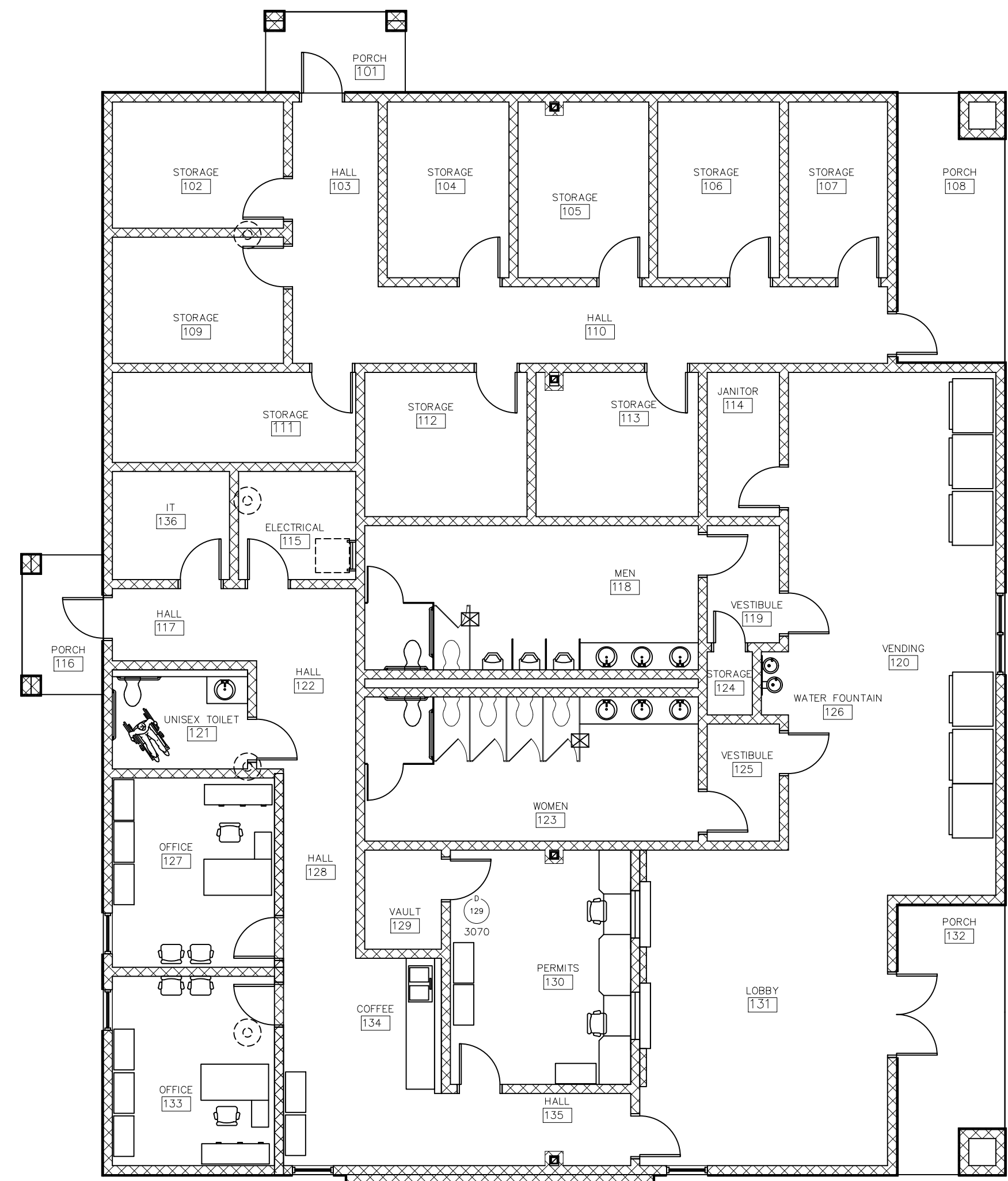


1 REFLECTED CEILING FLOOR PLAN
1/8"=1'-0"

- KEY NOTES:
1. EXTEND CMU WALL TO BOTTOM OF ROOF DECK
 2. 8" HIGH CMU WALL WITH STEEL MESH BETWEEN TOP OF CMU AND BOTTOM OF ROOF DECK
 3. PROVIDE 8" TYPE "X" GYP. BOARD ON 3/8" METAL STUDS @ 16" O.C. ABOVE CMU TO BOTTOM OF DECK TO CLOSE OFF ABOVE S.A.C. - PRIVACY AT WOMEN'S TOILET



1 ROOF PLAN
1/8"=1'-0"



1 FURNISHINGS FLOOR PLAN
1/8"=1'-0"

ROOM FINISH SCHEDULE

RM #101 PORCH FLOORING: EXPOSED CONCRETE B-B-BOARD: NONE WALL TEX: EFS N WALL: PTD. CMU E WALL: EFS S WALL: EFS W WALL: EFS CEILING: PAINTED PLYWOOD REMARKS: NONE	RM #102 STORAGE FLOORING: SEALED CONCRETE B-B-BOARD: VINYL WALL TEX: PTD. CMU N WALL: PTD. CMU E WALL: PTD. CMU S WALL: PTD. CMU W WALL: PTD. CMU CEILING: PAINTED STEEL REMARKS: PAINTED STEEL CAGE	RM #103 HALL FLOORING: SEALED CONCRETE B-B-BOARD: VINYL WALL TEX: PTD. CMU N WALL: PTD. CMU E WALL: PTD. CMU S WALL: PTD. CMU W WALL: PTD. CMU CEILING: PAINTED STEEL REMARKS: PAINTED STEEL CAGE	RM #104 STORAGE FLOORING: SEALED CONCRETE B-B-BOARD: VINYL WALL TEX: PTD. CMU N WALL: PTD. CMU E WALL: PTD. CMU S WALL: PTD. CMU W WALL: PTD. CMU CEILING: PAINTED STEEL REMARKS: PAINTED STEEL CAGE	RM #105 STORAGE FLOORING: SEALED CONCRETE B-B-BOARD: VINYL WALL TEX: PTD. CMU N WALL: PTD. CMU E WALL: PTD. CMU S WALL: PTD. CMU W WALL: PTD. CMU CEILING: PAINTED STEEL REMARKS: PAINTED STEEL CAGE	RM #106 STORAGE FLOORING: SEALED CONCRETE B-B-BOARD: VINYL WALL TEX: PTD. CMU N WALL: PTD. CMU E WALL: PTD. CMU S WALL: PTD. CMU W WALL: PTD. CMU CEILING: PAINTED STEEL REMARKS: PAINTED STEEL CAGE	RM #107 STORAGE FLOORING: SEALED CONCRETE B-B-BOARD: VINYL WALL TEX: PTD. CMU N WALL: PTD. CMU E WALL: PTD. CMU S WALL: PTD. CMU W WALL: PTD. CMU CEILING: PAINTED STEEL REMARKS: PAINTED STEEL CAGE	RM #108 PORCH FLOORING: EXPOSED CONCRETE B-B-BOARD: NONE WALL TEX: EFS N WALL: EFS E WALL: EFS S WALL: EFS W WALL: EFS CEILING: SUSPENDED PLASTER REMARKS: NONE	RM #109 STORAGE FLOORING: SEALED CONCRETE B-B-BOARD: VINYL WALL TEX: PTD. CMU N WALL: PTD. CMU E WALL: PTD. CMU S WALL: PTD. CMU W WALL: PTD. CMU CEILING: PAINTED STEEL REMARKS: PAINTED STEEL CAGE	
RM #110 HALL FLOORING: SEALED CONCRETE B-B-BOARD: VINYL WALL TEX: PTD. CMU N WALL: PTD. CMU E WALL: PTD. CMU S WALL: PTD. CMU W WALL: PTD. CMU CEILING: PAINTED STEEL REMARKS: PAINTED STEEL CAGE	RM #111 STORAGE FLOORING: SEALED CONCRETE B-B-BOARD: VINYL WALL TEX: PTD. CMU N WALL: PTD. CMU E WALL: PTD. CMU S WALL: PTD. CMU W WALL: PTD. CMU CEILING: PAINTED STEEL REMARKS: PAINTED STEEL CAGE	RM #112 STORAGE FLOORING: SEALED CONCRETE B-B-BOARD: VINYL WALL TEX: PTD. CMU N WALL: PTD. CMU E WALL: PTD. CMU S WALL: PTD. CMU W WALL: PTD. CMU CEILING: PAINTED STEEL REMARKS: PAINTED STEEL CAGE	RM #113 STORAGE FLOORING: SEALED CONCRETE B-B-BOARD: VINYL WALL TEX: PTD. CMU N WALL: PTD. CMU E WALL: PTD. CMU S WALL: PTD. CMU W WALL: PTD. CMU CEILING: PAINTED STEEL REMARKS: PAINTED STEEL CAGE	RM #114 JANITOR FLOORING: V.C.T. B-B-BOARD: VINYL WALL TEX: PTD. CMU /FRP N WALL: PTD. CMU/FRP E WALL: PTD. CMU/FRP S WALL: PTD. CMU/FRP W WALL: PTD. CMU/FRP CEILING: 9' HIGH S.A.C. REMARKS: 48" HIGH FRP PANELS	RM #115 ELECTRICAL FLOORING: V.C.T. B-B-BOARD: VINYL WALL TEX: PTD. CMU N WALL: PTD. CMU E WALL: PTD. CMU S WALL: PTD. CMU W WALL: PTD. CMU CEILING: 9' HIGH S.A.C. REMARKS: PAINTED GYP. AT LADDER	RM #116 PORCH FLOORING: EXPOSED CONCRETE B-B-BOARD: NONE WALL TEX: EFS N WALL: EFS E WALL: EFS S WALL: EFS W WALL: EFS CEILING: PAINTED PLYWOOD REMARKS: NONE	RM #117 HALL FLOORING: V.C.T. B-B-BOARD: VINYL WALL TEX: PTD. CMU N WALL: PTD. CMU E WALL: PTD. CMU S WALL: PTD. CMU W WALL: PTD. CMU CEILING: 9' HIGH S.A.C. REMARKS: NONE	RM #118 MEN FLOORING: CERAMIC TILE B-B-BOARD: VINYL WALL TEX: C.T./PTD. CMU N WALL: C.T./PTD. CMU E WALL: C.T./PTD. CMU S WALL: C.T./PTD. CMU W WALL: C.T./PTD. CMU CEILING: 7' HIGH C.T. WAINSCOT REMARKS: NONE	
RM #119 VESTIBULE FLOORING: CERAMIC TILE B-B-BOARD: CERAMIC TILE WALL TEX: C.T./PTD. CMU N WALL: C.T./PTD. CMU E WALL: C.T./PTD. CMU S WALL: C.T./PTD. CMU W WALL: C.T./PTD. CMU CEILING: 7' HIGH C.T. WAINSCOT REMARKS: NONE	RM #120 VENDING FLOORING: SEALED CONCRETE B-B-BOARD: VINYL WALL TEX: PTD. CMU /FRP N WALL: PTD. CMU/FRP E WALL: PTD. CMU/FRP S WALL: PTD. CMU/FRP W WALL: PTD. CMU/FRP CEILING: 9' HIGH S.A.C. REMARKS: NONE	RM #121 UNISEX TOILET FLOORING: SEALED CONCRETE B-B-BOARD: VINYL WALL TEX: PTD. CMU /FRP N WALL: FRP E WALL: PTD. CMU S WALL: PTD. CMU W WALL: PTD. CMU CEILING: 9' HIGH S.A.C. REMARKS: NONE	RM #122 HALL FLOORING: V.C.T. B-B-BOARD: VINYL WALL TEX: PTD. CMU N WALL: PTD. CMU E WALL: PTD. CMU S WALL: OPEN W WALL: PTD. CMU CEILING: 9' HIGH S.A.C. REMARKS: NONE	RM #123 WOMEN FLOORING: CERAMIC TILE B-B-BOARD: CERAMIC TILE WALL TEX: C.T./PTD. CMU N WALL: PTD. CMU E WALL: C.T./PTD. CMU S WALL: C.T./PTD. CMU W WALL: C.T./PTD. CMU CEILING: 7' HIGH C.T. WAINSCOT REMARKS: NONE	RM #124 STORAGE FLOORING: V.C.T. B-B-BOARD: VINYL WALL TEX: PTD. CMU N WALL: PTD. CMU E WALL: PTD. CMU S WALL: PTD. CMU W WALL: PTD. CMU CEILING: 9' HIGH S.A.C. REMARKS: NONE	RM #125 VESTIBULE FLOORING: CERAMIC TILE B-B-BOARD: CERAMIC TILE WALL TEX: C.T./PTD. CMU N WALL: C.T./PTD. CMU E WALL: C.T./PTD. CMU S WALL: C.T./PTD. CMU W WALL: C.T./PTD. CMU CEILING: 7' HIGH C.T. WAINSCOT REMARKS: NONE	RM #126 WATER FOUNTAIN FLOORING: CERAMIC TILE B-B-BOARD: CERAMIC TILE WALL TEX: C.T./PTD. CMU N WALL: C.T./PTD. CMU E WALL: OPEN S WALL: C.T./PTD. CMU W WALL: C.T./PTD. CMU CEILING: 7' HIGH C.T. WAINSCOT REMARKS: NONE	RM #127 OFFICE FLOORING: V.C.T. B-B-BOARD: VINYL WALL TEX: PTD. CMU N WALL: PTD. CMU E WALL: PTD. CMU S WALL: PTD. CMU W WALL: PTD. CMU CEILING: 9' HIGH S.A.C. REMARKS: NONE	
RM #128 HALL FLOORING: V.C.T. B-B-BOARD: VINYL WALL TEX: PTD. CMU N WALL: PTD. CMU E WALL: PTD. CMU S WALL: PTD. CMU W WALL: PTD. CMU CEILING: 9' HIGH S.A.C. REMARKS: NONE	RM #128 HALL FLOORING: V.C.T. B-B-BOARD: VINYL WALL TEX: PTD. CMU N WALL: OPEN E WALL: PTD. CMU S WALL: OPEN W WALL: PTD. CMU CEILING: 9' HIGH S.A.C. REMARKS: NONE	RM #129 VAULT FLOORING: V.C.T. B-B-BOARD: VINYL WALL TEX: PTD. CMU N WALL: PTD. CMU E WALL: PTD. CMU S WALL: PTD. CMU W WALL: PTD. CMU CEILING: 9' HIGH S.A.C. REMARKS: NONE	RM #130 PERMITS FLOORING: V.C.T. B-B-BOARD: VINYL WALL TEX: PTD. CMU N WALL: PTD. CMU E WALL: PTD. CMU S WALL: PTD. CMU W WALL: PTD. CMU CEILING: 9' HIGH S.A.C. REMARKS: NONE	RM #131 LOBBY FLOORING: V.C.T. B-B-BOARD: VINYL WALL TEX: PTD. CMU N WALL: PTD. CMU E WALL: PTD. CMU S WALL: PTD. CMU W WALL: PTD. CMU CEILING: 9' HIGH S.A.C. REMARKS: NONE	RM #132 PORCH FLOORING: EXPOSED CONCRETE B-B-BOARD: NONE WALL TEX: EFS N WALL: EFS E WALL: EFS S WALL: EFS W WALL: EFS CEILING: SUSPENDED PLASTER REMARKS: NONE	RM #133 OFFICE FLOORING: V.C.T. B-B-BOARD: VINYL WALL TEX: PTD. CMU N WALL: PTD. CMU E WALL: PTD. CMU S WALL: PTD. CMU W WALL: PTD. CMU CEILING: 9' HIGH S.A.C. REMARKS: NONE	RM #134 COFFEE FLOORING: V.C.T. B-B-BOARD: VINYL WALL TEX: PTD. CMU N WALL: PTD. CMU E WALL: FRP S WALL: PTD. CMU W WALL: PTD. CMU CEILING: 9' HIGH S.A.C. REMARKS: NONE	RM #135 HALL FLOORING: V.C.T. B-B-BOARD: VINYL WALL TEX: PTD. CMU N WALL: PTD. CMU E WALL: PTD. CMU S WALL: PTD. CMU W WALL: PTD. CMU CEILING: 9' HIGH S.A.C. REMARKS: NONE	RM #136 IT FLOORING: V.C.T. B-B-BOARD: VINYL WALL TEX: PTD. CMU N WALL: PTD. CMU E WALL: PTD. CMU S WALL: PTD. CMU W WALL: PTD. CMU CEILING: 9' HIGH S.A.C. REMARKS: NONE

SHEET NO. PRA2

OF SET NUMBER

REVISED:

DATE: 9/30/16

DRAWN BY: JER

PROJECT NO.:

REGISTERED ARCHITECT
ROBERTO J. RUIZ
STATE OF TEXAS
12148

9/30/16
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ROBERTO J. RUIZ
ARCHITECT, INC.

615 W. TANDY ROAD
BROWNSVILLE, TEXAS 77820
(956) 350-9195 OFFICE
(956) 350-9196 FAX
ARCHRUIZ@AOL.COM

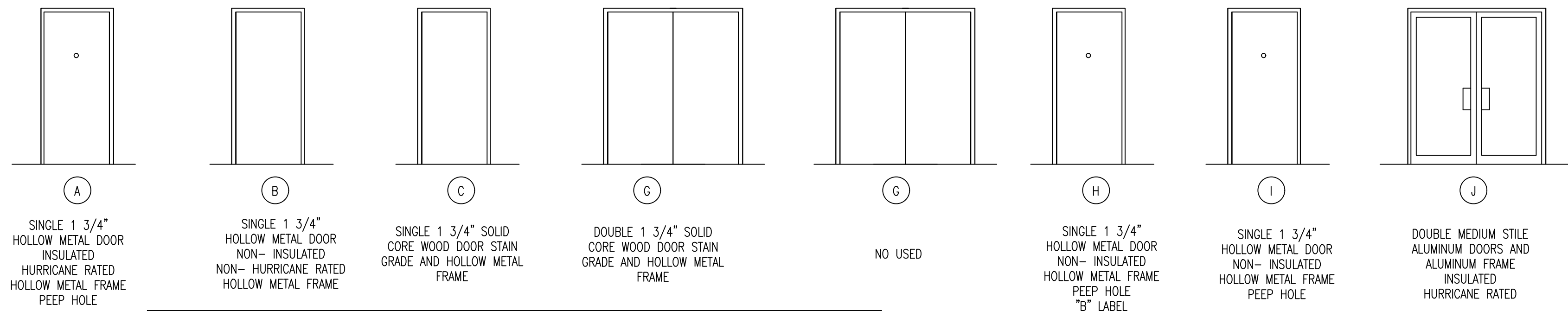
PROJECT: ADMINISTRATION COMPLEX
PERMIT / RECORDS BUILDING

OWNER: BROWNSVILLE NAVIGATION DISTRICT
PORT OF BROWNSVILLE
BROWNSVILLE, TEXAS

SHEET TITLE:
REFLECTED CEILING FLOOR PLAN - ROOF PLAN -
FURNISHINGS FLOOR PLAN - ROOM FINISH
SCHEDULES

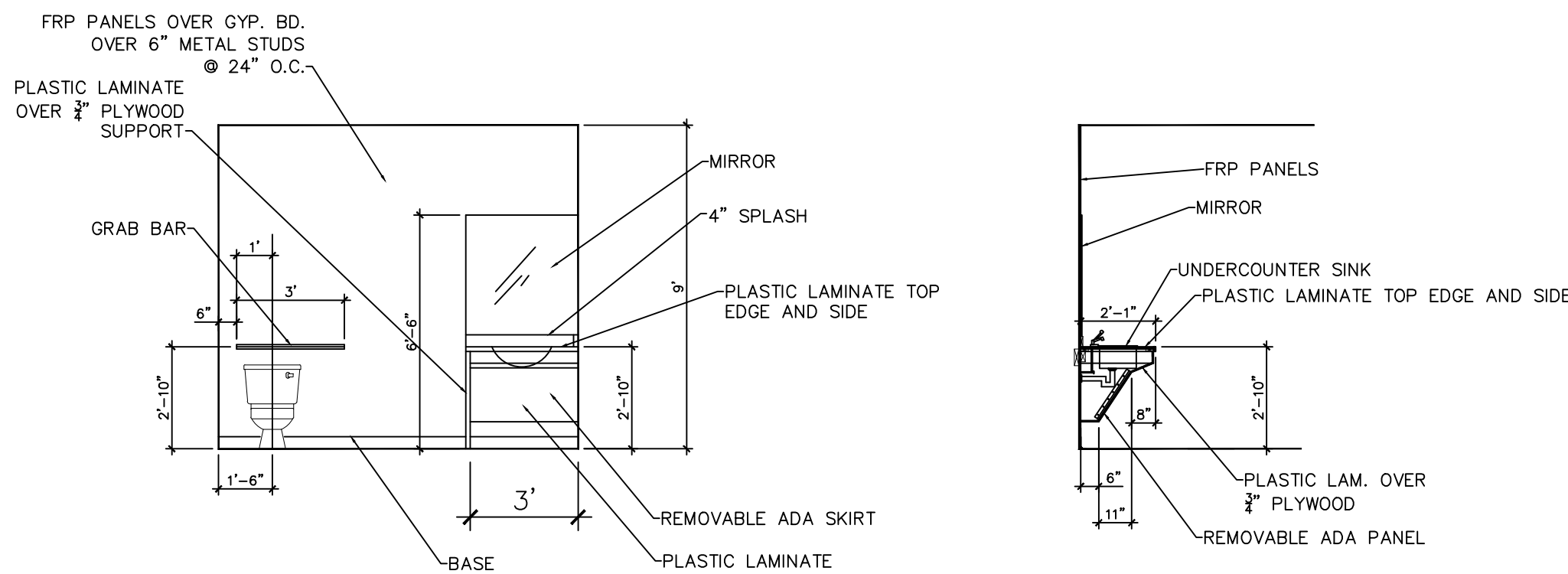
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PERMIT / RECORDS BUILDING

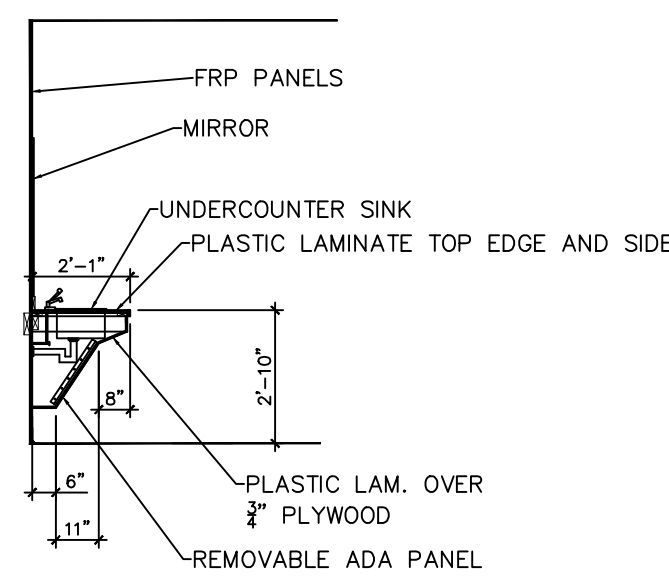


DOOR TYPES BUILDING

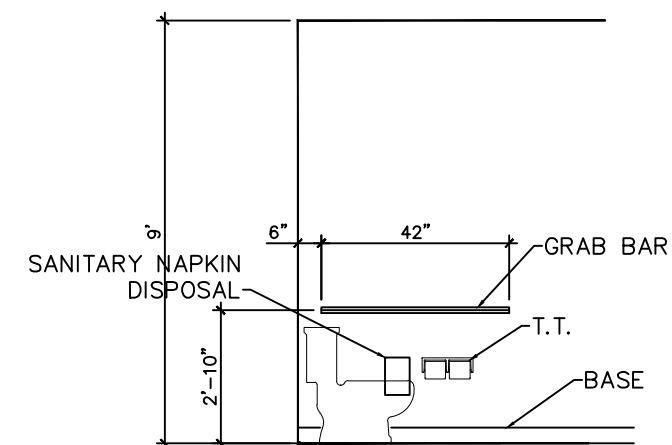
DOOR AND FRAME SCHEDULE - BUILDING "A"																			
DOOR										FRAME				FIRE RATING LABEL		HARDWARE		NOTES	
MARK	TYPE	SIZE			MATL	GLAZING	LOUVER		MATL	EL	DETAIL								
		WD	HGT	THK			WD	HGT			HEAD	JAMB	SILL						
101	A	3'-0"	7'-0"	1 3/4"	H.M.	NONE	NONE	NONE	H.M.	A	---	---	---	NONE	---	---	INSULATED - HURRICANE RATED		
102	B	3'-0"	7'-0"	1 3/4"	H.M.	NONE	NONE	NONE	H.M.	B	---	---	---	NONE	---	---			
104	B	3'-0"	7'-0"	1 3/4"	H.M.	NONE	NONE	NONE	H.M.	B	---	---	---	NONE	---	---			
105	B	3'-0"	7'-0"	1 3/4"	H.M.	NONE	NONE	NONE	H.M.	B	---	---	---	NONE	---	---			
106	B	3'-0"	7'-0"	1 3/4"	H.M.	NONE	NONE	NONE	H.M.	B	---	---	---	NONE	---	---			
107	B	3'-0"	7'-0"	1 3/4"	H.M.	NONE	NONE	NONE	H.M.	B	---	---	---	NONE	---	---			
108	A	3'-0"	7'-0"	1 3/4"	H.M.	NONE	NONE	NONE	H.M.	A	---	---	---	NONE	---	---	INSULATED - HURRICANE RATED		
109	B	3'-0"	7'-0"	1 3/4"	H.M.	NONE	NONE	NONE	H.M.	B	---	---	---	NONE	---	---			
111	B	3'-0"	7'-0"	1 3/4"	H.M.	NONE	NONE	NONE	H.M.	B	---	---	---	NONE	---	---			
112	B	3'-0"	7'-0"	1 3/4"	H.M.	NONE	NONE	NONE	H.M.	B	---	---	---	NONE	---	---			
113	B	3'-0"	7'-0"	1 3/4"	H.M.	NONE	NONE	NONE	H.M.	B	---	---	---	NONE	---	---			
114	C	3'-0"	7'-0"	1 3/4"	S.C.W.D.	NONE	NONE	NONE	H.M.	C	---	---	---	NONE	---	---			
115	C	3'-0"	7'-0"	1 3/4"	S.C.W.D.	NONE	NONE	NONE	H.M.	C	---	---	---	NONE	---	---			
116	A	3'-0"	7'-0"	1 3/4"	H.M.	NONE	NONE	NONE	H.M.	A	---	---	---	NONE	---	---	INSULATED - HURRICANE RATED		
118	C	3'-0"	7'-0"	1 3/4"	S.C.W.D.	NONE	NONE	NONE	H.M.	C	---	---	---	NONE	---	---			
119	C	3'-0"	7'-0"	1 3/4"	S.C.W.D.	NONE	NONE	NONE	H.M.	C	---	---	---	NONE	---	---			
121	C	3'-0"	7'-0"	1 3/4"	S.C.W.D.	NONE	NONE	NONE	H.M.	C	---	---	---	NONE	---	---			
123	C	3'-0"	7'-0"	1 3/4"	S.C.W.D.	NONE	NONE	NONE	H.M.	C	---	---	---	NONE	---	---			
124	C	2'-4"	7'-0"	1 3/4"	S.C.W.D.	NONE	NONE	NONE	H.M.	C	---	---	---	NONE	---	---			
125	C	3'-0"	7'-0"	1 3/4"	S.C.W.D.	NONE	NONE	NONE	H.M.	C	---	---	---	NONE	---	---			
127	C	3'-0"	7'-0"	1 3/4"	S.C.W.D.	NONE	NONE	NONE	H.M.	C	---	---	---	NONE	---	---			
129	H	3'-0"	7'-0"	1 3/4"	H.M.	NONE	NONE	NONE	H.M.	H	---	---	---	90 MIN.	---	---			
130	I	3'-0"	7'-0"	1 3/4"	H.H.	NONE	NONE	NONE	H.M.	I	---	---	---	NONE	---	---			
132	J	2'-3'-0"	7'-0"	1 3/4"	ALUM.	YES	NONE	NONE	ALUM.	J	---	---	---	NONE	---	---	LIGHT GREEN TINT GLASS - INSULATED - HURRICANE RATED		
133	C	3'-0"	7'-0"	1 3/4"	S.C.W.D.	NONE	NONE	NONE	H.M.	C	---	---	---	NONE	---	---			
135	I	3'-0"	7'-0"	1 3/4"	H.M.	NONE	NONE	NONE	H.M.	I	---	---	---	NONE	---	---			
136	C	3'-0"	7'-0"	1 3/4"	S.C.W.D.	NONE	NONE	NONE	H.M.	C	---	---	---	NONE	---	---			



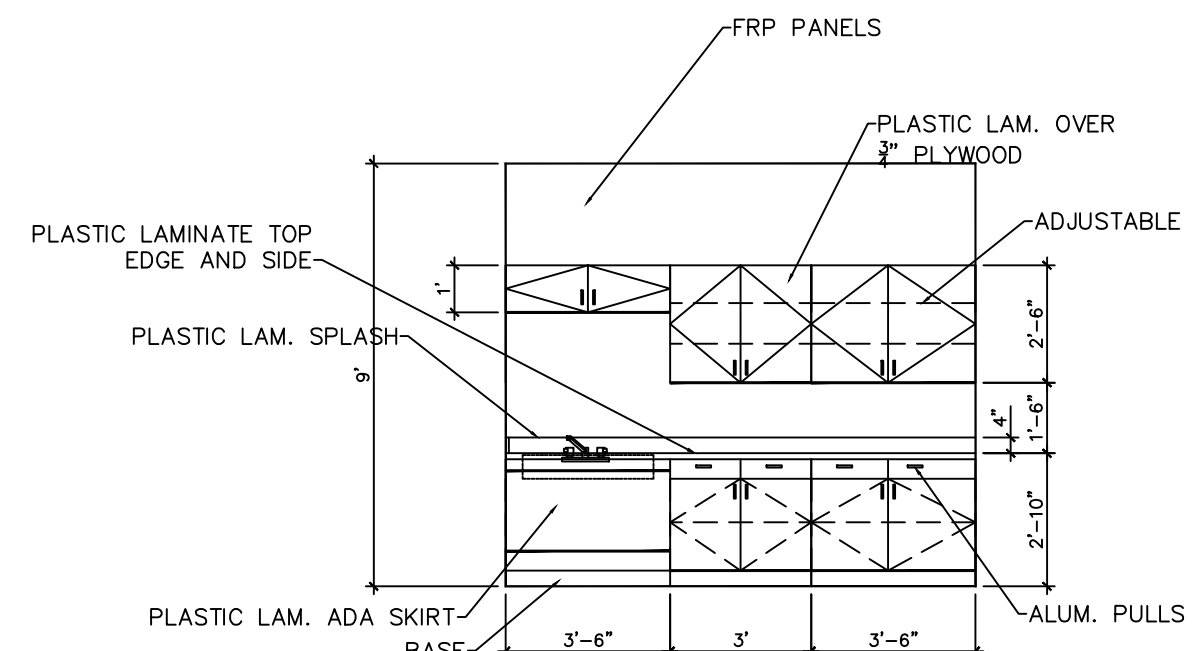
1 ELEVATION
1/4"=1'-0"



