UNITED STATES OF AMERICA
BEFORE THE
FEDERAL ENERGY REGULATORY COMMISSION

Klamath River Renewal Corporation	**Project Nos. 14803-001;**
PacifiCorp	**2082-063**

AMENDED APPLICATION FOR SURRENDER OF LICENSE FOR MAJOR PROJECT AND REMOVAL OF PROJECT WORKS

EXHIBIT R
100% Design Report
(Part 6 of 12)

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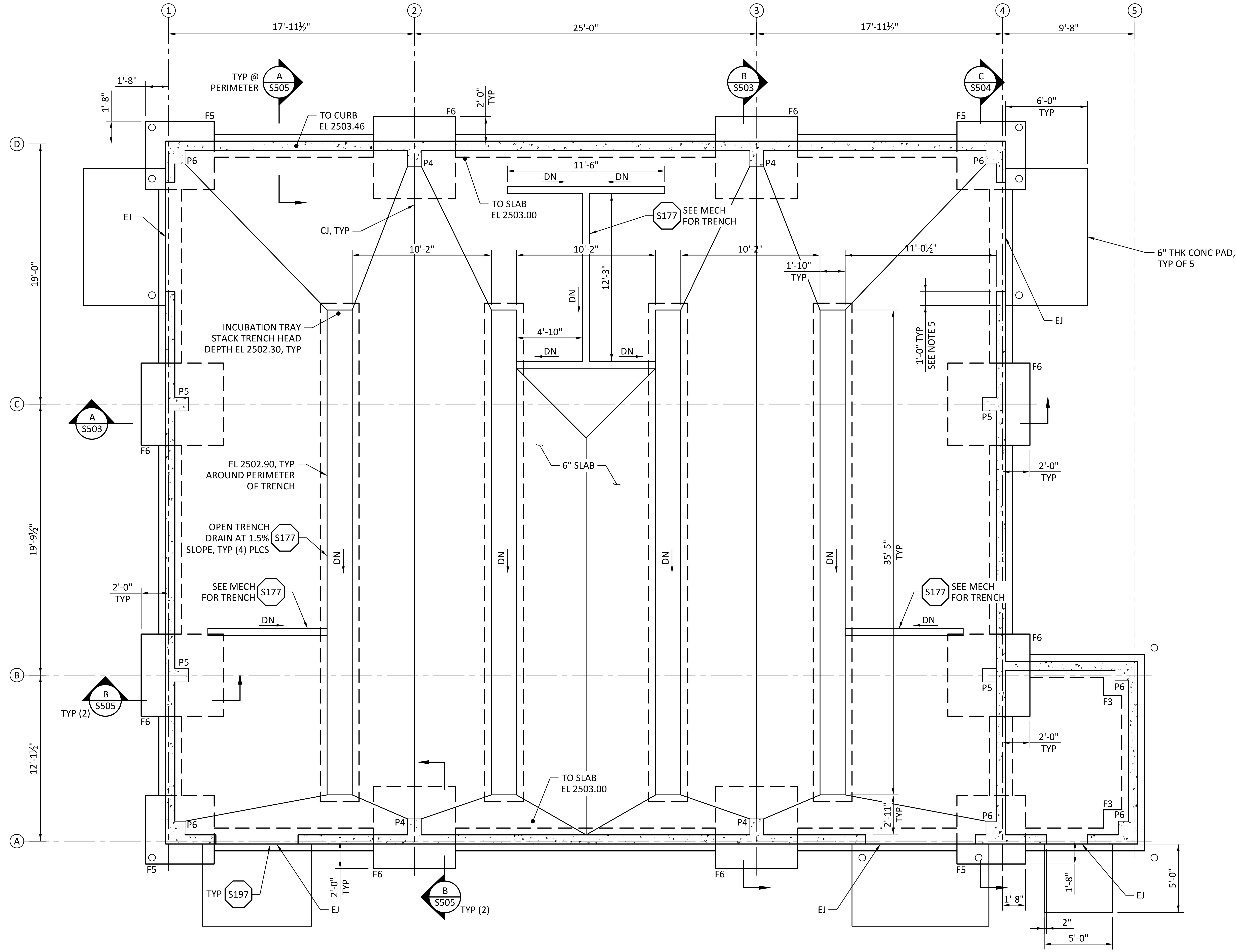
BEFORE THE
FEDERAL ENERGY REGULATORY COMMISSION

Klamath River Renewal Corporation	**Project Nos. 14803-001;**
PacifiCorp	**2082-063**

AMENDED APPLICATION FOR SURRENDER OF LICENSE FOR MAJOR PROJECT AND REMOVAL OF PROJECT WORKS

EXHIBIT R-5
Fall Creek Hatchery
(continued)

Fall Creek Hatchery 100% Design Drawings
(continued)



CHINOOK INCUBATION BUILDING FOUNDATION PLAN (1 / S100)

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

0' 4' 8'

SHEET NOTES:

1. "F#" INDICATES SPREAD FOOTING MARK. SEE STANDARD DETAIL S161 FOR THE CONCRETE SPREAD FOOTING SCHEDULE FOR SIZE AND REINFORCEMENT.
2. "P#" INDICATES PIER / PILASTER MARK. SEE STANDARD DETAIL S162 FOR THE CONCRETE PIER / PILASTER SCHEDULE FOR SIZE AND REINFORCEMENT.
3. [XXX.XX] INDICATES TOP OF FOOTING ELEVATION. TOP OF FOOTING ELEVATION FOR THE CHINOOK INCUBATION BUILDING IS EL 2501.00 UNLESS NOTED OTHERWISE.
4. BLOCKOUT FOR DOORS SHALL BE MODIFIED AS REQD PER HARDWARE MANUFACTURER RECOMMENDATIONS.
5. INSTALL CONCRETE PAD AT EXTERIOR OF OPENING. PAD SHALL BE 6-FT LONG AND EXTEND 1-FT PAST THE OPENING ON EACH SIDE. PADS SHALL MATCH ELEVATION OF FINISHED FLOOR AT THE OPENINGS.

REV	DATE	BY	DESCRIPTION
0	10/28/20	MDM	ISSUED FOR CONSTRUCTION

REGISTERED PROFESSIONAL ENGINEER TAYLOR M. BOWEN No. C90694 CIVIL STATE OF CALIFORNIA 28 OCT 2020

WARNING

0 1/2 1

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

McMILLEN JACOBS ASSOCIATES

KLAMATH RIVER RENEWAL CORPORATION

KLAMATH RIVER RENEWAL CORPORATION

FALL CREEK FISH HATCHERY

CHINOOK INCUBATION BUILDING FOUNDATION PLAN

DESIGNED A. JABIR

DRAWN R. GUERRERO

CHECKED T. BOWEN

PROJECT DATE 10/28/20

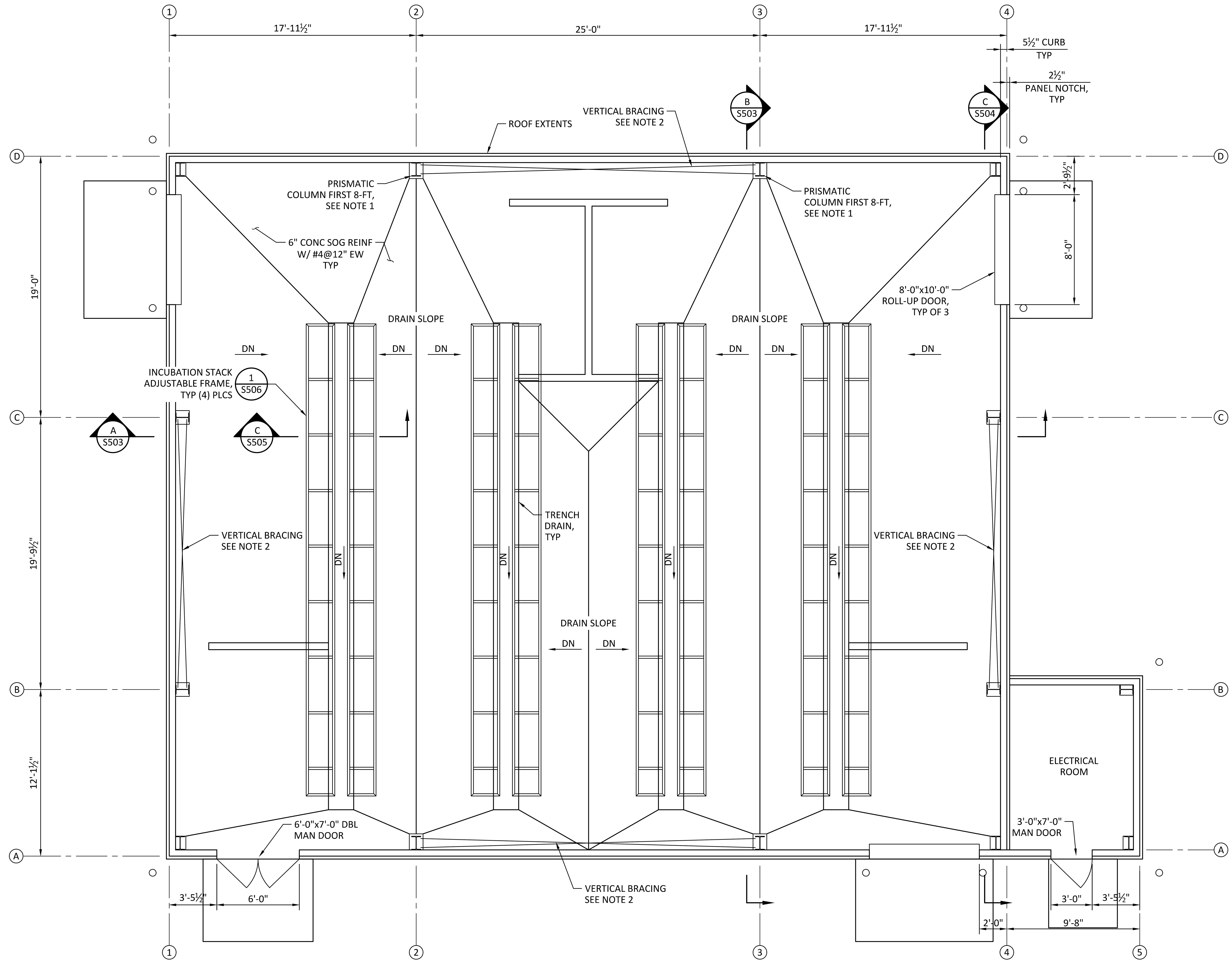
DRAWING

S500

JOB NO: 000000

SHEET NOTES:

1. COLUMNS 2D AND 3D SHALL NOT BE TAPERED FOR FIRST 8-FT FROM FINISHED FLOOR.
2. THE BRACING SYMBOLS SHOWN INDICATE GENERAL LOCATIONS / FRAMING BAYS WHERE IN-PLANE BRACING IS ACCEPTABLE. THIS SYMBOL IS GENERIC AND DOES NOT IMPLY THE SPECIFIC PLAN LOCATION, QUANTITY, OR ARRANGEMENT OF BRACING ELEMENTS WHICH WILL BE DETERMINED BY THE CONTRACTOR.



CHINOOK INCUBATION BUILDING TOP PLAN

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

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McMILLEN JACOBS ASSOCIATES

KLAMATH RIVER RENEWAL CORPORATION

KLAMATH RIVER RENEWAL CORPORATION

FALL CREEK FISH HATCHERY

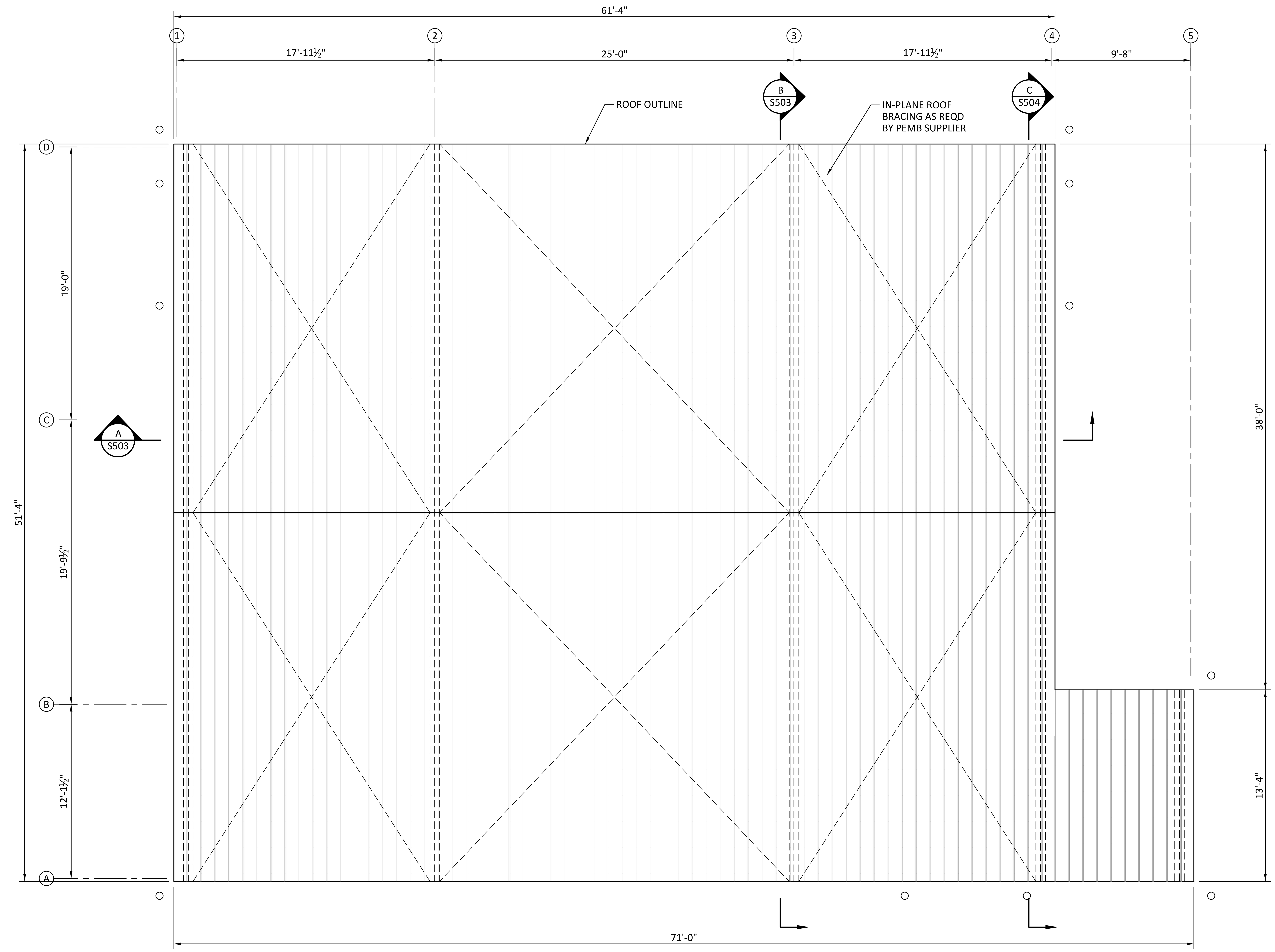
CHINOOK INCUBATION BUILDING TOP PLAN

DESIGNED A. JABIR
DRAWN R. GUERRERO
CHECKED T. BOWEN
PROJECT DATE 10/28/20

DRAWING S501

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\S501.dwg Plot date: Oct 27, 2020 01:12pm, CAD User: Guerrero



CHINOOK INCUBATION BUILDING ROOF FRAMING PLAN

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

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\S502.dwg Plot date: Oct 27, 2020 01:12pm, CAD User: Guerrero

REV	DATE	BY	DESCRIPTION
0	10/28/20	MDM	ISSUED FOR CONSTRUCTION

REGISTERED PROFESSIONAL ENGINEER TAYLOR M. BOWEN No. C90694 CIVIL 28 OCT 2020 STATE OF CALIFORNIA

WARNING

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McMILLEN JACOBS ASSOCIATES

KLAMATH RIVER RENEWAL CORPORATION

KLAMATH RIVER RENEWAL CORPORATION

FALL CREEK FISH HATCHERY

CHINOOK INCUBATION BUILDING
ROOF FRAMING PLAN

DESIGNED A. JABIR

DRAWN R. GUERRERO

CHECKED T. BOWEN

PROJECT DATE 10/28/20

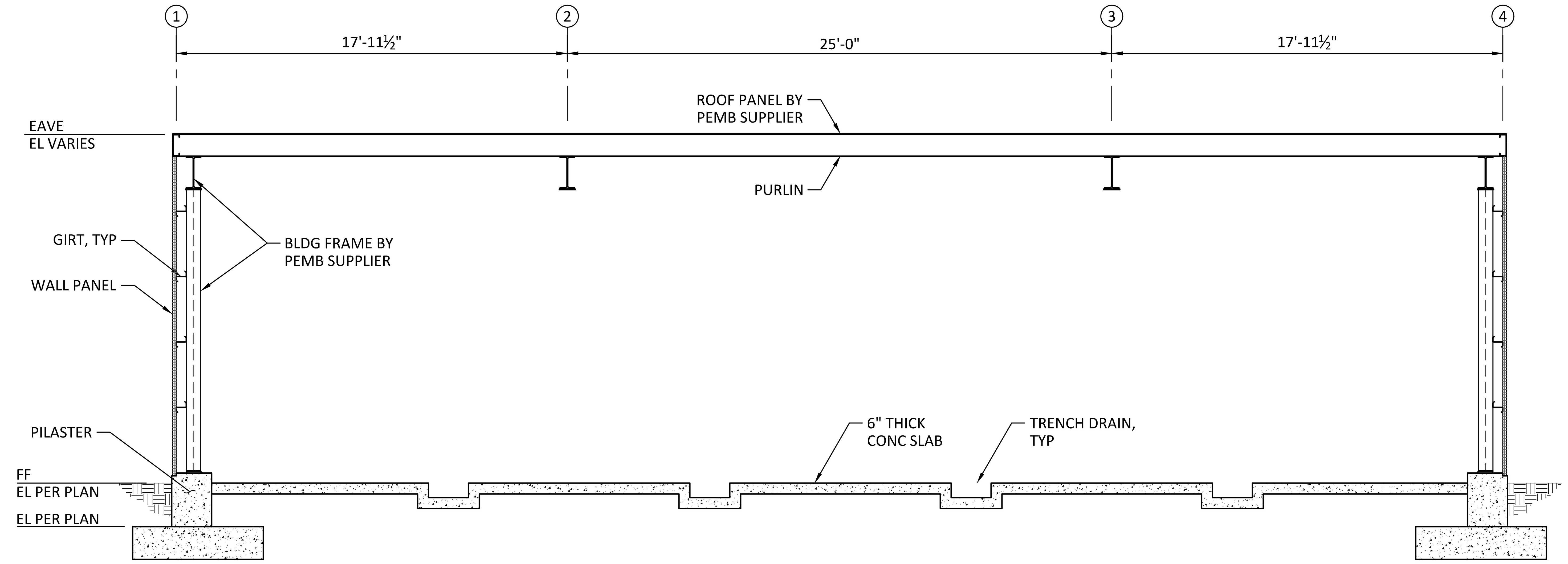
DRAWING

S502

JOB NO: 000000

SHEET NOTES:

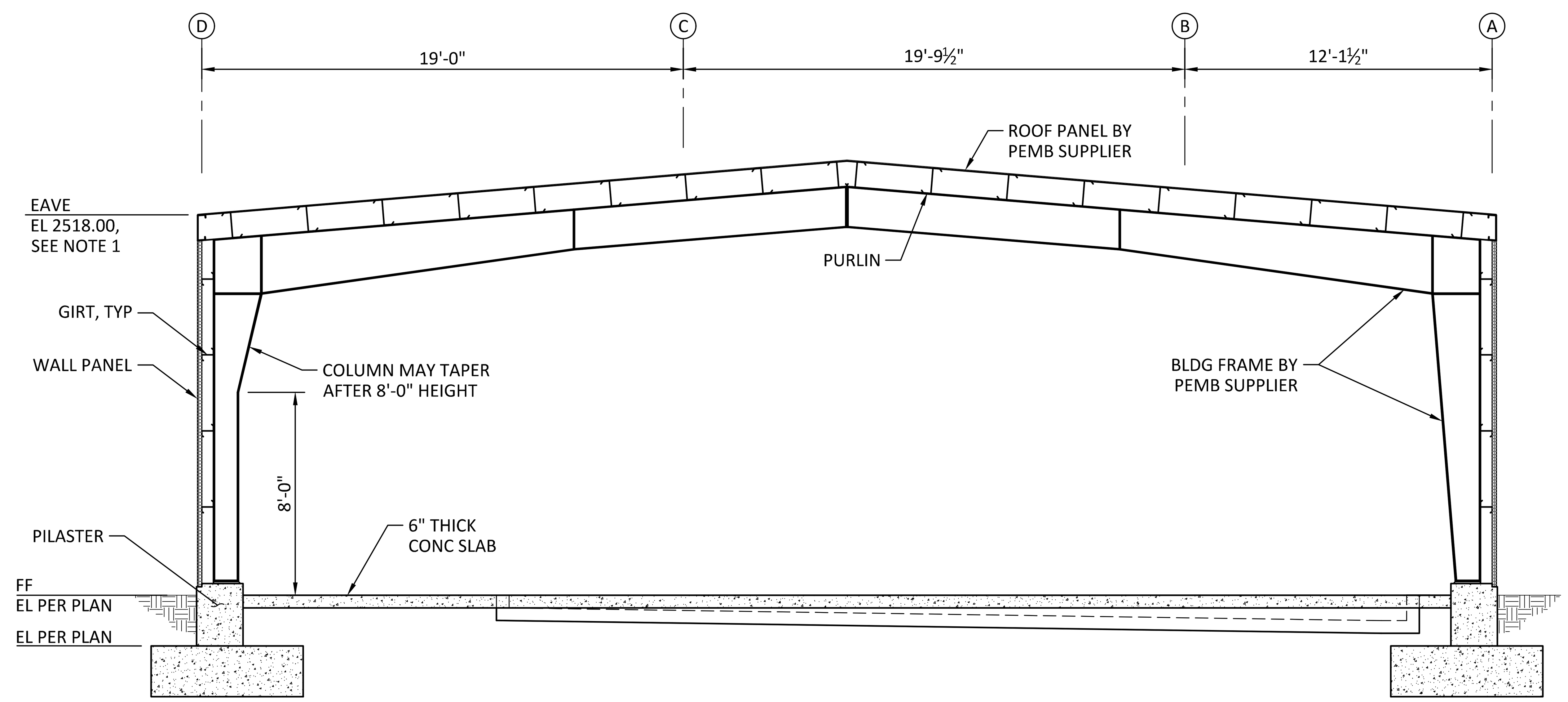
1. EAVE HEIGHT IS INTERSECTION OF GRIDLINE (OUTSIDE OF GIRT) TO TOP OF PURLING CAVITY.



SECTION A / S500

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

0' 4' 8'



SECTION B / S500

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

0' 4' 8'

REV	DATE	BY	DESCRIPTION
0	10/28/20	MDM	ISSUED FOR CONSTRUCTION

REGISTERED PROFESSIONAL ENGINEER
TAYLOR M. BOWEN
No. C90694
28 OCT 2020
CIVIL
STATE OF CALIFORNIA

WARNING

0 1/2 1

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McMILLEN JACOBS ASSOCIATES

KLAMATH RIVER RENEWAL CORPORATION

KLAMATH RIVER RENEWAL CORPORATION

FALL CREEK FISH HATCHERY

CHINOOK INCUBATION BUILDING
SECTIONS 1

DESIGNED A. JABIR
DRAWN R. GUERRERO
CHECKED T. BOWEN
PROJECT DATE 10/28/20

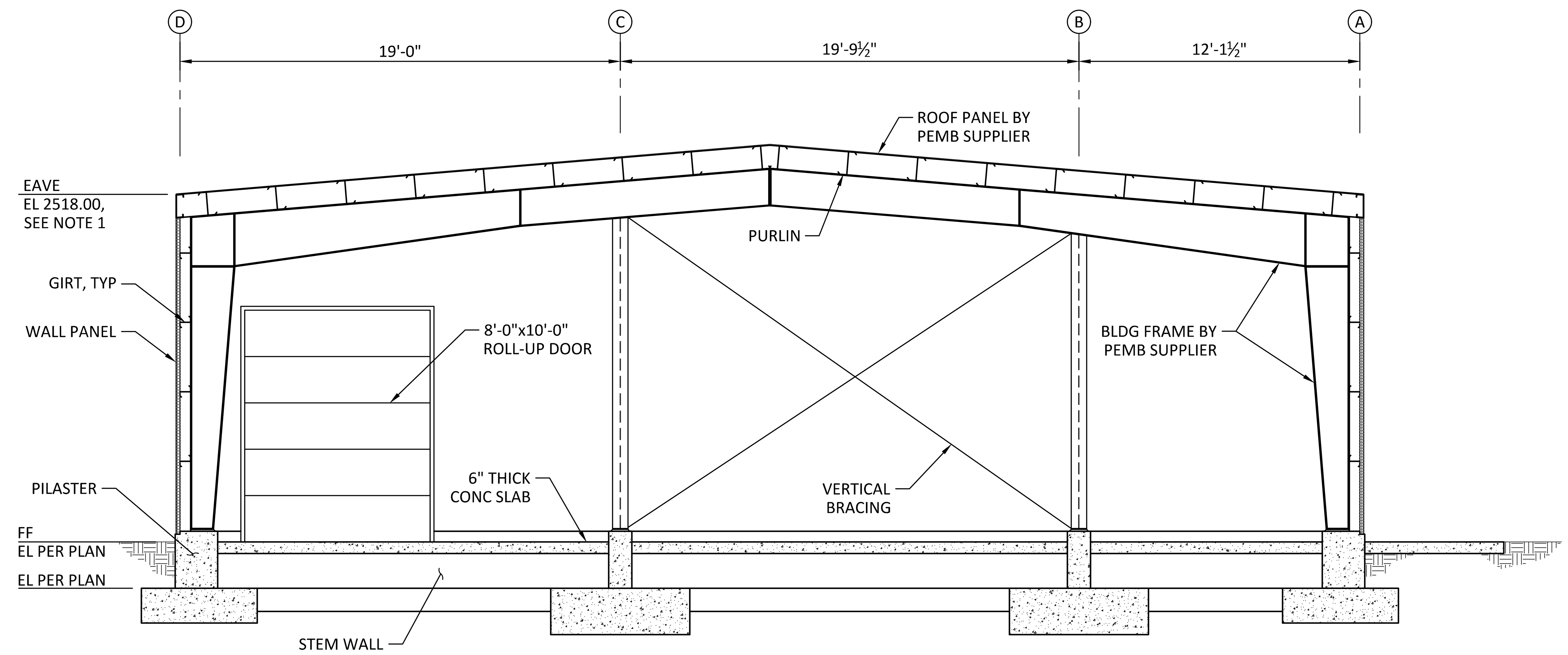
DRAWING
S503

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\S503.dwg Plot date: Oct 27, 2020 01:13pm, CAD User: Guerrero

SHEET NOTES:

1. EAVE HEIGHT IS INTERSECTION OF GRIDLINE (OUTSIDE OF GIRT) TO TOP OF PURLING CAVITY.



SECTION C / S500
SCALE: 1/4"= 1'-0"

REV	DATE	BY	DESCRIPTION
0	10/28/20	MDM	ISSUED FOR CONSTRUCTION

REGISTERED PROFESSIONAL ENGINEER
TAYLOR M. BOWEN
No. C90694
CIVIL
STATE OF CALIFORNIA

WARNING
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McMILLEN JACOBS ASSOCIATES

KLAMATH RIVER RENEWAL CORPORATION

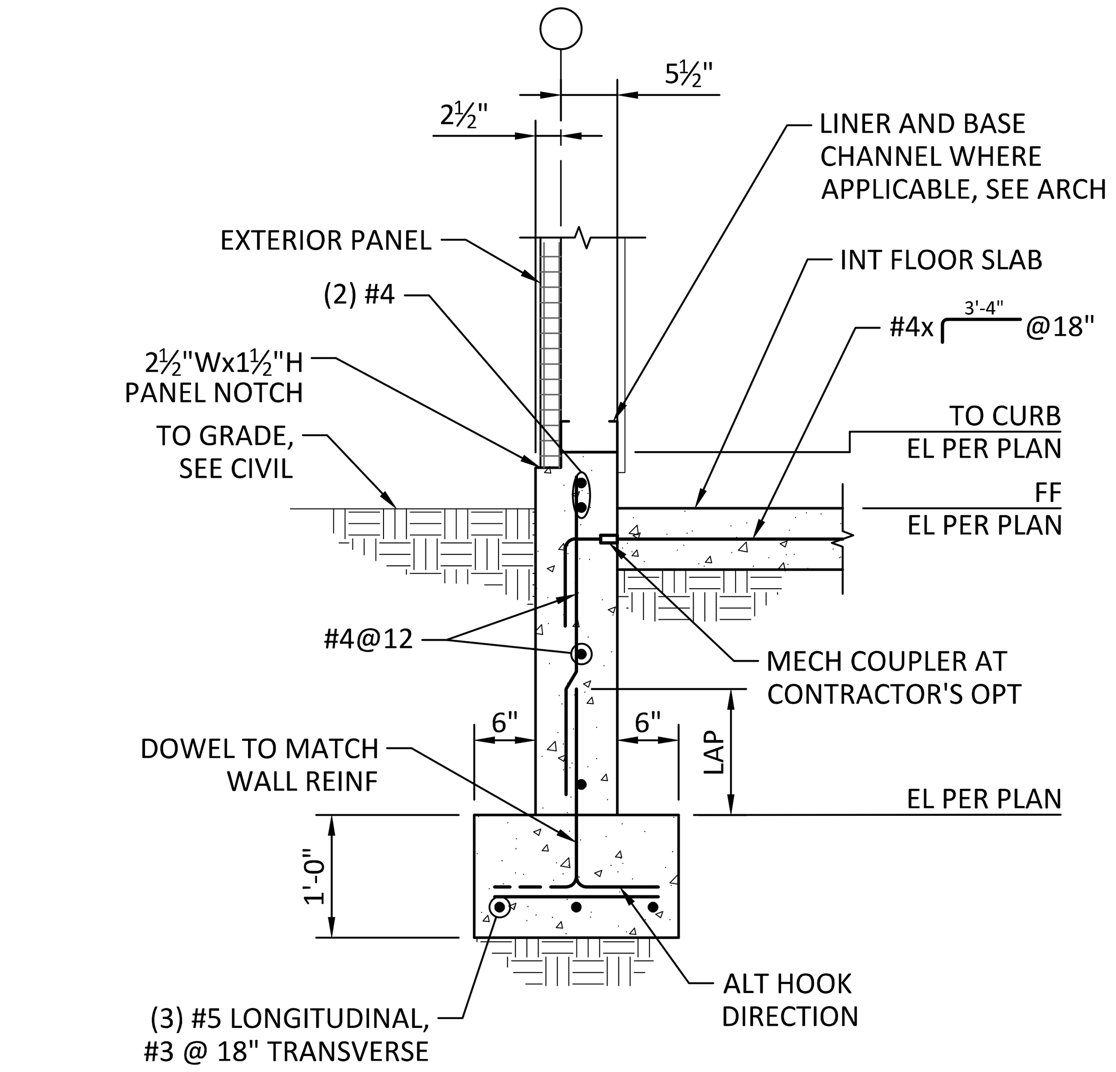
KLAMATH RIVER RENEWAL CORPORATION
FALL CREEK FISH HATCHERY
CHINOOK INCUBATION BUILDING
SECTIONS 2

DESIGNED A. JABIR
DRAWN R. GUERRERO
CHECKED T. BOWEN
PROJECT DATE 10/28/20

DRAWING
S504

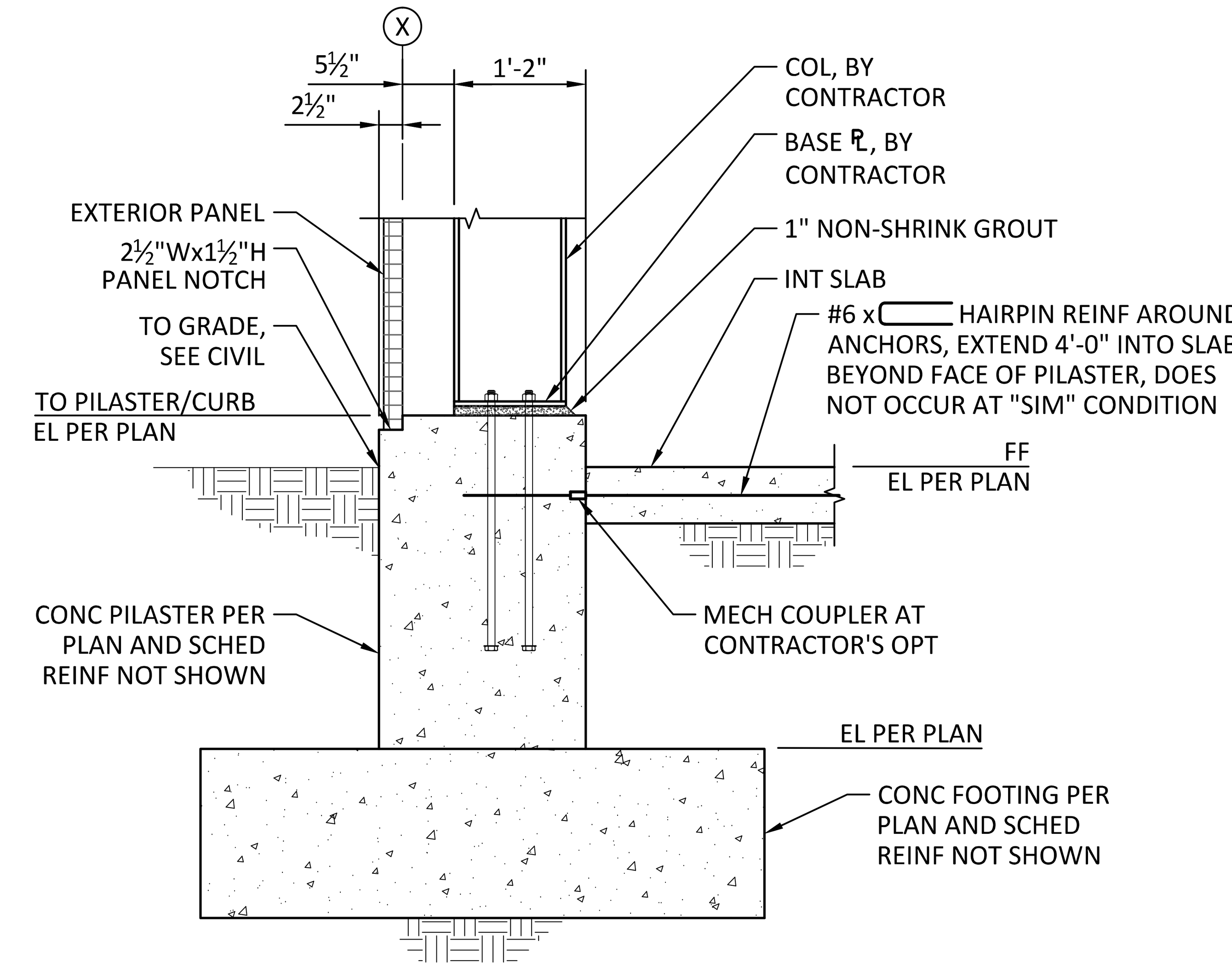
JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\S504.dwg Plot date: Oct 27, 2020 01:13pm, CAD User: Guerrero



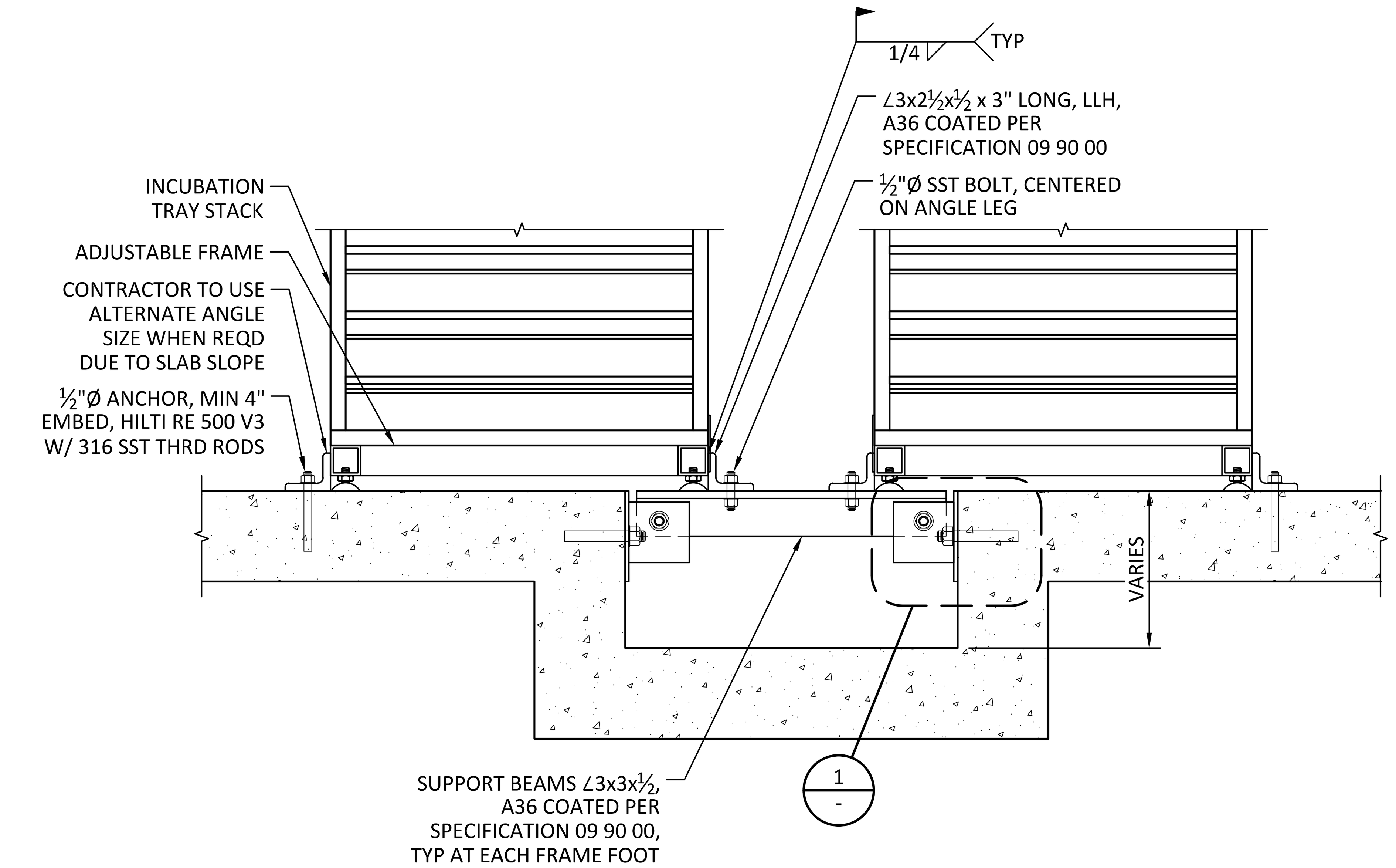
SECTION A/S500

SCALE: 3/4"= 1'-0"



SECTION B/S500

SCALE: 3/4"= 1'-0"

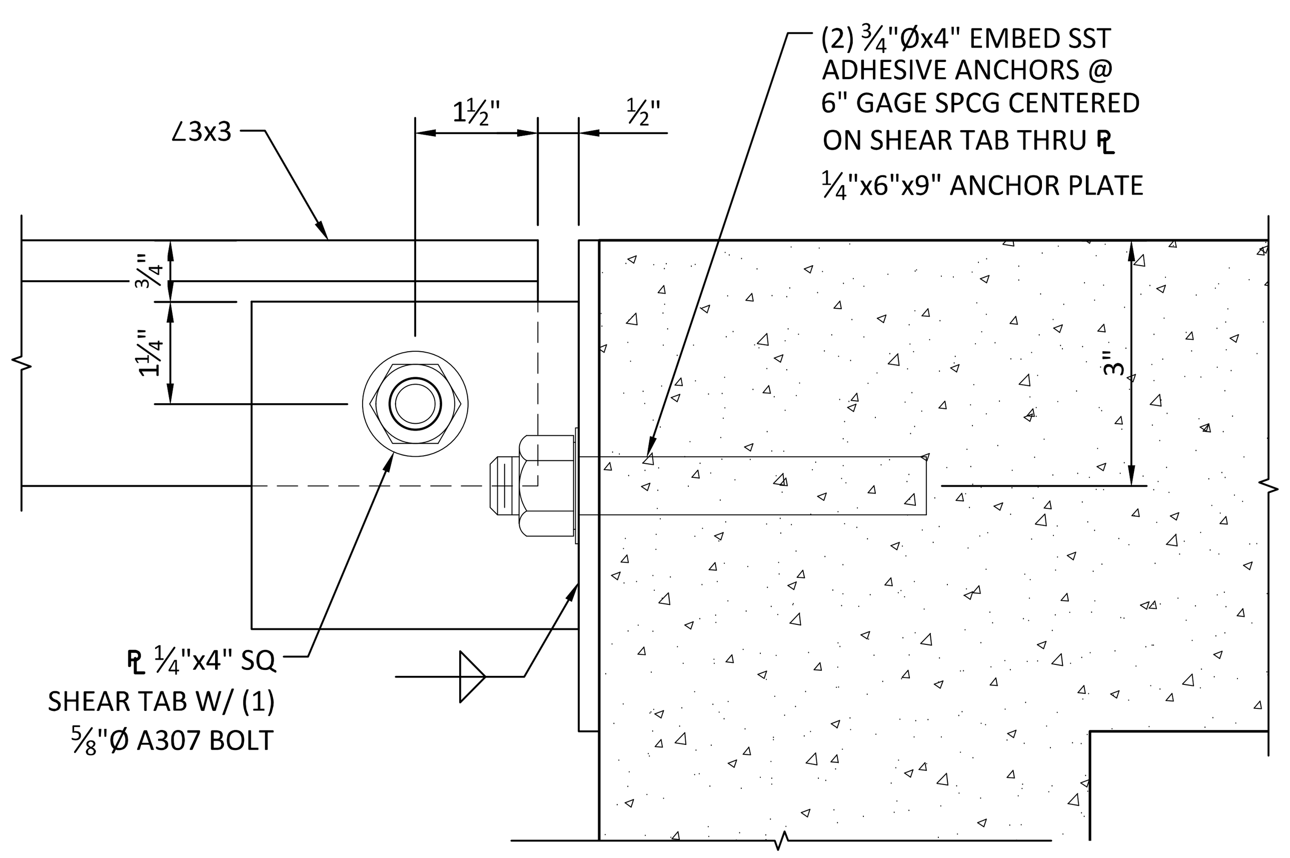


NOTES:

1. ∠3x3x½ TO BE FIELD WELDED TO HSS FRAME AFTER IT IS INSTALLED AND LEVELED.

SECTION C/S501

SCALE: 1 1/2"= 1'-0"



DETAIL 1/-

SCALE: 6"= 1'-0"

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KLAMATH RIVER RENEWAL CORPORATION

KLAMATH RIVER RENEWAL CORPORATION

FALL CREEK FISH HATCHERY

CHINOOK INCUBATION BUILDING
SECTIONS AND DETAILS

DESIGNED A. JABIR

DRAWN R. GUERRERO

CHECKED T. BOWEN

PROJECT DATE 10/28/20

DRAWING

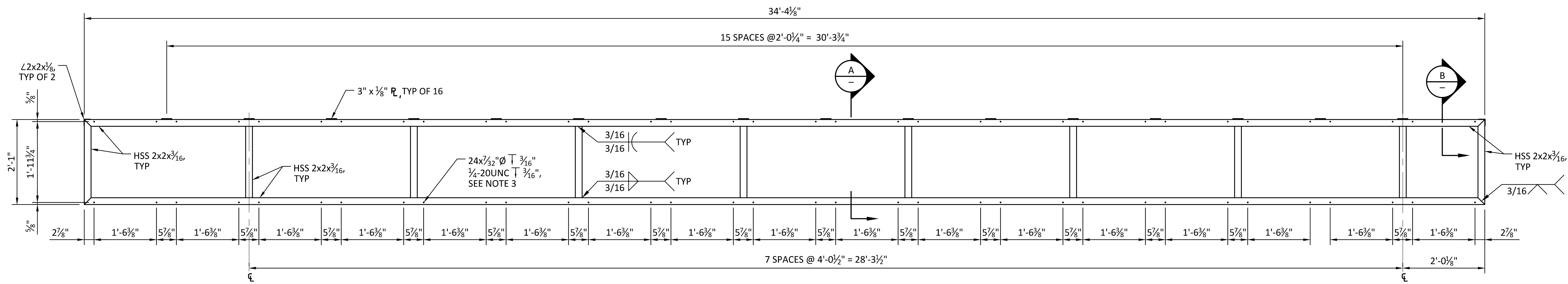
S505

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\S505.dwg Plot date: Oct 27, 2020 01:13pm, CAD User: Guerrero

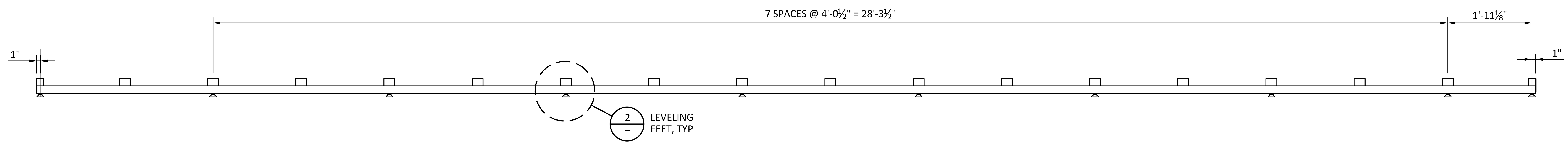
SHEET NOTES:

1. ALL HSS SHALL BE ASTM A500 GR. B, COATED PER SECTION 09 90 00.
2. ALL PLATE AND ANGLES SHALL BE ASTM A36, COATED PER SECTION 09 90 00.
3. (17) INCUBATION STACKS SHALL BE EVENLY SPACED ON INCUBATION STACK FRAME. CONTRACTOR SHALL FIELD VERIFY INCUBATION TRAY STACK FRAME BOLT HOLE PATTERN PRIOR TO DRILLING MOUNTING HOLES.



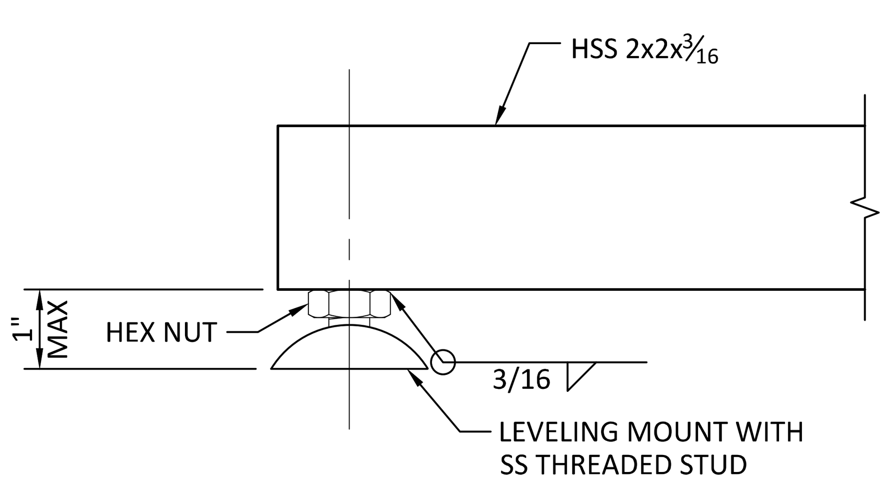
INCUBATION STACK ADJUSTABLE FRAME PLAN (QTY = 8) 1 S501

SCALE: 3/4"= 1'-0"



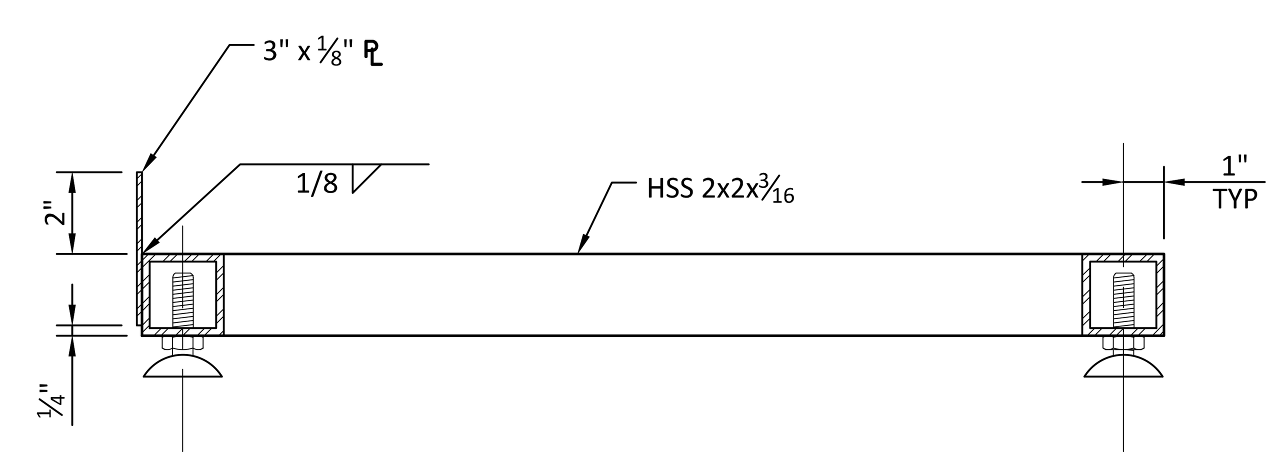
INCUBATION STACK FRAME ELEVATION

SCALE: 3/4"= 1'-0"



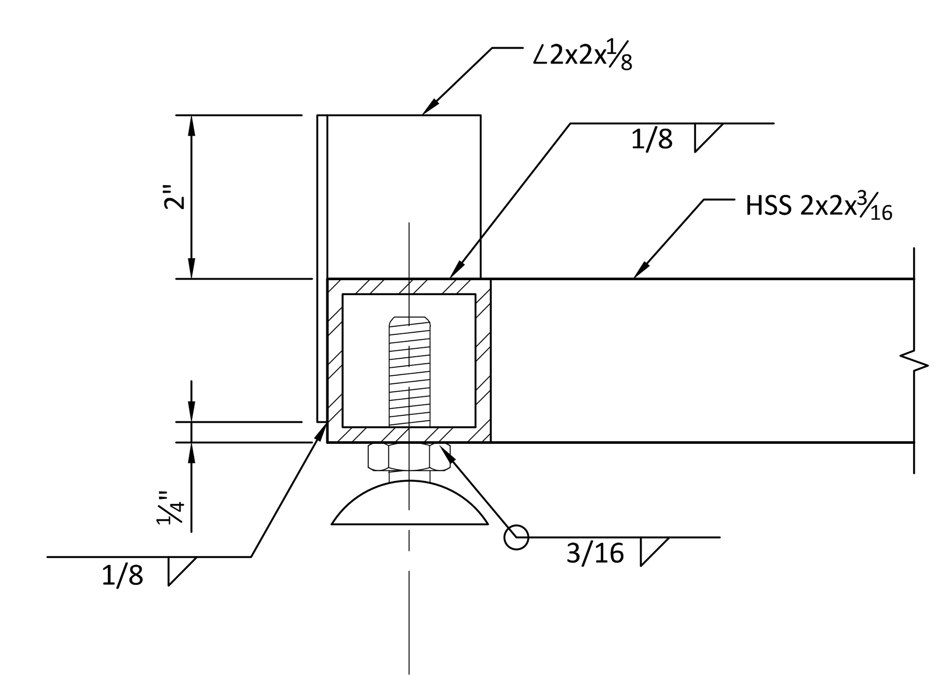
DETAIL 2 -

SCALE: 6"= 1'-0"



SECTION A -

SCALE: 3"= 1'-0"



SECTION B -

SCALE: 6"= 1'-0"

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REGISTERED PROFESSIONAL ENGINEER
TAYLOR M. BOWEN
No. C90694
28 OCT 2020
CIVIL
STATE OF CALIFORNIA

WARNING
0 1/2 1
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McMILLEN JACOBS ASSOCIATES

KLAMATH RIVER RENEWAL CORPORATION

KLAMATH RIVER RENEWAL CORPORATION

FALL CREEK FISH HATCHERY

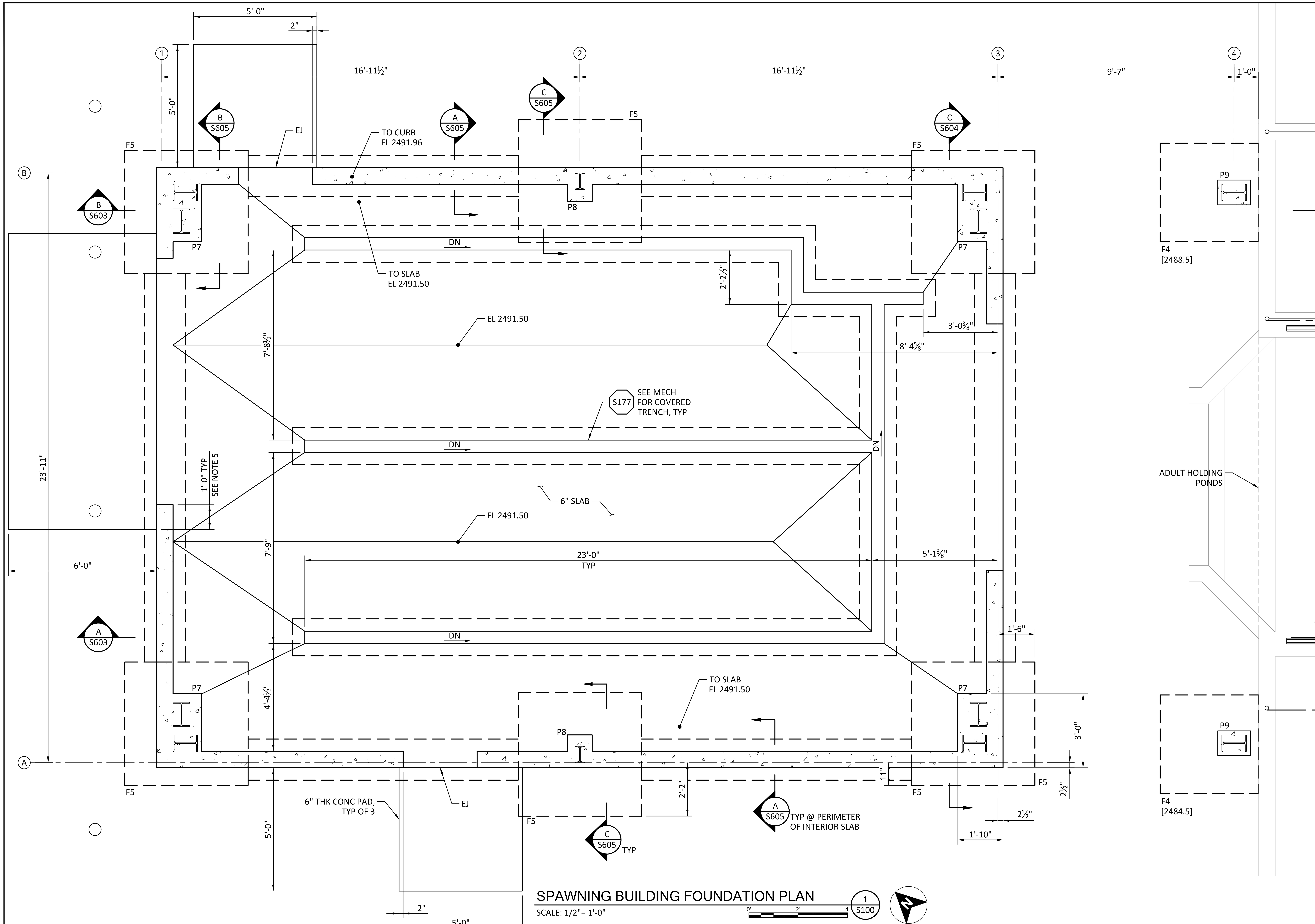
CHINOOK INCUBATION BLDG
INCUBATION STACK
SECTIONS AND DETAILS

DESIGNED A. JABIR
DRAWN R. GUERRERO
CHECKED T. BOWEN
PROJECT DATE 10/28/20

DRAWING
S506

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\S506.dwg Plot date: Oct 27, 2020 01:13pm, CAD User: Guerrero



SPAWNING BUILDING FOUNDATION PLAN 1/S100

SCALE: 1/2"= 1'-0"

SHEET NOTES:

1. "F#" INDICATES SPREAD FOOTING MARK. SEE STANDARD DETAIL S161 FOR THE CONCRETE SPREAD FOOTING SCHEDULE FOR SIZE AND REINFORCEMENT.
2. "P#" INDICATES PIER / PILASTER MARK. SEE STANDARD DETAIL S162 FOR THE CONCRETE PIER / PILASTER SCHEDULE FOR SIZE AND REINFORCEMENT.
3. [XXX.XX] INDICATES TOP OF FOOTING ELEVATION. TOP OF FOOTING ELEVATION FOR THE SPAWNING BUILDING IS EL 2489.00 UNLESS NOTED OTHERWISE.
4. BLOCKOUT FOR DOORS SHALL BE MODIFIED AS REQD PER HARDWARE MANUFACTURER RECOMMENDATIONS.
5. INSTALL CONCRETE PAD AT EXTERIOR OF OPENING. PAD SHALL BE 6-FT LONG AND EXTEND 1-FT PAST THE OPENING ON EACH SIDE. PADS SHALL MATCH ELEVATION OF FINISHED FLOOR AT THE OPENINGS.

