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 5 of 12)

UNITED STATES OF AMERICA
BEFORE THE
FEDERAL ENERGY REGULATORY COMMISSION

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

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

EXHIBIT R-5
Fall Creek Hatchery
(continued)

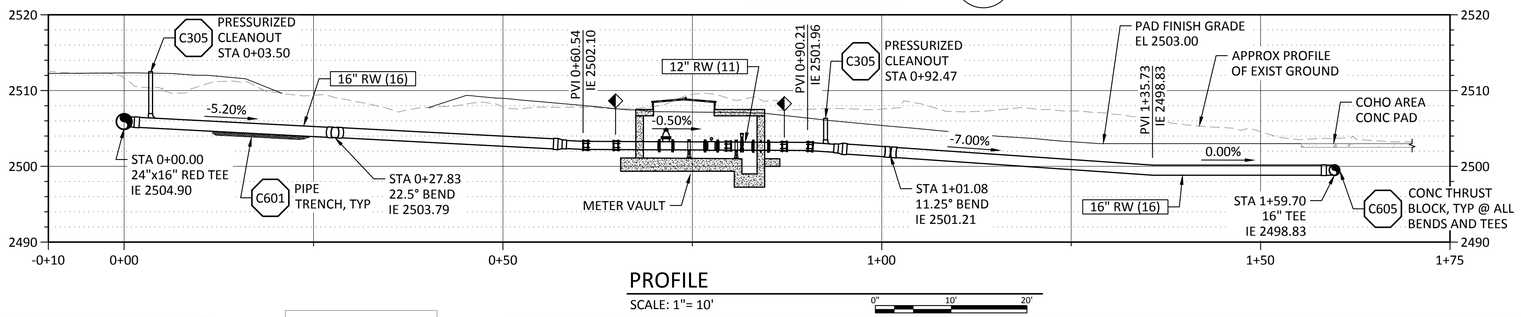
Fall Creek Hatchery 100% Design Drawings
(continued)

SHEET NOTES:

1. SUPPLY PIPE TO MAINTAIN MINIMUM 2.0' COVER OVER CROWN OF PIPE ALONG ENTIRE PIPELINE LENGTH. WHERE NOT ATTAINABLE, OR WHERE SHOWN OTHERWISE ON THE PROFILE, PIPE IS TO BE ENCASED IN CLSM PER SPECIFICATION 31 23 00.
2. ALL ELEVATIONS SHOWN ON THIS SHEET ARE INVERT ELEVATIONS.

COHO BUILDING WATER SUPPLY PLAN

SCALE: 1"= 10'



PROFILE

SCALE: 1"= 10'

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

WARNING

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 WATER SUPPLY PLAN AND PROFILE

DESIGNED A. LEMAN

DRAWN J. LAHMON

CHECKED V. AUTIER

PROJECT DATE 10/28/20

DRAWING

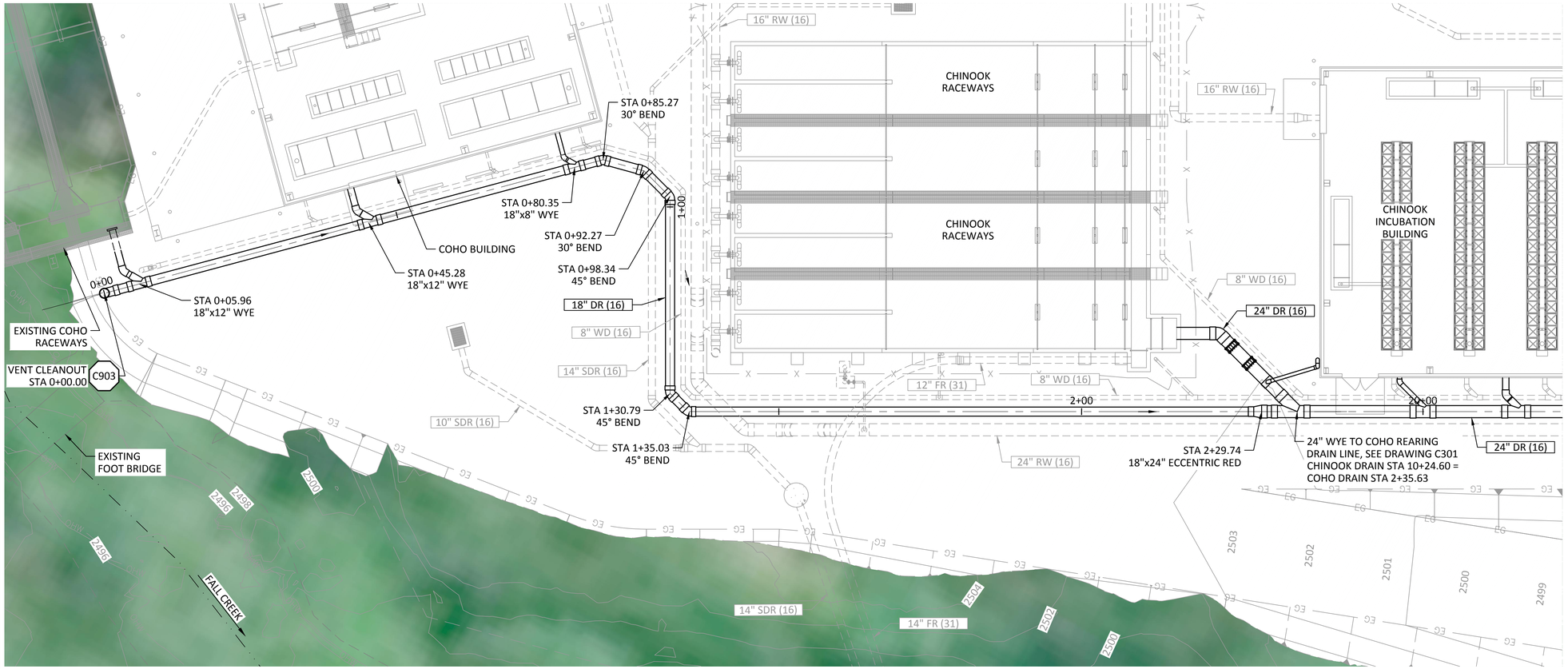
C300

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\C300.dwg Plot date: Oct 28, 2020 01:24pm, CAD User: Guerrero

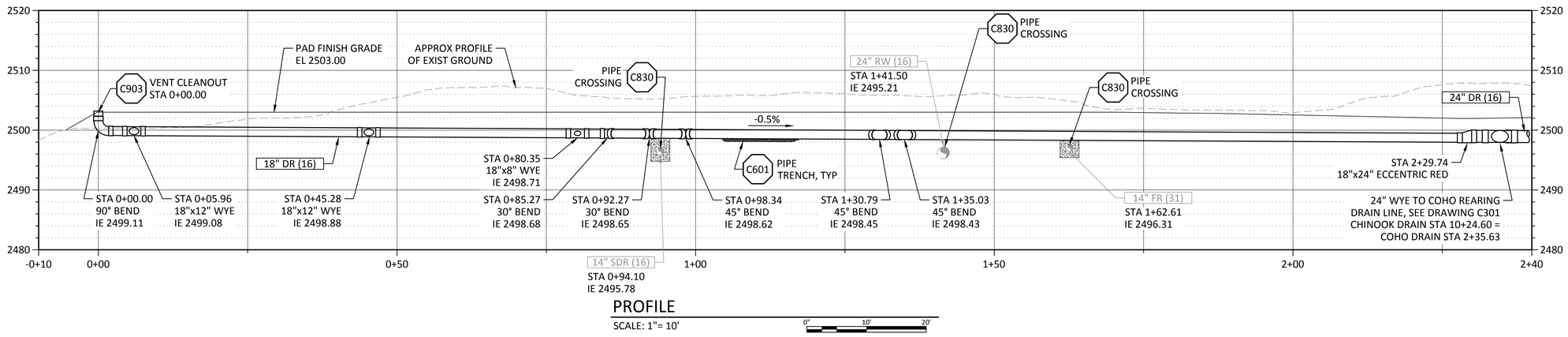
SHEET NOTES:

1. ALL INTERIOR PIPING AND PLUMBING IS SHOWN ON THE MECHANICAL SHEETS.
2. DRAIN PIPE TO MAINTAIN MINIMUM 2.0' COVER OVER CROWN OF PIPE ALONG ENTIRE PIPELINE LENGTH. WHERE NOT ATTAINABLE, OR WHERE SHOWN OTHERWISE ON THE PROFILE, PIPE IS TO BE ENCASED IN CLSM PER SPECIFICATION 31 23 00.
3. ALL PIPE ELEVATIONS SHOWN ON THIS SHEET ARE INVERT ELEVATIONS.



COHO BUILDING DRAIN PLAN

SCALE: 1"= 10'



PROFILE

SCALE: 1"= 10'

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

WARNING

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 PLAN AND PROFILE

DESIGNED A. LEMAN

DRAWN J. LAHMON

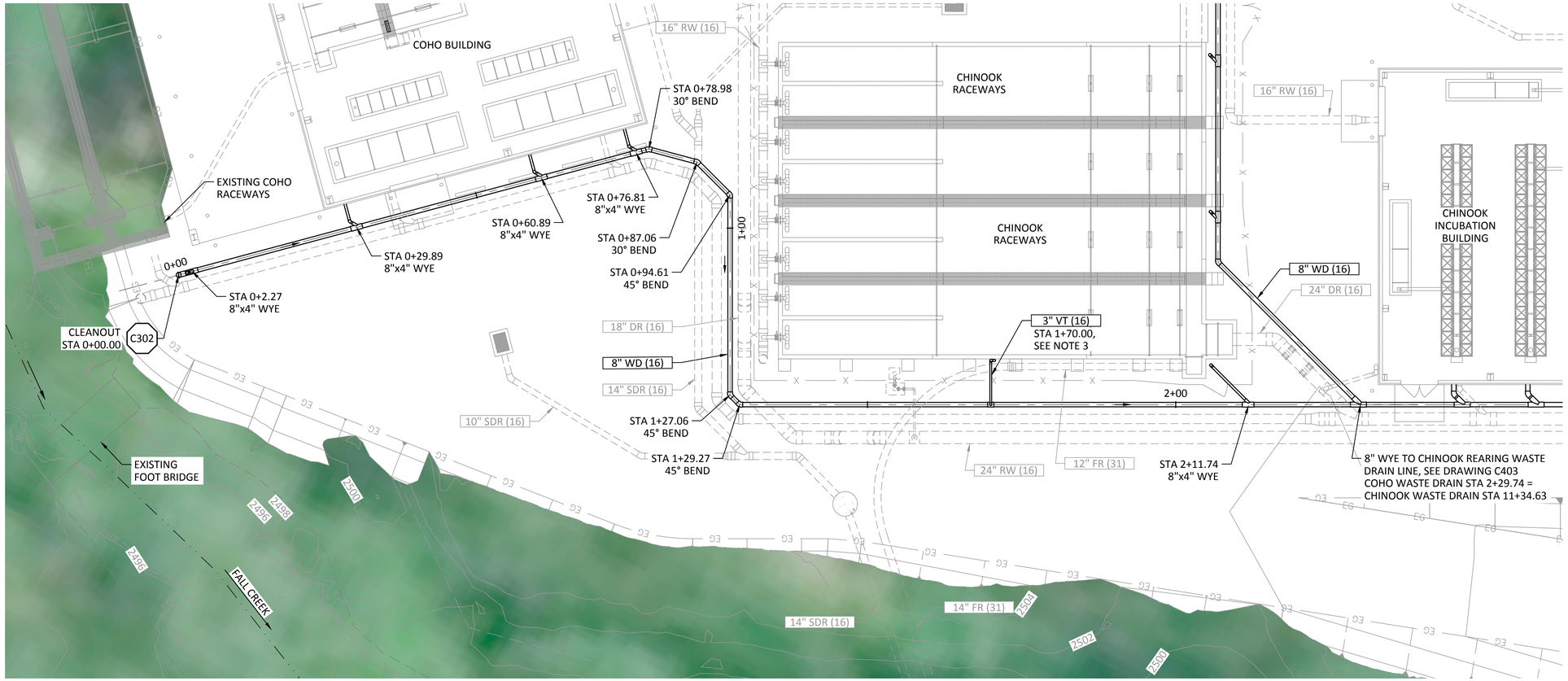
CHECKED V. AUTIER

PROJECT DATE 10/28/20

DRAWING C301

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\C301.dwg Plot date: Oct 28, 2020 01:25pm, CAD User: Guerrero

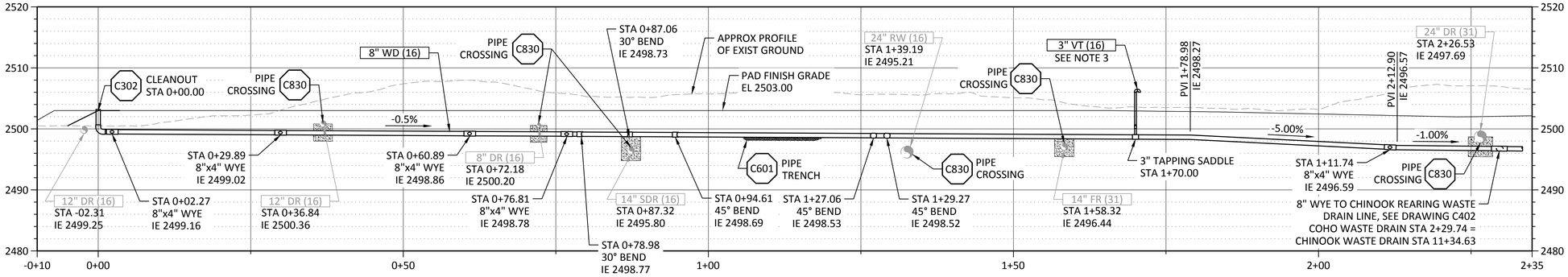


SHEET NOTES:

1. ALL INTERIOR PIPING AND PLUMBING IS SHOWN ON THE MECHANICAL SHEETS.
2. ALL PIPE ELEVATIONS SHOWN ON THIS SHEET ARE INVERT ELEVATIONS.
3. RUN BURIED VENT PIPE TO THE CHINOOK RACEWAY WALL WITH 2.0' MIN COVER, AND ANCHOR VENT RISER TO THE WALL UP TO EL 2506.00 USING PIPE CLAMPS PER MECHANICAL STANDARD DETAIL M901. TERMINATE IN GOOSE NECK (2x90°) WITH SST BIRD SCREEN.