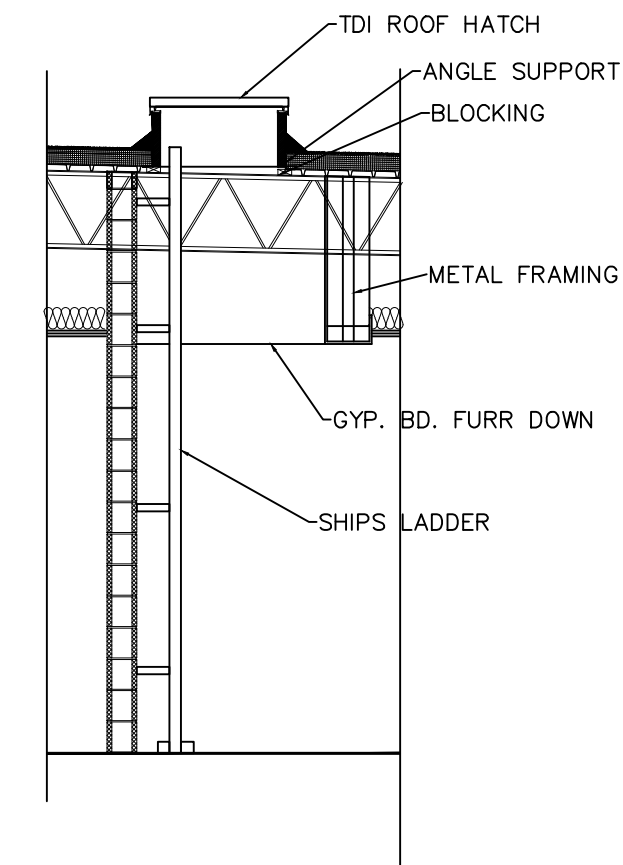
2 ELEVATION
1/4"=1'-0"



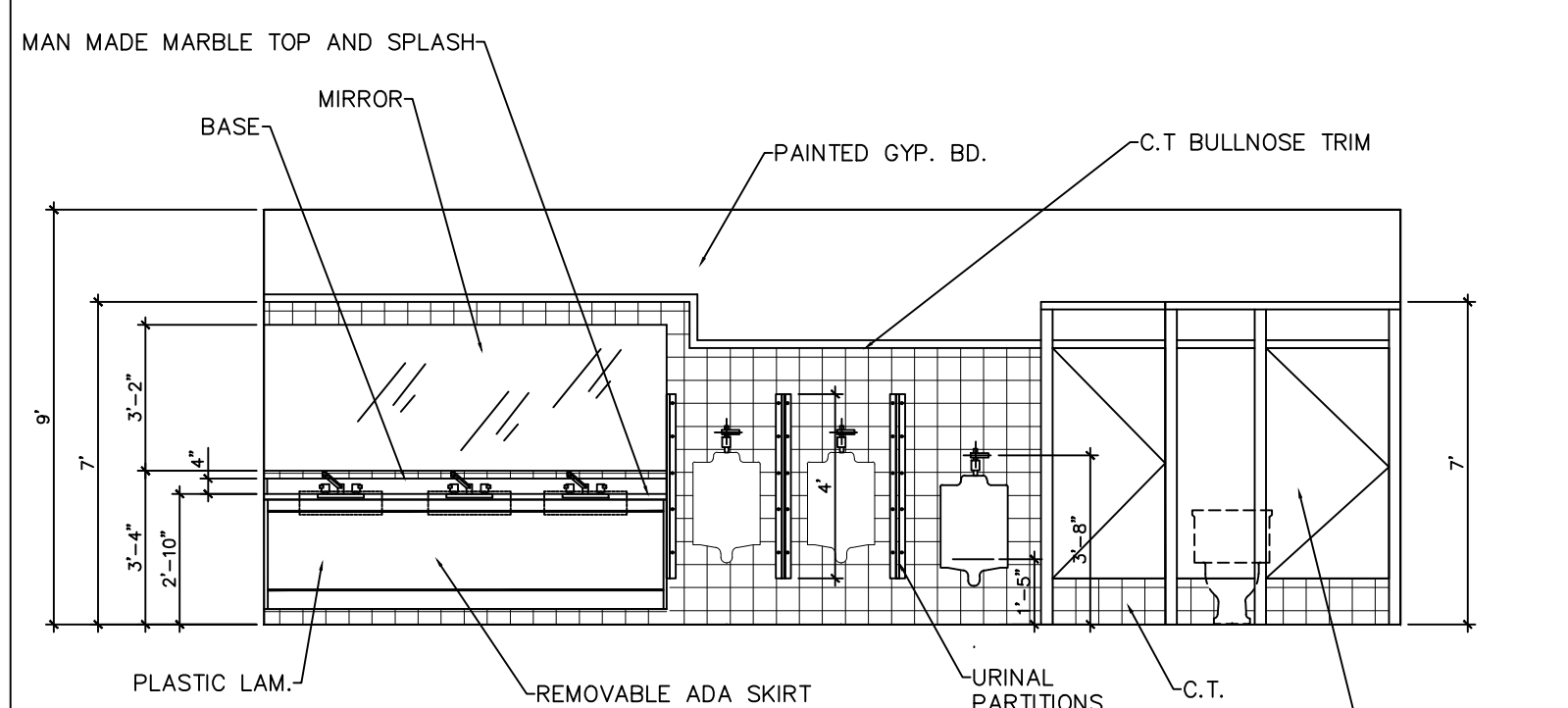
3 ELEVATION
1/4"=1'-0"



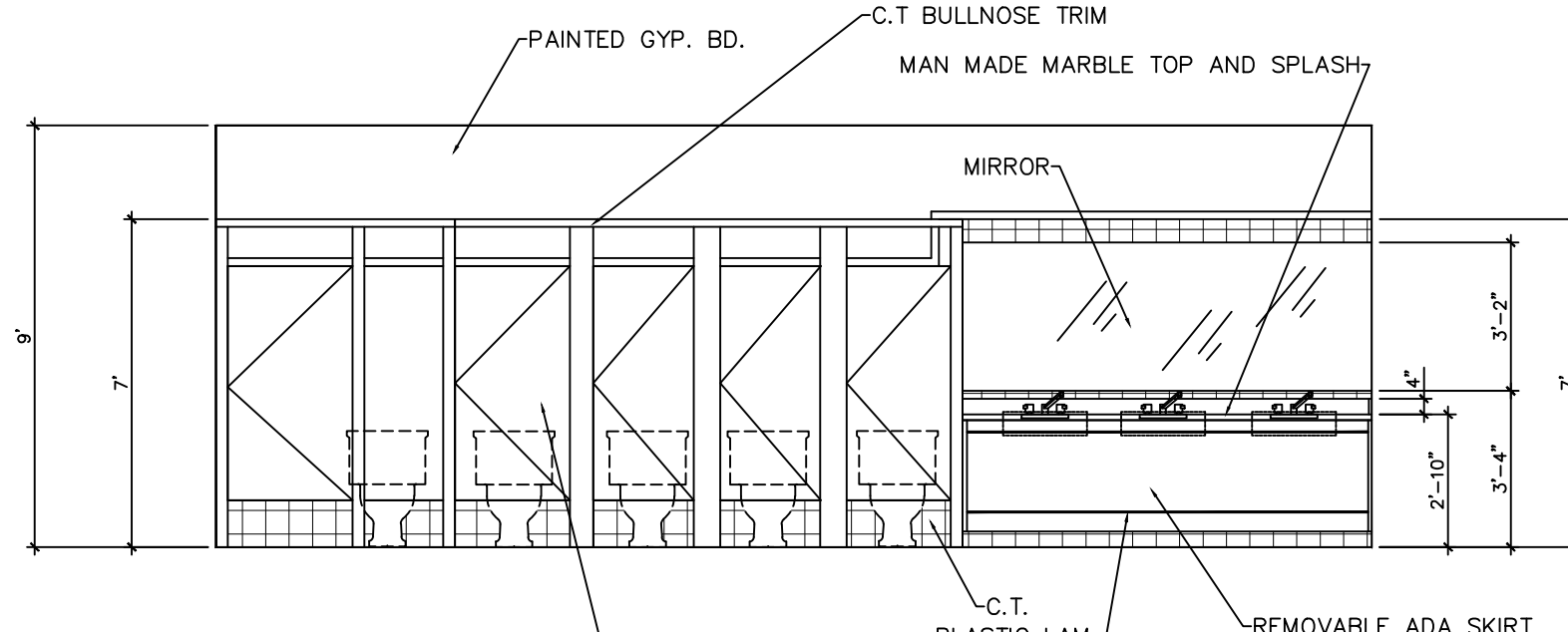
4 ELEVATION
1/4"=1'-0"



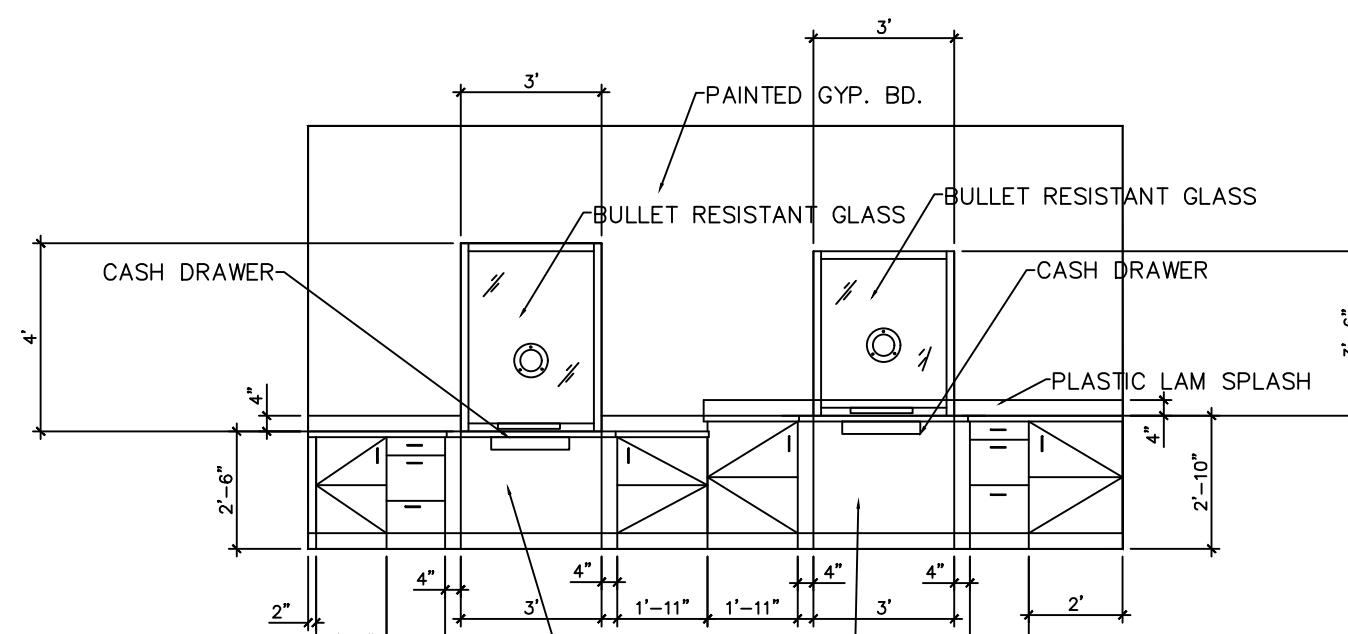
5 ELEVATION
1/4"=1'-0"



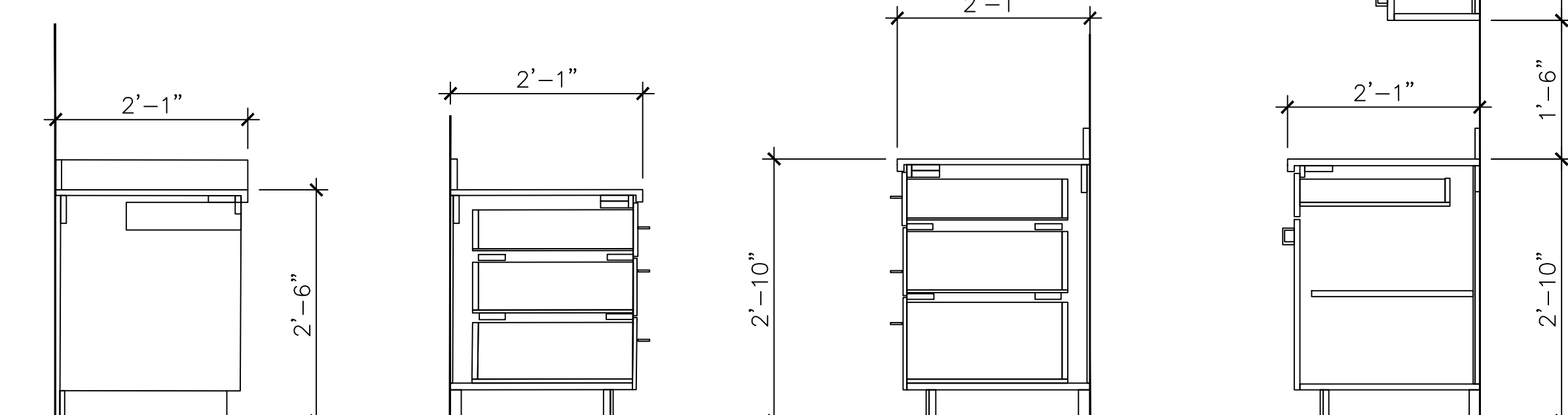
6 ELEVATION
1/4"=1'-0"



7 ELEVATION
1/4"=1'-0"



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



9 CABINET SECTIONS
3/4"=1'-0"

WINDOW TYPES BUILDING

1
FIXED HURRICANE RATED
ALUMINUM WINDOW FRAME
SYSTEM, MILL FINISH
ANODIZED, INSULATED, LOW
E, GREEN TINT GLASS
W/ ALUM. SUB SILL

2
FIXED HURRICANE RATED
ALUMINUM WINDOW FRAME
SYSTEM, MILL FINISH
ANODIZED, INSULATED, LOW
E, GREEN TINT GLASS
W/ ALUM. SUB SILL

3
FIXED
LEVEL 3
ANODIZED ALUMINUM
MGR. WINDOW SILL BLACK
6" TALK THRU CIRCLE
ACRYLIC
S.S. TRAY
STANDARD HEIGHT

4
FIXED
LEVEL 3
ANODIZED ALUMINUM
MGR. WINDOW SILL BLACK
6" TALK THRU CIRCLE
ACRYLIC
S.S. TRAY
ADA HEIGHT

WINDOW SCHEDULE BUILDING PERMIT/RECORDS BUILDING

MARK	SIZE		TYPE	MATERIAL	NOTES
	WIDTH	HEIGHT			
120	6'-0"	3'-6"	1	ALUMINUM	HURRICANE RATED, INSUL, TINTED
127	3'-0"	3'-6"	2	ALUMINUM	HURRICANE RATED, INSUL, TINTED
130A	3'-0"	3'-6"	3	ALUMINUM	LEVEL 1 - BULLET RESISTANT FRP PANEL
130B	3'-0"	4'-0"	4	ALUMINUM	LEVEL 1 - BULLET RESISTANT FRP PANEL
131	3'-0"	3'-6"	2	ALUMINUM	HURRICANE RATED, INSUL, TINTED
133	3'-0"	3'-6"	2	ALUMINUM	HURRICANE RATED, INSUL, TINTED
134	3'-0"	3'-6"	2	ALUMINUM	HURRICANE RATED, INSUL, TINTED



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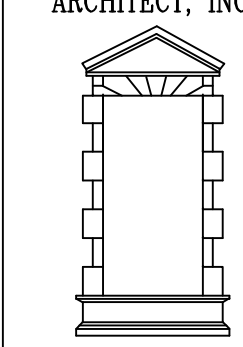
SHEET
NO. PRA3

OF
SET NUMBER

REVISED:

DATE: 9/30/16
DRAWN BY: JRR
PROJECT NO.:

ROBERTO J. RUIZ
ARCHITECT, INC.



615 W. TANDY ROAD
BROWNSVILLE, TEXAS 77801
(956) 350-9196 OFFICE
(956) 350-9196 FAX
ARCH@RUIZ.AOL.COM

BROWNSVILLE NAVIGATION DISTRICT
OF CAMERON COUNTY, TEXAS
PORT of BROWNSVILLE
• WORLD CLASS •

PROJECT: ADMINISTRATION COMPLEX
PERMIT / RECORDS BUILDING
OWNER: BROWNSVILLE NAVIGATION DISTRICT
PORT OF BROWNSVILLE
BROWNSVILLE, TEXAS

SHEET TITLE:
DOOR AND WINDOW SCHEDULES
DOOR AND WINDOW TYPES
INTERIOR ELEVATIONS AND DETAILS

PERMIT / RECORDS BUILDING

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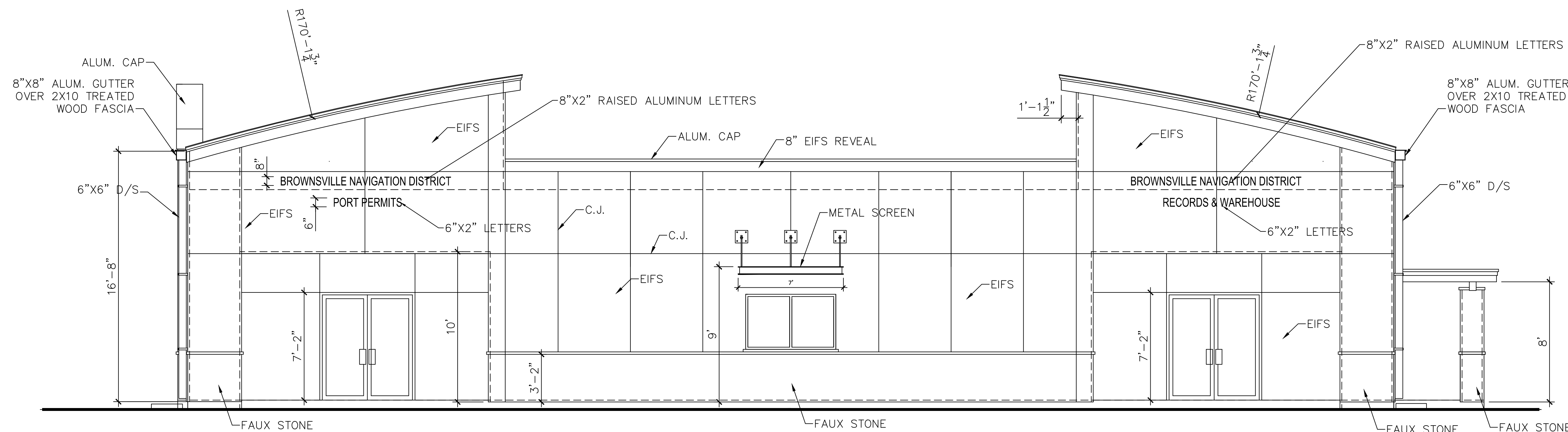
615 W TANDY ROAD
BROWNSVILLE, TEXAS 77820
(956) 350-9195 OFFICE
(956) 350-9196 FAX
ARCHRUIZ@AOL.COM

BROWNSVILLE NAVIGATION DISTRICT
OF CAMERON COUNTY, TEXAS
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• WORLD CLASS •

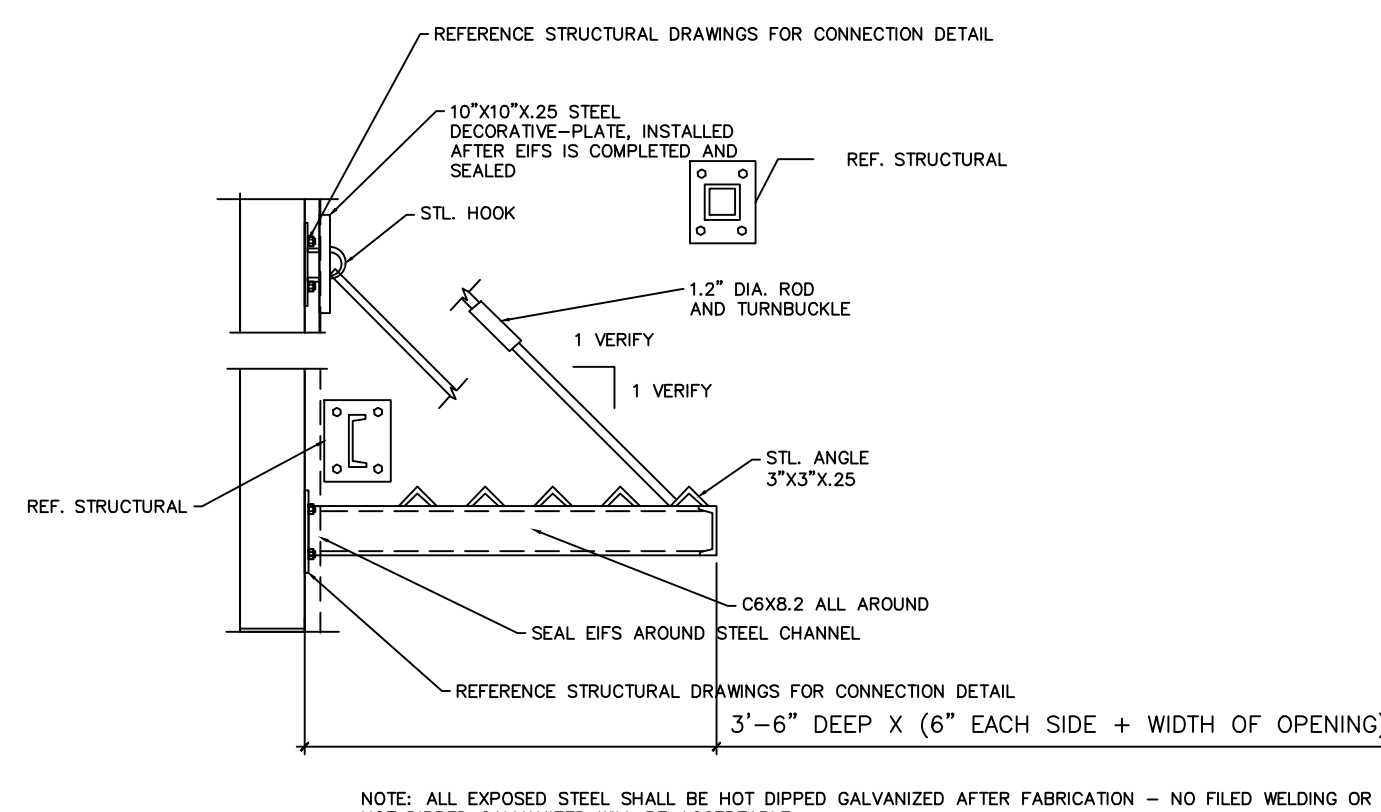
PROJECT: ADMINISTRATION COMPLEX
PERMIT / RECORDS BUILDING
OWNER: BROWNSVILLE NAVIGATION DISTRICT
PORT OF BROWNSVILLE
BROWNSVILLE, TEXAS

SHEET TITLE:
BUILDING ELEVATIONS AND DETAILS

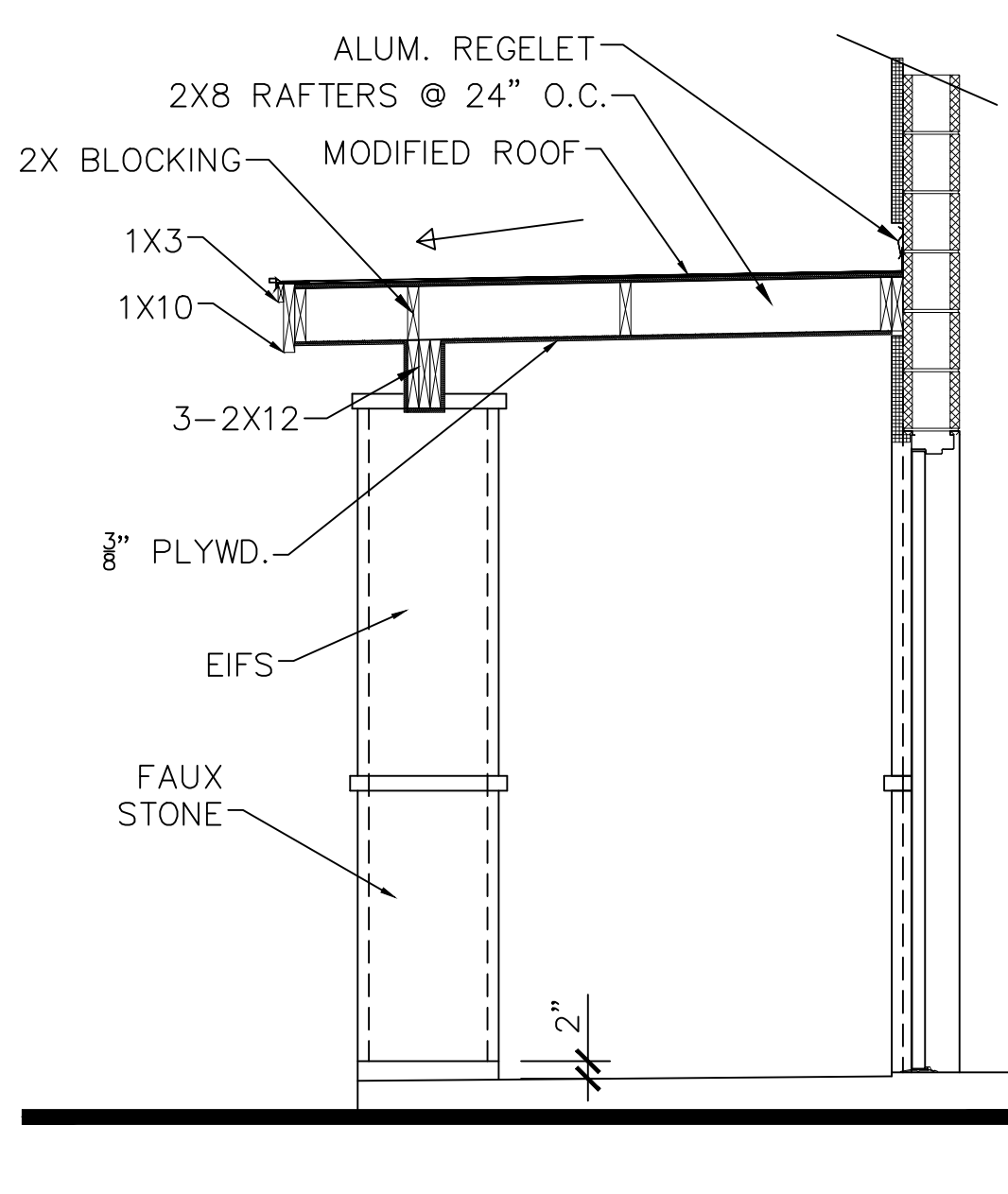
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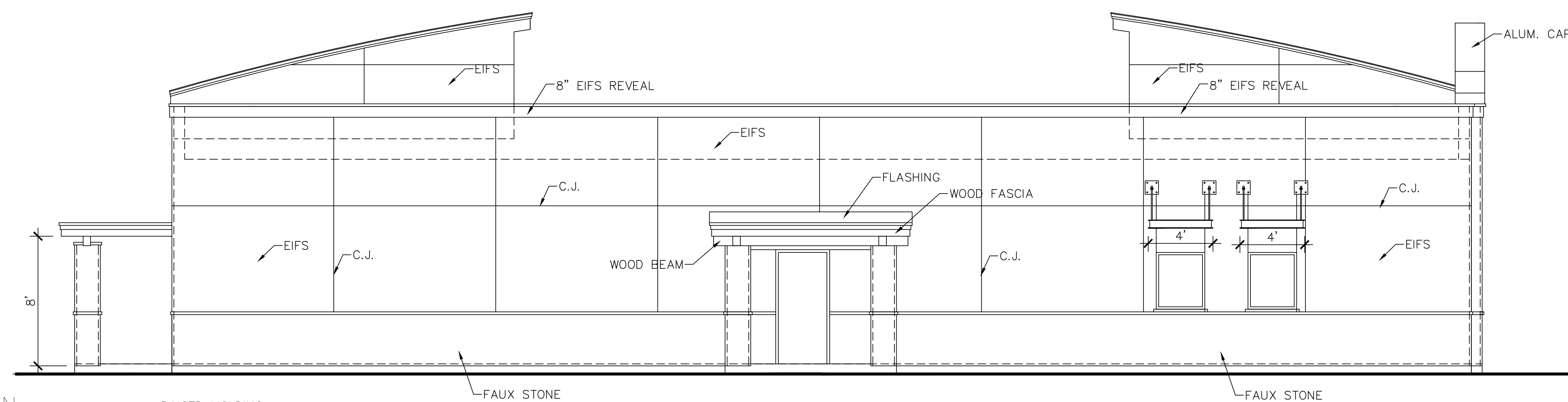
1 EAST ELEVATION
1/4"=1'-0"