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\S600.dwg Plot date: Oct 27, 2020 01:13pm, CAD User: Guerrero

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REGISTERED PROFESSIONAL ENGINEER TAYLOR M. BOWEN No. C90694 CIVIL STATE OF CALIFORNIA 28 OCT 2020

WARNING
0 1/2 1
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McMILLEN JACOBS ASSOCIATES

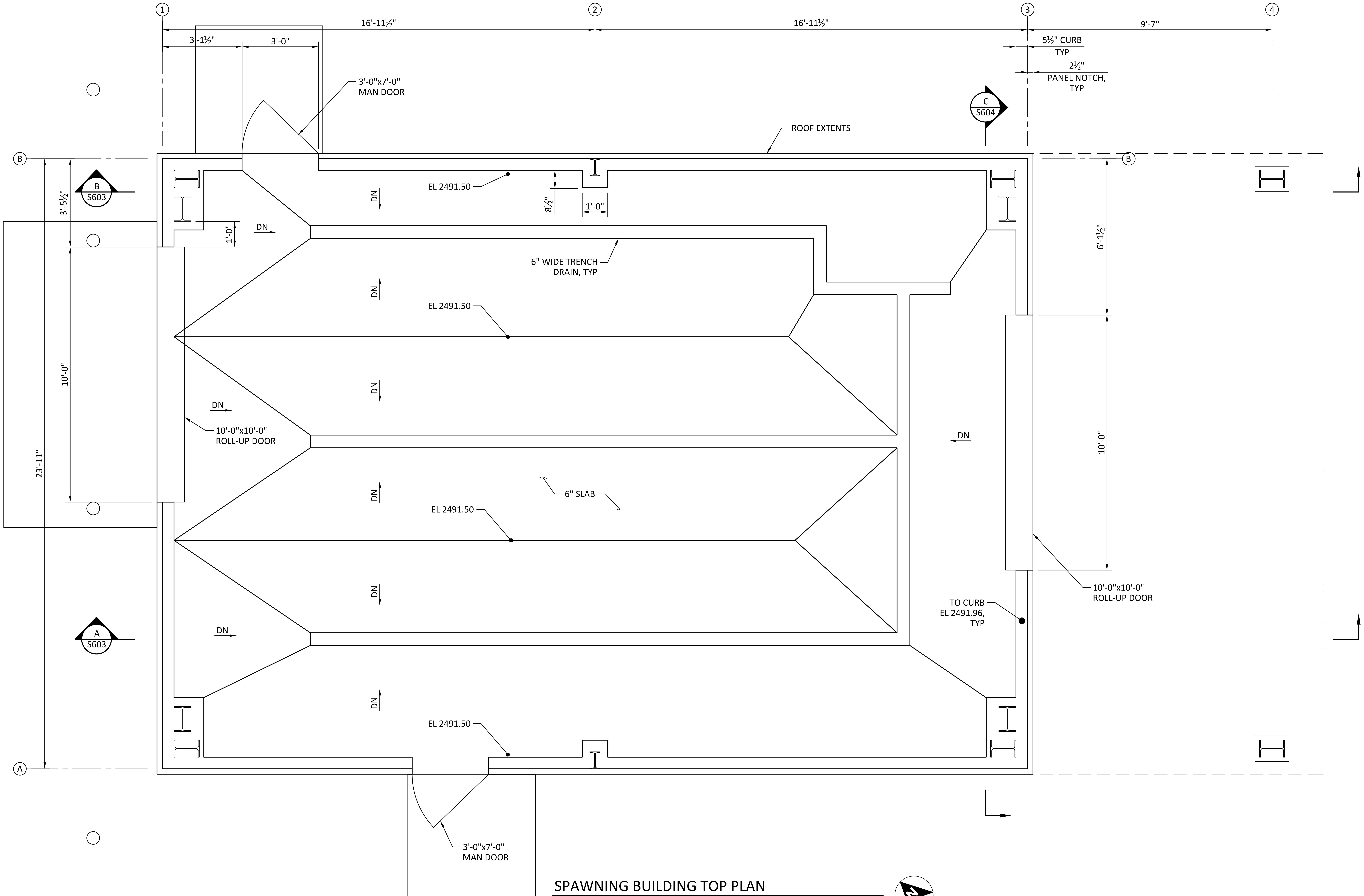
KLAMATH RIVER RENEWAL CORPORATION

KLAMATH RIVER RENEWAL CORPORATION
FALL CREEK FISH HATCHERY
SPAWNING BUILDING
FOUNDATION PLAN

DESIGNED A. JABIR
DRAWN R. GUERRERO
CHECKED T. BOWEN
PROJECT DATE 10/28/20

DRAWING S600

JOB NO: 000000



SPAWNING BUILDING TOP PLAN

SCALE: 1/2"= 1'-0"

REV	DATE	BY	DESCRIPTION
0	10/28/20	MDM	ISSUED FOR CONSTRUCTION

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McMILLEN JACOBS ASSOCIATES

KLAMATH RIVER RENEWAL CORPORATION

KLAMATH RIVER RENEWAL CORPORATION

FALL CREEK FISH HATCHERY

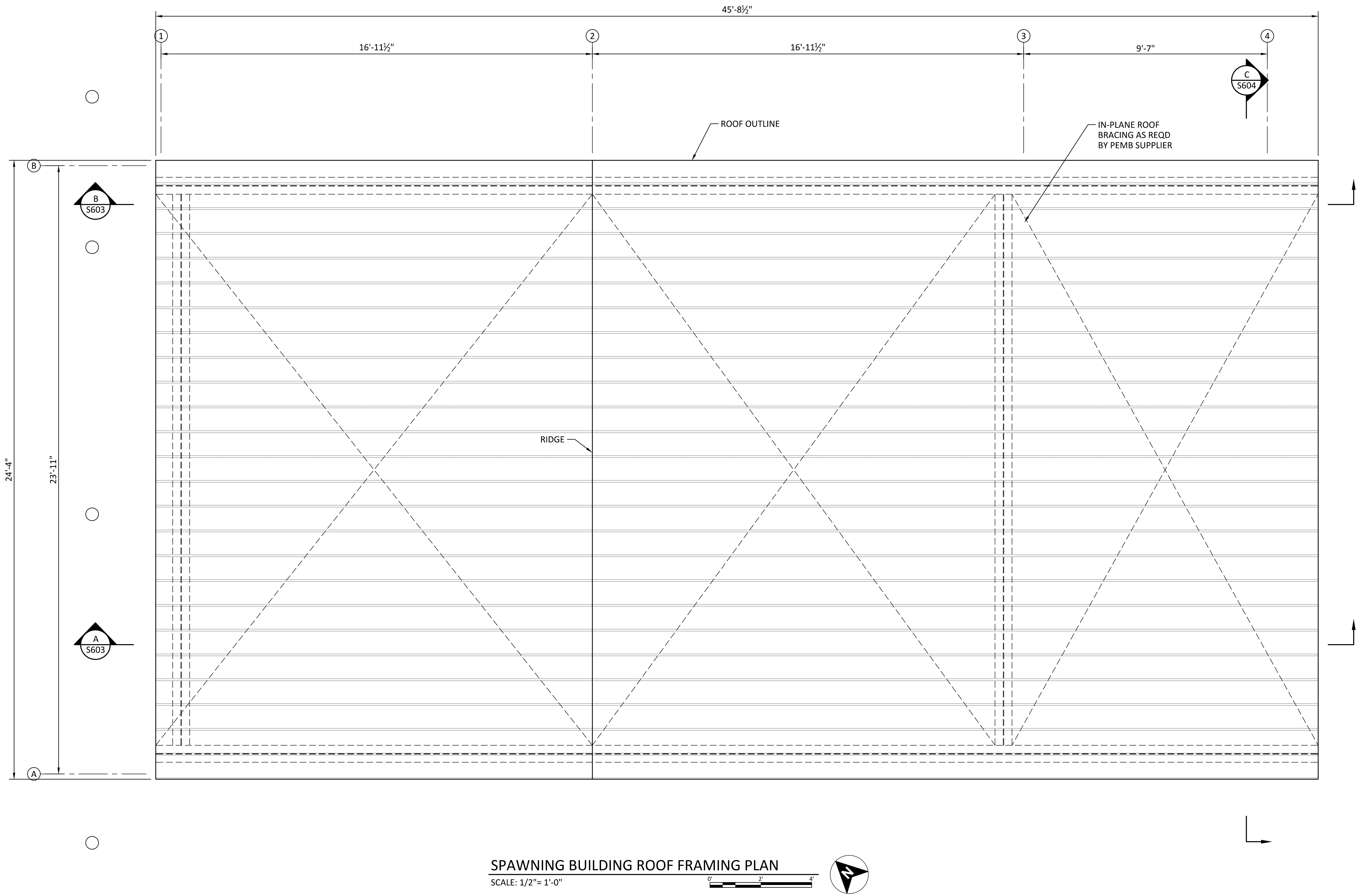
SPAWNING BUILDING
TOP PLAN

DESIGNED A. JABIR
DRAWN R. GUERRERO
CHECKED T. BOWEN
PROJECT DATE 10/28/20

DRAWING
S601

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\S601.dwg Plot date: Oct 27, 2020 01:13pm, CAD User: Guerrero

JOB NO: 000000



SPAWNING BUILDING ROOF FRAMING PLAN
SCALE: 1/2"= 1'-0"

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TAYLOR M. BOWEN
No. C90694
CIVIL
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KLAMATH RIVER RENEWAL CORPORATION

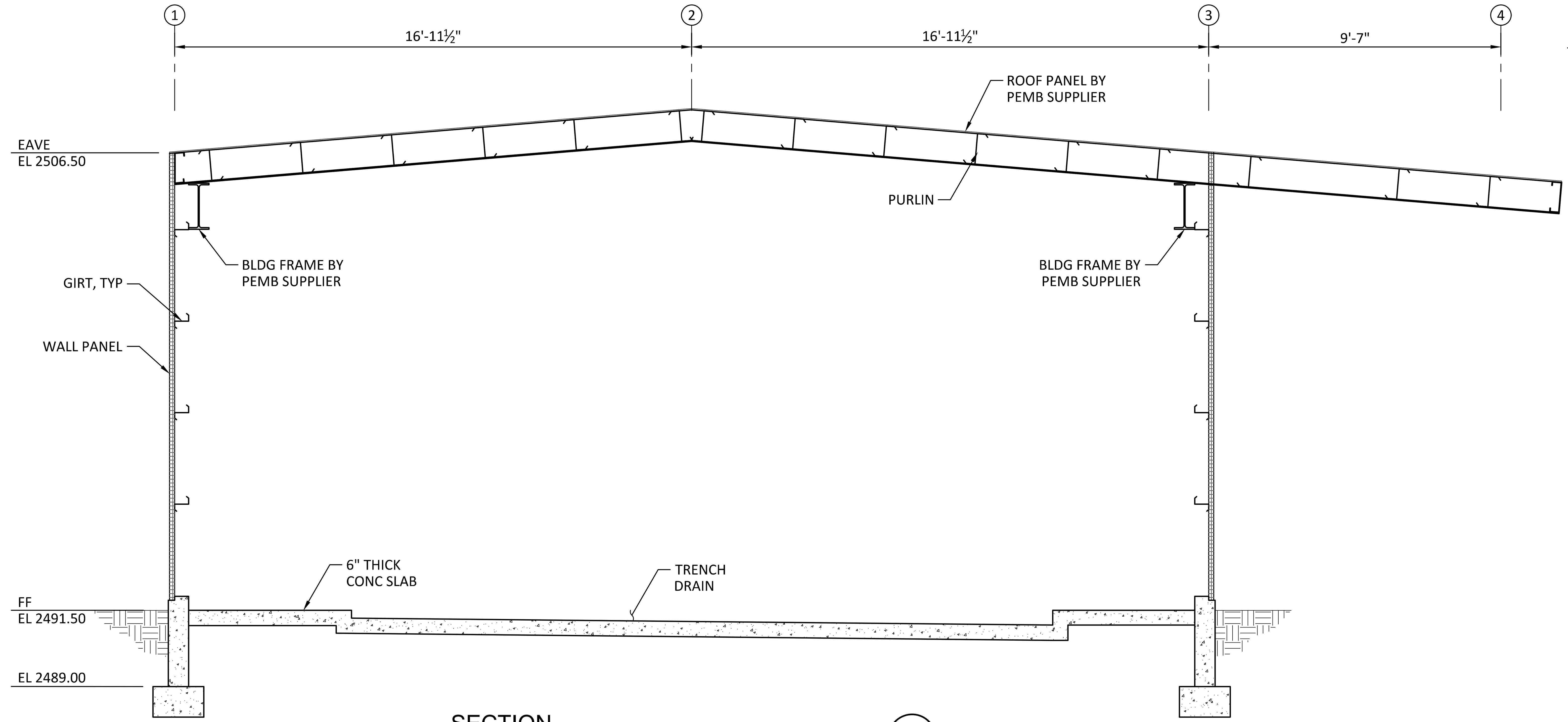
KLAMATH RIVER RENEWAL CORPORATION
FALL CREEK FISH HATCHERY
SPAWNING BUILDING
ROOF FRAMING PLAN

DESIGNED A. JABIR
DRAWN R. GUERRERO
CHECKED T. BOWEN
PROJECT DATE 10/28/20

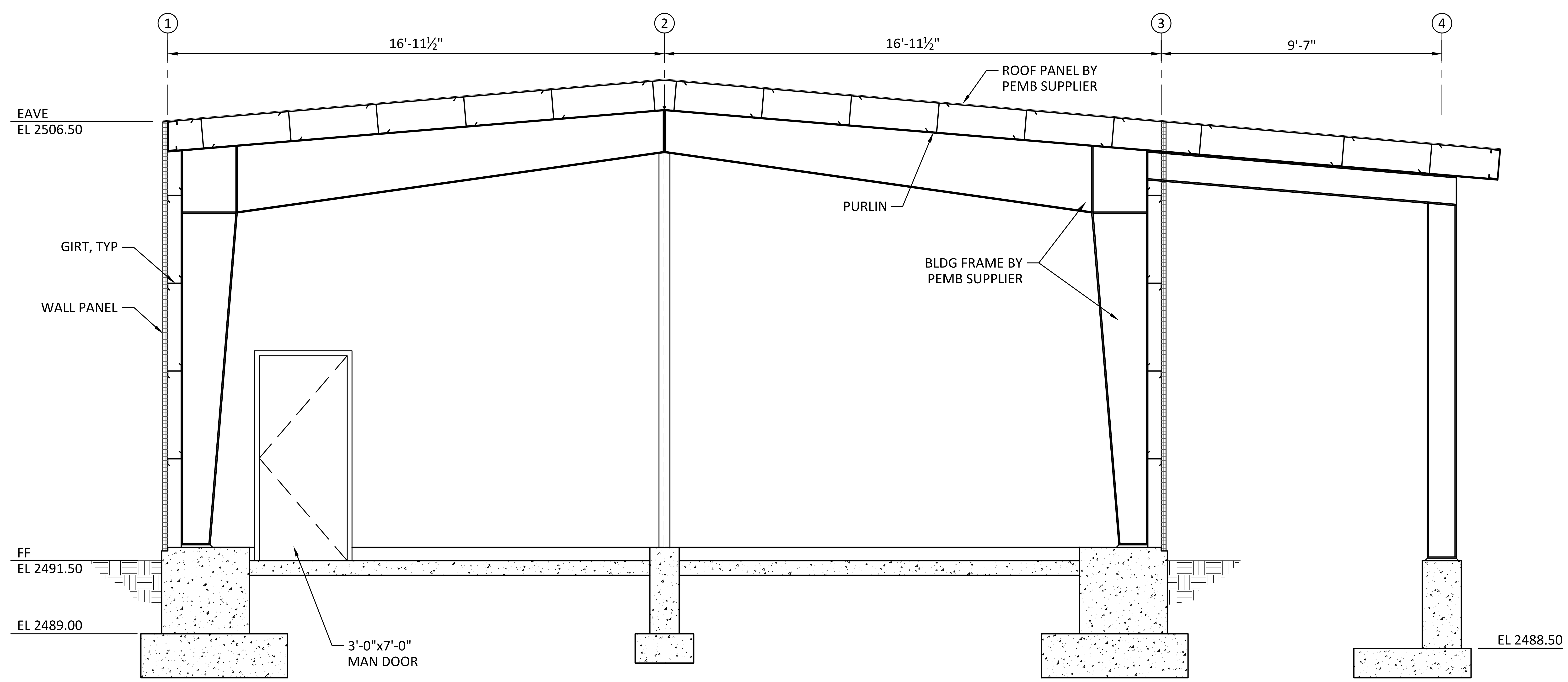
DRAWING
S602

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\S602.dwg Plot date: Oct 27, 2020 01:13pm, CAD User: Guerrero



SECTION A S600
SCALE: 3/8"= 1'-0"



SECTION B S600
SCALE: 3/8"= 1'-0"

SHEET NOTES:

1. EAVE HEIGHT IS INTERSECTION OF GRIDLINE (OUTSIDE OF GIRT) TO TOP OF PURLING CAVITY.

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McMILLEN JACOBS ASSOCIATES

KLAMATH RIVER RENEWAL CORPORATION

KLAMATH RIVER RENEWAL CORPORATION
FALL CREEK FISH HATCHERY
SPAWNING BUILDING
SECTIONS 1

DESIGNED A. JABIR
DRAWN R. GUERRERO
CHECKED T. BOWEN
PROJECT DATE 10/28/20

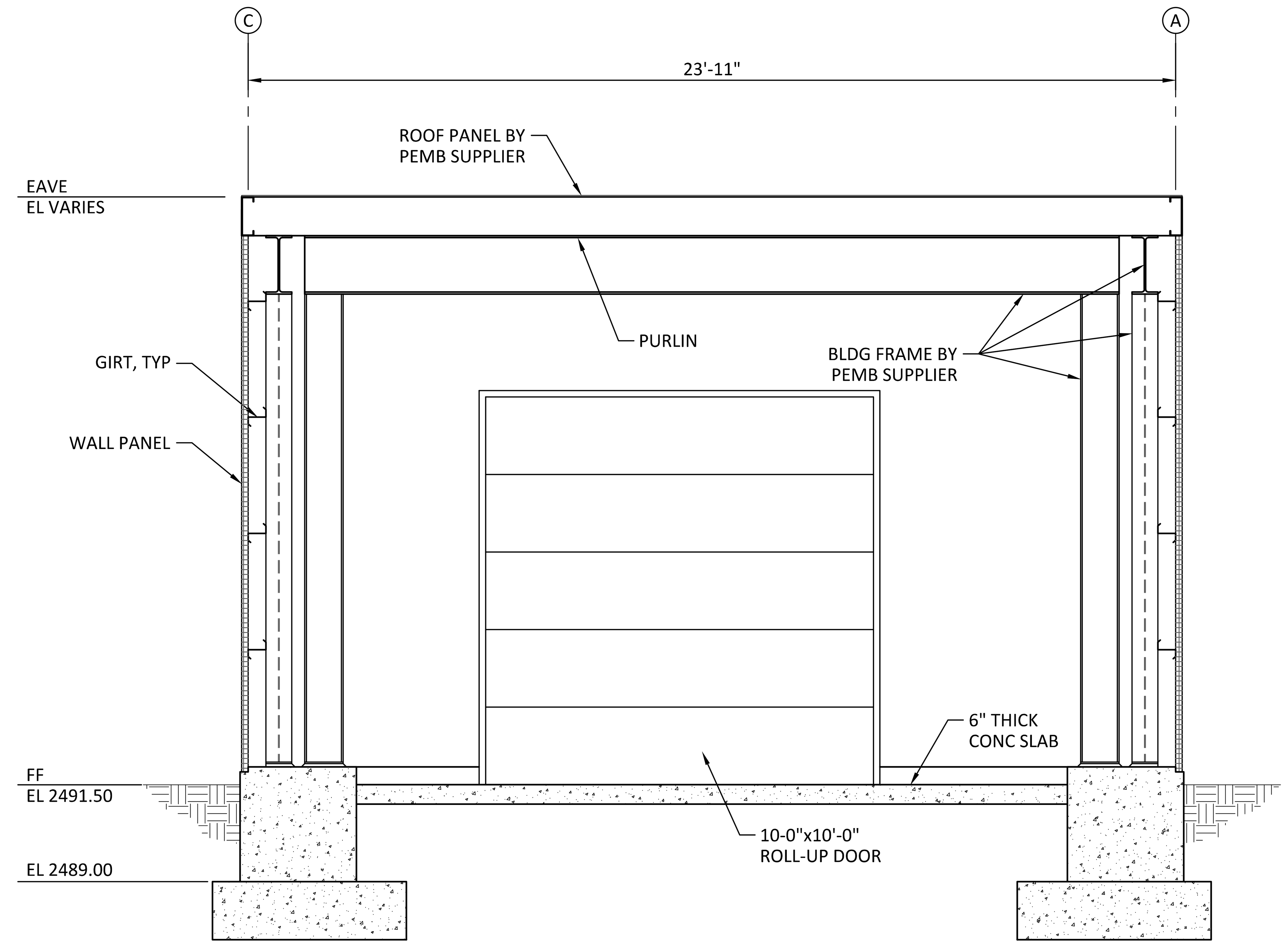
DRAWING
S603

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\S603.dwg Plot date: Oct 27, 2020 01:13pm, CAD User: Guerrero

SHEET NOTES:

1. EAVE HEIGHT IS INTERSECTION OF GRIDLINE (OUTSIDE OF GIRT) TO TOP OF PURLING CAVITY.



SECTION C/S600

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

0' 4' 8'

REV	DATE	BY	DESCRIPTION
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REGISTERED PROFESSIONAL ENGINEER TAYLOR M. BOWEN No. C90694 CIVIL STATE OF CALIFORNIA 28 OCT 2020

WARNING

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McMILLEN JACOBS ASSOCIATES

KLAMATH RIVER RENEWAL CORPORATION

KLAMATH RIVER RENEWAL CORPORATION

FALL CREEK FISH HATCHERY

SPAWNING BUILDING SECTIONS 2

DESIGNED A. JABIR

DRAWN R. GUERRERO

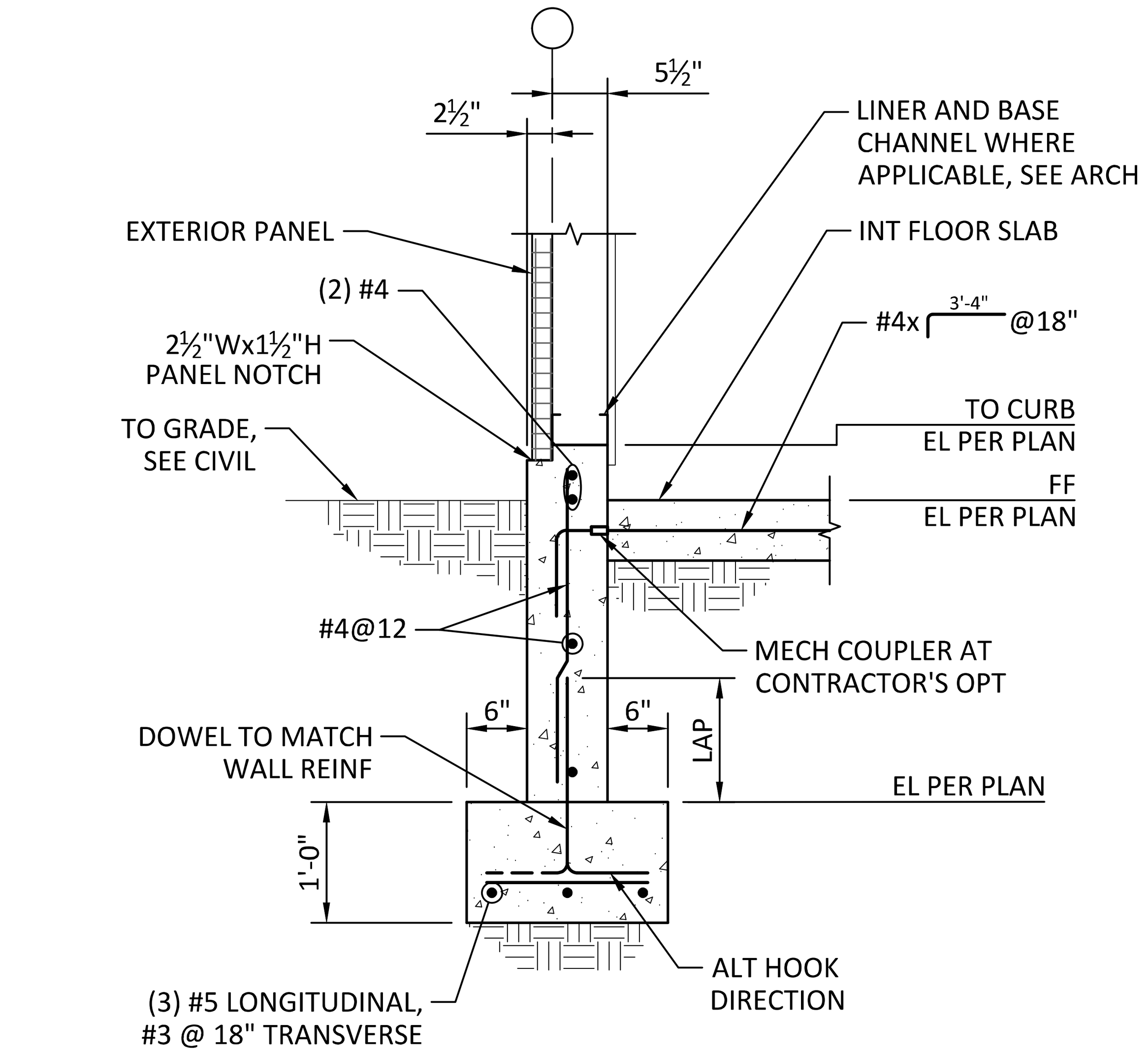
CHECKED T. BOWEN

PROJECT DATE 10/28/20

DRAWING S604

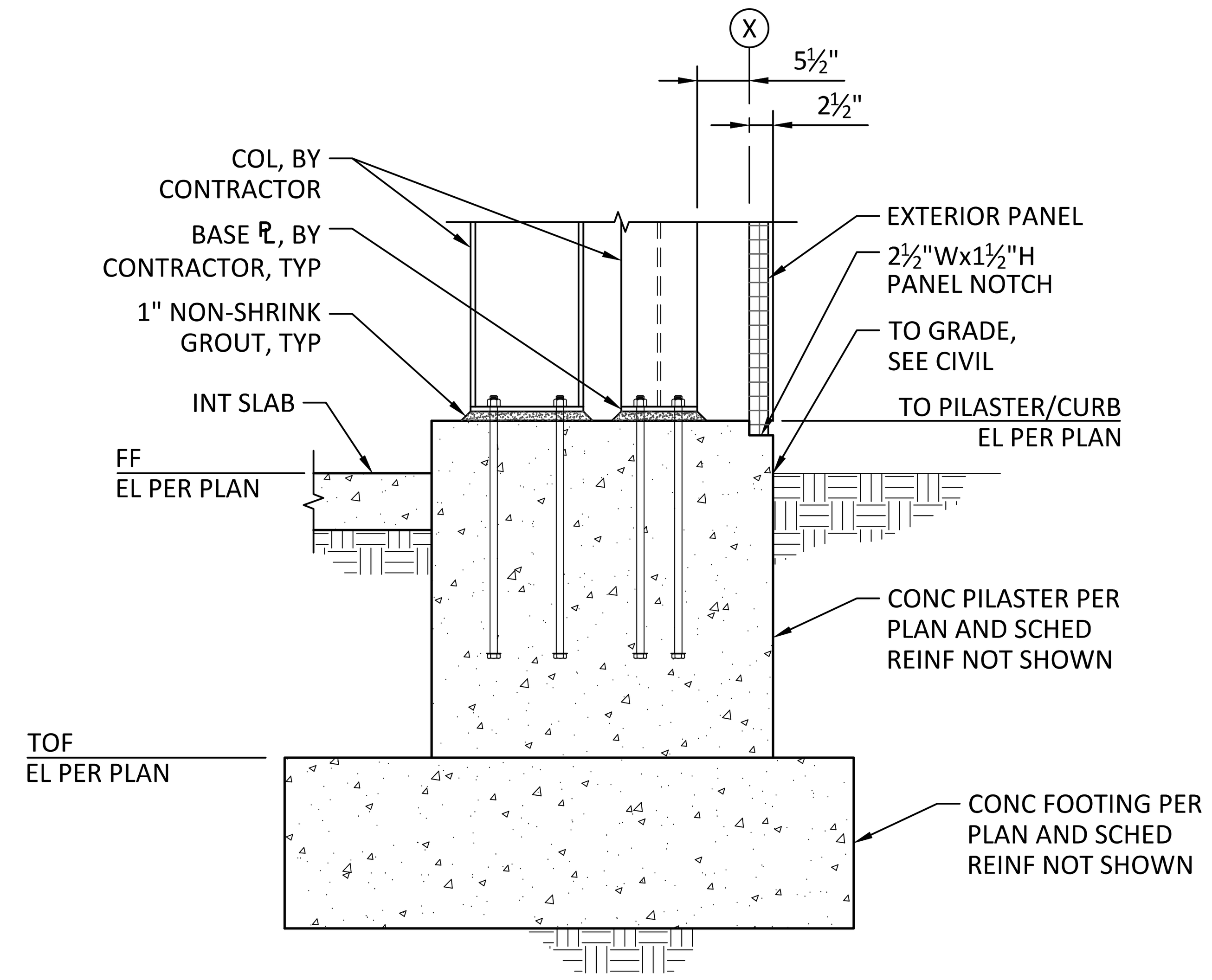
JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\S604.dwg Plot date: Oct 27, 2020 01:13pm, CAD User: Guerrero



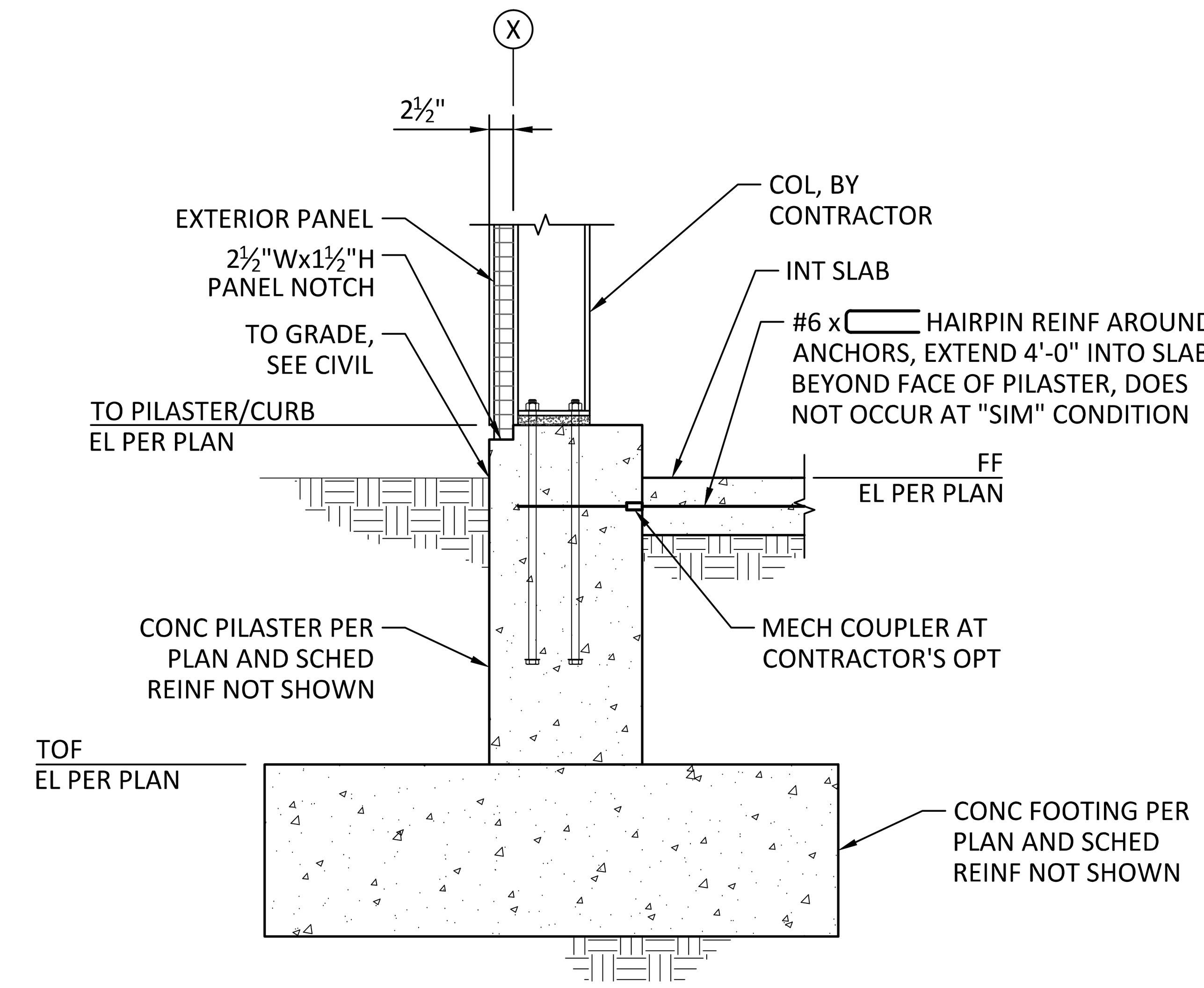
SECTION A / S600

SCALE: 3/4"= 1'-0"



SECTION B / S600

SCALE: 3/4"= 1'-0"



SECTION C / S600

SCALE: 3/4"= 1'-0"

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McMILLEN JACOBS ASSOCIATES

KLAMATH RIVER RENEWAL CORPORATION

KLAMATH RIVER RENEWAL CORPORATION

FALL CREEK FISH HATCHERY

SPAWNING BUILDING
SECTIONS AND DETAILS

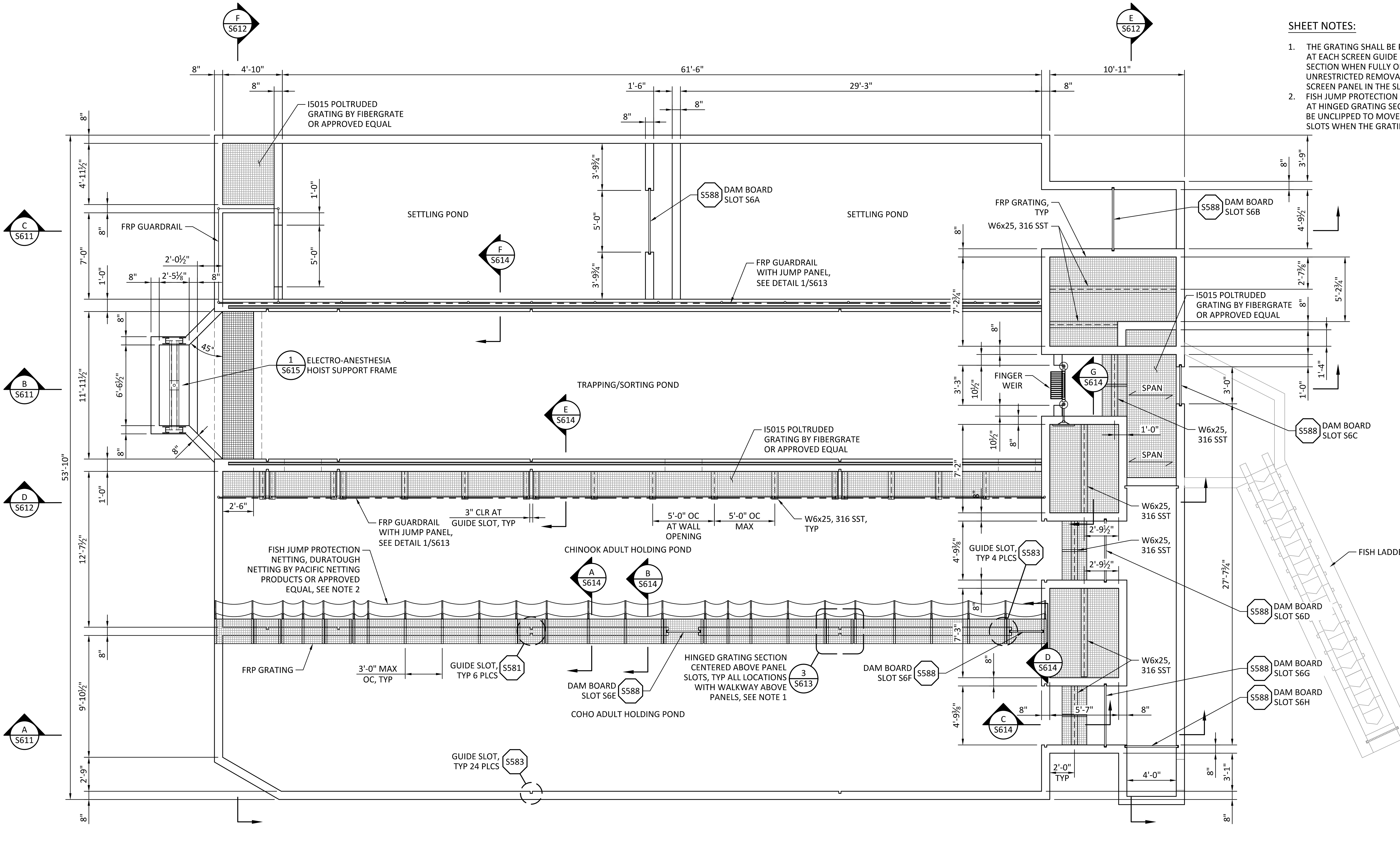
DESIGNED A. JABIR
DRAWN R. GUERRERO
CHECKED T. BOWEN
PROJECT DATE 10/28/20

DRAWING
S605

JOB NO: 000000

SHEET NOTES:

1. THE GRATING SHALL BE PROVIDED WITH A HINGE SECTIONS AT EACH SCREEN GUIDE LOCATION AS SHOWN. THE HINGED SECTION WHEN FULLY OPEN SHALL LAY FLAT AND ALLOW UNRESTRICTED REMOVAL AND INSTALLATION OF THE SCREEN PANEL IN THE SLOT.
2. FISH JUMP PROTECTION NETTING SHALL BE DISCONTINUOUS AT HINGED GRATING SECTIONS SO THAT THE NETTING CAN BE UNCLIPPED TO MOVE IT OUT OF THE WAY OF THE GUIDE SLOTS WHEN THE GRATING IS HINGED OPEN.



SETTLING PONDS AND ADULT HOLDING PONDS PLAN

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

1 S100

0' 4' 8'

REV	DATE	BY	DESCRIPTION
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McMILLEN JACOBS ASSOCIATES

KLAMATH RIVER RENEWAL CORPORATION

KLAMATH RIVER RENEWAL CORPORATION
FALL CREEK FISH HATCHERY
SETTLING PONDS AND ADULT HOLDING PONDS PLAN

DESIGNED Z. AUTIN
DRAWN R. GUERRERO
CHECKED T. BOWEN
PROJECT DATE 10/28/20

DRAWING S610

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\S610.dwg Plot date: Oct 27, 2020 01:14pm, CAD User: Guerrero

SHEET NOTES:

1. WHERE NOTED, POST-INSTALLED (EPOXY) REINFORCING STEEL DOWELS SHALL BE DISPLACED IF NEEDED TO AVOID DAMAGING EXISTING WALL REINFORCING. IN NO CASE SHALL THE FINAL BAR SPACING EXCEED 1.5 TIMES THE SPECIFIED SPACING.
2. 2" COVER, TYP.
3. THICKNESS OF EXISTING SLAB SHALL BE FIELD VERIFIED. NEW SLAB SHALL MATCH THICKNESS OF EXISTING SLAB, BUT SHALL BE NO LESS THAN 10".

SECTION A/S610

SCALE: 3/8"= 1'-0"

SECTION B/S610

SCALE: 3/8"= 1'-0"

SECTION C/S610

SCALE: 3/8"= 1'-0"

REV	DATE	BY	DESCRIPTION
0	10/28/20	MDM	ISSUED FOR CONSTRUCTION

REGISTERED PROFESSIONAL ENGINEER TAYLOR M. BOWEN No. C90694 CIVIL STATE OF CALIFORNIA 28 OCT 2020

WARNING
0 1/2 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

McMILLEN JACOBS ASSOCIATES

KLAMATH RIVER RENEWAL CORPORATION

KLAMATH RIVER RENEWAL CORPORATION

FALL CREEK FISH HATCHERY

SETTLING PONDS AND ADULT HOLDING PONDS SECTIONS 1

DESIGNED Z. AUTIN
DRAWN R. GUERRERO
CHECKED T. BOWEN
PROJECT DATE 10/28/20

DRAWING S611

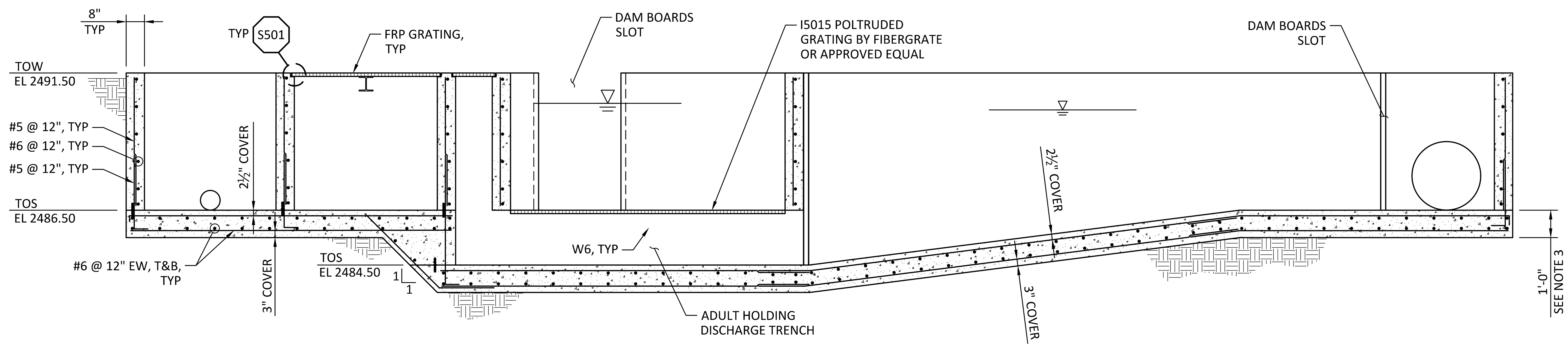
Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\S611.dwg Plot date: Oct 27, 2020 01:14pm, CAD User: Guerrero

JOB NO: 000000

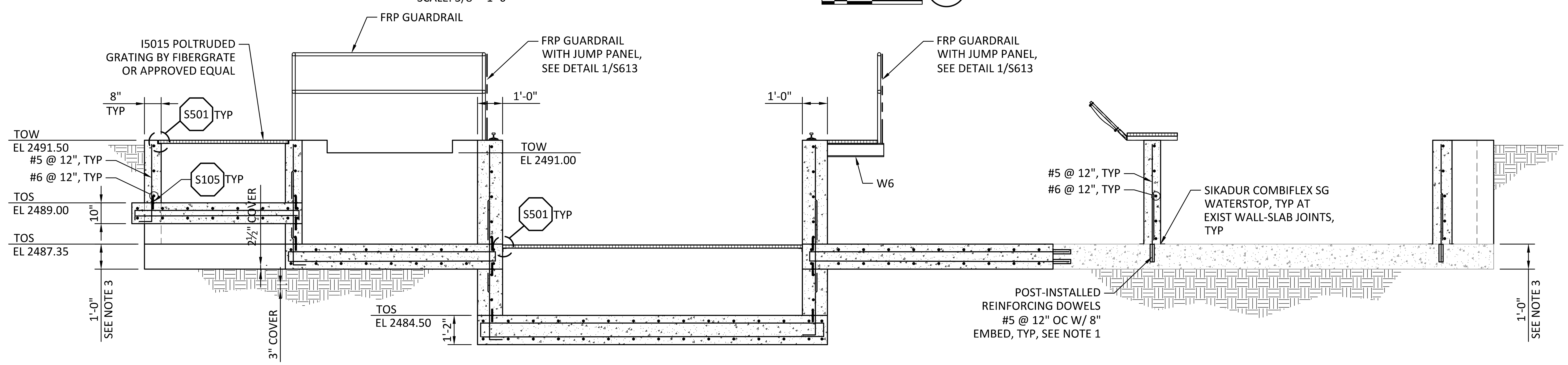
SHEET NOTES:

1. WHERE NOTED, POST-INSTALLED (EPOXY) REINFORCING STEEL DOWELS SHALL BE DISPLACED IF NEEDED TO AVOID DAMAGING EXISTING WALL REINFORCING. IN NO CASE SHALL THE FINAL BAR SPACING EXCEED 1.5 TIMES THE SPECIFIED SPACING.
2. 2" COVER, TYP.
3. THICKNESS OF EXISTING SLAB SHALL BE FIELD VERIFIED. NEW SLAB SHALL MATCH THICKNESS OF EXISTING SLAB, BUT SHALL BE NO LESS THAN 10".

SECTION D S610
SCALE: 3/8"= 1'-0"



SECTION E S610
SCALE: 3/8"= 1'-0"



SECTION F S610
SCALE: 3/8"= 1'-0"

REV	DATE	BY	DESCRIPTION
0	10/28/20	MDM	ISSUED FOR CONSTRUCTION

REGISTERED PROFESSIONAL ENGINEER TAYLOR M. BOWEN No. C90694 CIVIL STATE OF CALIFORNIA 28 OCT 2020

WARNING
0 1/2 1
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McMILLEN JACOBS ASSOCIATES

KLAMATH RIVER RENEWAL CORPORATION

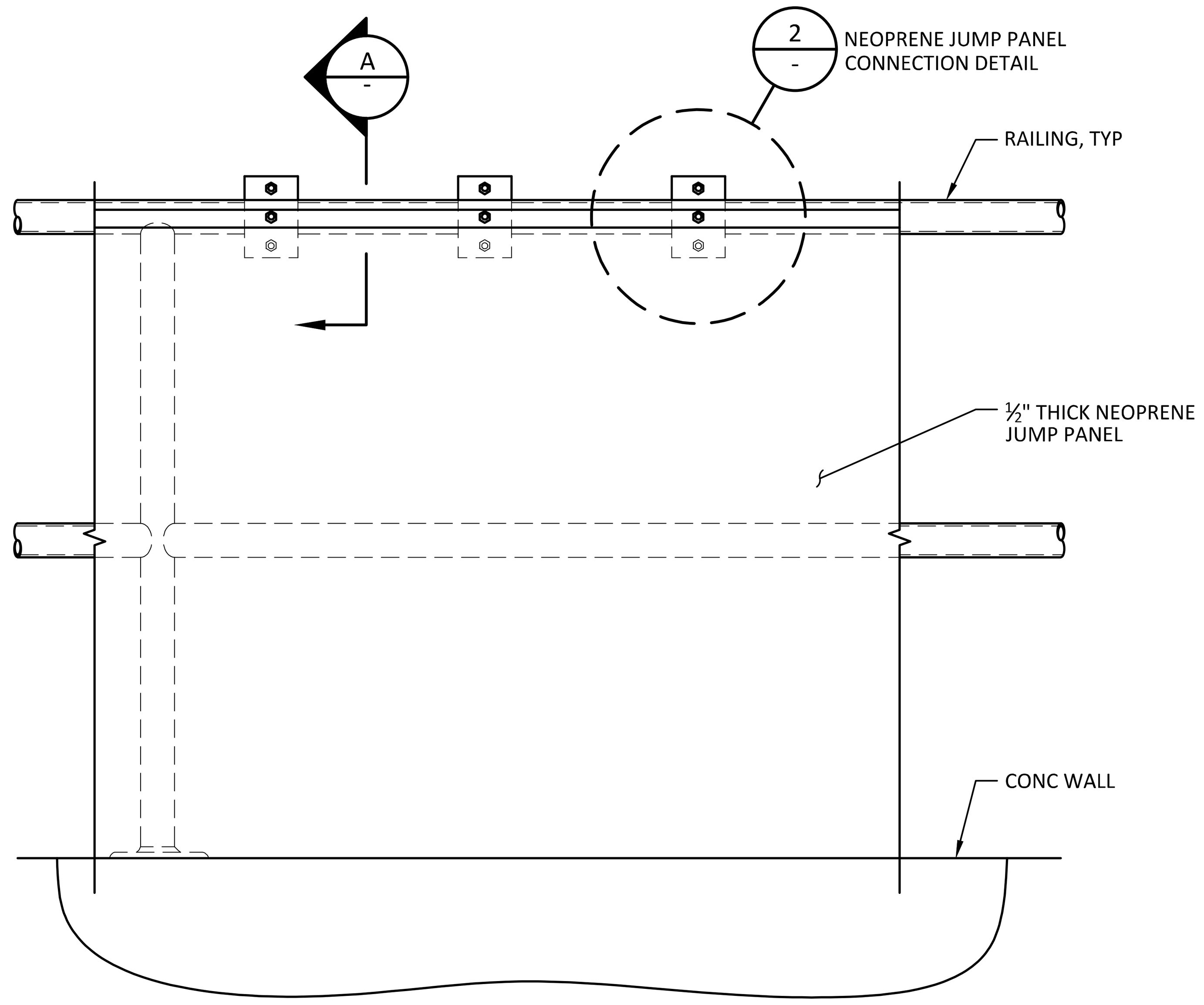
KLAMATH RIVER RENEWAL CORPORATION
FALL CREEK FISH HATCHERY
SETTLING PONDS AND ADULT HOLDING PONDS SECTIONS 2

DESIGNED Z. AUTIN
DRAWN R. GUERRERO
CHECKED T. BOWEN
PROJECT DATE 10/28/20

DRAWING S612

JOB NO: 000000

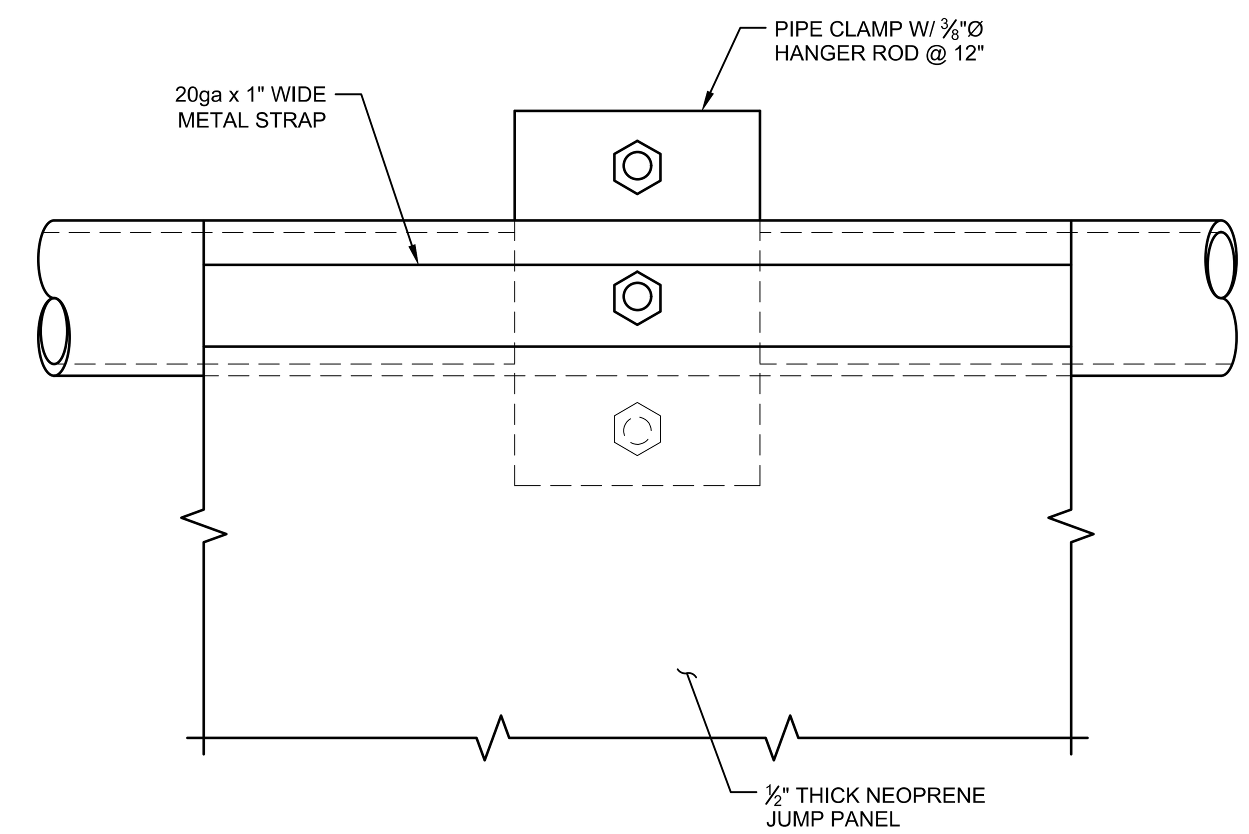
Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\S612.dwg Plot date: Oct 27, 2020 01:14pm, CAD User: Guerrero



NEOPRENE JUMP PANEL - DETAIL

SCALE: 1 1/2"= 1'-0"

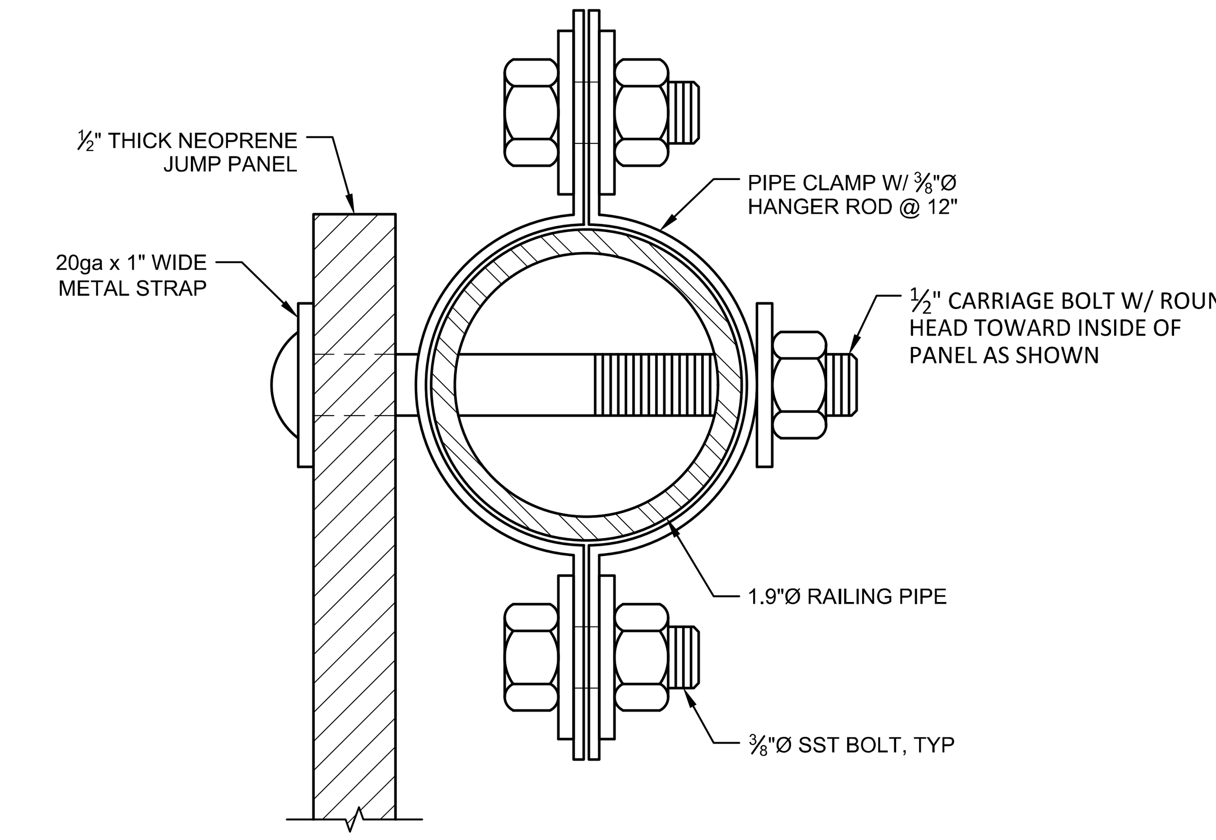
1
S610



NEOPRENE JUMP PANEL CONNECTION - DETAIL

SCALE: 6"= 1'-0"

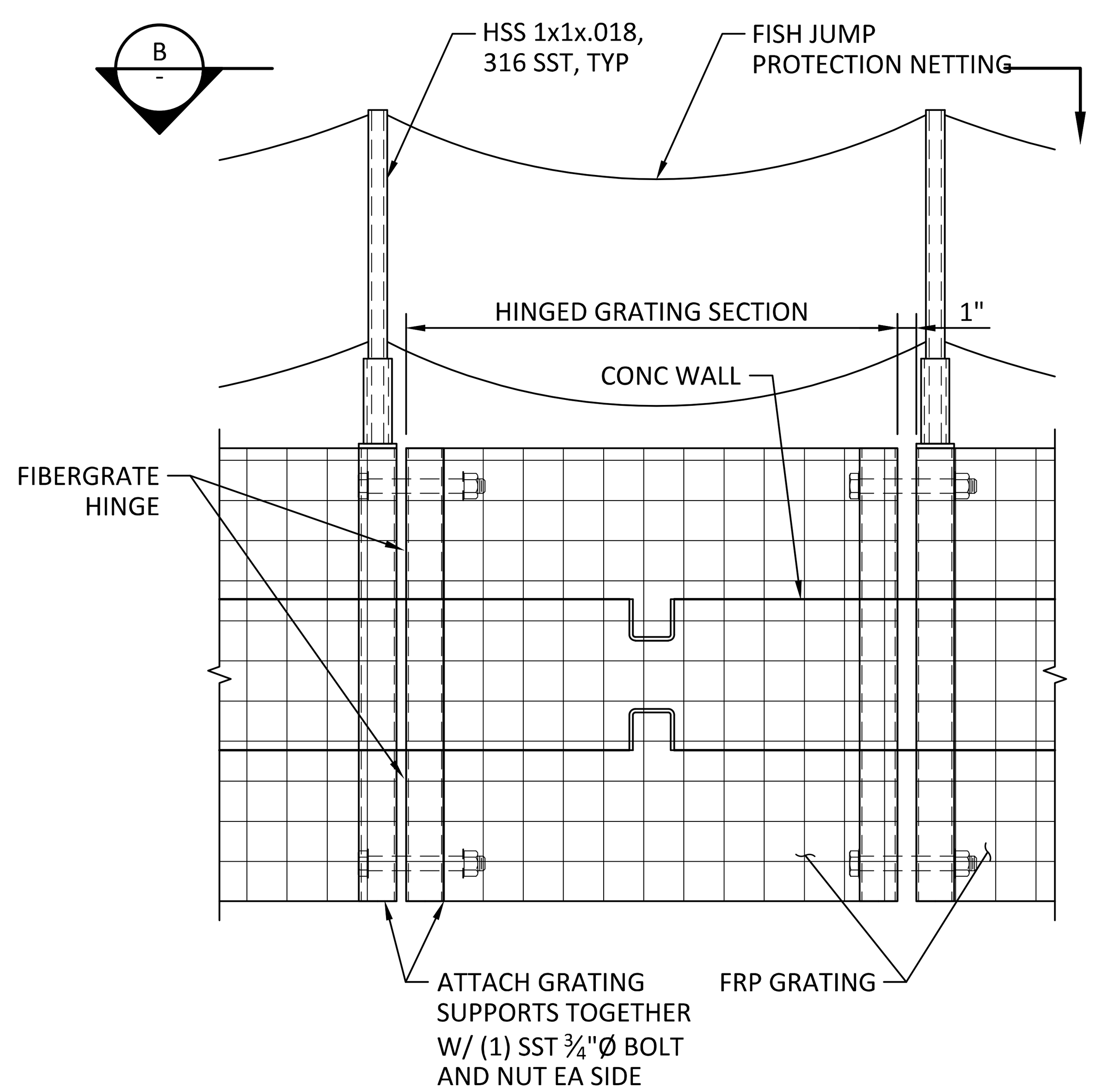
2
-



NEOPRENE JUMP PANEL - SECTION

SCALE: 12"= 1'-0"

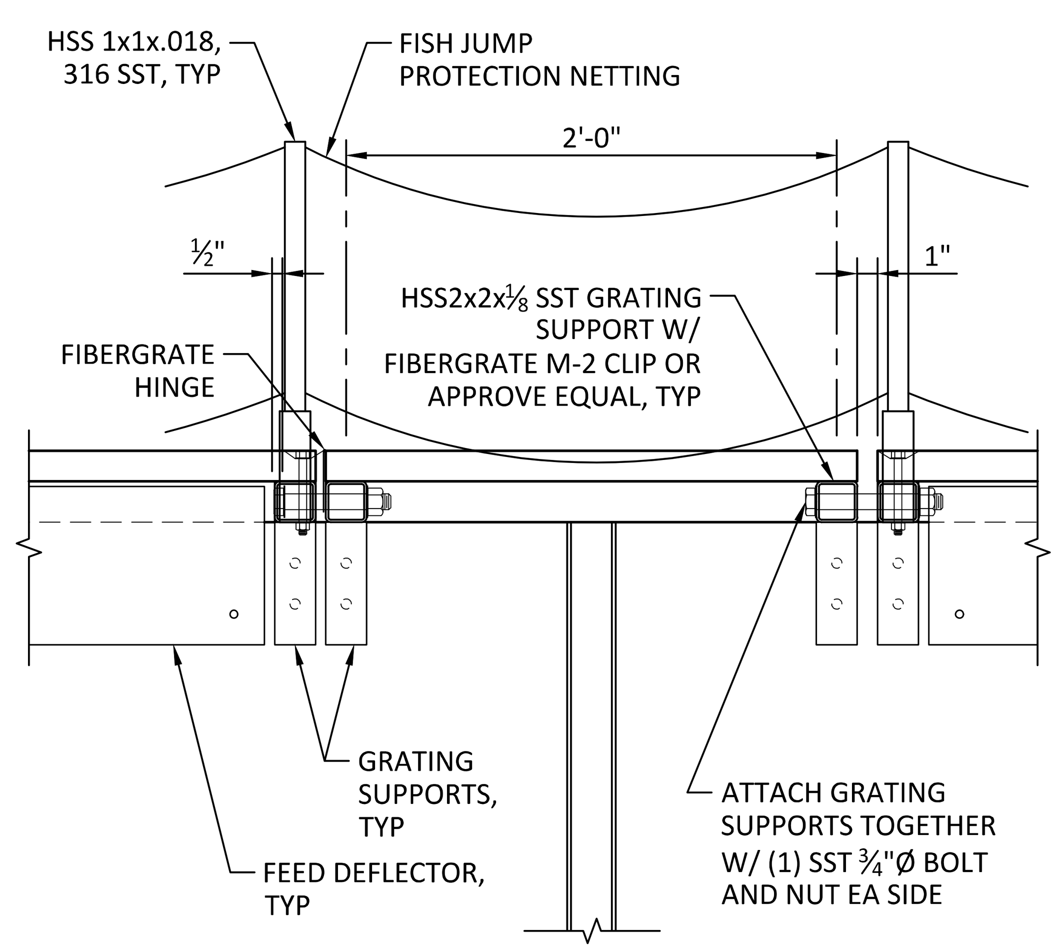
A
-



HINGED GRATING @ SCREEN GUIDES

SCALE: 1 1/2"= 1'-0"

3
S610



HINGED GRATING SECTION

SCALE: 1 1/2"= 1'-0"

B
-

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\S613.dwg Plot date: Oct 27, 2020 01:14pm, CAD User: Guerrero

REV	DATE	BY	DESCRIPTION
0	10/28/20	MDM	ISSUED FOR CONSTRUCTION

REGISTERED PROFESSIONAL ENGINEER
TAYLOR M. BOWEN
No. C90694
28 OCT 2020
CIVIL
STATE OF CALIFORNIA

WARNING

0 1/2 1

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McMILLEN JACOBS ASSOCIATES

KLAMATH RIVER RENEWAL CORPORATION

KLAMATH RIVER RENEWAL CORPORATION

FALL CREEK FISH HATCHERY

SETTLING PONDS AND
ADULT HOLDING PONDS
SECTIONS AND DETAILS 1

DESIGNED Z. AUTIN

DRAWN R. GUERRERO

CHECKED T. BOWEN

PROJECT DATE 10/28/20

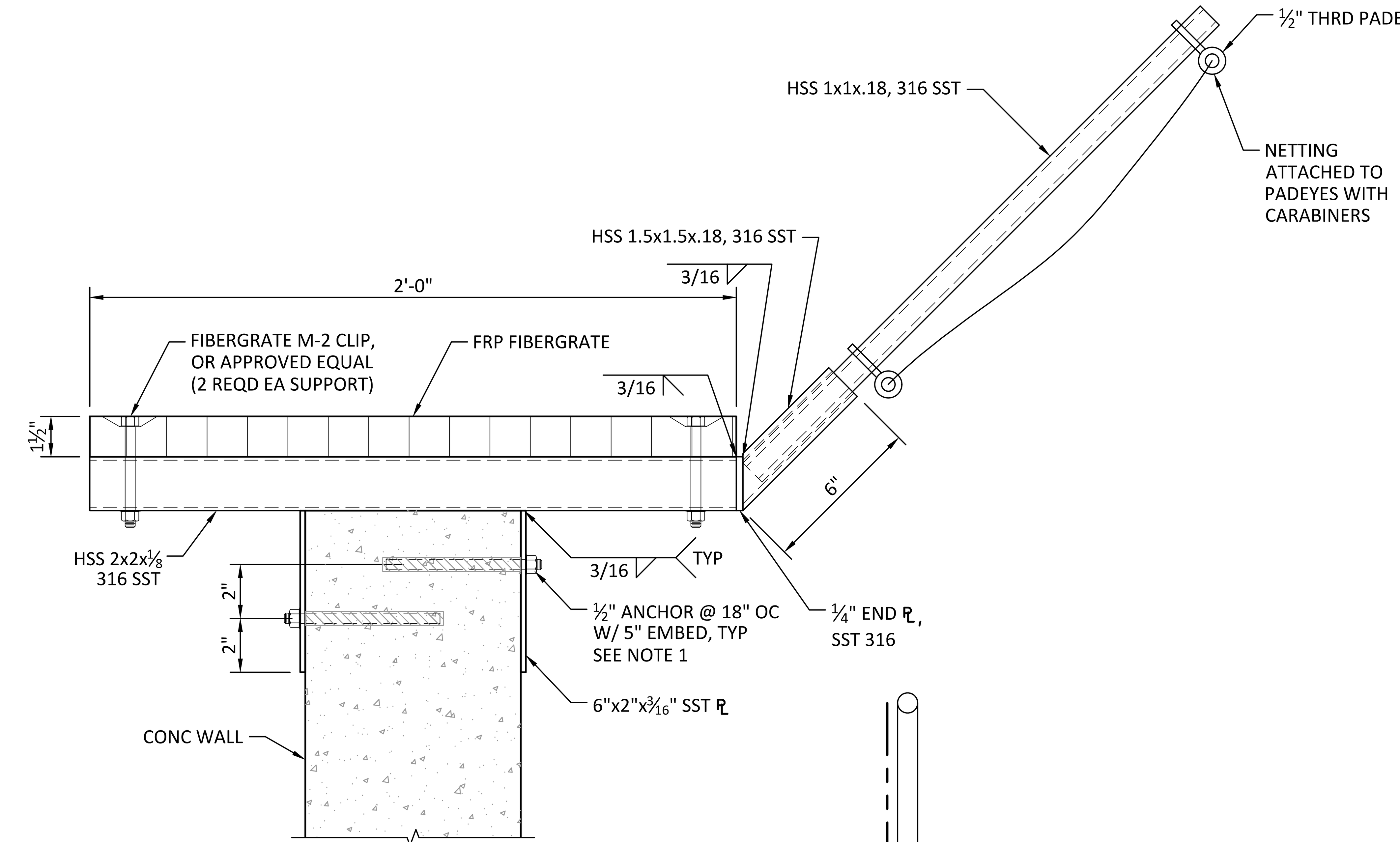
DRAWING

S613

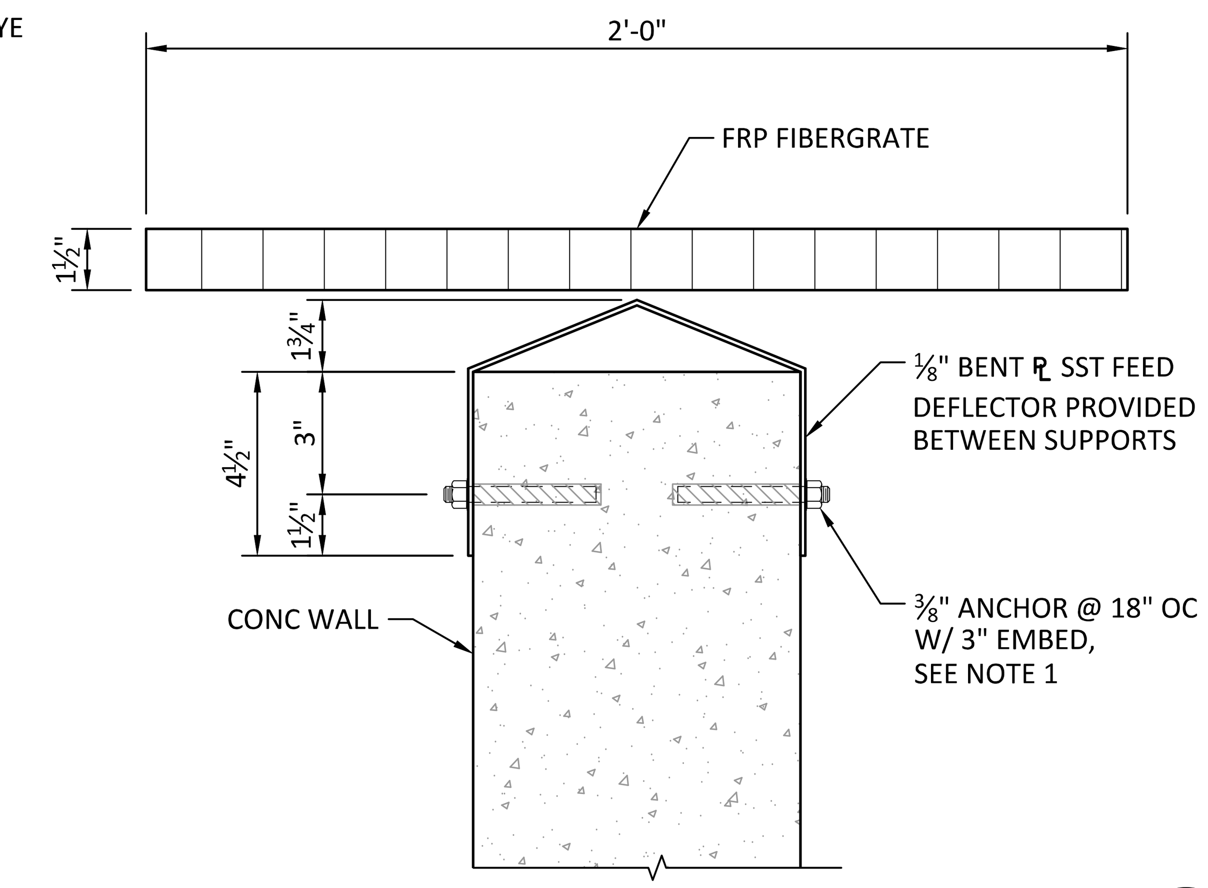
JOB NO: 000000

SHEET NOTES:

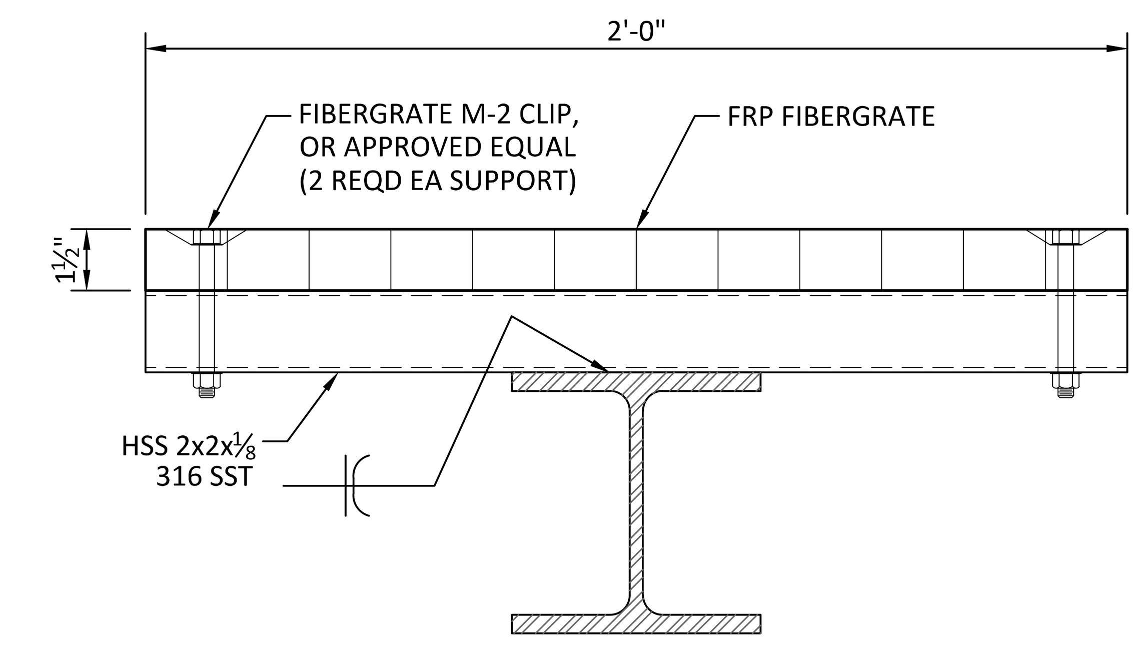
1. ALL ANCHORS SHALL BE HILTI HAS-R 304 SST W/ HILTI HIT-500 V3 EPOXY.