COHO BUILDING WASTE DRAIN PLAN

SCALE: 1"= 10'



PROFILE

SCALE: 1"= 10'

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

WARNING

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

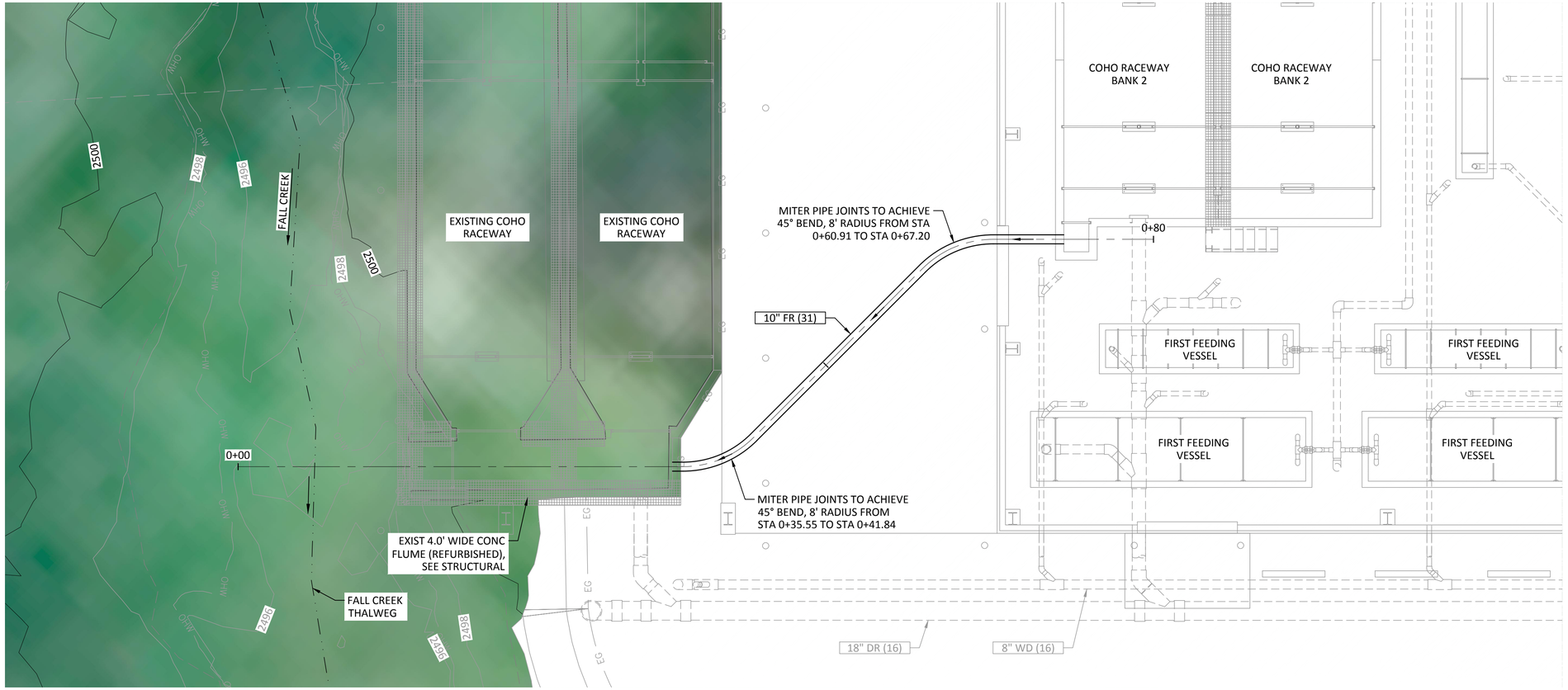
COHO BUILDING
WASTE DRAIN
PLAN AND PROFILE

DESIGNED A. LEMAN
DRAWN J. LAHMON
CHECKED V. AUTIER
PROJECT DATE 10/28/20

DRAWING
C302

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\C302.dwg Plot date: Oct 28, 2020 01:26pm, CAD User: Guerrero

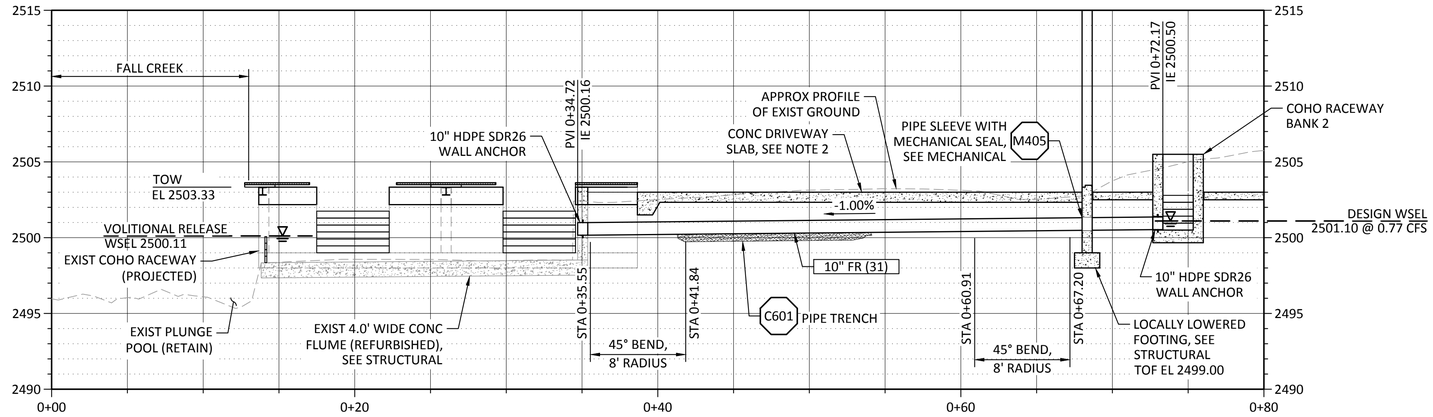


SHEET NOTES:

1. ALL PIPE ELEVATIONS SHOWN ON THIS SHEET ARE INVERT ELEVATIONS.
2. PIPE SHALL MAINTAIN MINIMUM 2.0' COVER TO TOP OF CONC DRIVEWAY SLAB.

COHO BUILDING FISH RELEASE PIPE PLAN

SCALE: 1"= 5'



PROFILE

SCALE: 1"= 5'

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

WARNING

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 FISH RELEASE PIPE PLAN AND PROFILE

DESIGNED A. LEMAN

DRAWN J. LAHMON

CHECKED V. AUTIER

PROJECT DATE 10/28/20

DRAWING

C303

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\C303.dwg Plot date: Oct 28, 2020 01:26pm, CAD User: Guerrero

SHEET NOTES:

1. ALL INTERIOR PIPING AND PLUMBING IS SHOWN ON THE MECHANICAL SHEETS.
2. SUPPLY PIPE TO MAINTAIN MINIMUM 2.0' COVER OVER CROWN OF PIPE ALONG ENTIRE PIPELINE LENGTH. WHERE NOT ATTAINABLE, OR WHERE SHOWN OTHERWISE ON THE PROFILE, PIPE IS TO BE ENCASED IN CLSM PER SPECIFICATION 31 23 00.

CHINOOK RACEWAYS WATER SUPPLY PIPE PLAN

SCALE: 1"= 10'

0" 10' 20'

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

CHINOOK RACEWAYS WATER SUPPLY PLAN

DESIGNED A. LEMAN

DRAWN J. LAHMON

CHECKED V. AUTIER

PROJECT DATE 10/28/20

DRAWING

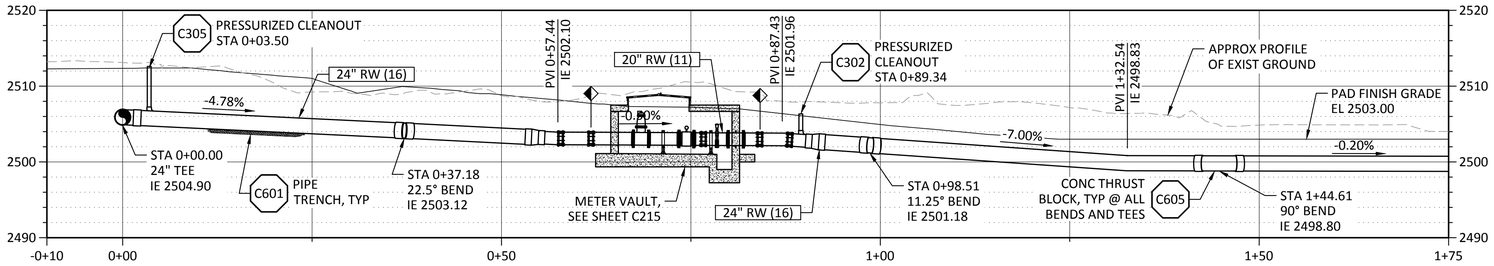
C400

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\C400.dwg Plot date: Oct 28, 2020 01:27pm, CAD User: Guerrero

SHEET NOTES:

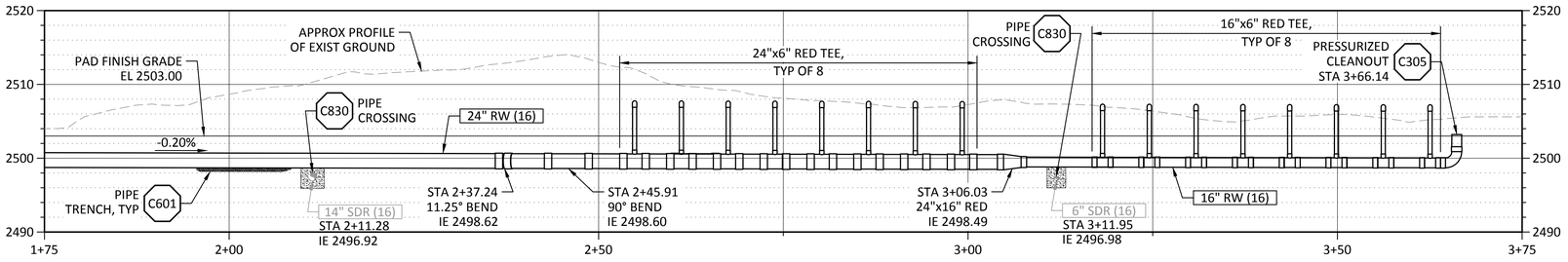
1. ALL INTERIOR PIPING AND PLUMBING IS SHOWN ON THE MECHANICAL SHEETS.
2. SUPPLY PIPE TO MAINTAIN MINIMUM 2.0' COVER OVER CROWN OF PIPE ALONG ENTIRE PIPELINE LENGTH. WHERE NOT ATTAINABLE, OR WHERE SHOWN OTHERWISE ON THE PROFILE, PIPE IS TO BE ENCASED IN CLSM PER SPECIFICATION 31 23 00.
3. ALL ELEVATIONS SHOWN ON THIS SHEET ARE INVERT ELEVATIONS.



PROFILE

SCALE: 1"= 10'

0" 10' 20'



PROFILE

SCALE: 1"= 10'

0" 10' 20'