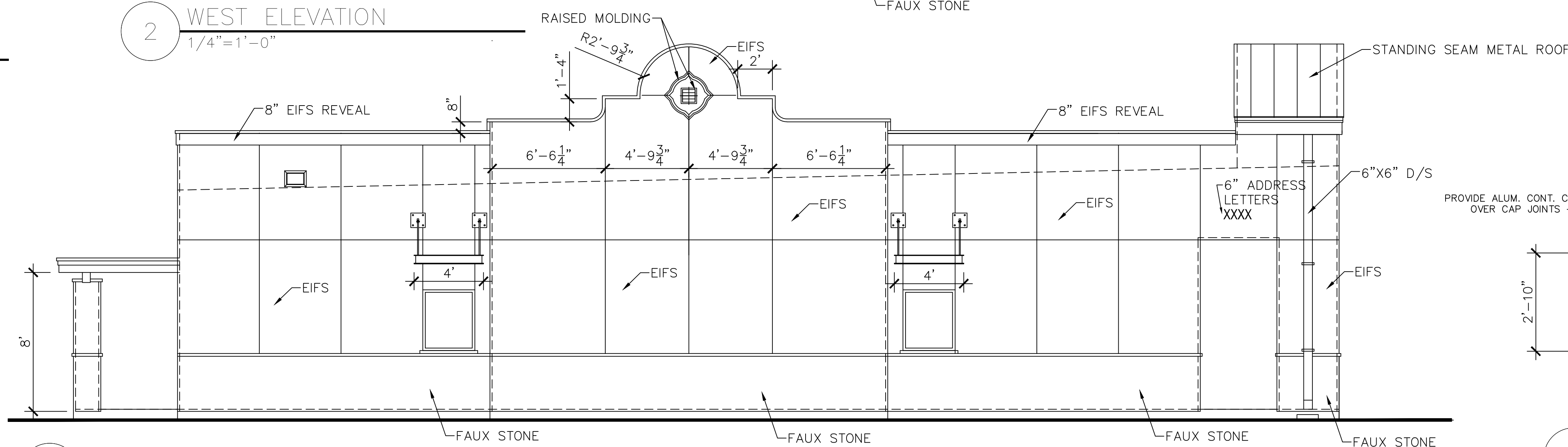
5 METAL SCREEN DETAILS
1/4"=1'-0"



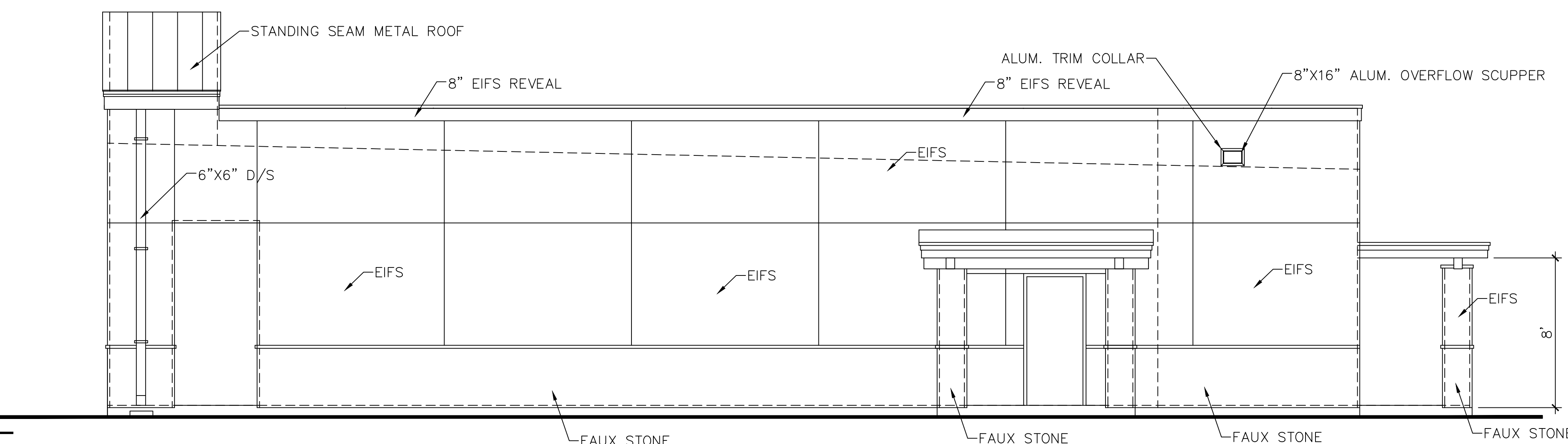
5 METAL SCREEN DETAILS
1/2"=1'-0"



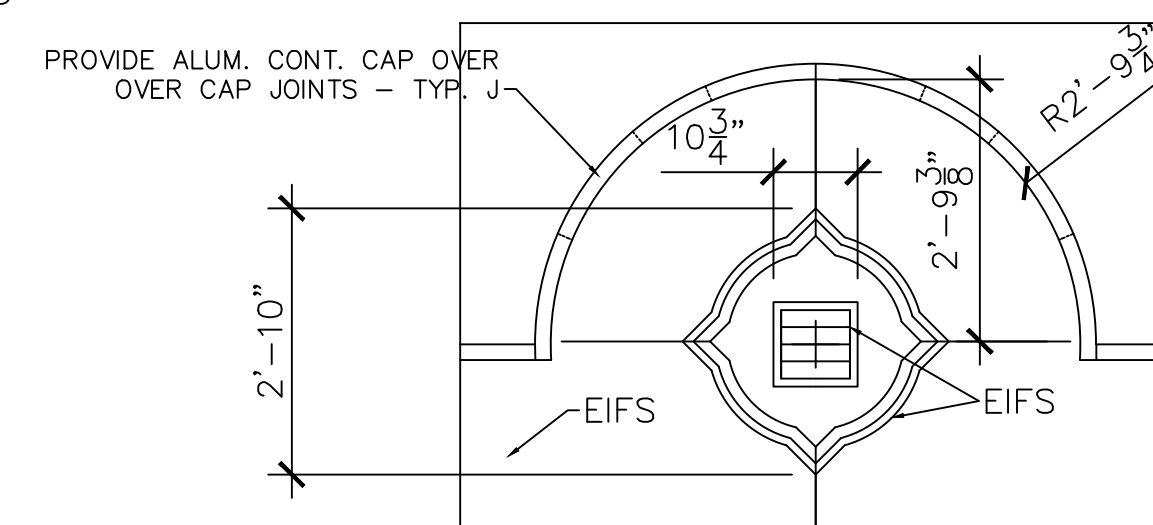
2 WEST ELEVATION
1/4"=1'-0"



3 SOUTH ELEVATION
1/4"=1'-0"



4 NORTH ELEVATION
1/4"=1'-0"



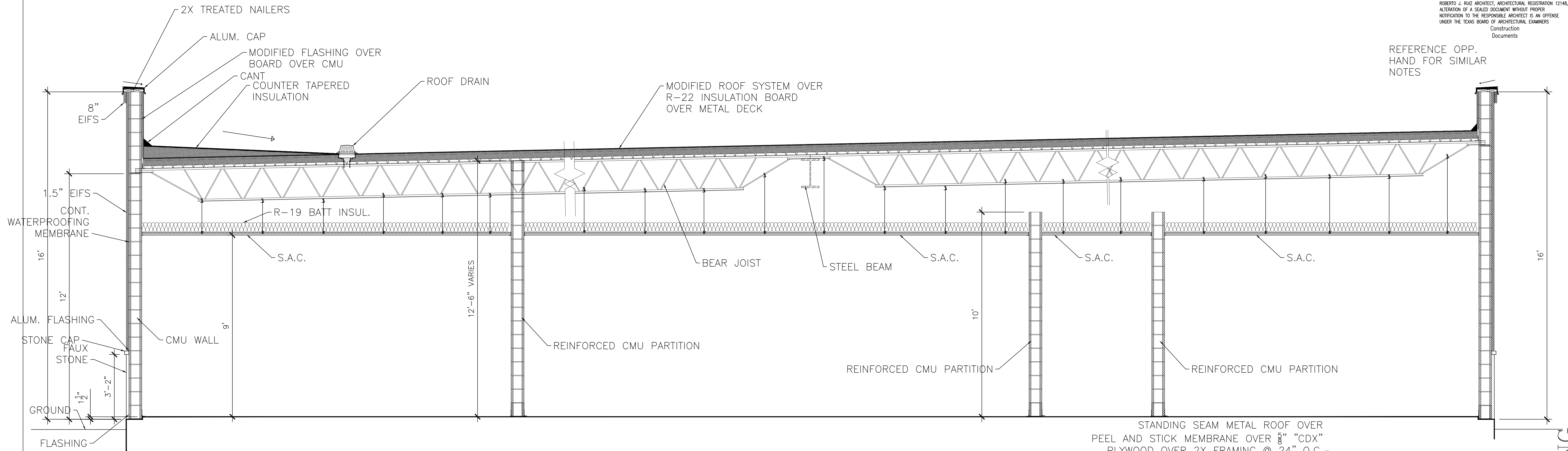
6 EIFS DETAIL
1/2"=1'-0"

PERMIT / RECORDS BUILDING

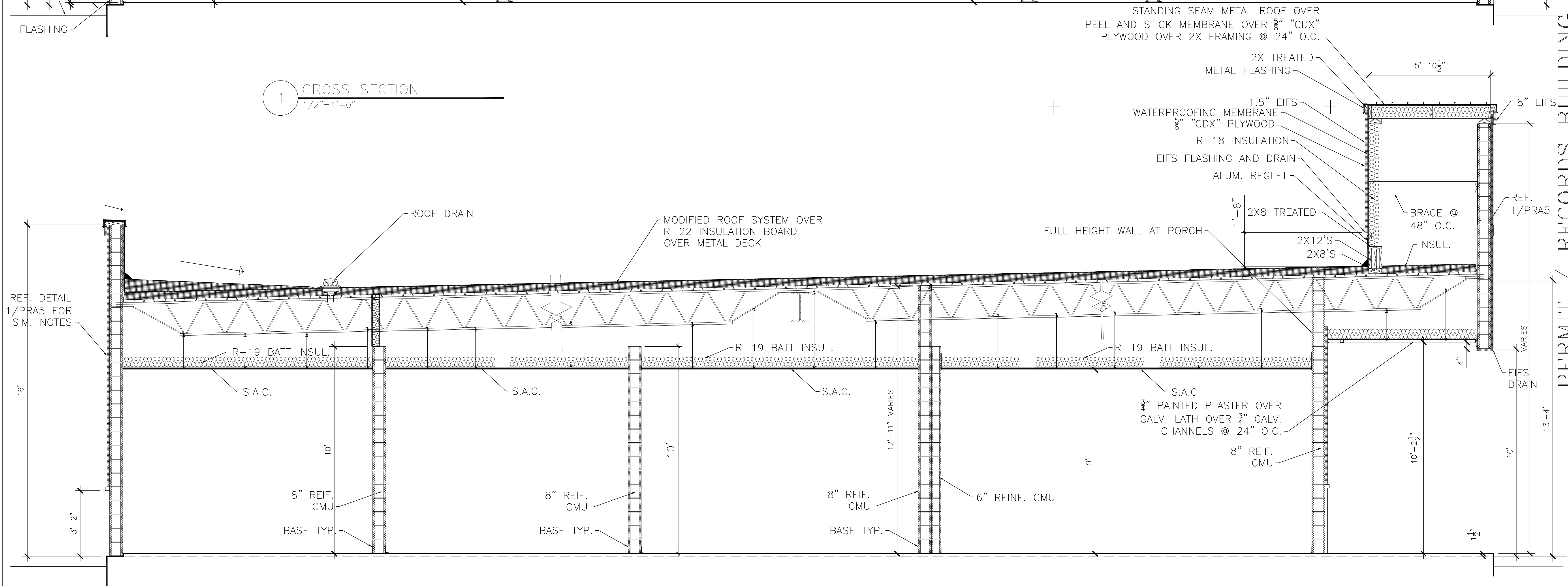


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REFERENCE OPP.
HAND FOR SIMILAR
NOTES



1 CROSS SECTION
1/2"=1'-0"



2 CROSS SECTION
1/2"=1'-0"

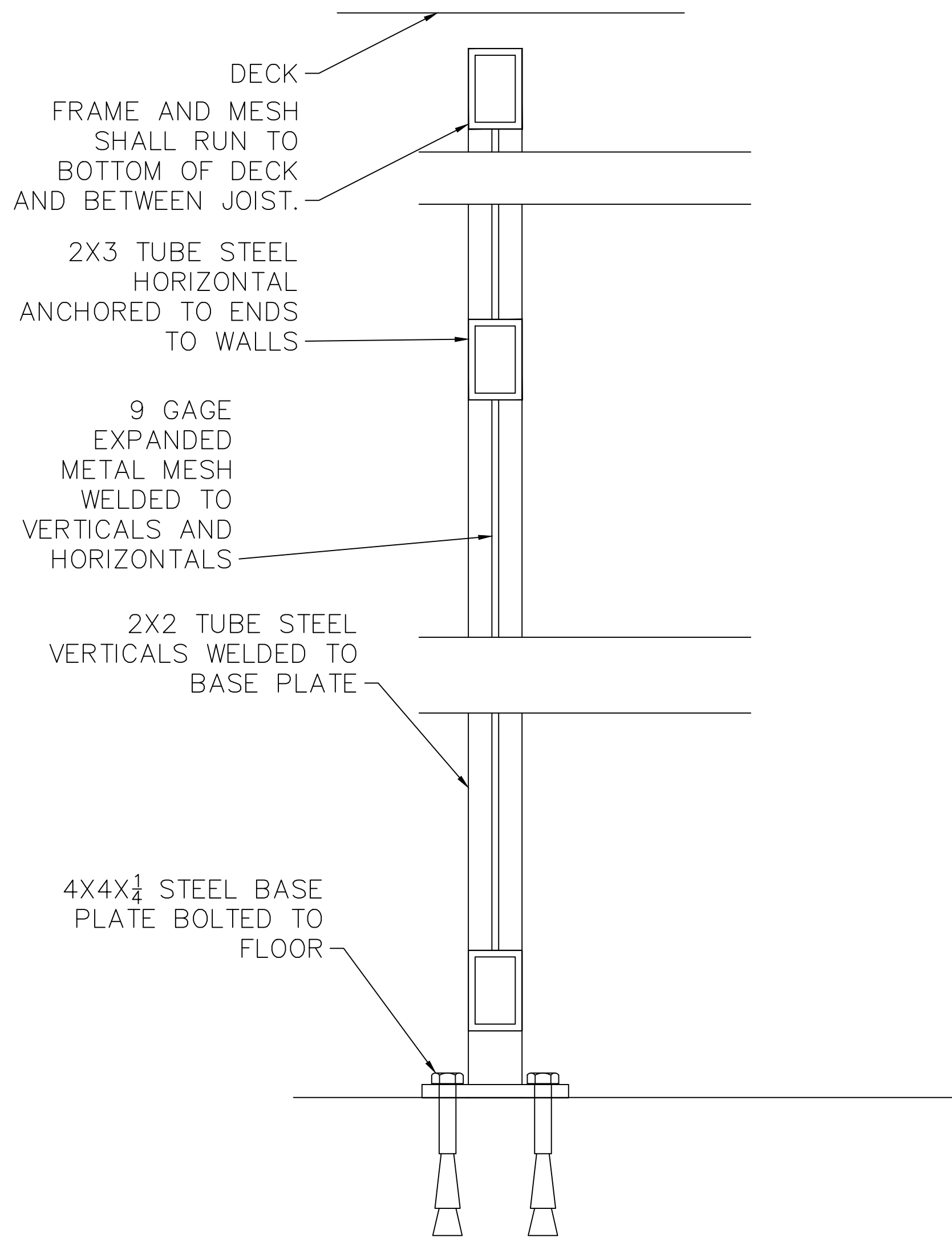
SHEET NO. PRA5
OF SET NUMBER
REVISED:
DATE: 9/30/16
DRAWN BY: JRR
PROJECT NO.:

ROBERTO J. RUIZ
ARCHITECT, INC.
615 W. TANDY ROAD
BROWNSVILLE, TEXAS 77820
(956) 350-8195 OFFICE
(956) 350-9196 FAX
ARCHIRUIZ@AOL.COM

PERMIT TITLE: ADMINISTRATION COMPLEX
PERMIT / RECORDS BUILDING
OWNER: BROWNSVILLE NAVIGATION DISTRICT
PORT OF BROWNSVILLE
BROWNSVILLE, TEXAS

PROJECT: ADMINISTRATION COMPLEX
PERMIT / RECORDS BUILDING
OWNER: BROWNSVILLE NAVIGATION DISTRICT
PORT OF BROWNSVILLE
BROWNSVILLE, TEXAS

SHEET TITLE:
CROSS SECTIONS



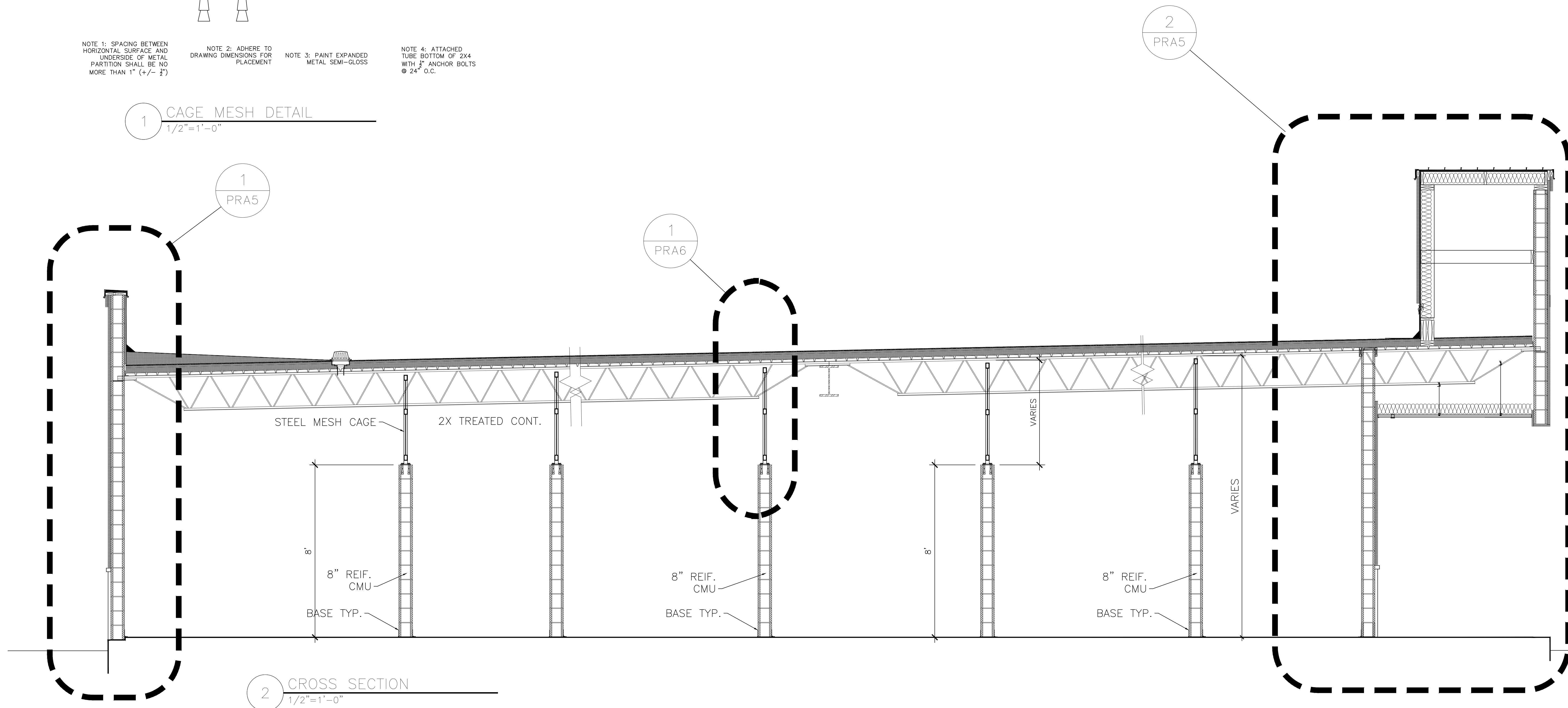
NOTE 1: SPACING BETWEEN HORIZONTAL SURFACE AND UNDERSIDE OF METAL PARTITION SHALL BE NO MORE THAN 1" (+/- 1/2")

NOTE 2: ADHERE TO DRAWING DIMENSIONS FOR PLACEMENT

NOTE 3: PAINT EXPANDED METAL SEMI-GLOSS

NOTE 4: ATTACHED TUBE BOTTOM OF 2X4 WITH 1/2" ANCHOR BOLTS @ 24" O.C.

1 CAGE MESH DETAIL
1/2"=1'-0"



2 CROSS SECTION
1/2"=1'-0"



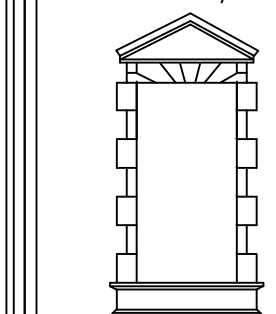
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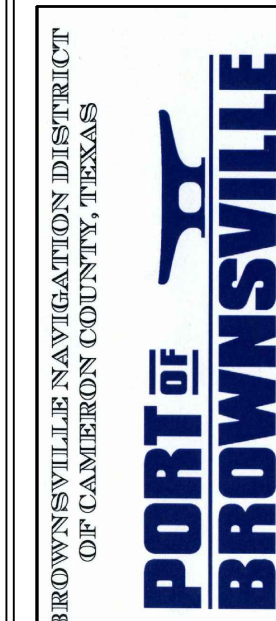
REVISED:

DATE: 9/30/16
DRAWN BY: JER
PROJECT NO.:

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ARCHITECT, INC.



615 W. TANDY ROAD
BROWNSVILLE, TEXAS 77820
(956) 350-9195 OFFICE
(956) 350-9196 FAX
ARCHIRUIZ@AOL.COM

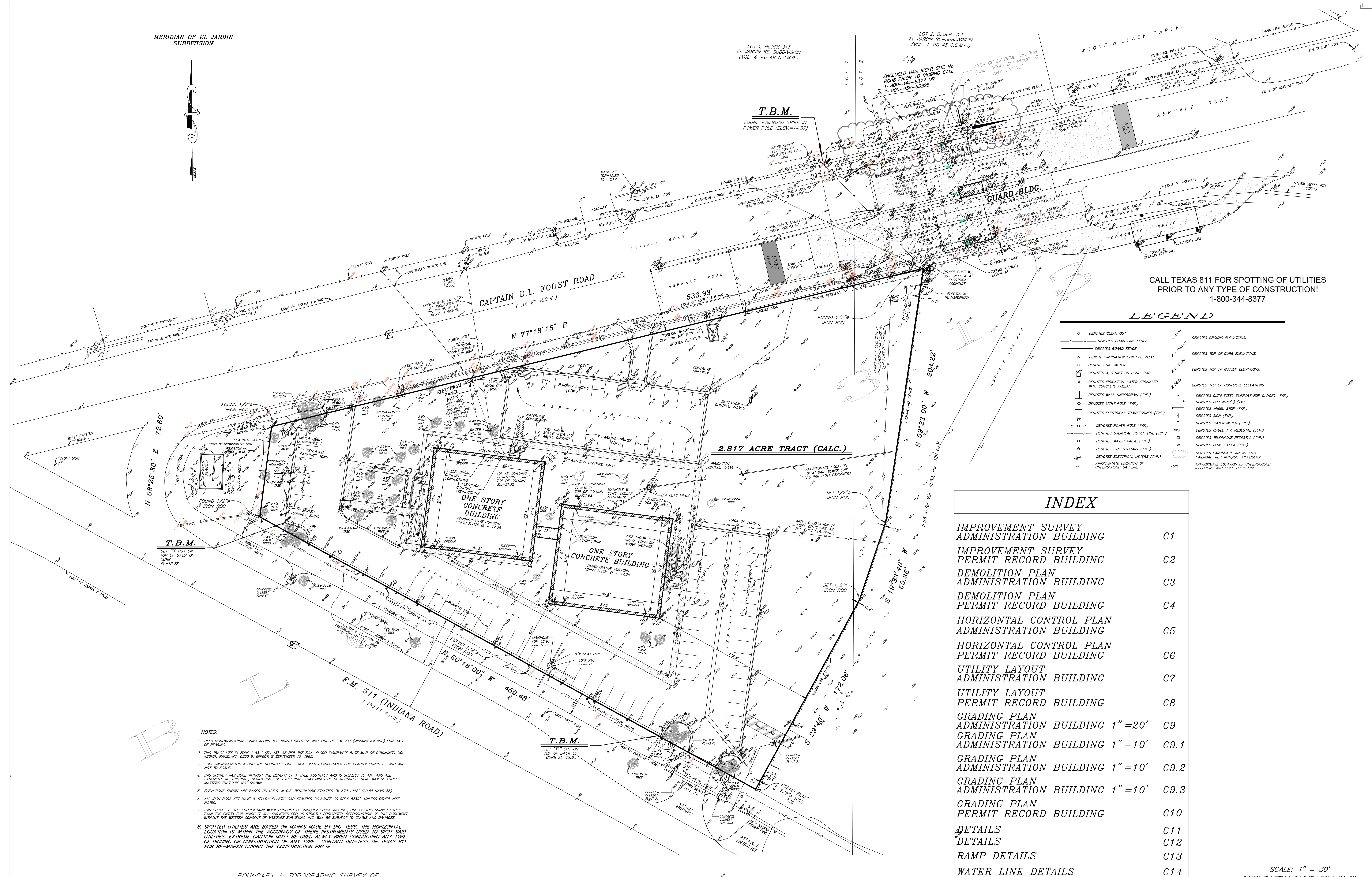


PROJECT: ADMINISTRATION COMPLEX
PERMIT / RECORDS BUILDING
OWNER: BROWNSVILLE NAVIGATION DISTRICT
PORT OF BROWNSVILLE
BROWNSVILLE, TEXAS

SHEET TITLE:
CROSS SECTION AND DETAIL

PERMIT / RECORDS BUILDING

MERIDIAN OF EL JARDIN
SUBDIVISION



- NOTES:
1. FIELD MONUMENTATION FOUND ALONG THE NORTH RIGHT OF WAY LINE OF F.M. 511 (INDIANA AVENUE) FOR BASIS OF BEARING.
 2. THIS TRACT LIES IN ZONE "AB" (EL. 131) AS PER THE F.L.A. FLOOD INSURANCE RATE MAP OF COMMUNITY NO. 480101, PANEL NO. 0320 B, EFFECTIVE SEPTEMBER 15, 1983.
 3. SOME IMPROVEMENTS ALONG THE BOUNDARY LINES HAVE BEEN EXAGGERATED FOR CLARITY PURPOSES AND ARE NOT TO SCALE.
 4. THIS SURVEY WAS DONE WITHOUT THE BENEFIT OF A TITLE ABSTRACT AND IS SUBJECT TO ANY AND ALL EASEMENTS, RESTRICTIONS, DEDICATIONS OR EXCEPTIONS THAT MIGHT BE OF RECORD. THERE MAY BE OTHER MATTERS THAT ARE NOT SHOWN.
 5. ELEVATIONS SHOWN ARE BASED ON U.S.C. & G.S. BENCHMARK STAMPED "N 679 1942" (20.89 NAVD 88).
 6. ALL IRON RODS SET HAVE A YELLOW PLASTIC CAP STAMPED "VASQUEZ CO RPLS 5739", UNLESS OTHER WISE NOTED.
 7. THIS SURVEY IS THE PROPRIETARY WORK PRODUCT OF VASQUEZ SURVEYING INC. USE OF THIS SURVEY OTHER THAN THE ENTITY FOR WHICH IT WAS SURVEYED FOR, IS STRICTLY PROHIBITED. REPRODUCTION OF THIS DOCUMENT WITHOUT THE WRITTEN CONSENT OF VASQUEZ SURVEYING INC. WILL BE SUBJECT TO CLAIMS AND DAMAGES.
 8. SPOTTED UTILITIES ARE BASED ON MARKS MADE BY DIG-TESS. THE HORIZONTAL LOCATION IS WITHIN THE ACCURACY OF THESE INSTRUMENTS USED TO SPOT SAID UTILITIES. EXTREME CAUTION MUST BE USED ALWAYS WHEN CONSIDERING ANY TYPE OF DIGGING OR CONSTRUCTION OF ANY TYPE. CONTACT DIG-TESS OR TEXAS 811 FOR RE-MARKS DURING THE CONSTRUCTION PHASE.

BOUNDARY & TOPOGRAPHIC SURVEY OF
A 2.817 ACRE TRACT OF LAND, MORE OR LESS, OUT OF
LOTS ONE (1) AND TWO (2), BLOCK THREE HUNDRED
THIRTEEN (313), EL JARDIN RE-SUBDIVISION,
ACCORDING TO MAP OR PLAT THEREOF RECORDED IN
VOLUME 4, PAGE 48, SHARE 30, ESPIRITU SANTO
GRANT, MAP RECORDS OF CAMERON COUNTY, TEXAS.

SURVEYED FOR:
BROWNSVILLE NAVIGATION DISTRICT

INDEX	
IMPROVEMENT SURVEY	
ADMINISTRATION BUILDING	C1
IMPROVEMENT SURVEY	
PERMIT RECORD BUILDING	C2
DEMOLITION PLAN	
ADMINISTRATION BUILDING	C3
DEMOLITION PLAN	
PERMIT RECORD BUILDING	C4
HORIZONTAL CONTROL PLAN	
ADMINISTRATION BUILDING	C5
HORIZONTAL CONTROL PLAN	
PERMIT RECORD BUILDING	C6
UTILITY LAYOUT	
ADMINISTRATION BUILDING	C7
UTILITY LAYOUT	
PERMIT RECORD BUILDING	C8
GRADING PLAN	
ADMINISTRATION BUILDING 1"=20'	C9
GRADING PLAN	
ADMINISTRATION BUILDING 1"=10'	C9.1
GRADING PLAN	
ADMINISTRATION BUILDING 1"=10'	C9.2
GRADING PLAN	
ADMINISTRATION BUILDING 1"=10'	C9.3
GRADING PLAN	
PERMIT RECORD BUILDING	C10
DETAILS	
DETAILS	C11
RAMP DETAILS	C12
WATER LINE DETAILS	C13
SANITARY SEWER LINE DETAILS	C14
STORM WATER POLLUTION	
PREVENTION REQUIRMENTS	C15

SCALE: 1" = 30'

THE DIMENSIONS SHOWN ON THE BUILDING FOOTPRINT HAVE BEEN
ROUNDED OFF TO THE NEAREST TENTH OF A FOOT.

ALL DIMENSIONS ARE IN DECIMAL OF A FOOT UNLESS OTHERWISE NOTED.