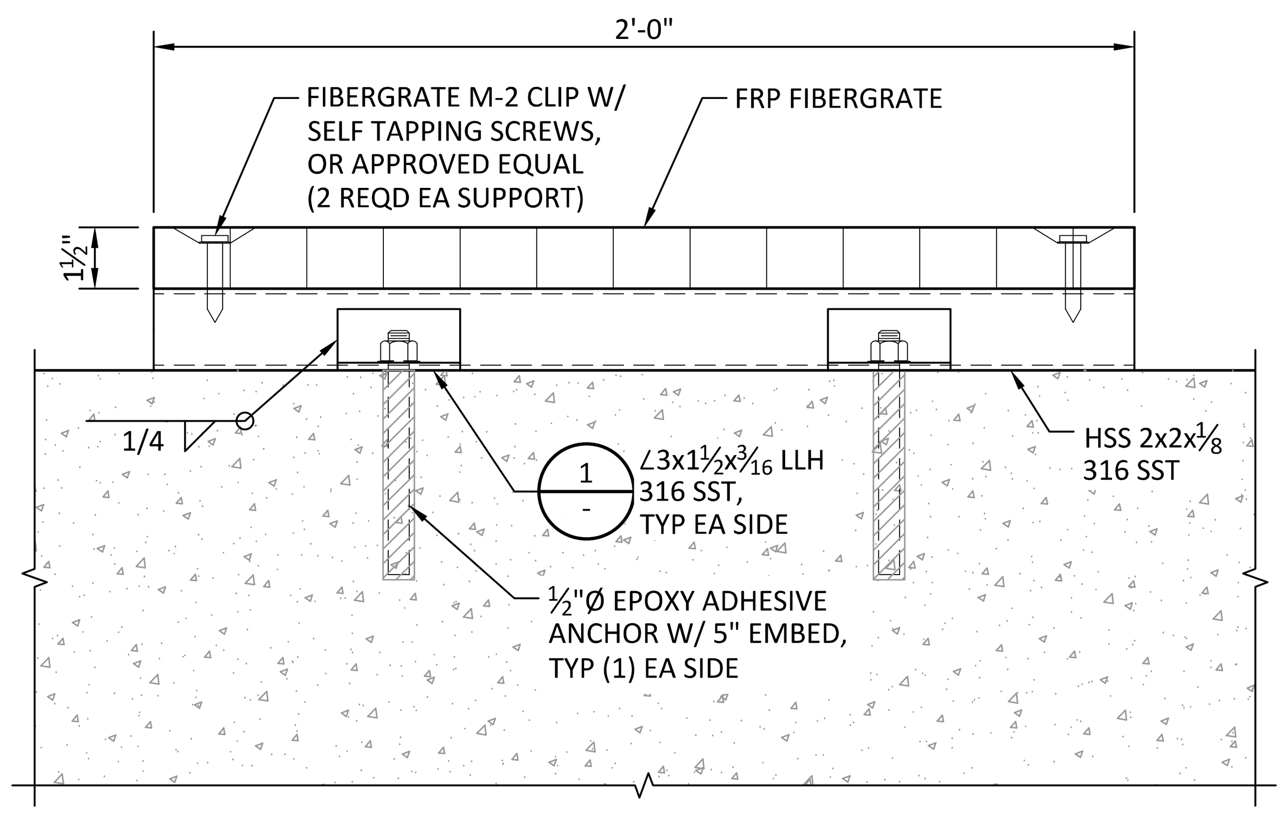
SECTION A/S610
SCALE: 3"= 1'-0"



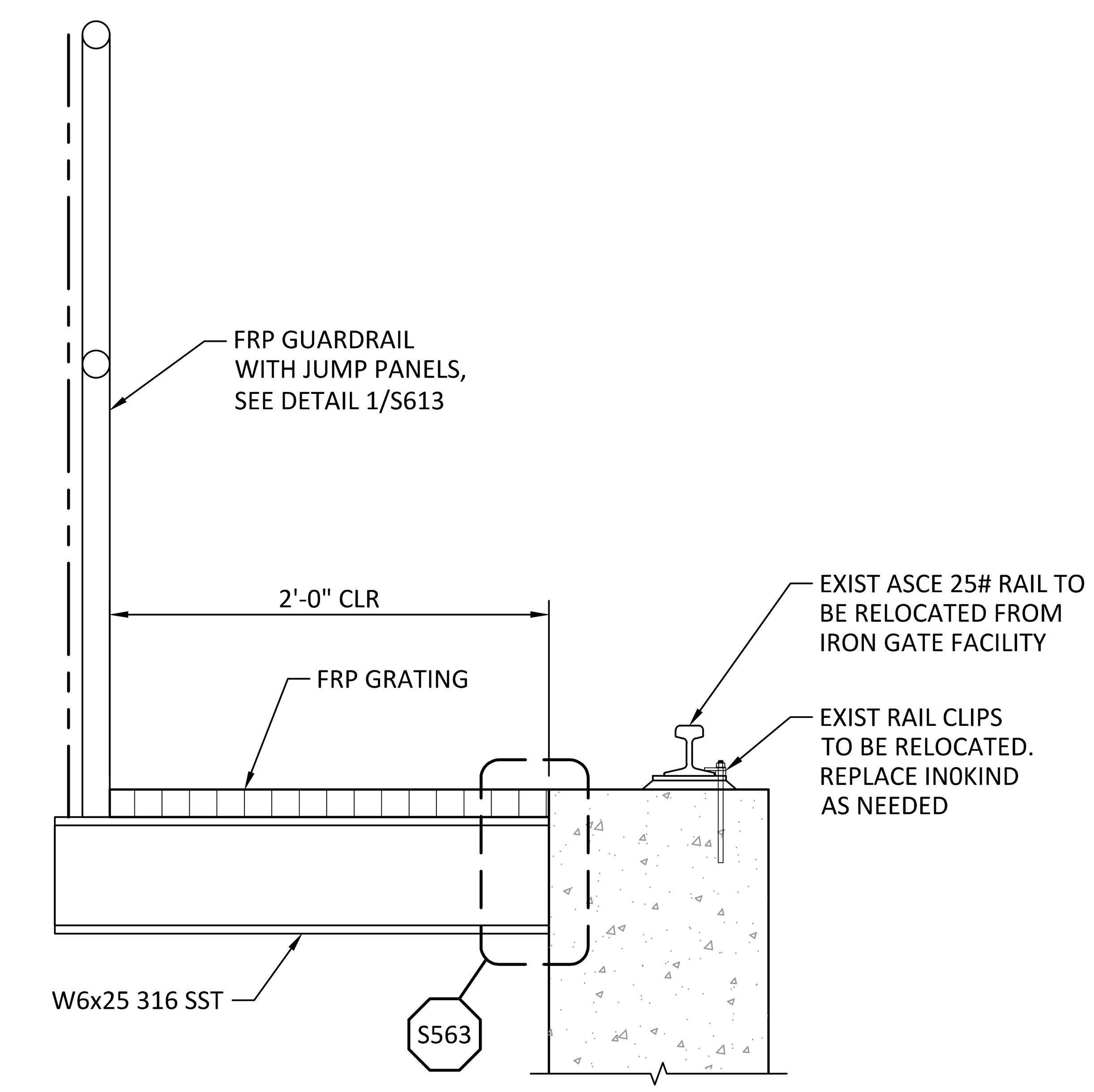
SECTION B/S610
SCALE: 3"= 1'-0"



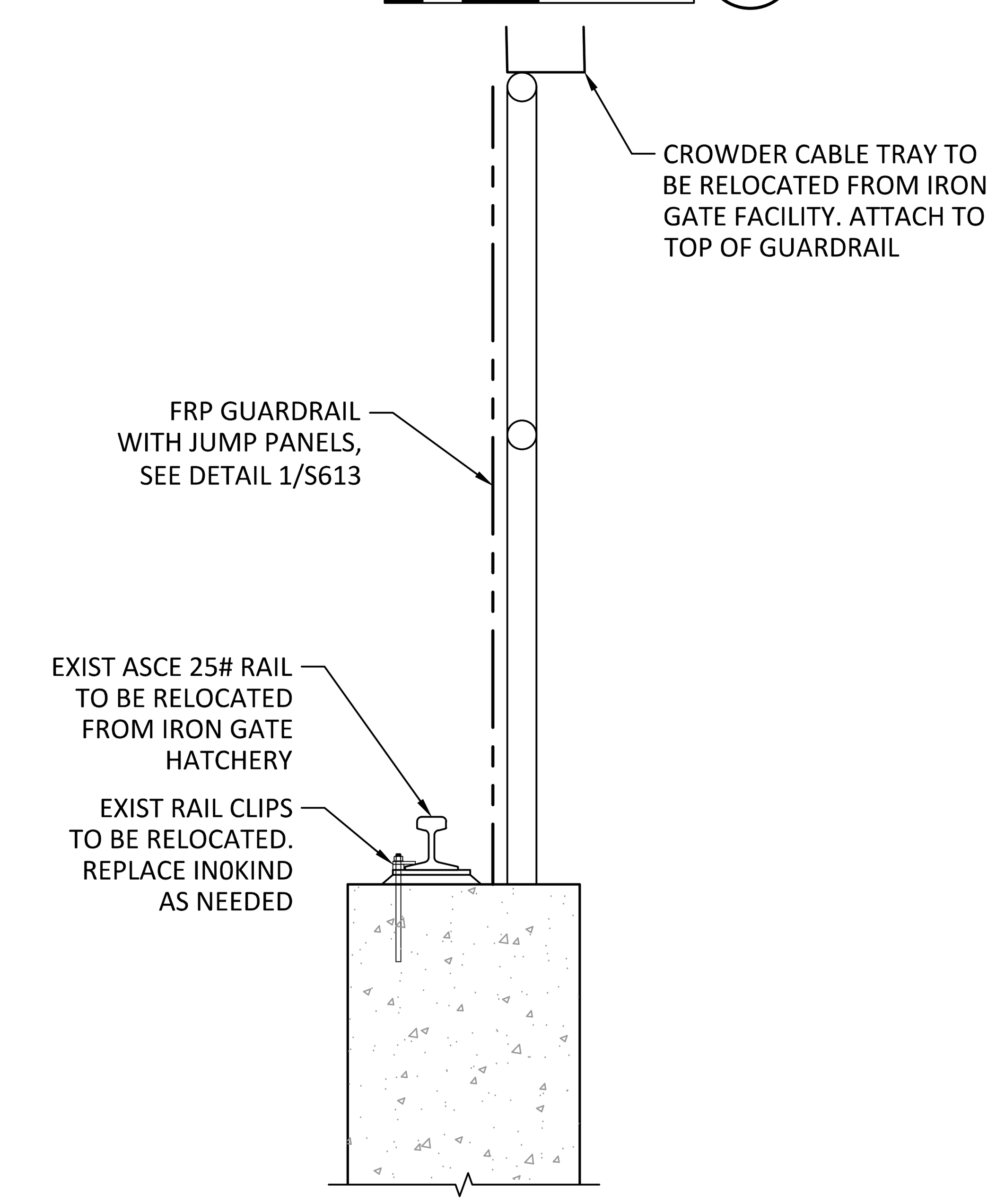
SECTION C/S610
SCALE: 3"= 1'-0"



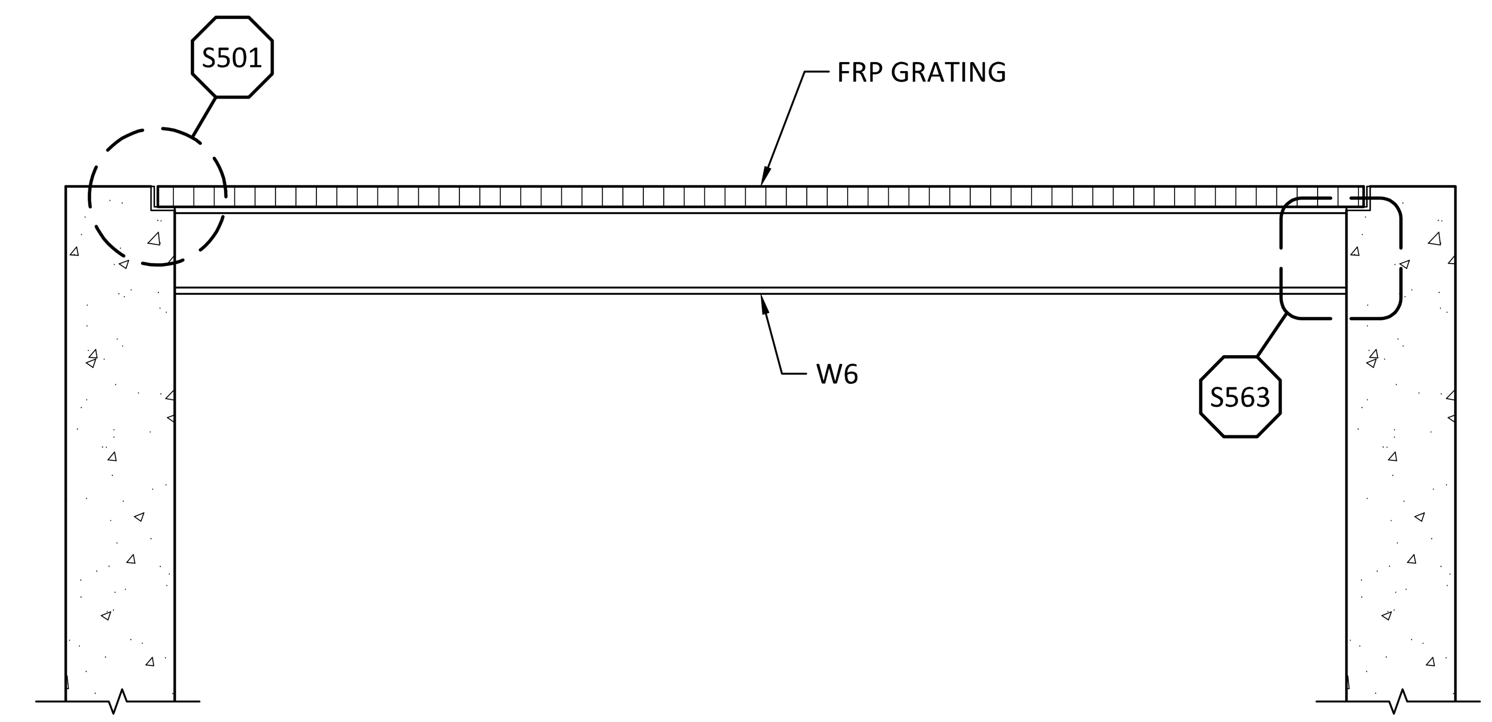
SECTION D/S610
SCALE: 3"= 1'-0"



SECTION E/S610
SCALE: 1 1/2"= 1'-0"

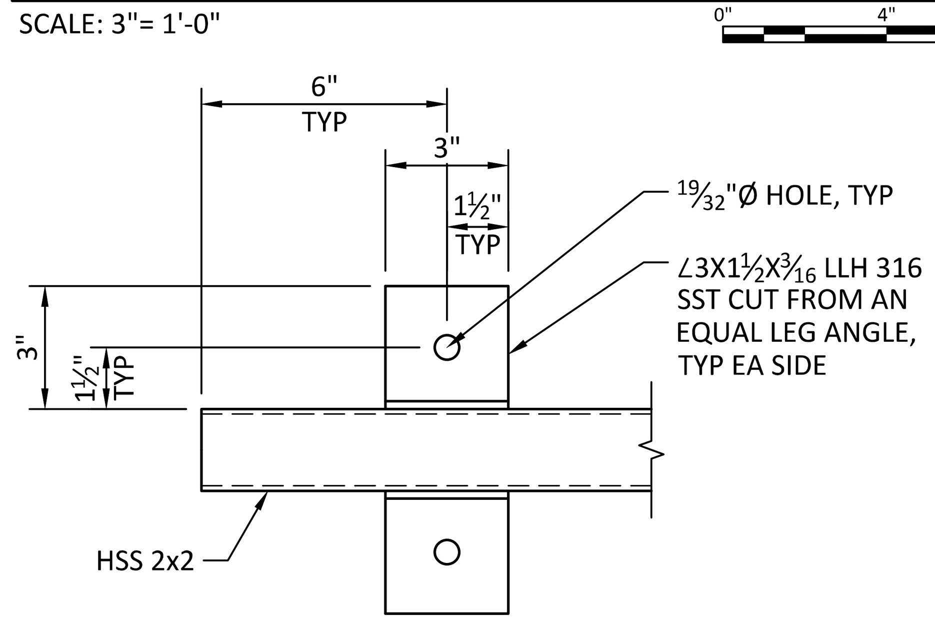


SECTION F/S610
SCALE: 1 1/2"= 1'-0"

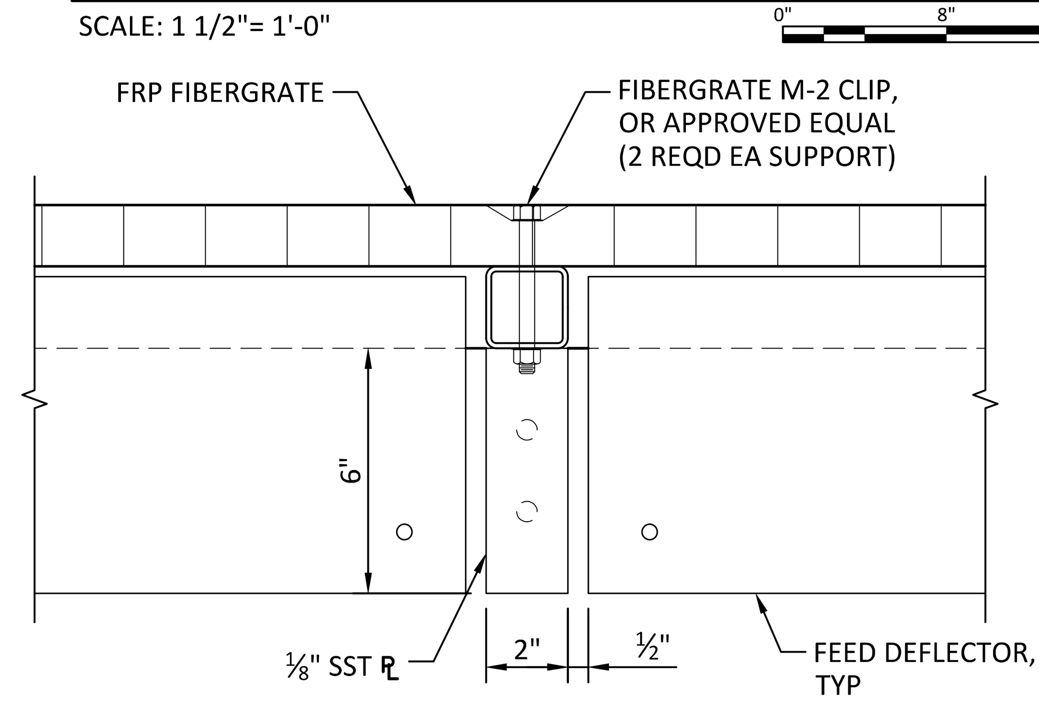


NOTE:
TYP ALL PLATFORMS.

SECTION G/S610
SCALE: 1"= 1'-0"



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



DETAIL 2/S611
SCALE: 3"= 1'-0"

REV	DATE	BY	DESCRIPTION
0	10/28/20	MDM	ISSUED FOR CONSTRUCTION

REGISTERED PROFESSIONAL ENGINEER TAYLOR M. BOWEN No. C90694 CIVIL 28 OCT 2020 STATE OF CALIFORNIA

WARNING
0 1/2 1
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McMILLEN JACOBS ASSOCIATES

KLAMATH RIVER RENEWAL CORPORATION

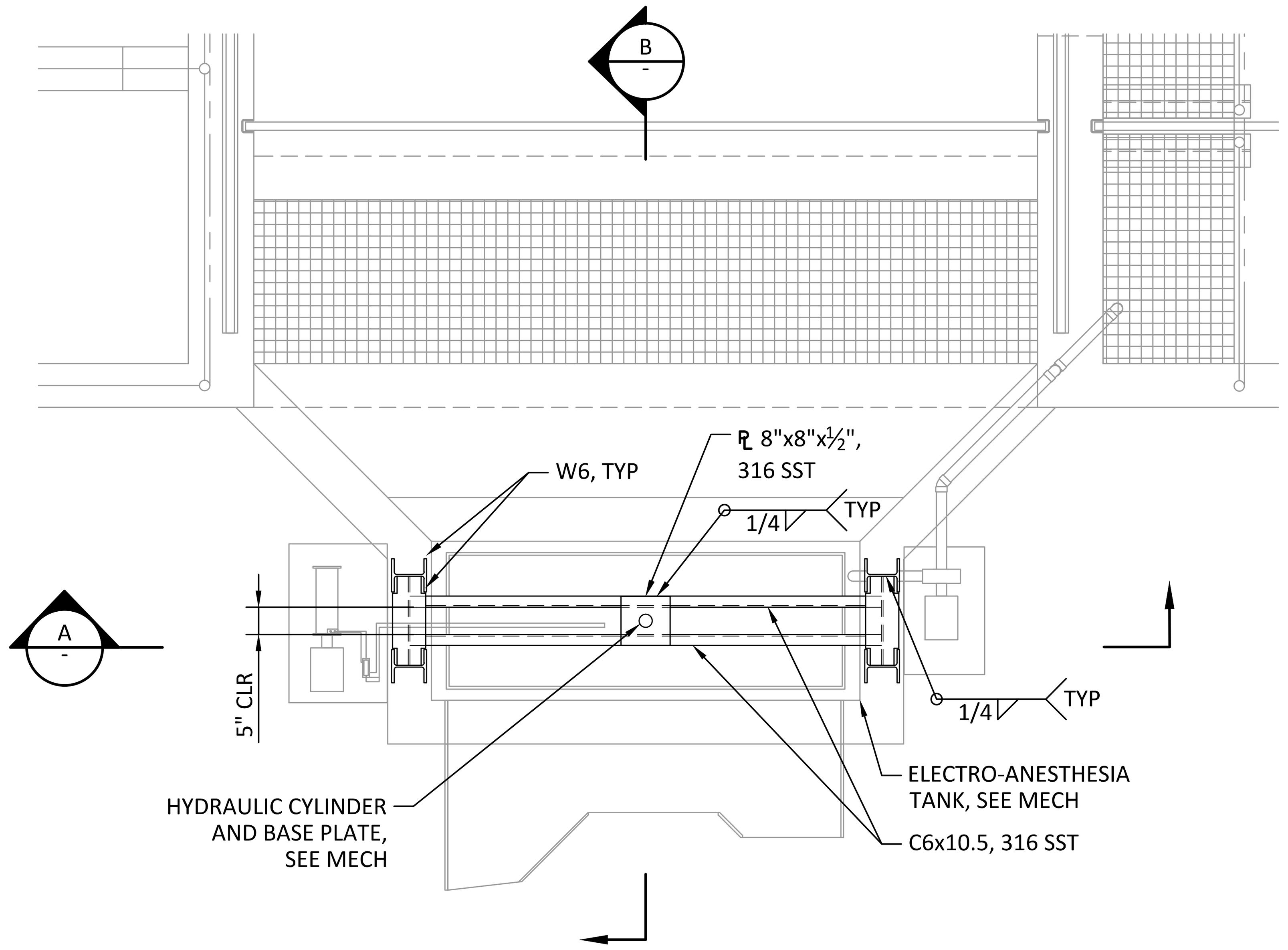
KLAMATH RIVER RENEWAL CORPORATION
FALL CREEK FISH HATCHERY
SETTLING PONDS AND ADULT HOLDING PONDS SECTIONS AND DETAILS 2

DESIGNED Z. AUTIN
DRAWN R. GUERRERO
CHECKED T. BOWEN
PROJECT DATE 10/28/20

DRAWING
S614

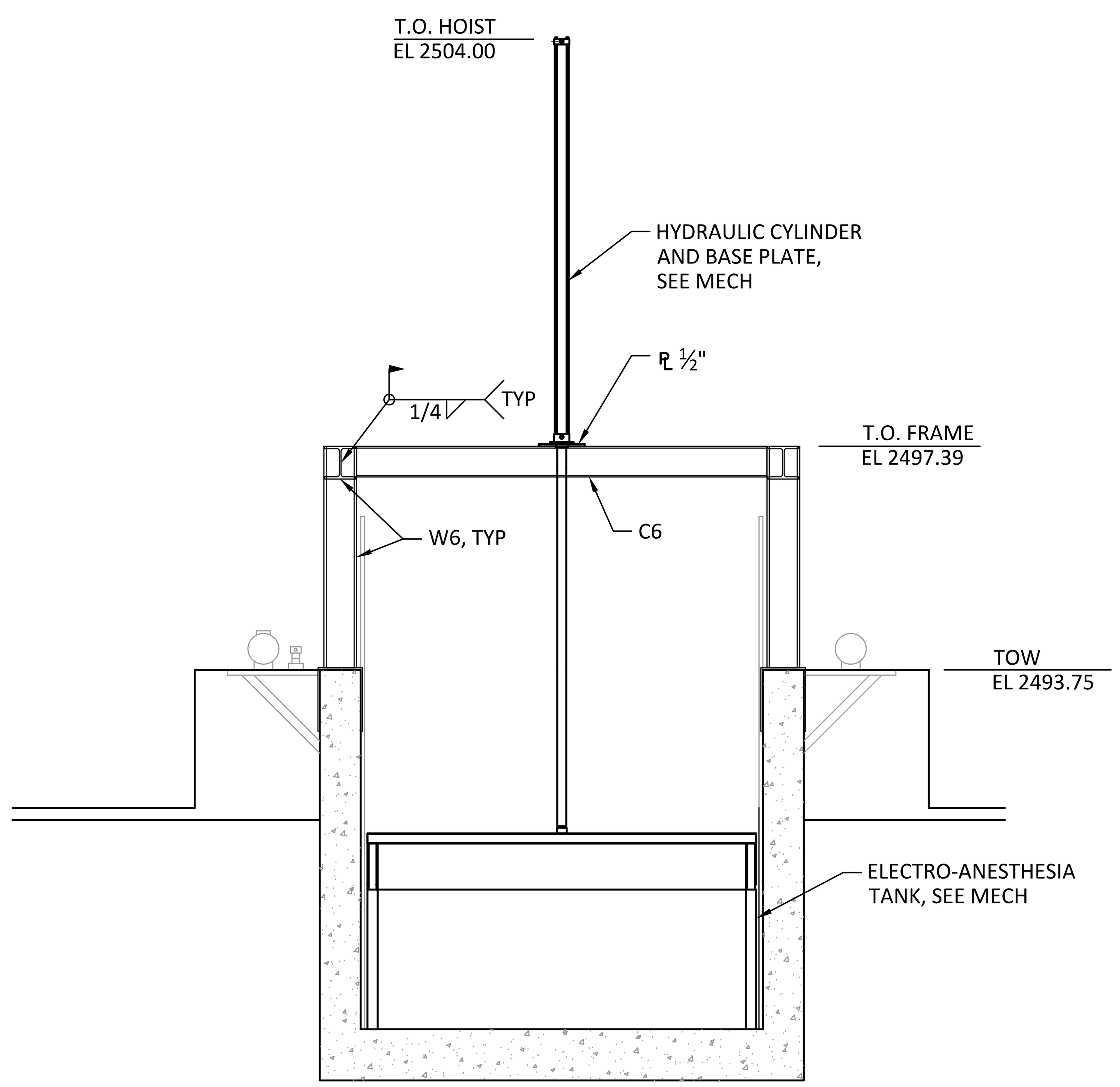
JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\S614.dwg Plot date: Oct 27, 2020 01:14pm, CAD User: Guerrero



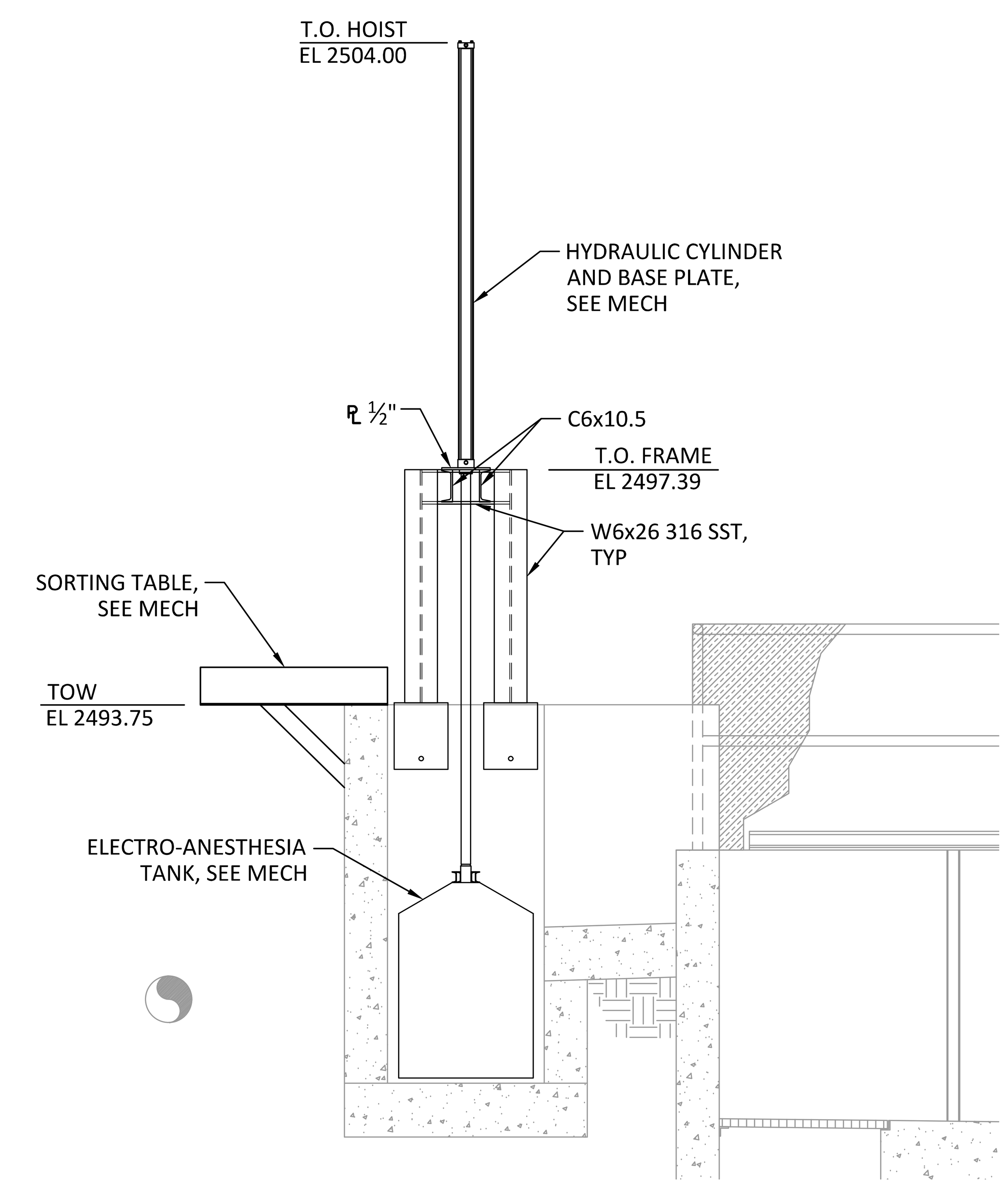
ELECTRO-ANESTHESIA HOIST SUPPORT FRAME - DETAIL 1 / S610

SCALE: 1/2"= 1'-0"



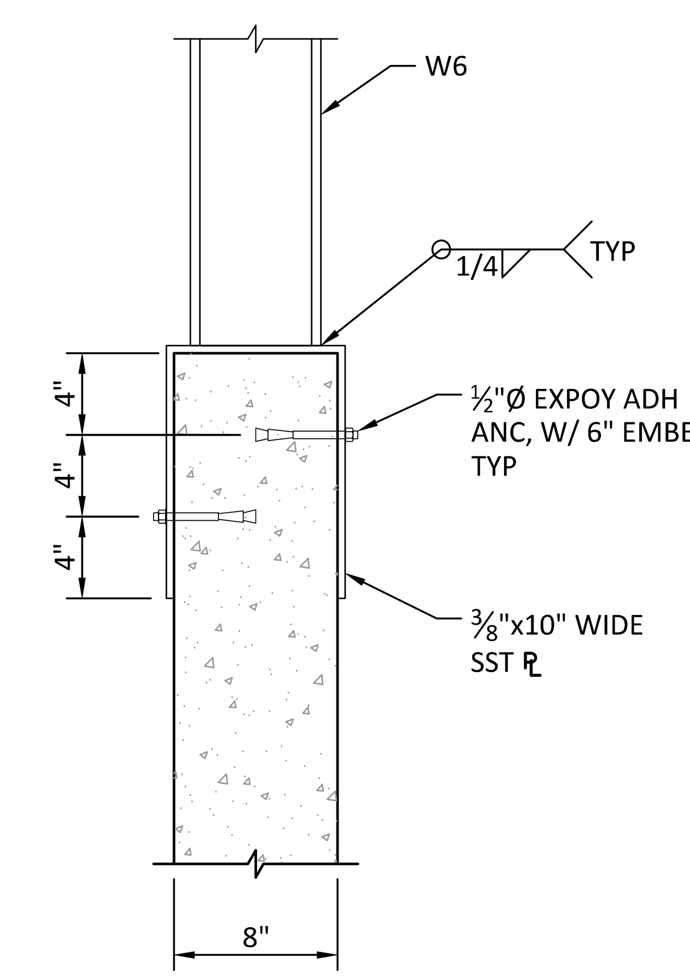
ELECTRO-ANESTHESIA TANK - SECTION A / -

SCALE: 1/2"= 1'-0"



ELECTRO-ANESTHESIA TANK - SECTION B / -

SCALE: 1/2"= 1'-0"



DETAIL 2 / -

SCALE: 1 1/2"= 1'-0"

REV	DATE	BY	DESCRIPTION
0	10/28/20	MDM	ISSUED FOR CONSTRUCTION

REGISTERED PROFESSIONAL ENGINEER TAYLOR M. BOWEN No. C90694 28 OCT 2020 CIVIL STATE OF CALIFORNIA

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McMILLEN JACOBS ASSOCIATES

KLAMATH RIVER RENEWAL CORPORATION

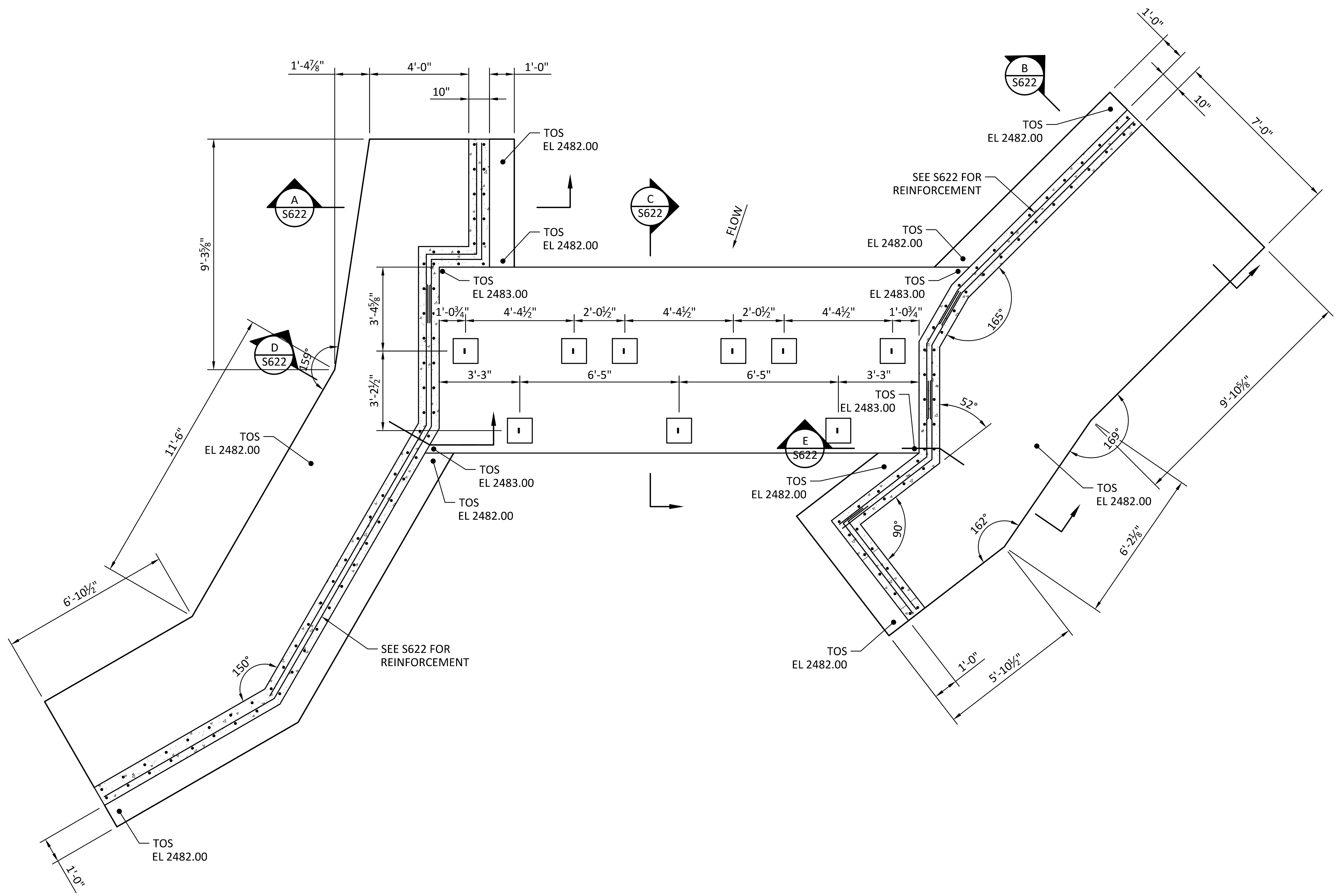
KLAMATH RIVER RENEWAL CORPORATION
FALL CREEK FISH HATCHERY
SETTLING PONDS AND ADULT HOLDING PONDS SECTIONS AND DETAILS 3

DESIGNED Z. AUTIN
DRAWN R. GUERRERO
CHECKED T. BOWEN
PROJECT DATE 10/28/20

DRAWING S615

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\S615.dwg Plot date: Oct 27, 2020 01:14pm, CAD User: Guerrero



FISH BARRIER FOUNDATION PLAN

SCALE: 3/8"= 1'-0"

0' 2' 4'

1
S100

REV	DATE	BY	DESCRIPTION
0	10/28/20	MDM	ISSUED FOR CONSTRUCTION

REGISTERED PROFESSIONAL ENGINEER
TAYLOR M. BOWEN
No. C90694
28 OCT 2020
CIVIL
STATE OF CALIFORNIA

WARNING

0 1/2 1

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McMILLEN JACOBS ASSOCIATES

KLAMATH RIVER RENEWAL CORPORATION

KLAMATH RIVER RENEWAL CORPORATION

FALL CREEK FISH HATCHERY

FISH BARRIER FOUNDATION PLAN

DESIGNED Z. AUTIN

DRAWN R. GUERRERO

CHECKED T. BOWEN

PROJECT DATE 10/28/20

DRAWING

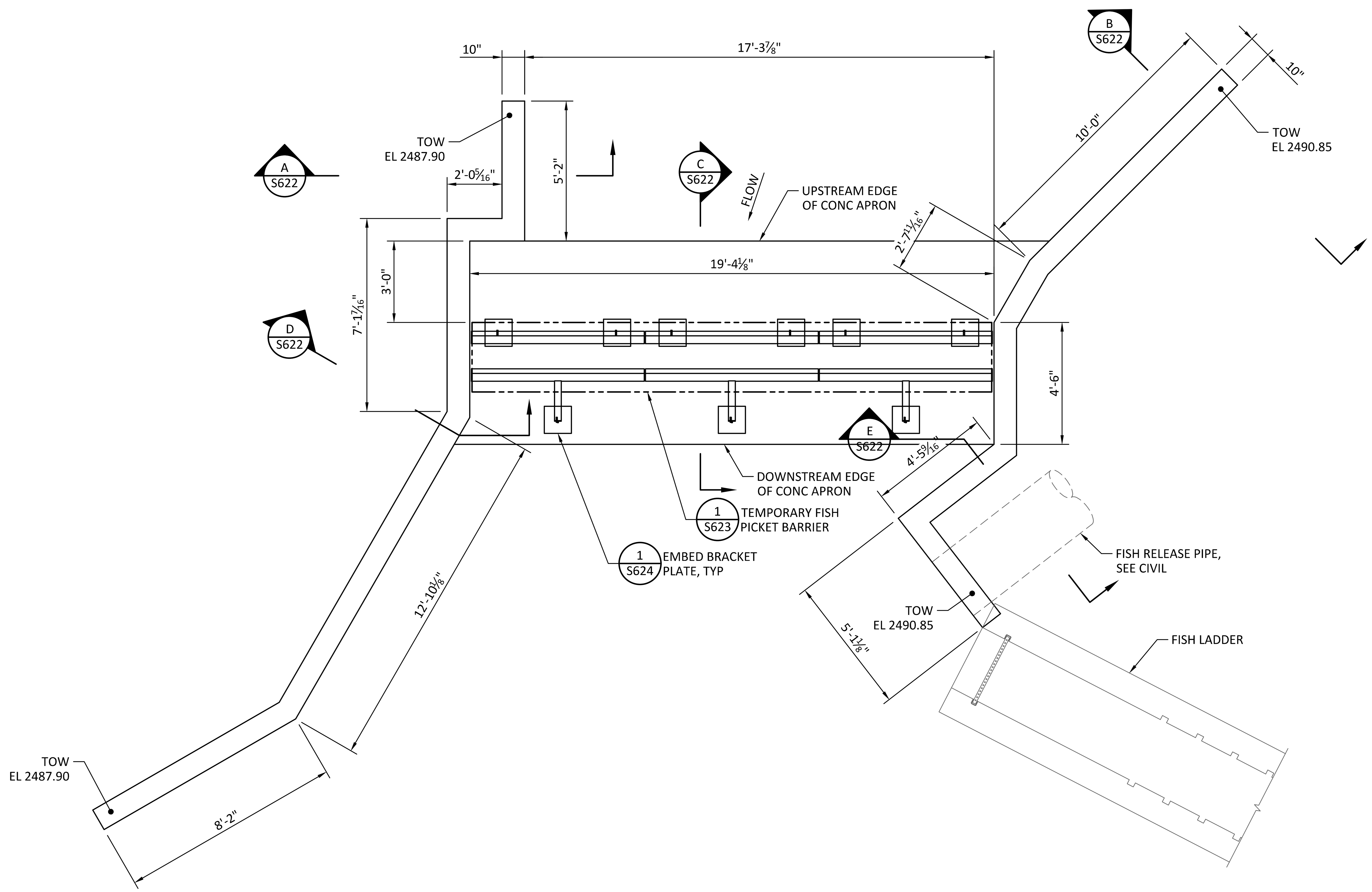
S620

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\S620.dwg Plot date: Oct 27, 2020 01:14pm, CAD User: Guerrero

SHEET NOTES:

1. PICKET RODS NOT SHOWN FOR CLARITY.



FISH BARRIER TOP PLAN

SCALE: 3/8"= 1'-0"

0' 2' 4'

REV	DATE	BY	DESCRIPTION
0	10/28/20	MDM	ISSUED FOR CONSTRUCTION

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TAYLOR M. BOWEN
No. C90694
28 OCT 2020
CIVIL
STATE OF CALIFORNIA

WARNING

0 1/2 1

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McMILLEN JACOBS ASSOCIATES

KLAMATH RIVER RENEWAL CORPORATION

KLAMATH RIVER RENEWAL CORPORATION

FALL CREEK FISH HATCHERY

FISH BARRIER TOP PLAN

DESIGNED Z. AUTIN

DRAWN R. GUERRERO

CHECKED T. BOWEN

PROJECT DATE 10/28/20

DRAWING

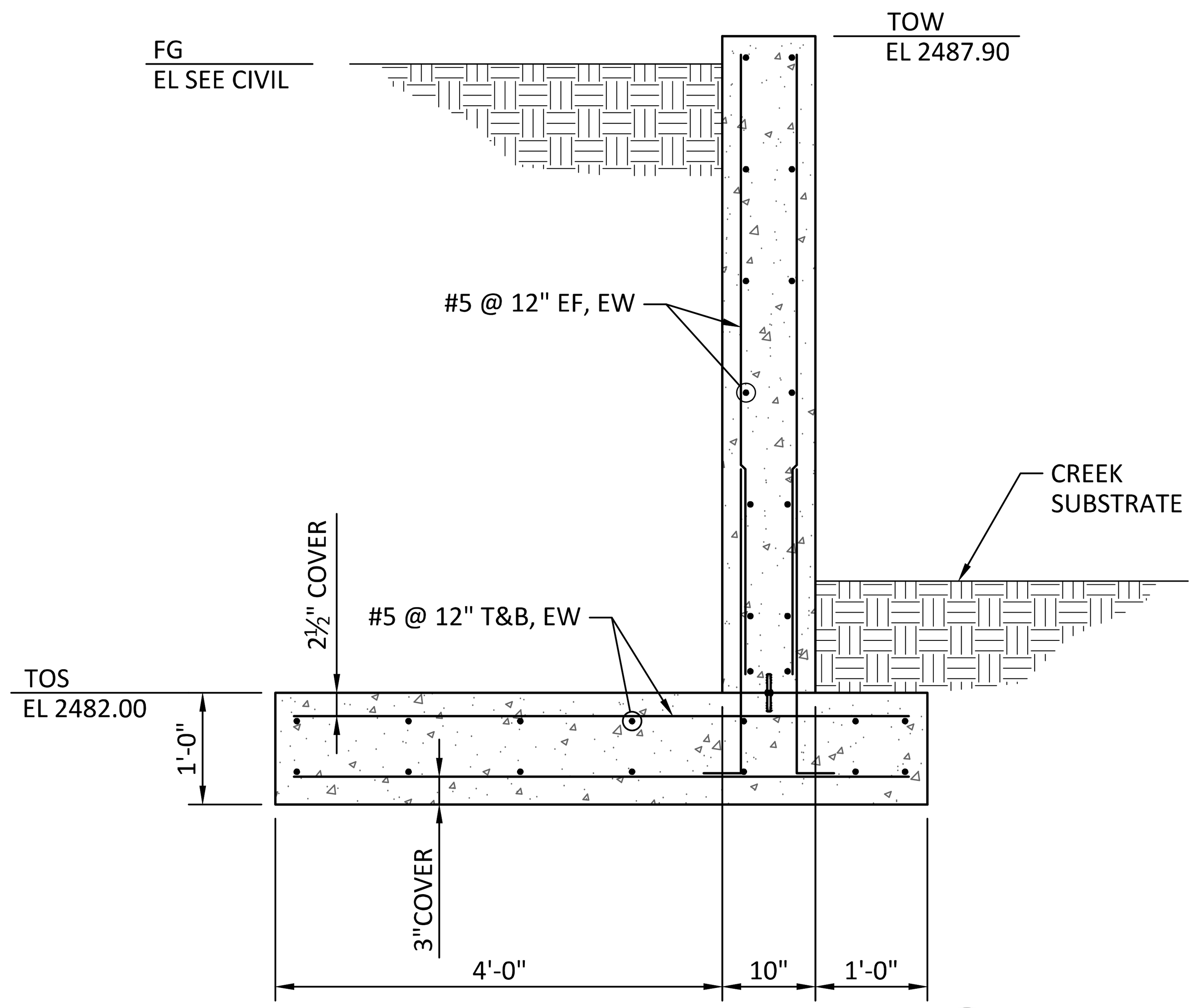
S621

JOB NO: 000000

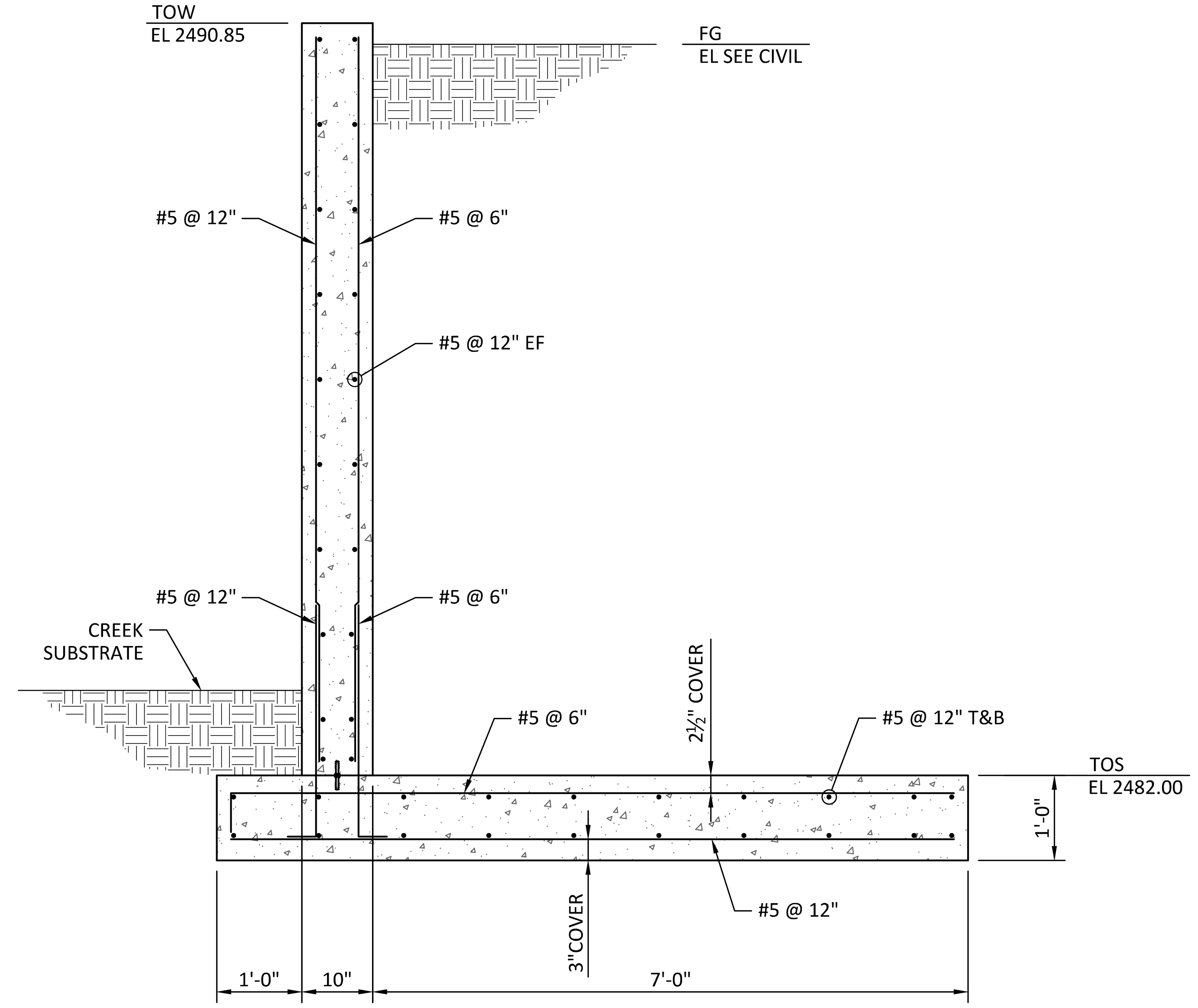
Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\S621.dwg Plot date: Oct 27, 2020 01:14pm, CAD User: Guerrero

SHEET NOTES:

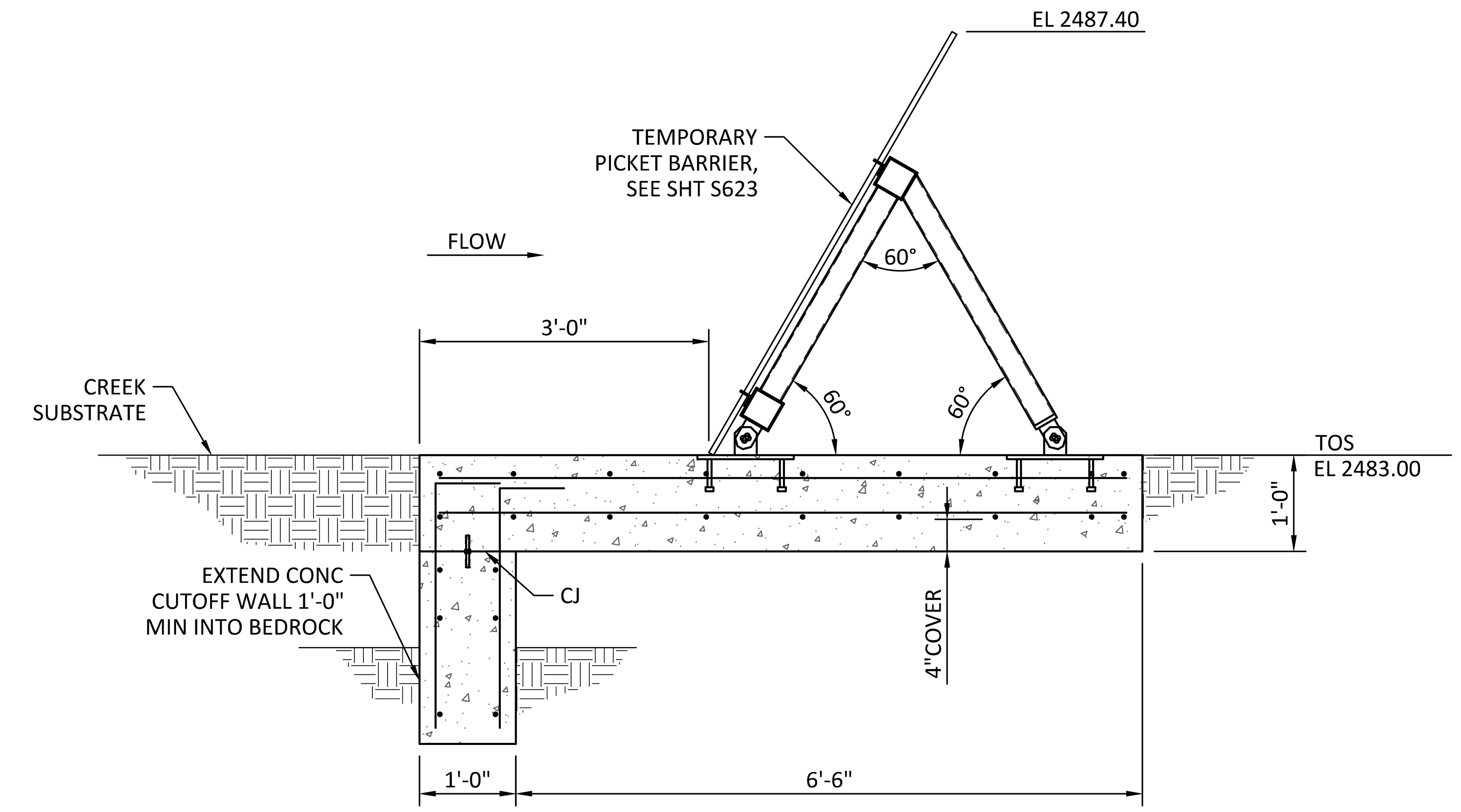
1. 2" COVER, TYP.



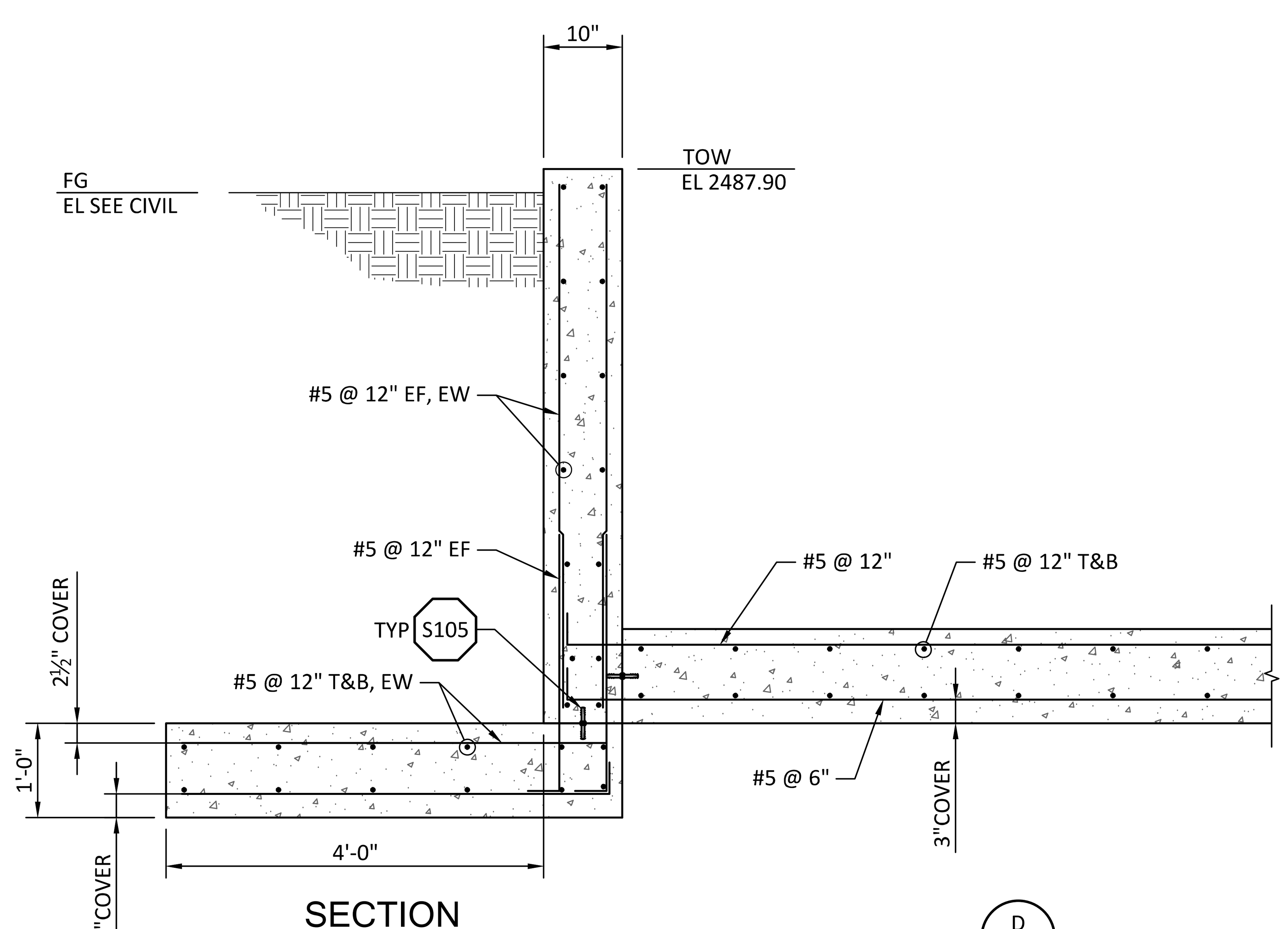
SECTION A S620
SCALE: 3/4"= 1'-0"



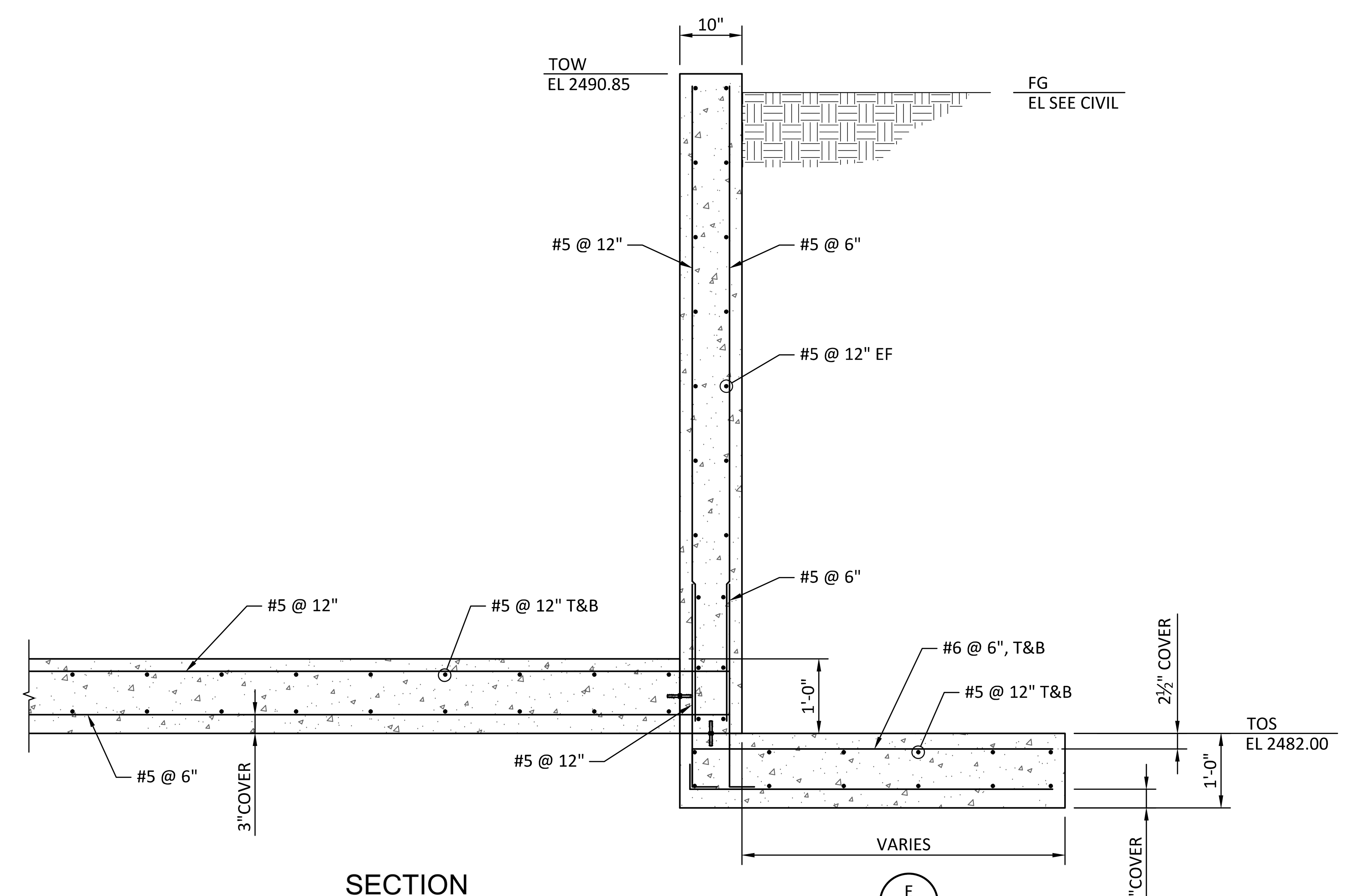
SECTION B S620
SCALE: 3/4"= 1'-0"



SECTION C S620
SCALE: 3/4"= 1'-0"



SECTION D S620
SCALE: 3/4"= 1'-0"



SECTION E S620
SCALE: 3/4"= 1'-0"

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0	10/28/20	MDM	ISSUED FOR CONSTRUCTION

REGISTERED PROFESSIONAL ENGINEER
TAYLOR M. BOWEN
No. C90694
28 OCT 2020
CIVIL
STATE OF CALIFORNIA

WARNING
0 1/2 1
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McMILLEN JACOBS ASSOCIATES

KLAMATH RIVER RENEWAL CORPORATION

KLAMATH RIVER RENEWAL CORPORATION
FALL CREEK FISH HATCHERY

FISH BARRIER
SECTIONS

DESIGNED Z. AUTIN
DRAWN R. GUERRERO
CHECKED T. BOWEN
PROJECT DATE 10/28/20

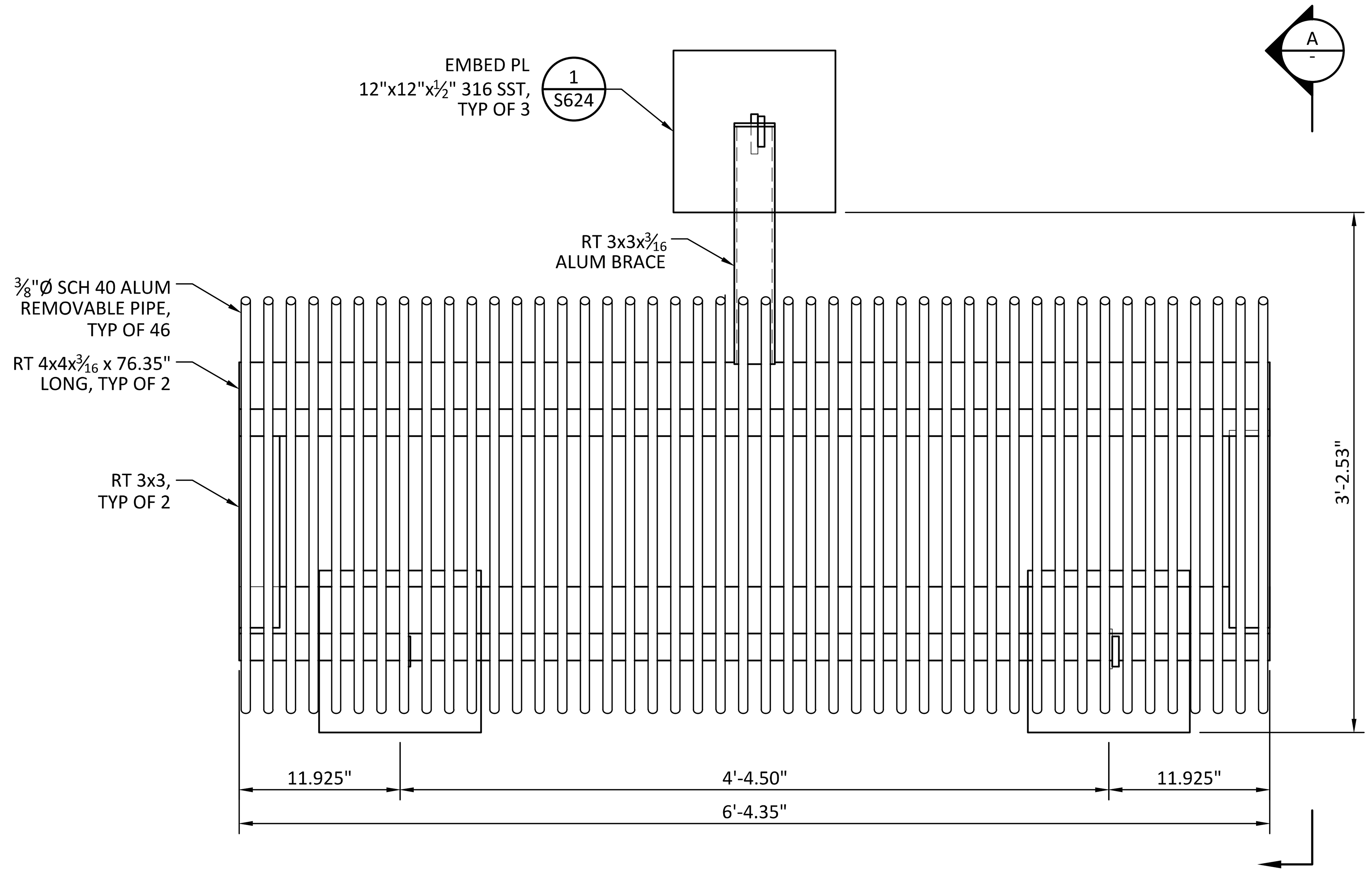
DRAWING
S622

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\S622.dwg Plot date: Oct 27, 2020 01:14pm, CAD User: Guerrero

JOB NO: 000000

SHEET NOTES:

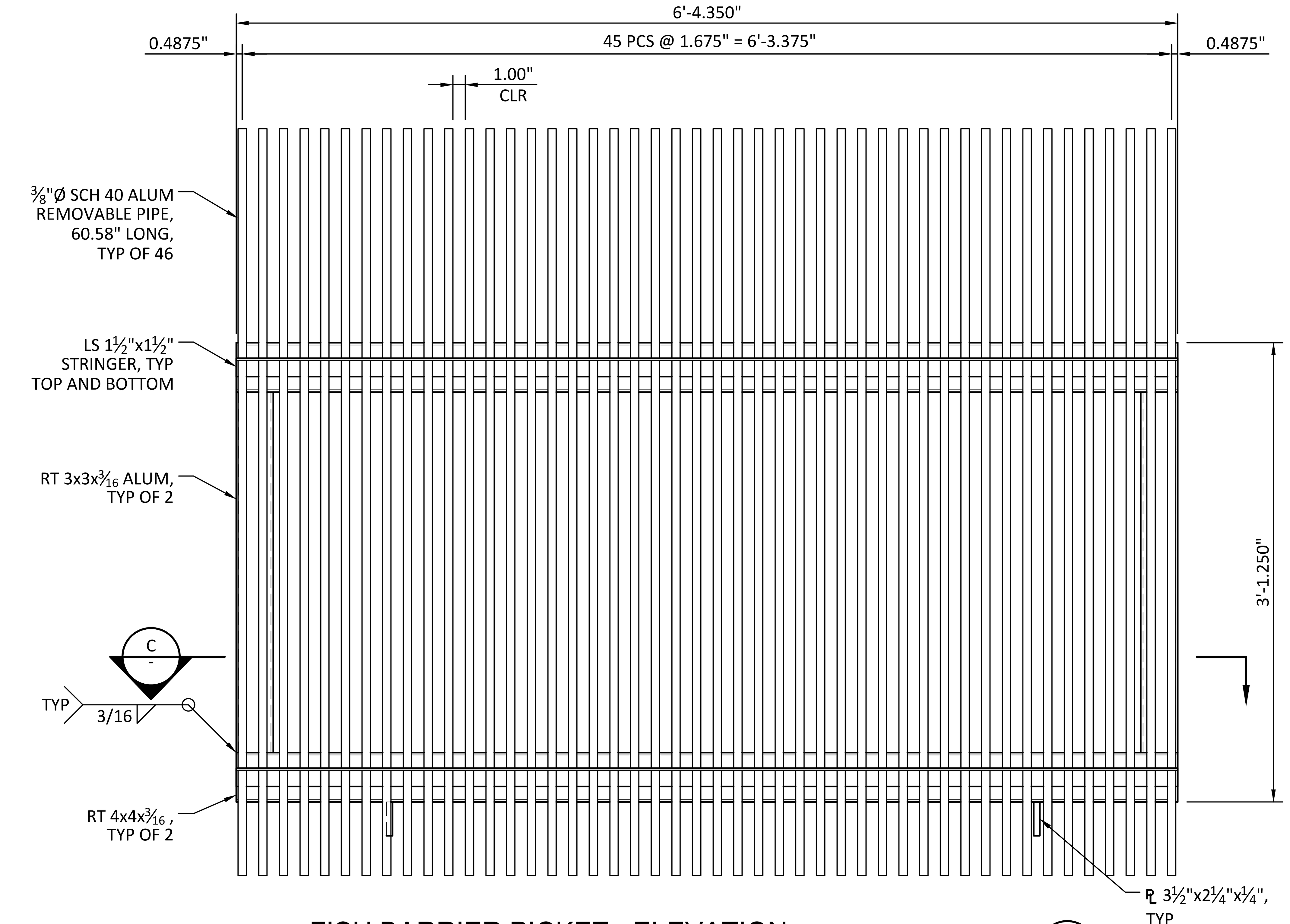
1. APPROXIMATE FRAME WEIGHT = 60 LBS.
2. MAX CLEAR SPACING ALSO APPLIES TO ADJACENT PANELS AND BETWEEN PANELS AND WALLS.