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

CHINOOK RACEWAYS
WATER SUPPLY
PROFILE

DESIGNED A. LEMAN

DRAWN J. LAHMON

CHECKED V. AUTIER

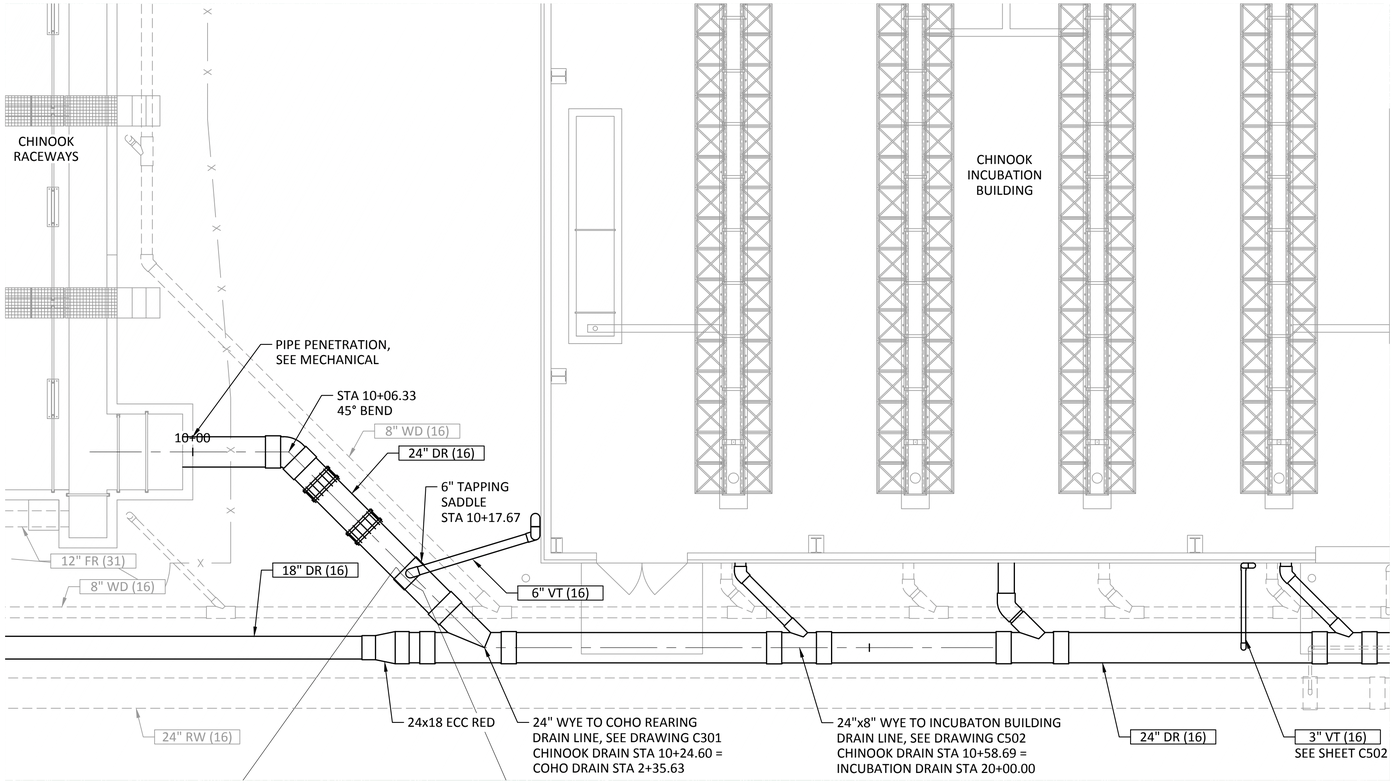
PROJECT DATE 10/28/20

DRAWING

C401

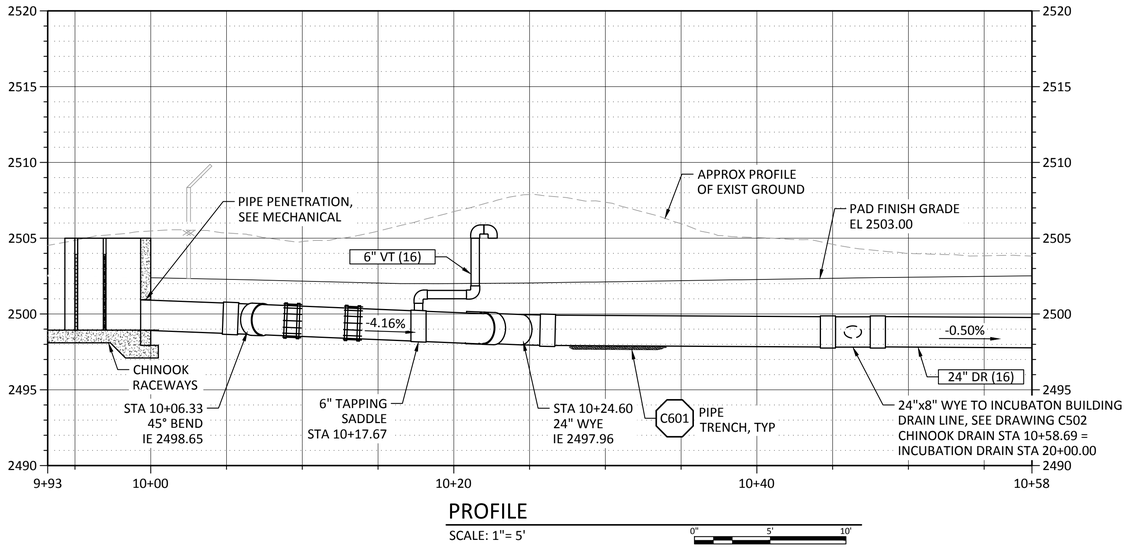
JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\C401.dwg Plot date: Oct 28, 2020 01:28pm, CAD User: Guerrero



CHINOOK RACEWAYS DRAIN PLAN

SCALE: 1"= 5'



PROFILE

SCALE: 1"= 5'

SHEET NOTES:

1. ALL INTERIOR PIPING AND PLUMBING IS SHOWN ON THE MECHANICAL SHEETS.
2. DRAIN PIPE TO MAINTAIN MINIMUM 2.0' COVER OVER CROWN OF PIPE ALONG ENTIRE PIPELINE LENGTH. WHERE NOT ATTAINABLE, OR WHERE SHOWN OTHERWISE ON THE PROFILE, PIPE IS TO BE ENCASED IN CLSM PER SPECIFICATION 31 23 00.
3. ALL PIPE ELEVATIONS SHOWN ON THIS SHEET ARE INVERT ELEVATIONS.
4. RUN BURIED VENT PIPE TO THE INCUBATION BUILDING WALL, AND ANCHOR VENT RISER TO THE WALL UP TO EL 2506.00 USING PIPE CLAMPS PER MECHANICAL STANDARD DETAIL M901. TERMINATE IN GOOSE NECK (2x90° BEND) WITH SST BIRD SCREEN. BACKFILL AROUND VENT PIPE WITH CLSM PER SPECIFICATION 31 23 00.

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

WARNING

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 RACEWAYS DRAIN PLAN AND PROFILE

DESIGNED A. LEMAN

DRAWN J. LAHMON

CHECKED V. AUTIER

PROJECT DATE 10/28/20

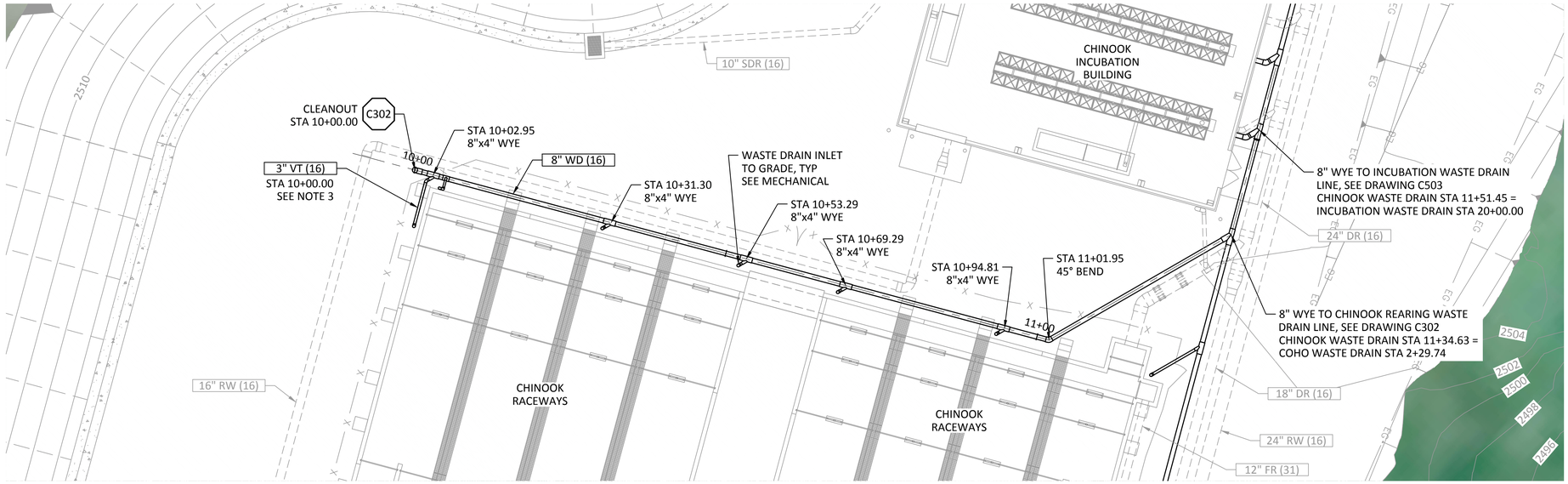
DRAWING C402

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\C402.dwg Plot date: Oct 28, 2020 01:28pm, CAD User: Guerrero

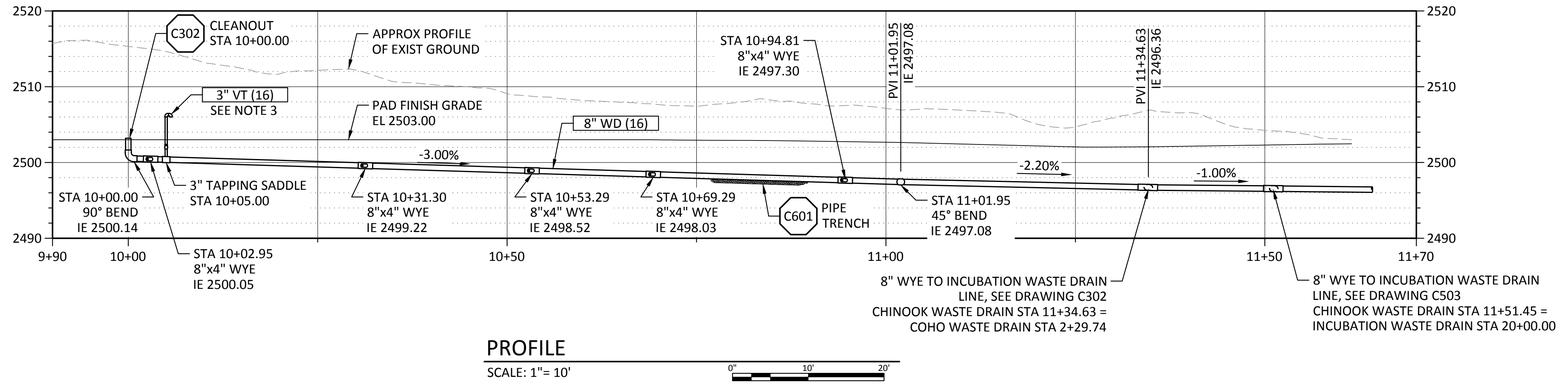
SHEET NOTES:

1. ALL INTERIOR PIPING AND PLUMBING IS SHOWN ON THE MECHANICAL SHEETS.
2. ALL ELEVATIONS SHOWN ON THIS SHEET ARE INVERT ELEVATIONS.
3. RUN BURIED VENT PIPE TO THE CHINOOK RACEWAY WALL WITH 2.0' MIN COVER, AND ANCHOR VENT RISER TO THE WALL UP TO EL 2506.00 USING PIPE CLAMPS PER MECHANICAL STANDARD DETAIL M901. TERMINATE IN GOOSE NECK (2x90° BEND) WITH SST BIRD SCREEN.



CHINOOK RACEWAYS WASTE DRAIN PIPE PLAN

SCALE: 1"= 10'



PROFILE

SCALE: 1"= 10'

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

CHINOOK RACEWAYS WASTE DRAIN PLAN AND PROFILE

DESIGNED A. LEMAN

DRAWN J. LAHMON

CHECKED V. AUTIER

PROJECT DATE 10/28/20

DRAWING

C403

JOB NO: 000000

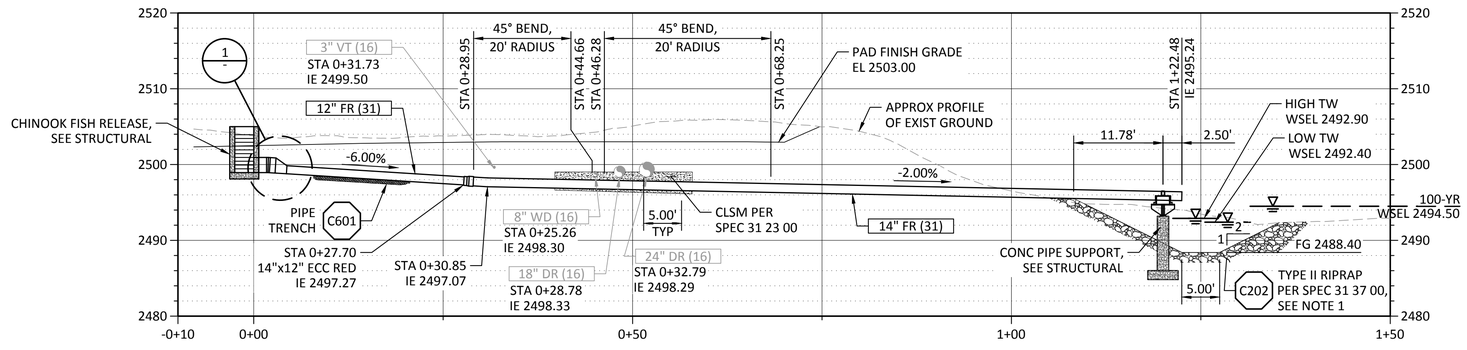
Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\C403.dwg Plot date: Oct 28, 2020 01:29pm, CAD User: Guerrero

SHEET NOTES:

1. RIPRAP MAY BE ACQUIRED FROM MATERIAL AVAILABLE ON-SITE IN NORTH PAD GRADING. EXISTING MATERIAL MAY REQUIRE CRUSHING OR BREAKING PRIOR TO PLACEMENT IN PLUNGE POOL. ALL RIPRAP MATERIAL MUST MEET THE REQUIREMENTS OF SPECIFICATION 31 37 00.
2. ALL ELEVATIONS SHOWN ON THIS SHEET ARE INVERT ELEVATIONS.
3. THE CONTRACTOR IS ADVISED THAT HDPE ECCENTRIC REDUCERS MAY BE SPECIALTY FITTINGS THAT REQUIRE LONG LEAD TIMES.