VASQUEZ SURVEYING INC.
FIRM No. 10084100
4000 BOCA CHICA BLVD.
BROWNSVILLE, TEXAS 77821
Phone: (936) 541-9626 Cell: (936) 466-9680
Fax: (936) 544-4177
G.F. No. N/A JOB No. 15.3602

SHEET NO.	C1
OF	
SET NUMBER	
REVISED:	
DATE: 9/19/16	
DRAWN BY: S.S.	
PROJECT NO.: 18792	
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PORT OF BROWNSVILLE -WORLD CLASS- BROWNSVILLE NAVIGATION DISTRICT OF CAMERON COUNTY, TEXAS	
PROJECT: ADMINISTRATION COMPLEX REHABILITATION AND BUILDING ADDITIONS OWNER: BROWNSVILLE NAVIGATION DISTRICT PORT OF BROWNSVILLE BROWNSVILLE, TEXAS	
SHEET TITLE: IMPROVEMENT SURVEY	

The undersigned hereby certifies that the survey described hereon was made on the ground on _____, 2014, that the only improvements on the ground are as shown; that there are no visible encroachments, visible overlappings, apparent conflicts, or visible easements except as shown hereon. THIS CERTIFICATION IS ONLY VALID WITH AN ORIGINAL SIGNATURE AND IF THE DRAWING CONTAINS NO ERASURES OR ADDITIONS.

REGISTERED PROFESSIONAL LAND SURVEYOR NO. 5739

SCALE: 1" = 20'

THE DIMENSIONS SHOWN ON THE BUILDING FOOTPRINT HAVE BEEN ROUNDED OFF TO THE NEAREST TENTH OF A FOOT.

ALL DIMENSIONS ARE IN DECIMAL OF A FOOT UNLESS OTHERWISE NOTED.

VASQUEZ SURVEYING INC.

4000 BOCA CHICA BLVD.
BROWNSVILLE, TEXAS 77821
Phone: (956) 541-9826 Cell: (956) 466-9886
Fax: (956) 544-4177

G.F. NO. N/A JOB NO. 14 --

SHEET TITLE:
IMPROVEMENT SURVEY
PERMIT RECORD BUILDING

PROJECT: ADMINISTRATION COMPLEX
REHABILITATION AND BUILDING ADDITIONS
OWNER: BROWNSVILLE NAVIGATION DISTRICT
PORT OF BROWNSVILLE
BROWNSVILLE, TEXAS



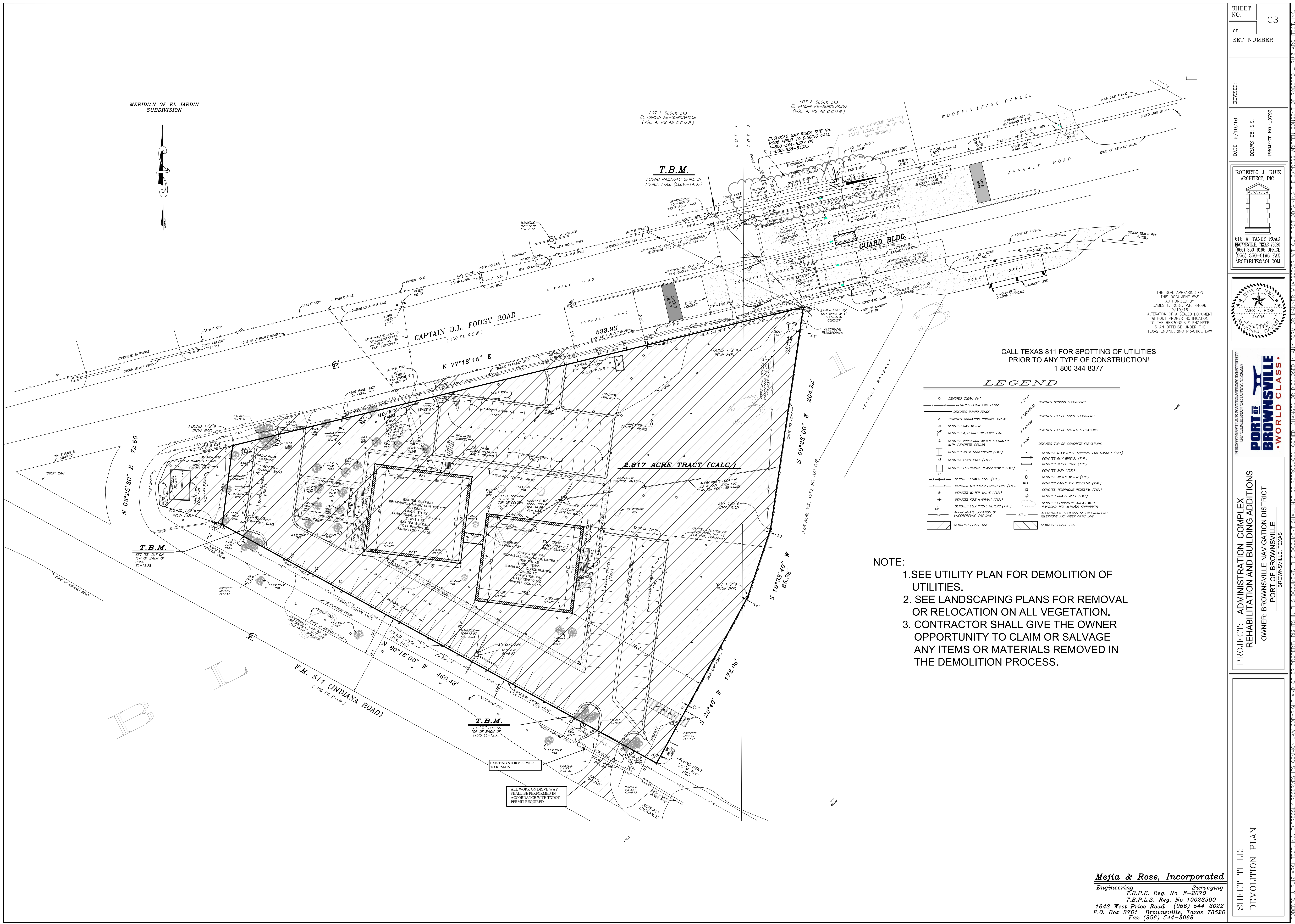
ROBERTO J. RUIZ
ARCHITECT, INC.

615 W. TANDY ROAD
BROWNSVILLE, TEXAS 77820
(956) 350-9195 OFFICE
(956) 350-9196 FAX
ARCH.RUIZ@AOL.COM

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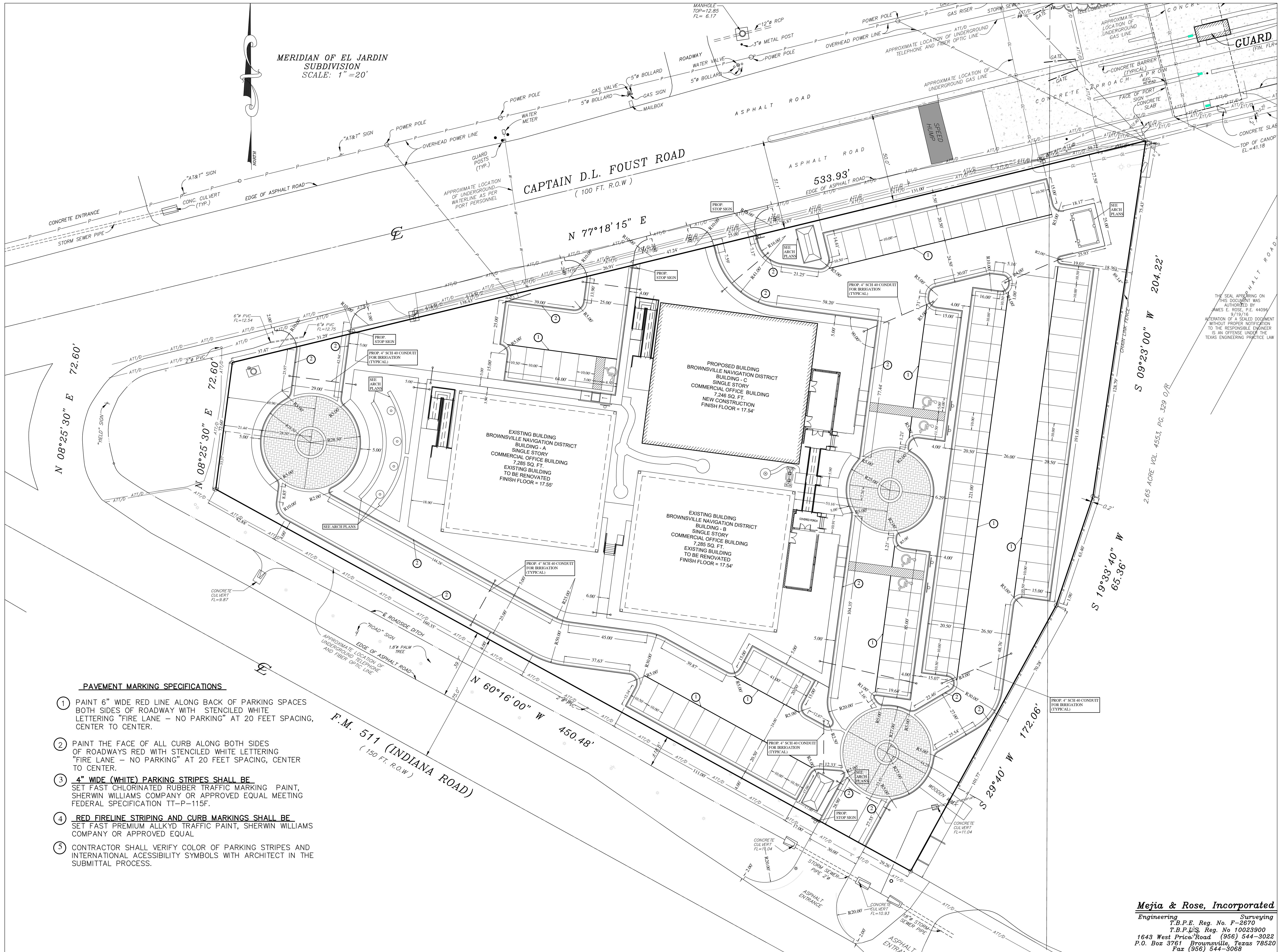
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BRONSONVILLE IS NAVIGATION DISTRICT OF CAMERON COUNTY, TEXAS

PROJECT: ADMINISTRATION COMPLEX REHABILITATION AND BUILDING ADDITIONS OWNER: BROWNSVILLE NAVIGATION DISTRICT PORT OF BROWNSVILLE BROWNSVILLE, TEXAS

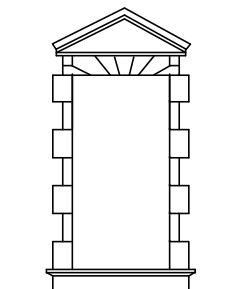
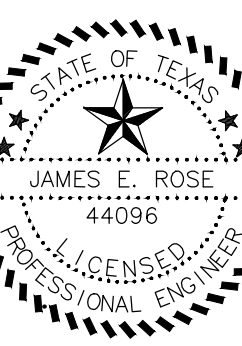
SHEET TITLE: DEMOLITION PLAN

Mejia & Rose, Incorporated Engineering Surveying T.B.P.E. Reg. No. F-2670 T.B.P.L.S. Reg. No. 10023900 1643 West Price Road (956) 544-3022 P.O. Box 3761 Brownsville, Texas 78520 Fax (956) 544-3068

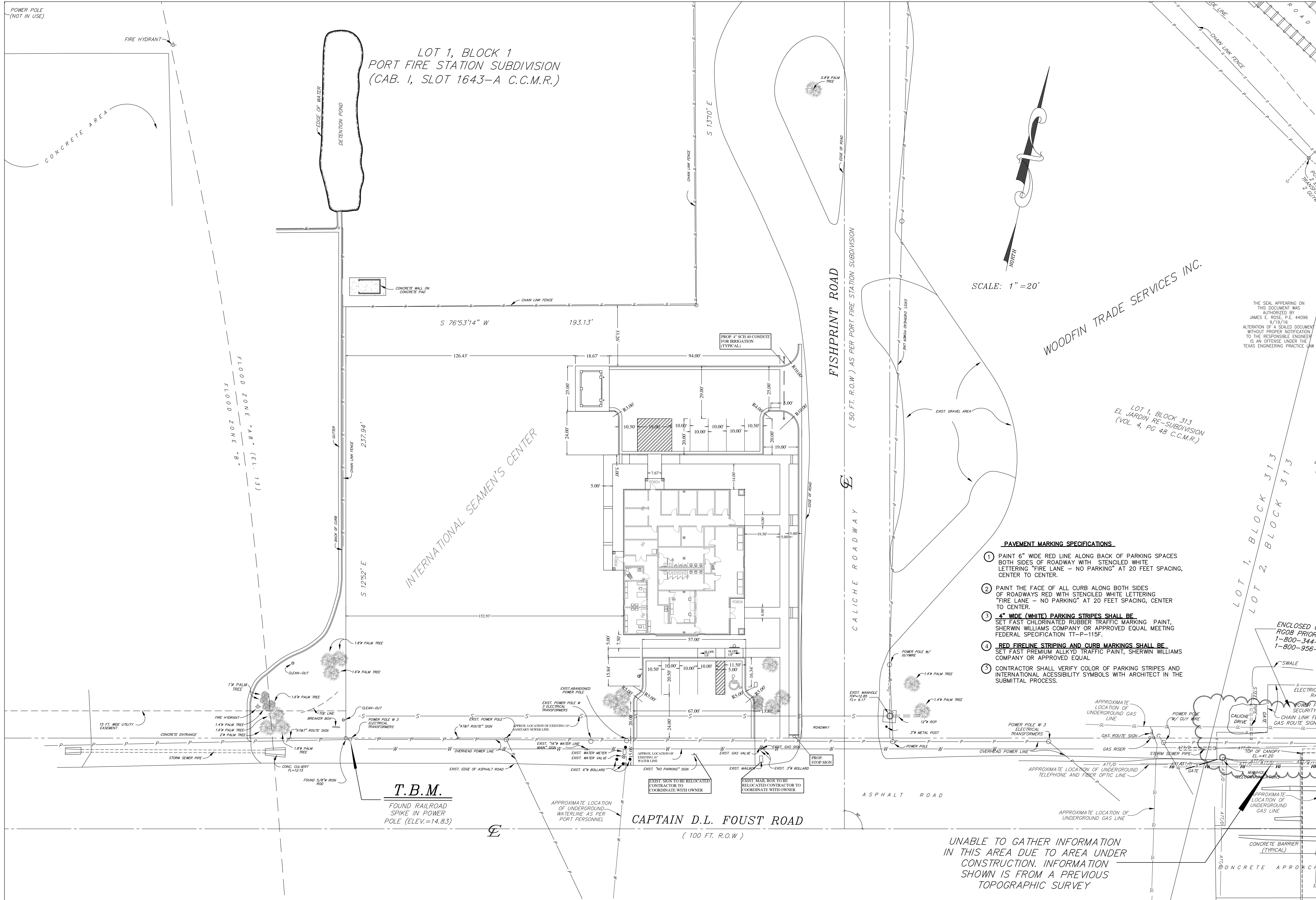


- PAVEMENT MARKING SPECIFICATIONS**
1. PAINT 6" WIDE RED LINE ALONG BACK OF PARKING SPACES BOTH SIDES OF ROADWAY WITH STENCILED WHITE LETTERING "FIRE LANE - NO PARKING" AT 20 FEET SPACING, CENTER TO CENTER.
 2. PAINT THE FACE OF ALL CURB ALONG BOTH SIDES OF ROADWAYS RED WITH STENCILED WHITE LETTERING "FIRE LANE - NO PARKING" AT 20 FEET SPACING, CENTER TO CENTER.
 3. **4" WIDE (WHITE) PARKING STRIPES SHALL BE** SET FAST CHLORINATED RUBBER TRAFFIC MARKING PAINT, SHERWIN WILLIAMS COMPANY OR APPROVED EQUAL MEETING FEDERAL SPECIFICATION TT-P-115F.
 4. **RED FIRELINE STRIPING AND CURB MARKINGS SHALL BE** SET FAST PREMIUM ALLKYD TRAFFIC PAINT, SHERWIN WILLIAMS COMPANY OR APPROVED EQUAL.
 5. CONTRACTOR SHALL VERIFY COLOR OF PARKING STRIPES AND INTERNATIONAL ACCESSIBILITY SYMBOLS WITH ARCHITECT IN THE SUBMITTAL PROCESS.

Mejia & Rose, Incorporated
Engineering Surveying
T.B.P.E. Reg. No. F-2670
T.B.P.L.S. Reg. No. 10023900
1643 West Price Road (956) 544-3022
P.O. Box 3761 Brownsville, Texas 78520
Fax (956) 544-3068

SHEET NO.	C5
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PROJECT: ADMINISTRATION COMPLEX REHABILITATION AND BUILDING ADDITIONS OWNER: BROWNSVILLE NAVIGATION DISTRICT PORT OF BROWNSVILLE BROWNSVILLE, TEXAS	
SHEET TITLE: HORIZONTAL CONTROL PLAN	

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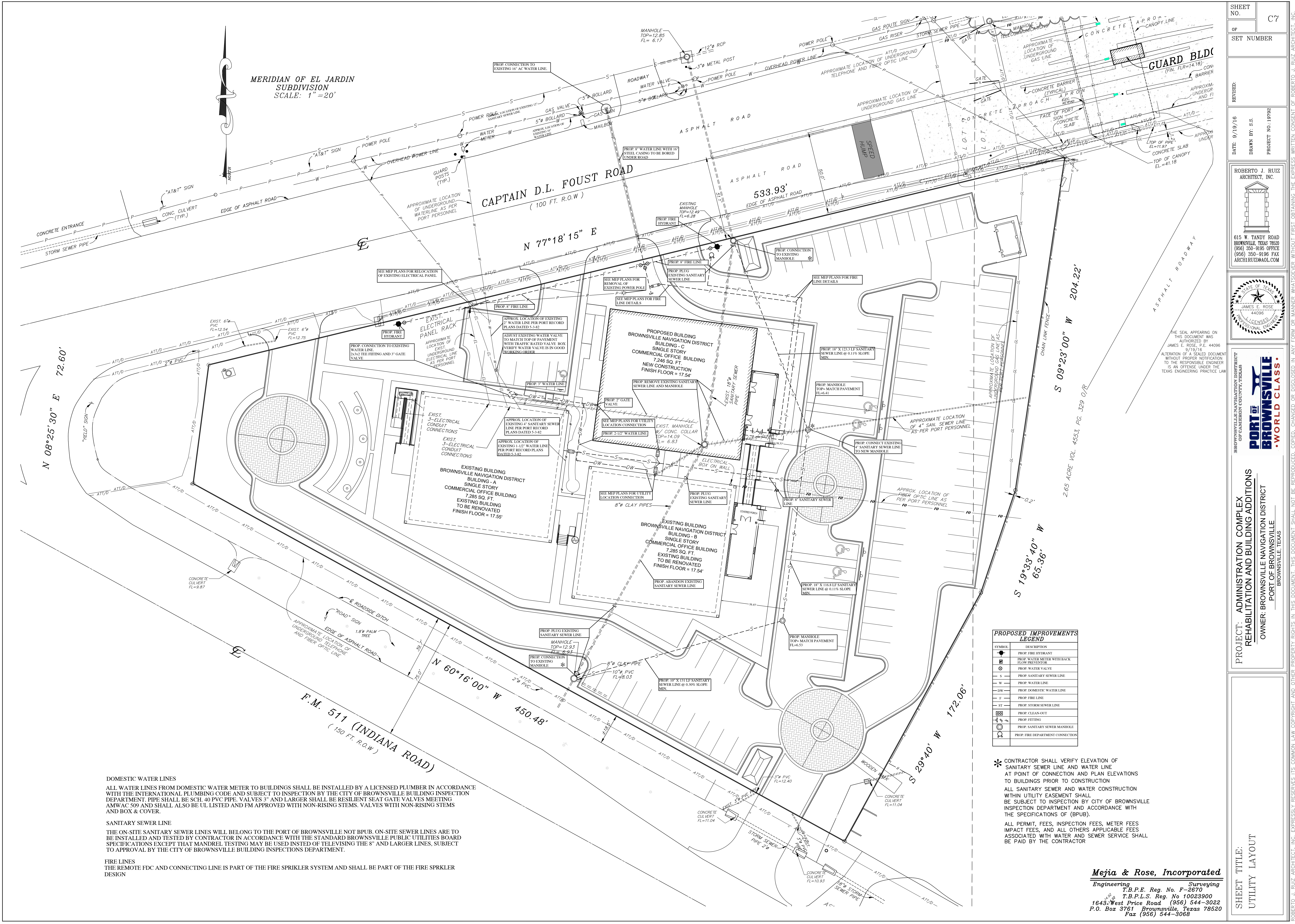


- PAVEMENT MARKING SPECIFICATIONS**
1. PAINT 6" WIDE RED LINE ALONG BACK OF PARKING SPACES BOTH SIDES OF ROADWAY WITH STENCILED WHITE LETTERING "FIRE LANE - NO PARKING" AT 20 FEET SPACING, CENTER TO CENTER.
 2. PAINT THE FACE OF ALL CURB ALONG BOTH SIDES OF ROADWAYS RED WITH STENCILED WHITE LETTERING "FIRE LANE - NO PARKING" AT 20 FEET SPACING, CENTER TO CENTER.
 3. 4" WIDE (WHITE) PARKING STRIPES SHALL BE SET FAST CHLORINATED RUBBER TRAFFIC MARKING PAINT, SHERWIN WILLIAMS COMPANY OR APPROVED EQUAL MEETING FEDERAL SPECIFICATION TT-P-115F.
 4. RED FIRELINE STRIPING AND CURB MARKINGS SHALL BE SET FAST PREMIUM ALLKYD TRAFFIC PAINT, SHERWIN WILLIAMS COMPANY OR APPROVED EQUAL.
 5. CONTRACTOR SHALL VERIFY COLOR OF PARKING STRIPES AND INTERNATIONAL ACCESSIBILITY SYMBOLS WITH ARCHITECT IN THE SUBMITTAL PROCESS.

Mejia & Rose, Incorporated
Engineering T.B.P.E. Reg. No. F-2670 Surveying T.B.P.L.S. Reg. No. 10023900
1643 West Price Road (956) 544-3022
P.O. Box 3761 Brownsville, Texas 78520
Fax (956) 544-3068

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OF	SET NUMBER
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	PROJECT NO.: 19792
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PORT OF BROWNSVILLE BROWNSVILLE NAVIGATION DISTRICT OF CAMERON COUNTY, TEXAS •WORLD CLASS•	
PROJECT: ADMINISTRATION COMPLEX REHABILITATION AND BUILDING ADDITIONS OWNER: BROWNSVILLE NAVIGATION DISTRICT PORT OF BROWNSVILLE BROWNSVILLE, TEXAS	
SHEET TITLE: HORIZONTAL CONTROL PLAN	

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DOMESTIC WATER LINES

ALL WATER LINES FROM DOMESTIC WATER METER TO BUILDINGS SHALL BE INSTALLED BY A LICENSED PLUMBER IN ACCORDANCE WITH THE INTERNATIONAL PLUMBING CODE AND SUBJECT TO INSPECTION BY THE CITY OF BROWNSVILLE BUILDING INSPECTION DEPARTMENT. PIPE SHALL BE SCH. 40 PVC PIPE. VALVES 3" AND LARGER SHALL BE RESILIENT SEAT GATE VALVES MEETING AMWAC 509 AND SHALL ALSO BE UL LISTED AND FM APPROVED WITH NON-RISING STEMS. VALVES WITH NON-RISING STEMS AND BOX & COVER.

SANITARY SEWER LINE

THE ON-SITE SANITARY SEWER LINES WILL BELONG TO THE PORT OF BROWNSVILLE NOT BPUB. ON-SITE SEWER LINES ARE TO BE INSTALLED AND TESTED BY CONTRACTOR IN ACCORDANCE WITH THE STANDARD BROWNSVILLE PUBLIC UTILITIES BOARD SPECIFICATIONS EXCEPT THAT MANDREL TESTING MAY BE USED INSTEAD OF TELEVISIONING THE 8" AND LARGER LINES, SUBJECT TO APPROVAL BY THE CITY OF BROWNSVILLE BUILDING INSPECTIONS DEPARTMENT.

FIRE LINES

THE REMOTE FDC AND CONNECTING LINE IS PART OF THE FIRE SPRINKLER SYSTEM AND SHALL BE PART OF THE FIRE SPRINKLER DESIGN

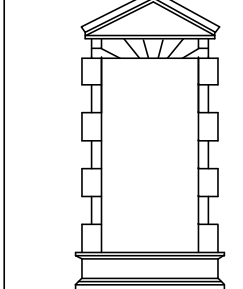
SHEET NO. C7

OF SET NUMBER

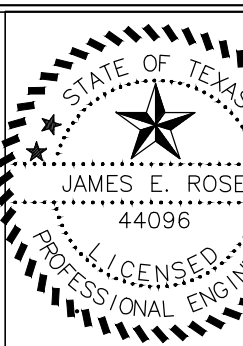
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DATE: 9/19/16
DRAWN BY: S.S.
PROJECT NO.: 19792

ROBERTO J. RUIZ
ARCHITECT, INC.



615 W. TANDY ROAD
BROWNSVILLE, TEXAS 78520
(956) 350-9195 OFFICE
(956) 350-9196 FAX
ARCHRUIZ@AOL.COM



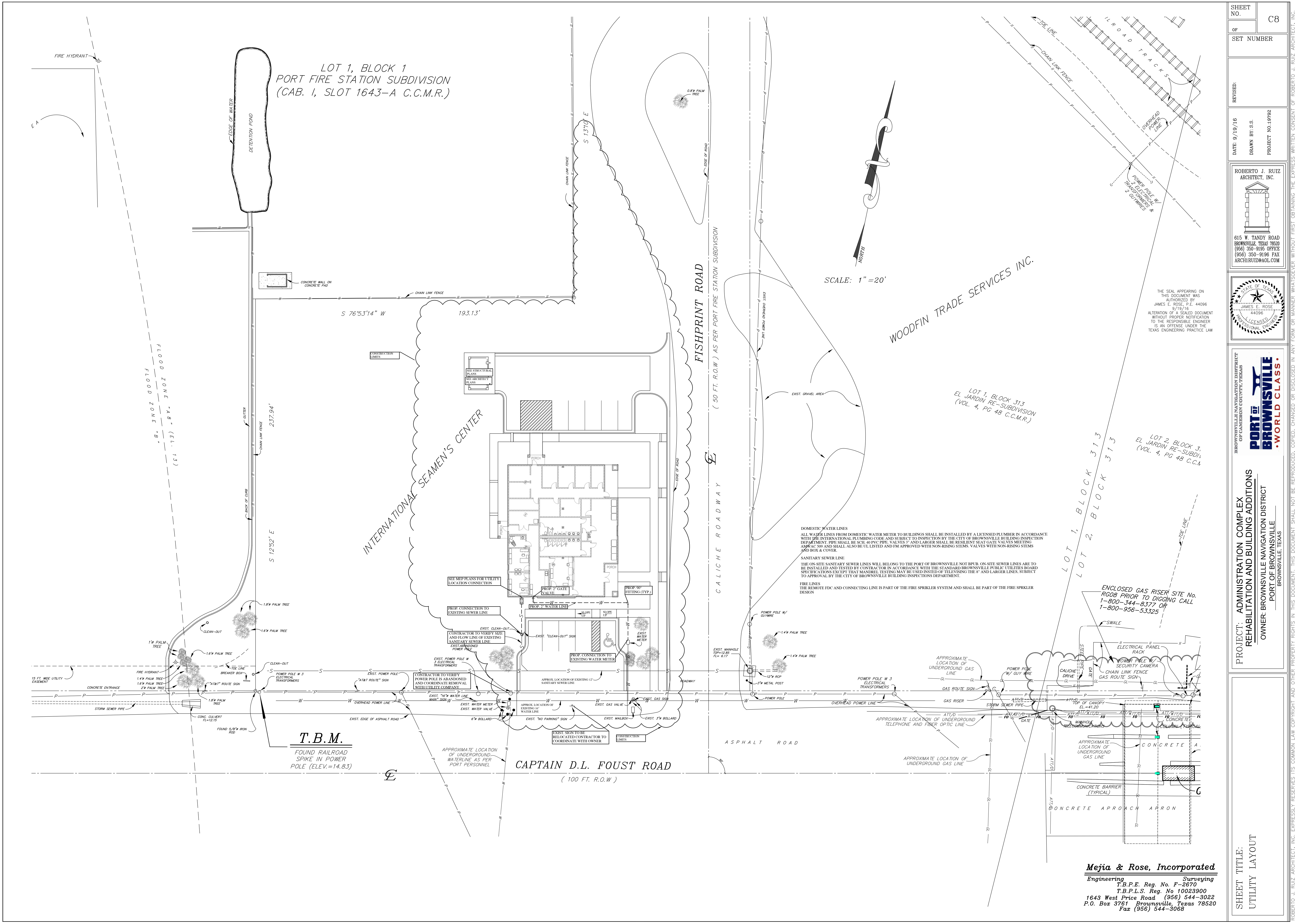
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BROWNSVILLE NAVIGATION DISTRICT
OF CAMERON COUNTY, TEXAS
PORT OF BROWNSVILLE
•WORLD CLASS•

PROJECT: ADMINISTRATION COMPLEX
REHABILITATION AND BUILDING ADDITIONS
OWNER: BROWNSVILLE NAVIGATION DISTRICT
PORT OF BROWNSVILLE
BROWNSVILLE, TEXAS