FISH BARRIER PICKET - PLAN

SCALE: 1 1/2"= 1'-0"

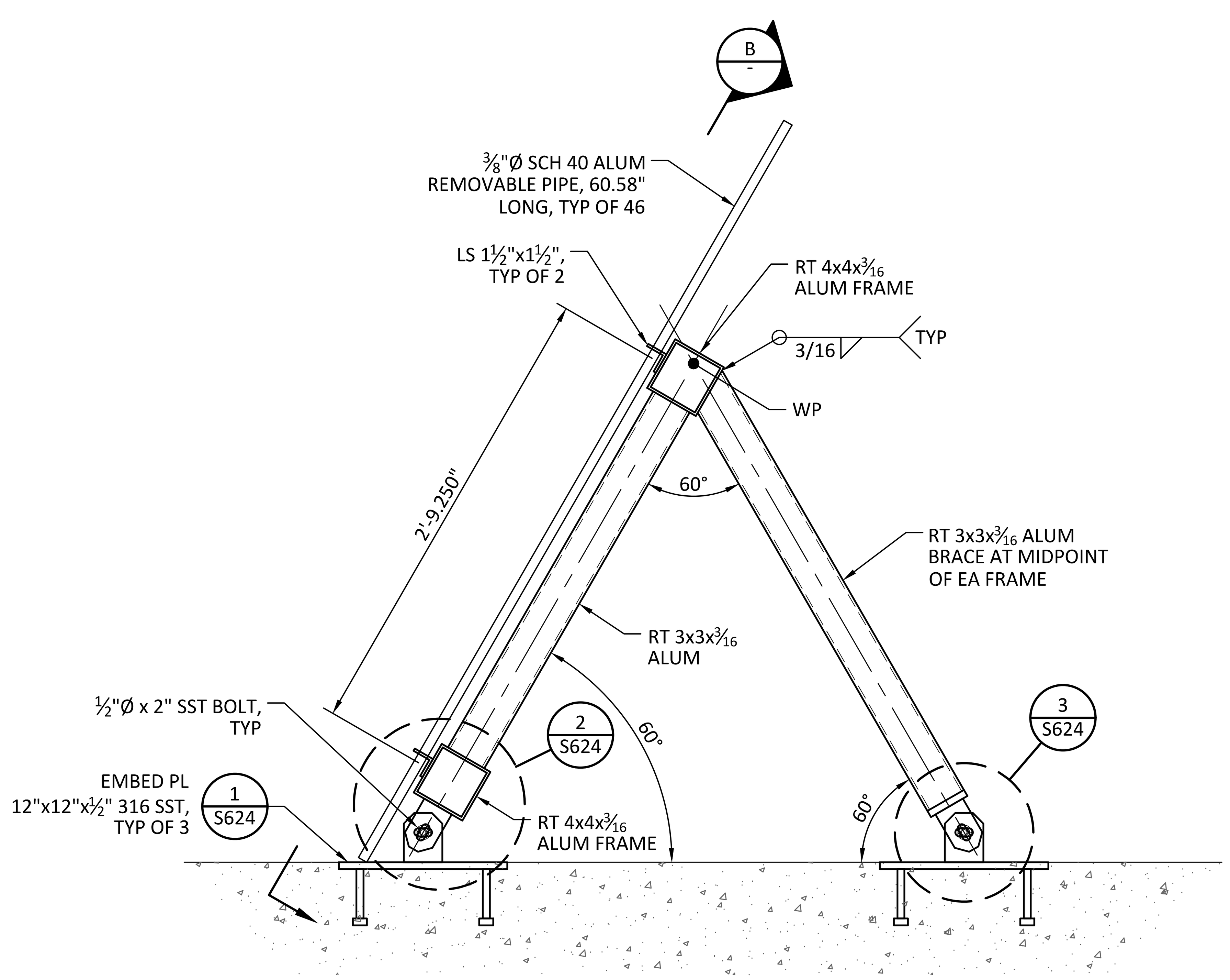
1 S621



FISH BARRIER PICKET - ELEVATION

SCALE: 1 1/2"= 1'-0"

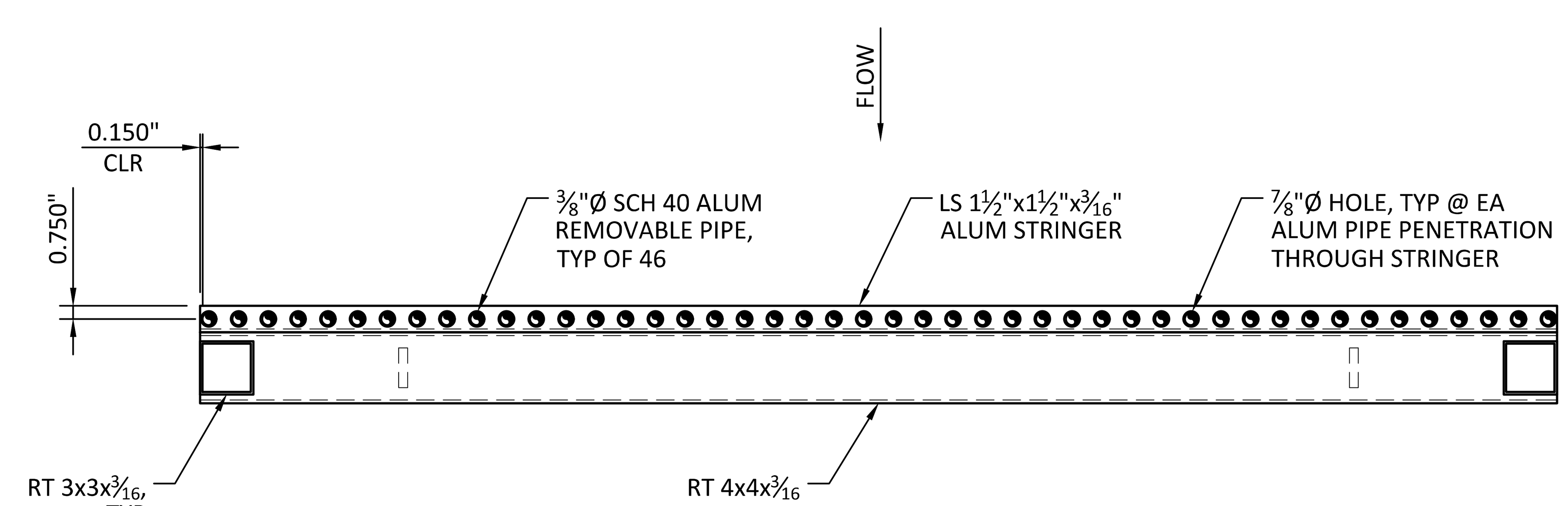
B -



SECTION

SCALE: 1 1/2"= 1'-0"

A -



SECTION

SCALE: 1 1/2"= 1'-0"

C -

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\S623.dwg Plot date: Oct 27, 2020 01:15pm, CAD User: Guerrero

REV	DATE	BY	DESCRIPTION
0	10/28/20	MDM	ISSUED FOR CONSTRUCTION

REGISTERED PROFESSIONAL ENGINEER
TAYLOR M. BOWEN
No. C90694
CIVIL
STATE OF CALIFORNIA
28 OCT 2020

WARNING
0 1/2 1
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McMILLEN JACOBS ASSOCIATES

KLAMATH RIVER RENEWAL CORPORATION

KLAMATH RIVER RENEWAL CORPORATION

FALL CREEK FISH HATCHERY

PICKET BARRIER DETAILS

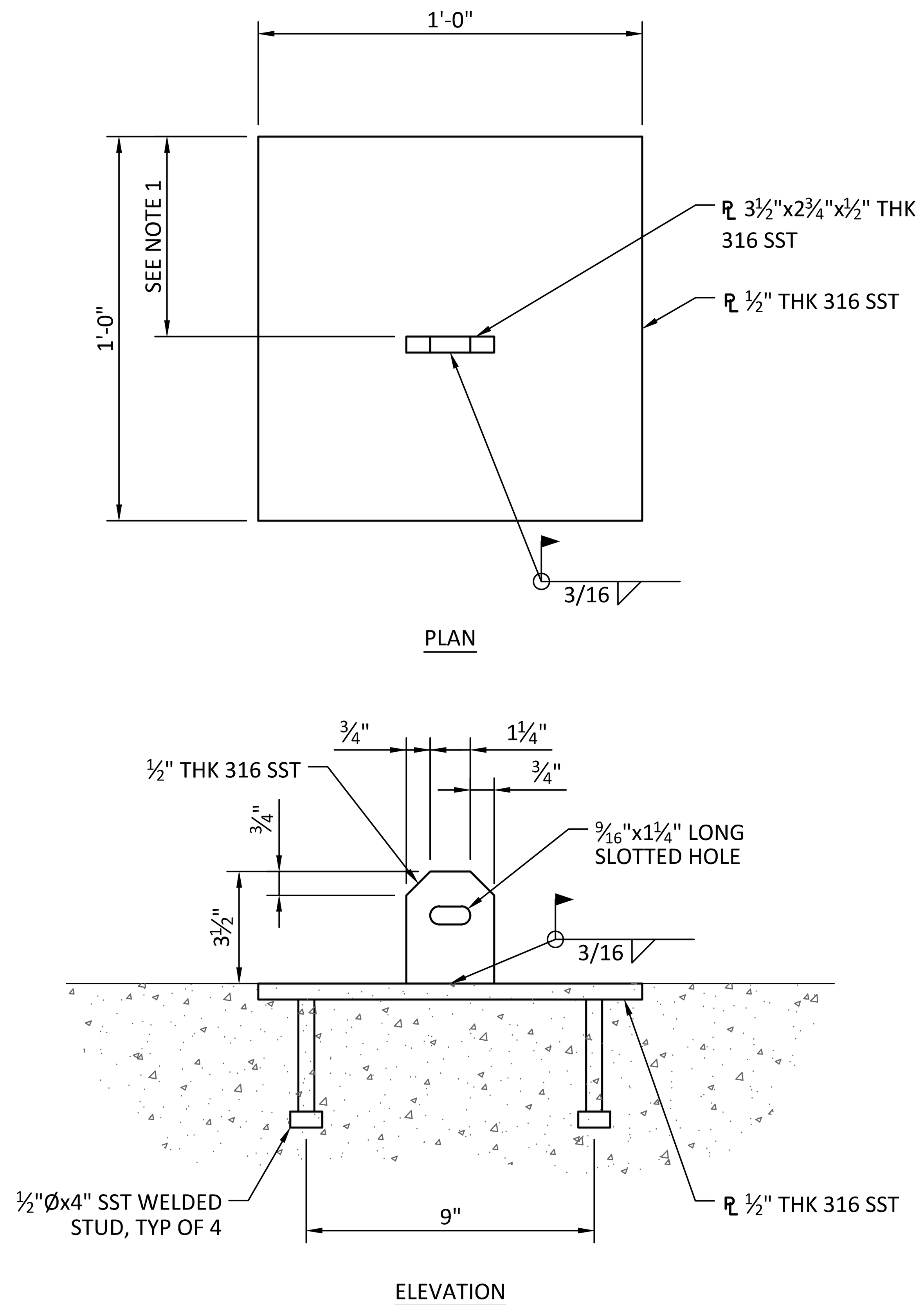
DESIGNED Z. AUTIN
DRAWN R. GUERRERO
CHECKED T. BOWEN
PROJECT DATE 10/28/20

DRAWING
S623

JOB NO: 000000

SHEET NOTES:

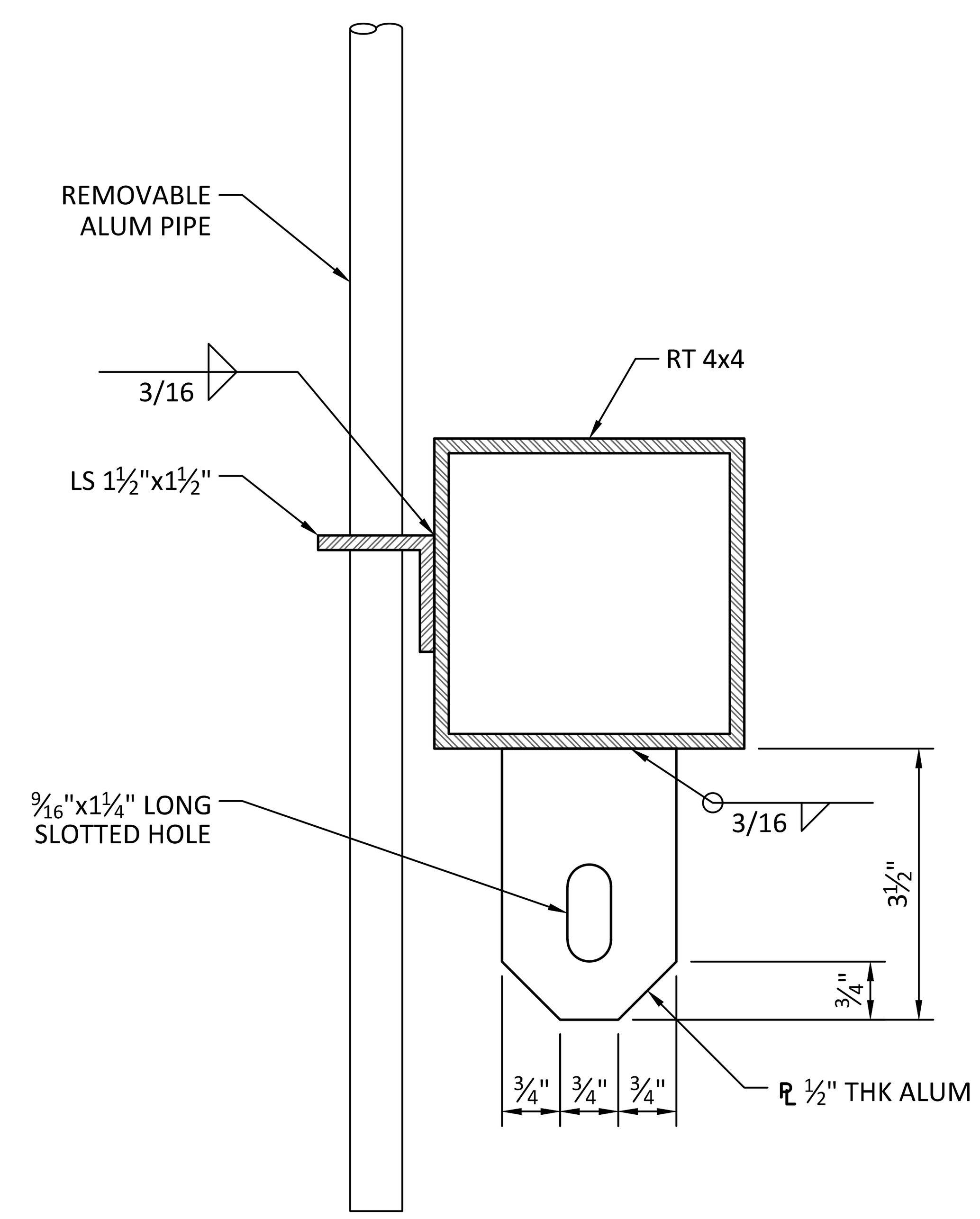
1. PLAN LOCATION OF TABS WELDED TO EMBED PLATES SHALL BE COORDINATED IN THE FIELD WITH ALIGNMENT OF BARRIER FRAMES.



EMBED PLATE - DETAIL 1 S621

SCALE: 3"= 1'-0"

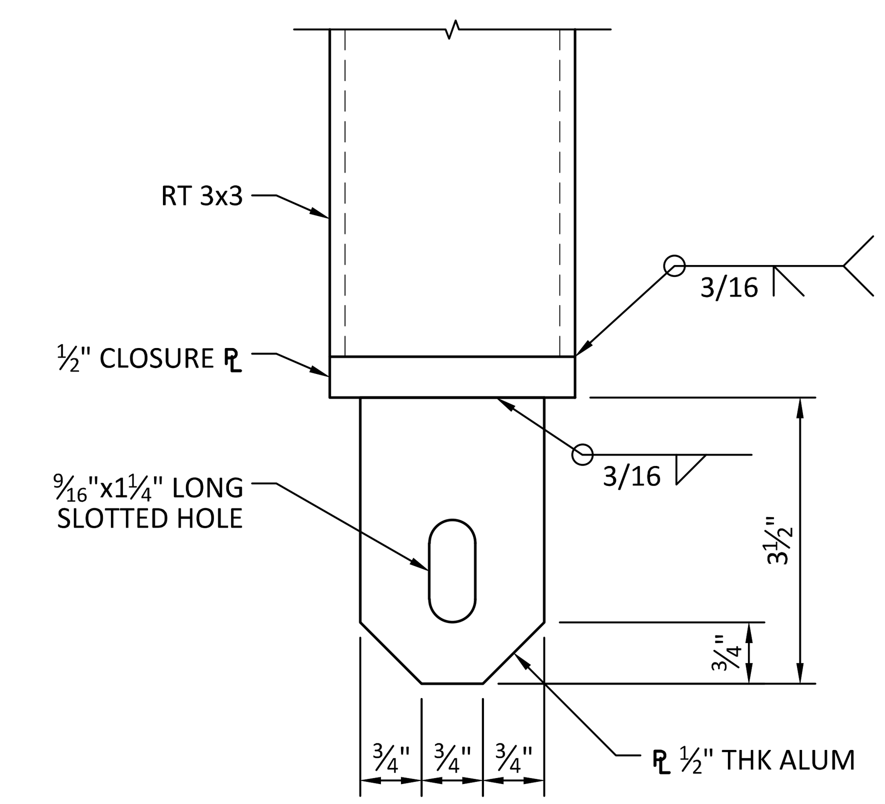
0" 4" 8"



DETAIL 2 S623

SCALE: 6"= 1'-0"

0" 2" 4"



DETAIL 3 S623

SCALE: 6"= 1'-0"

0" 2" 4"

REV	DATE	BY	DESCRIPTION
0	10/28/20	MDM	ISSUED FOR CONSTRUCTION

REGISTERED PROFESSIONAL ENGINEER TAYLOR M. BOWEN No. C90694 CIVIL 28 OCT 2020 STATE OF CALIFORNIA

WARNING

0 1/2 1

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McMILLEN JACOBS ASSOCIATES

KLAMATH RIVER RENEWAL CORPORATION

KLAMATH RIVER RENEWAL CORPORATION

FALL CREEK FISH HATCHERY

PICKET BARRIER
SECTIONS AND DETAILS

DESIGNED Z. AUTIN

DRAWN R. GUERRERO

CHECKED T. BOWEN

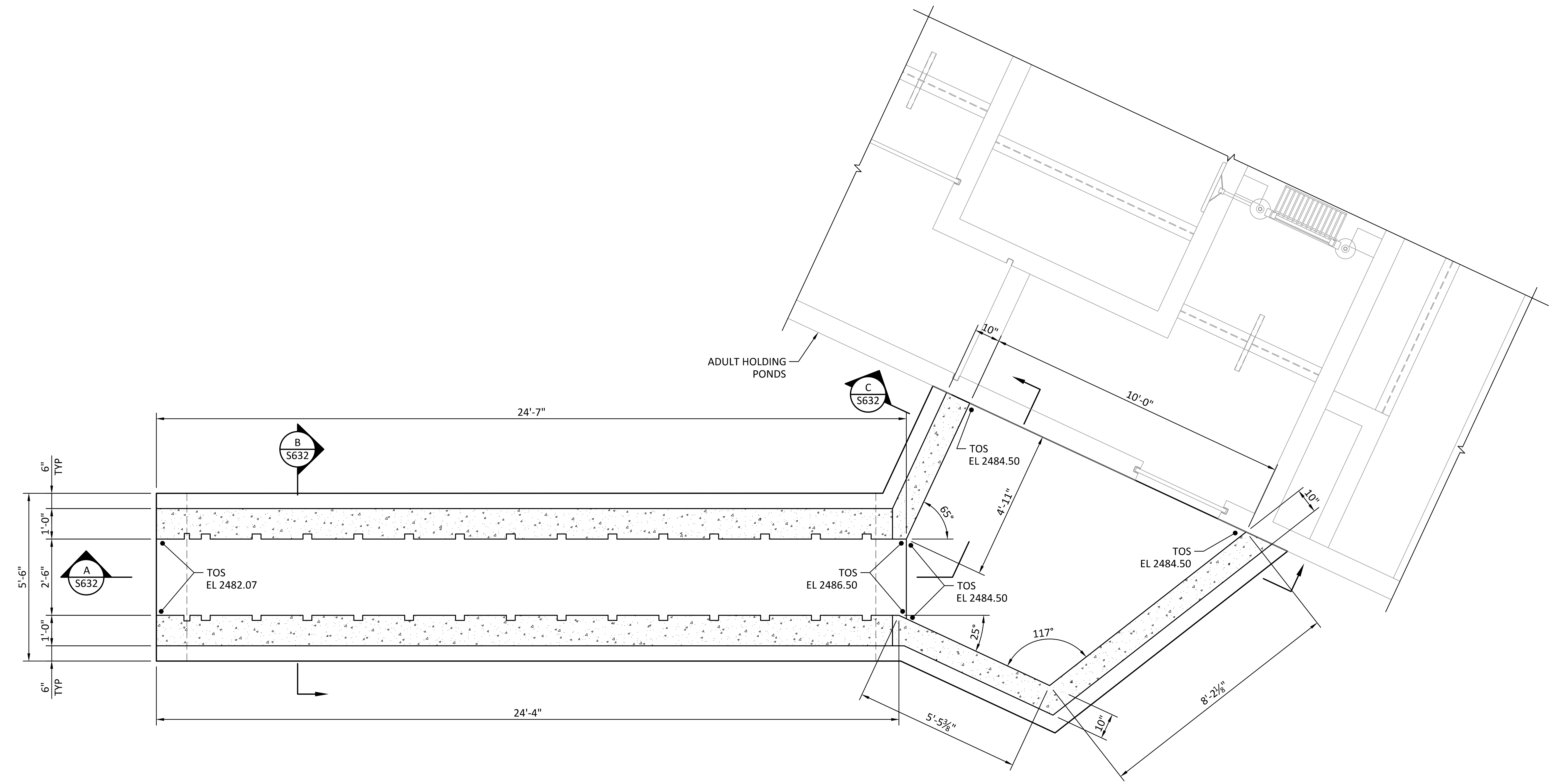
PROJECT DATE 10/28/20

DRAWING

S624

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\S624.dwg Plot date: Oct 27, 2020 01:15pm, CAD User: Guerrero



FISH LADDER FOUNDATION PLAN

SCALE: 1/2"= 1'-0"

0' 2' 4'

1
S100

N

REV	DATE	BY	DESCRIPTION
0	10/28/20	MDM	ISSUED FOR CONSTRUCTION

REGISTERED PROFESSIONAL ENGINEER
TAYLOR M. BOWEN
No. C90694
28 OCT 2020
CIVIL
STATE OF CALIFORNIA

WARNING

0 1/2 1

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

McMILLEN JACOBS ASSOCIATES

KLAMATH RIVER RENEWAL CORPORATION

KLAMATH RIVER RENEWAL CORPORATION

FALL CREEK FISH HATCHERY

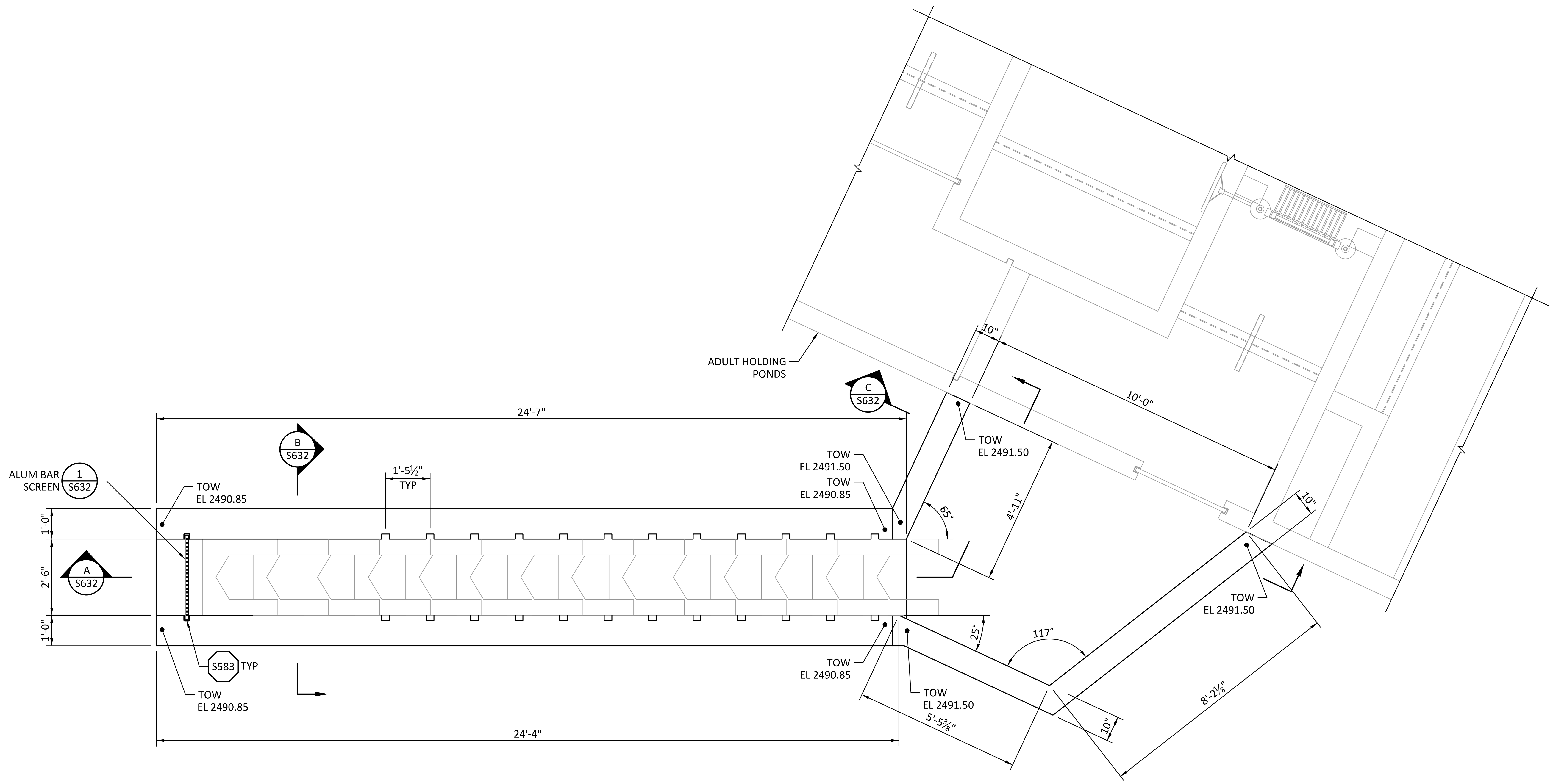
FISH LADDER
FOUNDATION PLAN

DESIGNED Z. AUTIN
DRAWN R. GUERRERO
CHECKED T. BOWEN
PROJECT DATE 10/28/20

DRAWING
S630

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\S630.dwg Plot date: Oct 27, 2020 01:15pm, CAD User: Guerrero



FISH LADDER TOP PLAN

SCALE: 1/2"= 1'-0"

0' 2' 4'

N

REV	DATE	BY	DESCRIPTION
0	10/28/20	MDM	ISSUED FOR CONSTRUCTION

REGISTERED PROFESSIONAL ENGINEER
TAYLOR M. BOWEN
No. C90694
28 OCT 2020
CIVIL
STATE OF CALIFORNIA

WARNING
0 1/2 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

McMILLEN JACOBS ASSOCIATES

KLAMATH RIVER RENEWAL CORPORATION

KLAMATH RIVER RENEWAL CORPORATION
FALL CREEK FISH HATCHERY

FISH LADDER
TOP PLAN

DESIGNED Z. AUTIN
DRAWN R. GUERRERO
CHECKED T. BOWEN
PROJECT DATE 10/28/20

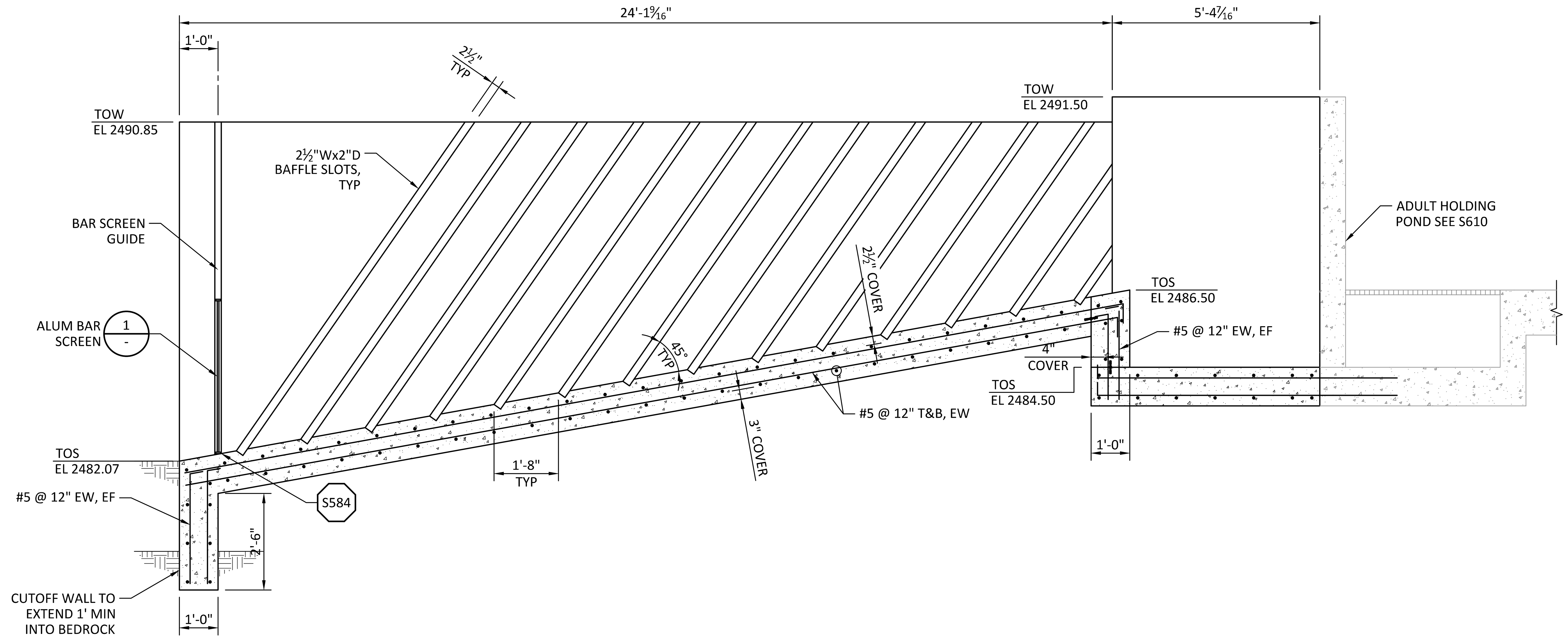
DRAWING
S631

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\S631.dwg Plot date: Oct 27, 2020 01:15pm, CAD User: Guerrero

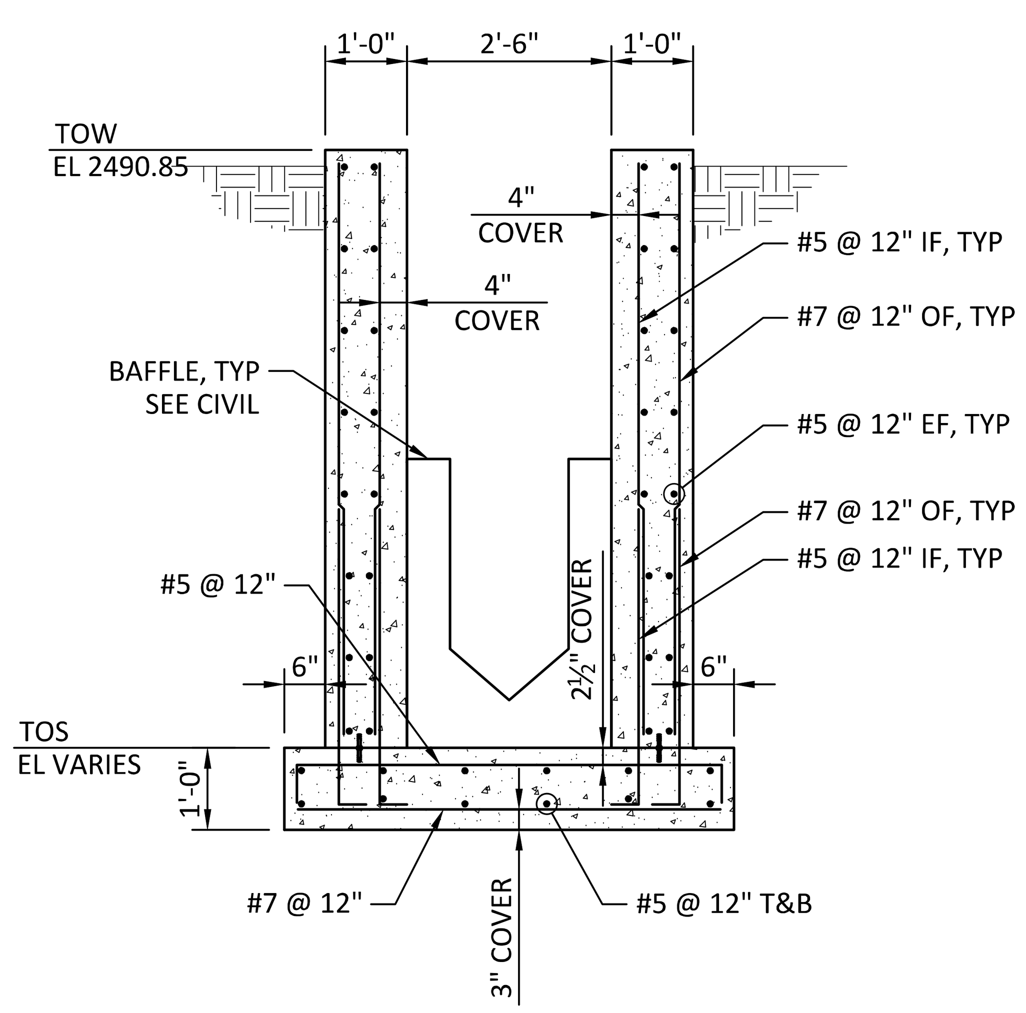
SHEET NOTES:

1. 2" COVER, TYP.



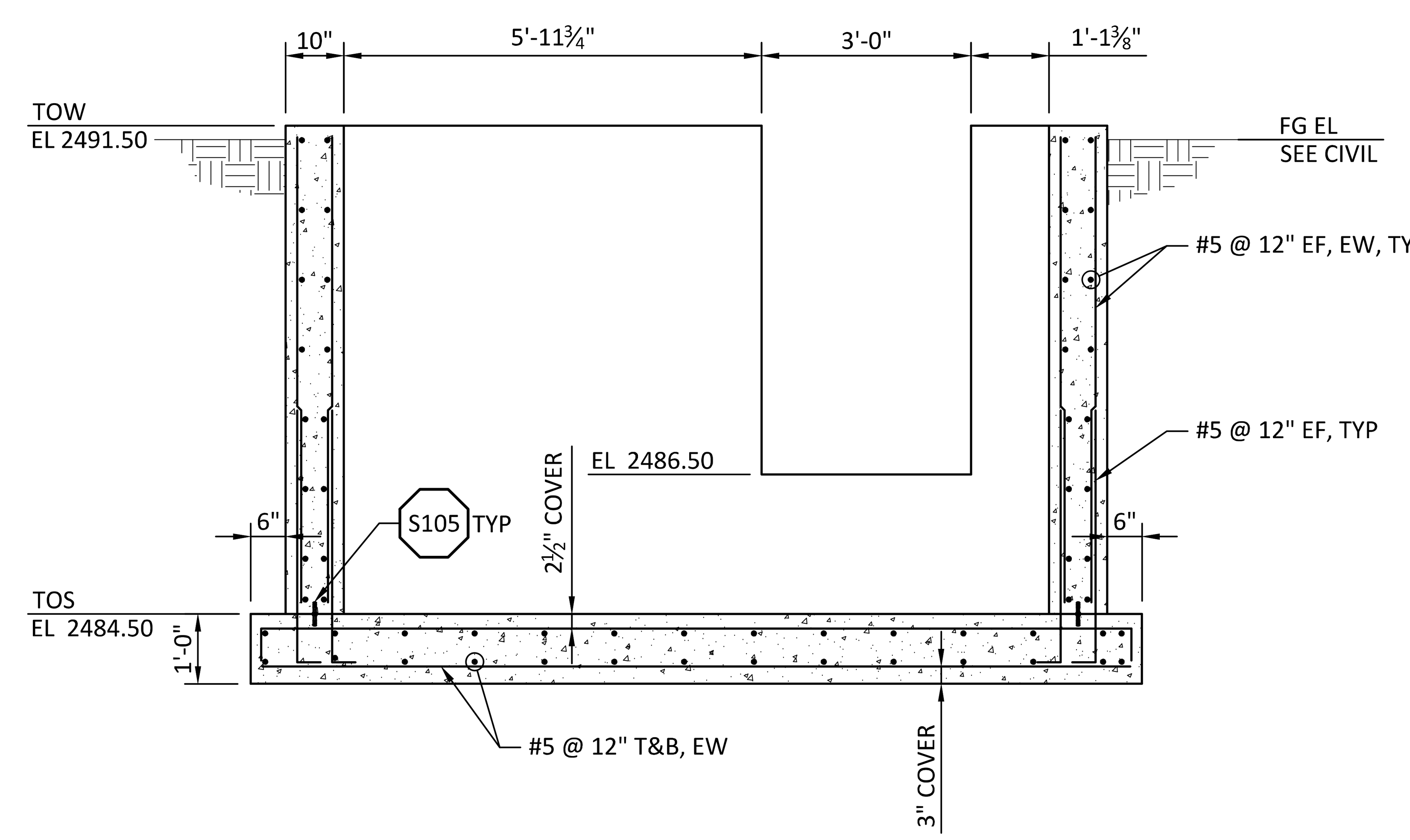
SECTION A S630

SCALE: 1/2"= 1'-0"



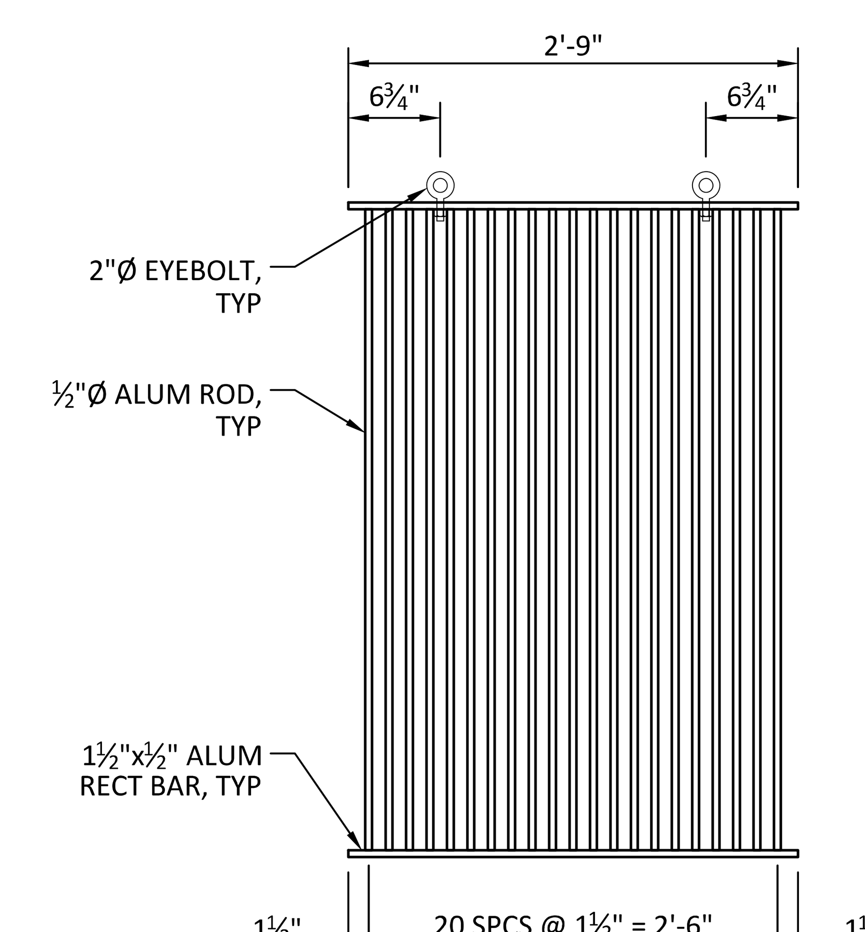
SECTION B S630

SCALE: 1/2"= 1'-0"



SECTION C S630

SCALE: 1/2"= 1'-0"



ALUM BAR SCREEN - DETAIL 1 S631

SCALE: 1"= 1'-0"

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\S632.dwg Plot date: Oct 27, 2020 01:15pm, CAD User: Guerrero

REV	DATE	BY	DESCRIPTION
0	10/28/20	MDM	ISSUED FOR CONSTRUCTION

REGISTERED PROFESSIONAL ENGINEER
TAYLOR M. BOWEN
No. C90694
28 OCT 2020
CIVIL
STATE OF CALIFORNIA

WARNING

0 1/2 1

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McMILLEN JACOBS ASSOCIATES

KLAMATH RIVER RENEWAL CORPORATION

KLAMATH RIVER RENEWAL CORPORATION

FALL CREEK FISH HATCHERY

FISH LADDER
SECTIONS AND DETAILS

DESIGNED Z. AUTIN

DRAWN R. GUERRERO

CHECKED T. BOWEN

PROJECT DATE 10/28/20

DRAWING

S632

JOB NO: 000000

GATE SCHEDULE

EQUIPMENT NO.	LOCATION	SERVICE	FLUID	TYPE	OPENING SIZE	SEAT/UNSEAT HEAD (FT)	ACTUATOR TYPE (NORMAL POSITION)	MATERIAL	SPEC SECTION	COMMENTS
G-200	INTAKE STRUCTURE	SLUICE GATE	RAW WATER	SLIDE	1'-0"W x 1'-0"H	6 / 0	HANDWHEEL (CLOSED)	CAST IRON	43 30 62	SELF CONTAINED FRAME; COATED STEEL
G-210	DAM B	SLUICE GATE	RAW WATER	SHEAR	0'-8" DIA	6 / 0	LEVER (CLOSED)	CAST IRON	43 30 61	EXTENDED LEVER HANDLE
G-211	DAM B	FLAP GATE	RAW WATER	FLAP	0'-8" DIA	2 / 0	N/A	CAST IRON	43 30 58	WALL MOUNT
G-320	COHO BUILDING	DRAIN ISOLATION	RAW WATER	STOP	1'-0" DIA	1 / 0	MANUAL (OPEN)	ALUMINUM	43 30 62	
G-321	COHO BUILDING	DRAIN ISOLATION	RAW WATER	STOP	1'-0" DIA	3 / 0	MANUAL (OPEN)	ALUMINUM	43 30 62	
G-640	HOLDING POND	SLUICE GATE	RAW WATER	SLIDE	3'-0"W x 1'-9" H	4 / 4	HANDWHEEL (OPEN)	STAINLESS STEEL	43 30 62	WALL MOUNTED; NON-SELF CONTAINED FRAME
G-641	HOLDING POND	SLUICE GATE	RAW WATER	SLIDE	3'-0"W x 1'-9" H	4 / 4	HANDWHEEL (OPEN)	STAINLESS STEEL	43 30 62	WALL MOUNTED; NON-SELF CONTAINED FRAME
G-642	HOLDING POND	SLUICE GATE	RAW WATER	SLIDE	3'-0"W x 1'-9" H	4 / 4	HANDWHEEL (OPEN)	STAINLESS STEEL	43 30 62	WALL MOUNTED; NON-SELF CONTAINED FRAME, FLUSH BOTTOM
G-650	SORTING/TRAPPING POND	SLUICE GATE	RAW WATER	SHEAR	0'-4" DIA	4 / 0	LEVER (CLOSED)	CAST IRON	43 30 61	EXTENDED LEVER HANDLE
G-651	SORTING/TRAPPING POND	ADJUSTABLE WEIR	RAW WATER	SLIDE	3'-6"Wx2'-0"H	4 / 3	HANDWHEEL (OPEN)	ALUMINUM	43 30 62	DOWNWARD OPENING W/ DUAL GATE STEMS

PUMP SCHEDULE

EQUIPMENT NO.	LOCATION	SERVICE	FLUID	EQUIPMENT DESCRIPTION	FLOW CAPACITY (GPM) AND TDH (FT)	MOTOR SIZE (HP)	ELECTRICAL SERVICE (V/PH/CY)	SPEC SECTION	COMMENTS
P-200	INTAKE STRUCTURE	SCREEN SPRAY	RAW WATER	CENTRIFUGAL	20 @ 60	2	480 / 3 / 60	44 35 35	
P-201	INTAKE STRUCTURE	SCREEN SPRAY	RAW WATER	CENTRIFUGAL	20 @ 60	2	480 / 3 / 60	44 35 35	
P-280	INTAKE STRUCTURE	SUMP	RAW WATER	SUBMERSIBLE PUMP	30 @ 20	1	120 / 1 / 60	44 35 56	
P-380	COHO BUILDING	UTILITY WATER	RAW WATER	BOOSTER PUMP	50 @ 116	3	480 / 3 / 60	44 35 04	
P-580	CHINOOK INCUBATION BUILDING	UTILITY WATER	RAW WATER	BOOSTER PUMP	50 @ 116	3	480 / 3 / 60	44 35 04	
P-650	SORTING/TRAPPING POND	E.A. TANK FILL	RAW WATER	SELF PRIMING CENTRIGUAL	120 @ 15	2	480 / 3 / 60	44 35 35	
P-660	SETTLING POND	SUMP	WASTE WATER	SUBMERSIBLE SOLIDS HANDLING	150 @ 20	2	480 / 3 / 60	44 35 56	INCLUDES GUIDE RAILS AND LIFTING CHAIN
P-661	SETTLING POND	SUMP	WASTE WATER	SUBMERSIBLE SOLIDS HANDLING	150 @ 20	2	480 / 3 / 60	44 35 56	INCLUDES GUIDE RAILS AND LIFTING CHAIN
P-680	SPAWNING BUILDING/HOLDING PONDS	UTILITY WATER	RAW WATER	BOOSTER PUMP	50 @ 116	3	480 / 3 / 60	44 35 04	

HYDROPNEUMATIC TANK SCHEDULE

EQUIPMENT NO.	LOCATION	SERVICE	FLUID	EQUIPMENT DESCRIPTION	CAPACITY (GAL)	MAX OPERATING PRESSURE (PSI)	PRESSURE SETTING (PSI)	SPEC SECTION	COMMENTS
HT-380	COHO BUILDING	UTILITY WATER	RAW WATER	HYDROPNEUMATIC TANK	80	100	30 / 50	44 35 04	
HT-381	COHO BUILDING	UTILITY WATER	RAW WATER	HYDROPNEUMATIC TANK	80	100	30 / 50	44 35 04	
HT-580	CHINOOK INCUBATION BUILDING	UTILITY WATER	RAW WATER	HYDROPNEUMATIC TANK	80	100	30 / 50	44 35 04	
HT-581	CHINOOK INCUBATION BUILDING	UTILITY WATER	RAW WATER	HYDROPNEUMATIC TANK	80	100	30 / 50	44 35 04	
HT-680	SPAWNING BUILDING/HOLDING PONDS	UTILITY WATER	RAW WATER	HYDROPNEUMATIC TANK	80	100	30 / 50	44 35 04	
HT-681	SPAWNING BUILDING/HOLDING PONDS	UTILITY WATER	RAW WATER	HYDROPNEUMATIC TANK	80	100	30 / 50	44 35 04	

FLOW METER SCHEDULE

EQUIPMENT NO.	LOCATION	SERVICE	FLUID	EQUIPMENT DESCRIPTION	FLOW RANGE (GPM) / DIA (IN)	ELECTRICAL SERVICE (V/PH/CY)	ENDS	BODY LINER MATERIAL	SPEC SECTION	COMMENTS
FE-200	METER VAULT	FLOW MEASUREMENT	RAW WATER	MAGNETIC METER (FULL SPOOL)	0 - 1000 / 12"	120 / 1 / 60	FLG X FLG	POLYURETHANE	40 90 10	
FE-201	METER VAULT	FLOW MEASUREMENT	RAW WATER	MAGNETIC METER (FULL SPOOL)	0 - 4500 / 20"	120 / 1 / 60	FLG X FLG	POLYURETHANE	40 90 10	
FE-202	METER VAULT	FLOW MEASUREMENT	RAW WATER	MAGNETIC METER (FULL SPOOL)	0 - 4500 / 20"	120 / 1 / 60	FLG X FLG	POLYURETHANE	40 90 10	
FE-203	METER VAULT	FLOW MEASUREMENT	RAW WATER	MAGNETIC METER (FULL SPOOL)	0 - 750 / 12"	120 / 1 / 60	FLG X FLG	POLYURETHANE	40 90 10	

EQUIPMENT SCHEDULE

EQUIPMENT NO.	LOCATION	SERVICE	FLUID	EQUIPMENT DESCRIPTION	SIZE	ELECTRICAL SERVICE (V/PH/CY)	SPEC SECTION	COMMENTS
TRS-200	INTAKE STRUCTURE	INTAKE SCREEN	RAW WATER	VERTICAL TRAVELING SCREEN	36" WIDTH	480 / 3 / 60	35 79 13	1" SCREEN OPENING
TRS-201	INTAKE STRUCTURE	INTAKE SCREEN	RAW WATER	VERTICAL TRAVELING SCREEN	36" WIDTH	480 / 3 / 60	35 79 13	1" SCREEN OPENING
CB-600	SPAWNING BUILDING/HOLDING PONDS	FISH CONVEYANCE	RAW WATER	CONVEYOR BELT	TBD	120 / 1 / 60	N/A	EXISTING; FROM IRON GATE HATCHERY
HOI-650	SPAWNING BUILDING/HOLDING PONDS	ELECTRO-ANESTHESIA	RAW WATER	LIFTING HOIST	75"	120 / 1 / 60	40 05 57	1,000 PSI, 28.5 GPM HYDRAULIC CYLINDER
TNK-650	SPAWNING BUILDING/HOLDING PONDS	ELECTRO-ANESTHESIA	RAW WATER	ELECRO-ANESTHESIA TANK	2'-0" X 6'-0"	120 / 1 / 60	N/A	EXISTING; FROM IRON GATE HATCHERY
CRW-650	SORTING/TRAPPING POND	FISH CROWDING	RAW WATER	RAIL MOUNTED FISH CROWDER	150" WIDTH	480 / 3 / 60	N/A	EXISTING; FROM IRON GATE HATCHERY, MODIFIED

HOSE BIB SCHEDULE

EQUIPMENT NO.	LOCATION	SERVICE	FLUID	TYPE	DIAMETER (IN)	MAXIMUM PRESSURE (PSI)	ENDS	ACTUATOR TYPE (NORMAL POSITION)	MATERIAL	SPEC SECTION	COMMENTS
HB-380	COHO BUILDING	UTILITY WATER	RAW WATER	BALL	0.750	75.000	0.75 NPT - THREADED	LEVER (CLOSED)	BRASS	22 05 00	INTERIOR BIBB
HB-381	COHO BUILDING	UTILITY WATER	RAW WATER	BALL	0.750	75.000	0.75 NPT - THREADED	LEVER (CLOSED)	BRASS	22 05 00	EXTERIOR FROST-FREE SILLCOCK
HB-382	COHO BUILDING	UTILITY WATER	RAW WATER	BALL	0.750	75.000	0.75 NPT - THREADED	LEVER (CLOSED)	BRASS	22 05 00	INTERIOR BIBB
HB-383	COHO BUILDING	UTILITY WATER	RAW WATER	BALL	0.750	75.000	0.75 NPT - THREADED	LEVER (CLOSED)	BRASS	22 05 00	EXTERIOR FROST-FREE SILLCOCK
HB-384	COHO BUILDING	UTILITY WATER	RAW WATER	BALL	0.750	75.000	0.75 NPT - THREADED	LEVER (CLOSED)	BRASS	22 05 00	INTERIOR BIBB
HB-385	COHO BUILDING	UTILITY WATER	RAW WATER	BALL	0.750	75.000	0.75 NPT - THREADED	LEVER (CLOSED)	BRASS	22 05 00	EXTERIOR FROST-FREE SILLCOCK
HB-386	COHO BUILDING	UTILITY WATER	RAW WATER	BALL	0.750	75.000	0.75 NPT - THREADED	LEVER (CLOSED)	BRASS	22 05 00	INTERIOR BIBB
HB-580	CHINOOK INCUBATION BUILDING	UTILITY WATER	RAW WATER	BALL	0.750	75.000	0.75 NPT - THREADED	LEVER (CLOSED)	BRASS	22 05 00	EXTERIOR FROST-FREE SILLCOCK
HB-581	CHINOOK INCUBATION BUILDING	UTILITY WATER	RAW WATER	BALL	0.750	75.000	0.75 NPT - THREADED	LEVER (CLOSED)	BRASS	22 05 00	INTERIOR BIBB
HB-582	CHINOOK INCUBATION BUILDING	UTILITY WATER	RAW WATER	BALL	0.750	75.000	0.75 NPT - THREADED	LEVER (CLOSED)	BRASS	22 05 00	INTERIOR BIBB
HB-583	CHINOOK INCUBATION BUILDING	UTILITY WATER	RAW WATER	BALL	0.750	75.000	0.75 NPT - THREADED	LEVER (CLOSED)	BRASS	22 05 00	INTERIOR BIBB
HB-584	CHINOOK INCUBATION BUILDING	UTILITY WATER	RAW WATER	BALL	0.750	75.000	0.75 NPT - THREADED	LEVER (CLOSED)	BRASS	22 05 00	INTERIOR BIBB
HB-585	CHINOOK INCUBATION BUILDING	UTILITY WATER	RAW WATER	BALL	0.750	75.000	0.75 NPT - THREADED	LEVER (CLOSED)	BRASS	22 05 00	EXTERIOR FROST-FREE SILLCOCK
HB-586	CHINOOK INCUBATION BUILDING	UTILITY WATER	RAW WATER	BALL	0.750	75.000	0.75 NPT - THREADED	LEVER (CLOSED)	BRASS	22 05 00	INTERIOR BIBB
HB-587	CHINOOK INCUBATION BUILDING	UTILITY WATER	RAW WATER	BALL	0.750	75.000	0.75 NPT - THREADED	LEVER (CLOSED)	BRASS	22 05 00	INTERIOR BIBB
HB-680	SPAWNING BUILDING/HOLDING PONDS	UTILITY WATER	RAW WATER	BALL	0.750	75.000	0.75 NPT - THREADED	LEVER (CLOSED)	BRASS	22 05 00	INTERIOR BIBB
HB-681	SPAWNING BUILDING/HOLDING PONDS	UTILITY WATER	RAW WATER	BALL	0.750	75.000	0.75 NPT - THREADED	LEVER (CLOSED)	BRASS	22 05 00	INTERIOR BIBB
HB-682	SPAWNING BUILDING/HOLDING PONDS	UTILITY WATER	RAW WATER	BALL	0.750	75.000	0.75 NPT - THREADED	LEVER (CLOSED)	BRASS	22 05 00	EXTERIOR FROST-FREE SILLCOCK
HB-683	SPAWNING BUILDING/HOLDING PONDS	UTILITY WATER	RAW WATER	BALL	0.750	75.000	0.75 NPT - THREADED	LEVER (CLOSED)	BRASS	22 05 00	INTERIOR OVERHEAD W/ RETRACTABLE HOSE REEL

REV	DATE	BY	DESCRIPTION
0	10/28/20	MDM	ISSUED FOR CONSTRUCTION

LICENSED PROFESSIONAL ENGINEER
SEAN P. ELLENSON
M 40115
MECHANICAL
STATE OF CALIFORNIA
October 28, 2020

WARNING
0 1/2 1
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McMILLEN JACOBS ASSOCIATES

KLAMATH RIVER RENEWAL CORPORATION

KLAMATH RIVER RENEWAL CORPORATION
FALL CREEK FISH HATCHERY

MECHANICAL EQUIPMENT
SCHEDULES 1

DESIGNED S. ELLENSON
DRAWN R. GUERRERO
CHECKED J. BOAG
PROJECT DATE 10/28/20

DRAWING
GM001

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\GM001.dwg Plot date: Oct 27, 2020 01:15pm, CAD User: Guerrero

VALVE SCHEDULE

EQUIPMENT NO.	LOCATION	SERVICE	FLUID	TYPE	DIAMETER (IN)	ASME PRESSURE CLASS	ENDS	ACTUATOR TYPE (NORMAL POSITION)	MATERIAL	SPEC SECTION	COMMENTS
V-200	METER VAULT	ISOLATION VALVE	RAW WATER	GATE	12	150	FLG X FLG	2-IN SQ NUT (OPEN)	DUCTILE IRON	43 25 06	
V-201	METER VAULT	ISOLATION VALVE	RAW WATER	GATE	20	150	FLG X FLG	2-IN SQ NUT (OPEN)	DUCTILE IRON	43 25 06	
V-202	METER VAULT	ISOLATION VALVE	RAW WATER	GATE	20	150	FLG X FLG	2-IN SQ NUT (OPEN)	DUCTILE IRON	43 25 06	
V-203	METER VAULT	ISOLATION VALVE	RAW WATER	GATE	12	150	FLG X FLG	2-IN SQ NUT (OPEN)	DUCTILE IRON	43 25 06	
V-204	METER VAULT	AIR INTAKE	RAW WATER	COMBO AIR/VAC BREAKER	2	150	2" NPT	N/A	DUCTILE IRON	43 25 42	
V-205	METER VAULT	AIR INTAKE	RAW WATER	COMBO AIR/VAC BREAKER	2	150	2" NPT	N/A	DUCTILE IRON	43 25 42	
V-206	METER VAULT	AIR INTAKE	RAW WATER	COMBO AIR/VAC BREAKER	2	150	2" NPT	N/A	DUCTILE IRON	43 25 42	
V-207	METER VAULT	AIR INTAKE	RAW WATER	COMBO AIR/VAC BREAKER	2	150	2" NPT	N/A	DUCTILE IRON	43 25 42	
V-208	METER VAULT	AIR ISOLATION	RAW WATER	BALL	2	150	MNPT X MNPT	LEVER (OPEN)	STEEL	43 25 04	
V-209	METER VAULT	AIR ISOLATION	RAW WATER	BALL	2	150	MNPT X MNPT	LEVER (OPEN)	STEEL	43 25 04	
V-210	METER VAULT	AIR ISOLATION	RAW WATER	BALL	2	150	MNPT X MNPT	LEVER (OPEN)	STEEL	43 25 04	
V-211	METER VAULT	AIR ISOLATION	RAW WATER	BALL	2	150	MNPT X MNPT	LEVER (OPEN)	STEEL	43 25 04	
V-280	METER VAULT	SUMP CHECK VALVE	RAW WATER	SWING CHECK	2	150	TRUE UNION	N/A	PVC	43 25 03	
V-310	COHO BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-311	COHO BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-312	COHO BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-313	COHO BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-314	COHO BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-315	COHO BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-316	COHO BUILDING	HEAD TANK SUPPLY	RAW WATER	BALL	3	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-317	COHO BUILDING	WORKING VESSEL SUPPLY	RAW WATER	BALL	3	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-318	COHO BUILDING	WORKING VESSEL SUPPLY	RAW WATER	BALL	3	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-320	COHO BUILDING	RACEWAY SUPPLY	RAW WATER	BALL	4	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-321	COHO BUILDING	RACEWAY SUPPLY	RAW WATER	BALL	4	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-322	COHO BUILDING	RACEWAY SUPPLY	RAW WATER	BALL	4	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-323	COHO BUILDING	RACEWAY SUPPLY	RAW WATER	BALL	4	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-324	COHO BUILDING	RACEWAY SUPPLY	RAW WATER	BALL	4	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-325	COHO BUILDING	RACEWAY SUPPLY	RAW WATER	BALL	4	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-330	COHO BUILDING	FEEDING VESSEL SUPPLY	RAW WATER	BALL	3	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-331	COHO BUILDING	FEEDING VESSEL SUPPLY	RAW WATER	BALL	3	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-332	COHO BUILDING	FEEDING VESSEL SUPPLY	RAW WATER	BALL	3	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-333	COHO BUILDING	FEEDING VESSEL SUPPLY	RAW WATER	BALL	3	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-420A	CHINOOK RACEWAYS	RACEWAY SUPPLY	RAW WATER	BUTTERFLY	6	125/150	WAFER	LEVER (OPEN)	DUCTILE IRON	43 25 02	
V-420B	CHINOOK RACEWAYS	RACEWAY SUPPLY	RAW WATER	BUTTERFLY	6	125/150	WAFER	LEVER (OPEN)	DUCTILE IRON	43 25 02	
V-421A	CHINOOK RACEWAYS	RACEWAY SUPPLY	RAW WATER	BUTTERFLY	6	125/150	WAFER	LEVER (OPEN)	DUCTILE IRON	43 25 02	
V-421B	CHINOOK RACEWAYS	RACEWAY SUPPLY	RAW WATER	BUTTERFLY	6	125/150	WAFER	LEVER (OPEN)	DUCTILE IRON	43 25 02	
V-422A	CHINOOK RACEWAYS	RACEWAY SUPPLY	RAW WATER	BUTTERFLY	6	125/150	WAFER	LEVER (OPEN)	DUCTILE IRON	43 25 02	
V-422B	CHINOOK RACEWAYS	RACEWAY SUPPLY	RAW WATER	BUTTERFLY	6	125/150	WAFER	LEVER (OPEN)	DUCTILE IRON	43 25 02	
V-423A	CHINOOK RACEWAYS	RACEWAY SUPPLY	RAW WATER	BUTTERFLY	6	125/150	WAFER	LEVER (OPEN)	DUCTILE IRON	43 25 02	
V-423B	CHINOOK RACEWAYS	RACEWAY SUPPLY	RAW WATER	BUTTERFLY	6	125/150	WAFER	LEVER (OPEN)	DUCTILE IRON	43 25 02	
V-424A	CHINOOK RACEWAYS	RACEWAY SUPPLY	RAW WATER	BUTTERFLY	6	125/150	WAFER	LEVER (OPEN)	DUCTILE IRON	43 25 02	
V-424B	CHINOOK RACEWAYS	RACEWAY SUPPLY	RAW WATER	BUTTERFLY	6	125/150	WAFER	LEVER (OPEN)	DUCTILE IRON	43 25 02	
V-425A	CHINOOK RACEWAYS	RACEWAY SUPPLY	RAW WATER	BUTTERFLY	6	125/150	WAFER	LEVER (OPEN)	DUCTILE IRON	43 25 02	
V-425B	CHINOOK RACEWAYS	RACEWAY SUPPLY	RAW WATER	BUTTERFLY	6	125/150	WAFER	LEVER (OPEN)	DUCTILE IRON	43 25 02	
V-426A	CHINOOK RACEWAYS	RACEWAY SUPPLY	RAW WATER	BUTTERFLY	6	125/150	WAFER	LEVER (OPEN)	DUCTILE IRON	43 25 02	
V-426B	CHINOOK RACEWAYS	RACEWAY SUPPLY	RAW WATER	BUTTERFLY	6	125/150	WAFER	LEVER (OPEN)	DUCTILE IRON	43 25 02	
V-427A	CHINOOK RACEWAYS	RACEWAY SUPPLY	RAW WATER	BUTTERFLY	6	125/150	WAFER	LEVER (OPEN)	DUCTILE IRON	43 25 02	
V-427B	CHINOOK RACEWAYS	RACEWAY SUPPLY	RAW WATER	BUTTERFLY	6	125/150	WAFER	LEVER (OPEN)	DUCTILE IRON	43 25 02	
V-500A	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-501A	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-502A	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-503A	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-504A	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-505A	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-506A	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-507A	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-508A	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-509A	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-510A	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-511A	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-512A	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-513A	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-514A	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-515A	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-516A	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-517A	CHINOOK INCUBATION BUILDING	HEAD TANK SUPPLY	RAW WATER	BUTTERFLY	6	125/150	WAFER	LEVER (OPEN)	DUCTILE IRON	43 25 02	