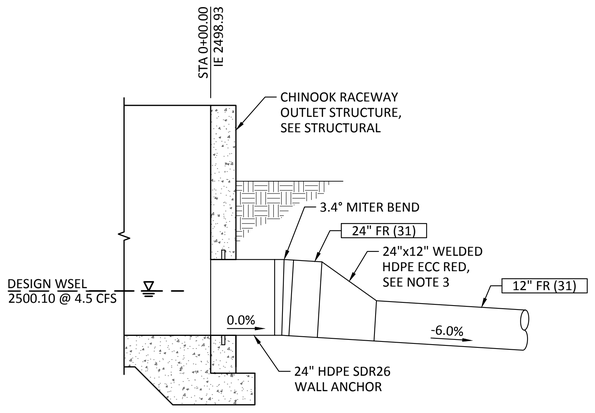
CHINOOK RACEWAYS FISH RELEASE PIPE PLAN

SCALE: 1"= 10'



PROFILE

SCALE: 1"= 10'



CHINOOK RACEWAY OUTLET STRUCTURE TIE-IN DETAIL

SCALE: 1"= 2'

1
-

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

WARNING

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 RACEWAYS
FISH RELEASE PIPE
PLAN AND PROFILE

DESIGNED A. LEMAN
DRAWN J. LAHMON
CHECKED V. AUTIER
PROJECT DATE 10/28/20

DRAWING

C404

JOB NO: 000000

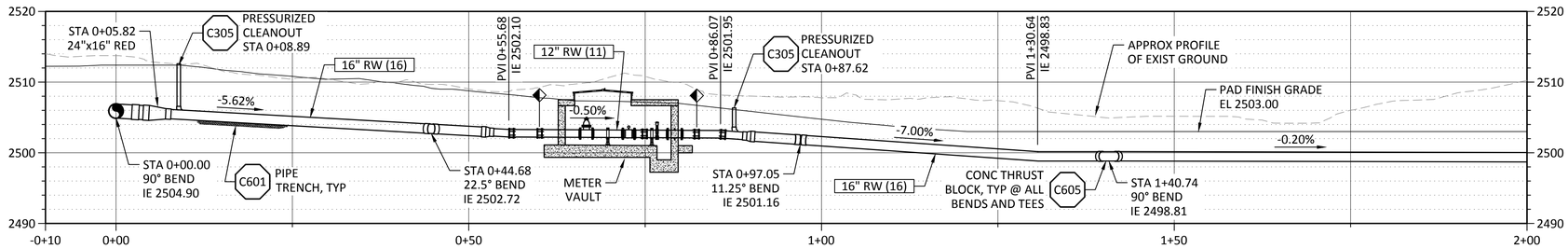
Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\C404.dwg Plot date: Oct 28, 2020 01:30pm, CAD User: Guerrero

SHEET NOTES:

1. ALL INTERIOR PIPING AND PLUMBING IS SHOWN ON THE MECHANICAL SHEETS.
2. SUPPLY PIPE TO MAINTAIN MINIMUM 2.0' COVER OVER CROWN OF PIPE ALONG ENTIRE PIPELINE LENGTH. WHERE NOT ATTAINABLE, OR WHERE SHOWN OTHERWISE ON THE PROFILE, PIPE IS TO BE ENCASED IN CLSM PER SPECIFICATION 31 23 00.
3. ALL ELEVATIONS SHOWN ON THIS SHEET ARE INVERT ELEVATIONS.

INCUBATION BUILDING WATER SUPPLY PLAN

SCALE: 1"= 10'



PROFILE

SCALE: 1"= 10'

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

WARNING

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

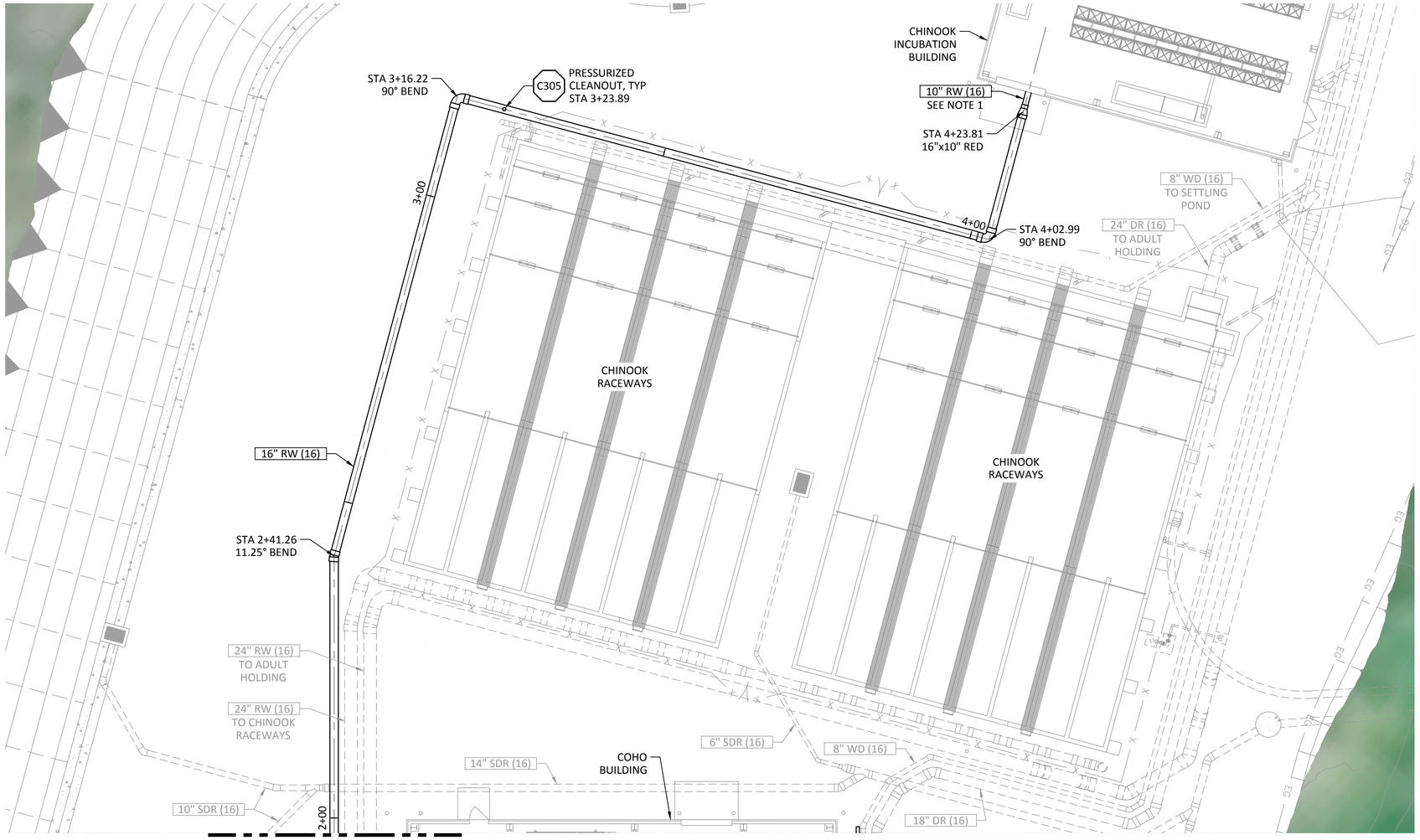
CHINOOK INCUBATION BUILDING
WATER SUPPLY PLAN AND PROFILE 1

DESIGNED A. LEMAN
DRAWN J. LAHMON
CHECKED V. AUTIER
PROJECT DATE 10/28/20

DRAWING
C500

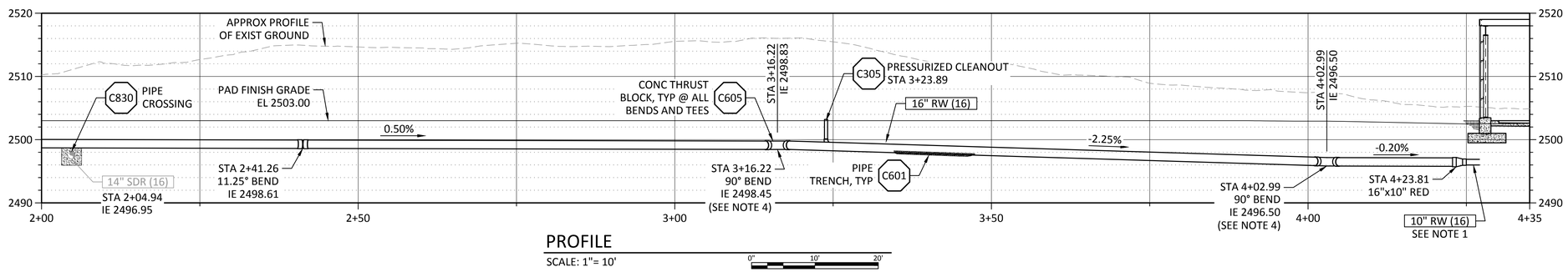
JOB NO: 1000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\C500.dwg Plot date: Oct 28, 2020 01:31pm, CAD User: Guerrero



INCUBATION BUILDING WATER SUPPLY PLAN

SCALE: 1"= 10'



PROFILE

SCALE: 1"= 10'

SHEET NOTES:

1. ALL INTERIOR PIPING AND PLUMBING IS SHOWN ON THE MECHANICAL SHEETS INCLUDING DETAILS FOR PIPES CROSSING UNDER BUILDING FOUNDATIONS AND PIPING UNDER BUILDING SLABS.
2. SUPPLY PIPE TO MAINTAIN MINIMUM 2.0' COVER OVER CROWN OF PIPE ALONG ENTIRE PIPELINE LENGTH. WHERE NOT ATTAINABLE, OR WHERE SHOWN OTHERWISE ON THE PROFILE, PIPE IS TO BE ENCASED IN CLSM PER SPECIFICATION 31 23 00.
3. ALL ELEVATIONS SHOWN ON THIS SHEET ARE INVERT ELEVATIONS.
4. AT STA 3+16.21, ROTATE 90° BEND DOWN AT 1.2° TO HORIZONTAL TO ACHIEVE SLOPE, AS SHOWN. AT STA 4+02.97 ROTATE 90° BEND BACK TO -0.20% SLOPE.

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

WARNING

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

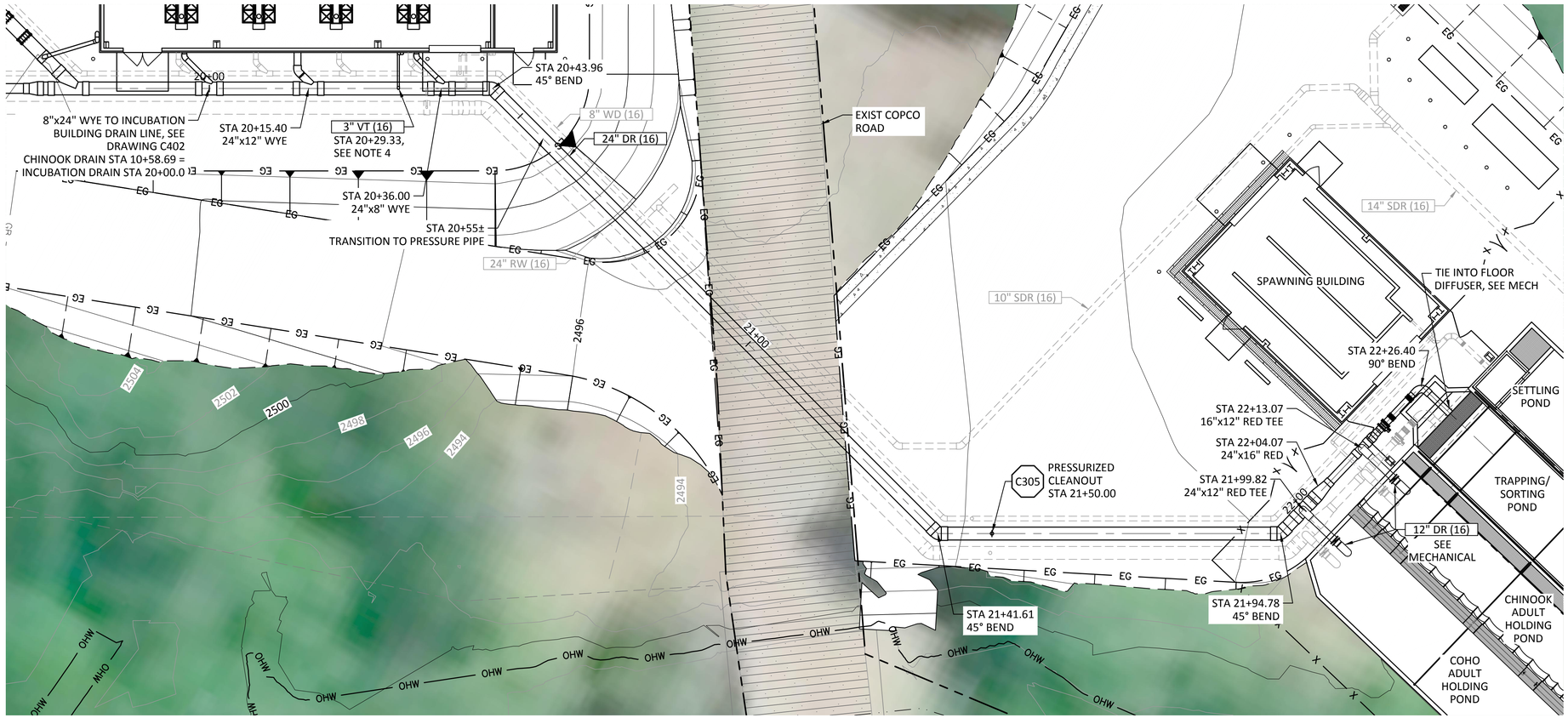
CHINOOK INCUBATION BUILDING
WATER SUPPLY PLAN AND PROFILE 2

DESIGNED A. LEMAN
DRAWN J. LAHMON
CHECKED V. AUTIER
PROJECT DATE 10/28/20

DRAWING
C501

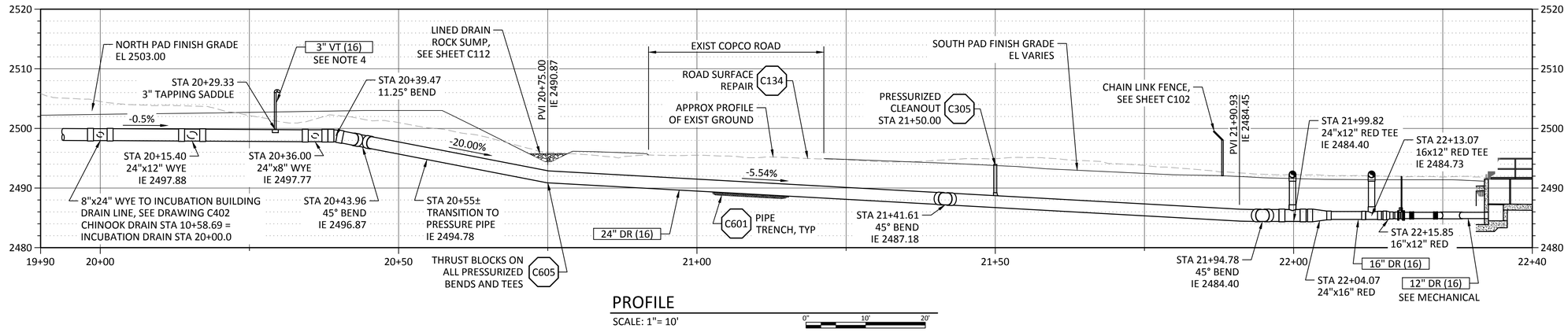
JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\C501.dwg Plot date: Oct 28, 2020 01:32pm, CAD User: Guerrero



INCUBATION BUILDING DRAIN PLAN

SCALE: 1"= 10'



PROFILE

SCALE: 1"= 10'

SHEET NOTES:

1. ALL INTERIOR PIPING AND PLUMBING IS SHOWN ON THE MECHANICAL SHEETS.
2. DRAIN PIPE TO MAINTAIN MINIMUM 2.0' COVER OVER CROWN OF PIPE ALONG ENTIRE PIPELINE LENGTH. WHERE NOT ATTAINABLE, OR WHERE SHOWN OTHERWISE ON THE PROFILE, PIPE IS TO BE ENCASED IN CLSM PER SPECIFICATION 31 23 00.
3. ALL PIPE ELEVATIONS SHOWN ON THIS SHEET ARE INVERT ELEVATIONS.
4. RUN BURIED VENT PIPE TO THE INCUBATION BUILDING WALL WITH 2.0' MIN COVER, AND ANCHOR VENT PIPE RISER TO THE WALL UP TO ELEV 2506.0 USING PIPE CLAMPS PER MECHANICAL STANDARD DETAIL M901. TERMINATE IN GOOSE NECK (2x90° BEND) WITH STAINLESS STEEL BIRD SCREEN.