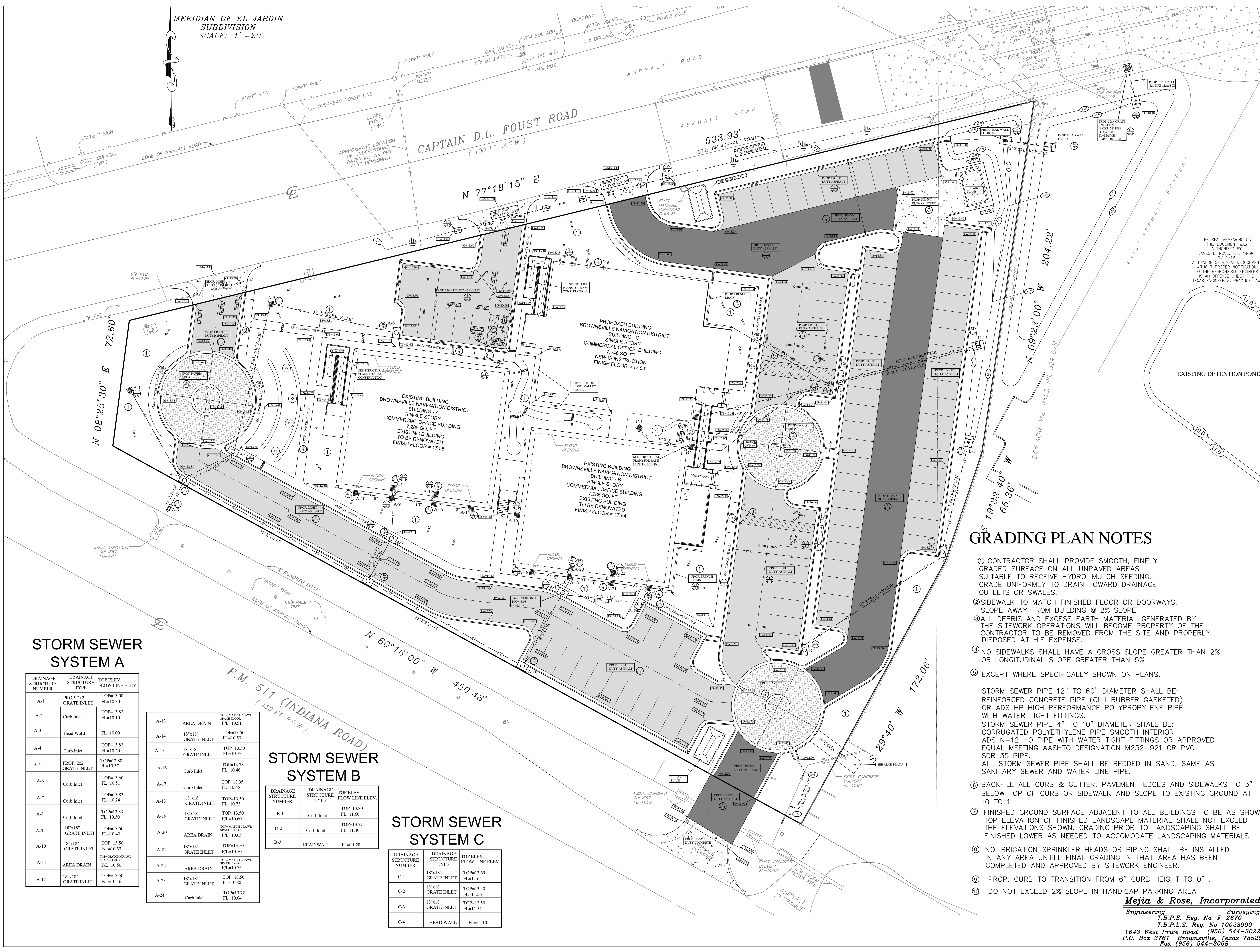
SHEET TITLE:
UTILITY LAYOUT

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OF SET NUMBER	
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DATE: 9/19/16	DRAWN BY: S.S.
PROJECT NO. 19792	
ROBERTO J. RUIZ ARCHITECT, INC.	
815 W. TANDY ROAD BROWNSVILLE, TEXAS 77820 (956) 350-9195 OFFICE (956) 350-9196 FAX ARCHRUIZ@AOL.COM	
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BROWNSVILLE NAVIGATION DISTRICT DISTRICT OF CALLESON COUNTY, TEXAS	
PROJECT: ADMINISTRATION COMPLEX REHABILITATION AND BUILDING ADDITIONS	
OWNER: BROWNSVILLE NAVIGATION DISTRICT	
PORT OF BROWNSVILLE BROWNSVILLE, TEXAS	
SHEET TITLE: UTILITY LAYOUT	

Mejia & Rose, Incorporated
Engineering Surveying
T.B.P.E. Reg. No. F-2670
T.B.P.L.S. Reg. No. 10023900
1643 West Price Road (956) 544-3022
P.O. Box 3761 Brownsville, Texas 77820
Fax (956) 544-3068



STORM SEWER SYSTEM A

DRAINAGE STRUCTURE NUMBER	DRAINAGE STRUCTURE TYPE	TOP ELEV. FLOW LINE ELEV.
A-1	PROP. 24" GRATE INLET	TOP=13.00 FL=10.30
A-2	Curb Inlet	TOP=13.83 FL=10.10
A-3	Head Wall	FL=10.00
A-4	Curb Inlet	TOP=13.83 FL=10.20
A-5	PROP. 24" GRATE INLET	TOP=12.80 FL=10.37
A-6	Curb Inlet	TOP=13.60 FL=10.51
A-7	Curb Inlet	TOP=13.83 FL=10.24
A-8	Curb Inlet	TOP=13.83 FL=10.30
A-9	18"x18" GRATE INLET	TOP=13.50 FL=10.40
A-10	18"x18" GRATE INLET	TOP=13.50 FL=10.53
A-11	AREA DRAIN	TOP=13.50 FL=10.50
A-12	18"x18" GRATE INLET	TOP=13.50 FL=10.46

A-13	AREA DRAIN	TOP=13.50 FL=10.51
A-14	18"x18" GRATE INLET	TOP=13.50 FL=10.53
A-15	18"x18" GRATE INLET	TOP=13.50 FL=10.73
A-16	Curb Inlet	TOP=13.78 FL=10.46
A-17	Curb Inlet	TOP=13.95 FL=10.55
A-18	18"x18" GRATE INLET	TOP=13.50 FL=10.73
A-19	18"x18" GRATE INLET	TOP=13.50 FL=10.60
A-20	AREA DRAIN	TOP=13.50 FL=10.65
A-21	18"x18" GRATE INLET	TOP=13.50 FL=10.70
A-22	AREA DRAIN	TOP=13.50 FL=10.75
A-23	18"x18" GRATE INLET	TOP=13.50 FL=10.80
A-24	Curb Inlet	TOP=13.72 FL=10.64

STORM SEWER SYSTEM B

DRAINAGE STRUCTURE NUMBER	DRAINAGE STRUCTURE TYPE	TOP ELEV. FLOW LINE ELEV.
B-1	Curb Inlet	TOP=13.80 FL=11.60
B-2	Curb Inlet	TOP=13.77 FL=11.40
B-3	HEAD WALL	FL=11.28

STORM SEWER SYSTEM C

DRAINAGE STRUCTURE NUMBER	DRAINAGE STRUCTURE TYPE	TOP ELEV. FLOW LINE ELEV.
C-1	18"x18" GRATE INLET	TOP=13.65 FL=11.64
C-2	18"x18" GRATE INLET	TOP=13.50 FL=11.56
C-3	18"x18" GRATE INLET	TOP=13.50 FL=11.52
C-4	HEAD WALL	FL=11.10

GRADING PLAN NOTES

- CONTRACTOR SHALL PROVIDE SMOOTH, FINELY GRADED SURFACE ON ALL UNPAVED AREAS SUITABLE TO RECEIVE HYDRO-MULCH SEEDING. GRADE UNIFORMLY TO DRAIN TOWARD DRAINAGE OUTLETS OR SWALES.
 - SIDEWALK TO MATCH FINISHED FLOOR OR DOORWAYS. SLOPE AWAY FROM BUILDING @ 2% SLOPE.
 - ALL DEBRIS AND EXCESS EARTH MATERIAL GENERATED BY THE SITEMARK OPERATIONS WILL BECOME PROPERTY OF THE CONTRACTOR TO BE REMOVED FROM THE SITE AND PROPERLY DISPOSED AT HIS EXPENSE.
 - NO SIDEWALKS SHALL HAVE A CROSS SLOPE GREATER THAN 2% OR LONGITUDINAL SLOPE GREATER THAN 5%.
 - EXCEPT WHERE SPECIFICALLY SHOWN ON PLANS.
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- STORM SEWER PIPE 4" TO 10" DIAMETER SHALL BE: CORRUGATED POLYETHYLENE PIPE SMOOTH INTERIOR ADS N-12 HQ PIPE WITH WATER TIGHT FITTINGS OR APPROVED EQUAL MEETING AASHTO DESIGNATION M252-921 OR PVC SDR 35 PIPE.
- ALL STORM SEWER PIPE SHALL BE BEDDED IN SAND, SAME AS SANITARY SEWER AND WATER LINE PIPE.
- BACKFILL ALL CURB & GUTTER, PAVEMENT EDGES AND SIDEWALKS TO 3" BELOW TOP OF CURB OR SIDEWALK AND SLOPE TO EXISTING GROUND AT 10 TO 1
 - FINISHED GROUND SURFACE ADJACENT TO ALL BUILDINGS TO BE AS SHOWN TOP ELEVATION OF FINISHED LANDSCAPE MATERIAL SHALL NOT EXCEED THE ELEVATIONS SHOWN. GRADING PRIOR TO LANDSCAPING SHALL BE FINISHED LOWER AS NEEDED TO ACCOMMODATE LANDSCAPING MATERIALS.
 - NO IRRIGATION SPRINKLER HEADS OR PIPING SHALL BE INSTALLED IN ANY AREA UNTILL FINAL GRADING IN THAT AREA HAS BEEN COMPLETED AND APPROVED BY SITEMARK ENGINEER.
 - PROP. CURB TO TRANSITION FROM 6" CURB HEIGHT TO 0" .
 - DO NOT EXCEED 2% SLOPE IN HANDICAP PARKING AREA

Mejia & Rose, Incorporated
Engineering T.B.P.F. Reg. No. F-2870 Surveying T.B.P.L.S. Reg. No. 10023900
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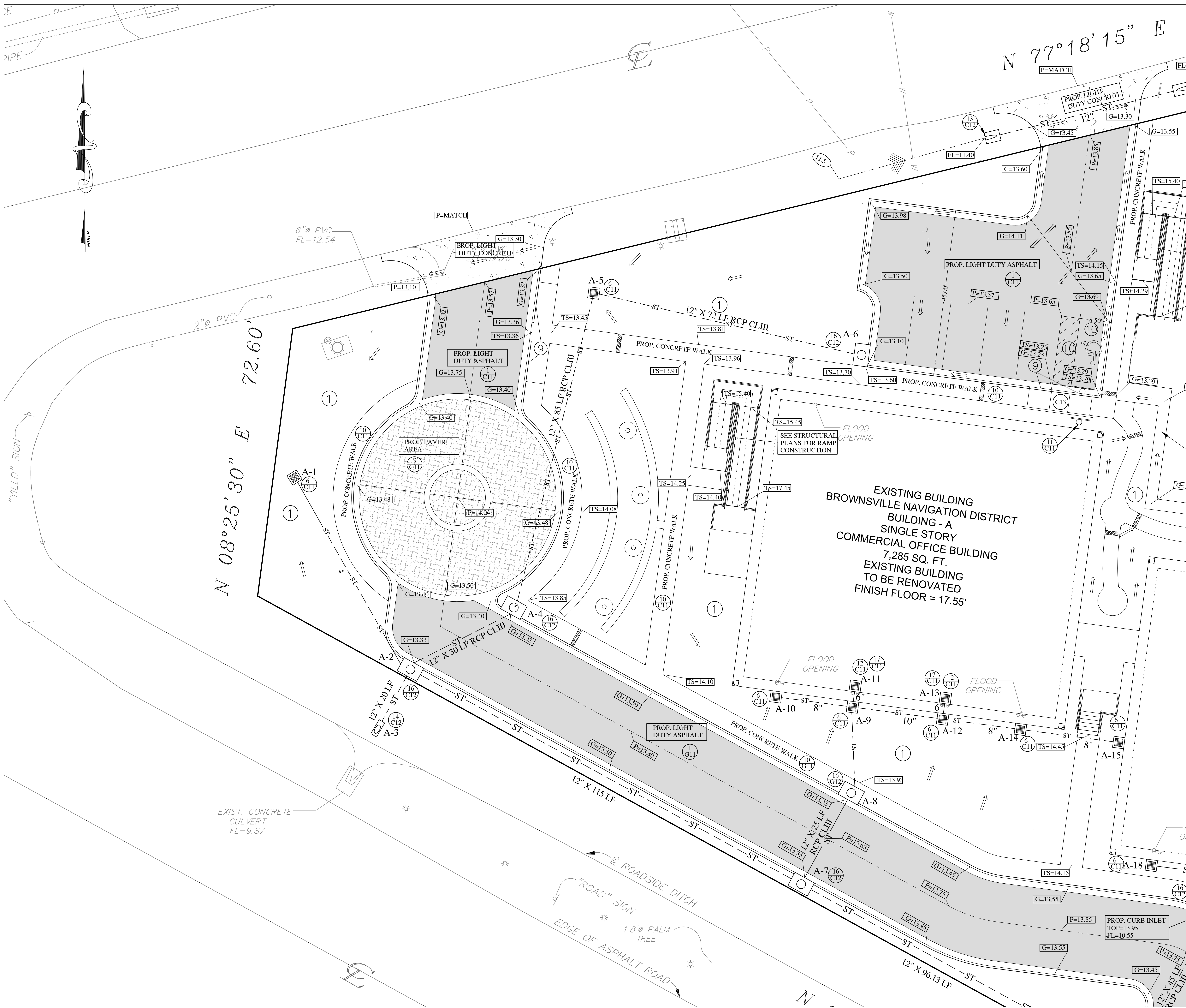
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BROWNSVILLE, TEXAS 77820
(956) 350-9195 OFFICE
(956) 350-9196 FAX
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PROJECT: ADMINISTRATION COMPLEX
REHABILITATION AND BUILDING ADDITIONS

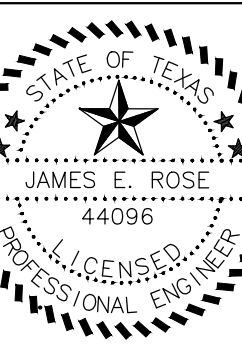
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PORT OF BROWNSVILLE
BROWNSVILLE, TEXAS

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GRADING PLAN



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PROJECT: ADMINISTRATION COMPLEX REHABILITATION AND BUILDING ADDITION OWNER: BROWNSVILLE NAVIGATION DISTRICT PORT OF BROWNSVILLE BROWNSVILLE, TEXAS	
SHEET TITLE: GRADING PLAN 1"=10'	

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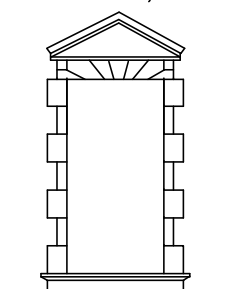
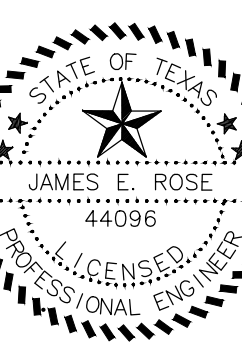
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SHEET TITLE: GRADING PLAN 1" = 10'	

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Engineering T.B.P.E. Reg. No. F-2670 Surveying T.B.P.L.S. Reg. No. 10023900
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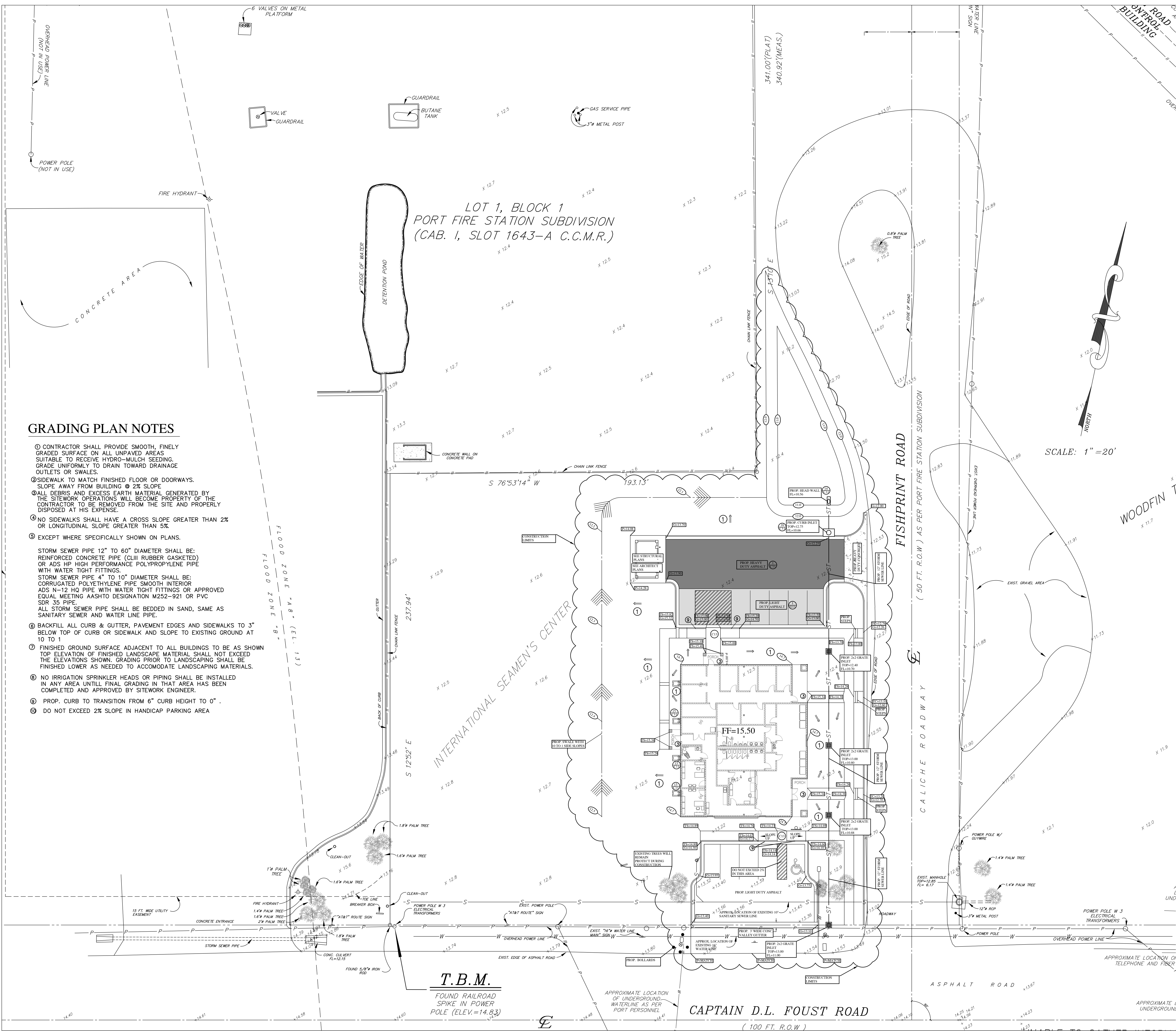
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SHEET TITLE: GRADING PLAN 1"=10'	

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- PROP. CURB TO TRANSITION FROM 6" CURB HEIGHT TO 0" .
- DO NOT EXCEED 2% SLOPE IN HANDICAP PARKING AREA

LOT 1, BLOCK 1
PORT FIRE STATION SUBDIVISION
(CAB. 1, SLOT 1643-A C.C.M.R.)



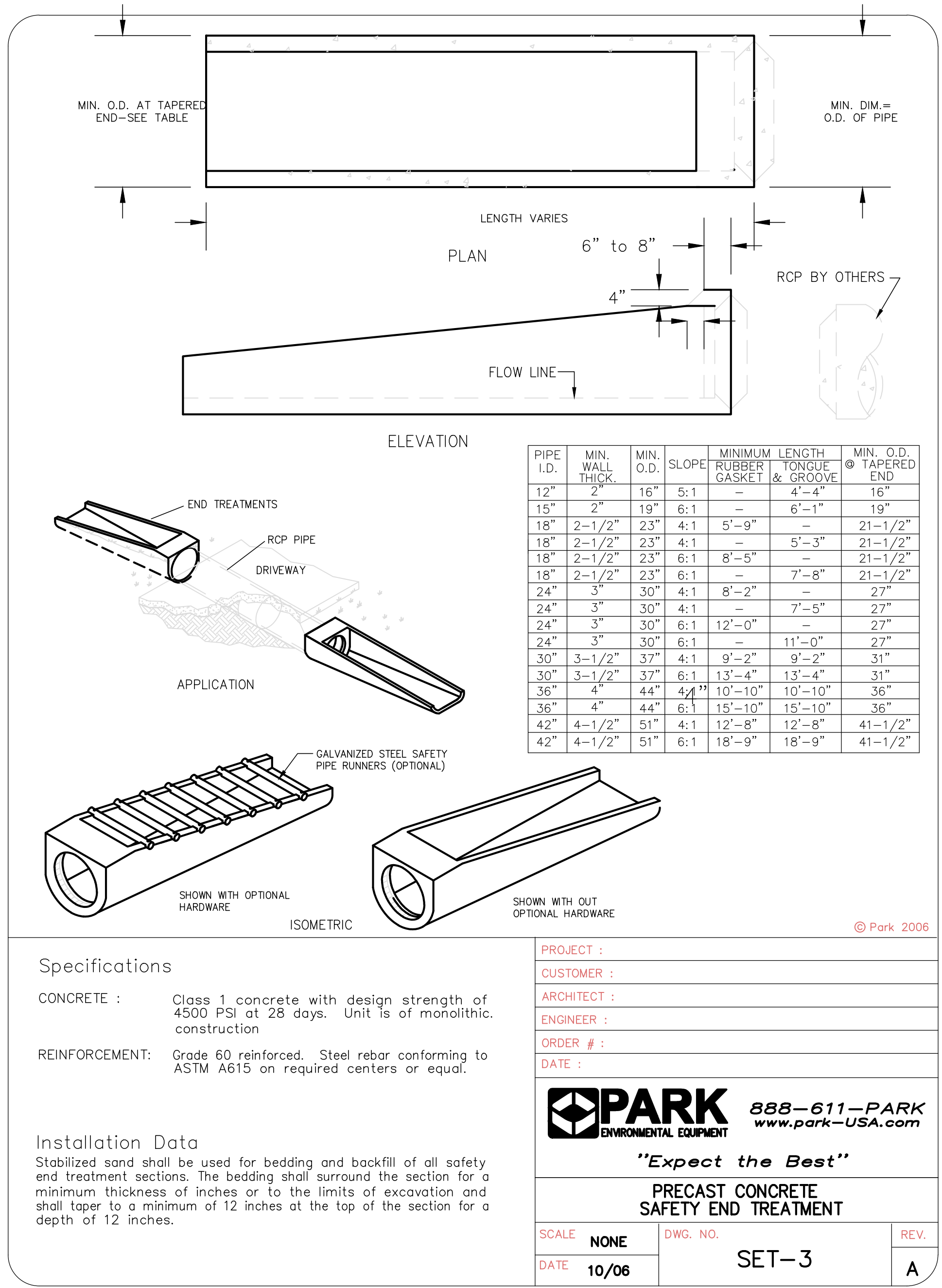
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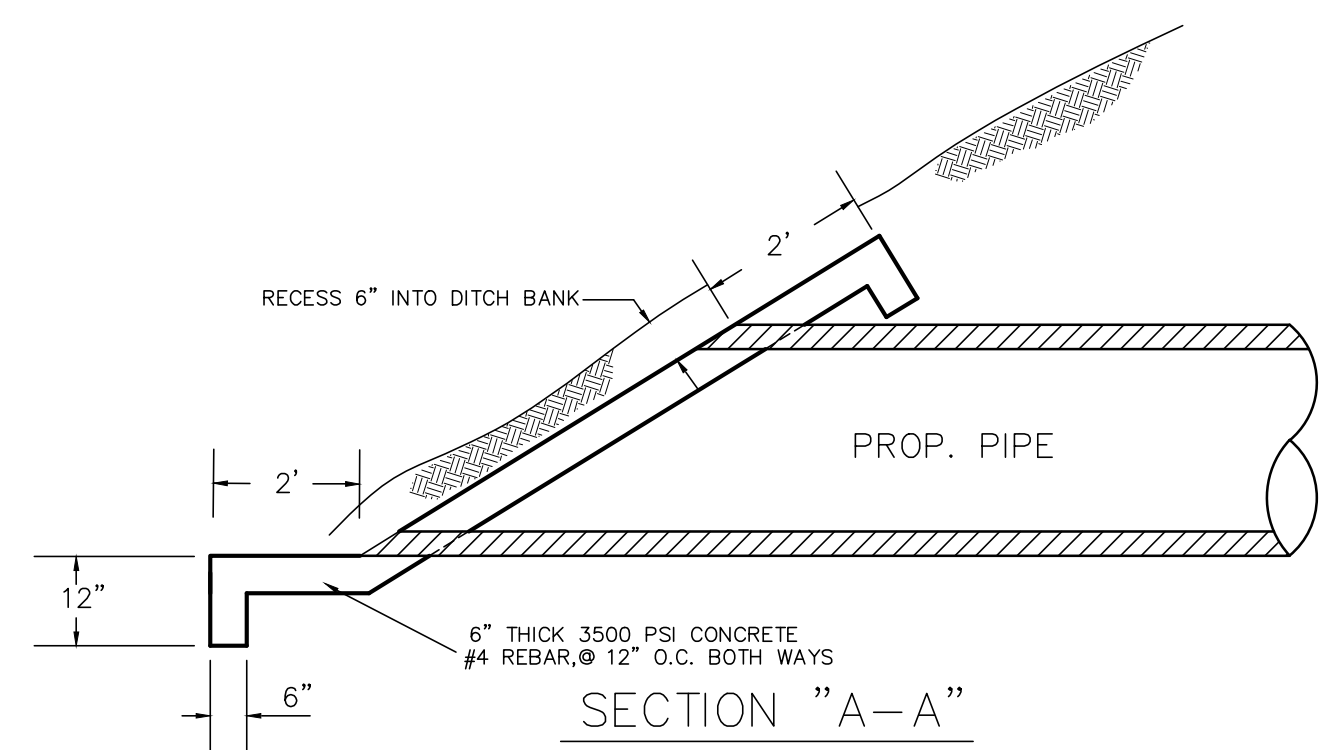
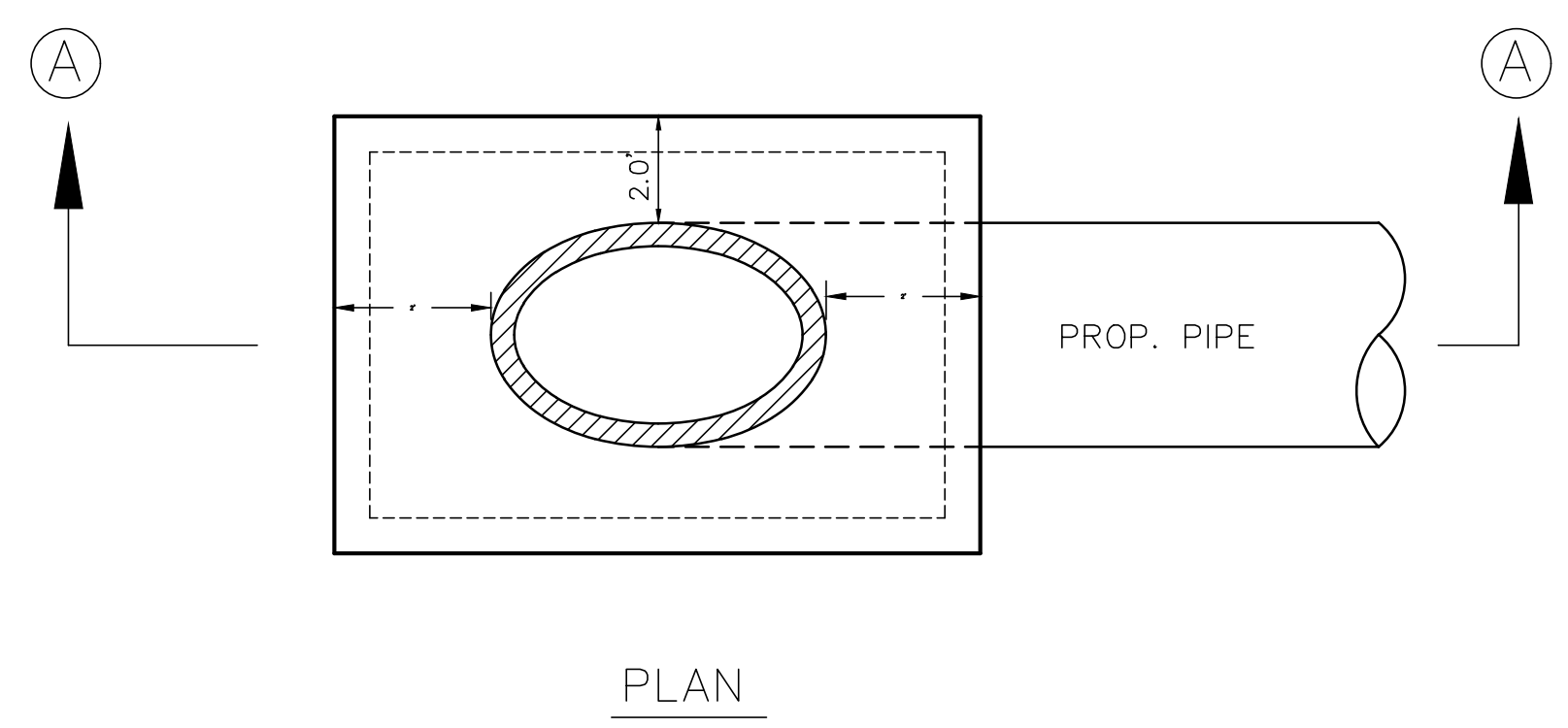
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BROWNSVILLE'S NAVIGATION DISTRICT OF CAMERON COUNTY, TEXAS	
PORT OF BROWNSVILLE "WORLD CLASS"	
PROJECT: ADMINISTRATION COMPLEX REHABILITATION AND BUILDING ADDITIONS OWNER: BROWNSVILLE NAVIGATION DISTRICT PORT OF BROWNSVILLE BROWNSVILLE, TEXAS	
SHEET TITLE: GRADING PLAN	