REV	DATE	BY	DESCRIPTION
0	10/28/20	MDM	ISSUED FOR CONSTRUCTION

WARNING
0 1/2 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

McMILLEN JACOBS ASSOCIATES

KLAMATH RIVER RENEWAL CORPORATION

KLAMATH RIVER RENEWAL CORPORATION
FALL CREEK FISH HATCHERY
MECHANICAL EQUIPMENT SCHEDULES 2

DESIGNED S. ELLENSON
DRAWN R. GUERRERO
CHECKED J. BOAG
PROJECT DATE 10/28/20

DRAWING GM002

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\GM002.dwg Plot date: Oct 27, 2020 01:15pm, CAD User: Guerrero

VALVE SCHEDULE

EQUIPMENT NO.	LOCATION	SERVICE	FLUID	TYPE	DIAMETER (IN)	ASME PRESSURE CLASS	ENDS	ACTUATOR TYPE (NORMAL POSITION)	MATERIAL	SPEC SECTION	COMMENTS
V-500B	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-501B	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-502B	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-503B	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-504B	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-505B	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-506B	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-507B	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-508B	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-509B	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-510B	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-511B	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-512B	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-513B	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-514B	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-515B	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-516B	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-500C	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-501C	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-502C	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-503C	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-504C	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-505C	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-506C	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-507C	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-508C	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-509C	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-510C	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-511C	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-512C	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-513C	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-514C	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-515C	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-516C	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-517C	CHINOOK INCUBATION BUILDING	HEAD TANK SUPPLY	RAW WATER	BUTTERFLY	6	125/150	WAFER	LEVER (OPEN)	DUCTILE IRON	43 25 02	
V-500D	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-501D	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-502D	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-503D	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-504D	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-505D	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-506D	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-507D	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-508D	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-509D	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-510D	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-511D	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-512D	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-513D	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-514D	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-515D	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-516D	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-500E	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-501E	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-502E	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-503E	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-504E	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-505E	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-506E	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-507E	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-508E	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-509E	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-510E	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-511E	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-512E	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-513E	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-514E	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-515E	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-516E	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-517E	CHINOOK INCUBATION BUILDING	HEAD TANK SUPPLY	RAW WATER	BUTTERFLY	6	125/150	WAFER	LEVER (OPEN)	DUCTILE IRON	43 25 02	

REV	DATE	BY	DESCRIPTION
0	10/28/20	MDM	ISSUED FOR CONSTRUCTION

LICENSED PROFESSIONAL ENGINEER
SEAN P. ELLENSON
M 40115
MECHANICAL
STATE OF CALIFORNIA
October 28, 2020

WARNING
0 1/2 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

McMILLEN JACOBS ASSOCIATES

KLAMATH RIVER RENEWAL CORPORATION

KLAMATH RIVER RENEWAL CORPORATION
FALL CREEK FISH HATCHERY

MECHANICAL EQUIPMENT SCHEDULES 3

DESIGNED S. ELLENSON
DRAWN R. GUERRERO
CHECKED J. BOAG
PROJECT DATE 10/28/20

DRAWING
GM003

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\GM003.dwg Plot date: Oct 27, 2020 01:15pm, CAD User: Guerrero

VALVE SCHEDULE

EQUIPMENT NO.	LOCATION	SERVICE	FLUID	TYPE	DIAMETER (IN)	ASME PRESSURE CLASS	ENDS	ACTUATOR TYPE (NORMAL POSITION)	MATERIAL	SPEC SECTION	COMMENTS
V-500F	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-501F	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-502F	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-503F	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-504F	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-505F	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-506F	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-507F	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-508F	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-509F	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-510F	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-511F	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-512F	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-513F	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-514F	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-515F	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-516F	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-500G	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-501G	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-502G	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-503G	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-504G	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-505G	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-506G	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-507G	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-508G	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-509G	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-510G	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-511G	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-512G	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-513G	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-514G	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-515G	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-516G	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-517G	CHINOOK INCUBATION BUILDING	HEAD TANK SUPPLY	RAW WATER	BUTTERFLY	6	125/150	WAFER	LEVER (OPEN)	DUCTILE IRON	43 25 02	
V-500H	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-501H	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-502H	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-503H	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-504H	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-505H	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-506H	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-507H	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-508H	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-509H	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-510H	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-511H	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-512H	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-513H	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-514H	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-515H	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-516H	CHINOOK INCUBATION BUILDING	INCUBATION TRAY SUPPLY	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-518A	CHINOOK INCUBATION BUILDING	WORKING VESSEL SUPPLY	RAW WATER	BALL	3	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-518C	CHINOOK INCUBATION BUILDING	WORKING VESSEL SUPPLY	RAW WATER	BALL	3	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-518E	CHINOOK INCUBATION BUILDING	WORKING VESSEL SUPPLY	RAW WATER	BALL	3	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-518G	CHINOOK INCUBATION BUILDING	WORKING VESSEL SUPPLY	RAW WATER	BALL	3	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-640	SPAWNING BUILDING/HOLDING PONDS	HOLDING POND SUPPLY	RAW WATER	BUTTERFLY	12	125/150	WAFER	LEVER (OPEN)	DUCTILE IRON	43 25 02	
V-641	SPAWNING BUILDING/HOLDING PONDS	HOLDING POND SUPPLY	RAW WATER	BUTTERFLY	12	125/150	WAFER	LEVER (OPEN)	DUCTILE IRON	43 25 02	
V-642	SPAWNING BUILDING/HOLDING PONDS	HOLDING POND SUPPLY	RAW WATER	BUTTERFLY	12	125/150	WAFER	LEVER (OPEN)	DUCTILE IRON	43 25 02	
V-643	SPAWNING BUILDING/HOLDING PONDS	HOLDING POND SUPPLY	RAW WATER	BUTTERFLY	12	125/150	WAFER	LEVER (OPEN)	DUCTILE IRON	43 25 02	
V-644	SPAWNING BUILDING/HOLDING PONDS	SPRINKLER ISOLATION	RAW WATER	BALL	1	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-650	SPAWNING BUILDING/HOLDING PONDS	SORTING POND SUPPLY	RAW WATER	BUTTERFLY	12	150	FLG X FLG	2-IN SQ NUT (OPEN)	CAST IRON	43 25 02	BURIED VALVE
V-651	SPAWNING BUILDING/HOLDING PONDS	SORTING POND SUPPLY	RAW WATER	BUTTERFLY	12	150	FLG X FLG	2-IN SQ NUT (OPEN)	CAST IRON	43 25 02	BURIED VALVE
V-652	SPAWNING BUILDING/HOLDING PONDS	E.A. BOX DRAIN	RAW WATER	BALL	2	150	TRUE UNION	LEVER (CLOSED)	PVC	43 25 04	
V-660	SETTLING POND	ISOLATION VALVE	WASTE WATER	BALL	4	150	TRUE UNION	LEVER (OPEN)	PVC	43 25 04	
V-661	SETTLING POND	ISOLATION VALVE	WASTE WATER	BALL	4	150	TRUE UNION	LEVER (CLOSED)	PVC	43 25 04	
V-662	SETTLING POND	SUMP CHECK VALVE	WASTE WATER	BALL CHECK	2.5	150	TRUE UNION	N/A	PVC	43 25 03	
V-663	SETTLING POND	SUMP CHECK VALVE	WASTE WATER	BALL CHECK	2.5	150	TRUE UNION	N/A	PVC	43 25 03	

REV	DATE	BY	DESCRIPTION
0	10/28/20	MDM	ISSUED FOR CONSTRUCTION

LICENSED PROFESSIONAL ENGINEER SEAN P. ELLENSON 40115 MECHANICAL STATE OF CALIFORNIA
October 28, 2020

WARNING
0 1/2 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

McMILLEN JACOBS ASSOCIATES

KLAMATH RIVER RENEWAL CORPORATION

KLAMATH RIVER RENEWAL CORPORATION

FALL CREEK FISH HATCHERY

MECHANICAL EQUIPMENT
SCHEDULES 4

DESIGNED S. ELLENSON
DRAWN R. GUERRERO
CHECKED J. BOAG
PROJECT DATE 10/28/20

DRAWING
GM004

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\GM004.dwg Plot date: Oct 27, 2020 01:15pm, CAD User: Guerrero

FISH SCREEN SCHEDULE (OWNER-FURNISHED)					
LOCATION	QUANTITY	WIDTH	HEIGHT	THICKNESS	COMMENTS
COHO RACEWAY BANK NO. 1	8	5'-0½"	4'-4"	1½"	RELOCATED FROM IRON GATE HATCHERY HEIGHT EXTENSION REQUIRED.
COHO RACEWAY BANK NO. 2	12	5'-0½"	5'-0"	1½"	RELOCATED FROM IRON GATE HATCHERY HEIGHT EXTENSION REQUIRED.
CHINOOK RACEWAY NO. 1	2	5'-11"	5'-0"	1½"	OWNER FABRICATED
CHINOOK RACEWAY NO. 1	4	5'-0½"	5'-0"	1½"	RELOCATED FROM IRON GATE HATCHERY HEIGHT EXTENSION REQUIRED.
CHINOOK RACEWAY NO. 2	2	5'-11"	5'-0"	1½"	OWNER FABRICATED
CHINOOK RACEWAY NO. 2	4	5'-0½"	5'-0"	1½"	RELOCATED FROM IRON GATE HATCHERY HEIGHT EXTENSION REQUIRED.
CHINOOK RACEWAY NO. 3	2	5'-11"	5'-0"	1½"	OWNER FABRICATED
CHINOOK RACEWAY NO. 3	4	5'-0½"	5'-0"	1½"	RELOCATED FROM IRON GATE HATCHERY HEIGHT EXTENSION REQUIRED.
CHINOOK RACEWAY NO. 4	2	5'-11"	5'-0"	1½"	OWNER FABRICATED
CHINOOK RACEWAY NO. 4	4	5'-0½"	5'-0"	1½"	RELOCATED FROM IRON GATE HATCHERY HEIGHT EXTENSION REQUIRED.
CHINOOK RACEWAY NO. 5	2	5'-11"	5'-0"	1½"	OWNER FABRICATED
CHINOOK RACEWAY NO. 5	4	5'-0½"	5'-0"	1½"	RELOCATED FROM IRON GATE HATCHERY HEIGHT EXTENSION REQUIRED.
CHINOOK RACEWAY NO. 6	2	5'-11"	5'-0"	1½"	OWNER FABRICATED
CHINOOK RACEWAY NO. 6	4	5'-0½"	5'-0"	1½"	RELOCATED FROM IRON GATE HATCHERY HEIGHT EXTENSION REQUIRED.
CHINOOK RACEWAY NO. 7	2	5'-11"	5'-0"	1½"	OWNER FABRICATED
CHINOOK RACEWAY NO. 7	4	5'-0½"	5'-0"	1½"	RELOCATED FROM IRON GATE HATCHERY HEIGHT EXTENSION REQUIRED.
CHINOOK RACEWAY NO. 8	2	5'-11"	5'-0"	1½"	OWNER FABRICATED
CHINOOK RACEWAY NO. 8	5	5'-0½"	5'-0"	1½"	RELOCATED FROM IRON GATE HATCHERY HEIGHT EXTENSION REQUIRED.
COHO ADULT HOLDING POND	1	5'-0½"	5'-0"	1½"	RELOCATED FROM IRON GATE HATCHERY HEIGHT EXTENSION REQUIRED.
COHO ADULT HOLDING POND	2	12'-10½"	5'-0"	1½"	OWNER FABRICATED
CHINOOK ADULT HOLDING POND	1	5'-0½"	5'-0"	1½"	RELOCATED FROM IRON GATE HATCHERY HEIGHT EXTENSION REQUIRED.
CHINOOK ADULT HOLDING POND	4	12'-10½"	5'-0"	1½"	OWNER FABRICATED
SORTING/TRAPPING POND	4	12'-2½"	5'-0"	1½"	OWNER FABRICATED

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\GM005.dwg Plot date: Oct 27, 2020 01:15pm, CAD User: Guerrero

REV	DATE	BY	DESCRIPTION
0	10/28/20	MDM	ISSUED FOR CONSTRUCTION

LICENSED PROFESSIONAL ENGINEER SEAN P. ELLENSON M 40115 MECHANICAL STATE OF CALIFORNIA
October 28, 2020

WARNING
0 1/2 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

McMILLEN JACOBS ASSOCIATES

KLAMATH RIVER RENEWAL CORPORATION

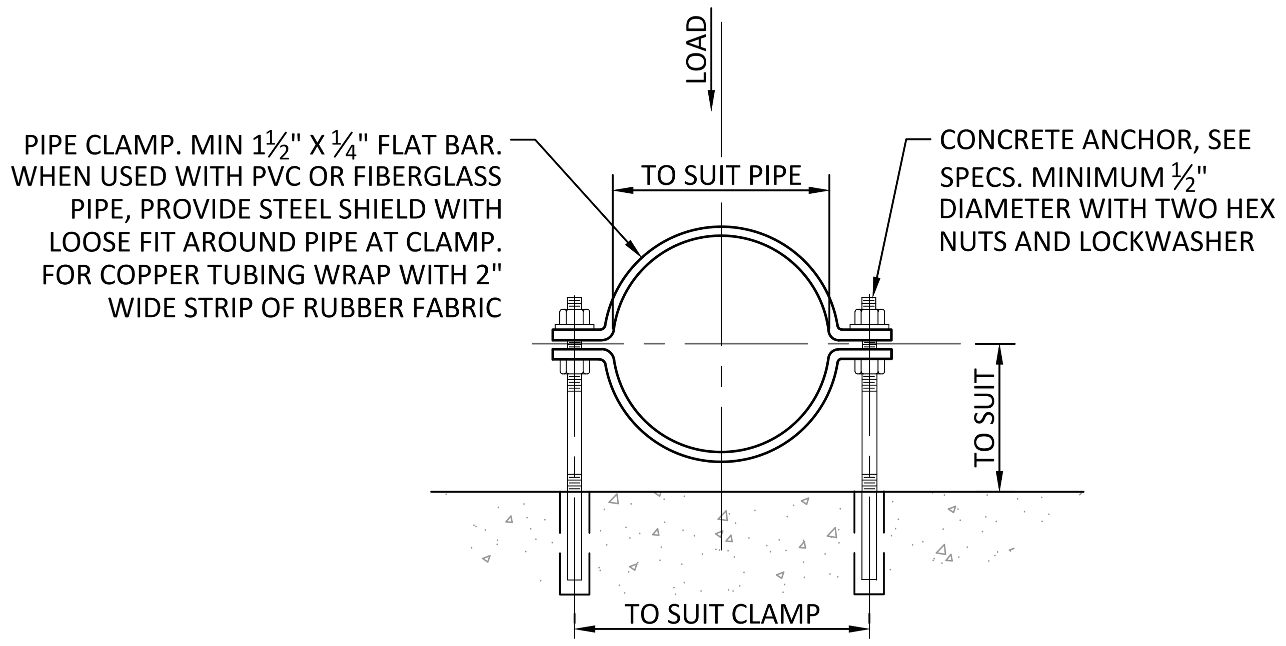
KLAMATH RIVER RENEWAL CORPORATION
FALL CREEK FISH HATCHERY

MECHANICAL EQUIPMENT
SCHEDULES 5

DESIGNED S. ELLENSON
DRAWN R. GUERRERO
CHECKED J. BOAG
PROJECT DATE 10/28/20

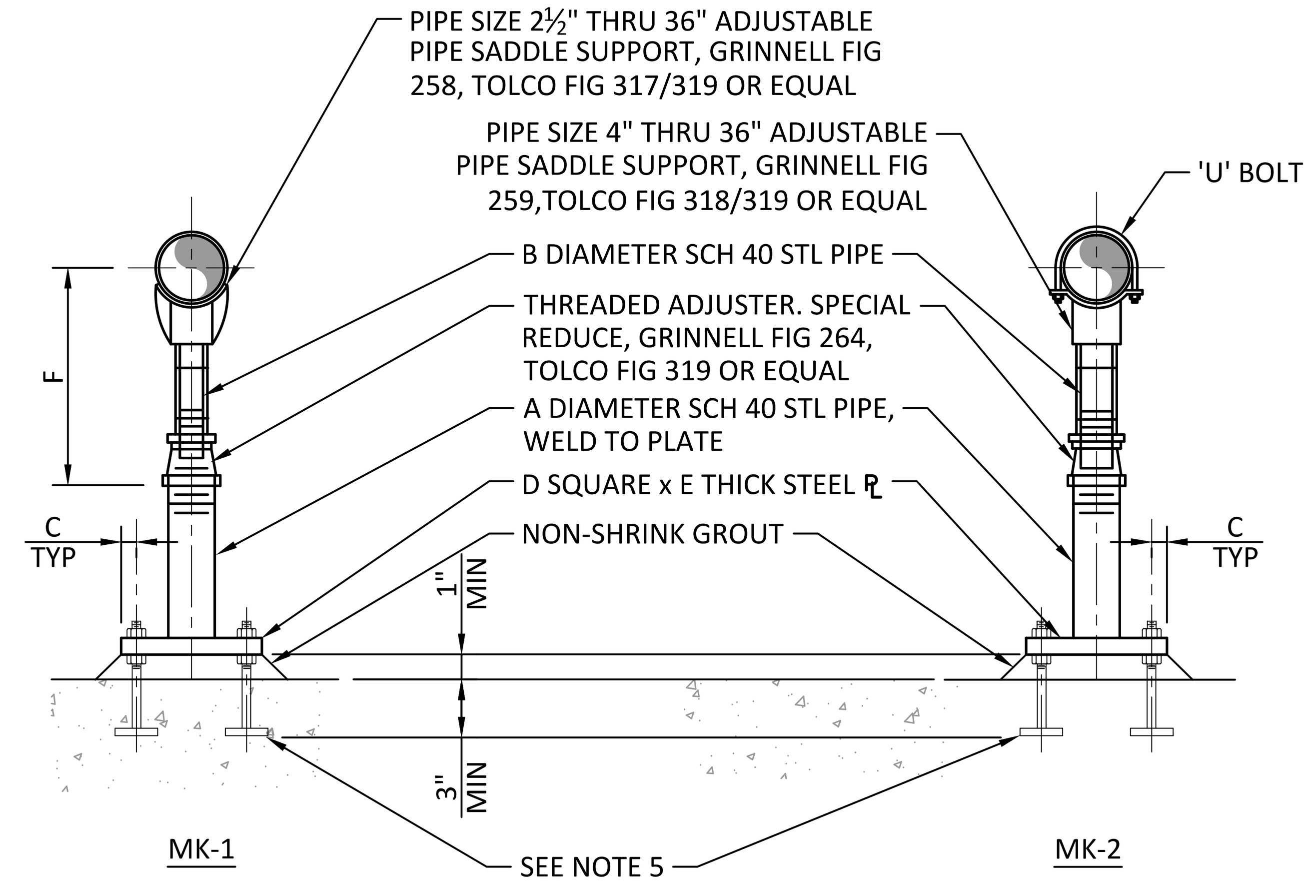
DRAWING
GM005

JOB NO: 000000



NOTES:
1. GALVANIZE ALL PARTS AFTER FABRICATION. WHERE SUBMERGED, PIPE CLAMP, NUTS, LOCKWASHERS, ANCHORS AND SHIELDS TO BE TYPE 316 STAINLESS STEEL.
2. THIS PIPE CLAMP IS LIMITED TO PIPES UP TO 4" DIAMETER INCLUSIVE.
3. FOR ADDITIONAL REQUIREMENTS SEE SPECIFICATIONS SECTION 'PIPE SUPPORTS'.

PIPE CLAMP
(FOR PIPE 4" DIAMETER AND SMALLER)
M101
SCALE: NTS

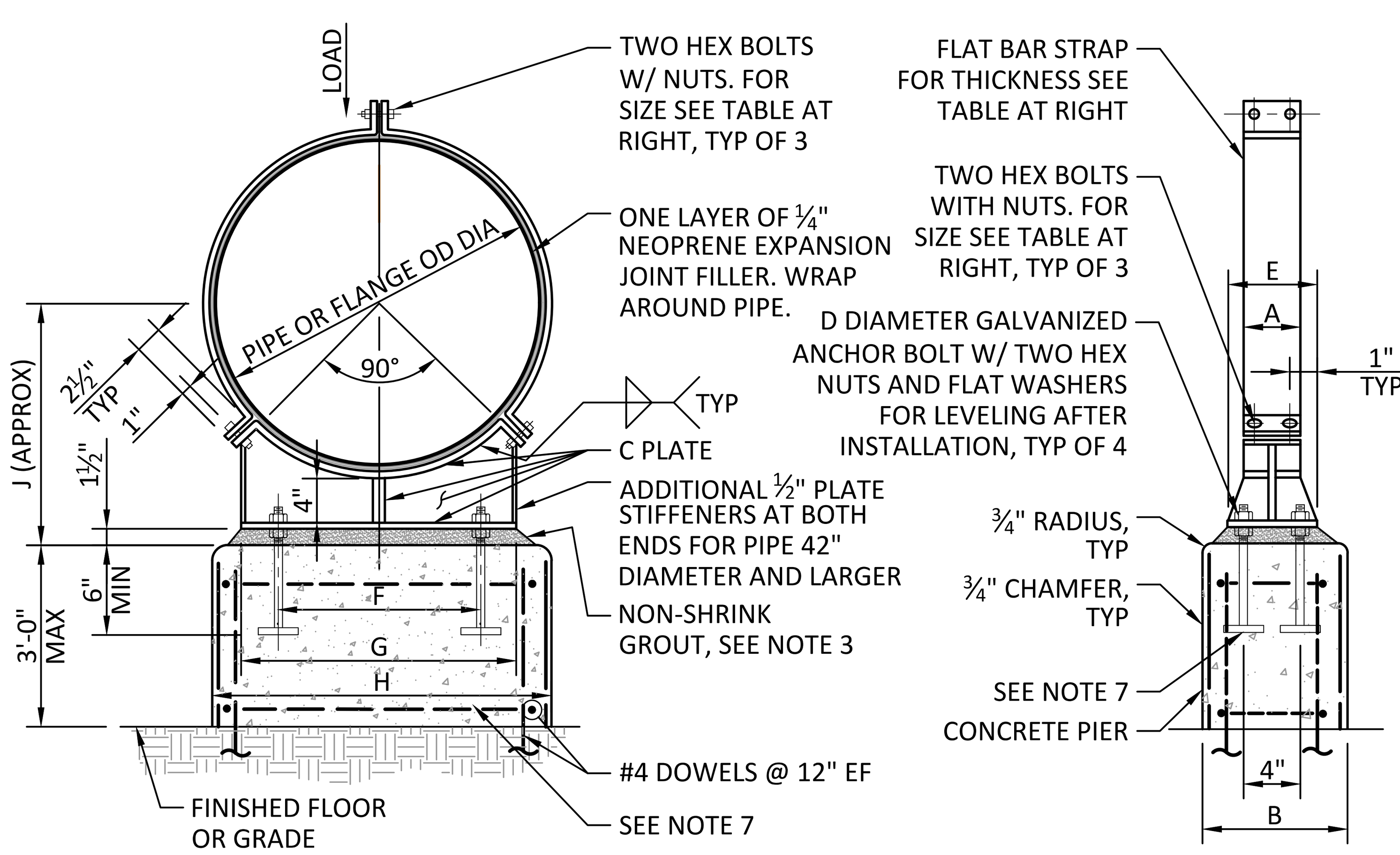


NOTES:
1. FOR ADDITIONAL REQUIREMENTS SEE SPEC SECTION 'PIPE SUPPORTS'.
2. GALVANIZE ALL PARTS AFTER FABRICATION.
3. WHERE PIPE SUPPORT OCCURS ON GRADE REFER TO STRUCTURAL DRAWINGS FOR DETAILS.
4. THIS PIPE SUPPORT IS LIMITED TO PIPE FROM 2½" DIAMETER TO 36" DIAMETER INCLUSIVE.
5. GALVANIZED ANCHOR BOLT OR CONCRETE ANCHOR WITH TWO NUTS AND ONE LOCKWASHER. PROVIDE BAR 4x½x4" WELDED TO BOLT. TYP OF 4, SEE SPECS.

DIMENSIONS IN INCHES							
NOMINAL PIPE SIZE	A	B	C	D	E	F (APPROX) (MIN)	F (APPROX) (MAX)
2½	2	1½	2	6	⅜	7	11½
3	2	1½	2	6	⅜	7 5/16	11 13/16
3½	2	1½	2	6	⅜	7 9/16	12 1/16
4	3	*2½/3	1⅛	7½	½	10¼	14¾
6	3	*2½/3	1⅛	7½	½	11 9/16	16 1/16
8	3	*2½/3	1⅛	7½	½	13 9/16	18 1/16
10	3	*2½/3	1⅛	7½	½	14⅝	19⅛
12	3	*2½/3	1⅛	7½	½	15⅝	20⅛
14	4	3	1¼	9	⅝	18⅞	23⅛
16	4	3	1¼	9	⅝	19⅞	24⅜
18	6	4	1½	11	¾	22¼	26¾
20	6	4	1½	11	¾	23¼	27¾
24	6	4	1½	11	¾	26½	31
30	6	4	1½	11	¾	29⅝	34⅛
32	6	4	1½	11	¾	30⅝	35⅛
36	6	4	1½	11	¾	32⅝	37⅛

* SEE MANUFACTURER

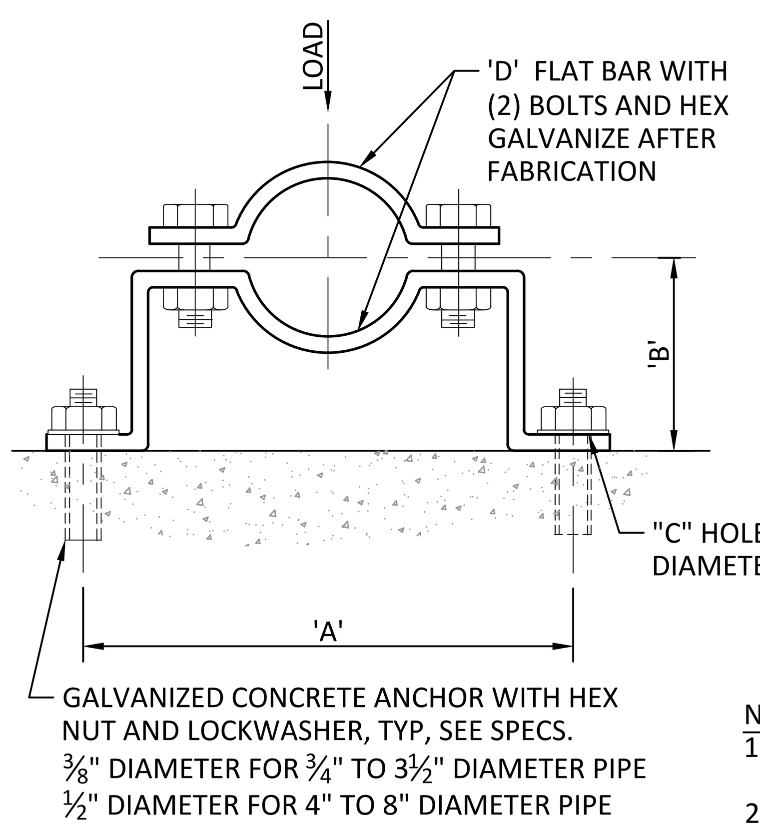
ADJUSTABLE PIPE SUPPORT WITH OR WITHOUT 'U' BOLT
M108
SCALE: NTS



NOTES:
1. WHEN SUPPORTING PIPE AND FLANGE ALTERNATELY ON THE SAME LINE, CONCRETE PIERS FOR PIPE SUPPORTS SHALL ALL HAVE THE SAME DIMENSION 'H' FOR FLANGE SUPPORT.
2. PIPE SUPPORTS SHALL BE LOCATED IN PLAN AT POINTS MARKED THUS: (X).
3. WHERE DIFFERENTIAL SETTLEMENT IS LIKELY TO OCCUR, OMIT GROUT AS DIRECTED BY THE ENGINEER.
4. GALVANIZE ALL PARTS AFTER FABRICATION.
5. WHERE DIRECTED BY THE STRUCTURAL ENGINEER, BOTTOM OF PIERS SHALL EXTEND BELOW BOTTOM OF SLAB.
6. WHERE PIPE SUPPORT OCCURS ON GRADE REFER TO STRUCTURAL DRAWINGS FOR DETAILS.
7. GALVANIZED ANCHOR BOLT OR CONCRETE ANCHOR WITH TWO NUTS AND ONE LOCKWASHER. PROVIDE BAR 4x½x4" WELDED TO BOLT, TYP OF 4. SEE SPECIFICATIONS.

DIMENSIONS IN INCHES															
						STRAP		SUPPORTING							
								PIPE				FLANGE			
NOMINAL PIPE SIZE	A	B	C	D	E	BOLT SIZE	FLAT BAR	F	G	H	J	F	G	H	J
6	4	12	⅜	⅝	6	½	¼	4½	8	14	10	6½	11	16	13
8	4	12	⅜	⅝	6	½	¼	5	9½	14	11	7½	13	18	14
10	4	12	⅜	⅝	6	½	¼	6	11	16	12	9	15	20	15
12	4	12	⅜	⅝	6	½	¼	7	13	18	13	10	17	22	16
14	4	12	⅜	⅝	6	½	¼	8	13	18	14	11	18	23	17
16	4	12	⅜	⅝	6	½	¼	9	15	21	15	12	20	26	18
18	4	12	⅜	⅝	6	½	¼	10	16	22	16	13	21	26	19
20	5	12	⅜	⅝	6	⅝	⅜	10	18	24	17	15	23	28	21
22	5	12	⅜	⅝	6	⅝	⅜	12	19	24	18	16	25	30	22
24	5	12	⅜	⅝	6	⅝	⅜	13	21	26	19	16	26	32	23
26	5	12	⅜	¾	6	⅝	⅜	14	22	28	20	18	28	34	24
30	5	12	⅜	¾	6	⅝	⅜	16	25	30	22	20	31	36	26
34	5	15	⅜	¾	6	⅝	⅜	18	28	33	24	22	35	41	29
36	6	15	⅜	¾	6	¾	⅜	19	29	34	25	24	36	42	30
42	6	18	½	1	8	¾	⅜	21	33	39	28	27	41	47	33
48	6	18	½	1	8	¾	⅜	24	38	44	31	30	46	52	37
54	6	18	½	1	8	¾	⅜	28	42	48	34	34	50	56	40
60	6	18	½	1⅛	8	¾	⅜	32	46	52	37	36	56	62	44
66	6	18	½	1⅛	8	¾	⅜	33	51	58	40	40	61	68	47
72	6	18	½	1⅛	8	¾	⅜	36	55	62	43	44	65	72	50

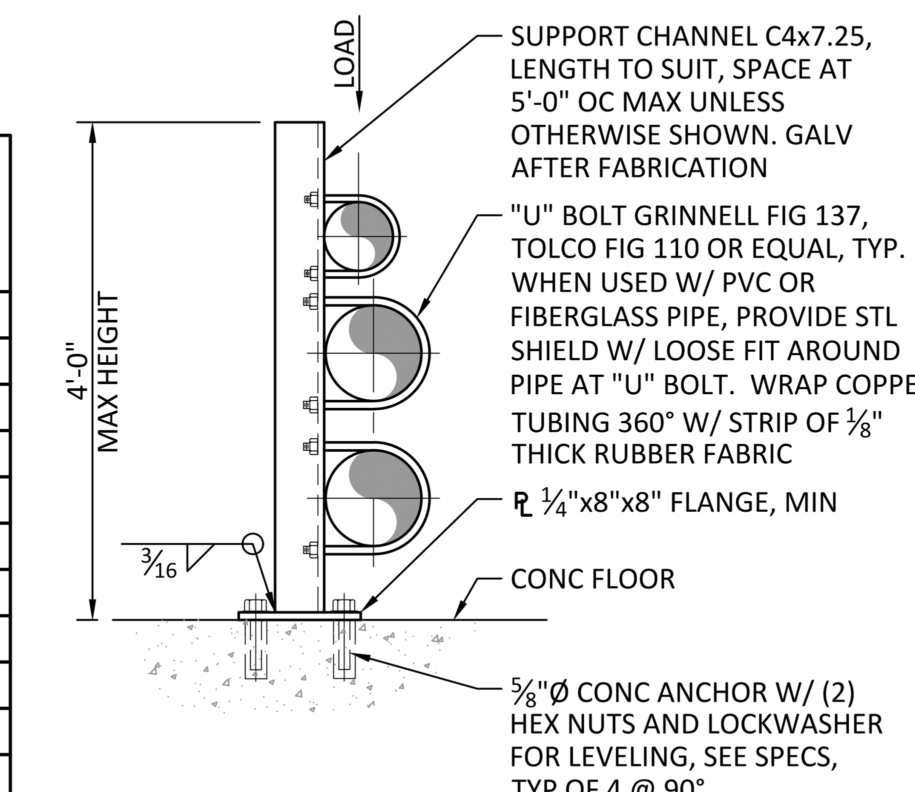
PIPE SUPPORT WITH STRAP
M110
SCALE: NTS



DIMENSIONS IN INCHES					LOAD RATING LBS
PIPE DIAMETER	"A"	"B" SEE NOTE 3 BELOW	"C" HOLE DIAMETER	"D" FLAT BAR SIZE	
¾	5 15/16	2½	7/16	3/16 x 1¼	190
1	6¼	2⅝	7/16	3/16 x 1¼	190
1¼	6 11/16	2¾	7/16	3/16 x 1¼	190
1½	6 15/16	3	7/16	3/16 x 1¼	190
2	8 5/16	3 3/16	7/16	¼ x 1¼	420
2½	8⅞	3 7/16	7/16	¼ x 1¼	420
3	9⅛	3¾	7/16	¼ x 1¼	420
3½	10 1/16	4	7/16	¼ x 1¼	420
4	10 9/16	4¼	9/16	¼ x 1½	610
5	11¾	4¾	9/16	¼ x 1½	610
6	14⅜	5 5/16	9/16	⅜ x 1½	870
8	16⅝	6 5/16	9/16	⅜ x 1½	870

NOTE:
1. WHERE SUBMERGED, PIPE CLAMP, ANCHORS, SHIELD, NUTS AND LOCKWASHER TO BE TYPE 316 STAINLESS STEEL.
2. WHEN USED WITH PVC OR FIBERGLASS PIPE, PROVIDE STEEL SHIELD WITH LOOSE FIT AROUND PIPE AT CLAMP. WRAP COPPER TUBING WITH 2" WIDE STRIP OF RUBBER AT CLAMP.
3. FOR FLANGED PIPING, INCREASE 'B' DIMENSION AS REQUIRED.

PIPE CLAMP FOR INDIVIDUAL PIPES
M117
SCALE: NTS



NOTES:
1. FOR ADDITIONAL REQUIREMENTS SEE SPECIFICATION SECTION 'PIPE SUPPORTS'.
2. THIS PIPE SUPPORT IS LIMITED TO PIPES ½"Ø THRU 12"Ø.

UPRIGHT PIPE SUPPORT FOR PIPE 12" DIAMETER AND SMALLER
M132
SCALE: NTS

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\GM006.dwg Plot date: Oct 27, 2020 01:15pm, CAD User: Guerrero

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0	10/28/20	MDM	ISSUED FOR CONSTRUCTION

WARNING
0 1/2 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

McMILLEN JACOBS ASSOCIATES

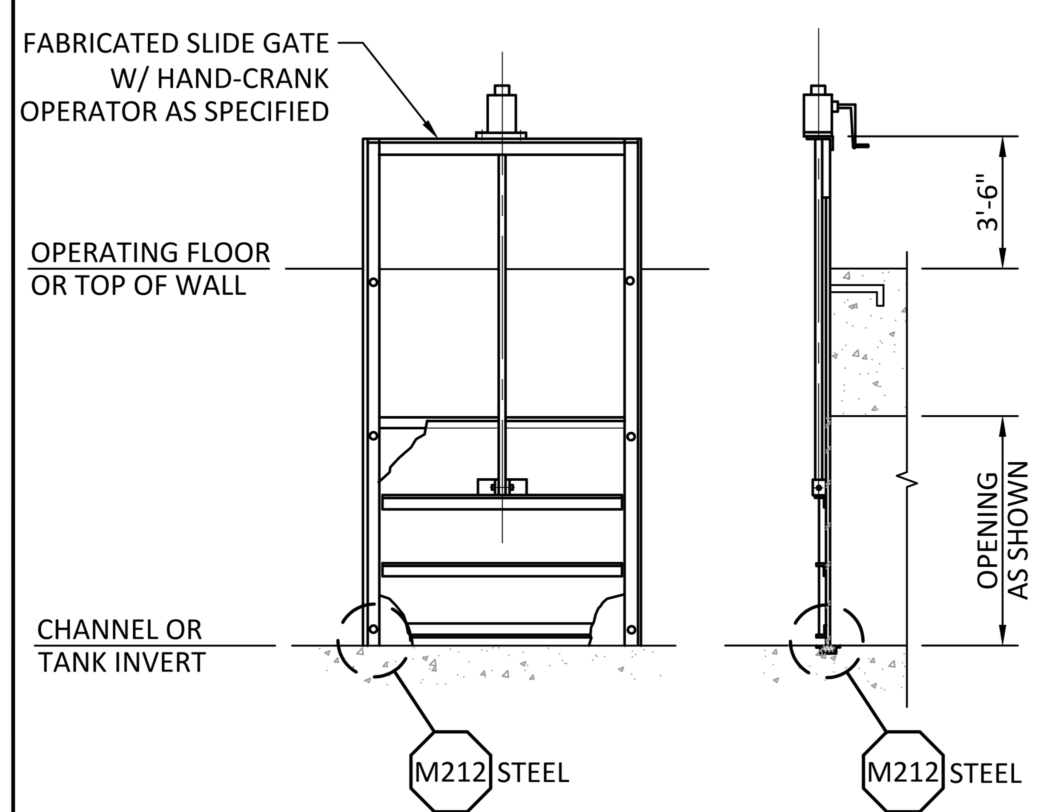
KLAMATH RIVER RENEWAL CORPORATION

KLAMATH RIVER RENEWAL CORPORATION
FALL CREEK FISH HATCHERY
MECHANICAL
STANDARD DETAILS 1

DESIGNED S. ELLENSON
DRAWN R. GUERRERO
CHECKED J. BOAG
PROJECT DATE 10/28/20

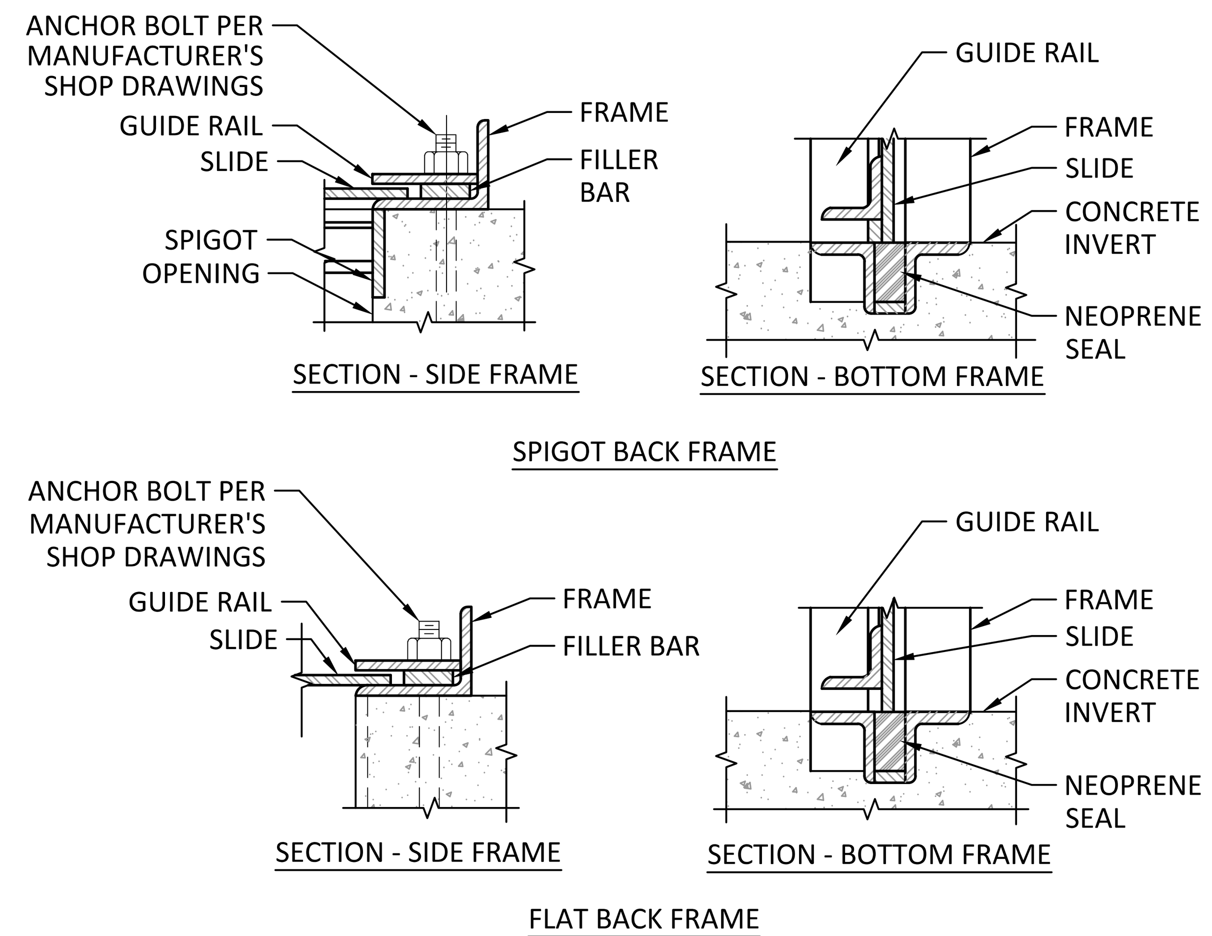
DRAWING
GM006

JOB NO: 000000



SLIDE GATE WITH FLUSH BOTTOM
M206

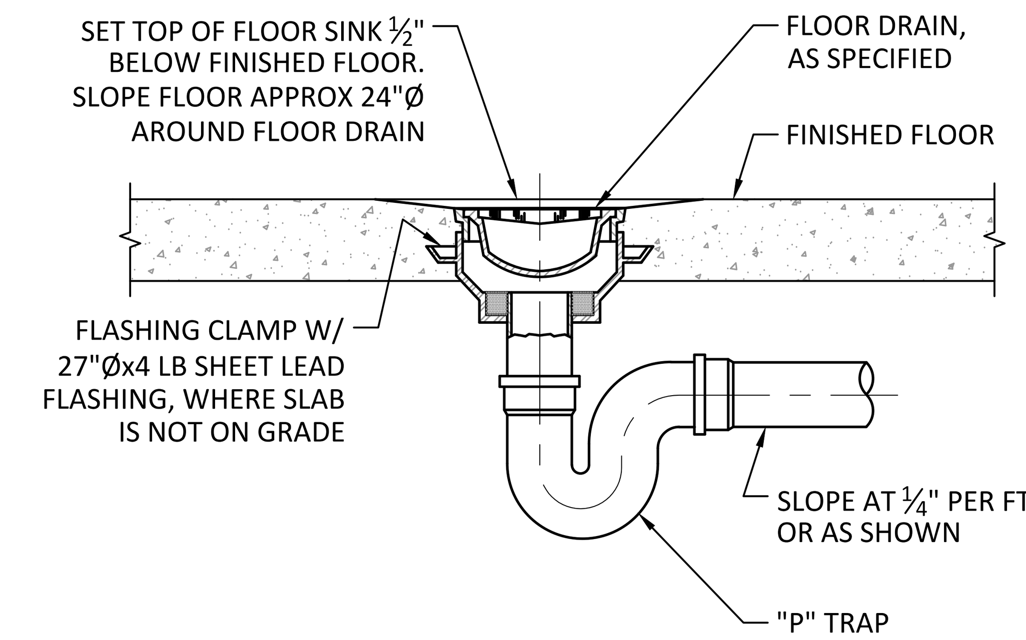
SCALE: NTS



NOTE:
1. FOR ACTUAL DIMENSIONS SEE MANUFACTURER'S SHOP DRAWINGS.
2. MATERIALS AS SPECIFIED.

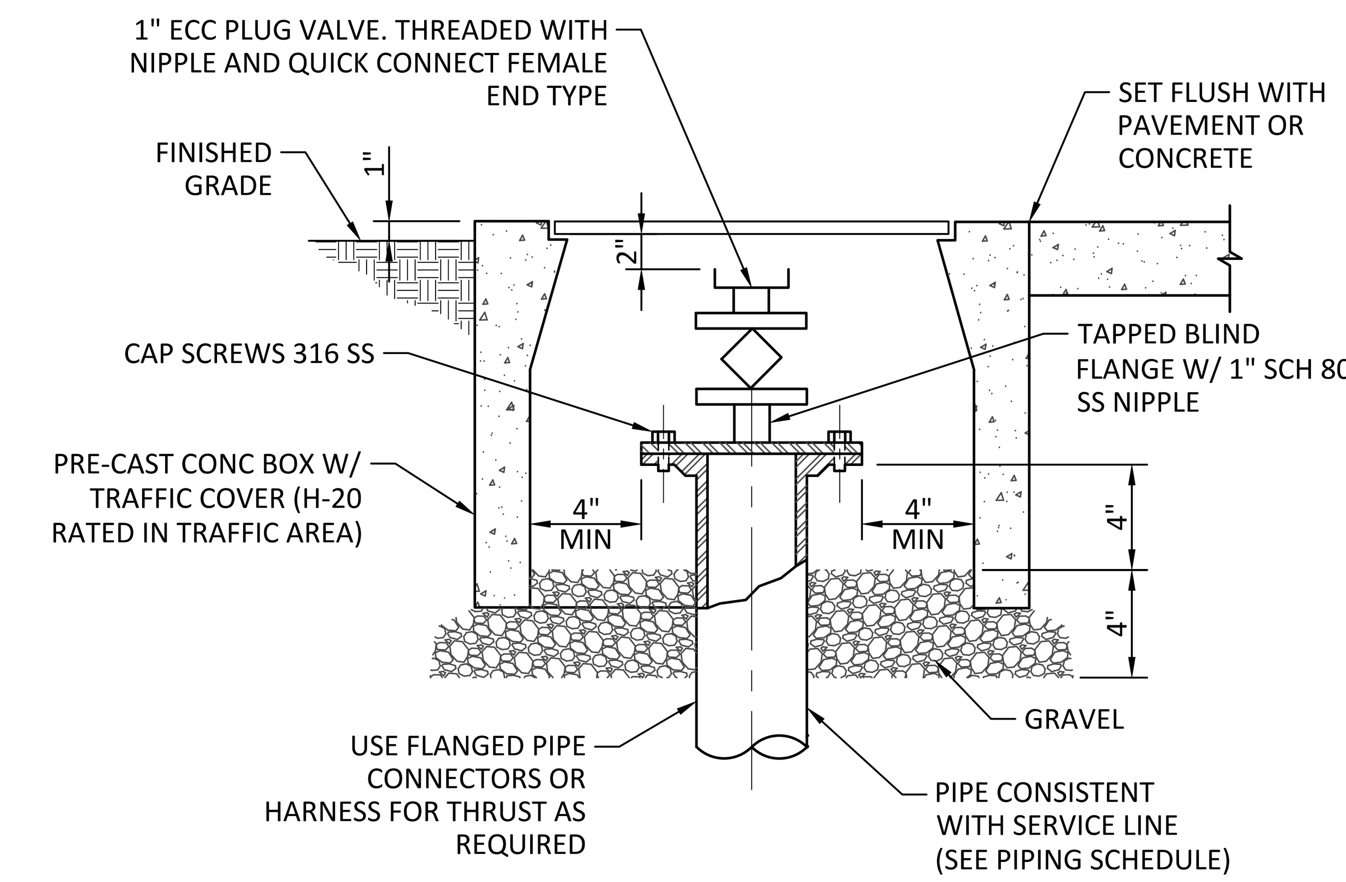
FLUSH BOTTOM OR FLAT BACK FRAME
M212

SCALE: NTS



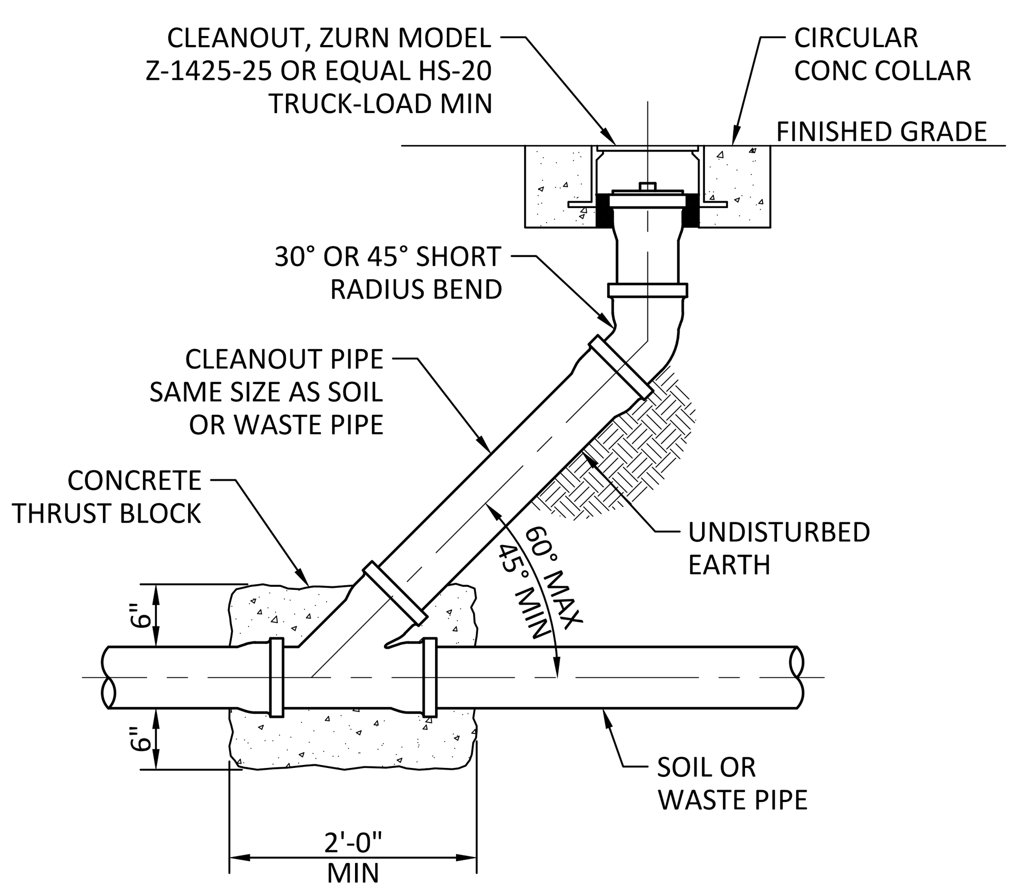
FLOOR DRAIN
M302

SCALE: NTS



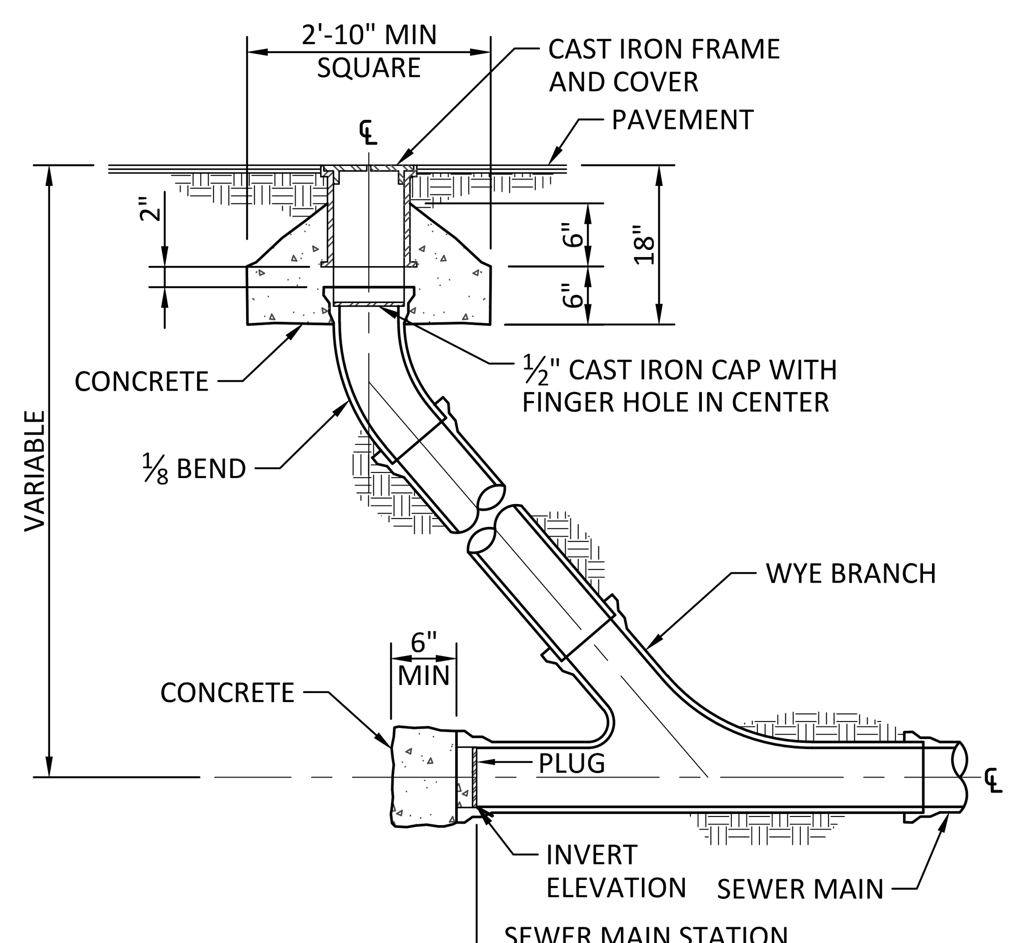
PRESSURIZED SYSTEM CLEANOUT TO GRADE
M315

SCALE: NTS



CLEANOUT AT GRADE
M318

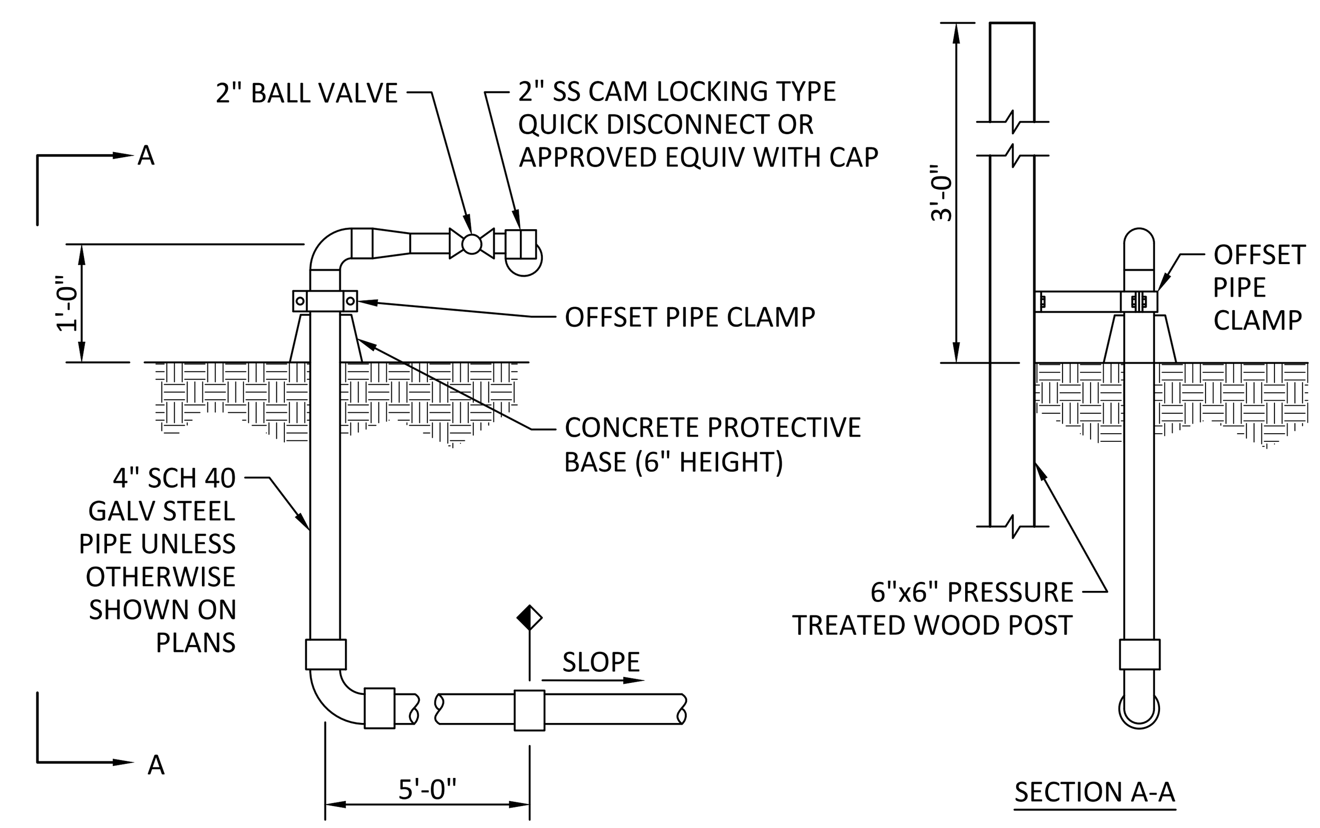
SCALE: NTS



NOTES:
1. IF IN UNIMPROVED AREA TOP SHALL BE 6" ABOVE GRADE.
2. SEE PLAN FOR STATION AND INVERT ELEVATION PIPE AND FITTINGS SHALL BE OF THE SAME MATERIAL AS THE MAIN LINE SEWER.

CLEANOUT TO GRADE (COTG)
M319

SCALE: NTS



CLEANING WASTE STATION
M320

SCALE: NTS

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0	10/28/20	MDM	ISSUED FOR CONSTRUCTION

LICENSED PROFESSIONAL ENGINEER SEAN P. ELLENSON M 40115 MECHANICAL STATE OF CALIFORNIA
October 28, 2020

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

McMILLEN JACOBS ASSOCIATES

KLAMATH RIVER RENEWAL CORPORATION

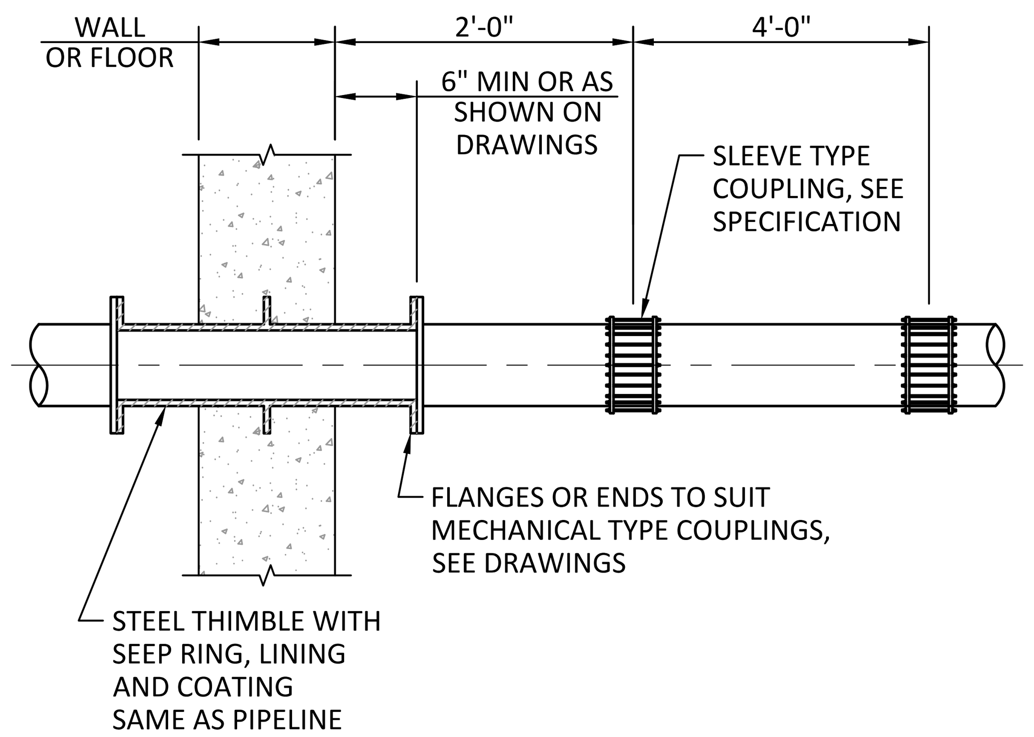
KLAMATH RIVER RENEWAL CORPORATION
FALL CREEK FISH HATCHERY
MECHANICAL
STANDARD DETAILS 2

DESIGNED S. ELLENSON
DRAWN R. GUERRERO
CHECKED J. BOAG
PROJECT DATE 10/28/20

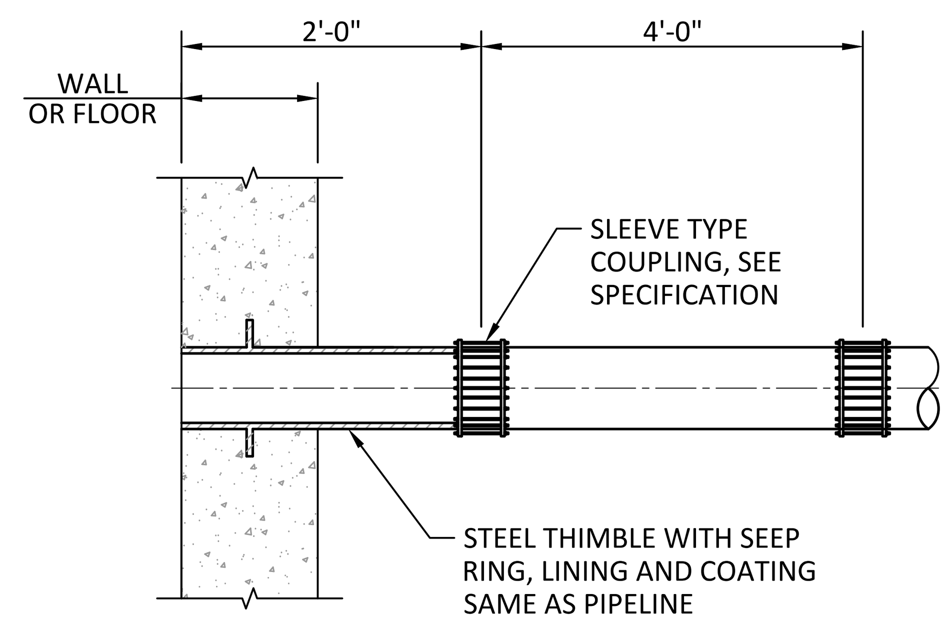
DRAWING
GM007

JOB NO: 000000

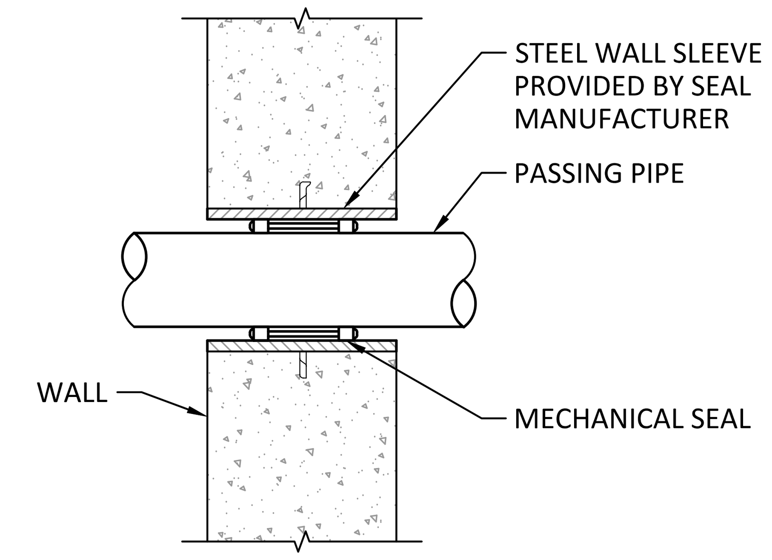
Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\GM007.dwg Plot date: Oct 27, 2020 01:16pm, CAD User: Guerrero



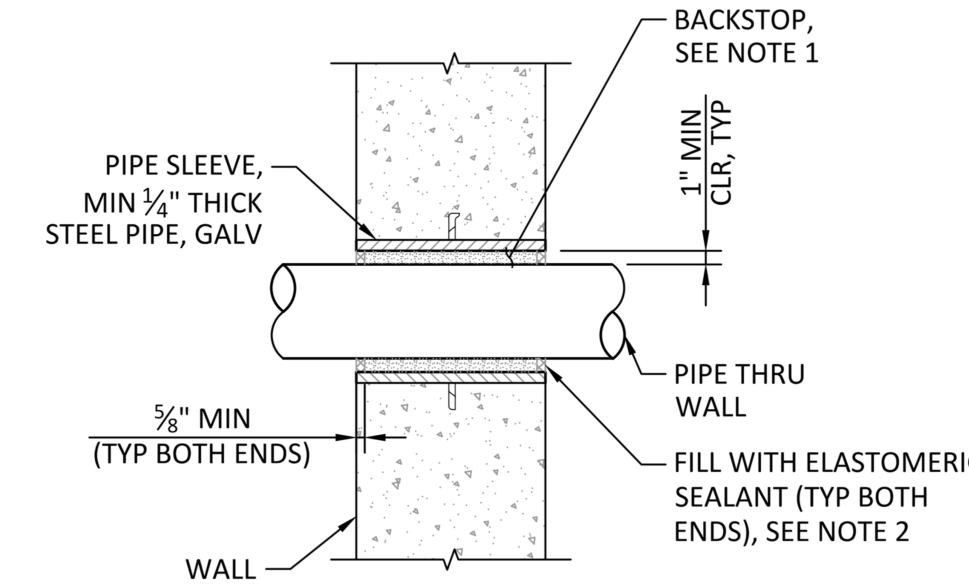
FLANGED THIMBLE M402
SCALE: NTS



THIMBLE M404
SCALE: NTS

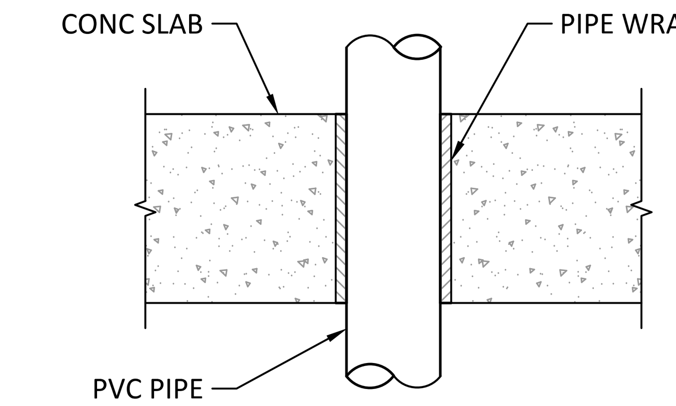


WALL SLEEVE M405
SCALE: NTS

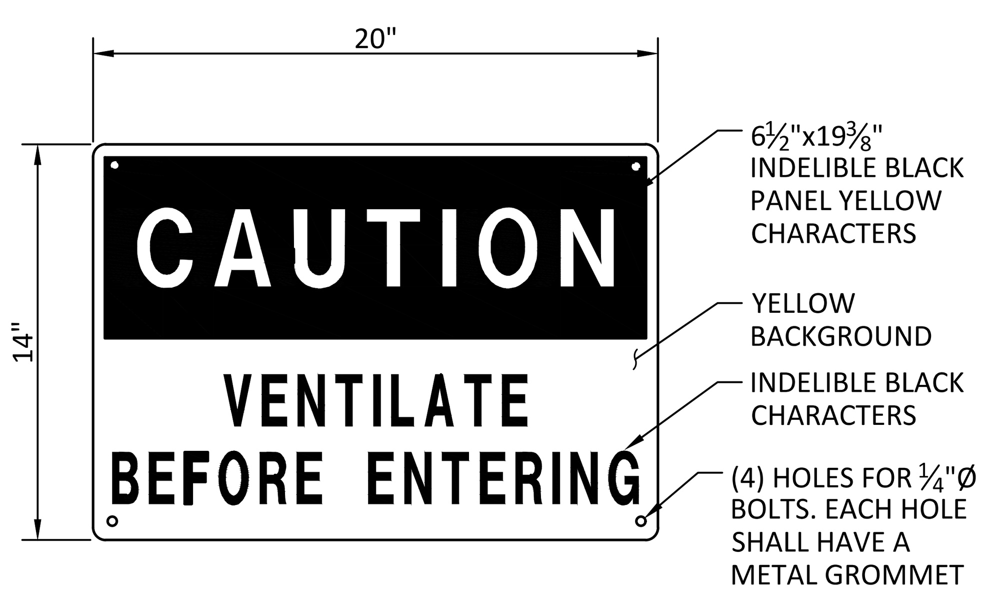


NOTE:
1. PROVIDE GLASS FIBER ROVING, POLYURETHANE, OR POLYETHYLENE FOAMS FREE FROM OIL AS RECOMMENDED BY SEALANT MANUFACTURER.
2. USE ASTM C920, TYPE S, GRADE NS, CLASS 25 ELASTOMERIC SEALANT.