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

CHINOOK INCUBATION BUILDING DRAIN PLAN AND PROFILE

DESIGNED A. LEMAN

DRAWN J. LAHMON

CHECKED V. AUTIER

PROJECT DATE 10/28/20

DRAWING

C502

JOB NO: 000000

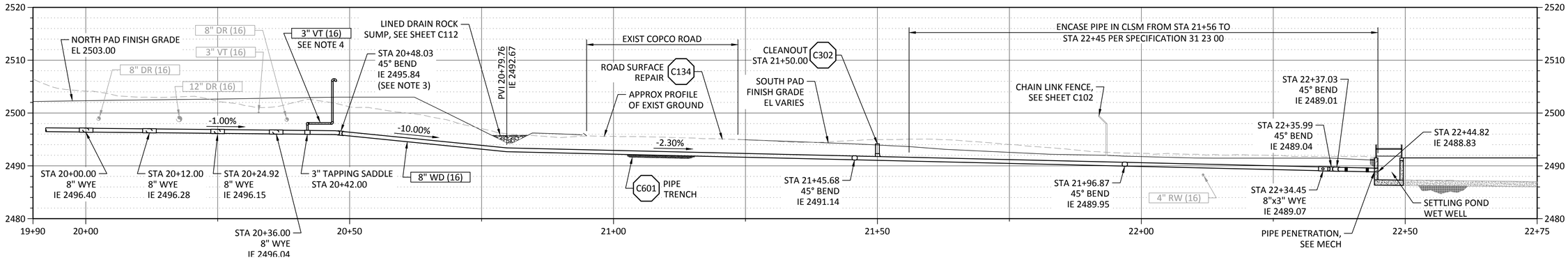
Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\C502.dwg Plot date: Oct 28, 2020 01:32pm, CAD User: Guerrero

INCUBATION BUILDING WASTE DRAIN PLAN

SCALE: 1"= 10'

SHEET NOTES:

1. ALL INTERIOR PIPING AND WET WELL PLUMBING IS SHOWN ON THE MECHANICAL SHEETS.
2. ALL PIPE ELEVATIONS SHOWN ON THIS SHEET ARE INVERT ELEVATIONS.
3. ORIENT THE 45° BEND DOWN AT 5.1° TO HORIZONTAL TO ACHIEVE THE 10.0% SLOPE, AS INDICATED.
4. RUN BURIED VENT PIPE TO THE INCUBATION BUILDING WALL WITH 2.0' MIN COVER, AND ANCHOR VENT RISER TO THE WALL UP TO EL 2506.00 USING PIPE CLAMPS PER MECHANICAL STANDARD DETAIL M901. TERMINATE IN GOOSE NECK (2x90° BEND) WITH SST BIRD SCREEN.



PROFILE

SCALE: 1"= 10'

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

CHINOOK INCUBATION BUILDING
WASTE DRAIN PLAN AND PROFILE

DESIGNED A. LEMAN

DRAWN J. LAHMON

CHECKED V. AUTIER

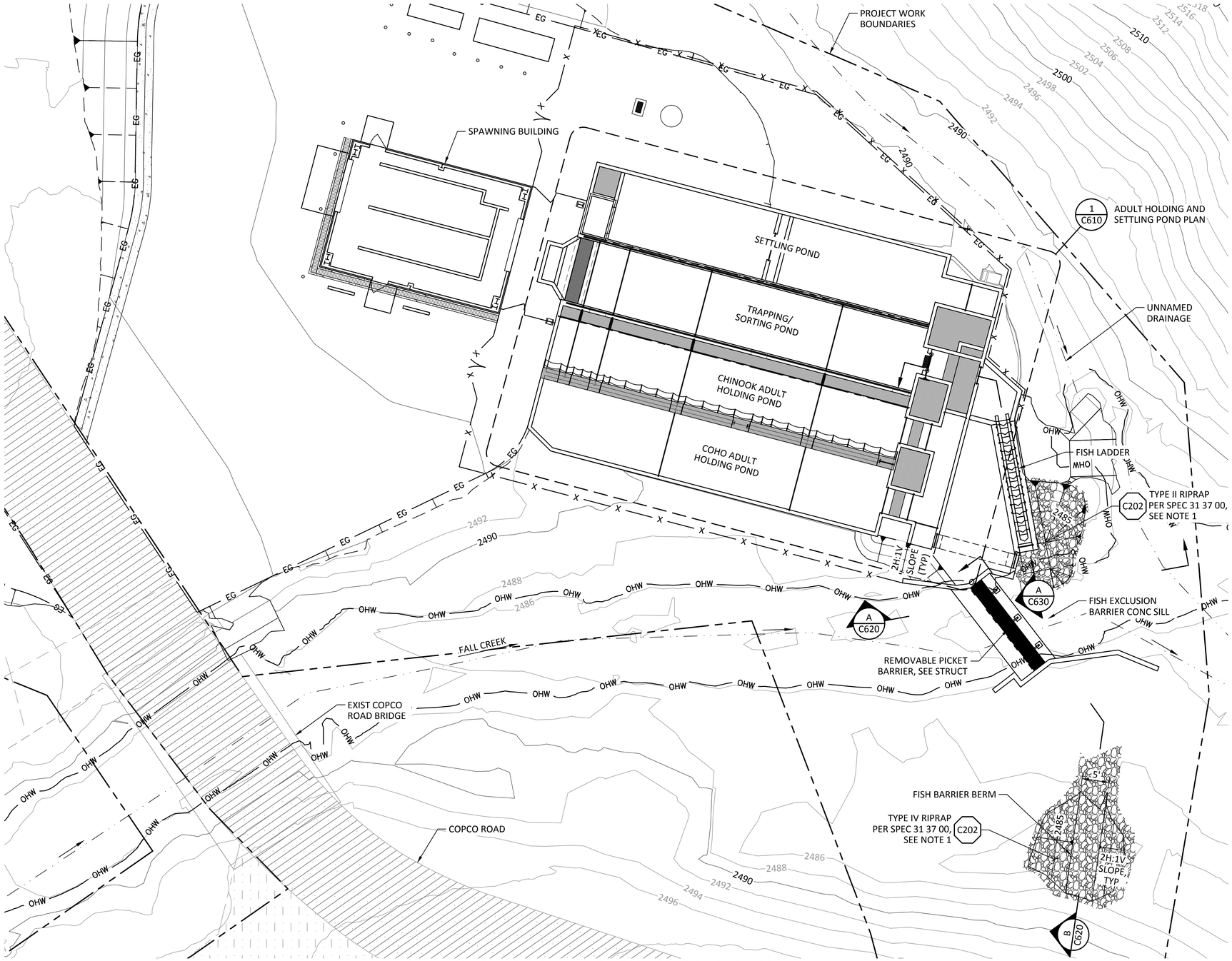
PROJECT DATE 10/28/20

DRAWING

C503

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\C503.dwg Plot date: Oct 28, 2020 01:33pm, CAD User: Guerrero



SPAWNING BUILDING, ADULT HOLDING, FISH BARRIER, AND FISH LADDER SITE LAYOUT

SCALE: 1"= 10'

0" 10' 20'

SHEET NOTES:

1. RIPRAP MAY BE ACQUIRED FROM MATERIAL AVAILABLE ON-SITE IN NORTH PAD GRADING. EXISTING MATERIAL MAY REQUIRE CRUSHING OR BREAKING PRIOR TO PLACEMENT. ALL RIPRAP MUST MEET THE REQUIREMENTS OF SPECIFICATION 31 37 00.

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

SPAWNING BUILDING, ADULT HOLDING, FISH BARRIER AND FISH LADDER SITE LAYOUT

DESIGNED A. LEMAN

DRAWN J. LAHMON

CHECKED V. AUTIER

PROJECT DATE 10/28/20

DRAWING

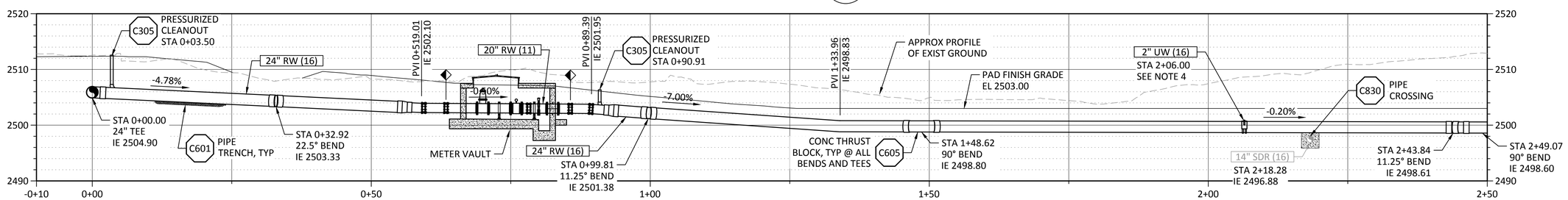
C600

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\C600.dwg Plot date: Oct 28, 2020 01:34pm, CAD User: Guerrero

ADULT HOLDING WATER SUPPLY PLAN

SCALE: 1"= 10'



PROFILE

SCALE: 1"= 10'

SHEET NOTES:

1. ALL INTERIOR PIPING AND PLUMBING IS SHOWN ON THE MECHANICAL SHEETS.
2. SUPPLY PIPE TO MAINTAIN MINIMUM 2.0' COVER OVER CROWN OF PIPE ALONG ENTIRE PIPELINE LENGTH. WHERE NOT ATTAINABLE, OR WHERE SHOWN OTHERWISE ON THE PROFILE, PIPE IS TO BE ENCASED IN CLSM PER SPECIFICATION 31 23 00.
3. ALL ELEVATIONS SHOWN ON THIS SHEET ARE INVERT ELEVATIONS.
4. PROVIDE 2" DOUBLE STRAP D.I. SERVICE SADDLE AT STATION 2+06.00, AND RUN UTILITY WATER LINE TO COHO BUILDING PER MECHANICAL. 2" UW LINE SHALL MAINTAIN 2.0' COVER OVER CROWN OF PIPE.