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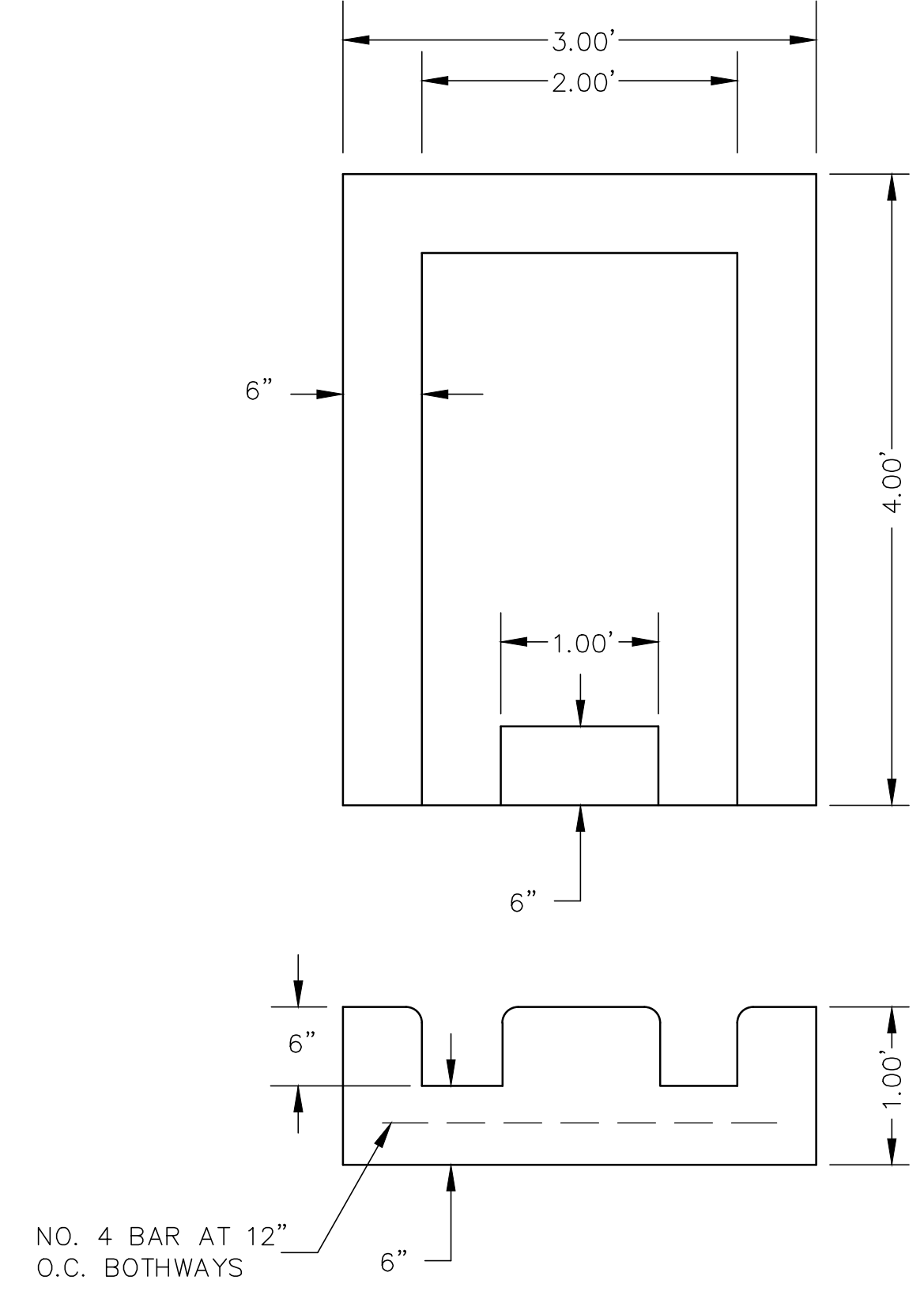
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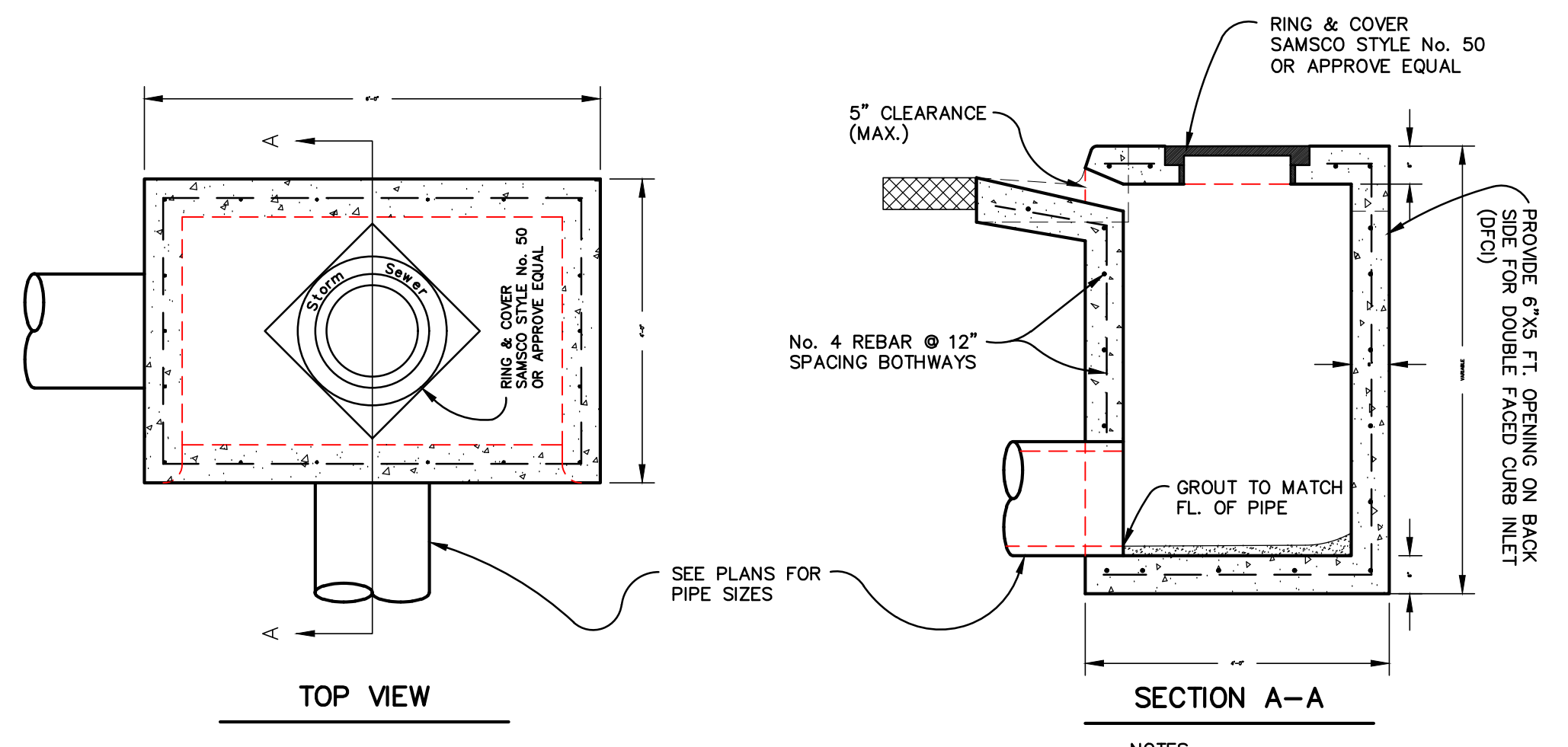
13 SAFETY END TREATMENT (N.T.S)



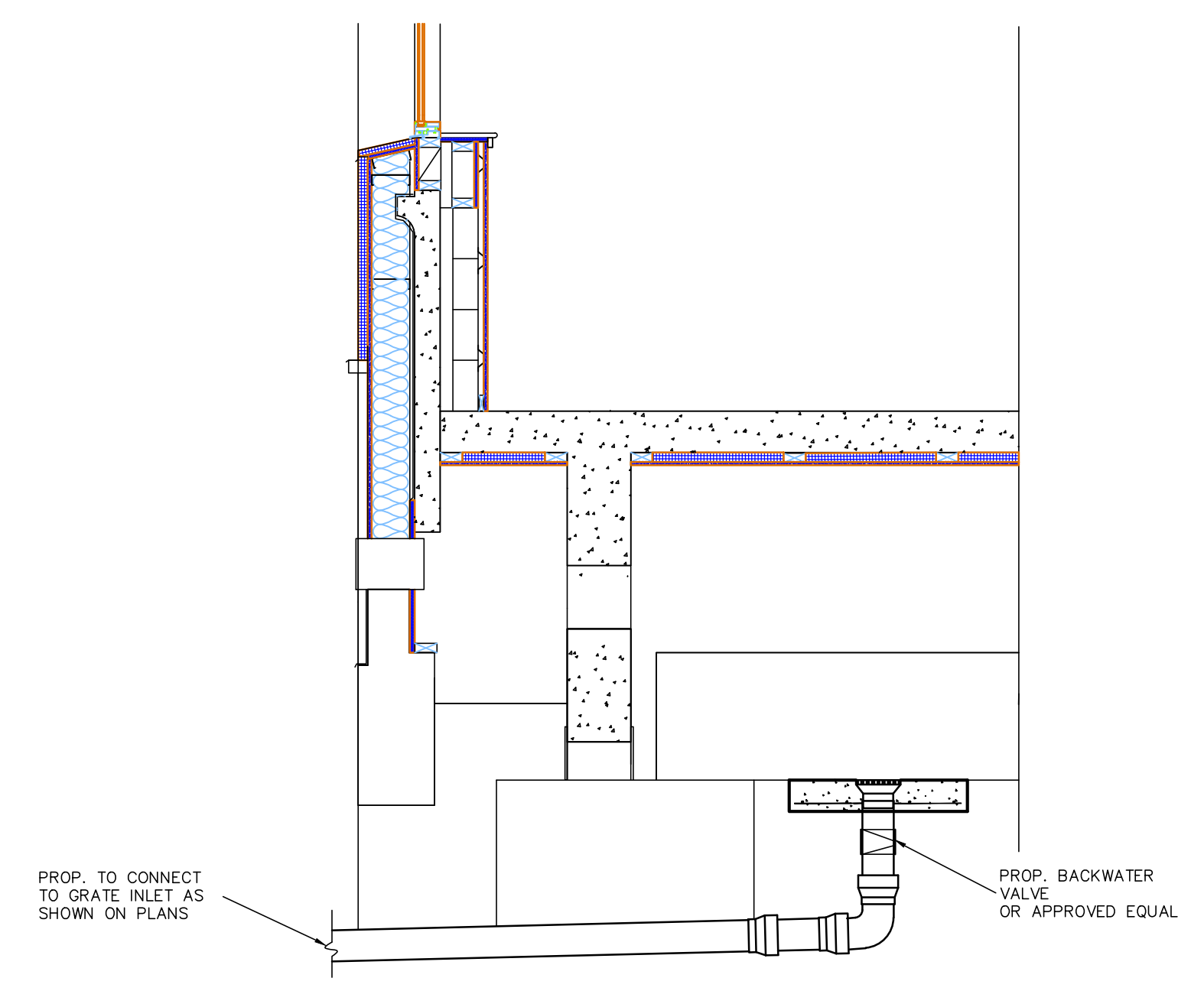
14 HEADWALL DETAIL (N.T.S)



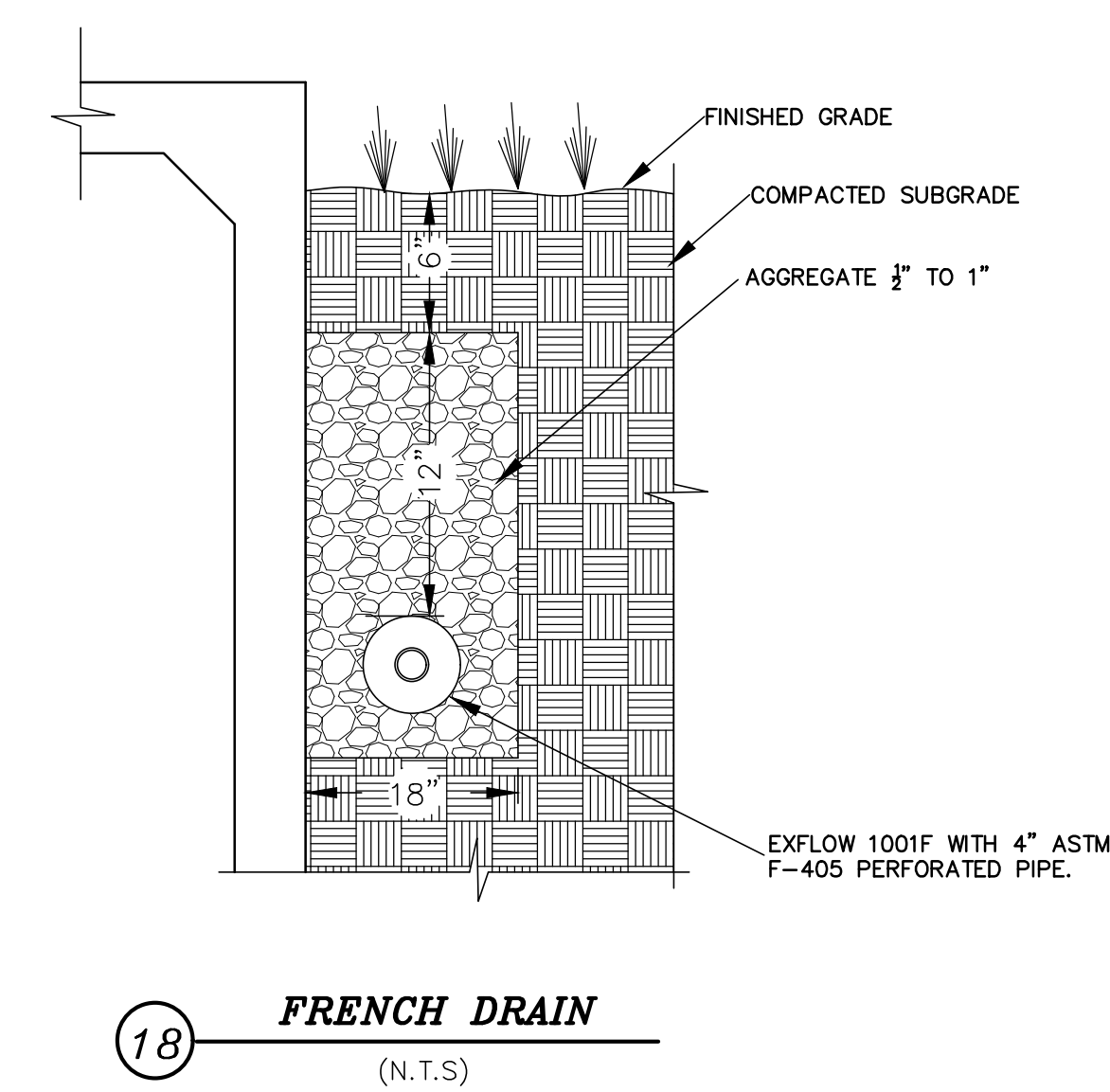
15 CONCRETE SPLASH BOX AT ROOF DRAINS (N.T.S)



16 CURB INLET DETAIL (C) N.T.S.



17 AREA DRAIN AT CRAWL SPACE N.T.S.



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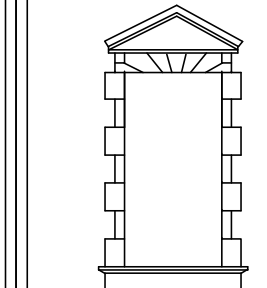
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(956) 350-9196 FAX
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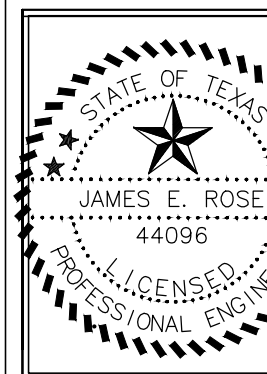
BROWNSVILLE NAVIGATION DISTRICT OF CAMERON COUNTY, TEXAS
PORT of BROWNSVILLE
WORLD CLASS

PROJECT: ADMINISTRATION COMPLEX REHABILITATION AND BUILDING ADDITIONS
OWNER: BROWNSVILLE NAVIGATION DISTRICT
PORT OF BROWNSVILLE
BROWNSVILLE, TEXAS

SHEET TITLE: DETAILS



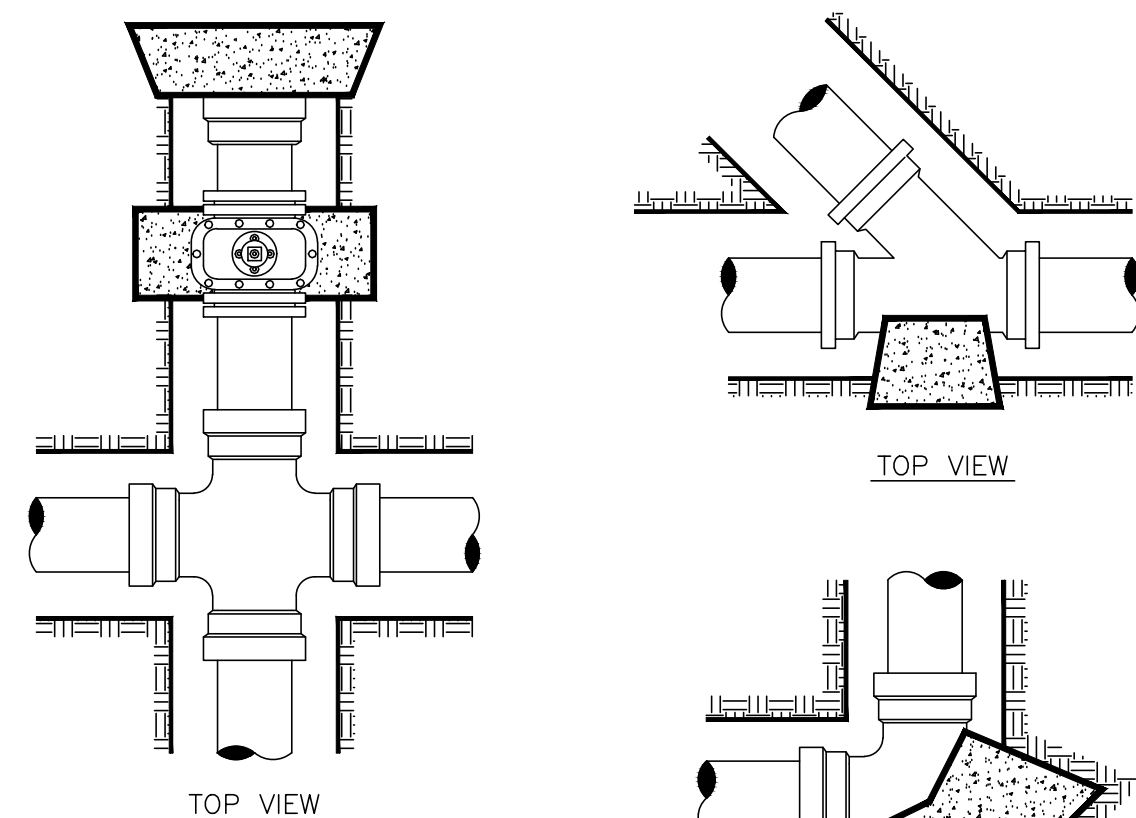
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OWNER: BROWNSVILLE NAVIGATION DISTRICT
PORT OF BROWNSVILLE
BROWNSVILLE, TEXAS

SHEET TITLE:
WATERLINE DETAILS



TOP VIEW

TOP VIEW

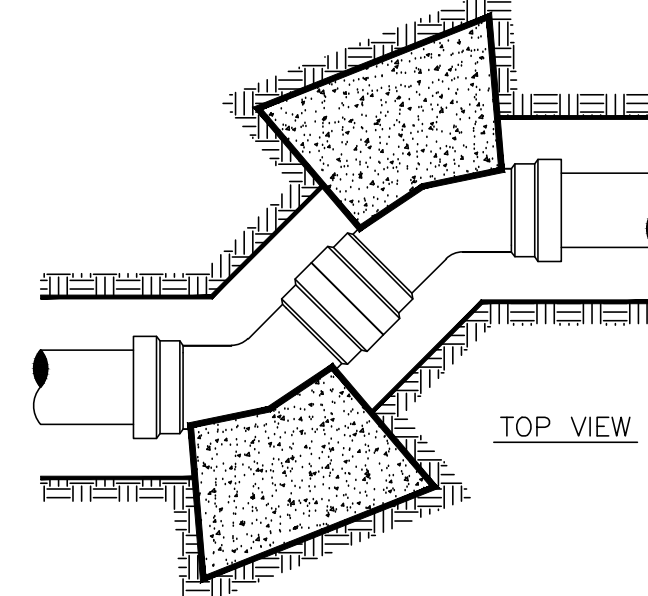
TOP VIEW

TOP VIEW

TOP VIEW

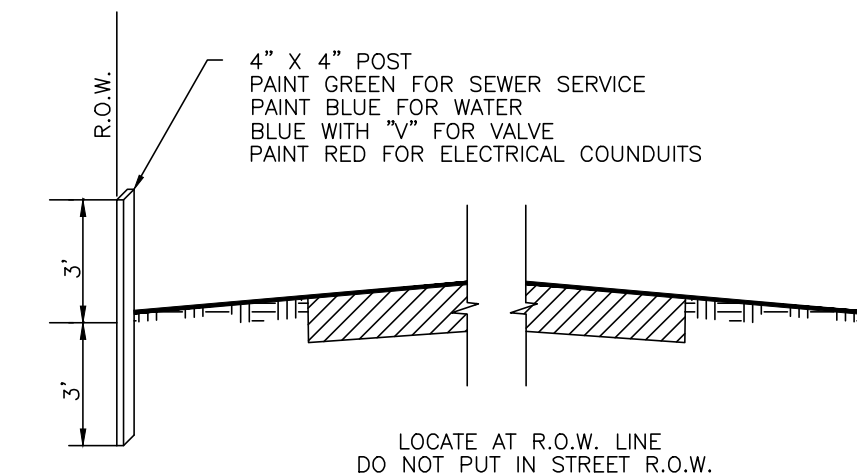
VERTICAL VIEW

TOP VIEW



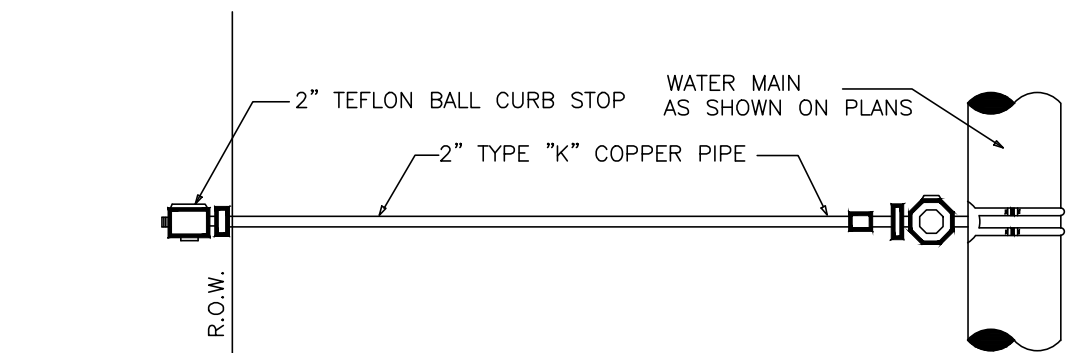
THRUST BLOCK DETAILS

NOT TO SCALE



SERVICE MARKING FOR NO CURB

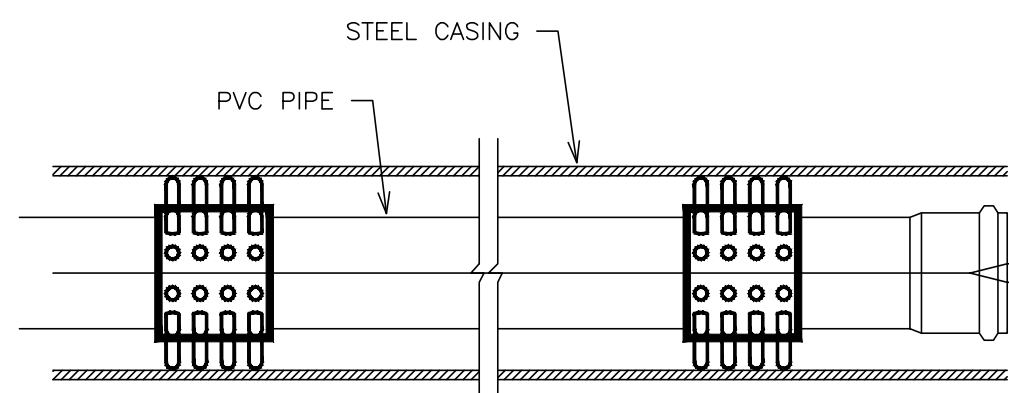
NOT TO SCALE



TYPICAL SINGLE SERVICE CONNECTION

NOT TO SCALE

STEEL CASING WALL THICKNESS CHART	
MINIMUM THICKNESS	DIAMETER OF CASING PIPE
1/4"	12" OR LESS
5/16"	OVER 12"—18"
3/8"	OVER 18"—22"
7/16"	OVER 22"—28"
1/2"	OVER 28"—34"
9/16"	OVER 34"—42"
5/8"	OVER 42"—48"
OVER 48" MUST BE APPROVED BY B.P.U.B.	
NOTE: THIS CHART IS ONLY FOR SMOOTH STEEL CASING PIPES WITH MINIMUM YIELD STRENGTH OF 35,000 PSI	



PVC PIPE CASING & SKIDS

NOT TO SCALE

NOMINAL PIPE SIZE	CASING SIZE	NO. OF SKIDS
6"	12"	4
8"	16"	4
12"	20"	4
16"	24"	5

ALL MJ FITTINGS WILL REQUIRE RESTRAINERS (MEGA LUGS) WITH THRUST BLOCKS

NOTES ON THRUST BLOCKING

1. ALL BLOCKING SHALL BE AGAINST UNDISTURBED HAND DUG SOIL AND SHALL BE CONCRETE HAVING A MINIMUM 28 DAY STRENGTH OF 3000 LBS. PER SQUARE INCH.

2. THRUST CALCULATIONS TO BE BASED ON THRUST DUE TO WATER PRESSURE AT 100% OF TEST PRESSURE. $THRUST = 2 AP \sin 100$ WHERE: A = AREA OF PIPE, P = WATER PRESSURE, θ = DEFLECTION ANGLE.

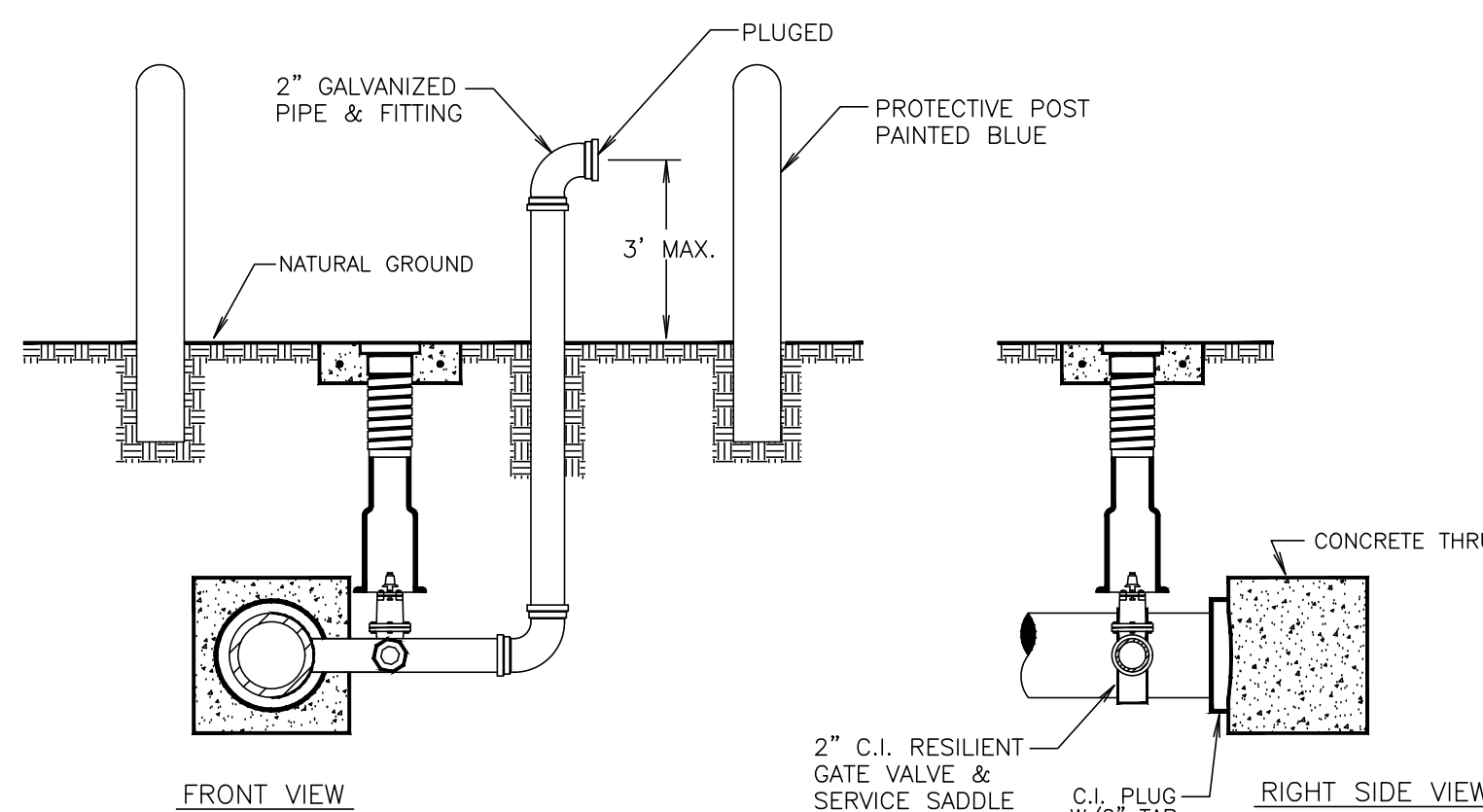
3. VERTICAL UPLIFT BLOCKS SHALL BE DESIGNED ON THE BASIS OF 150 LBS. PER CU. FT. FOR CONCRETE AND SOIL AT 120 LBS. PER CU. FT. OVER THE AREA OF BLOCK.

4. VERTICAL DOWN THRUST BLOCKS SHALL BE DESIGNED ON THE BASIS OF 2000 LBS. PER SQ. FT. ALLOWABLE SOIL BEARING PRESSURE. DIMENSION MAY BE DECREASED WITH APPROVAL OF THE ENGINEER IF MEASURED SOIL CONDITIONS PERMIT. IN POOR SOIL CONDITIONS, BLOCK DIMENSIONS SHALL BE INCREASED IN PROPORTION TO ALLOWABLE BEARING VALUE.

5. THRUST BLOCKS ON HORIZONTAL BENDS, TEES, CROSSES, AND REDUCERS SHALL BE SIZED BASED ON 24000 LBS. PER SQ. FT. OF BLOCKING SURFACE AREA IN CONTACT WITH UNDISTURBED SOIL. BLOCK DIMENSIONS MAY BE DECREASED WITH APPROVAL OF THE ENGINEER IF MEASURED SOIL CONDITIONS PERMIT. IN POOR SOIL CONDITIONS, BLOCK DIMENSIONS SHALL BE INCREASED IN PROPORTION TO THE ALLOWABLE BEARING VALUE.