WALL SLEEVE M406
SCALE: NTS

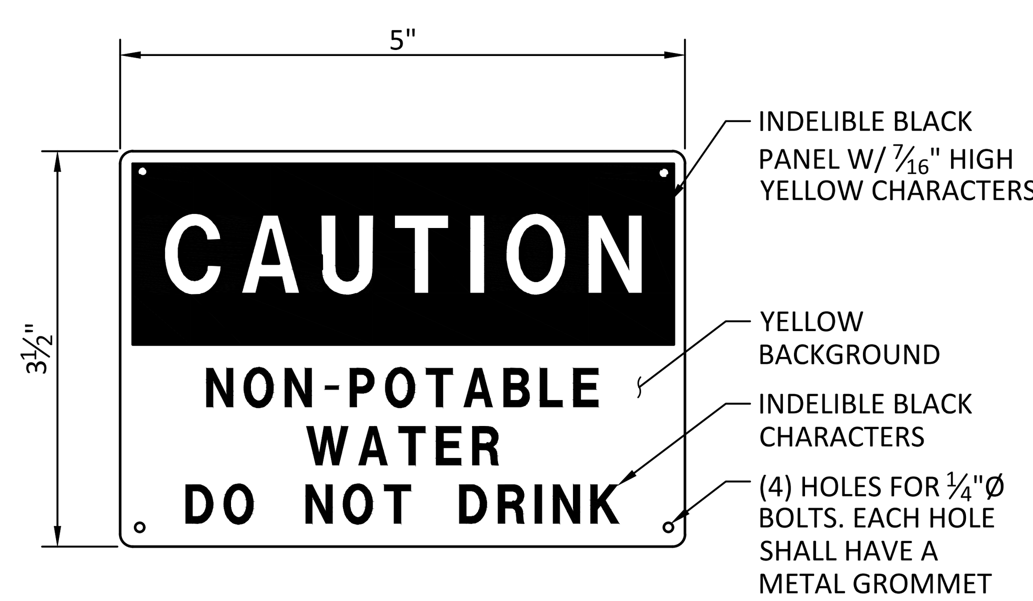


FLOOR SLEEVE M418
SCALE: NTS



NOTES:
1. WARNING SIGN TO BE ABLE TO BEND TO A 9" RADIUS.
2. MATERIAL TO BE 0.060" THICK BUTYRATE OR EQUAL,
3. SIGN TO BE ATTACHED IN CONSPICUOUS LOCATION AT ENTRY TO STRUCTURE.

VENTILATION WARNING SIGN M602
SCALE: NTS



NOTES:
1. MATERIAL TO BE SEMI-RIGID BUTYRATE OR EQUAL.
2. COLORS AND LETTER SIZE TO BE PER OSHA STANDARDS FOR CAUTION SIGNS.
3. PROVIDE THIS SIGN AT ALL HOSE BIBB LOCATIONS WHERE WATER IS NON-POTABLE.

WARNING SIGN FOR NON-POTABLE WATER M603
SCALE: NTS

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\GM008.dwg Plot date: Oct 27, 2020 01:16pm, CAD User: Guerrero

REV	DATE	BY	DESCRIPTION
0	10/28/20	MDM	ISSUED FOR CONSTRUCTION

LICENSED PROFESSIONAL ENGINEER SEAN P. ELLENSON M 40115 MECHANICAL STATE OF CALIFORNIA
October 28, 2020

WARNING
0 1/2 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

McMILLEN JACOBS ASSOCIATES

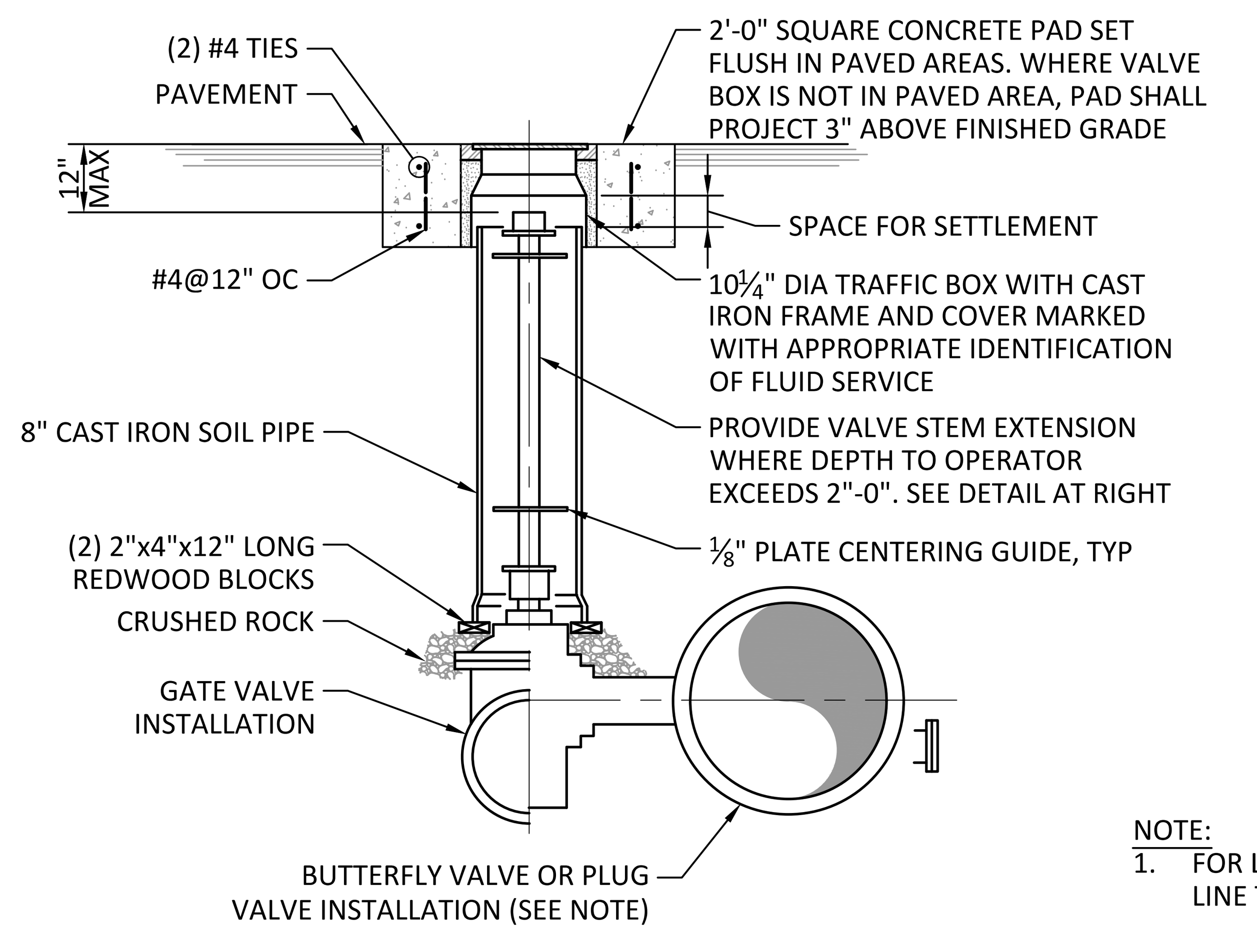
KLAMATH RIVER RENEWAL CORPORATION

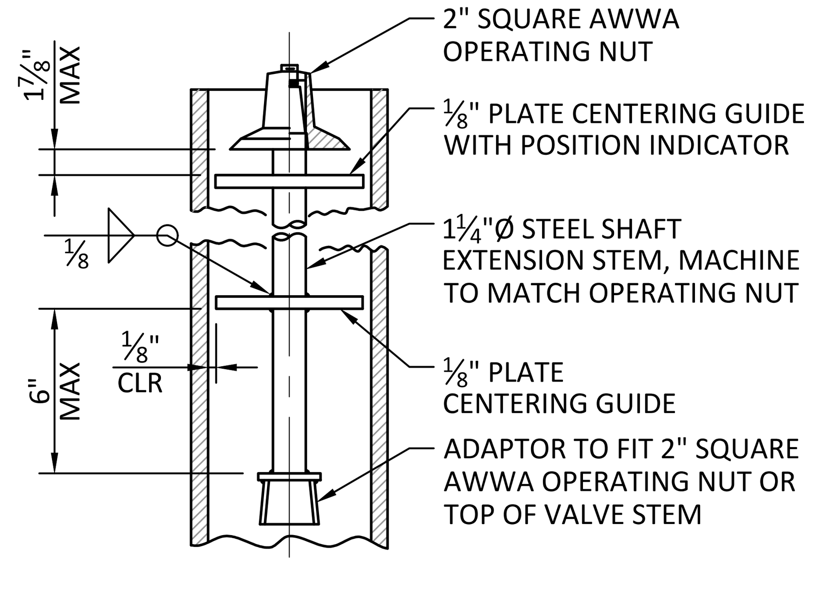
KLAMATH RIVER RENEWAL CORPORATION
FALL CREEK FISH HATCHERY
MECHANICAL
STANDARD DETAILS 3

DESIGNED S. ELLENSON
DRAWN R. GUERRERO
CHECKED J. BOAG
PROJECT DATE 10/28/20

DRAWING
GM008

JOB NO: 000000

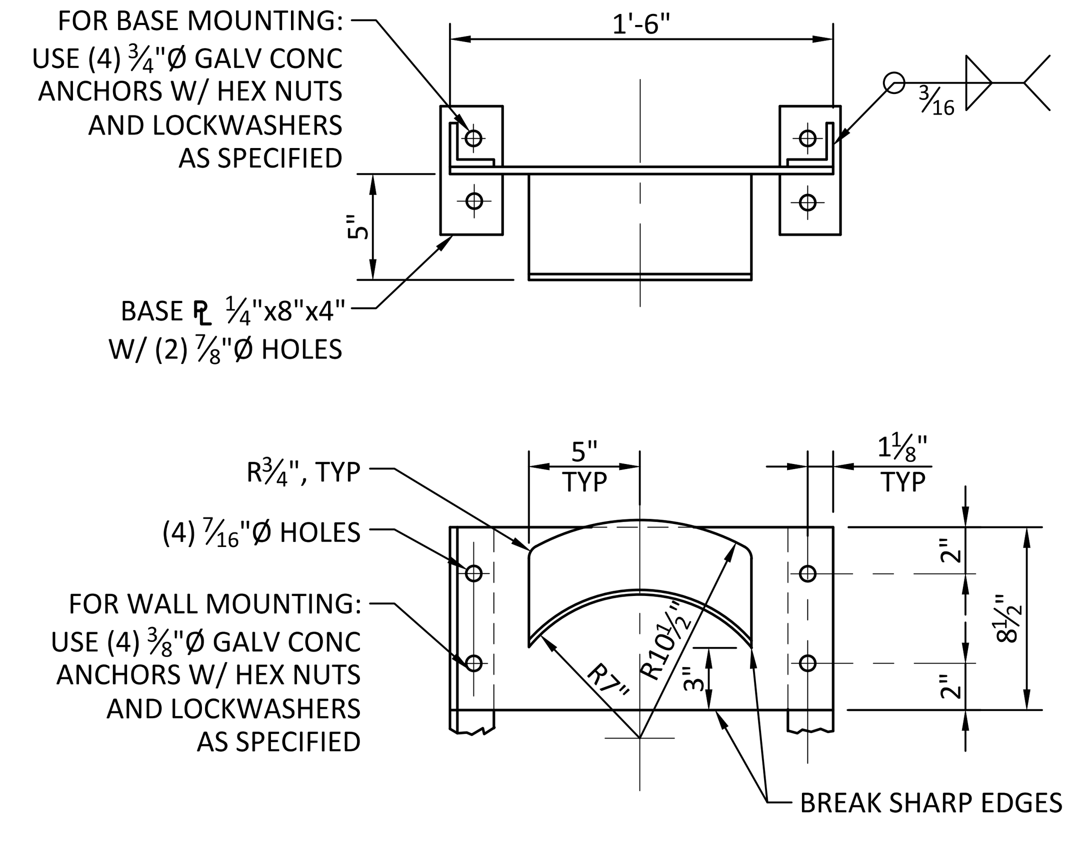




VALVE STEM EXTENSION

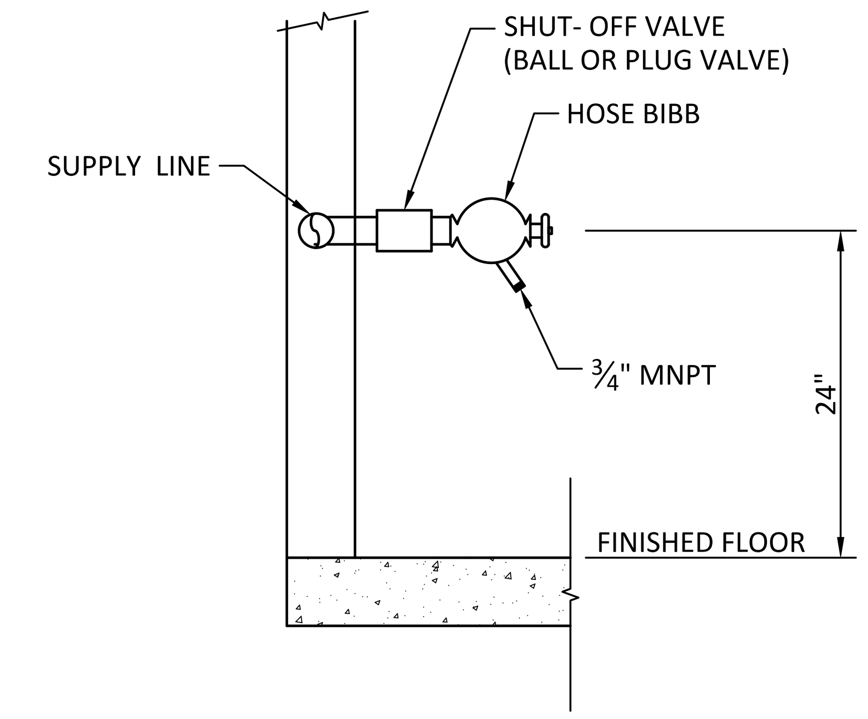
NOTE:
1. FOR LUBRICATED PLUG VALVE, EXTEND LUBRICATION LINE TO GRADE PER MANUFACTURERS INSTRUCTIONS.

BURIED VALVE
SCALE: NTS
M803

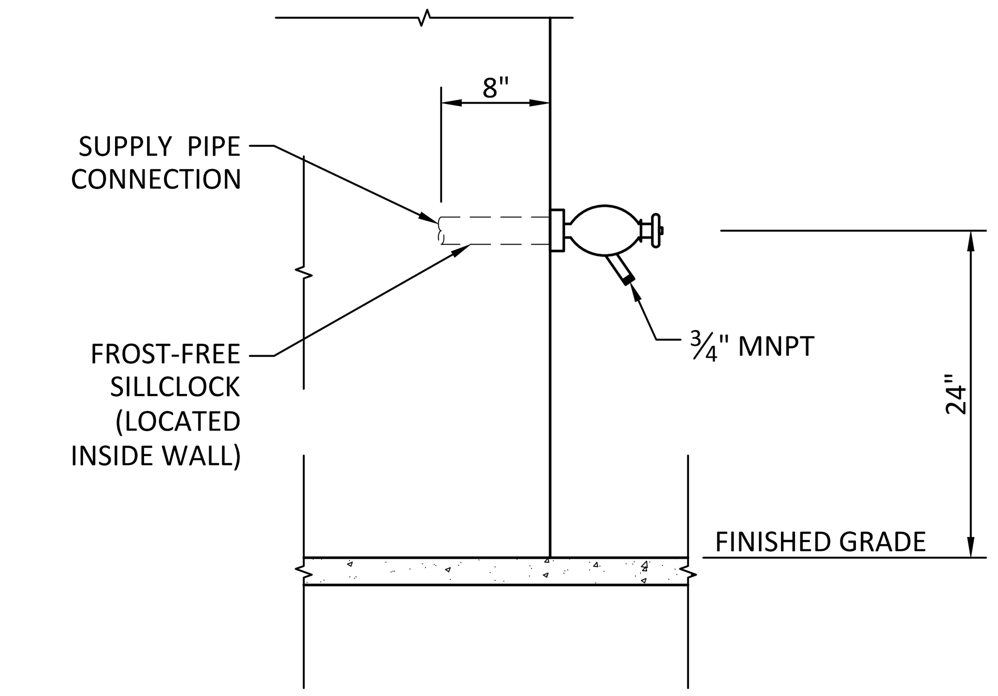


NOTES:
1. WHERE HOSE RACK IS FREE-STANDING, PROVIDE TWO STEEL ANGLES 2"x2"x¼" W/BASE PLATES (OMIT BASE PLATES WHERE ANGLES CAN BE SET IN CONCRETE).
2. ALL WELDED CONSTRUCTION. 8 GAUGE STEEL SHEET GALVANIZED AFTER FABRICATION.

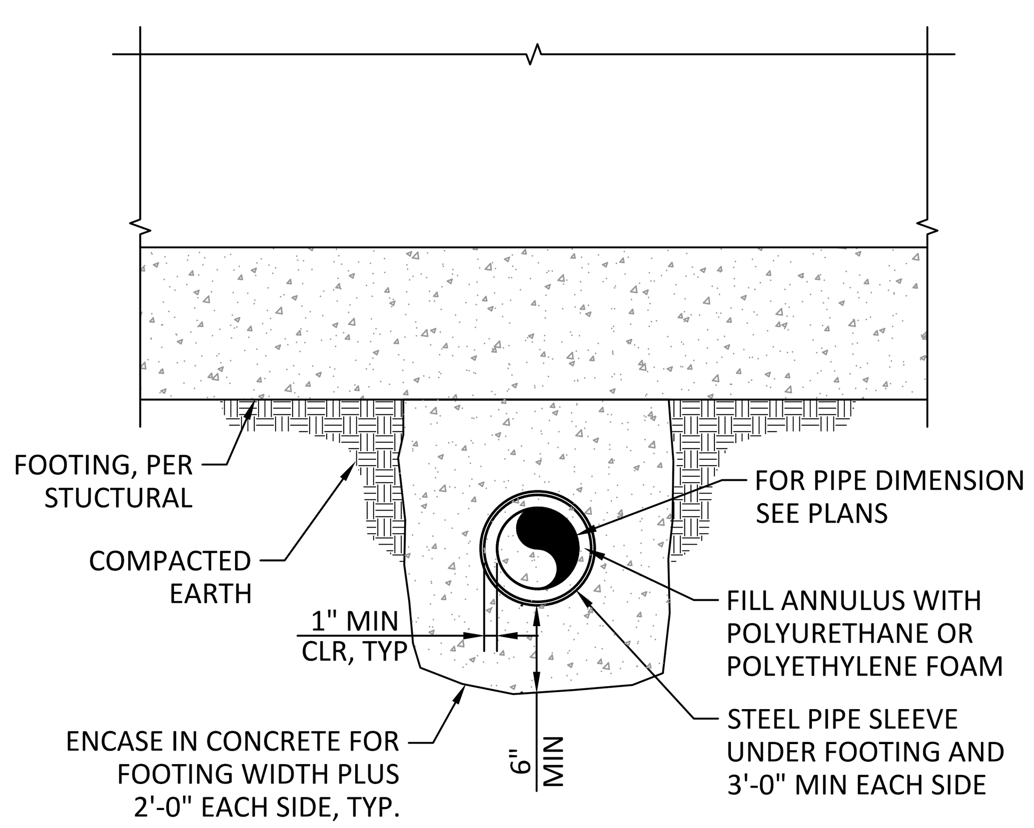
HOSE RACK
SCALE: NTS
M813



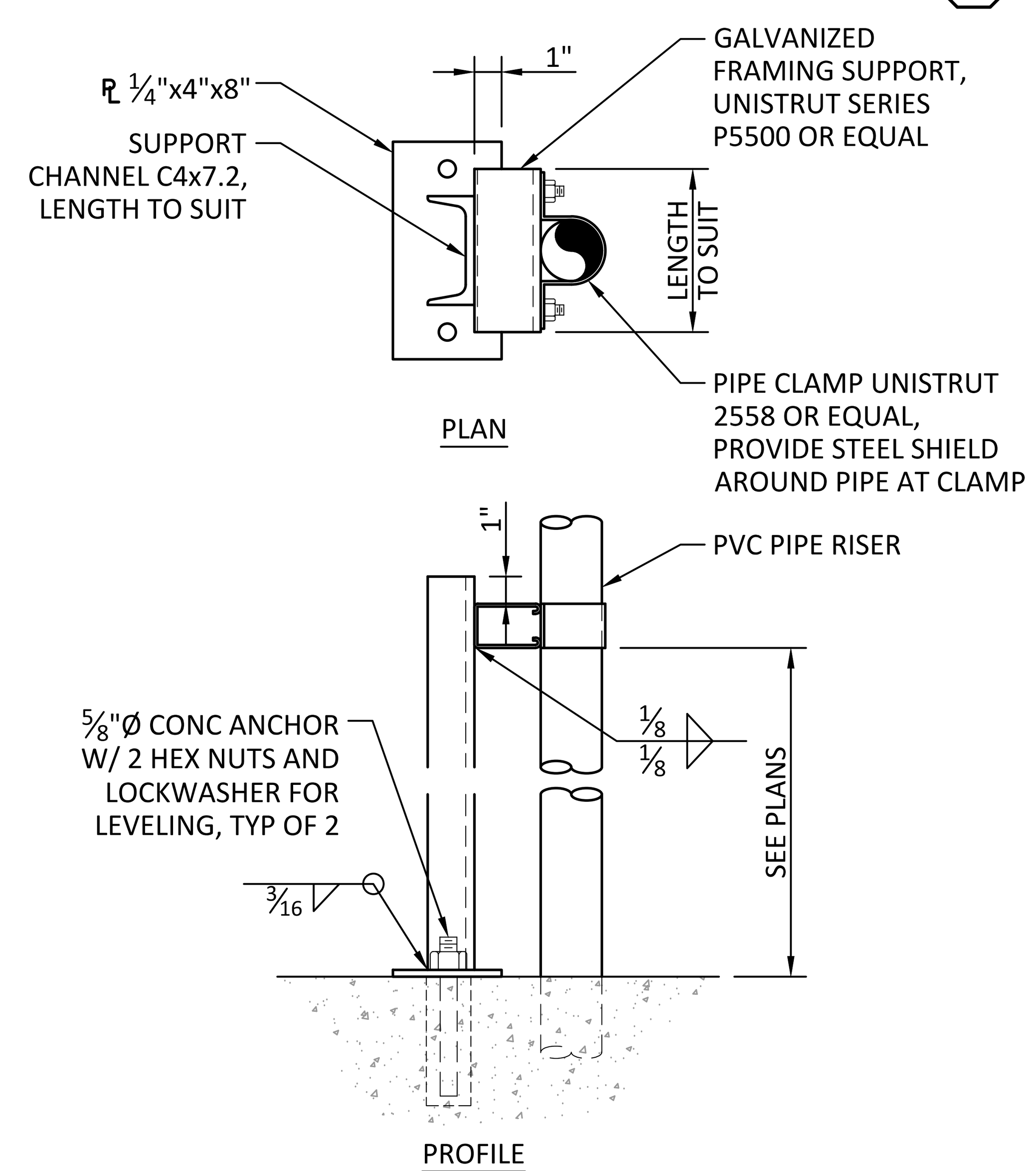
INTERIOR HOSE BIBB
SCALE: NTS
M814



EXTERIOR FROST -FREE SILLCOCK
SCALE: NTS
M815



PIPE BENEATH FOOTING
SCALE: NTS
M900



VERTICAL PIPE SUPPORT
SCALE: NTS
M901

REV	DATE	BY	DESCRIPTION
0	10/28/20	MDM	ISSUED FOR CONSTRUCTION

WARNING
0 1/2 1
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McMILLEN JACOBS ASSOCIATES

KLAMATH RIVER RENEWAL CORPORATION

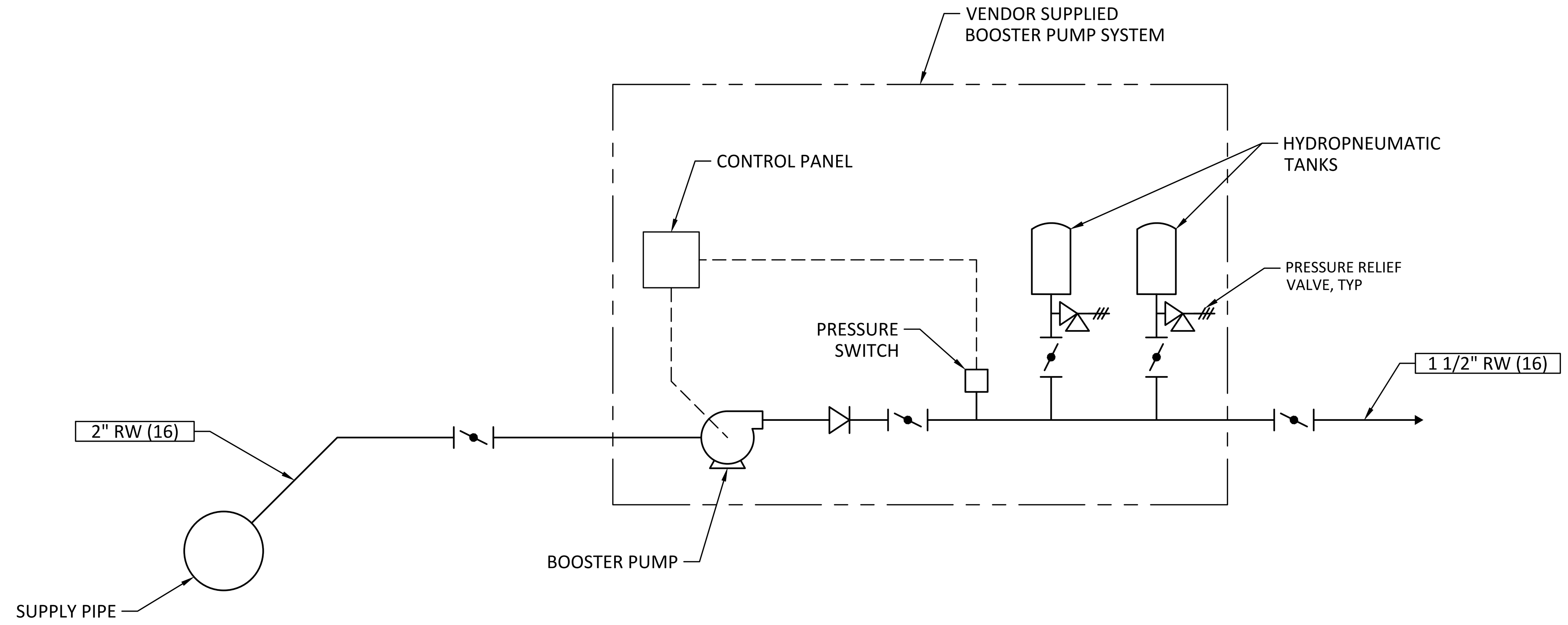
KLAMATH RIVER RENEWAL CORPORATION
FALL CREEK FISH HATCHERY

MECHANICAL
STANDARD DETAILS 4

DESIGNED S. ELLENSON
DRAWN R. GUERRERO
CHECKED J. BOAG
PROJECT DATE 10/28/20

DRAWING
GM009

JOB NO: 000000



UTILITY WATER SYSTEM FLOW SCHEMATIC

SCALE: NTS

SHEET NOTES:

1. REFER TO SPECIFICATION 44 35 04 FOR VENDOR SUPPLIED BOOSTER PUMP SYSTEM REQUIREMENTS.

REV	DATE	BY	DESCRIPTION
0	10/28/20	MDM	ISSUED FOR CONSTRUCTION

LICENSED PROFESSIONAL ENGINEER
SEAN P. ELLENSON
M 40115
MECHANICAL
STATE OF CALIFORNIA
October 28, 2020

WARNING
0 1/2 1
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McMILLEN JACOBS ASSOCIATES

KLAMATH RIVER RENEWAL CORPORATION

KLAMATH RIVER RENEWAL CORPORATION
FALL CREEK FISH HATCHERY
UTILITY WATER FLOW SCHEMATIC

DESIGNED S. ELLENSON
DRAWN R. GUERRERO
CHECKED J. BOAG
PROJECT DATE 10/28/20

DRAWING
GM010

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\GM010.dwg Plot date: Oct 27, 2020 01:16pm, CAD User: Guerrero

OVERALL MECHANICAL SITE KEY PLAN

SCALE: 1"= 30'

0' 30' 60'

REV	DATE	BY	DESCRIPTION
0	10/28/20	MDM	ISSUED FOR CONSTRUCTION

LICENSED PROFESSIONAL ENGINEER
SEAN P. ELLENSON
M 40115
MECHANICAL
STATE OF CALIFORNIA
October 28, 2020

WARNING

0 1/2 1

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

McMILLEN JACOBS ASSOCIATES

KLAMATH RIVER RENEWAL CORPORATION

KLAMATH RIVER RENEWAL CORPORATION

FALL CREEK FISH HATCHERY

OVERALL MECHANICAL SITE KEY PLAN

DESIGNED S. ELLENSON

DRAWN R. GUERRERO

CHECKED J. BOAG

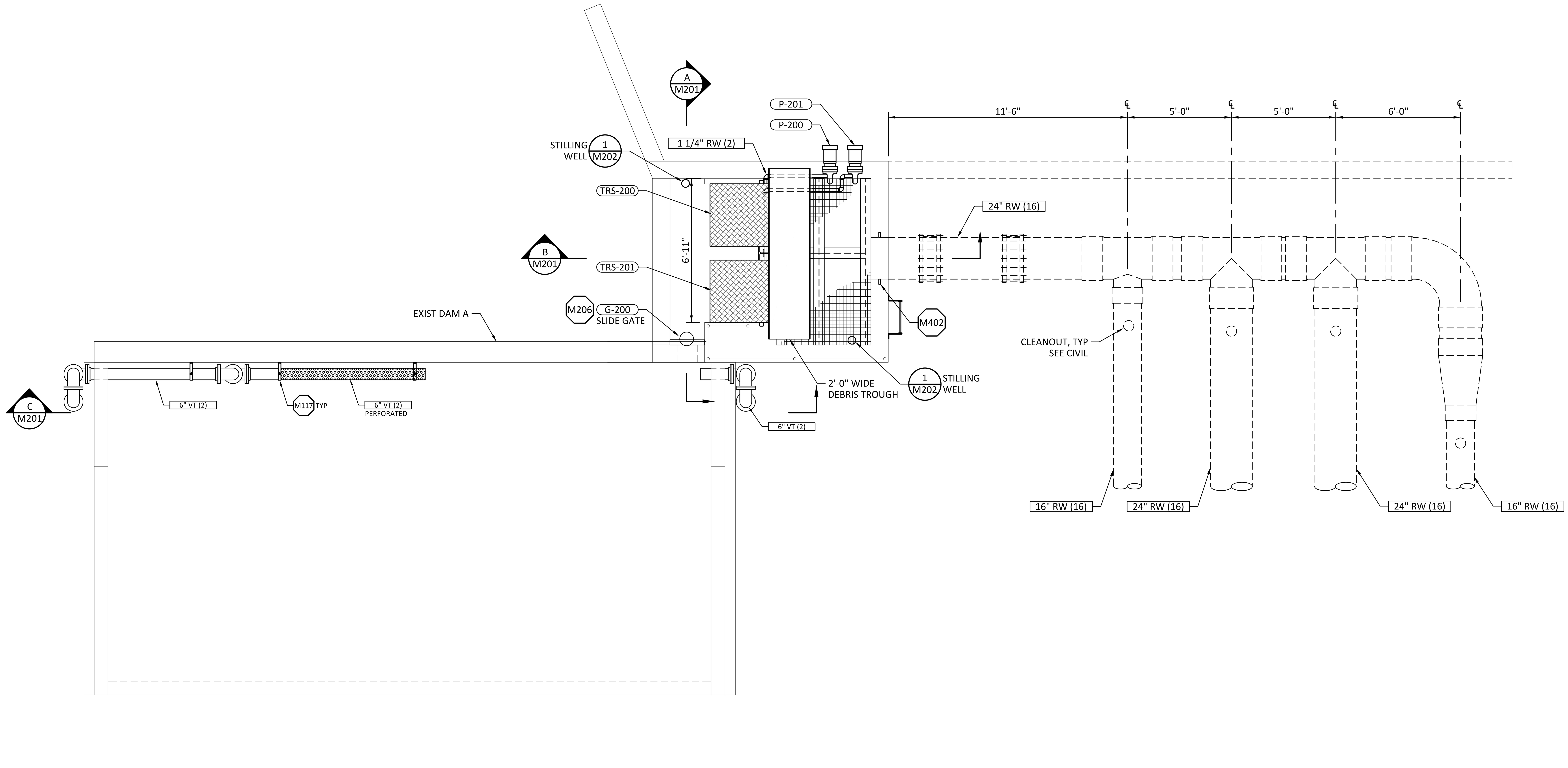
PROJECT DATE 10/28/20

DRAWING

M100

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\M100.dwg Plot date: Oct 27, 2020 01:16pm, CAD User: Guerrero



INTAKE MECHANICAL PLAN

SCALE: 3/8"= 1'-0"

1 M100

REV	DATE	BY	DESCRIPTION
0	10/28/20	MDM	ISSUED FOR CONSTRUCTION

LICENSED PROFESSIONAL ENGINEER SEAN P. ELLENSON M 40115 MECHANICAL STATE OF CALIFORNIA

October 28, 2020

WARNING

0 1/2 1

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McMILLEN JACOBS ASSOCIATES

KLAMATH RIVER RENEWAL CORPORATION

KLAMATH RIVER RENEWAL CORPORATION

FALL CREEK FISH HATCHERY

INTAKE MECHANICAL PLAN

DESIGNED S. ELLENSON

DRAWN R. GUERRERO

CHECKED J. BOAG

PROJECT DATE 10/28/20

DRAWING

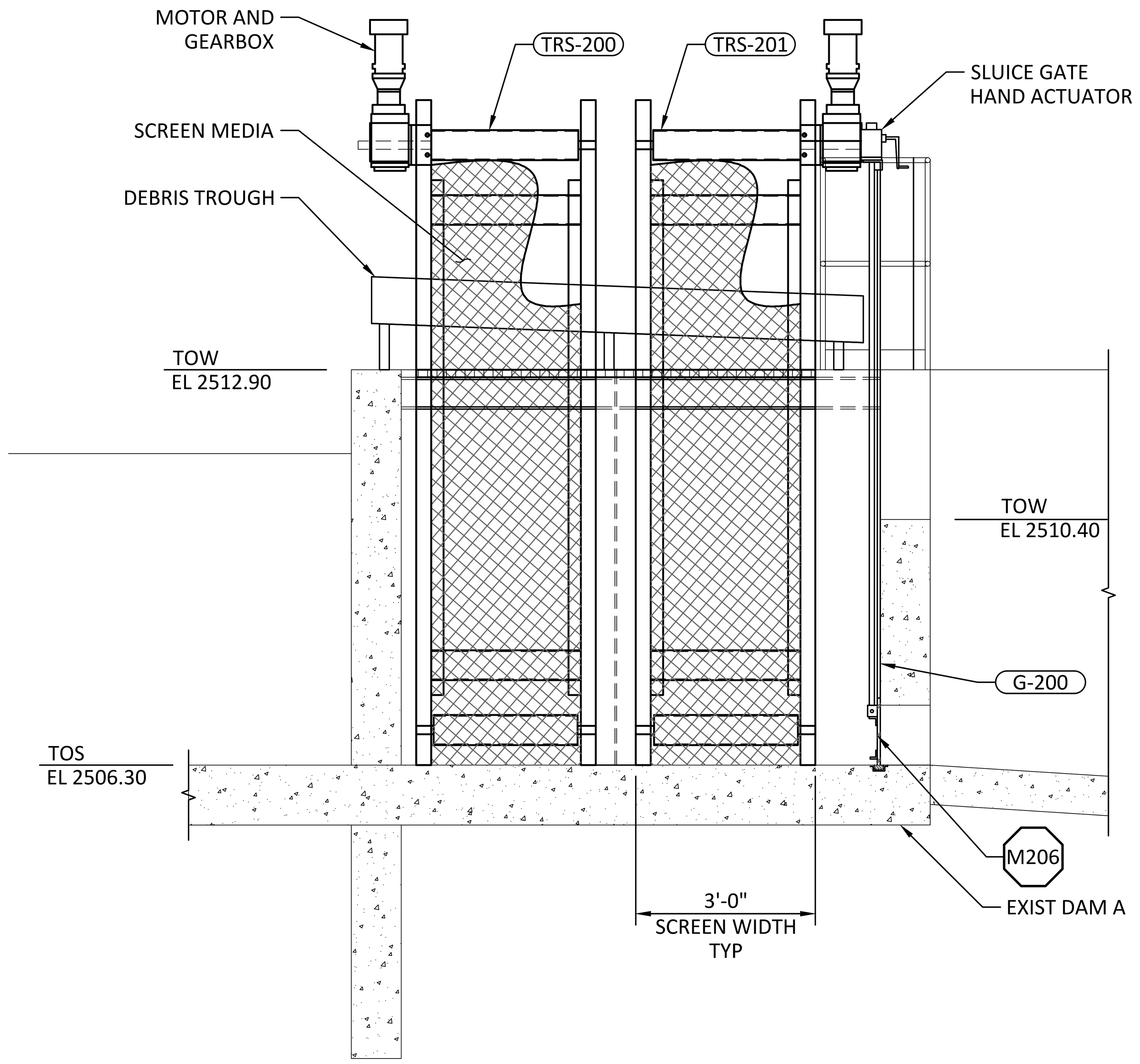
M200

JOB NO: 000000

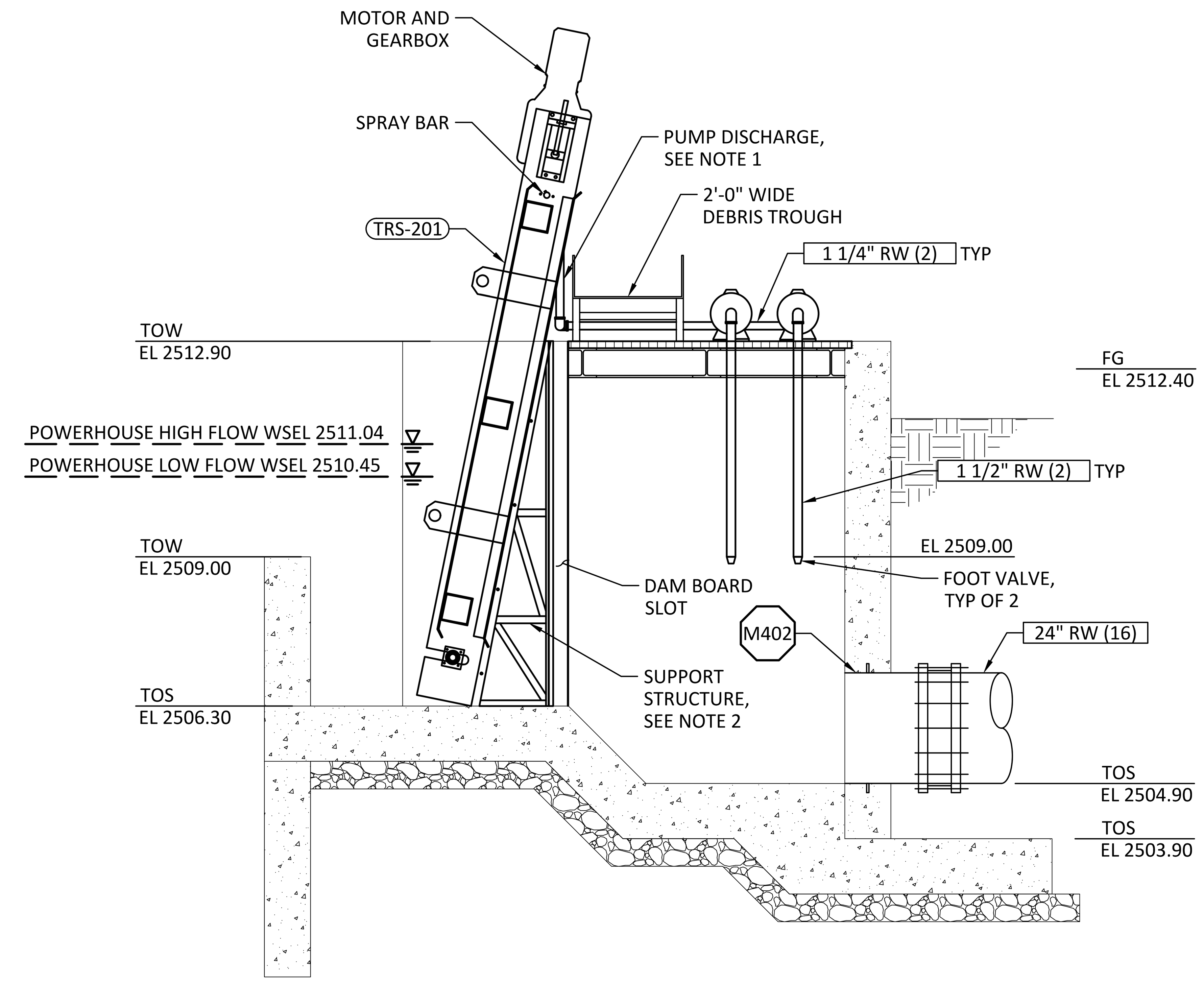
Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\M200.dwg Plot date: Oct 27, 2020 01:17pm, CAD User: Guerrero

SHEET NOTES:

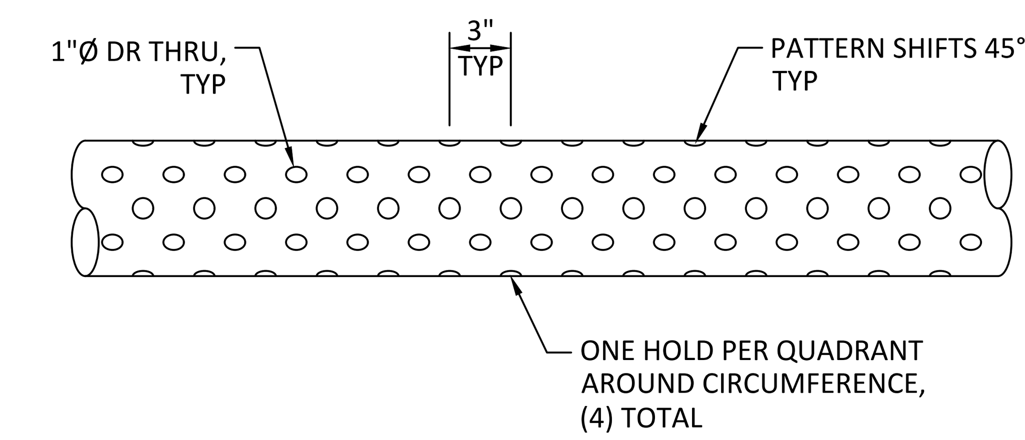
1. ROUTE DISCHARGE LINE OF BOTH PUMPS TO SCREEN BARS, PER MANUFACTURER'S INSTRUCTIONS.
2. MOUNT TRAVELING SCREEN FRAME TO CONCRETE OPENING PER SCREEN MANUFACTURERS MOUNTING INSTRUCTIONS.



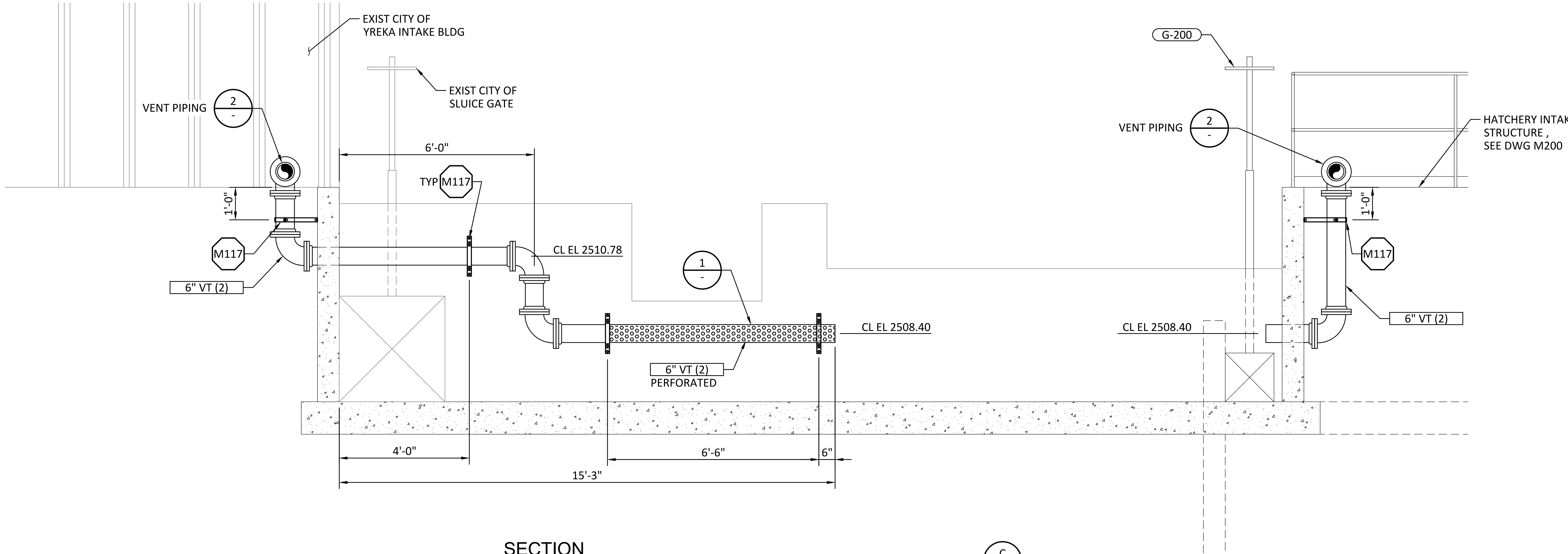
SECTION A / M200
SCALE: 1/2"= 1'-0"



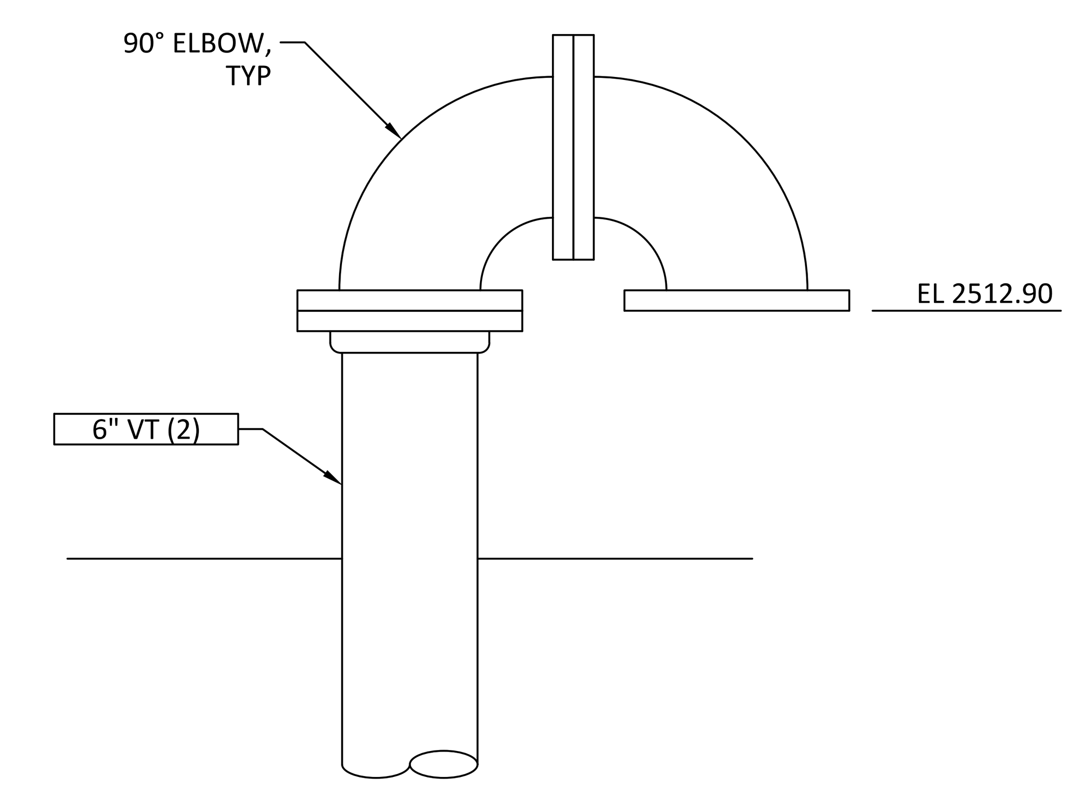
SECTION B / M200
SCALE: 1/2"= 1'-0"



PIPE PERFORATION - DETAIL 1
SCALE: 1 1/2"= 1'-0"



SECTION C / M200
SCALE: 1/2"= 1'-0"



VENT PIPE - DETAIL 2
SCALE: 1 1/2"= 1'-0"

REV	DATE	BY	DESCRIPTION
0	10/28/20	MDM	ISSUED FOR CONSTRUCTION

LICENSED PROFESSIONAL ENGINEER STAN P. ELLENSON M 40115 MECHANICAL STATE OF CALIFORNIA October 28, 2020

WARNING
0 1/2 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

McMILLEN JACOBS ASSOCIATES

KLAMATH RIVER RENEWAL CORPORATION

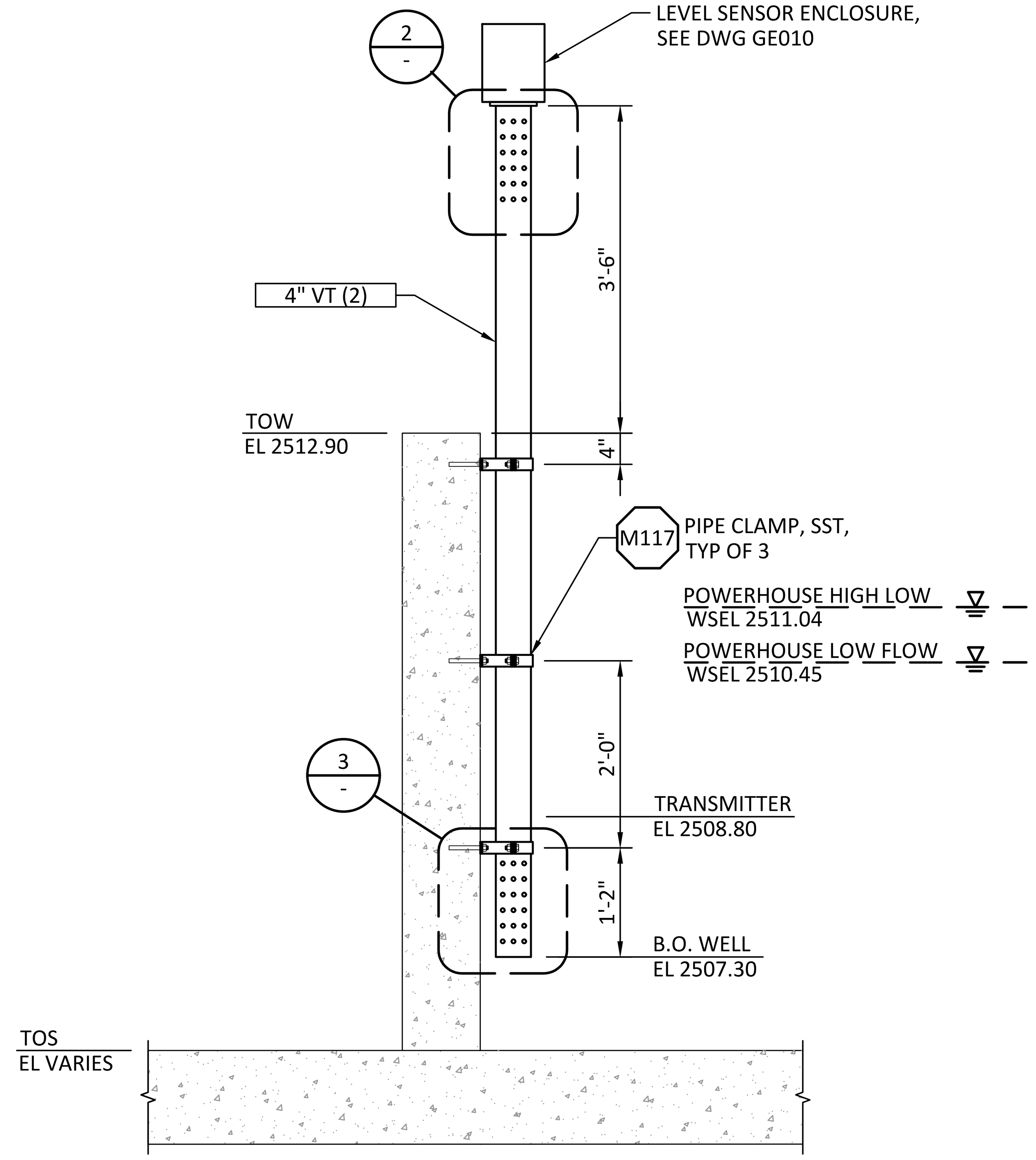
KLAMATH RIVER RENEWAL CORPORATION
FALL CREEK FISH HATCHERY
INTAKE MECHANICAL SECTIONS AND DETAILS 1

DESIGNED S. ELLENSON
DRAWN R. GUERRERO
CHECKED J. BOAG
PROJECT DATE 10/28/20

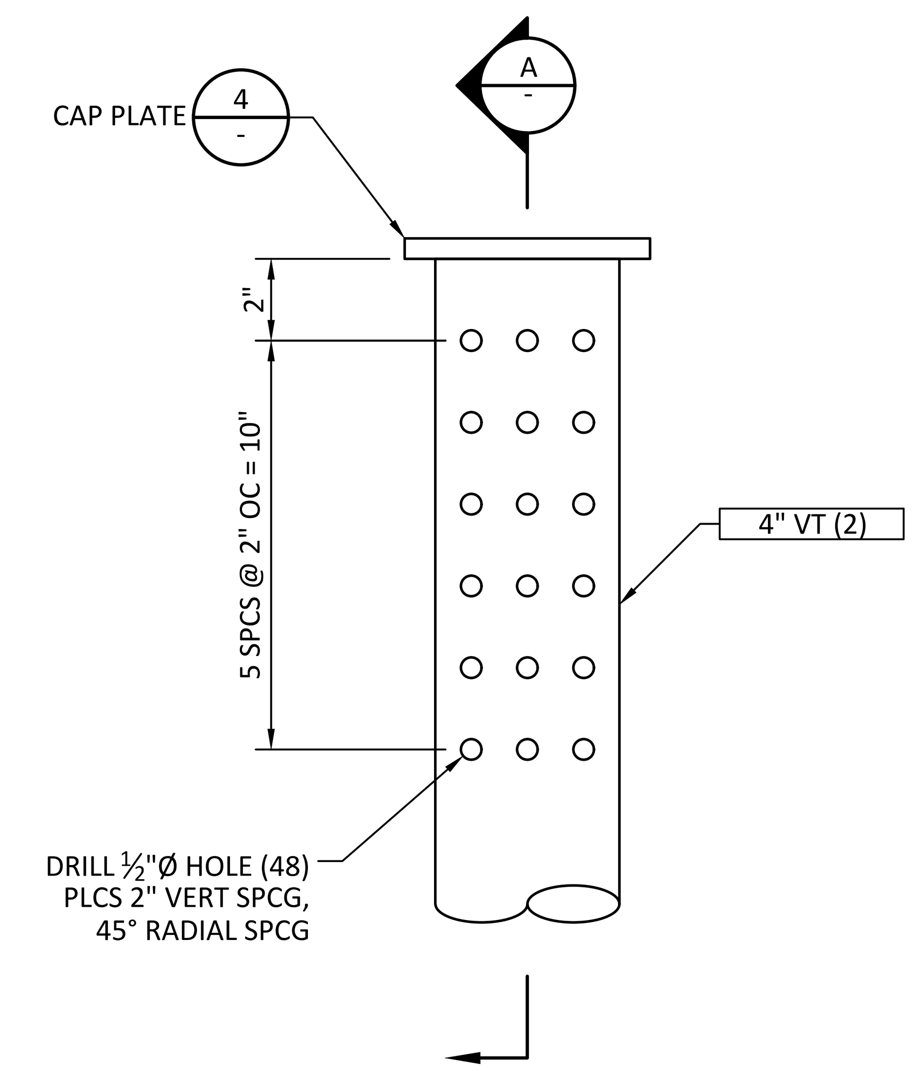
DRAWING M201

JOB NO: 000000

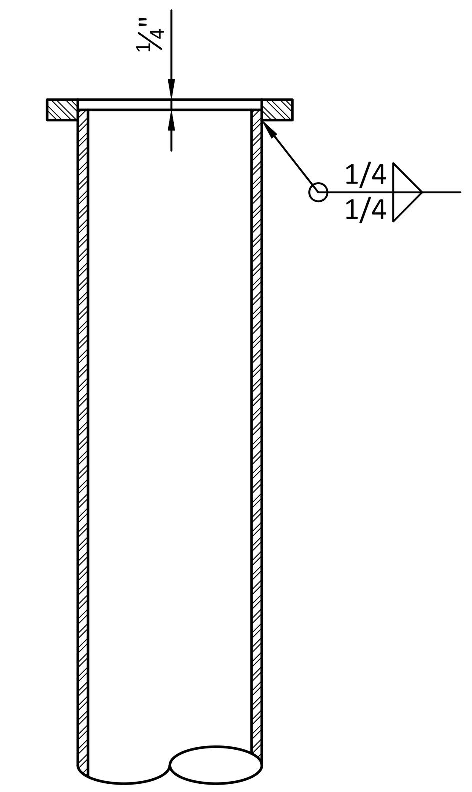
Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\M201.dwg Plot date: Oct 27, 2020 01:17pm, CAD User: Guerrero



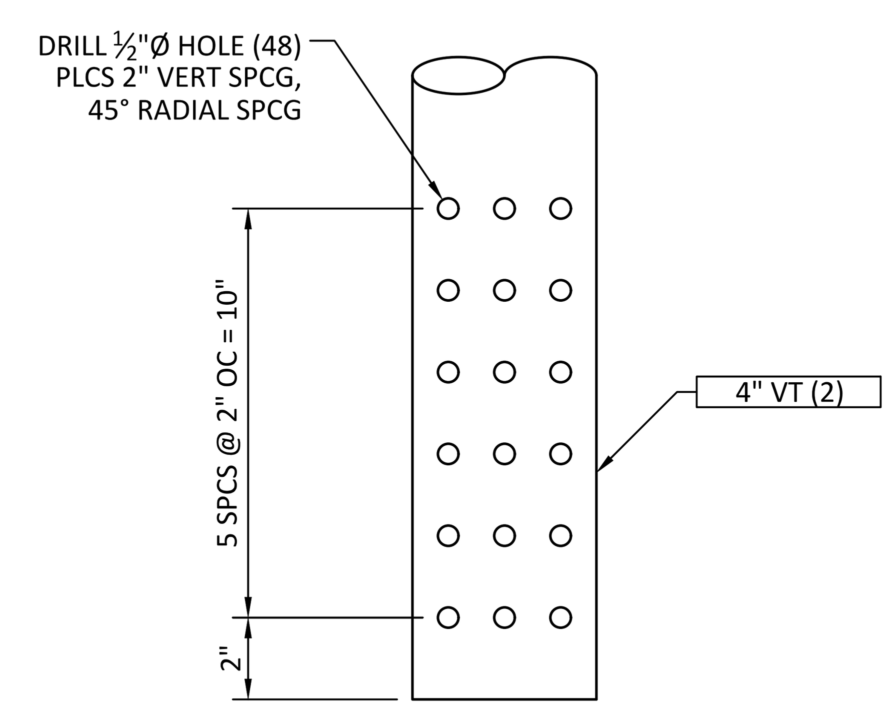
STILLING WELL ELEVATION
SCALE: 3/4"= 1'-0"
1 / M200



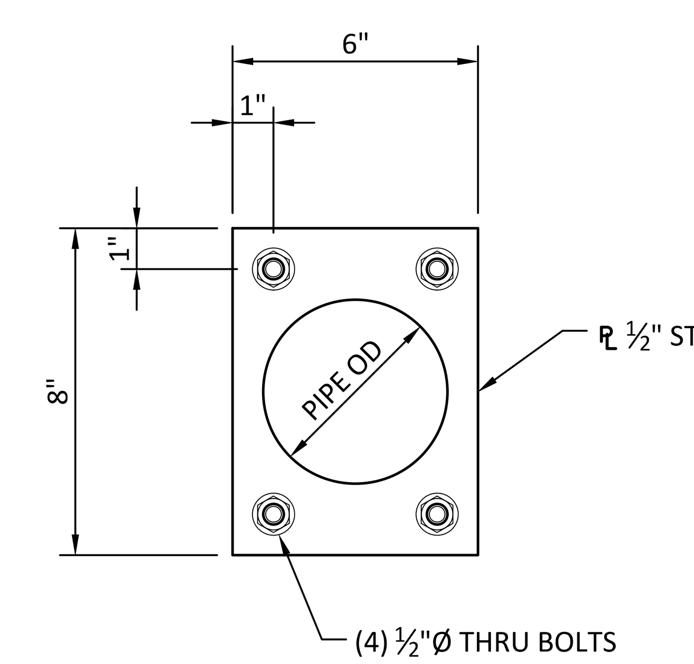
TOP OF STILLING WELL DETAIL
SCALE: 3"= 1'-0"
2



TOP OF STILLING WELL SECTION
SCALE: 3"= 1'-0"
A



BOTTOM OF STILLING WELL DETAIL
SCALE: 3"= 1'-0"
3



BOTTOM OF STILLING WELL DETAIL
SCALE: 3"= 1'-0"
4

REV	DATE	BY	DESCRIPTION
0	10/28/20	MDM	ISSUED FOR CONSTRUCTION

LICENSED PROFESSIONAL ENGINEER SEAN P. ELLENSON M 40115 MECHANICAL STATE OF CALIFORNIA
October 28, 2020

WARNING
0 1/2 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

McMILLEN JACOBS ASSOCIATES

KLAMATH RIVER RENEWAL CORPORATION

KLAMATH RIVER RENEWAL CORPORATION
FALL CREEK FISH HATCHERY
INTAKE MECHANICAL
SECTIONS AND DETAILS 2

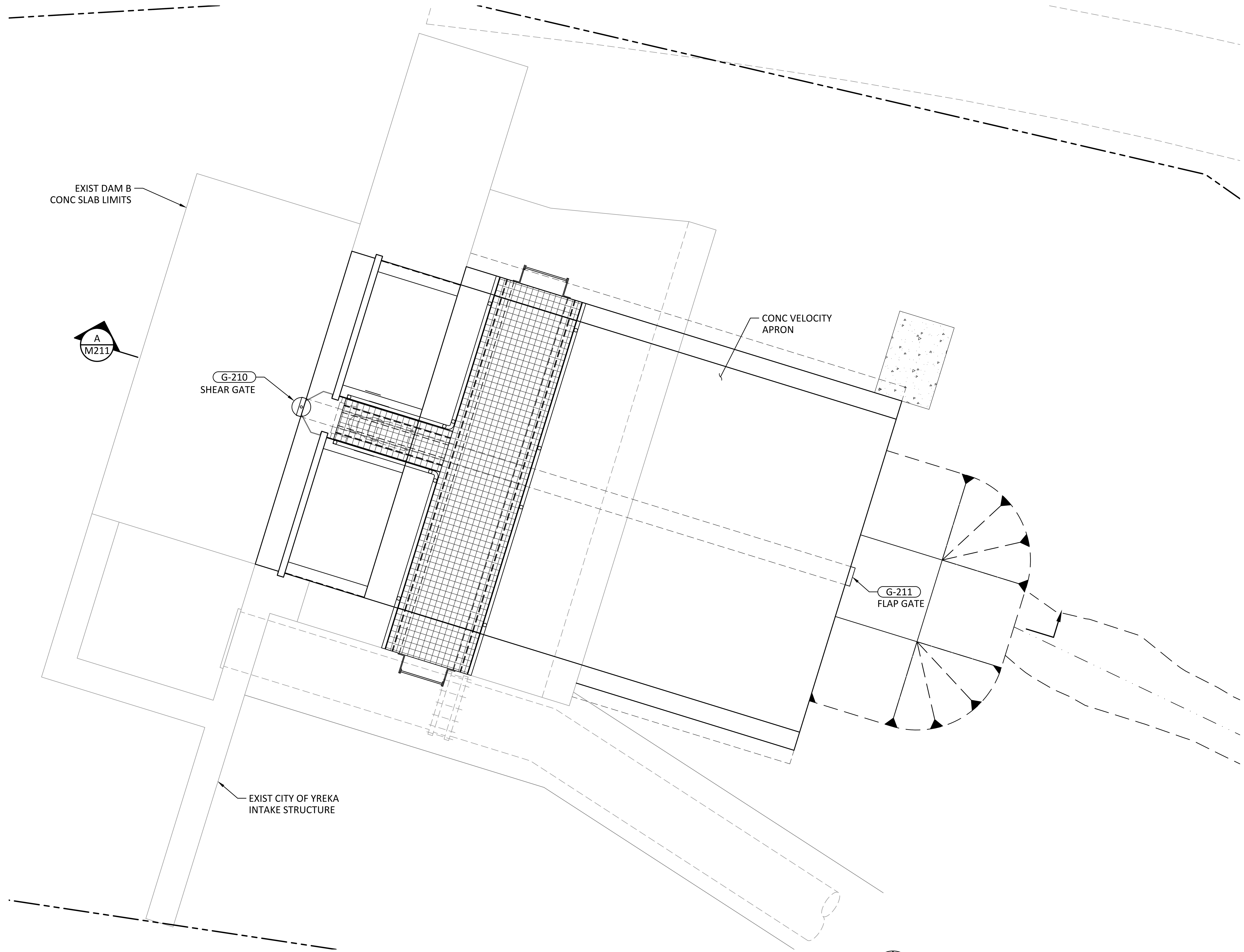
DESIGNED S. ELLENSON
DRAWN R. GUERRERO
CHECKED J. BOAG
PROJECT DATE 10/28/20

DRAWING
M202

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\M202.dwg Plot date: Oct 27, 2020 01:17pm, CAD User: Guerrero
JOB NO: 000000

SHEET NOTES:

1. EXISTING DAM B DIMENSIONS AND ELEVATIONS UNAVAILABLE FOR 50% DESIGN. DESIGN DETAILS WILL BE SUBJECT TO DIMENSIONS COLLECTED AT A LATER STAGE OF THE DESIGN PROCESS.