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

WARNING

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

ADULT HOLDING
WATER SUPPLY
PLAN AND PROFILE 1

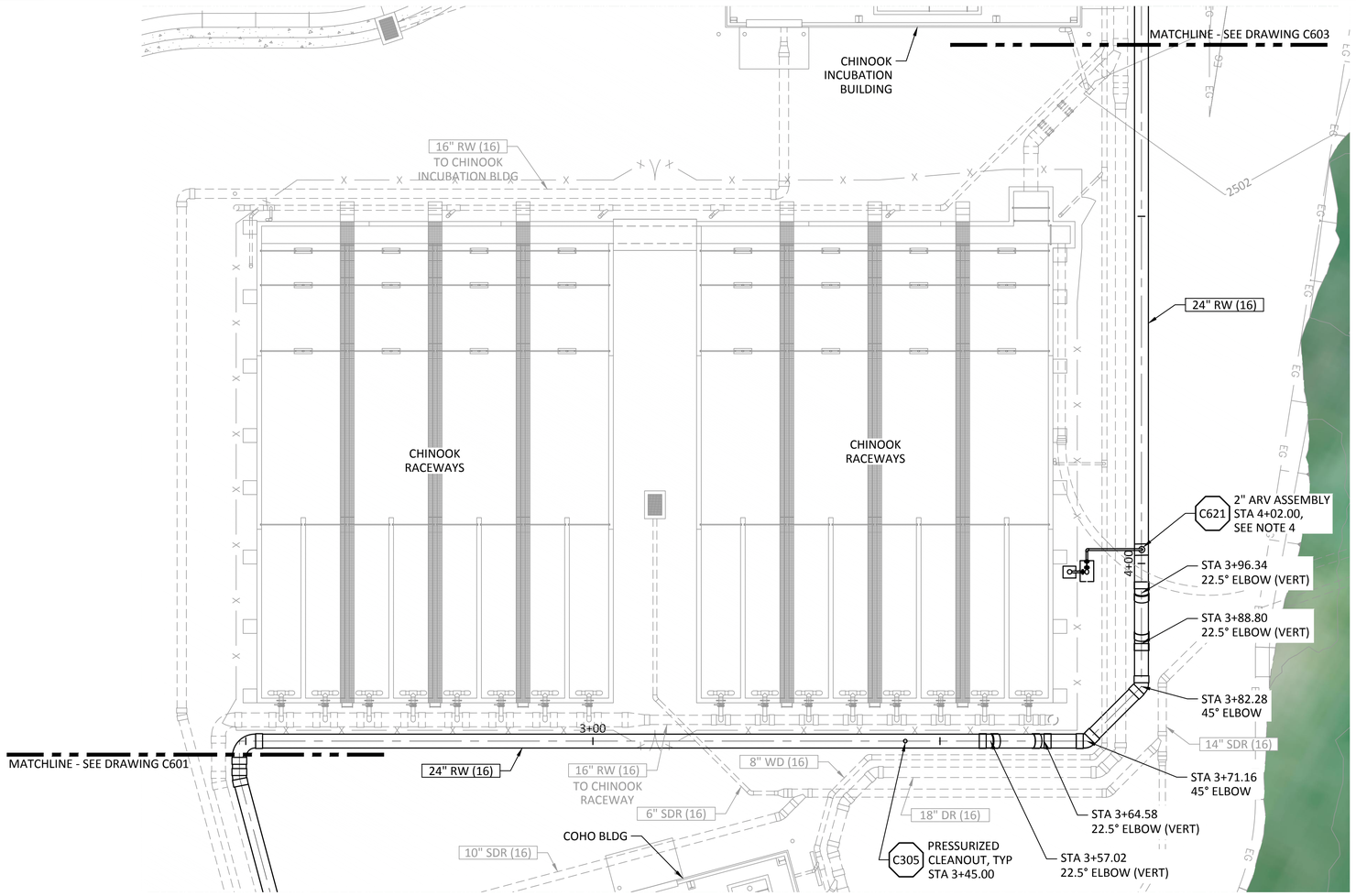
DESIGNED A. LEMAN
DRAWN J. LAHMON
CHECKED V. AUTIER
PROJECT DATE 10/28/20

DRAWING

C601

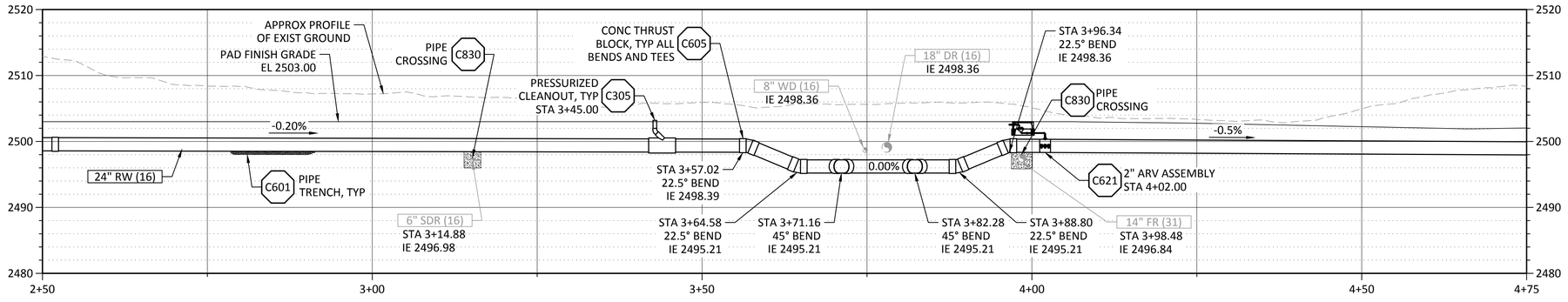
JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\C601.dwg Plot date: Oct 28, 2020 01:34pm, CAD User: Guerrero



ADULT HOLDING WATER SUPPLY PLAN

SCALE: 1"= 10'



PROFILE

SCALE: 1"= 10'

SHEET NOTES:

1. ALL INTERIOR PIPING AND PLUMBING IS SHOWN ON THE MECHANICAL SHEETS.
2. SUPPLY PIPE TO MAINTAIN MINIMUM 2.0' COVER OVER CROWN OF PIPE ALONG ENTIRE PIPELINE LENGTH. WHERE NOT ATTAINABLE, OR WHERE SHOWN OTHERWISE ON THE PROFILE, PIPE IS TO BE ENCASED IN CLSM PER SPECIFICATION 31 23 00.
3. ALL ELEVATIONS SHOWN ON THIS SHEET ARE INVERT ELEVATIONS.
4. FOR 2" ARV ASSEMBLY, LOCATE TRAFFIC-RATED CONCRETE BOX WITH ARV ADJACENT TO, BUT OUTSIDE OF THE FENCE AT GRADE WITH THE SURROUNDING GRAVEL ROAD SURFACING. LOCATE THE VENT RISER PIPE IMMEDIATELY INSIDE THE FENCE, APPROX AS SHOWN.

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

ADULT HOLDING WATER SUPPLY PLAN AND PROFILE 2

DESIGNED A. LEMAN

DRAWN J. LAHMON

CHECKED V. AUTIER

PROJECT DATE 10/28/20

DRAWING

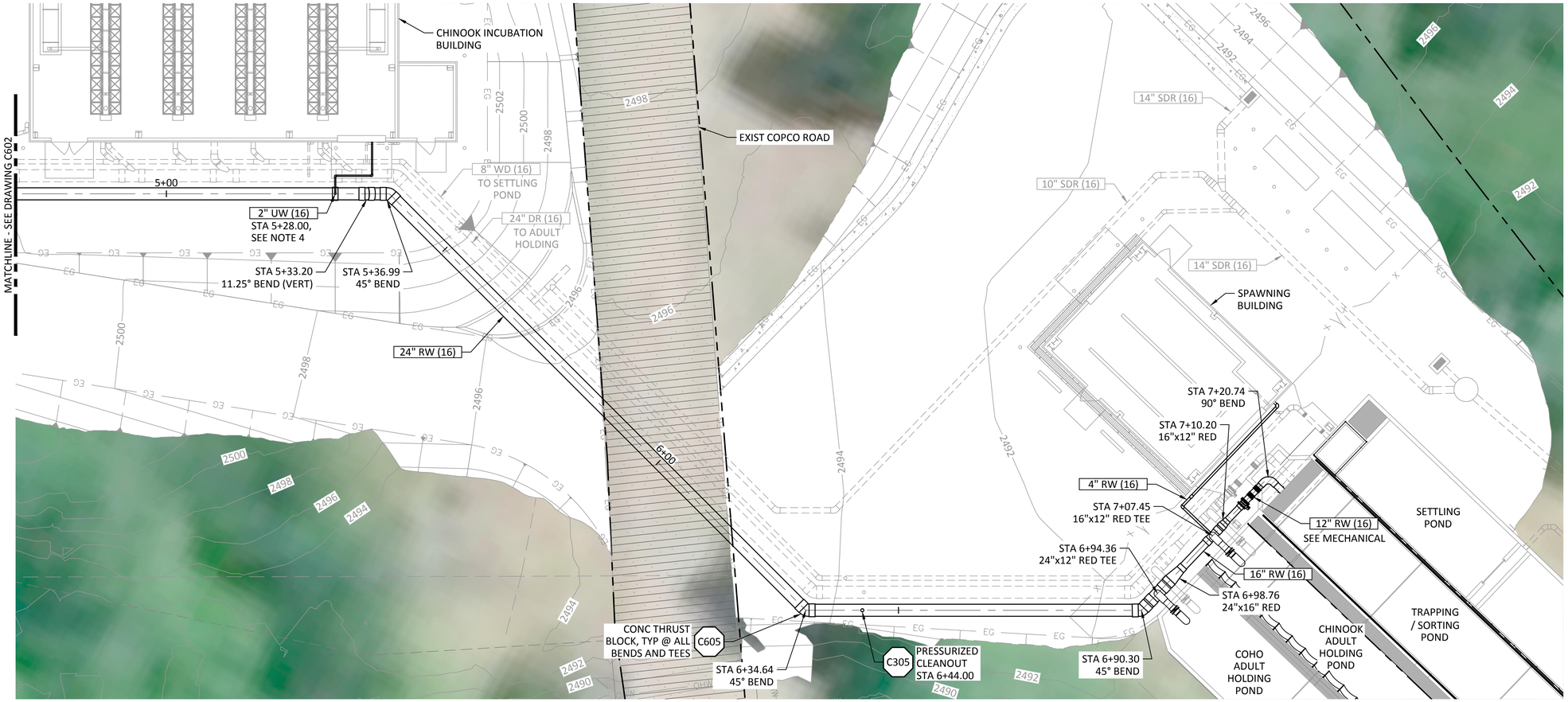
C602

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\C602.dwg Plot date: Oct 28, 2020 01:35pm, CAD User: Guerrero

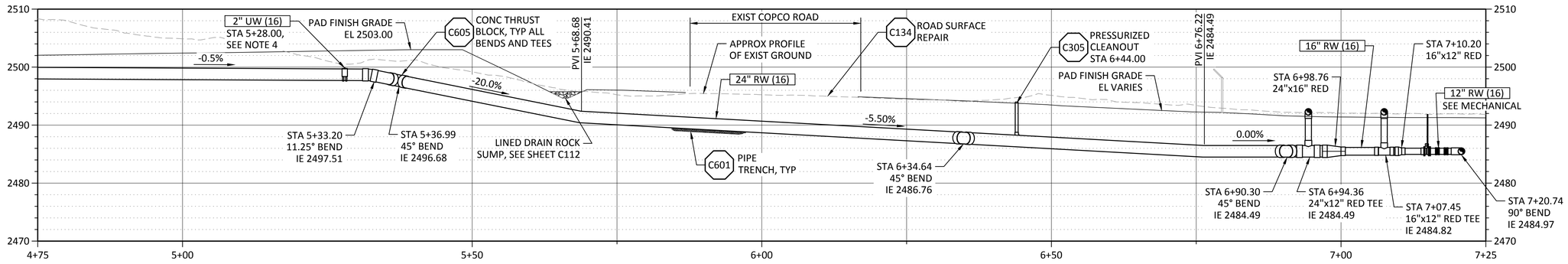
SHEET NOTES:

1. ALL INTERIOR PIPING AND PLUMBING IS SHOWN ON THE MECHANICAL SHEETS.
2. SUPPLY PIPE TO MAINTAIN MINIMUM 2.0' COVER OVER CROWN OF PIPE ALONG ENTIRE PIPELINE LENGTH. WHERE NOT ATTAINABLE, OR WHERE SHOWN OTHERWISE ON THE PROFILE, PIPE IS TO BE ENCASED IN CLSM PER SPECIFICATION 31 23 00.
3. ALL ELEVATIONS SHOWN ON THIS SHEET ARE INVERT ELEVATIONS.
4. PROVIDE 2" DOUBLE STRAP D.I. SERVICE SADDLE AT STATION 5+28.00, AND RUN UTILITY WATER LINE TO CHINOOK INCUBATION BUILDING PER MECHANICAL. 2" UW LINE SHALL MAINTAIN 2.0' COVER OVER CROWN OF PIPE.



ADULT HOLDING WATER SUPPLY PLAN

SCALE: 1"= 10'



PROFILE

SCALE: 1"= 10'