6. ALL BLOCKING SHALL HAVE A MINIMUM SOIL COVER OF 1 FT.

7. ADDITIONAL REINFORCING MAY BE REQUIRED FOR HORIZONTAL BLOCKING TO HANDLE UNUSUAL SHEAR LOADING CONDITIONS.



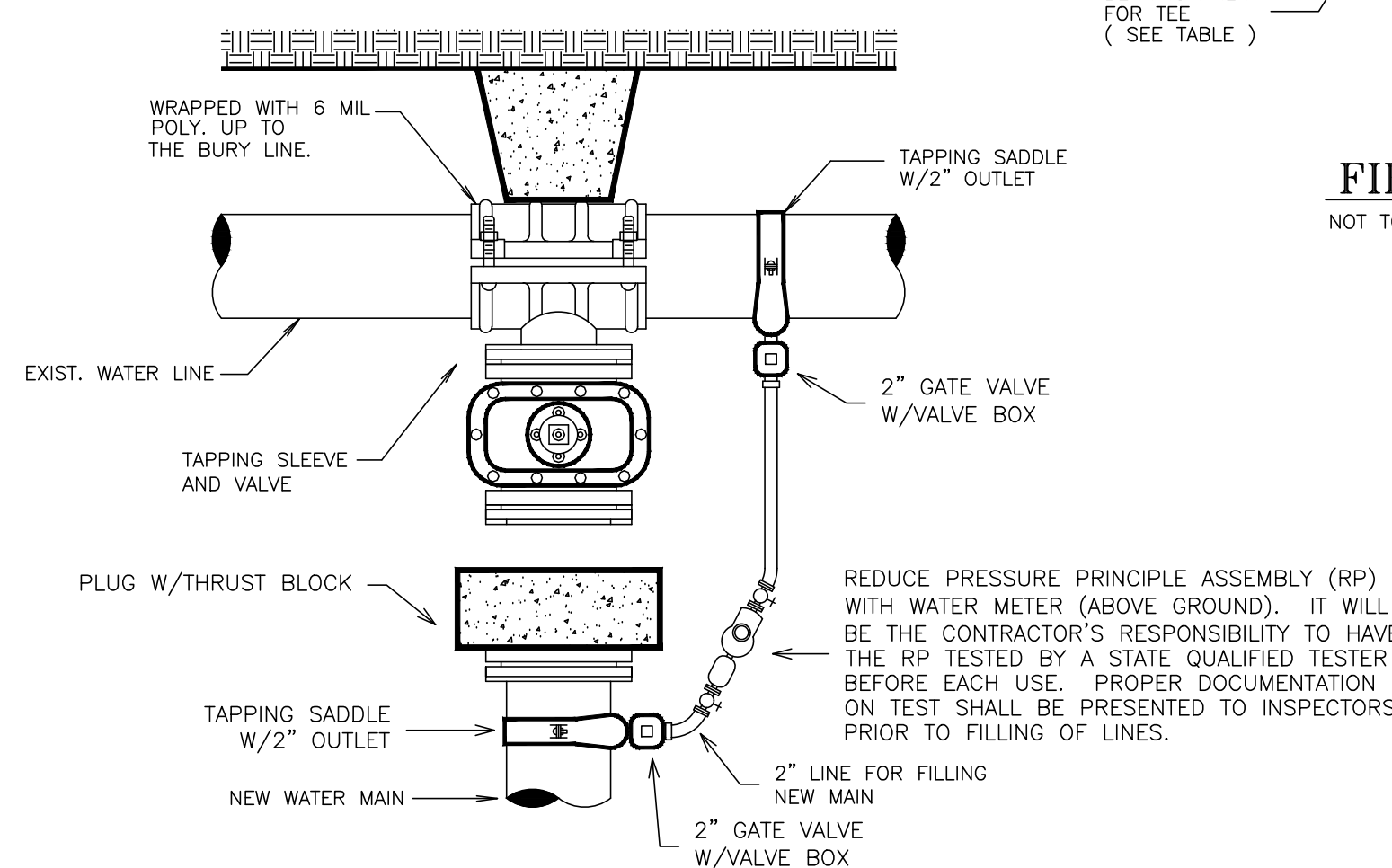
TEMP: DEAD END BLOWOFF

NOT TO SCALE

NOTE:

1. A BLOWOFF TAP, AS SHOWN ON THE DETAIL HEREON, SHALL BE PROVIDED AT ALL DEAD ENDS FOR RELEASING TRAPPED AIR TO AID IN FLUSHING, AND FOR SAMPLING FOR TESTING.
2. CONCRETE THRUST BLOCKS SHALL BE REQUIRED AT PLUGS, AS WELL AS AT ALL OTHER LOCATIONS AS NOTED HEREON.

PIPE SIZE	GENERAL DATA FOR BLOCKING STANDARD FITTING					
	THRUST IN TONS EXERTED AT PLUGS, TEES AND BENDS FOR EACH 100 LBS. PER SQ. IN. OF TEST PRESSURE.					
	PLUG	TEE	90° BEND	45° BEND	22-1/2° BEND	11-1/4° BEND
4"	0.63	0.63	0.89	0.48	0.25	0.12
6"	1.40	1.40	2.00	1.08	0.55	0.28
8"	2.50	2.50	3.55	1.92	0.98	0.49
10"	3.93	3.93	5.55	3.00	1.53	0.77
12"	5.65	5.65	8.00	4.33	2.21	1.11
14"	7.70	7.70	10.88	5.89	3.00	1.51
16"	10.05	10.05	14.21	7.69	3.85	1.97
18"	12.70	12.70	17.99	9.74	4.96	2.49
20"	15.71	15.71	22.22	12.02	6.13	3.08
24"	22.67	22.67	32.00	17.31	8.83	4.43
27"	28.63	28.63	40.48	21.91	11.17	5.61
30"	35.35	35.35	50.00	27.08	13.79	6.93
36"	50.90	50.90	72.98	38.95	19.89	9.98
42"	69.27	69.27	97.97	53.02	27.03	13.58
48"	90.48	90.48	127.96	69.25	35.30	17.74
54"	114.51	114.51	161.94	87.64	44.68	22.45



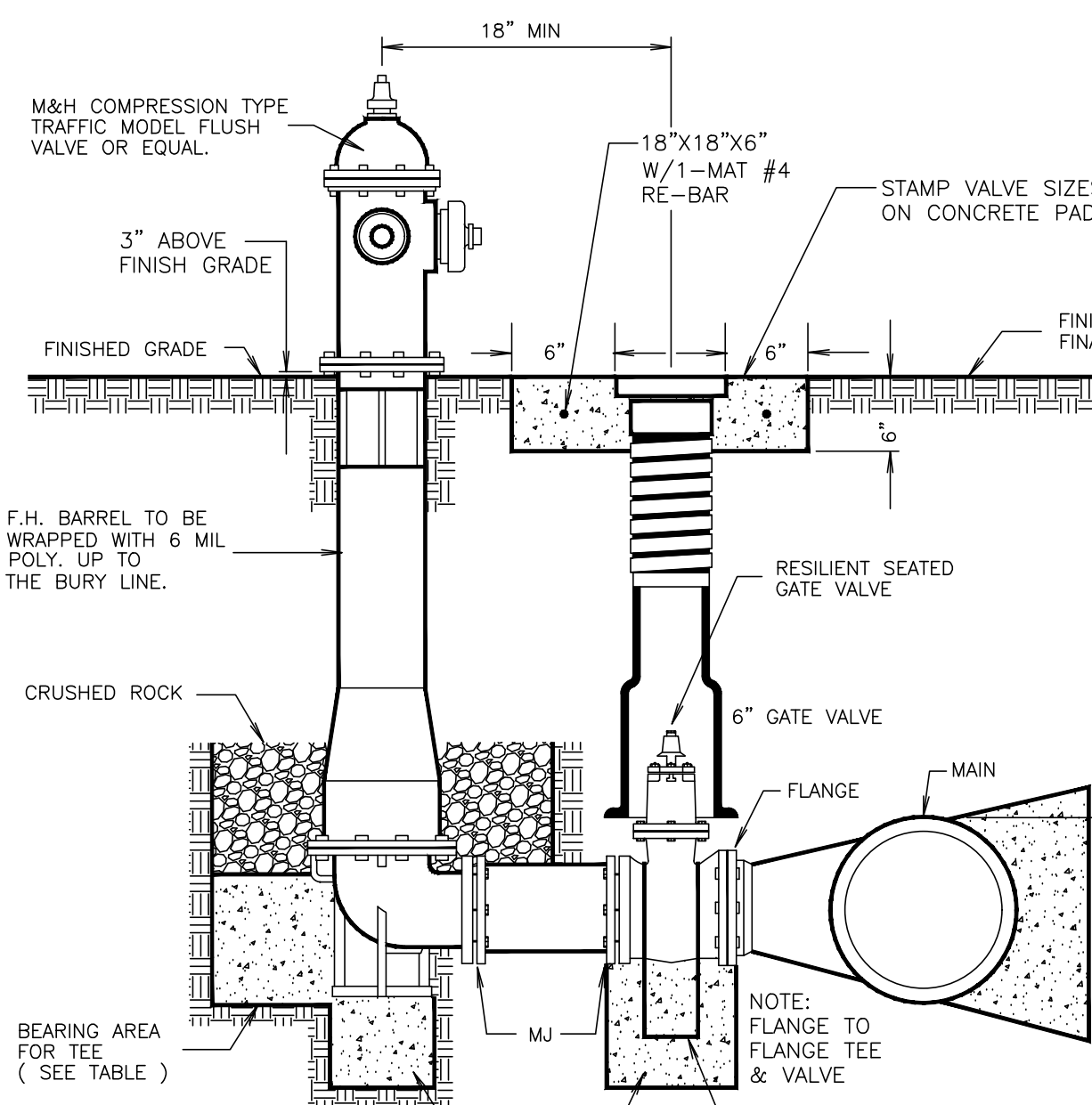
METHOD FOR FILLING AND FLUSHING NEW WATER LINES

NOT TO SCALE

NOTE:

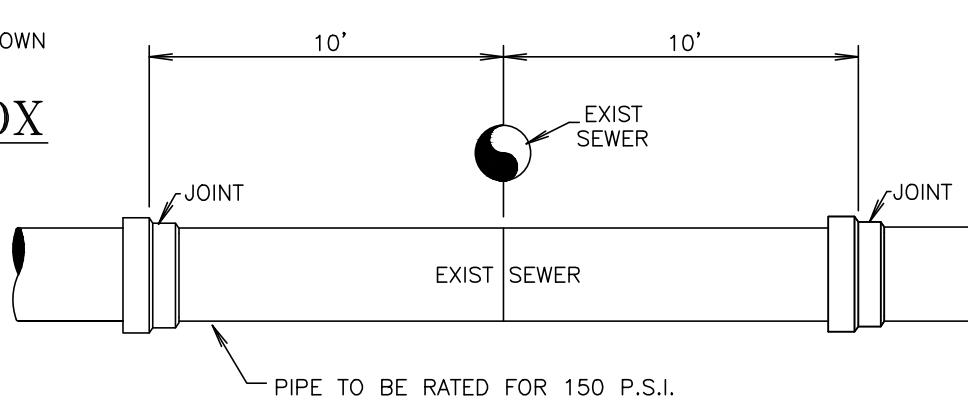
WATER USAGE FOR ALL INITIAL TESTING WILL NOT BE BILLED TO THE CONTRACTOR. ANY RE-TESTING NEEDED WILL BE THE RESPONSIBILITY OF THE CONTRACTOR INCLUDING PAYMENT OF ADDITIONAL WATER NEEDED. CONTRACTOR WILL BE ALLOWED TO FLUSH THE WATERLINE INITIALLY FOR A MAXIMUM OF 12-24 HRS. OR AS DETERMINED BY THE ENGINEER. IF FLUSHING IS DETERMINED TO BE LONGER, THE ENGINEER WILL BE REQUIRED TO SUPPLY THE PROPER DOCUMENTATION AND CALCULATIONS TO SUPPORT SUCH FINDINGS.

AMOUNT OF FLOW TO BE USED FOR FLUSHING WILL BE MONITORED AND REGULATED BY THE BPUB INSPECTORS. CONTRACTOR WILL NOT BE ALLOWED TO TIE-IN TO EXISTING WATER LINE UNTIL ALL TEST ON NEW LINES HAVE BEEN COMPLETED AND APPROVED.



FIRE HYDRANT VALVE & BOX

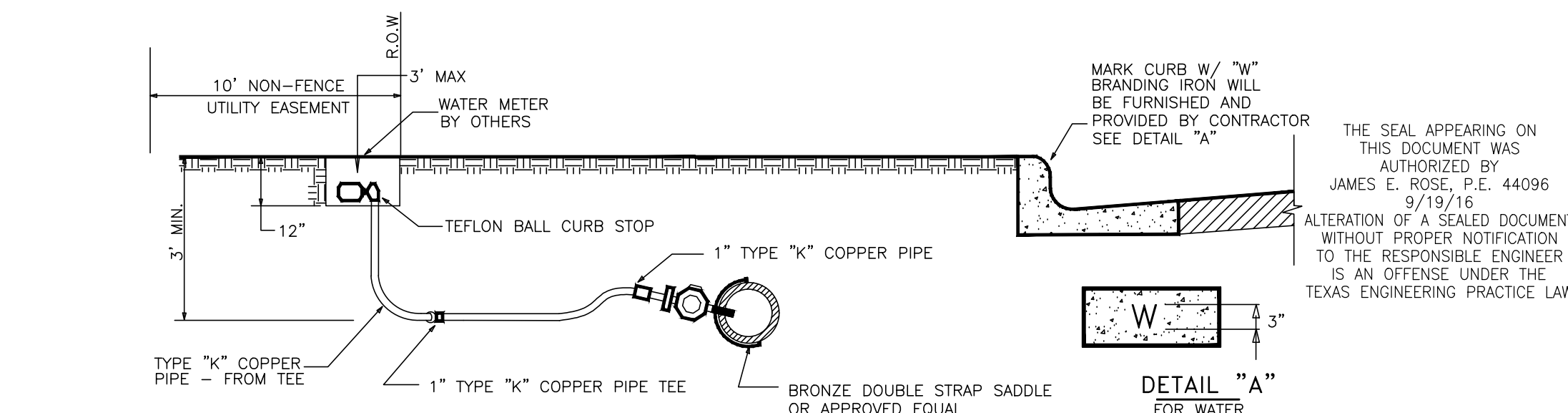
NOT TO SCALE



ADJUSTMENTS

NOT TO SCALE

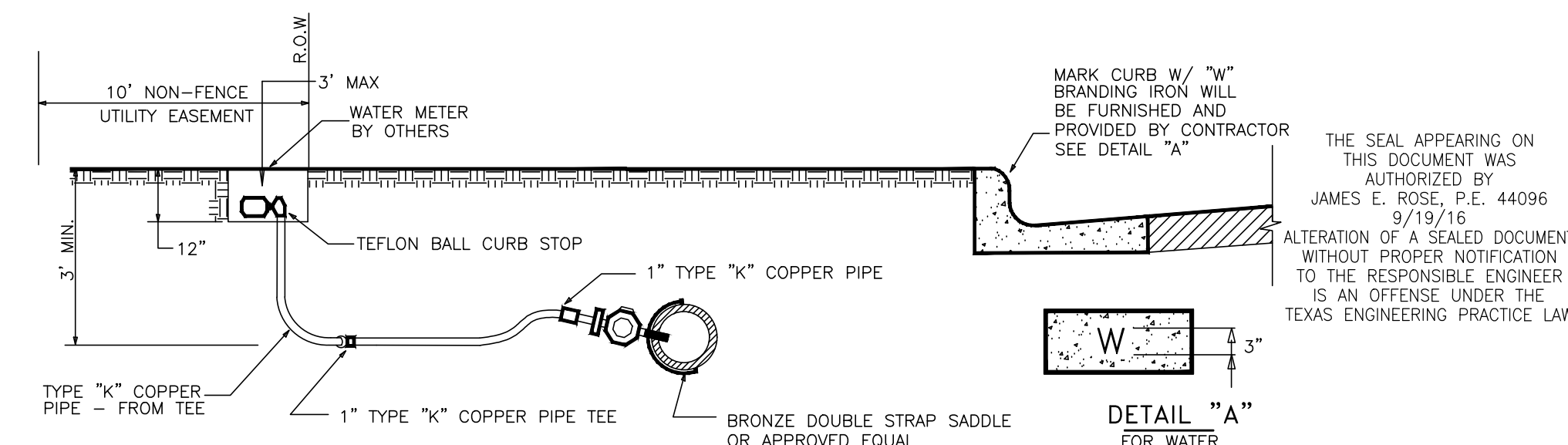
SPECIAL CONDITION LINE ADJUSTMENTS
5/8" GALV. ALL THREAT RODS WITH EYELET BOLTS FOR ASSEMBLY WITH THRUST BLOCKS



TYPICAL LONG SERVICE

NOT TO SCALE

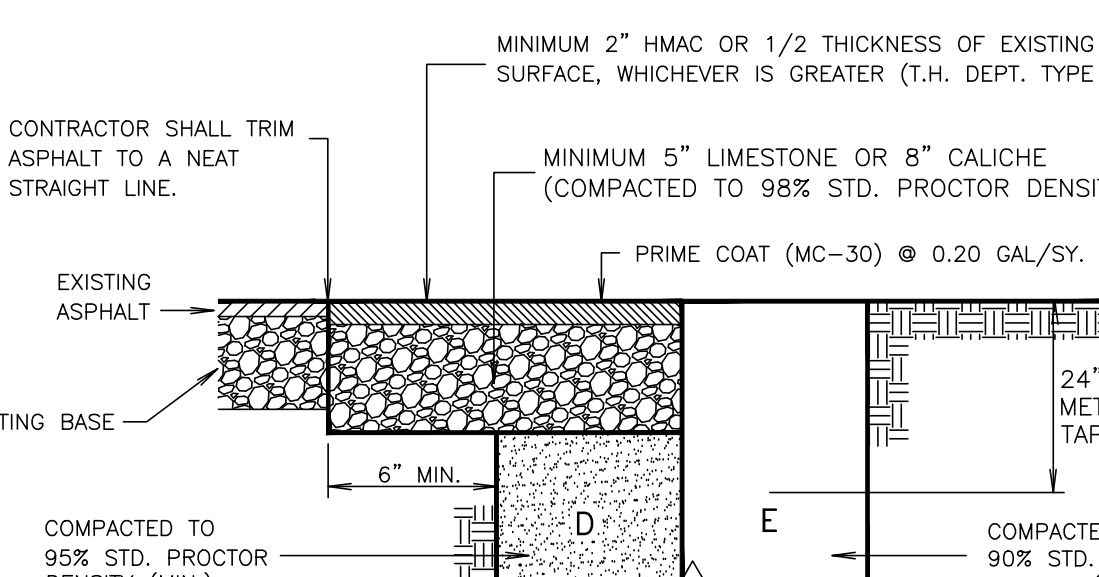
- NOTE:
1. USE 3/4" TYPE "K" COPPER PIPE FOR SINGLE SERVICE CONNECTION
 2. 3/4" MIN. COVER FOR 3/4" THRU 2" SERVICES
 3. MARK CURB W/"W" AT WATER VALVE LOCATIONS, BRANDING IRON WILL BE FURNISHED AND PROVIDED BY CONTRACTOR



TYPICAL SHORT SERVICE

NOT TO SCALE

- NOTE:
1. USE 3/4" TYPE "K" COPPER PIPE FOR SINGLE SERVICE CONNECTION



TYPICAL PIPE BEDDING AND TRENCH BACKFILL DETAIL

NOT TO SCALE

A SAND BEDDING PLACED BEFORE PIPE IS LAID UP TO FLOW LINE OF PIPE (MIN. THICKNESS = 6").

B SAND BACKFILL PLACED AFTER PIPE IS LAID FROM BOTTOM OF PIPE TO SPRING LINE OF PIPE (4" LIFTS, HAND TAMPED).

C SAND BACKFILL PLACED FROM SPRING LINE OF PIPE TO 6" ABOVE TOP OF PIPE (6" LIFTS, HAND TAMPED).

D SAND BACKFILL, CLASS "A" (6" LIFTS, MECHANICAL COMPACTION).

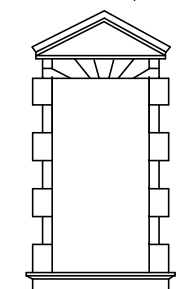
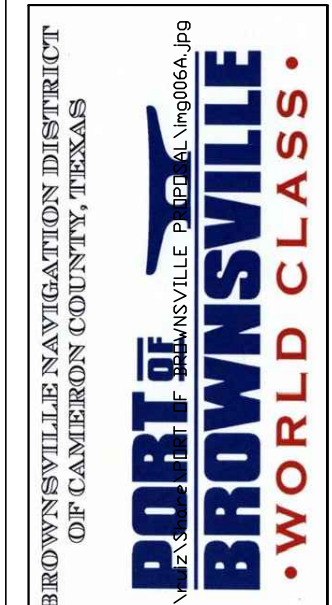
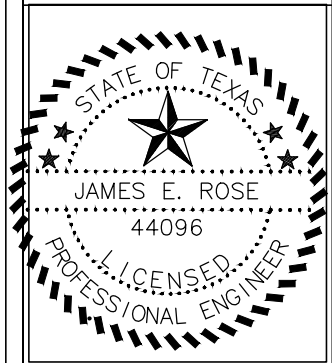
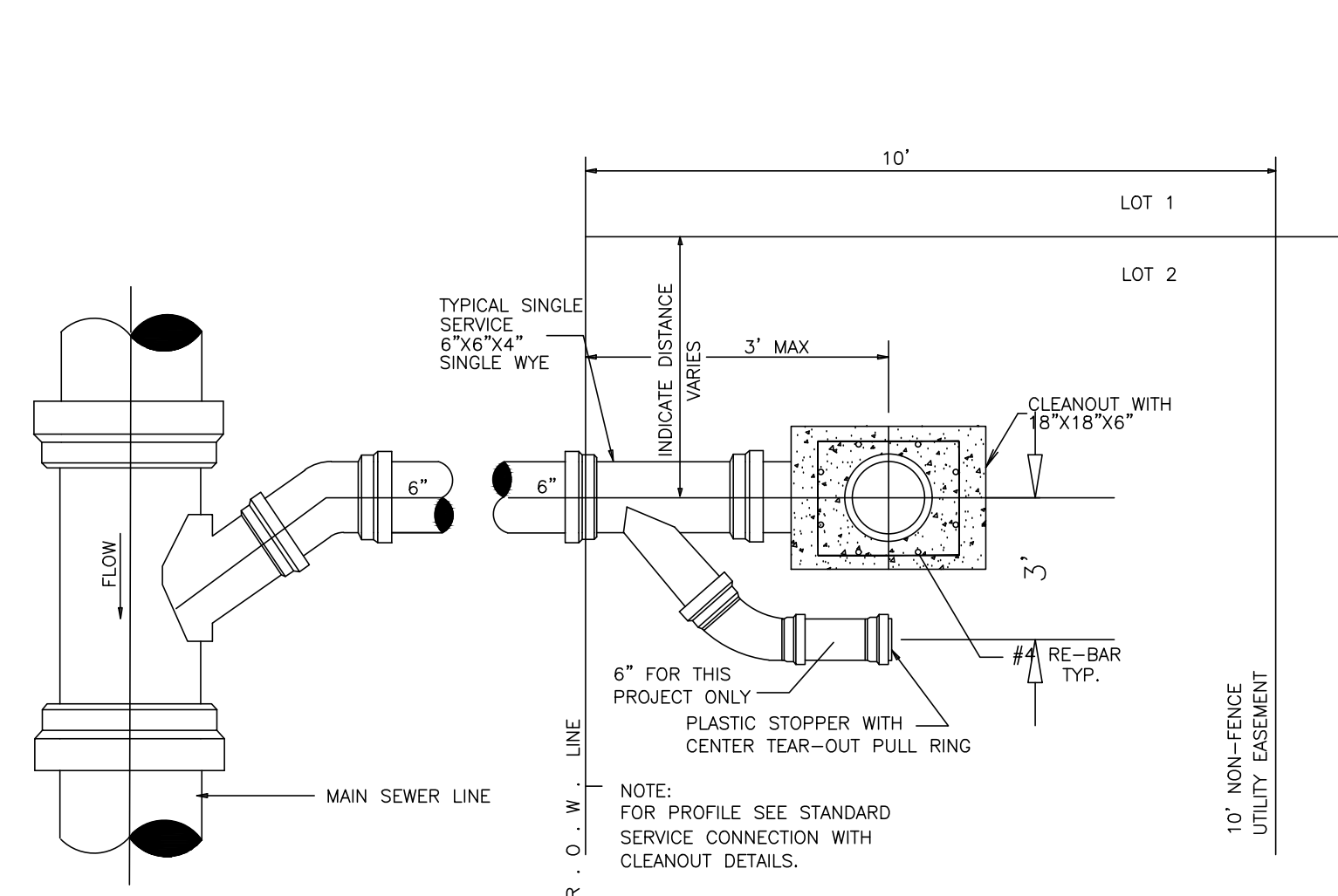
E EARTH BACKFILL, CLASS "B" (12" LIFTS, MECHANICAL COMPACTION).

FOUNDATION PREPARATION (WELLPONTS, GRAVEL OR CEMENT STABILIZATION, OR APPROVED SUBSTITUTE) SHALL BE REQUIRED WHEN TRENCH BOTTOM IS UNSTABLE.

BACKFILLING AT STRUCTURES SHALL BE PLACED IN UNIFORM LAYERS, MOISTENED AS REQUIRED TO APPROXIMATE OPTIMUM MOISTURE CONTENT, AND COMPACTED TO 95% STD. PROCTOR DENSITY. THE THICKNESS OF EACH LOOSE LAYER SHALL NOT EXCEED 6". STRUCTURE BACKFILL MATERIAL SHALL BE SAND, APPROVED SITE SOIL, OR OTHER APPROVED SUBSTITUTE.

Mejia & Rose, Incorporated

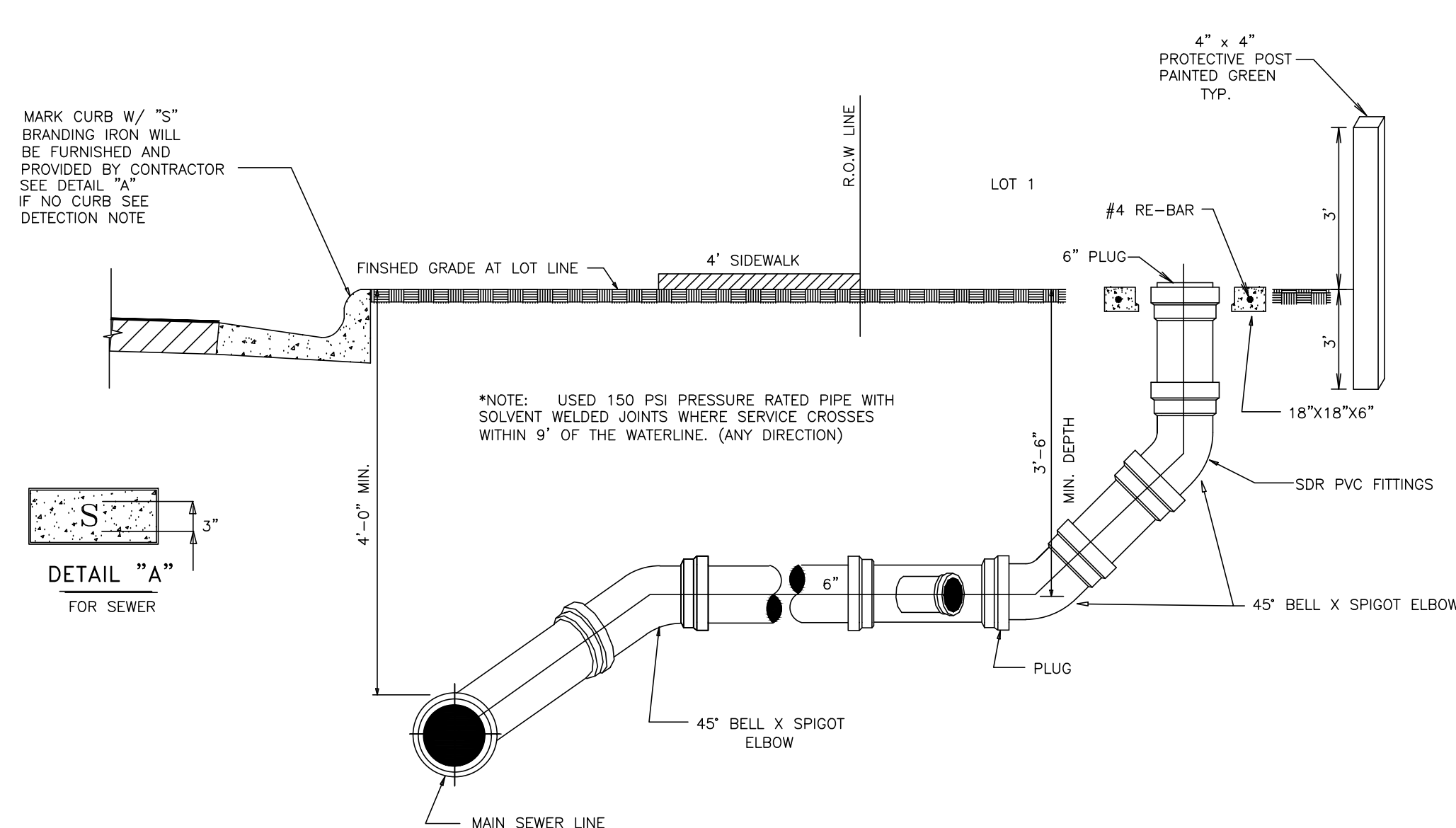
Engineering Surveying
T.B.P.E. Reg. No. F-2670
T.B.P.L.S. Reg. No. 10023900
1643 West Price Road (956) 544-3022
P.O. Box 3761 Brownsville, Texas 77520
Fax (956) 544-3068

615 W. TANDY ROAD
BROWNSVILLE, TEXAS 77820
(956) 350-9195 OFFICE
(956) 350-9196 FAX
ARCHRUJ2@AOL.COMPROJECT: ADMINISTRATION COMPLEX
REHABILITATION AND BUILDING ADDITIONS
OWNER: BROWNSVILLE NAVIGATION DISTRICT
PORT OF BROWNSVILLE
BROWNSVILLE, TEXASSHEET TITLE:
SEWER DETAILS

PLAN - SINGLE SERVICE

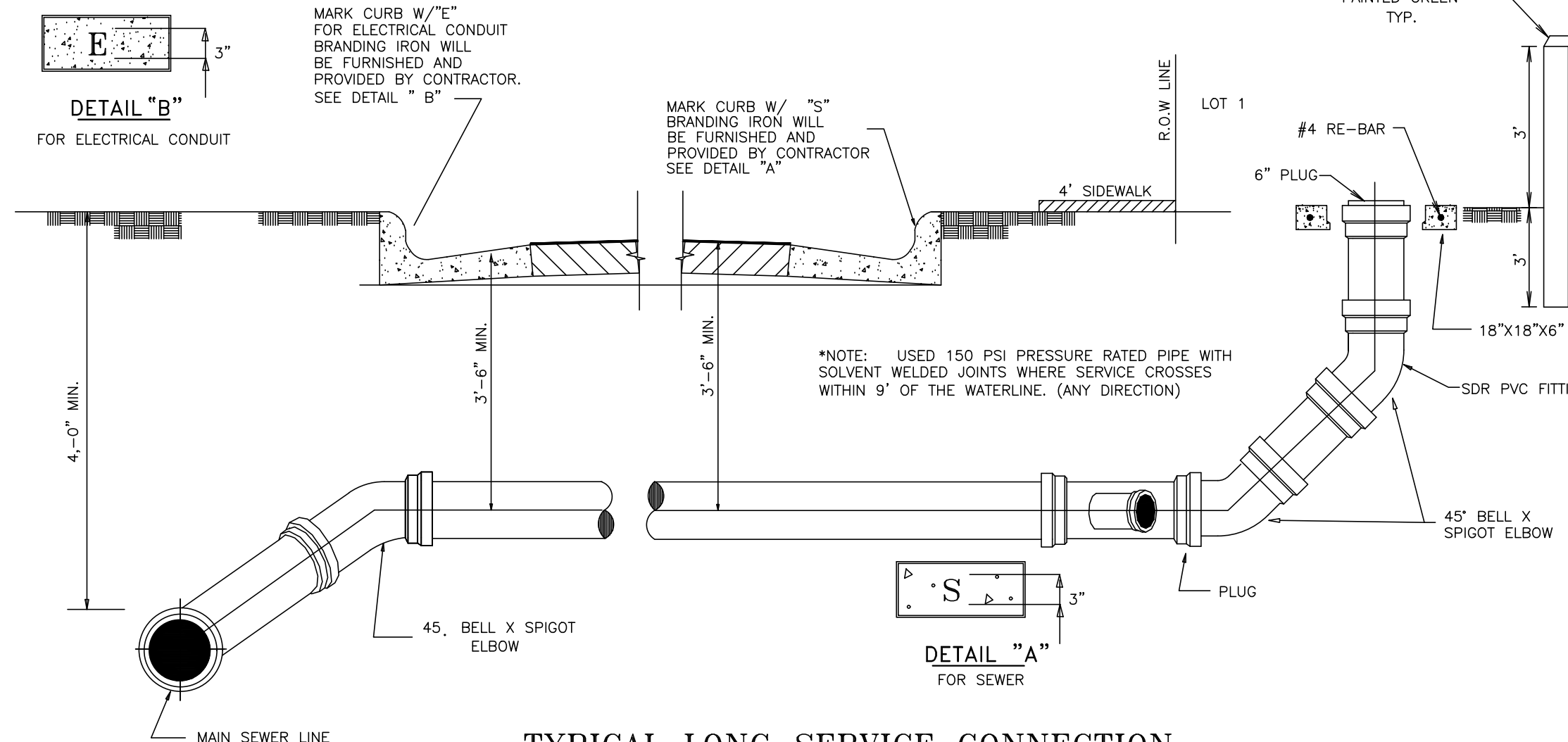
NOT TO SCALE

*NOTE: CONTRACTOR SHALL COORDINATE WITH INSPECTOR ON THE LOCATION OF ALL SERVICE LATERALS.