DAM B MODIFICATIONS MECHANICAL PLAN

SCALE: 1/2"= 1'-0"

0' 2' 4'

1
M100

N

REV	DATE	BY	DESCRIPTION
0	10/28/20	MDM	ISSUED FOR CONSTRUCTION

LICENSED PROFESSIONAL ENGINEER
SEAN P. ELLENSON
M 40115
MECHANICAL
STATE OF CALIFORNIA
October 28, 2020

WARNING

0 1/2 1

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McMILLEN JACOBS ASSOCIATES

KLAMATH RIVER RENEWAL CORPORATION

KLAMATH RIVER RENEWAL CORPORATION

FALL CREEK FISH HATCHERY

DAM B MODIFICATIONS
MECHANICAL
PLAN

DESIGNED S. ELLENSON

DRAWN R. GUERRERO

CHECKED J. BOAG

PROJECT DATE 10/28/20

DRAWING

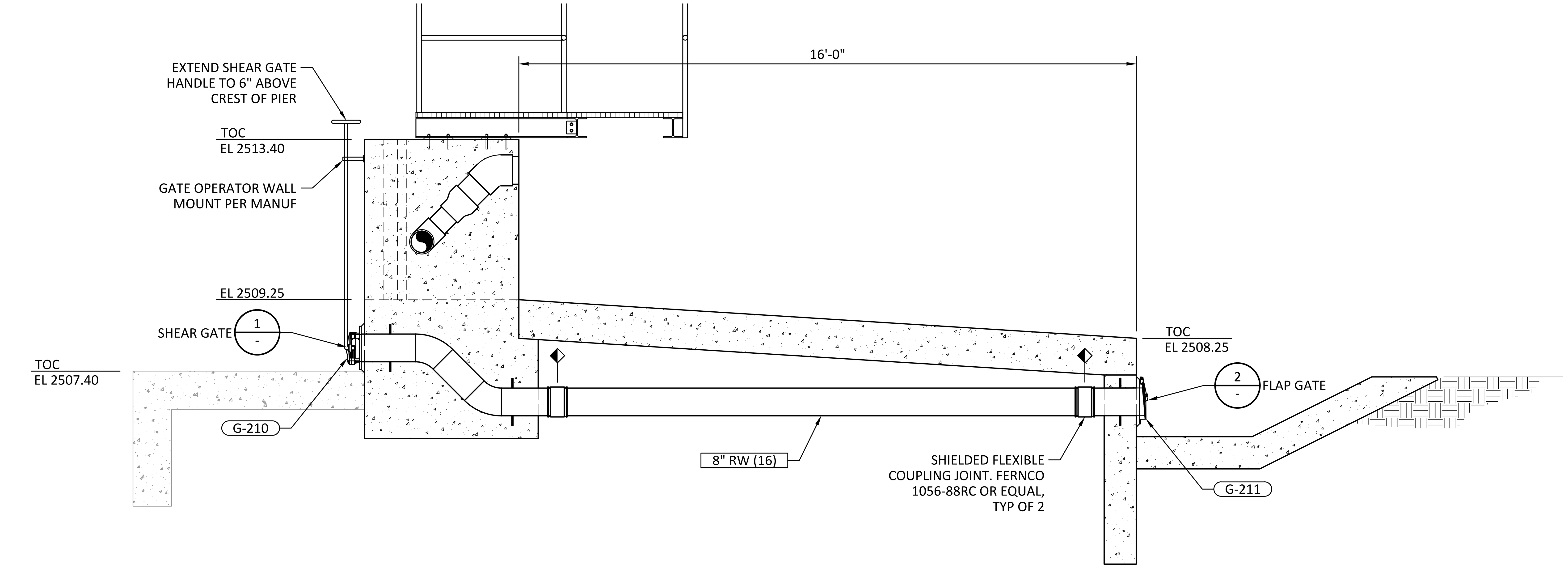
M210

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\M210.dwg Plot date: Oct 27, 2020 01:17pm, CAD User: Guerrero

SHEET NOTES:

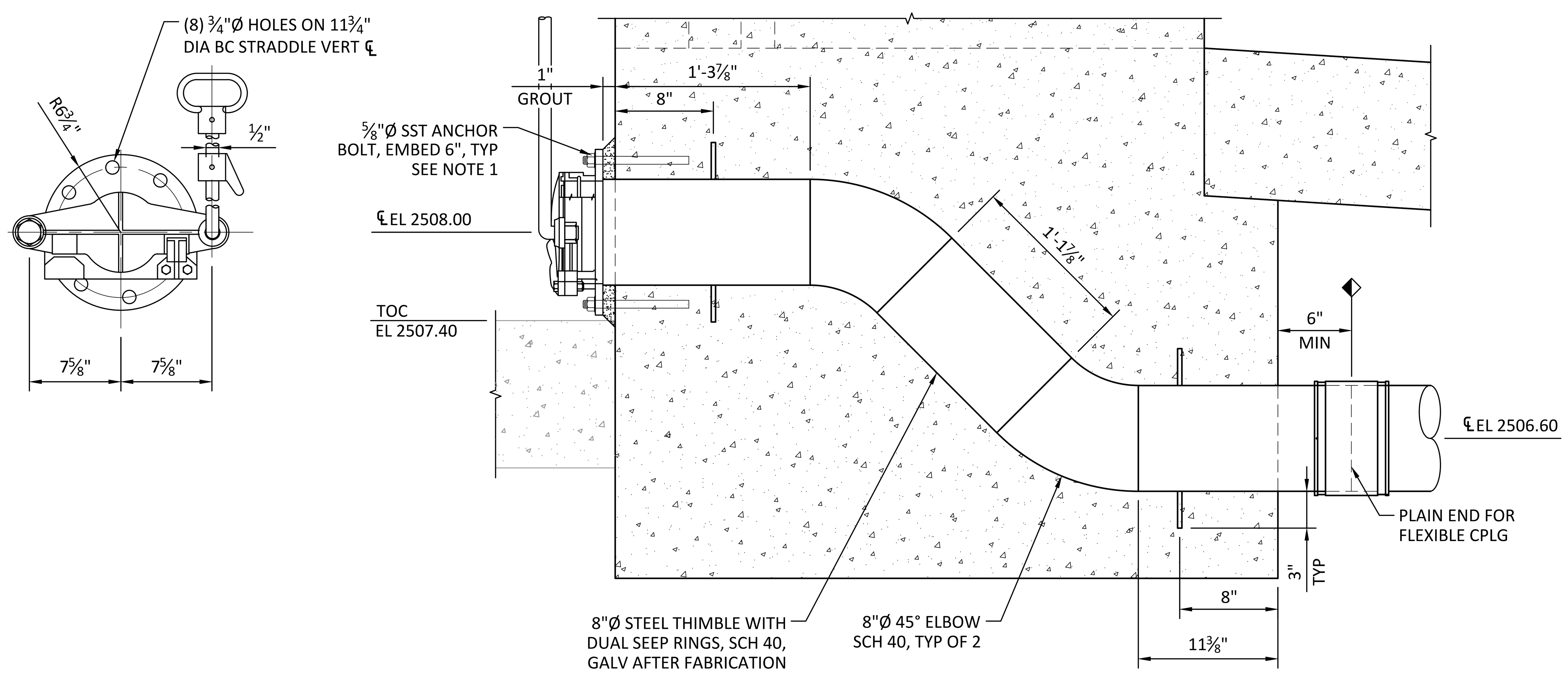
1. BOLTING PATTERN, ANCHORAGE SIZE VARIES BY MANUFACTURER. MOUNT SHEAR AND FLAP GATE PER MANUFACTURERS RECOMMENDED INSTRUCTIONS.



SECTION

SCALE: 1/2"= 1'-0"

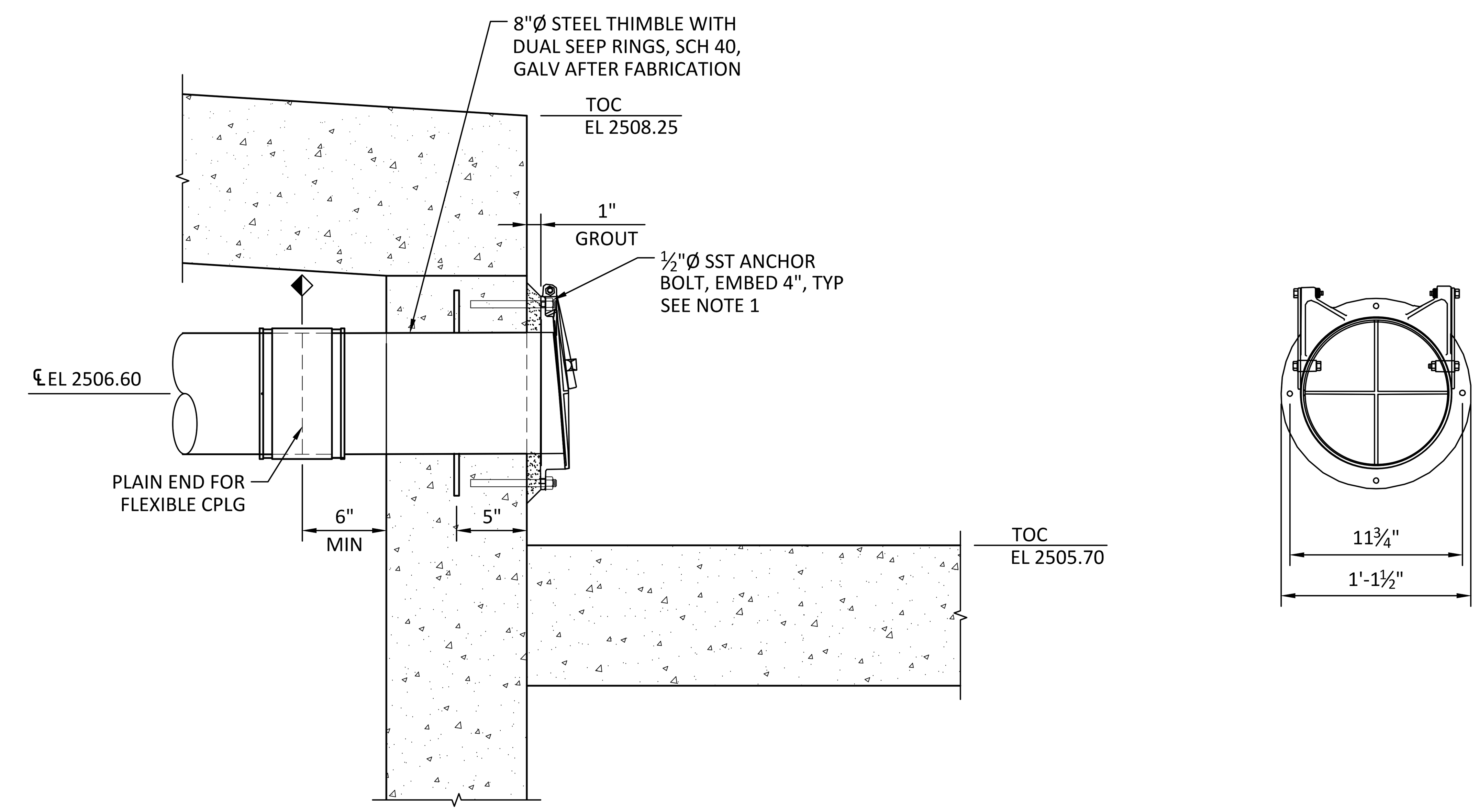
A
M210



SHEAR GATE - DETAIL

SCALE: 1 1/2"= 1'-0"

1
-



FLAP GATE - DETAIL

SCALE: 1 1/2"= 1'-0"

2
-

REV	DATE	BY	DESCRIPTION
0	10/28/20	MDM	ISSUED FOR CONSTRUCTION

LICENSED PROFESSIONAL ENGINEER SEAN P. ELLENSON M 40115 MECHANICAL STATE OF CALIFORNIA

October 28, 2020

WARNING

0 1/2 1

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McMILLEN JACOBS ASSOCIATES

KLAMATH RIVER RENEWAL CORPORATION

KLAMATH RIVER RENEWAL CORPORATION

FALL CREEK FISH HATCHERY

DAM B MODIFICATIONS
MECHANICAL
SECTIONS AND DETAILS

DESIGNED S. ELLENSON

DRAWN R. GUERRERO

CHECKED J. BOAG

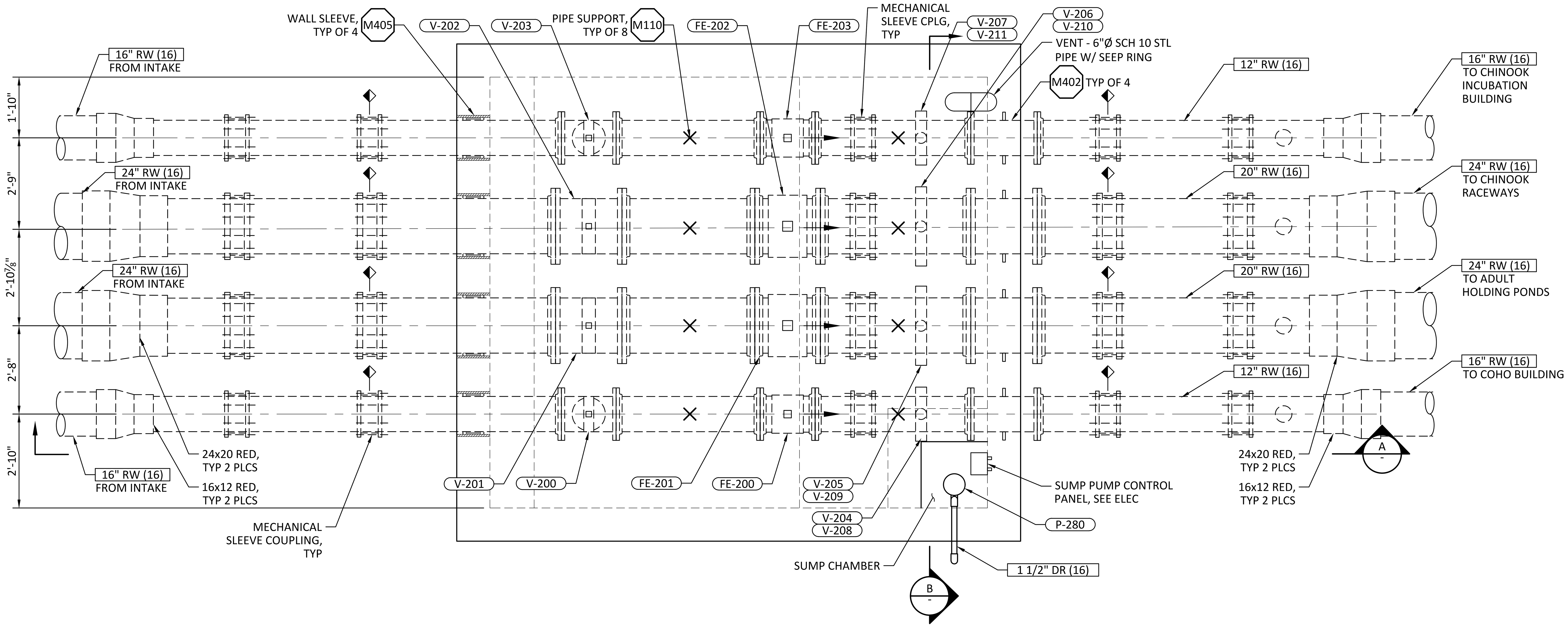
PROJECT DATE 10/28/20

DRAWING

M211

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\M211.dwg Plot date: Oct 27, 2020 01:17pm, CAD User: Guerrero



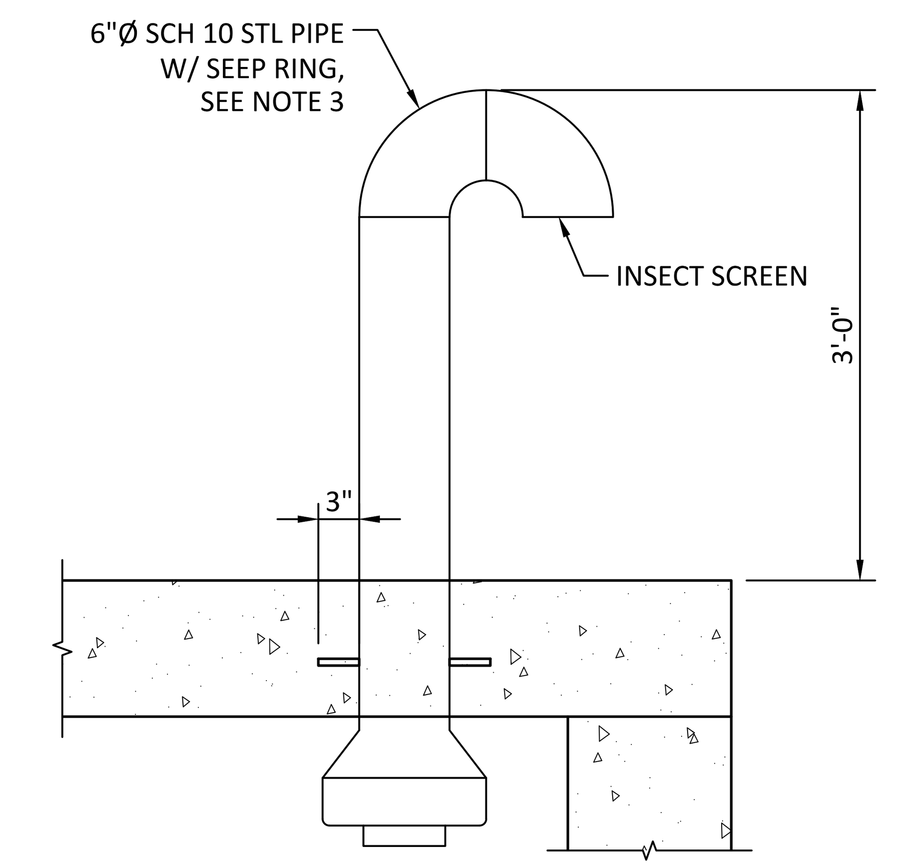
METER VAULT PLAN

SCALE: 1/2"= 1'-0"

1 / M100

SHEET NOTES:

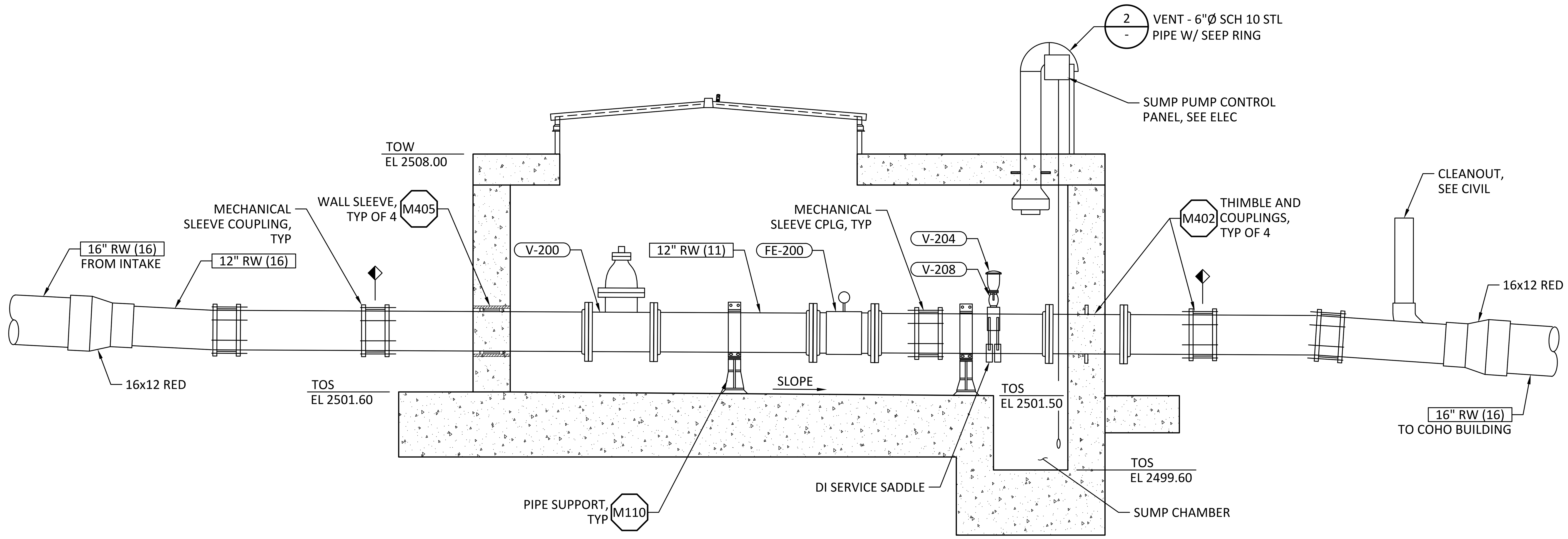
1. PROVIDE VENTILATION WARNING SIGN IN CONSPICUOUS LOCATION NEAR ENTRY TO METER VAULT, PER M602.
2. MOUNT SUMP PUMP LEVEL SWITCH AT INDICATED LEVELS PER MANUFACTURERS INSTRUCTIONS.
3. STEEL VENT PIPE SHALL BE COATED PER SYSTEM 20 IN SPECIFICATION SECTION 09 96 00.



VENT - DETAIL

SCALE: 1"= 1'-0"

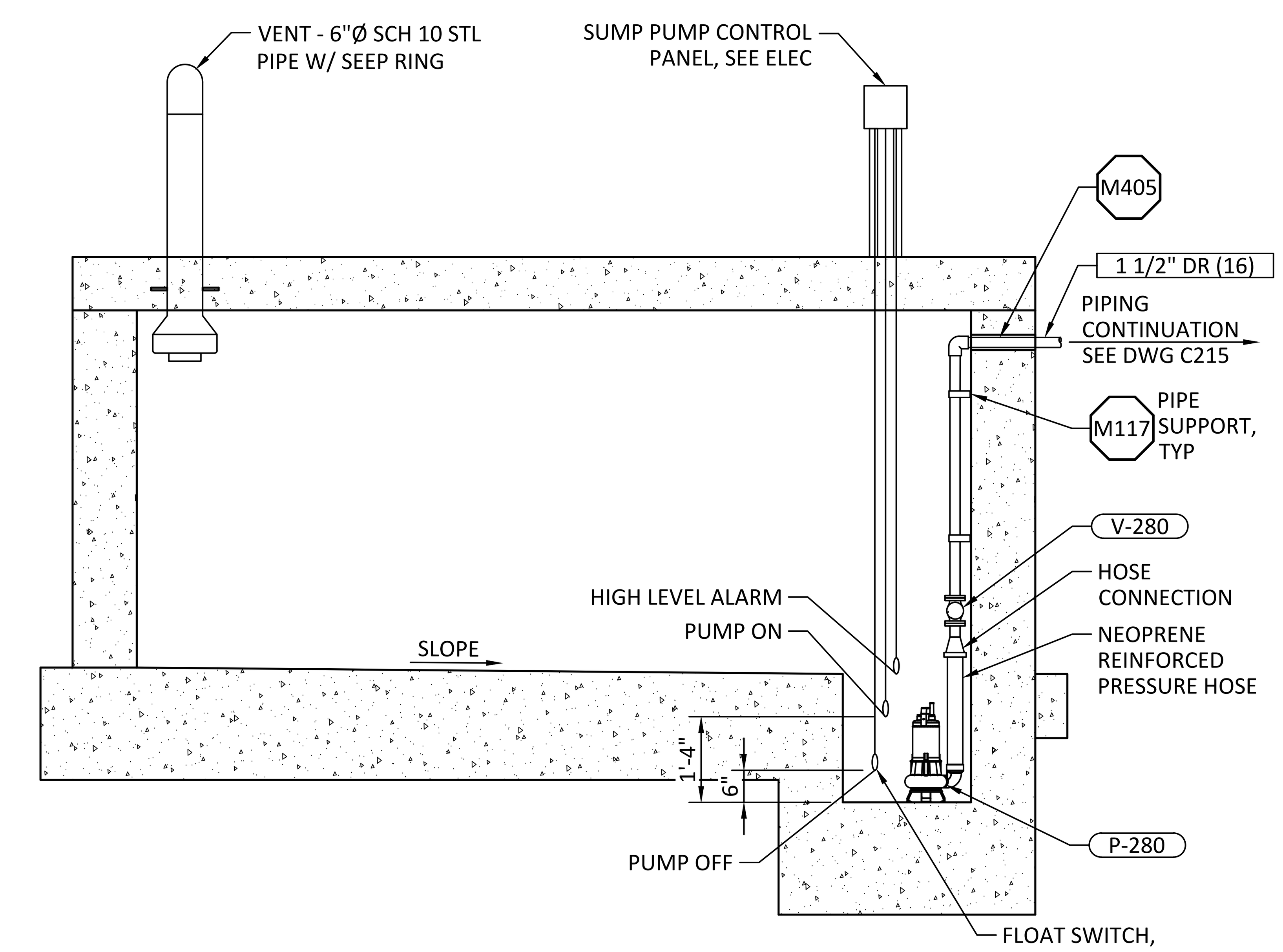
2 / -



SECTION

SCALE: 1/2"= 1'-0"

A / -



SECTION

SCALE: 1/2"= 1'-0"

B / -

REV	DATE	BY	DESCRIPTION
0	10/28/20	MDM	ISSUED FOR CONSTRUCTION

LICENSED PROFESSIONAL ENGINEER SEAN P. ELLENSON M 40115 MECHANICAL STATE OF CALIFORNIA

October 28, 2020

WARNING

0 1/2 1

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McMILLEN JACOBS ASSOCIATES

KLAMATH RIVER RENEWAL CORPORATION

KLAMATH RIVER RENEWAL CORPORATION

FALL CREEK FISH HATCHERY

METER VAULT
PLAN AND
SECTIONS

DESIGNED S. ELLENSON

DRAWN R. GUERRERO

CHECKED J. BOAG

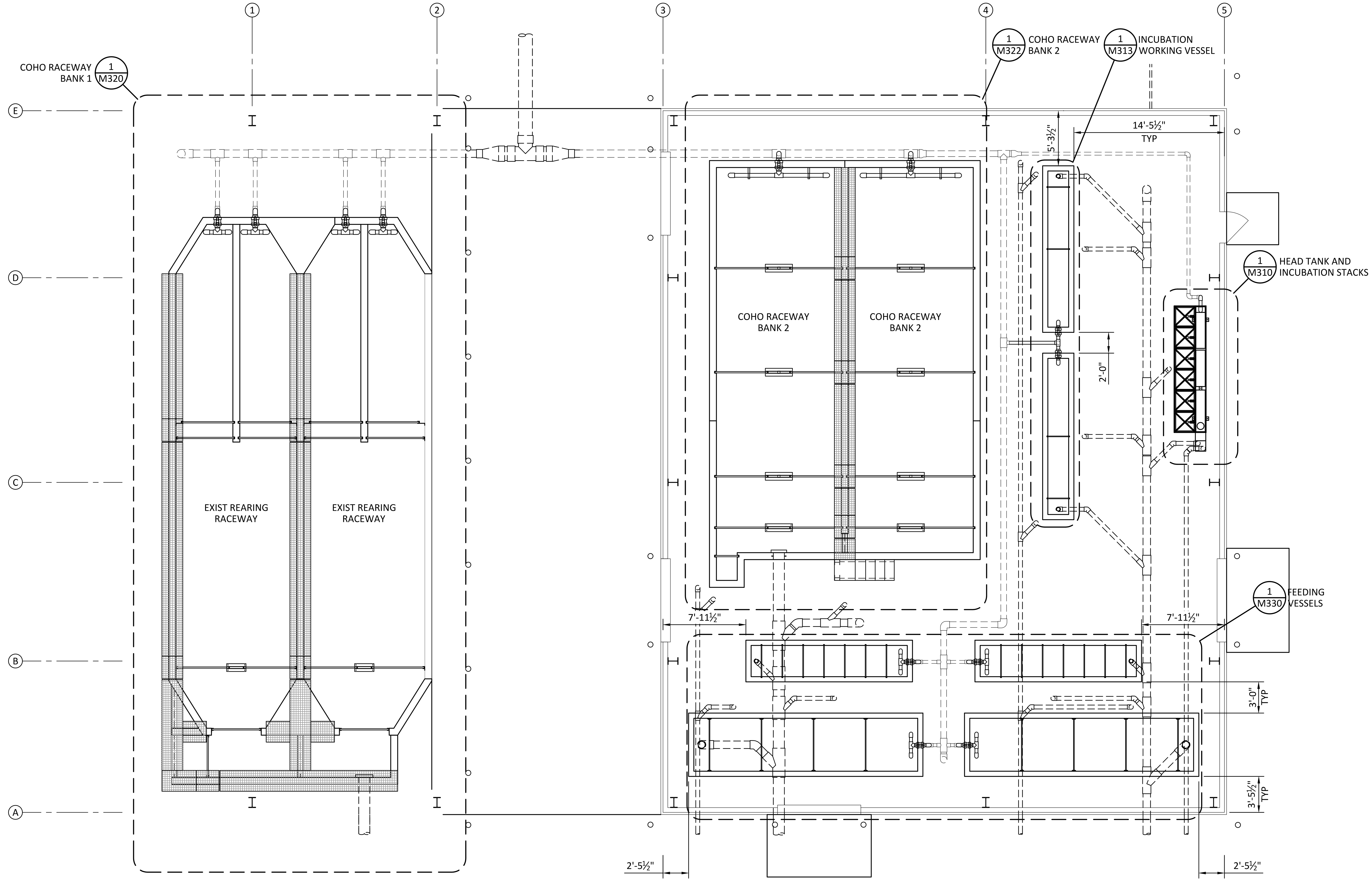
PROJECT DATE 10/28/20

DRAWING

M215

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\M215.dwg Plot date: Oct 27, 2020 01:17pm, CAD User: Guerrero



COHO BUILDING MECHANICAL PLAN

1 M100

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

0' 4' 8'

REV	DATE	BY	DESCRIPTION
0	10/28/20	MDM	ISSUED FOR CONSTRUCTION

LICENSED PROFESSIONAL ENGINEER SEAN P. ELLENSON M 40115 MECHANICAL STATE OF CALIFORNIA

October 28, 2020

WARNING

0 1/2 1

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McMILLEN JACOBS ASSOCIATES

KLAMATH RIVER RENEWAL CORPORATION

KLAMATH RIVER RENEWAL CORPORATION

FALL CREEK FISH HATCHERY

COHO BUILDING MECHANICAL PLAN

DESIGNED S. ELLENSON

DRAWN R. GUERRERO

CHECKED J. BOAG

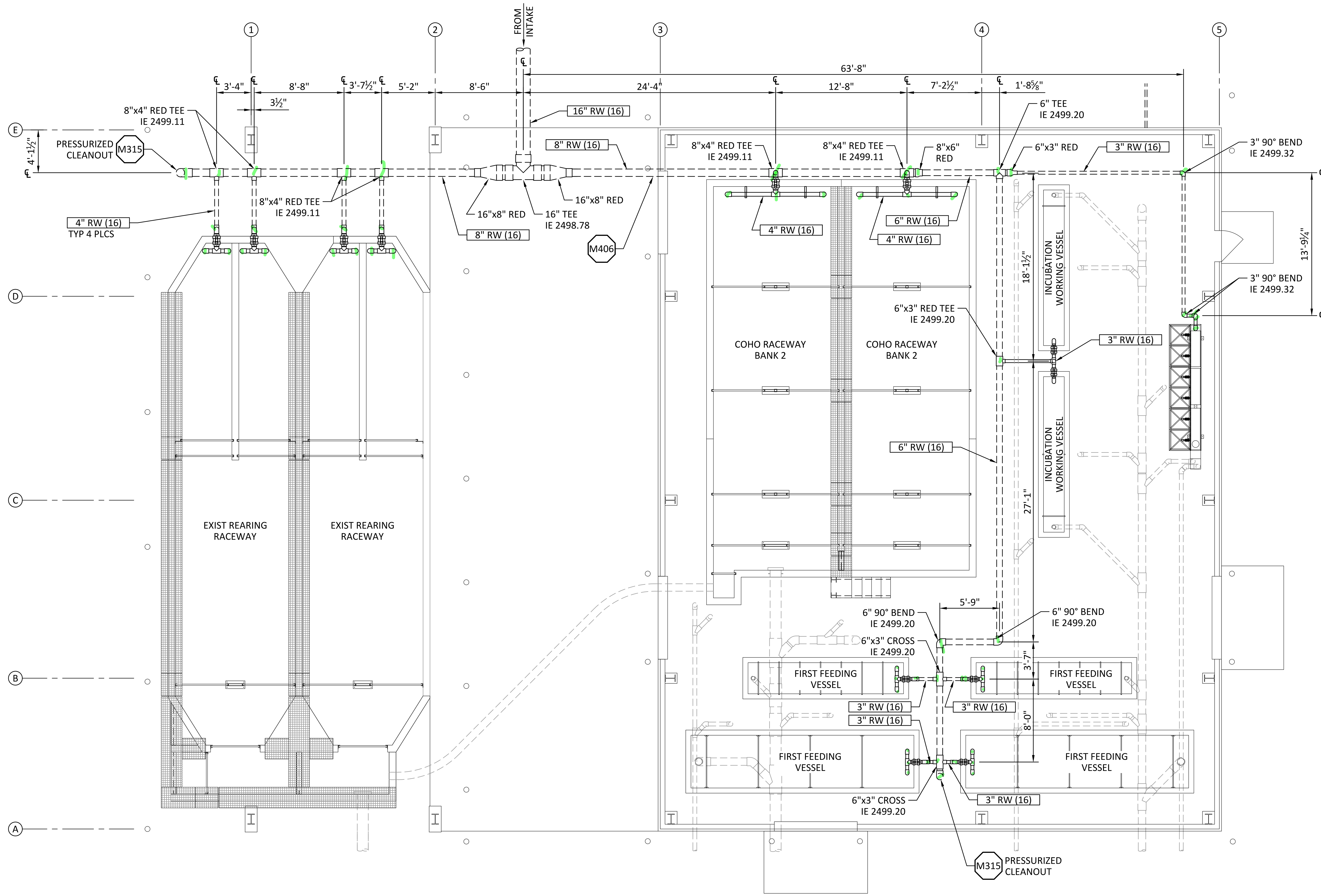
PROJECT DATE 10/28/20

DRAWING

M300

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\M300.dwg Plot date: Oct 27, 2020 01:18pm, CAD User: Guerrero



COHO BUILDING SUPPLY PIPING PLAN

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

0' 4' 8'

REV	DATE	BY	DESCRIPTION
0	10/28/20	MDM	ISSUED FOR CONSTRUCTION

LICENSED PROFESSIONAL ENGINEER
SEAN P. ELLENSON
M 40115
MECHANICAL
STATE OF CALIFORNIA
October 28, 2020

WARNING

0 1/2 1

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McMILLEN JACOBS ASSOCIATES

KLAMATH RIVER RENEWAL CORPORATION

KLAMATH RIVER RENEWAL CORPORATION

FALL CREEK FISH HATCHERY

COHO BUILDING
SUPPLY PIPING PLAN

DESIGNED S. ELLENSON

DRAWN R. GUERRERO

CHECKED J. BOAG

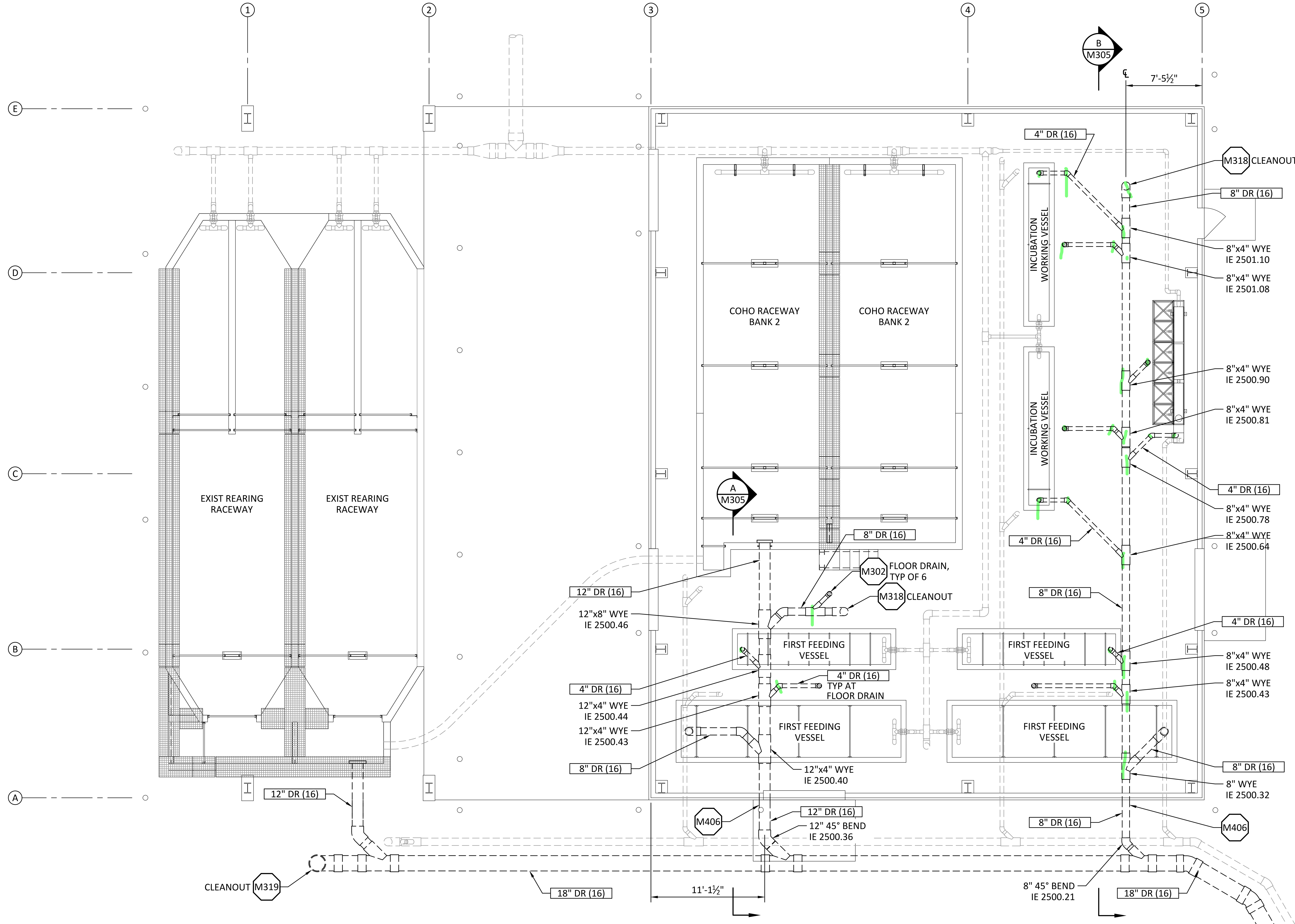
PROJECT DATE 10/28/20

DRAWING

M301

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\M301.dwg Plot date: Oct 27, 2020 01:18pm, CAD User: Guerrero



COHO BUILDING DRAIN PIPING PLAN

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

0' 4' 8'

REV	DATE	BY	DESCRIPTION
0	10/28/20	MDM	ISSUED FOR CONSTRUCTION

LICENSED PROFESSIONAL ENGINEER SEAN P. ELLENSON M 40115 MECHANICAL STATE OF CALIFORNIA

October 28, 2020

WARNING

0 1/2 1

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

McMILLEN JACOBS ASSOCIATES

KLAMATH RIVER RENEWAL CORPORATION

KLAMATH RIVER RENEWAL CORPORATION

FALL CREEK FISH HATCHERY

COHO BUILDING
DRAIN PIPING PLAN

DESIGNED S. ELLENSON

DRAWN R. GUERRERO

CHECKED J. BOAG

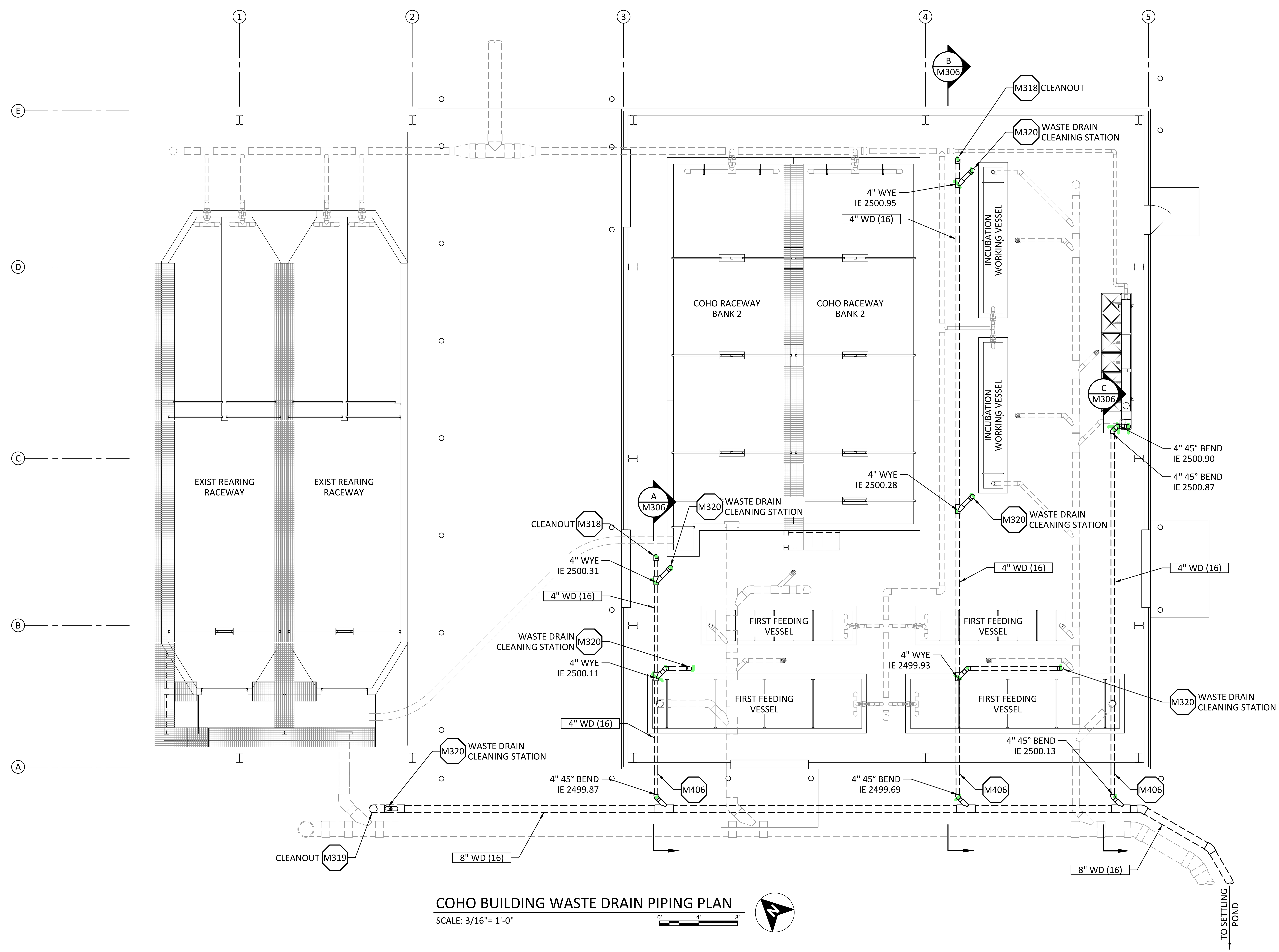
PROJECT DATE 10/28/20

DRAWING

M302

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\M302.dwg Plot date: Oct 27, 2020 01:18pm, CAD User: Guerrero



COHO BUILDING WASTE DRAIN PIPING PLAN

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

0' 4' 8'

REV	DATE	BY	DESCRIPTION
0	10/28/20	MDM	ISSUED FOR CONSTRUCTION

LICENSED PROFESSIONAL ENGINEER SEAN P. ELLENSON M 40115 MECHANICAL STATE OF CALIFORNIA

October 28, 2020

WARNING

0 1/2 1

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

McMILLEN JACOBS ASSOCIATES

KLAMATH RIVER RENEWAL CORPORATION

KLAMATH RIVER RENEWAL CORPORATION

FALL CREEK FISH HATCHERY

COHO BUILDING
WASTE DRAIN PIPING PLAN

DESIGNED S. ELLENSON

DRAWN R. GUERRERO

CHECKED J. BOAG

PROJECT DATE 10/28/20

DRAWING

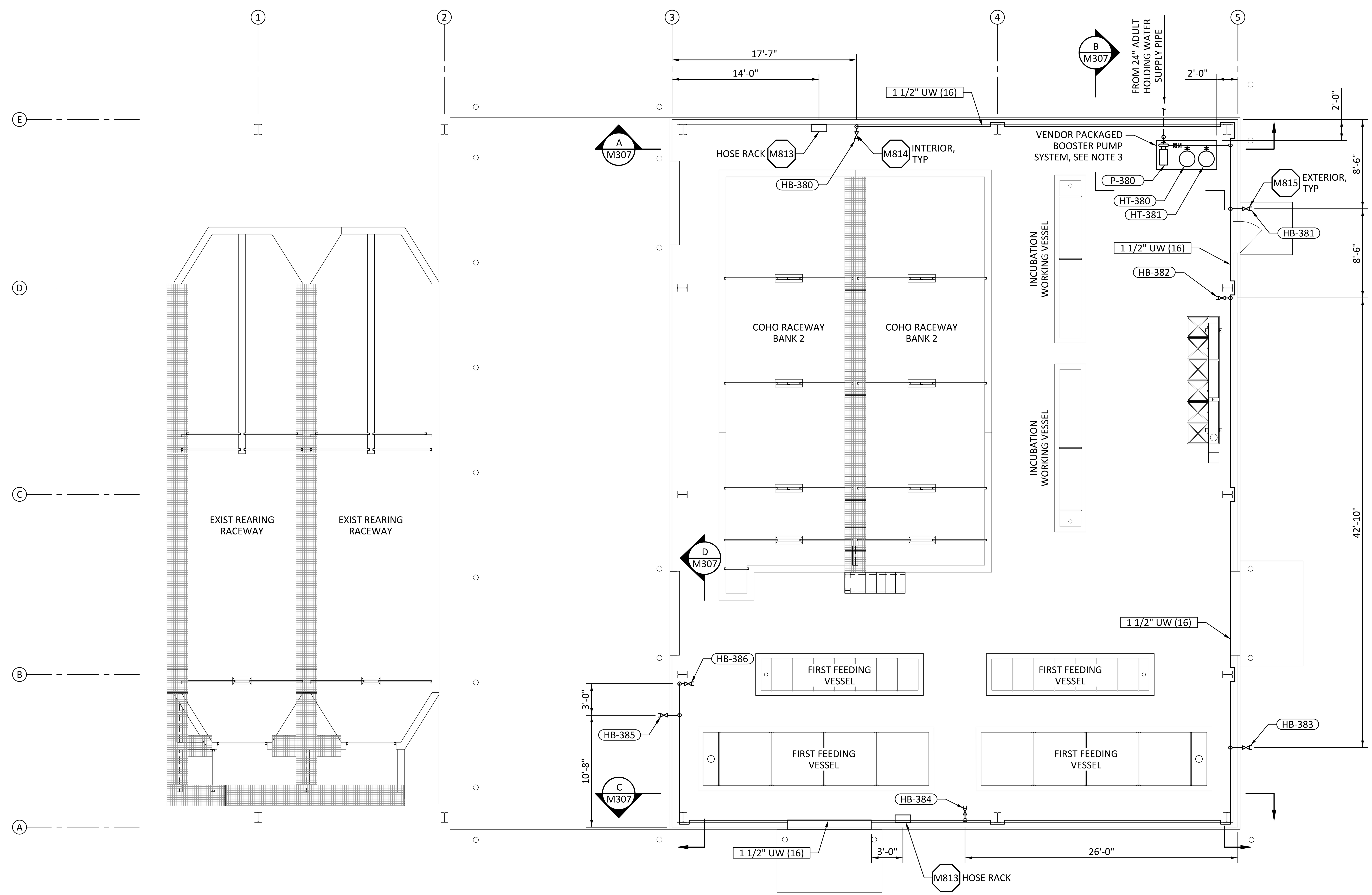
M303

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\M303.dwg Plot date: Oct 27, 2020 01:18pm, CAD User: Guerrero

SHEET NOTES:

1. PROVIDE NON-POTABLE WARNING SIGN AT EACH HOSE-BIB, PER STANDARD DETAIL M603.
2. MAINTAIN A MINIMUM 3" CLEAR BETWEEN UTILITY WATER PIPING AND ALL OTHER PIPING EQUIPMENT.
3. VENDOR PACKAGED BOOSTER PUMP SKID PER SCHEMATIC ON SHEET GM010.



COHO BUILDING UTILITY WATER PIPING PLAN

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

REV	DATE	BY	DESCRIPTION
0	10/28/20	MDM	ISSUED FOR CONSTRUCTION

LICENSED PROFESSIONAL ENGINEER SEAN P. ELLENSON M 40115 MECHANICAL STATE OF CALIFORNIA

October 28, 2020

WARNING

0 1/2 1

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McMILLEN JACOBS ASSOCIATES

KLAMATH RIVER RENEWAL CORPORATION

KLAMATH RIVER RENEWAL CORPORATION

FALL CREEK FISH HATCHERY

COHO BUILDING
UTILITY WATER PIPING PLAN

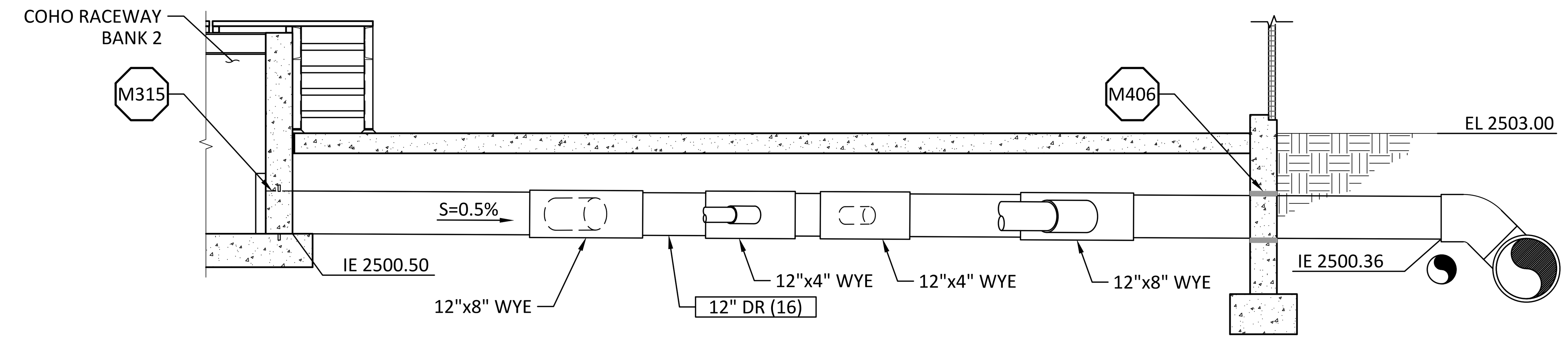
DESIGNED S. ELLENSON
DRAWN R. GUERRERO
CHECKED J. BOAG
PROJECT DATE 10/28/20

DRAWING

M304

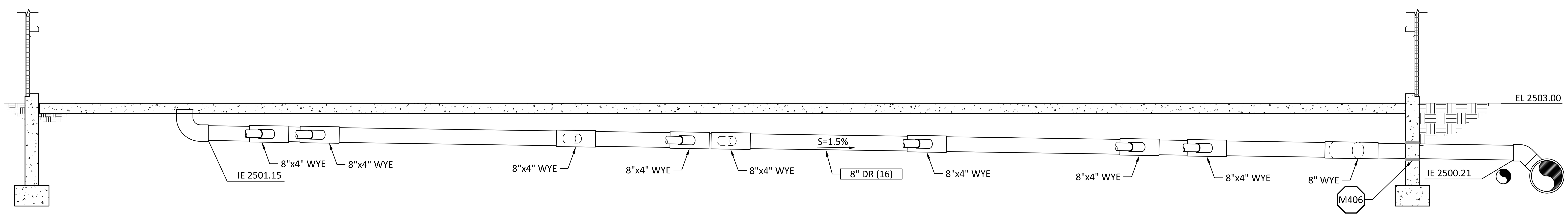
JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\M304.dwg Plot date: Oct 27, 2020 01:18pm, CAD User: Guerrero



SECTION A / M302

SCALE: 3/8"= 1'-0"



SECTION B / M302

SCALE: 3/8"= 1'-0"

REV	DATE	BY	DESCRIPTION
0	10/28/20	MDM	ISSUED FOR CONSTRUCTION

WARNING

0 1/2 1

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

McMILLEN JACOBS ASSOCIATES

KLAMATH RIVER RENEWAL CORPORATION

KLAMATH RIVER RENEWAL CORPORATION

FALL CREEK FISH HATCHERY

COHO BUILDING
PIPING SECTIONS 1

DESIGNED S. ELLENSON

DRAWN R. GUERRERO

CHECKED J. BOAG

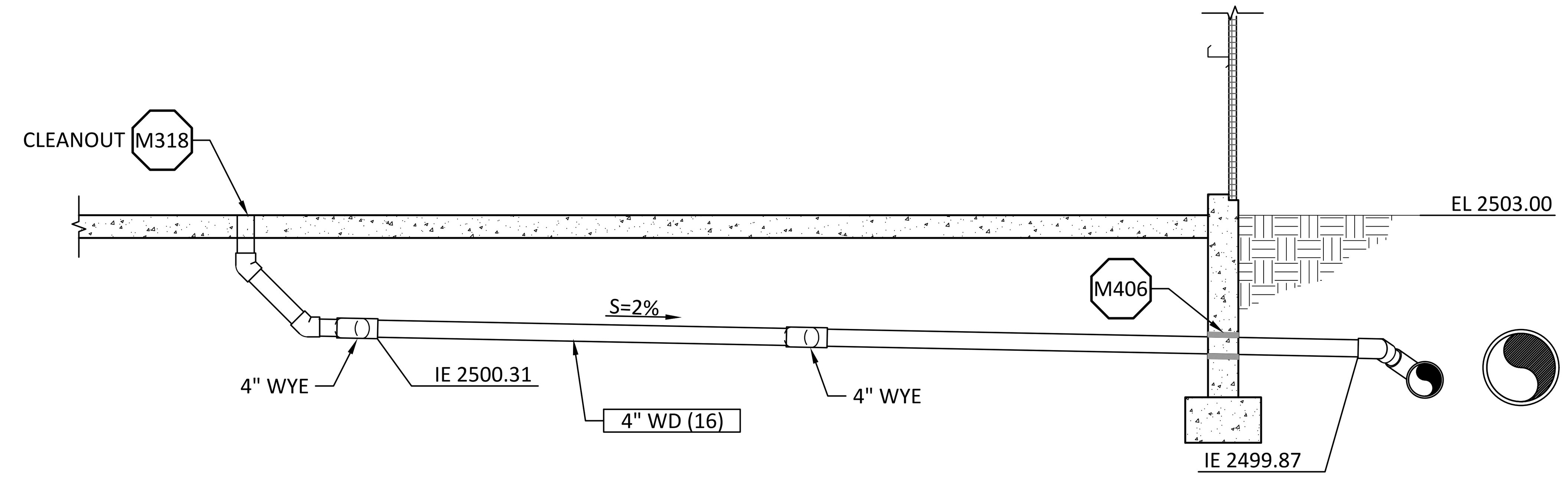
PROJECT DATE 10/28/20

DRAWING

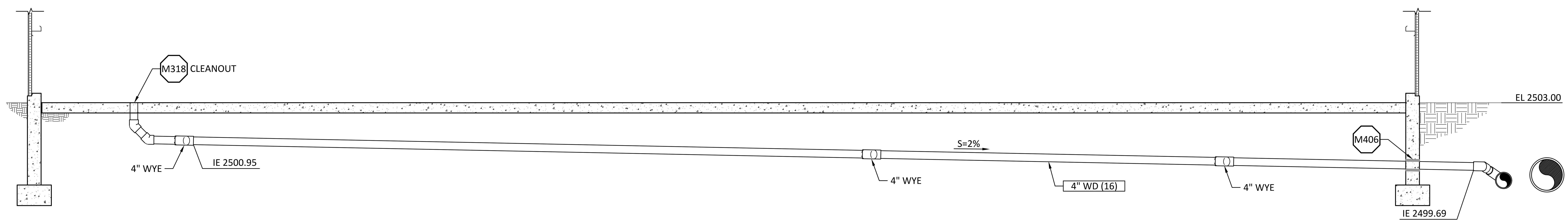
M305

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\M305.dwg Plot date: Oct 27, 2020 01:18pm, CAD User: Guerrero

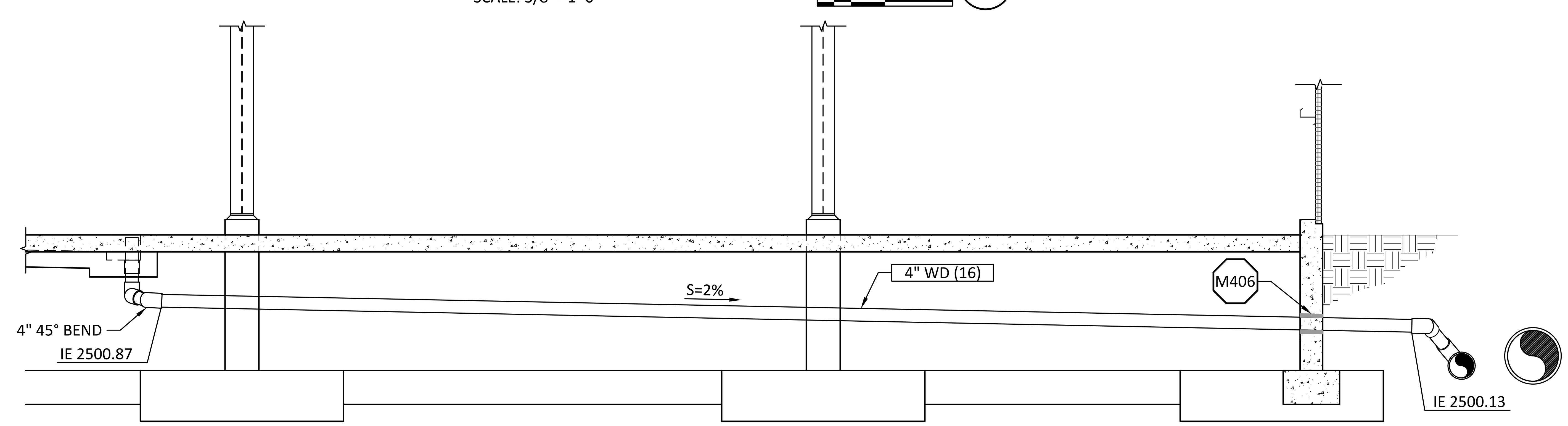
JOB NO: 000000



SECTION A/M303
SCALE: 3/8"= 1'-0"



SECTION B/M303
SCALE: 3/8"= 1'-0"



SECTION C/M303
SCALE: 3/8"= 1'-0"

REV	DATE	BY	DESCRIPTION
0	10/28/20	MDM	ISSUED FOR CONSTRUCTION

WARNING
0 1/2 1
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McMILLEN JACOBS ASSOCIATES

KLAMATH RIVER RENEWAL CORPORATION

KLAMATH RIVER RENEWAL CORPORATION
FALL CREEK FISH HATCHERY

COHO BUILDING
PIPING SECTIONS 2

DESIGNED S. ELLENSON
DRAWN R. GUERRERO
CHECKED J. BOAG
PROJECT DATE 10/28/20

DRAWING
M306

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\M306.dwg Plot date: Oct 27, 2020 01:19pm, CAD User: Guerrero

SHEET NOTES:

1. MOUNT UTILITY WATER PIPING TO CONCRETE BUILDING CURB. MAXIMUM SUPPORT SPACING 5'-0".

REV	DATE	BY	DESCRIPTION
0	10/28/20	MDM	ISSUED FOR CONSTRUCTION

LICENSED PROFESSIONAL ENGINEER SEAN P. ELLENSON M 40115 MECHANICAL STATE OF CALIFORNIA
October 28, 2020

WARNING
0 1/2 1
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McMILLEN JACOBS ASSOCIATES