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

ADULT HOLDING WATER SUPPLY PLAN AND PROFILE 3

DESIGNED A. LEMAN

DRAWN J. LAHMON

CHECKED V. AUTIER

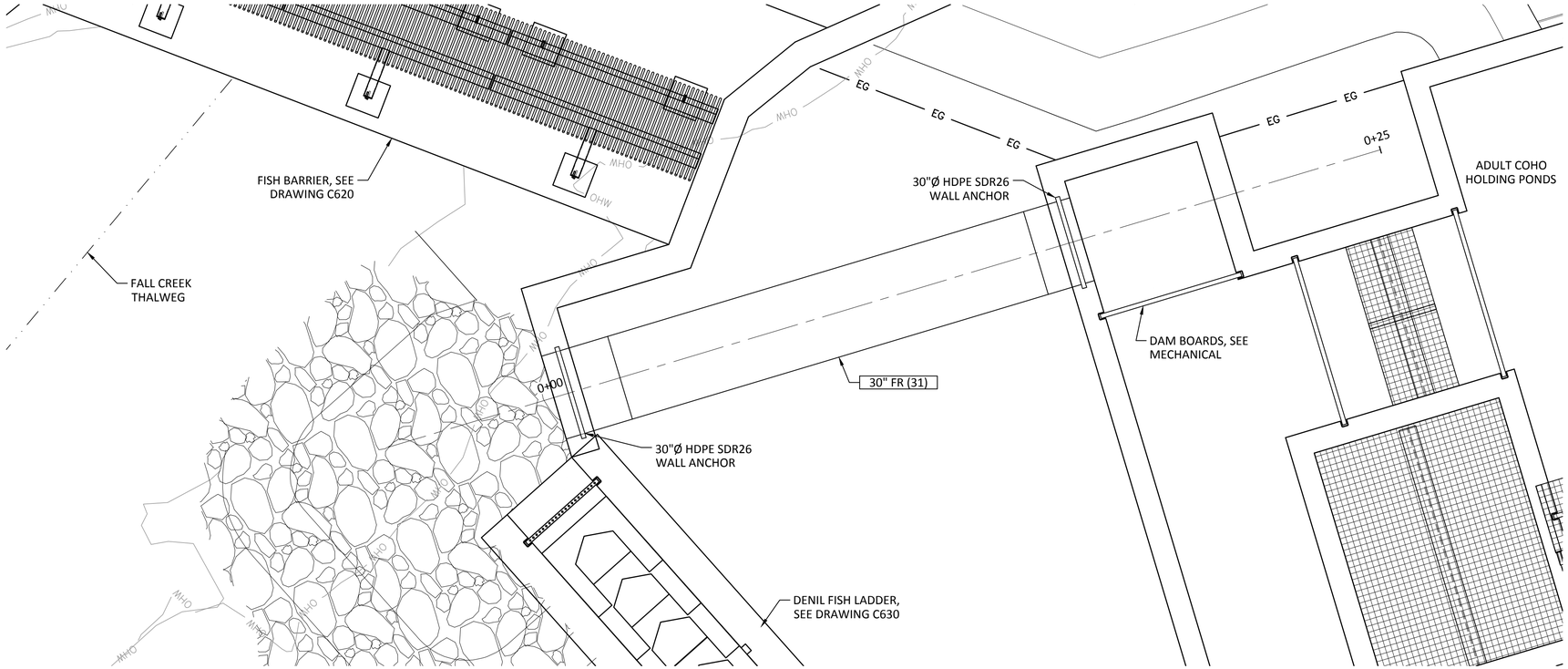
PROJECT DATE 10/28/20

DRAWING

C603

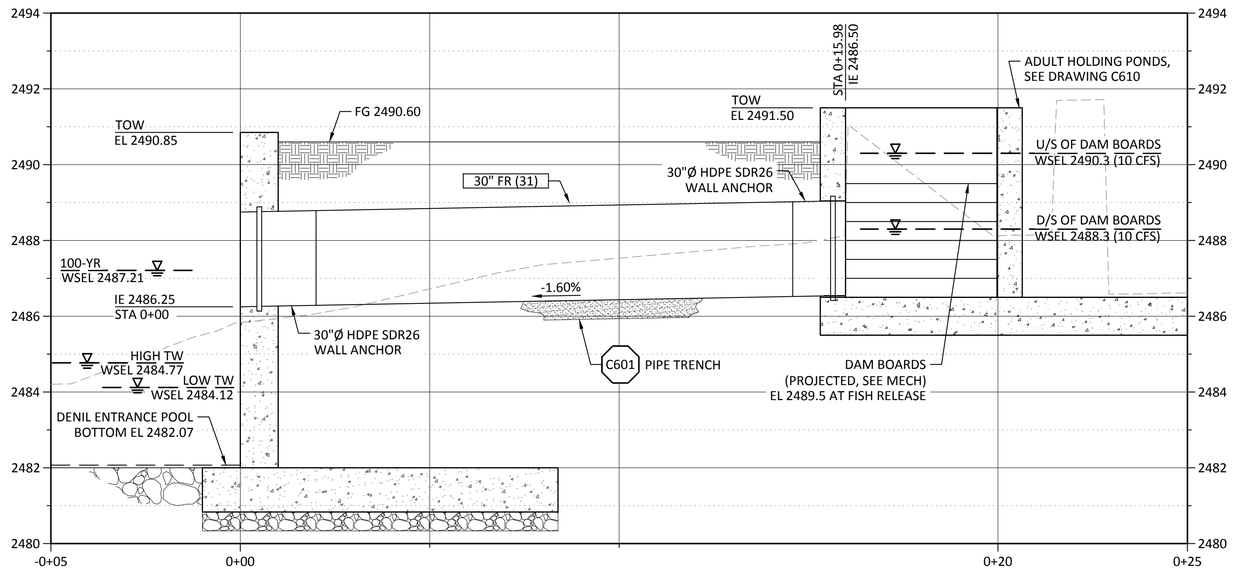
JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\C603.dwg Plot date: Oct 28, 2020 01:36pm, CAD User: Guerrero



ADULT HOLDING FISH RELEASE PIPE PLAN

SCALE: 1"= 2'



PROFILE

SCALE: 1"= 2'

SHEET NOTES:

1. ALL PIPE ELEVATIONS SHOWN ON THIS SHEET ARE INVERT ELEVATIONS.

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

WARNING

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

ADULT HOLDING FISH RELEASE PIPE PLAN AND PROFILE

DESIGNED A. LEMAN

DRAWN J. LAHMON

CHECKED V. AUTIER

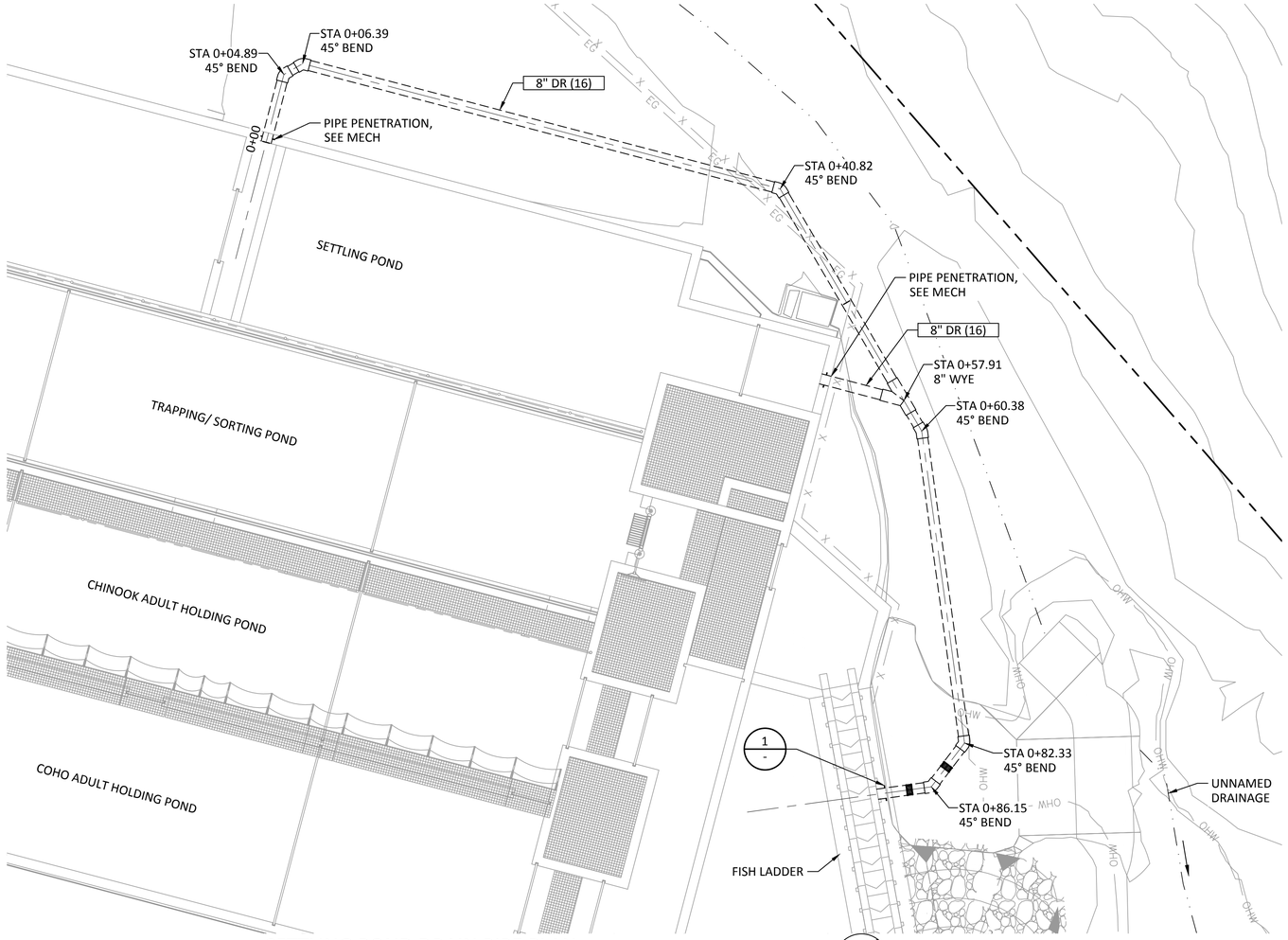
PROJECT DATE 10/28/20

DRAWING

C604

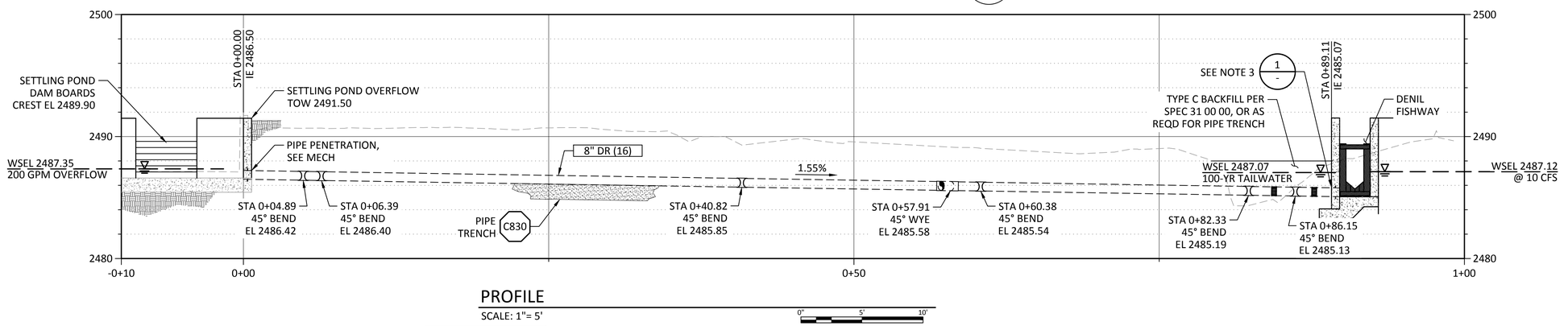
JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\C604.dwg Plot date: Oct 28, 2020 01:36pm, CAD User: Guerrero



SETTLING POND DRAIN PIPE PLAN

SCALE: 1"= 5'

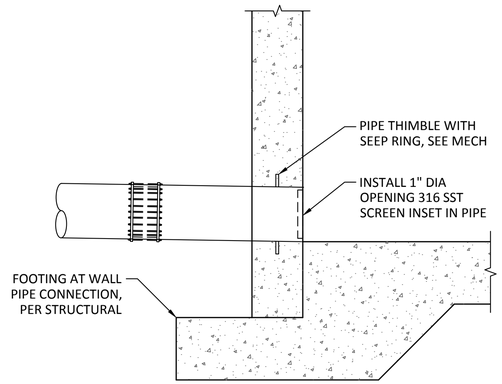


PROFILE

SCALE: 1"= 5'

SHEET NOTES:

1. DRAIN PIPE TO MAINTAIN MINIMUM 2.0' COVER OVER CROWN OF PIPE ALONG ENTIRE PIPELINE LENGTH. WHERE NOT ATTAINABLE, OR WHERE SHOWN OTHERWISE ON THE PROFILES, PIPE IS TO BE ENCASED IN CLSM PER SPECIFICATION 31 23 00.
2. ALL PIPE ELEVATIONS SHOWN ON THIS SHEET ARE INVERT ELEVATIONS.
3. TIE-IN TO DENIL FISH LADDER SUCH THAT PIPE OPENING IS BETWEEN BAFFLE SLOTS, AND THERE IS NO INTERFERENCE WITH THE PIPE DISCHARGE.



DENIL TIE-IN DETAIL

SCALE: 12"= 1'-0"

1
-

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

SETTLING POND
DRAIN PIPE
PLAN AND PROFILE

DESIGNED A. LEMAN

DRAWN J. LAHMON

CHECKED V. AUTIER

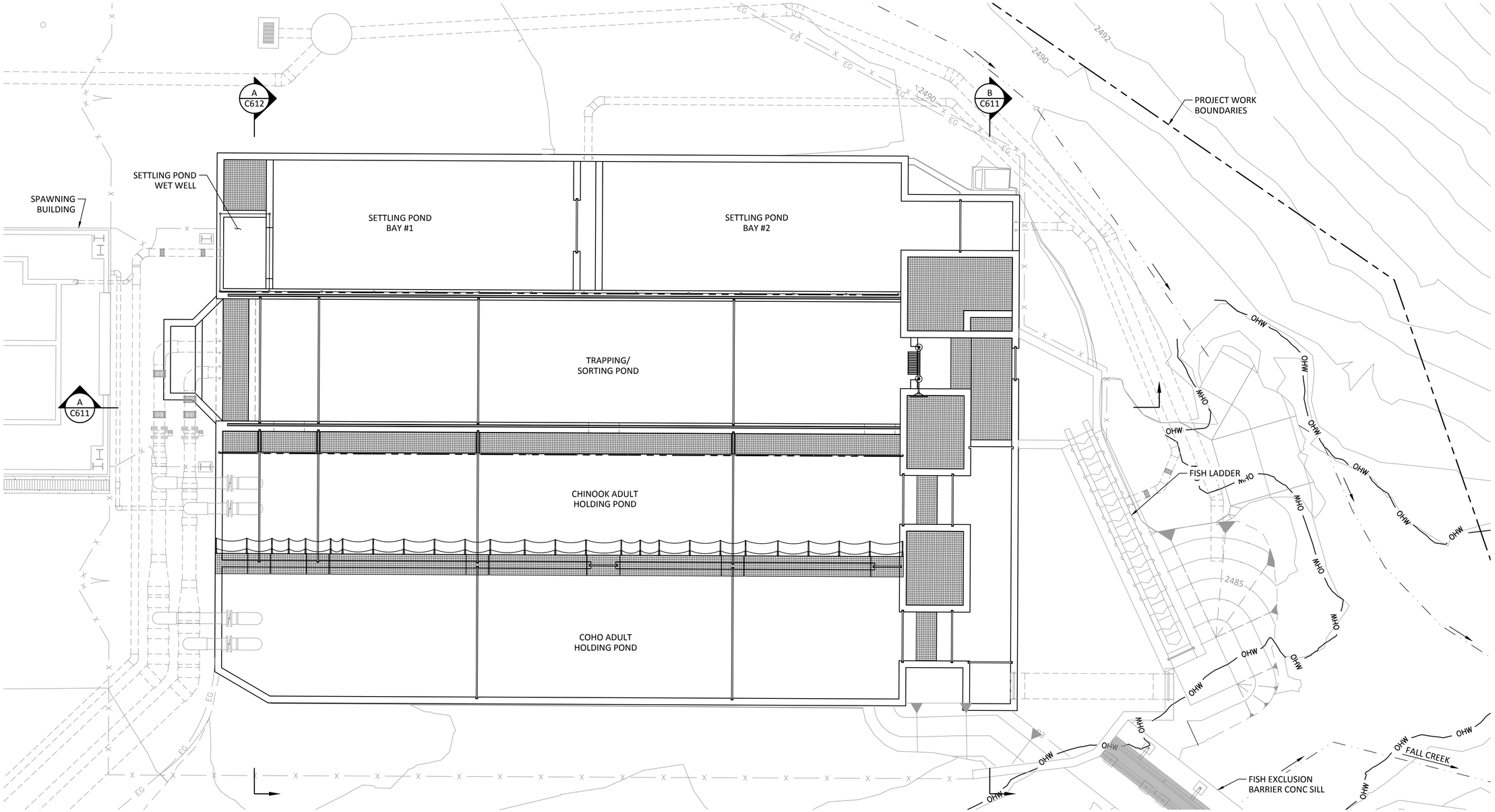
PROJECT DATE 10/28/20

DRAWING

C605

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\C605.dwg Plot date: Oct 28, 2020 01:37pm, CAD User: Guerrero



ADULT HOLDING AND SETTLING POND PLAN

SCALE: 1"= 5'

0" 5' 10'