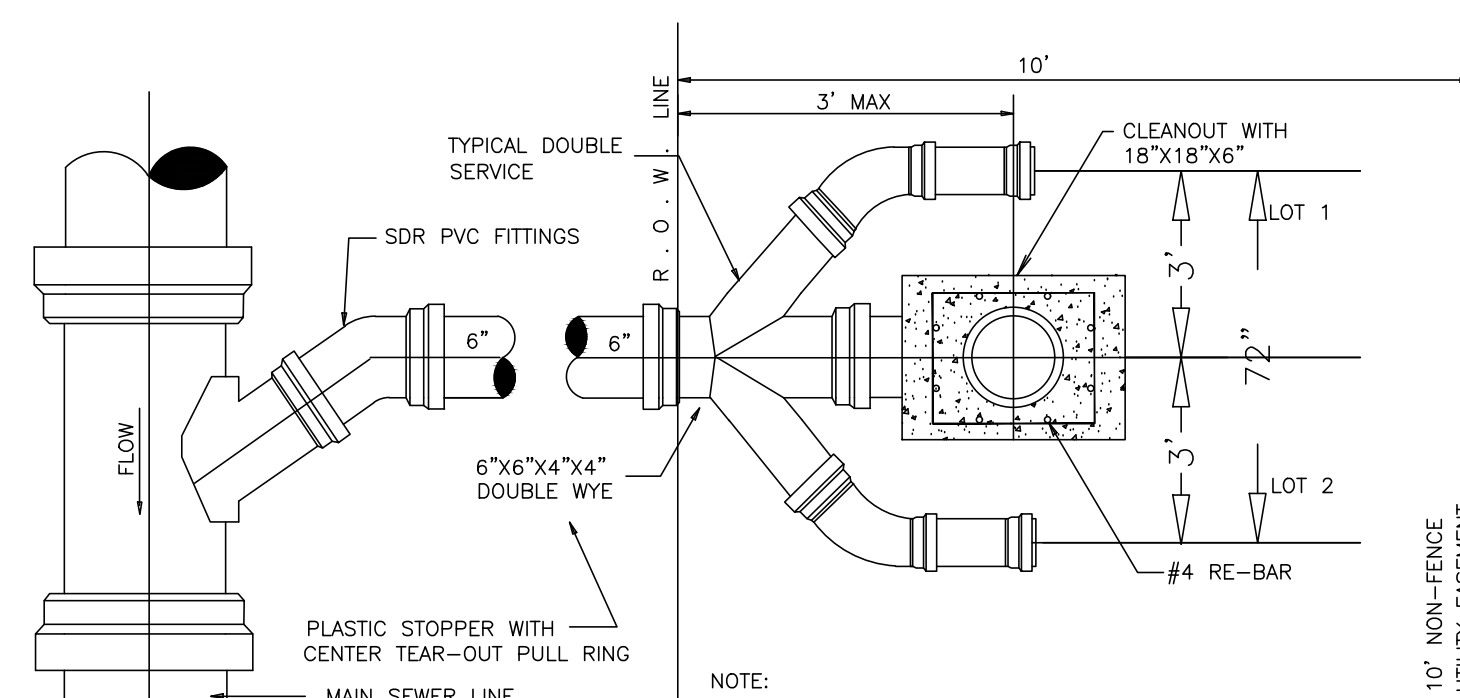
DETECTION NOTE:
A SOUND DETECTION REFLECTOR "3TU-DEC-1A-CAL" BY PRIPCO, INC. OR AN APPROVED SUBSTITUTE, WILL BE FASTENED TO THE END OF EACH SERVICE CONNECTION AND EXTENDED TO BE VISIBLE ABOVE FINAL GRADE TO FACILITATE LOCATING SERVICE STUBS.TYPICAL SHORT SERVICE CONNECTION
WITH STANDARD CLEANOUT

NOT TO SCALE

*NOTE: CONTRACTOR SHALL COORDINATE WITH INSPECTOR ON THE LOCATION OF ALL SERVICE LATERALS.

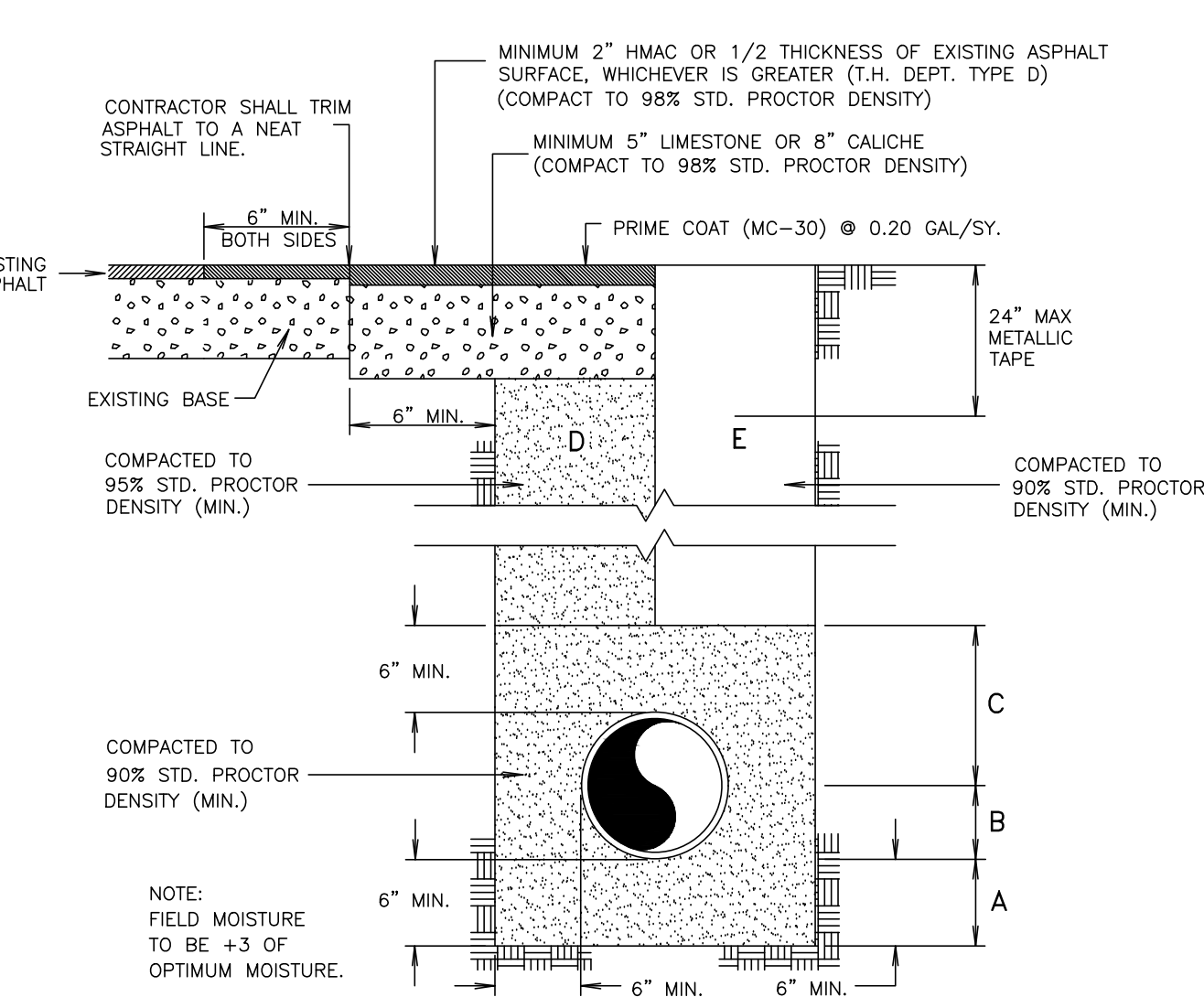
TYPICAL LONG SERVICE CONNECTION
WITH STANDARD CLEANOUT

NOT TO SCALE



PLAN - DOUBLE SERVICE NEW DEVELOPMENT

NOT TO SCALE

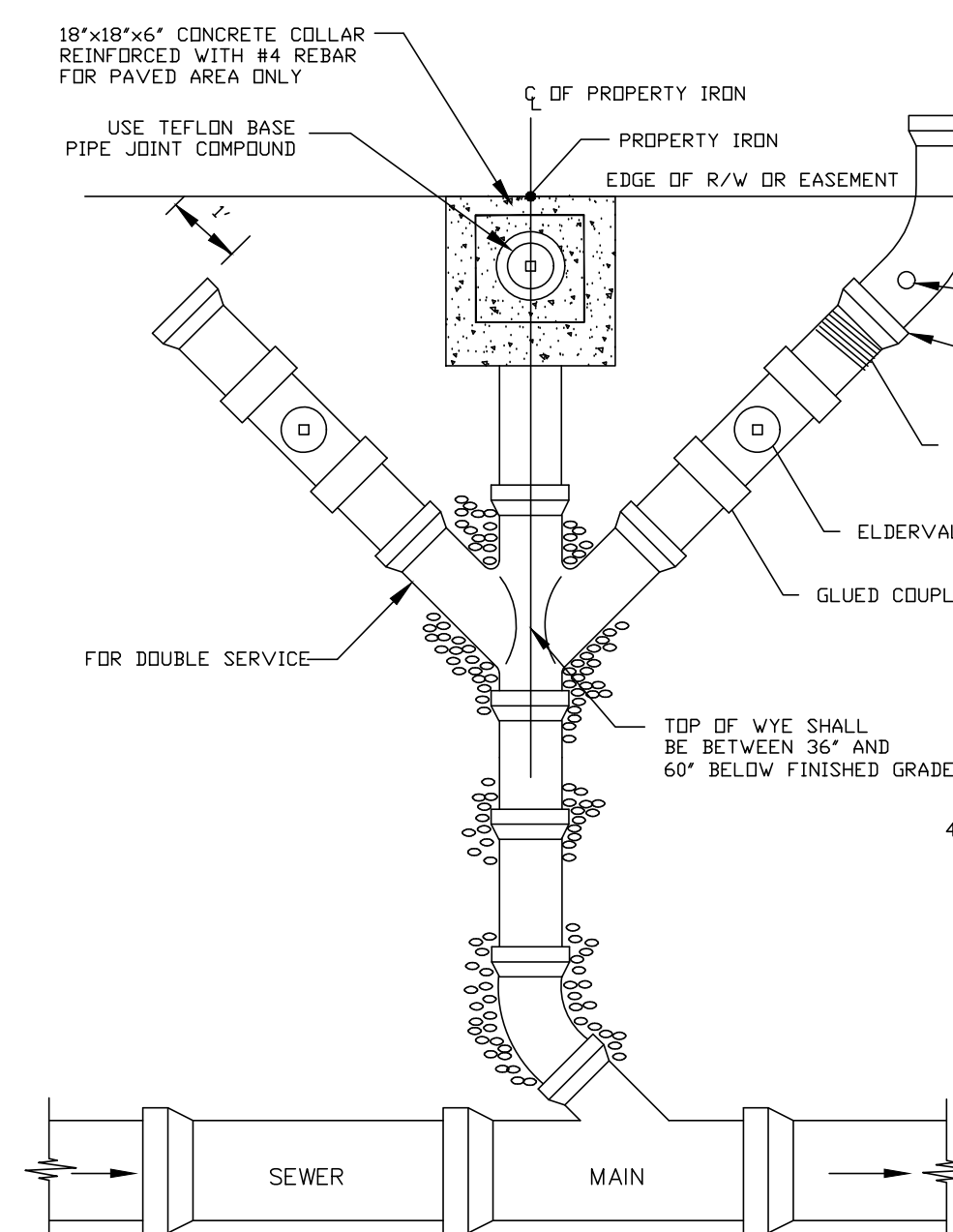
TYPICAL PIPE BEDDING AND
TRENCH BACKFILL DETAIL

NOT TO SCALE

- A SAND BEDDING PLACED BEFORE PIPE IS LAID OUT TO FLOW LINE OF PIPE (MIN. THICKNESS = 6").
- B SAND BACKFILL PLACED AFTER PIPE IS LAID FROM BOTTOM OF PIPE TO SPRING LINE OF PIPE (4" LIFTS, HAND TAMPED).
- C SAND BACKFILL PLACED FROM SPRING LINE OF PIPE TO 6" ABOVE TOP OF PIPE (6" LIFTS, HAND TAMPED).
- D SAND BACKFILL, CLASS "A" (6" LIFTS, MECHANICAL COMPACTION).
- E EARTH BACKFILL, CLASS "B" (12" LIFTS, MECHANICAL COMPACTION).

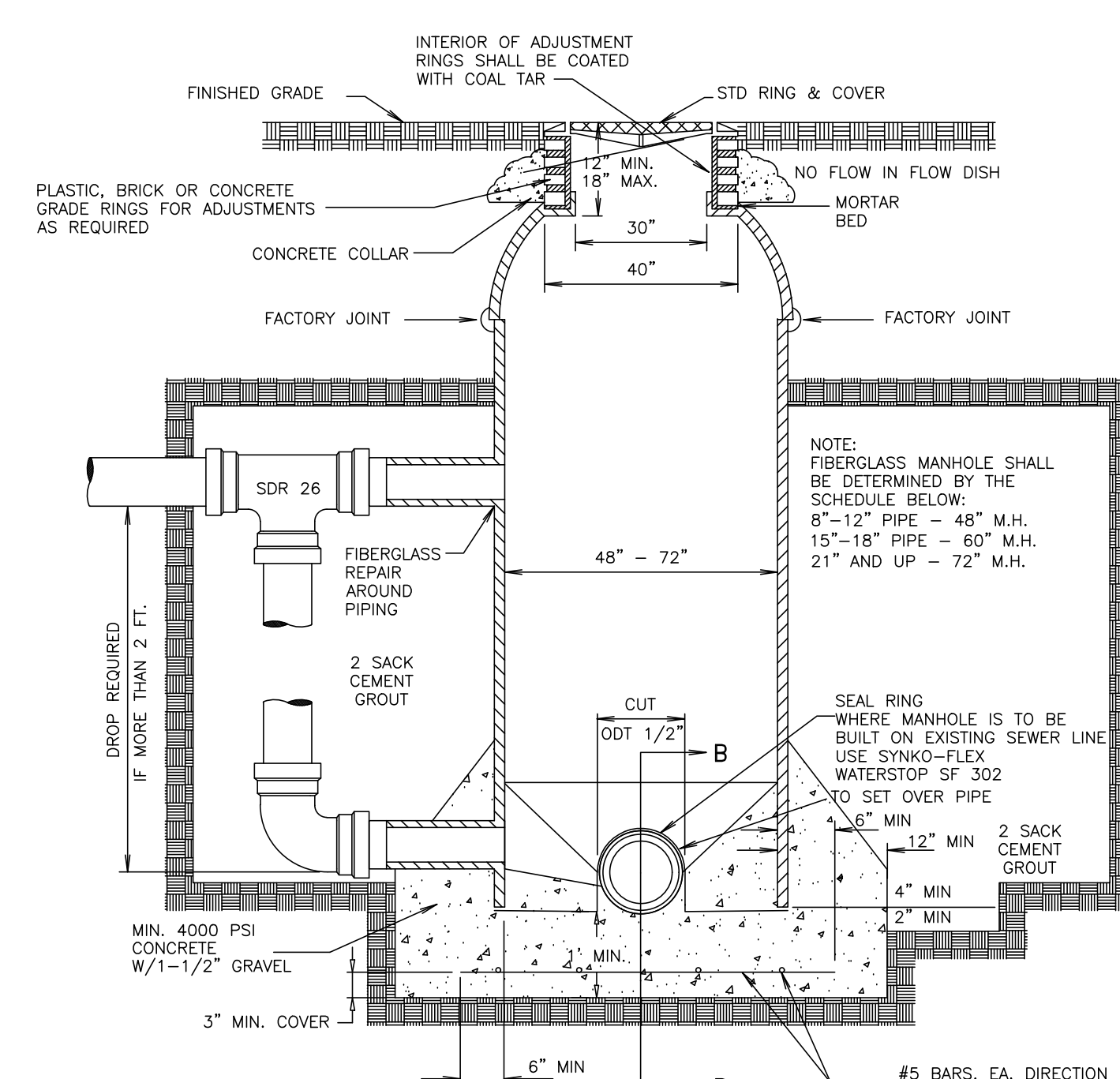
FOUNDATION PREPARATION (WELLPONTS, GRAVEL OR CEMENT STABILIZATION, OR APPROVED SUBSTITUTE) SHALL BE REQUIRED WHEN TRENCH BOTTOM IS STABLE.

BACKFILL AT STRUCTURES SHALL BE PLACED IN UNIFORM LAYERS, MOISTENED AS REQUIRED TO APPROXIMATE OPTIMUM MOISTURE CONTENT, AND COMPACTED TO 90% STD. PROCTOR DENSITY. THE THICKNESS OF EACH LOOSE LAYER SHALL NOT EXCEED 6". STRUCTURE BACKFILL MATERIAL SHALL BE SAND, APPROVED SITE SDR, OR OTHER APPROVED.

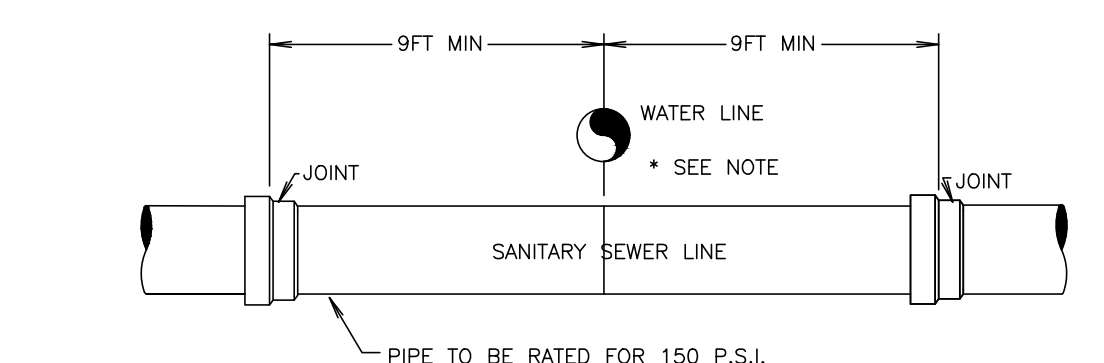


SEWER SERVICE WITH ELDERVALVE

(USE ONLY FOR SEWER SERVICE THAT CPW DOES NOT PROVIDE THE WATER SERVICE)

TYPICAL FIBERGLASS MANHOLE
WITH DROP STRUCTURE
SECTION A-A

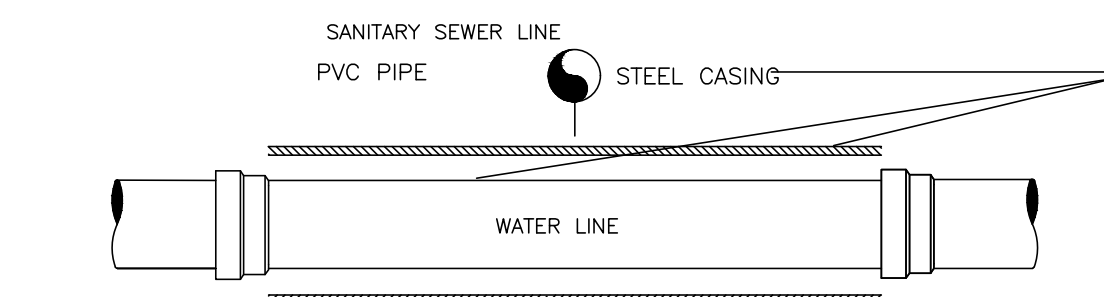
NOT TO SCALE



TYPICAL WATER & SEWER LINE CROSSING

NOT TO SCALE

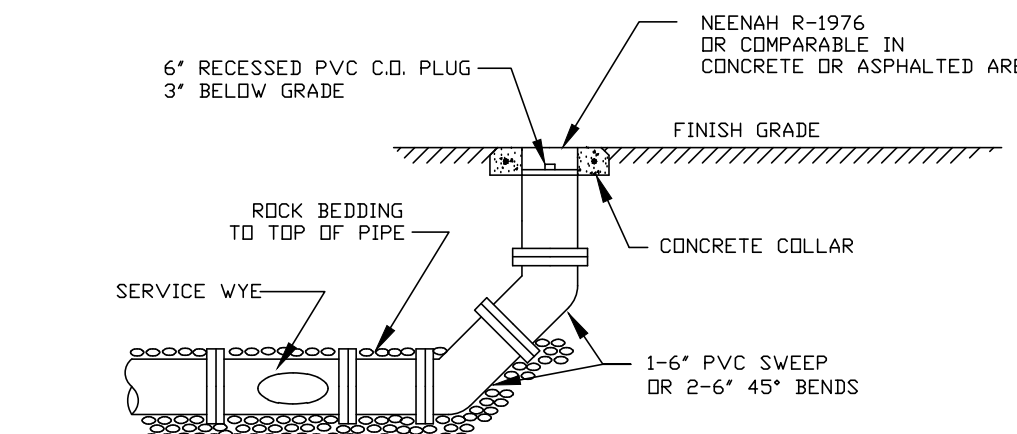
* NOTE: 2 FT. MIN. ELEVATION SEPARATION BETWEEN WATER AND SEWER MAINS. IF UNABLE, ENCASUREMENT REQUIRED. ENCASUREMENT CAN BE STEEL CASING OR CONCRETE PIPE.



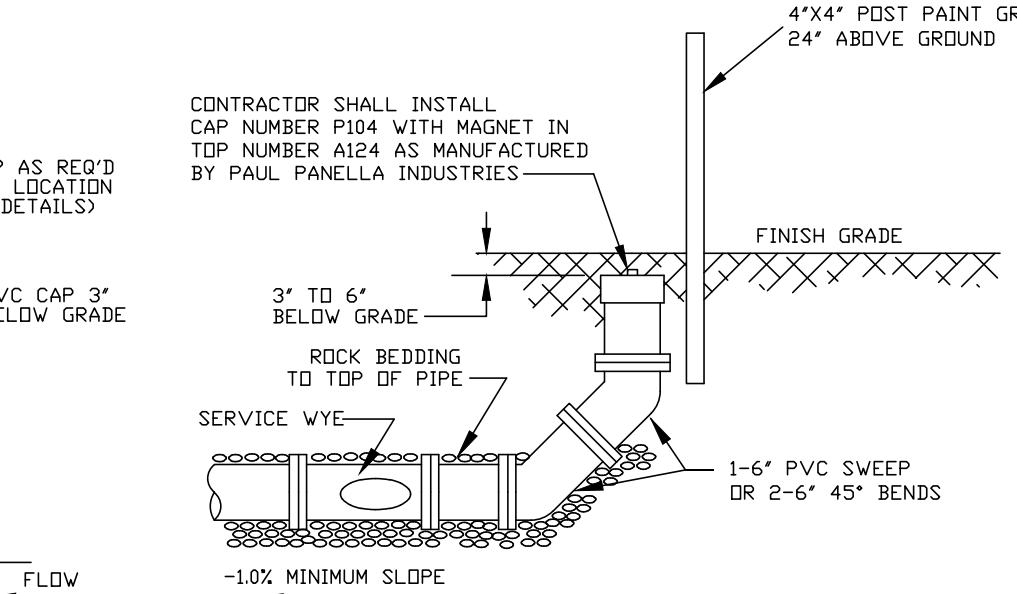
TYPICAL FIBERGLASS MANHOLE IN PAVEMENT

SECTION C-C

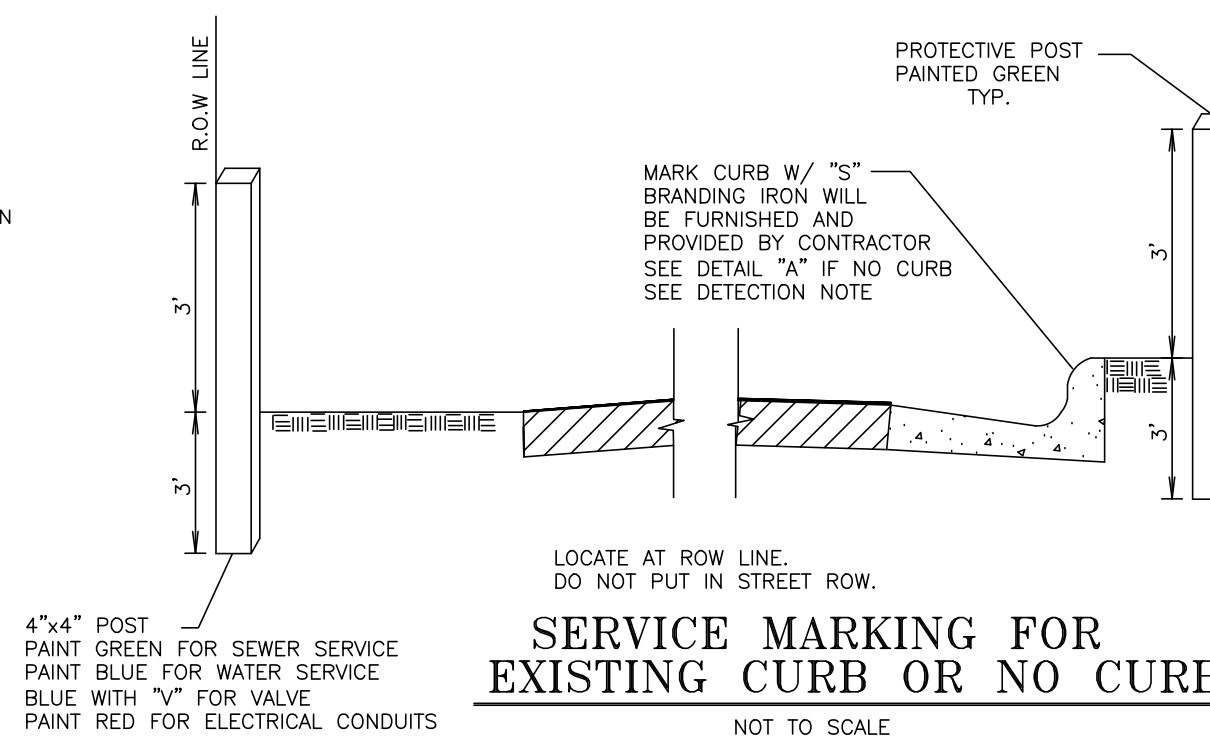
NOT TO SCALE



CLEANOUT IN PAVEMENT



CLEANOUT IN LANDSCAPED AREA

SERVICE MARKING FOR
EXISTING CURB OR NO CURB

NOT TO SCALE

NOTE:
THE ENGINEER/CONTRACTOR SHALL PROVIDE BPUB WITH "CUT-SHEETS"
PRIOR TO APPROVAL FOR BEGINNING CONSTRUCTION PROJECTS. THE
"CUT-SHEETS" WILL BE USED TO VERIFY PIPE ELEVATIONS.

Mejia & Rose, Incorporated

Engineering Surveying

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