KLAMATH RIVER RENEWAL CORPORATION

KLAMATH RIVER RENEWAL CORPORATION
FALL CREEK FISH HATCHERY

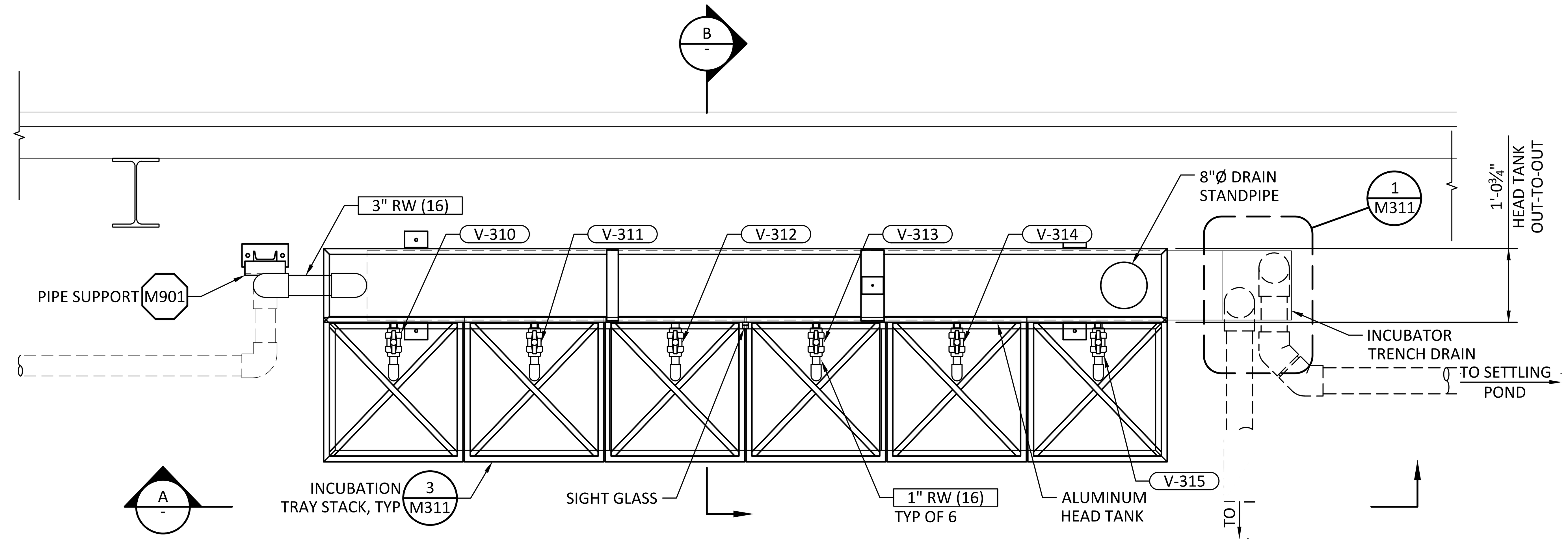
COHO BUILDING
PIPING SECTIONS 3

DESIGNED S. ELLENSON
DRAWN R. GUERRERO
CHECKED J. BOAG
PROJECT DATE 10/28/20

DRAWING
M307

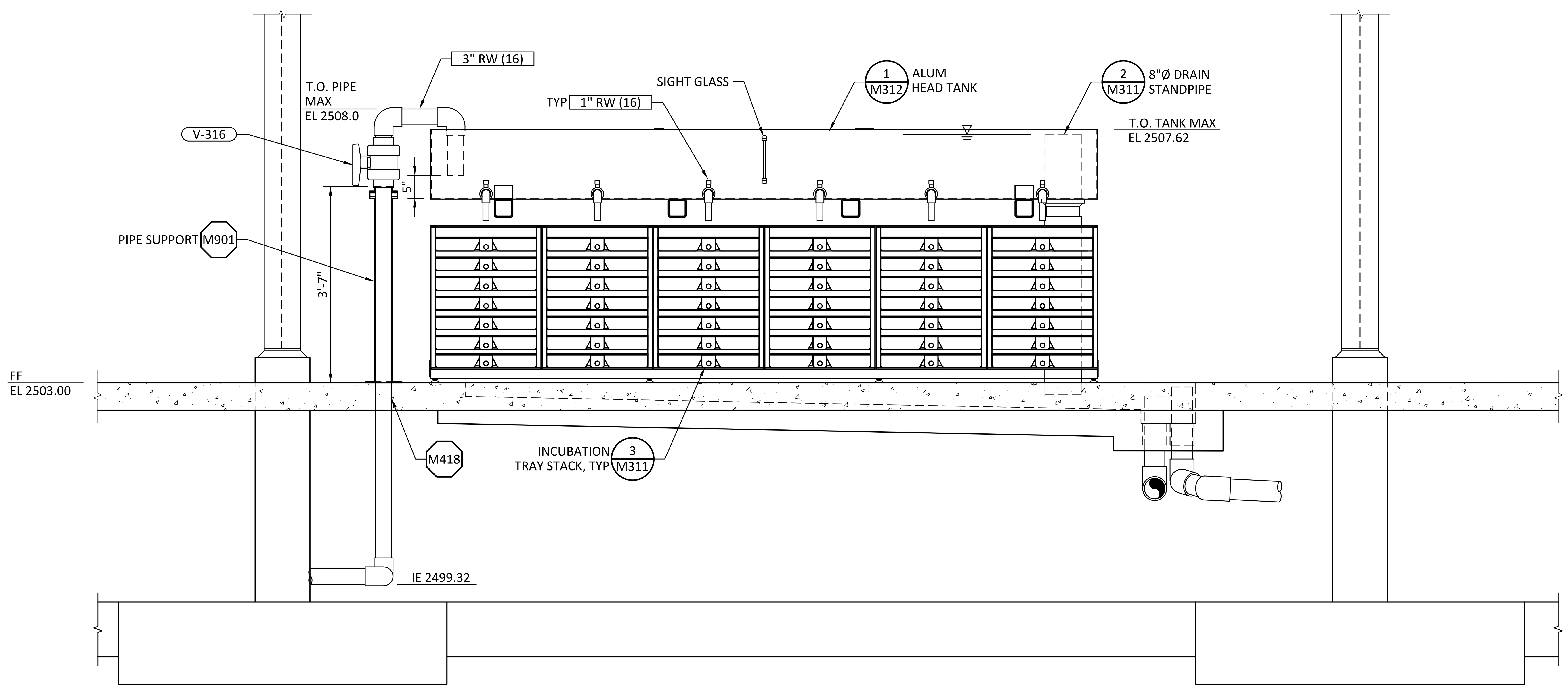
JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\M307.dwg Plot date: Oct 27, 2020 01:19pm, CAD User: Guerrero



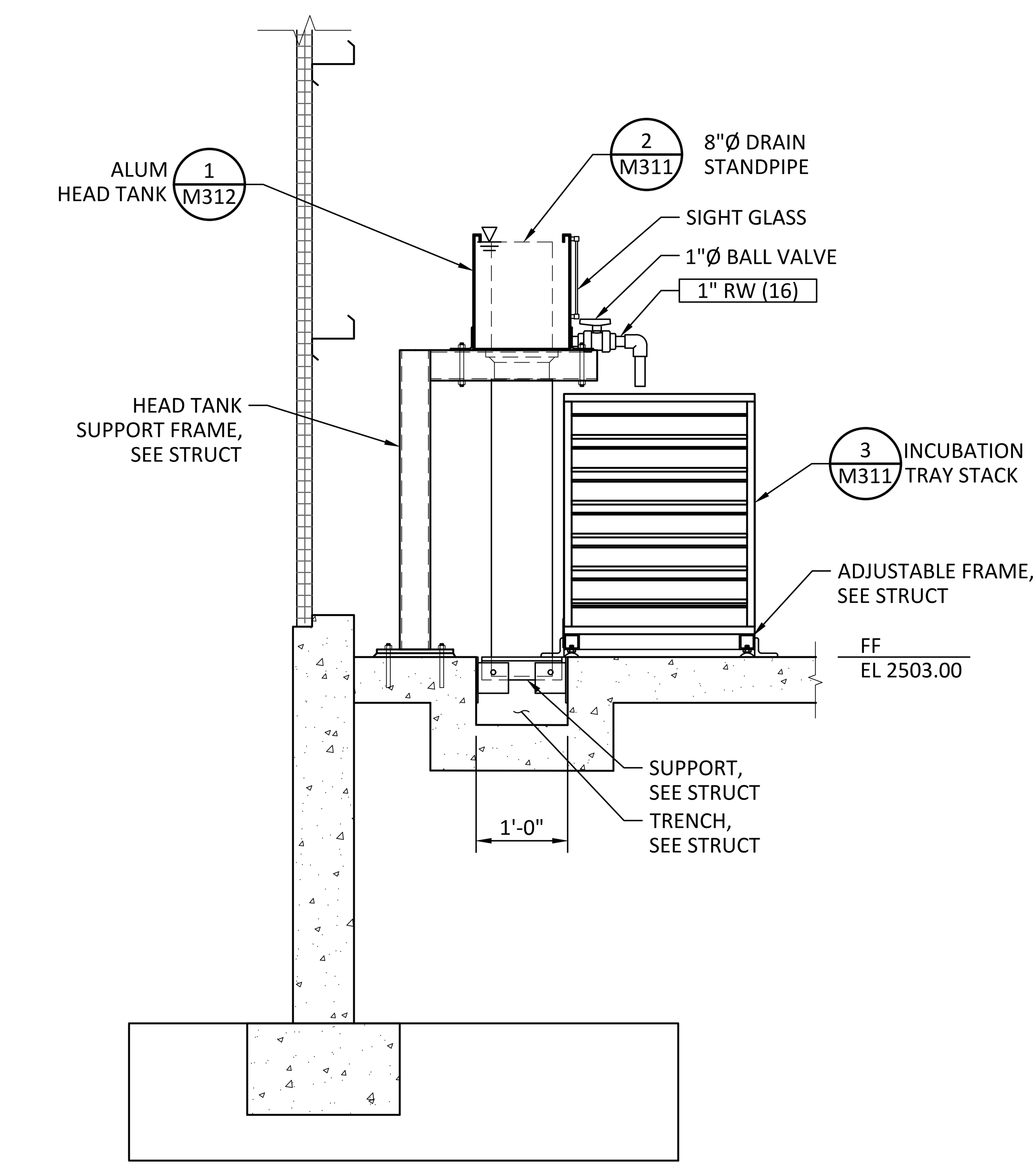
HEAD TANK PLAN

SCALE: 3/4"= 1'-0" 1 M300



SECTION

SCALE: 3/4"= 1'-0" A



SECTION

SCALE: 3/4"= 1'-0" B

REV	DATE	BY	DESCRIPTION
0	10/28/20	MDM	ISSUED FOR CONSTRUCTION

LICENSED PROFESSIONAL ENGINEER SEAN P. ELLENSON M 40115 MECHANICAL STATE OF CALIFORNIA
October 28, 2020

WARNING
0 1/2 1
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McMILLEN JACOBS ASSOCIATES

KLAMATH RIVER RENEWAL CORPORATION

KLAMATH RIVER RENEWAL CORPORATION
FALL CREEK FISH HATCHERY
COHO BUILDING
INCUBATION STACKS
PLAN AND SECTIONS

DESIGNED S. ELLENSON
DRAWN R. GUERRERO
CHECKED J. BOAG
PROJECT DATE 10/28/20

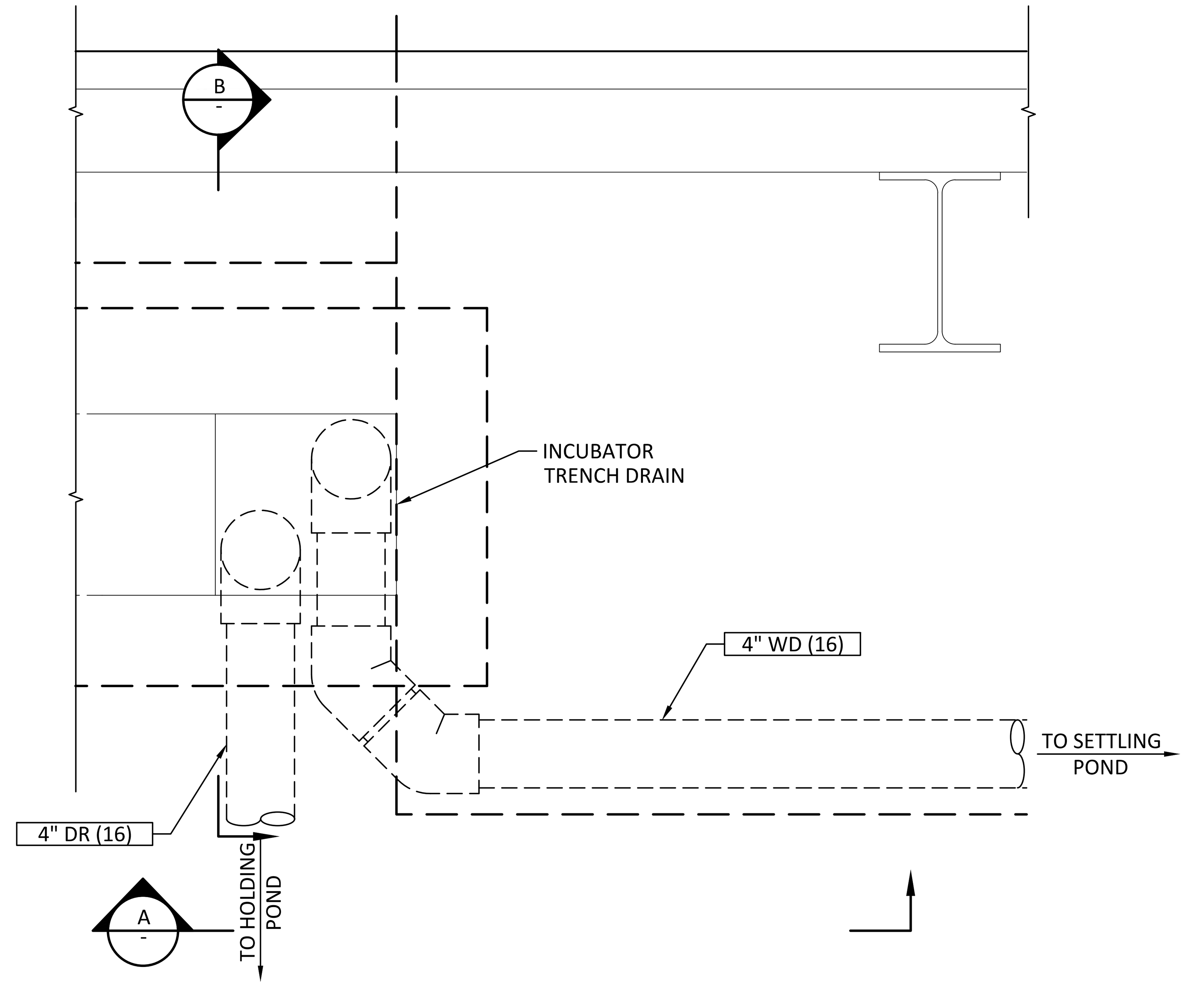
DRAWING
M310

JOB NO: 000000

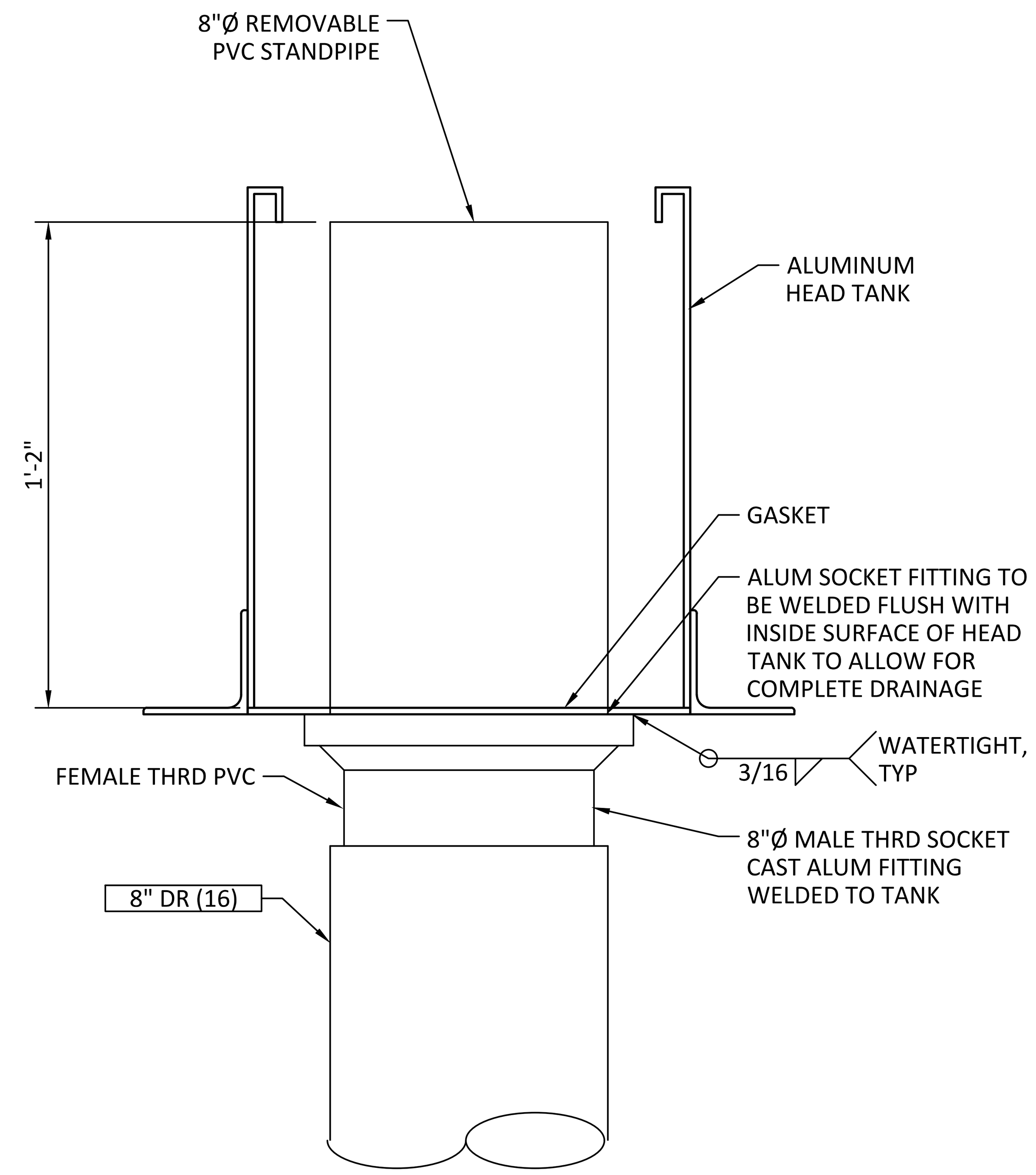
Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\M310.dwg Plot date: Oct 27, 2020 01:19pm, CAD User: Guerrero

SHEET NOTES:

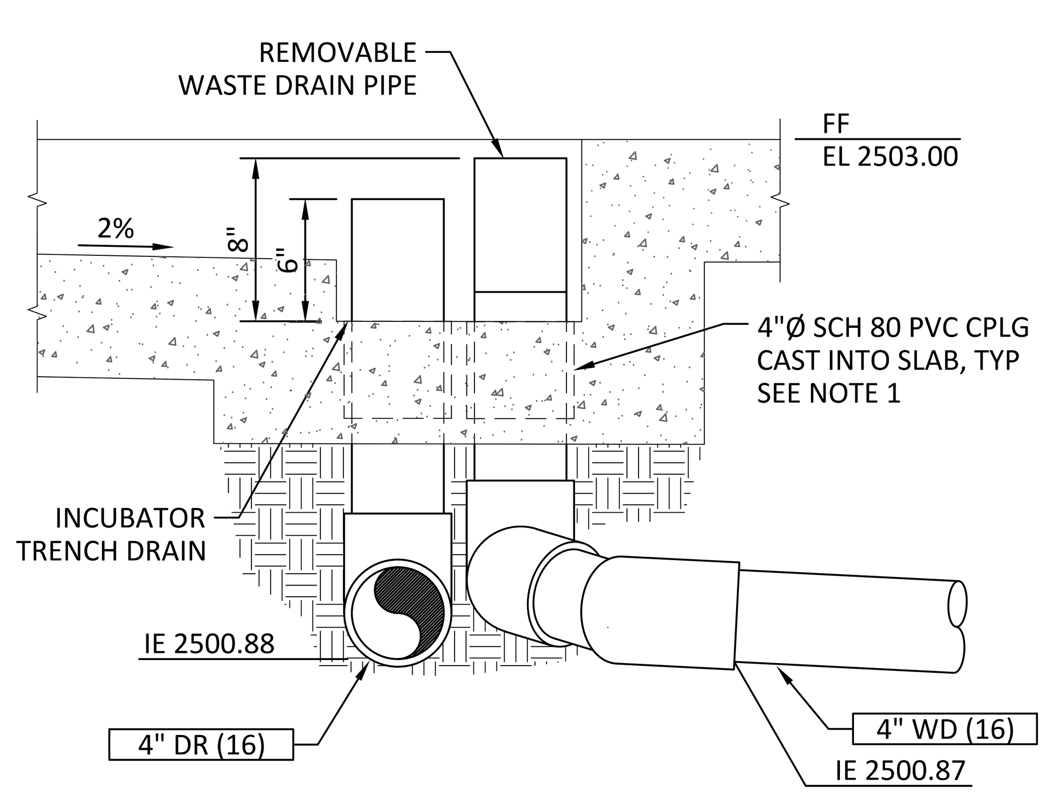
1. 4" DIA SCH 80 COUPLING TO BE CAST INTO CONCRETE, FITTING TO BE FLUSH W/ BOTTOM OF TRENCH TO ALLOW FOR COMPLETE DRAINAGE.



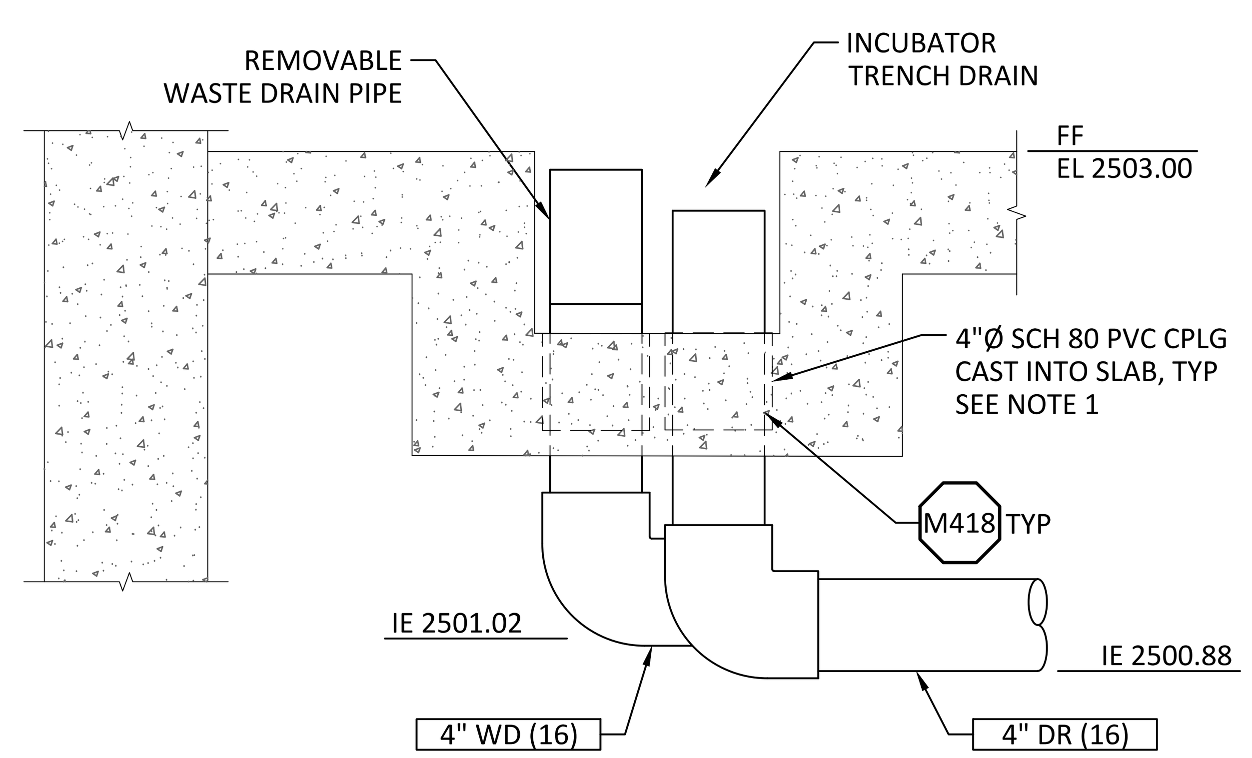
TRENCH DRAIN DETAIL 1 M310
SCALE: 1 1/2"= 1'-0"



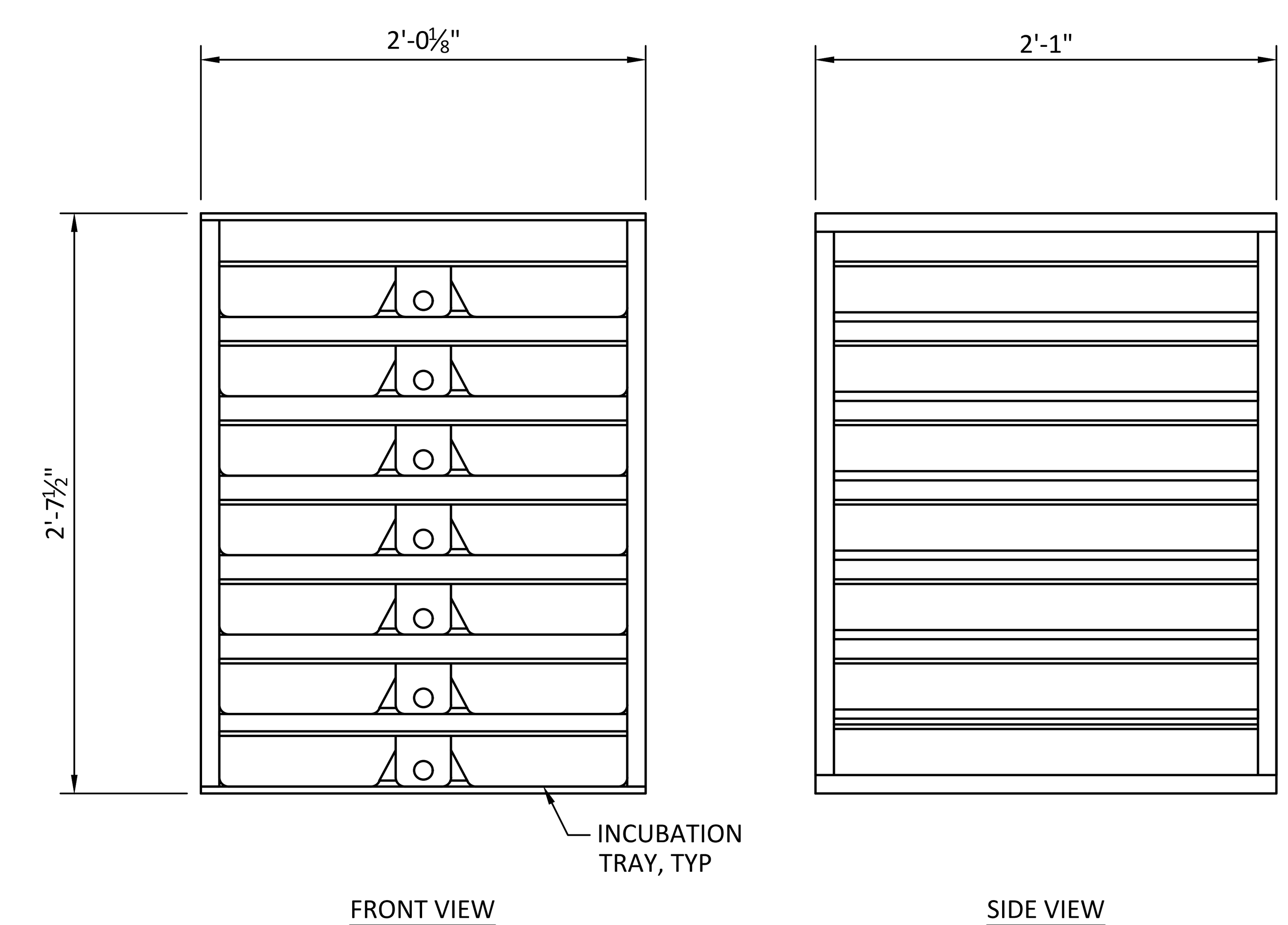
DRAIN STANDPIPE DETAIL 2 M310
SCALE: 3"= 1'-0"



TRENCH DRAIN SECTION A
SCALE: 1 1/2"= 1'-0"



TRENCH DRAIN SECTION B
SCALE: 1 1/2"= 1'-0"



INCUBATION TRAY STACKS (TYP OF 6 - EXISTING) 3 M310
SCALE: 1 1/2"= 1'-0"

REV	DATE	BY	DESCRIPTION
0	10/28/20	MDM	ISSUED FOR CONSTRUCTION

LICENSED PROFESSIONAL ENGINEER SEAN P. ELLENSON M 40115 MECHANICAL STATE OF CALIFORNIA
October 28, 2020

WARNING
0 1/2 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

McMILLEN JACOBS ASSOCIATES

KLAMATH RIVER RENEWAL CORPORATION

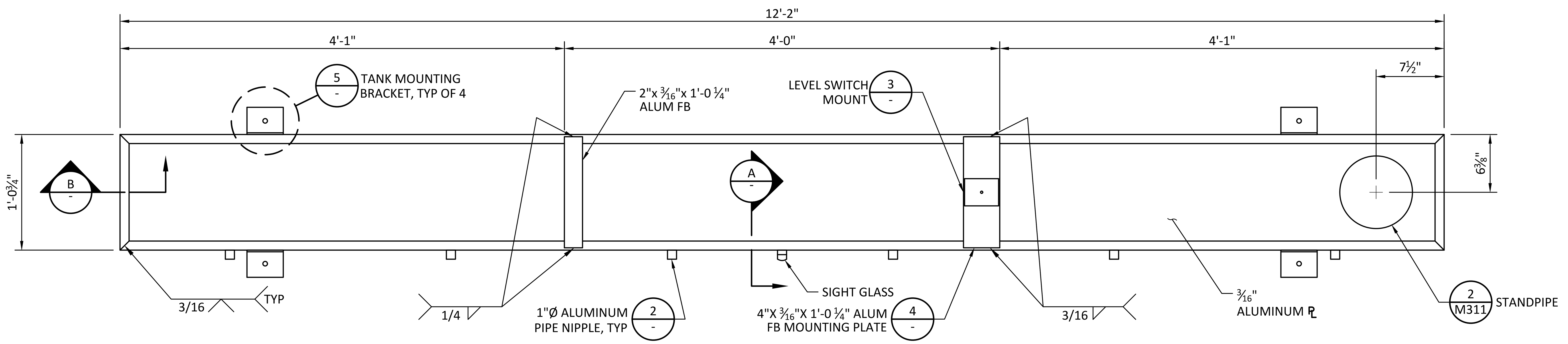
KLAMATH RIVER RENEWAL CORPORATION
FALL CREEK FISH HATCHERY
COHO BUILDING
INCUBATION STACKS
SECTIONS AND DETAILS 1

DESIGNED S. ELLENSON
DRAWN R. GUERRERO
CHECKED J. BOAG
PROJECT DATE 10/28/20

DRAWING
M311

JOB NO: 000000

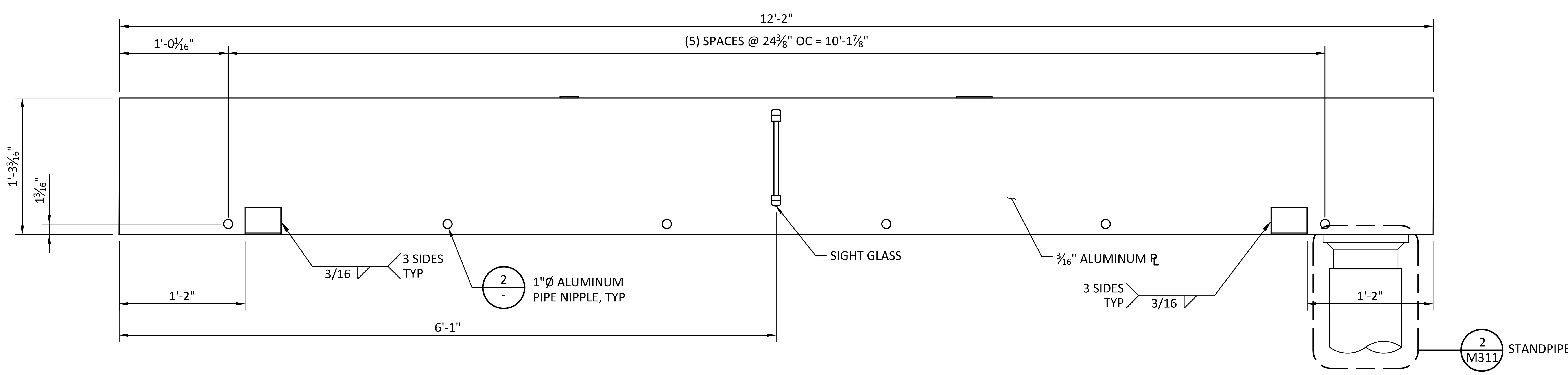
Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\M311.dwg Plot date: Oct 27, 2020 01:20pm, CAD User: Guerrero



INCUBATION HEAD TANK PLAN

1 / M310

SCALE: 1 1/2"= 1'-0"

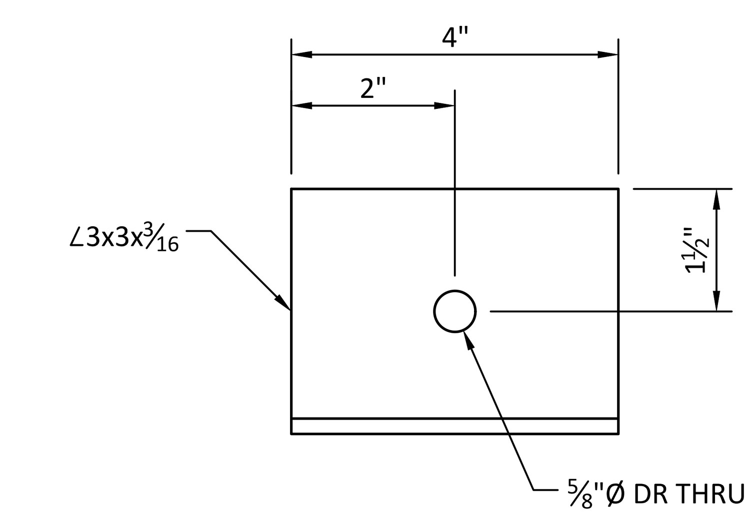


INCUBATION HEAD TANK ELEVATION

SCALE: 1 1/2"= 1'-0"

SHEET NOTES:

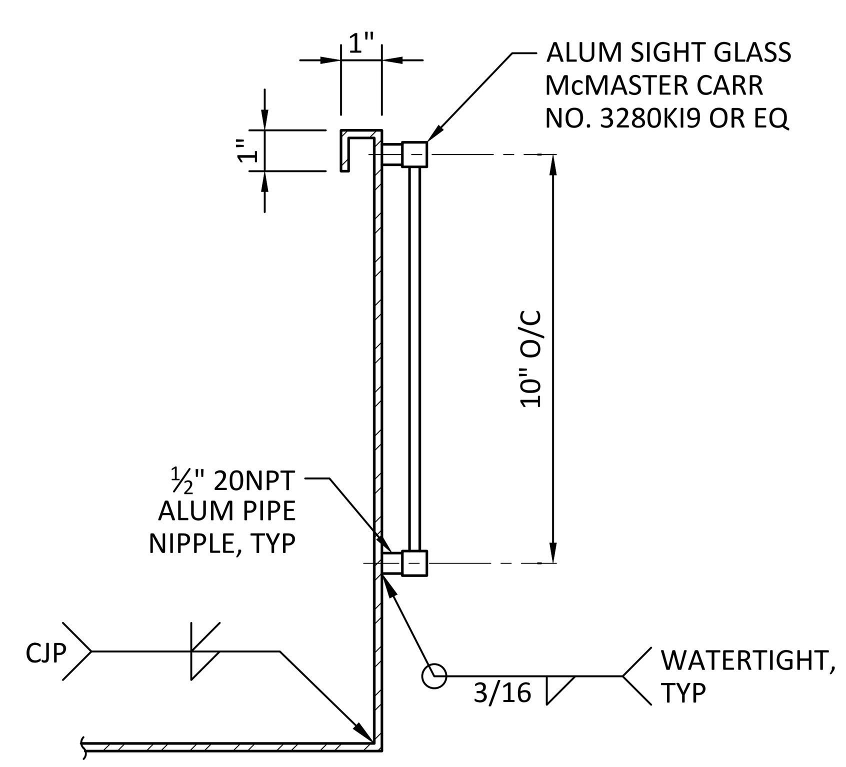
1. ALUMINUM PLATE AND BAR SHALL BE 5052-H32. ALUMINUM ANGLE SHALL BE 6061-T6.
2. PROVIDE MOUNTING HOLES IN ACCORDANCE WITH MANUFACTURE BOLTING PATTERN OF SELECTED TERMINAL BOX.



TANK MOUNTING BRACKET DETAIL (QTY = 4)

5 / -

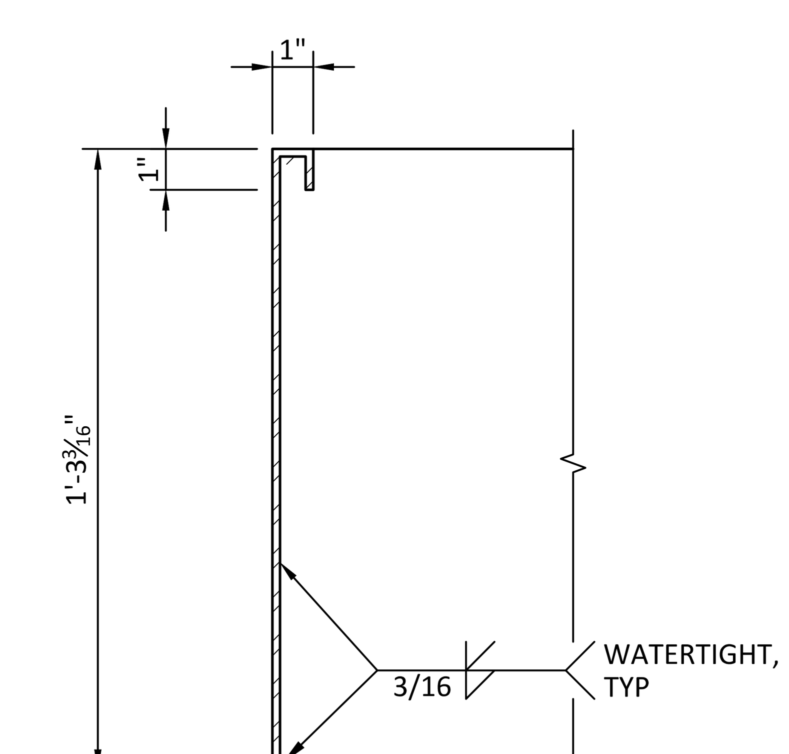
SCALE: 6"= 1'-0"



SECTION

A / -

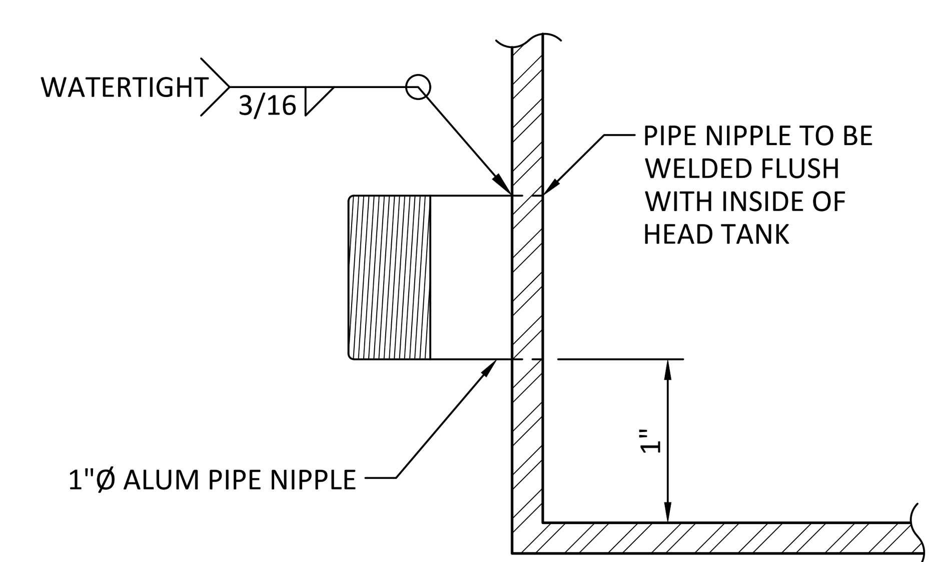
SCALE: 3"= 1'-0"



SECTION

B / -

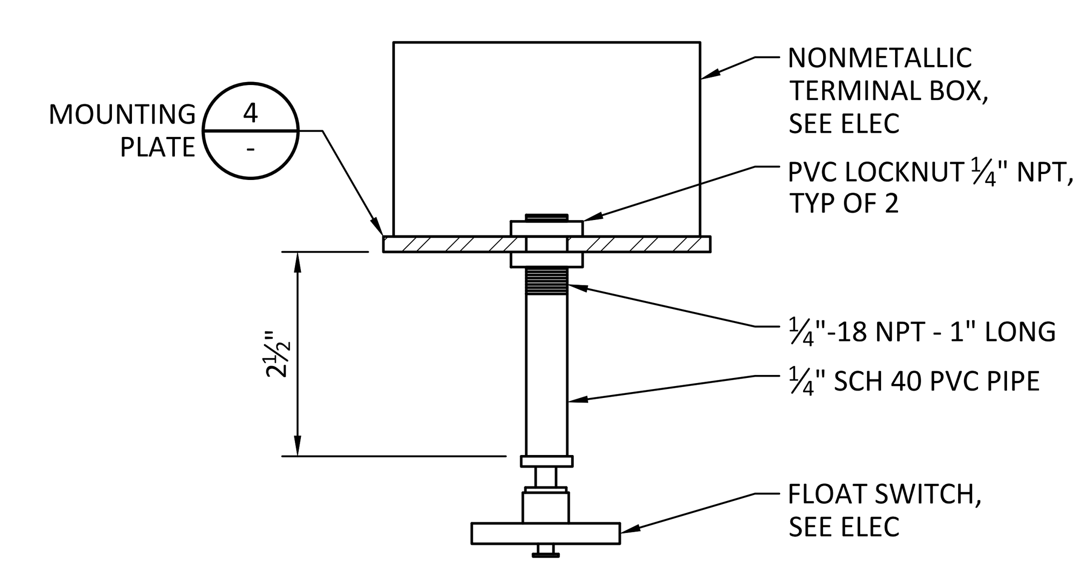
SCALE: 3"= 1'-0"



DETAIL

2 / -

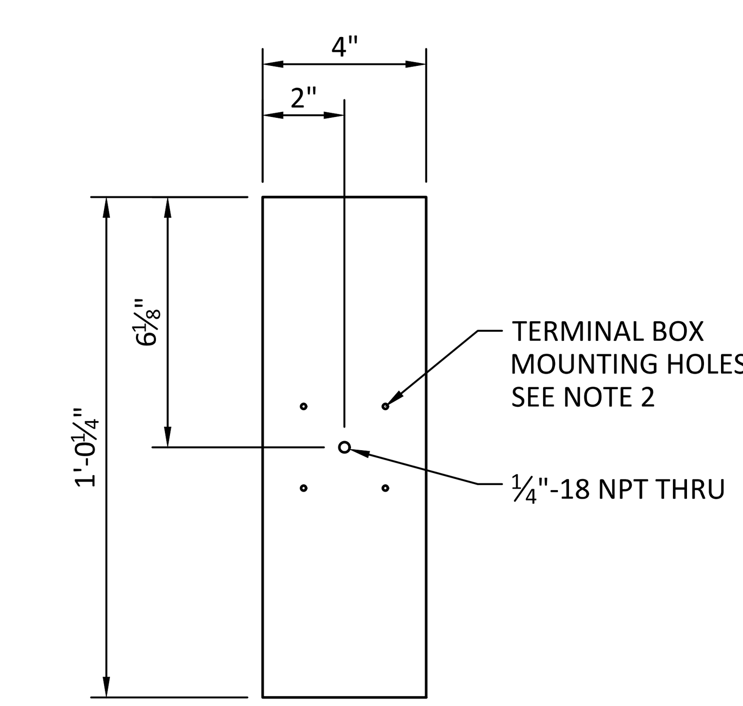
SCALE: 12"= 1'-0"



FLOAT SWITCH - DETAIL

3 / -

SCALE: 6"= 1'-0"



MOUNTING PLATE - DETAIL

4 / -

SCALE: 3"= 1'-0"

REV	DATE	BY	DESCRIPTION
0	10/28/20	MDM	ISSUED FOR CONSTRUCTION

WARNING

0 1/2 1

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McMILLEN JACOBS ASSOCIATES

KLAMATH RIVER RENEWAL CORPORATION

KLAMATH RIVER RENEWAL CORPORATION

FALL CREEK FISH HATCHERY

COHO BUILDING
INCUBATION STACKS
SECTIONS AND DETAILS 2

DESIGNED S. ELLENSON

DRAWN T. CASTRICONE

CHECKED J. BOAG

PROJECT DATE 10/28/20

DRAWING

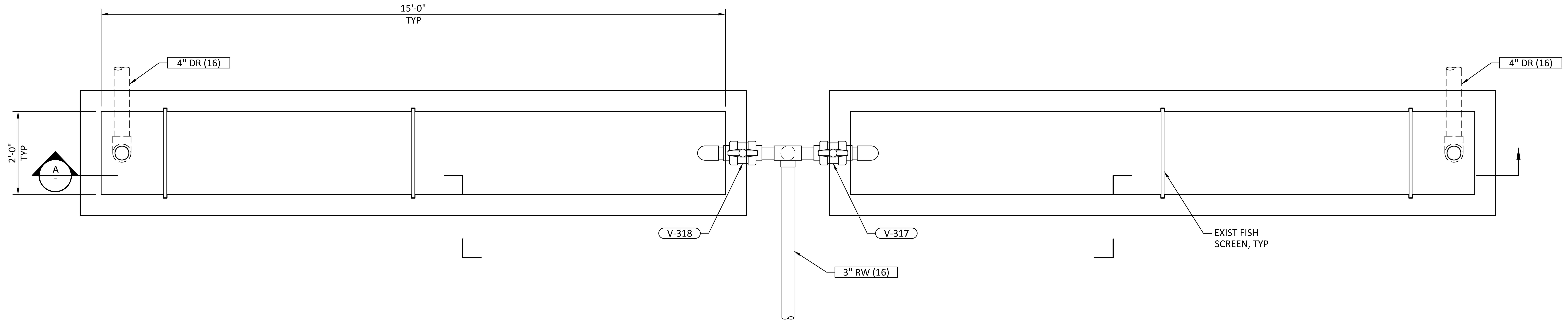
M312

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\M312.dwg Plot date: Oct 27, 2020 01:20pm, CAD User: Guerrero

SHEET NOTES:

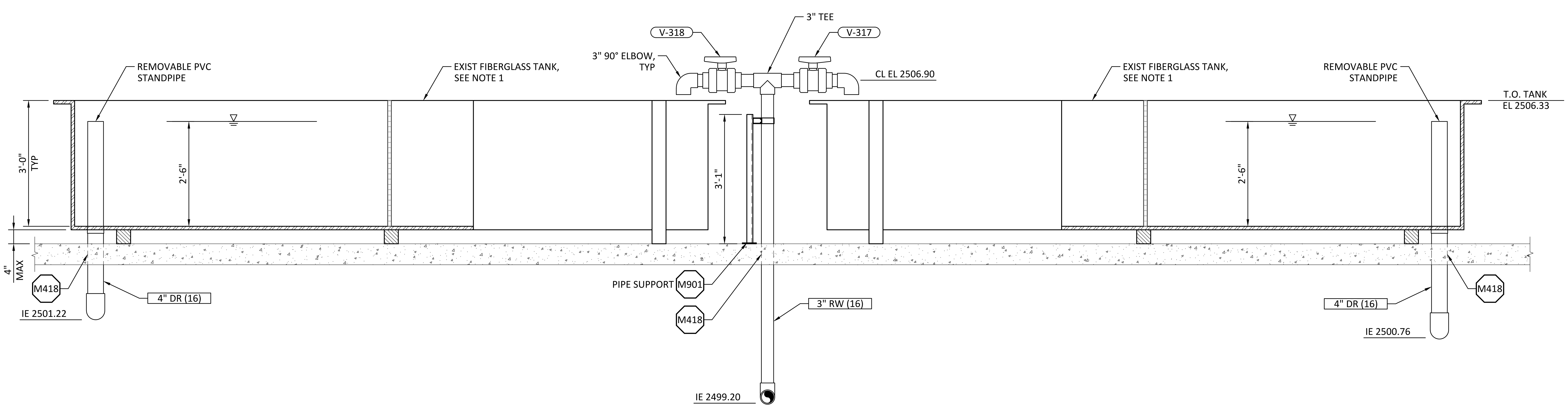
1. THE FIBERGLASS TANK WORKING VESSELS ARE EXISTING AND WILL BE RELOCATED FROM THE IRON GATE HATCHERY FOR USE IN THE COHO BUILDING.



WORKING VESSELS PLAN

SCALE: 3/4"= 1'-0"

1 / M300



SECTION

SCALE: 3/4"= 1'-0"

A / -

REV	DATE	BY	DESCRIPTION
0	10/28/20	MDM	ISSUED FOR CONSTRUCTION

LICENSED PROFESSIONAL ENGINEER SEAN P. ELLENSON 40115 MECHANICAL STATE OF CALIFORNIA

October 28, 2020

WARNING

0 1/2 1

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McMILLEN JACOBS ASSOCIATES

KLAMATH RIVER RENEWAL CORPORATION

KLAMATH RIVER RENEWAL CORPORATION

FALL CREEK FISH HATCHERY

COHO BUILDING WORKING VESSELS
PLAN, SECTIONS, AND DETAILS

DESIGNED S. ELLENSON

DRAWN R. GUERRERO

CHECKED J. BOAG

PROJECT DATE 10/28/20

DRAWING

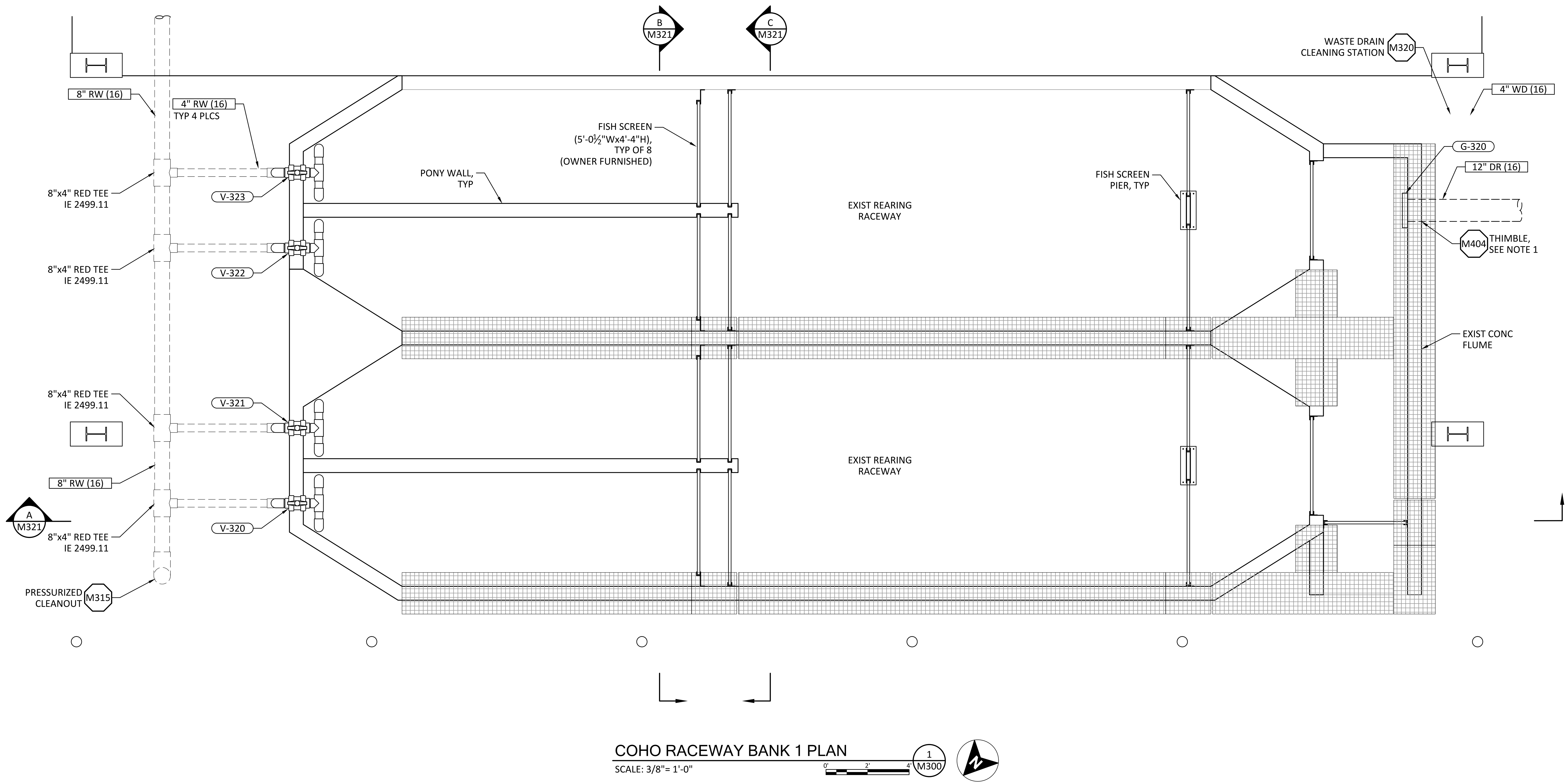
M313

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\M313.dwg Plot date: Oct 27, 2020 01:20pm, CAD User: Guerrero

SHEET NOTES:

1. SEE STRUCTURAL FOR THIMBLE INSTALLATION DETAILS INTO EXISTING CONCRETE WALL.



COHO RACEWAY BANK 1 PLAN

SCALE: 3/8"= 1'-0"

1
M300

REV	DATE	BY	DESCRIPTION
0	10/28/20	MDM	ISSUED FOR CONSTRUCTION

LICENSED PROFESSIONAL ENGINEER SEAN P. ELLENSON M 40115 MECHANICAL STATE OF CALIFORNIA

October 28, 2020

WARNING

0 1/2 1

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McMILLEN JACOBS ASSOCIATES

KLAMATH RIVER RENEWAL CORPORATION

KLAMATH RIVER RENEWAL CORPORATION

FALL CREEK FISH HATCHERY

COHO RACEWAY BANK 1 PLAN

DESIGNED S. ELLENSON

DRAWN R. GUERRERO

CHECKED J. BOAG

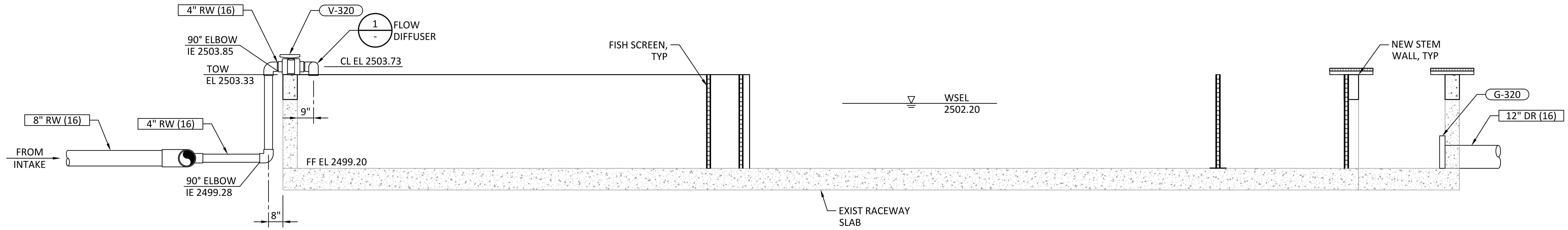
PROJECT DATE 10/28/20

DRAWING

M320

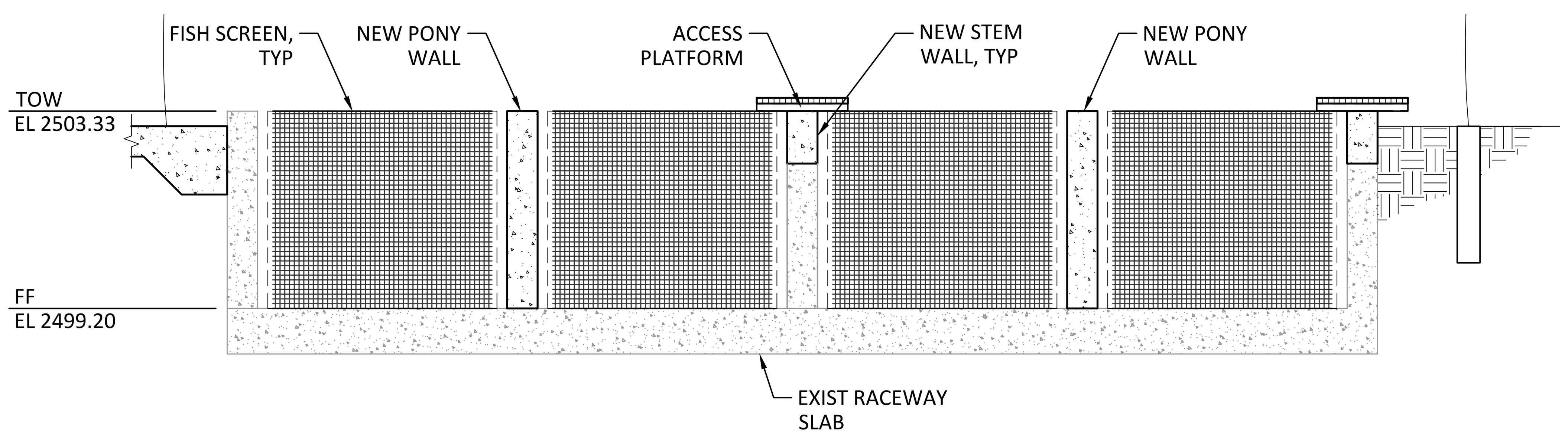
JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\M320.dwg Plot date: Oct 27, 2020 01:20pm, CAD User: Guerrero



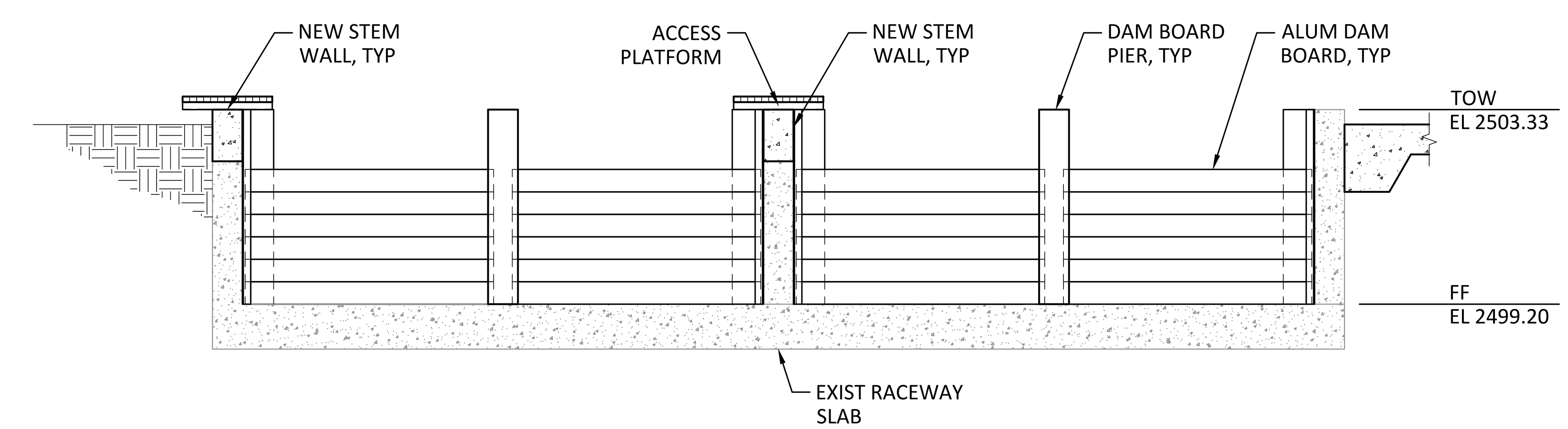
SECTION A M320

SCALE: 3/8"= 1'-0"



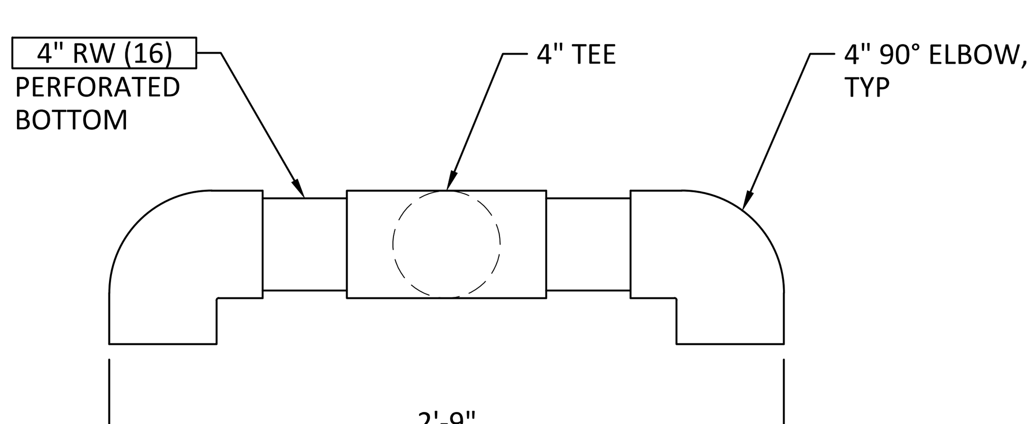
SECTION B M320

SCALE: 3/8"= 1'-0"



SECTION C M320

SCALE: 3/8"= 1'-0"



NOTE:
DRILL 1½"Ø HOLES ALONG INVERT OF PIPE AND TEE AT 2½" OC.

FLOW DIFFUSER - DETAIL 1 -

SCALE: 1 1/2"= 1'-0"

REV	DATE	BY	DESCRIPTION
0	10/28/20	MDM	ISSUED FOR CONSTRUCTION

LICENSED PROFESSIONAL ENGINEER SEAN P. ELLENSON M 40115 MECHANICAL STATE OF CALIFORNIA

October 28, 2020

WARNING

0 1/2 1

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McMILLEN JACOBS ASSOCIATES

KLAMATH RIVER RENEWAL CORPORATION

KLAMATH RIVER RENEWAL CORPORATION

FALL CREEK FISH HATCHERY

COHO RACEWAY BANK 1
SECTIONS AND DETAILS

DESIGNED S. ELLENSON

DRAWN R. GUERRERO

CHECKED J. BOAG

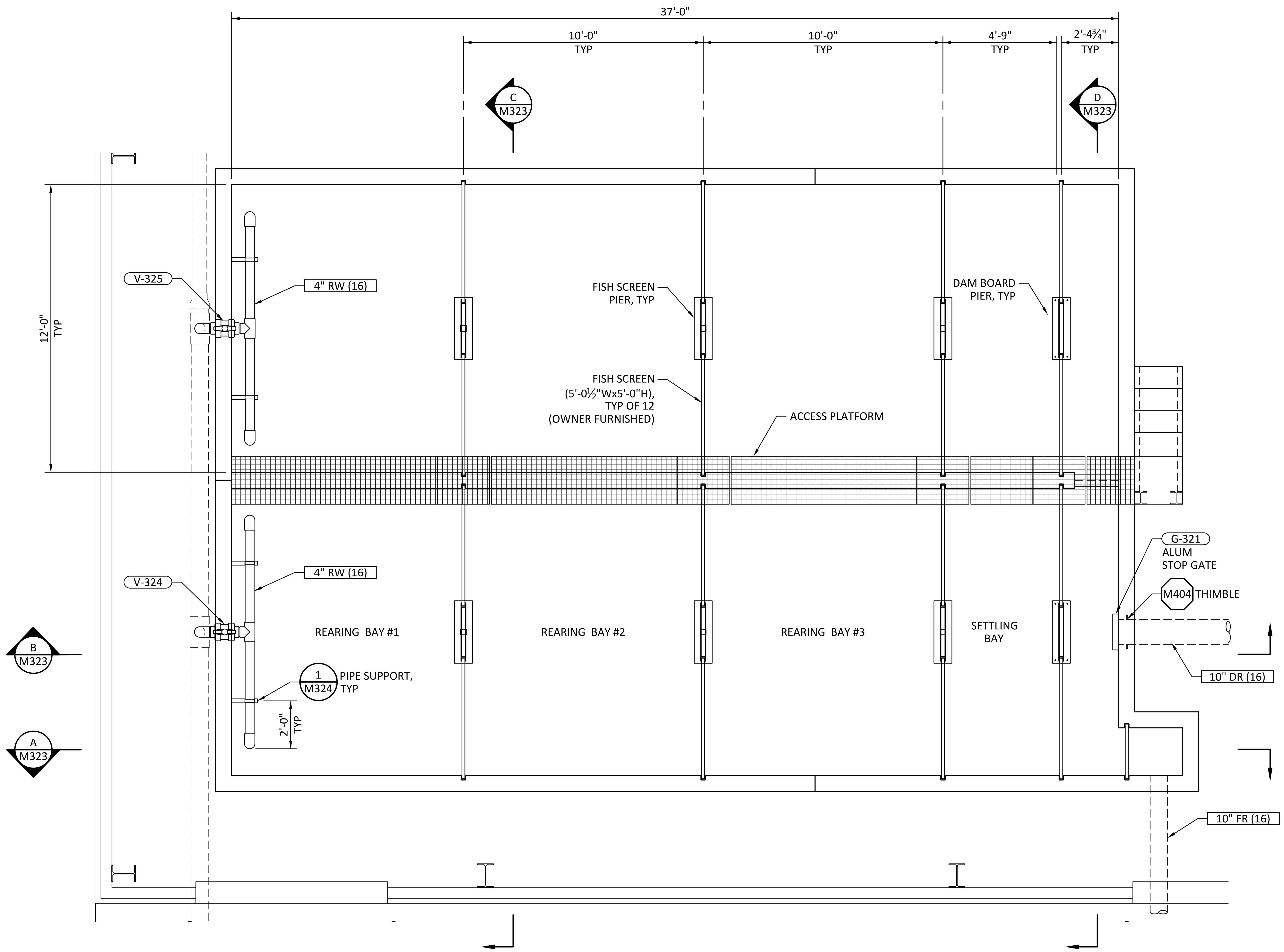
PROJECT DATE 10/28/20

DRAWING

M321

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\M321.dwg Plot date: Oct 27, 2020 01:20pm, CAD User: Guerrero



COHO RACEWAY BANK 2 PLAN

SCALE: 3/8"= 1'-0"

1 M300

REV	DATE	BY	DESCRIPTION
0	10/28/20	MDM	ISSUED FOR CONSTRUCTION

LICENSED PROFESSIONAL ENGINEER SEAN P. ELLENSON M 40115 MECHANICAL STATE OF CALIFORNIA

October 28, 2020

WARNING

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McMILLEN JACOBS ASSOCIATES

KLAMATH RIVER RENEWAL CORPORATION

KLAMATH RIVER RENEWAL CORPORATION

FALL CREEK FISH HATCHERY

COHO RACEWAY BANK 2 PLAN

DESIGNED S. ELLENSON

DRAWN R. GUERRERO

CHECKED J. BOAG

PROJECT DATE 10/28/20

DRAWING M322

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\M322.dwg Plot date: Oct 27, 2020 01:21pm, CAD User: Guerrero