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

ADULT HOLDING AND SETTLING PONDS PLAN

DESIGNED A. LEMAN

DRAWN J. LAHMON

CHECKED V. AUTIER

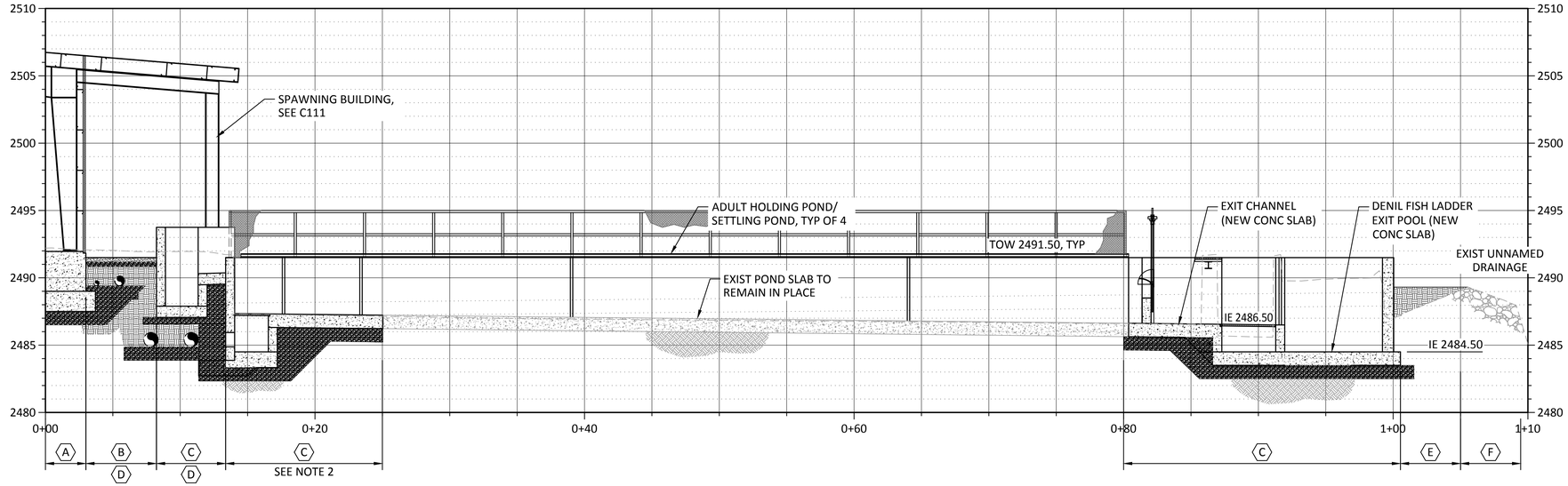
PROJECT DATE 10/28/20

DRAWING

C610

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\C610.dwg Plot date: Oct 28, 2020 01:38pm, CAD User: Guerrero

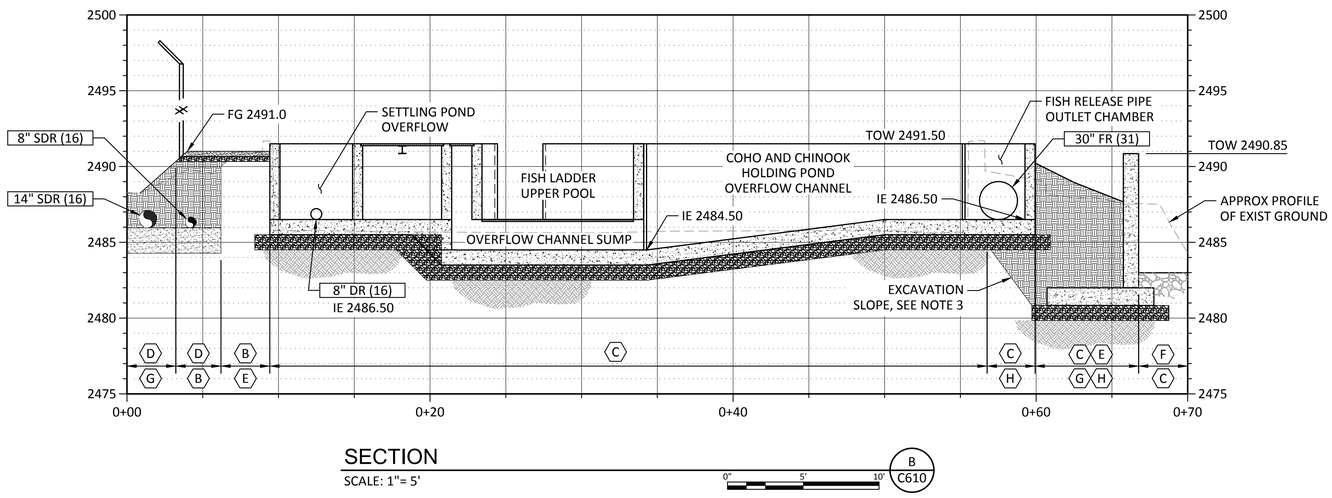


SECTION

SCALE: 1"= 5'

0" 5' 10'

A C610



SECTION

SCALE: 1"= 5'

0" 5' 10'

B C610

SHEET NOTES:

1. ALL EARTHWORKS MATERIALS ARE TO BE PLACED AND COMPACTED ACCORDING TO SPECIFICATION 31 00 00.
2. SLAB WILL BE DEMOLISHED LOCALLY AT THE UPSTREAM END OF THE EXISTING TRAPPING AND SORTING POND FOR CONSTRUCTION OF THE DIFFUSER BOX. WHERE THE SLAB IS TO BE LOCALLY RECONSTRUCTED, PLACE 6" THICK TYPE DRG FILL UNDER THE CONCRETE SLAB.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING SAFE WORKING SLOPES BASED ON WORKING CONDITIONS, SOIL TYPE, MOISTURE CONTENT, ETC. ALL SLOPES SHALL MEET LOCAL, STATE, AND FEDERAL (OSHA) REQUIREMENTS.

SHEET KEY NOTES:

- A 18" THICK TYPE SF FILL UNDER BUILDING FOOTINGS, AND 6" THICK TYPE SF FILL UNDER SLABS. EXTEND BEYOND 18" ALL SIDES.
- B GENERAL GRAVEL SURFACING PER C135
- C 6" THICK TYPE DRG FILL UNDER POND SLABS AND WATER RETAINING STRUCTURES, EXTEND BEYOND 3.0' ALL SIDES.
- D PIPE TRENCH PER C601.
- E BACKFILL WITH TYPE C FILL.
- F RESTORE CREEK BED WITH NATIVE MATERIAL FROM EXCAVATION / COBBLE FILL.
- G PLACE FINAL 6" WITH TOPSOIL AND REVEGETATE.
- H BACKFILL EXCAVATIONS WITH TYPE SF FILL WHERE BACKFILL IS WITHIN 45° INFLUENCE ZONE OF NEW STRUCTURE (IE DISTANCE FROM STRUCTURE IS LESS THAN DEPTH BELOW BOTTOM OF STRUCTURE).

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

ADULT HOLDING AND SETTLING PONDS SECTIONS AND DETAILS 1

DESIGNED A. LEMAN

DRAWN J. LAHMON

CHECKED V. AUTIER

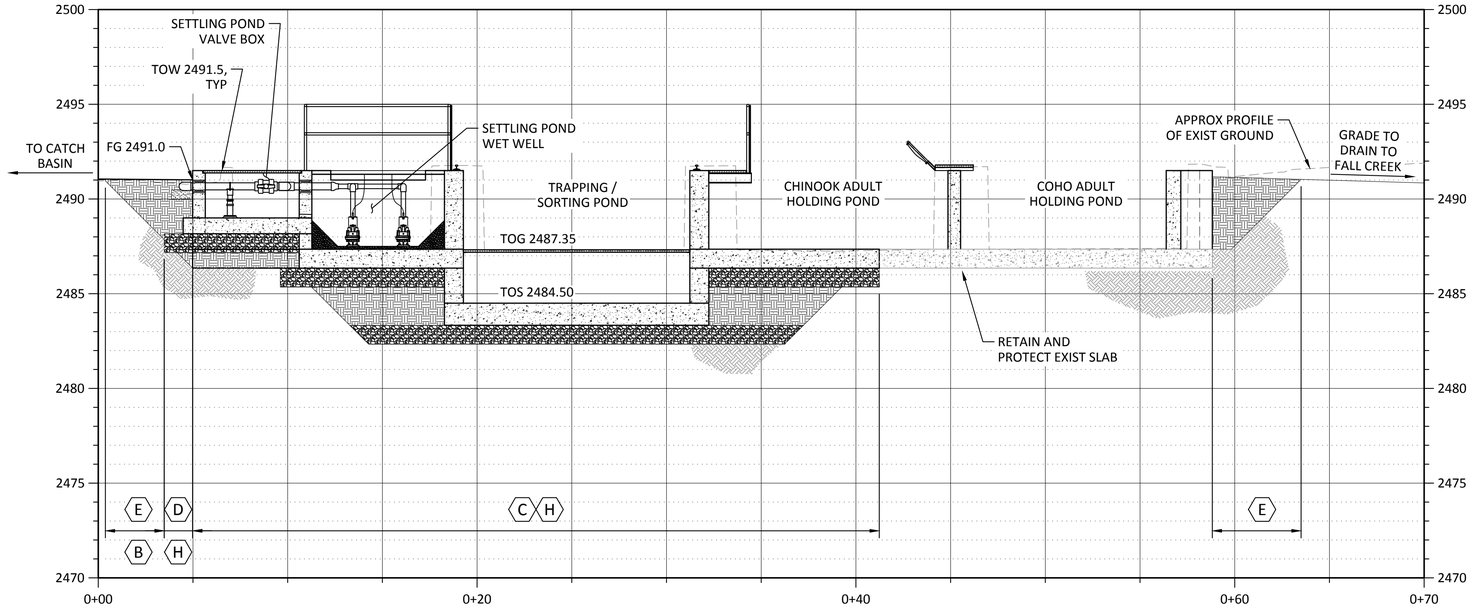
PROJECT DATE 10/28/20

DRAWING

C611

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\C611.dwg Plot date: Oct 28, 2020 01:38pm, CAD User: Guerrero



SECTION

SCALE: 1" = 4'

0" 4' 8'

A C610

SHEET NOTES:

1. ALL EARTHWORKS MATERIALS ARE TO BE PLACED AND COMPACTED ACCORDING TO SPECIFICATION 31 00 00.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING SAFE WORKING SLOPES BASED ON WORKING CONDITIONS, SOIL TYPE, MOISTURE CONTENT, ETC. ALL SLOPES SHALL MEET LOCAL, STATE, AND FEDERAL (OSHA) REQUIREMENTS.

SHEET KEY NOTES:

A 18" THICK TYPE SF FILL UNDER BUILDING FOOTINGS, AND 6" THICK TYPE SF FILL UNDER SLABS. EXTEND BEYOND 18" ALL SIDES.

B GENERAL GRAVEL SURFACING PER C135

C 6" THICK TYPE DRG FILL UNDER POND SLABS AND WATER RETAINING STRUCTURES, EXTEND BEYOND 3.0' ALL SIDES.

D PIPE TRENCH PER C601.

E BACKFILL WITH TYPE C FILL.

F RESTORE CREEK BED WITH NATIVE MATERIAL FROM EXCAVATION / COBBLE FILL.

G PLACE FINAL 6" WITH TOPSOIL AND REVEGETATE.

H BACKFILL EXCAVATIONS WITH TYPE SF FILL WHERE BACKFILL IS WITHIN 45° INFLUENCE ZONE OF NEW STRUCTURE (IE DISTANCE FROM STRUCTURE IS LESS THAN DEPTH BELOW BOTTOM OF STRUCTURE).

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

ADULT HOLDING AND SETTLING PONDS SECTIONS AND DETAILS 2

DESIGNED A. LEMAN

DRAWN J. LAHMON

CHECKED V. AUTIER

PROJECT DATE 10/28/20

DRAWING

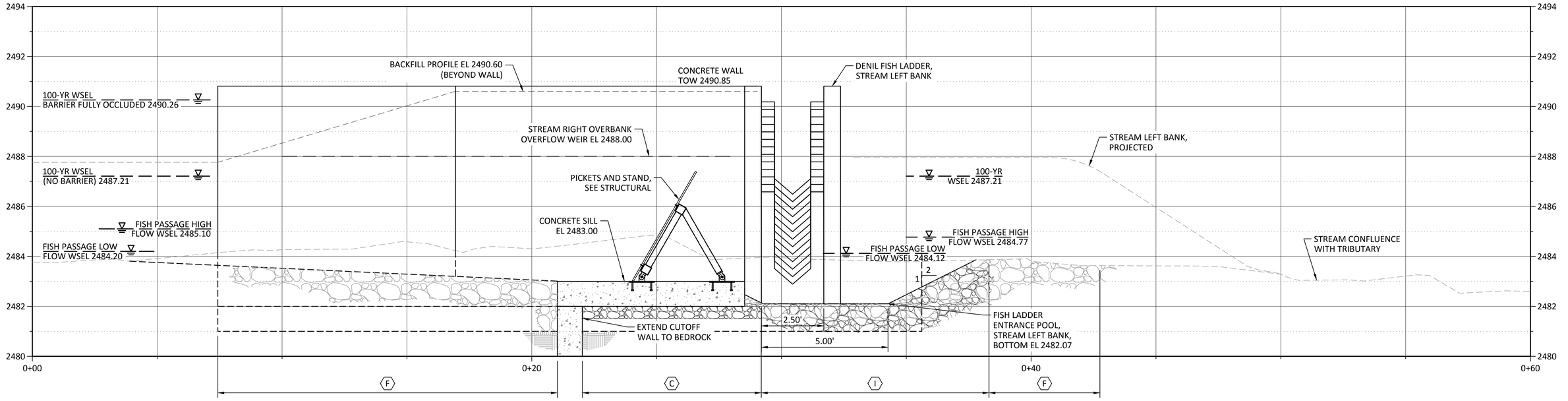
C612

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\C612.dwg Plot date: Oct 28, 2020 01:39pm, CAD User: Guerrero

SHEET NOTES:

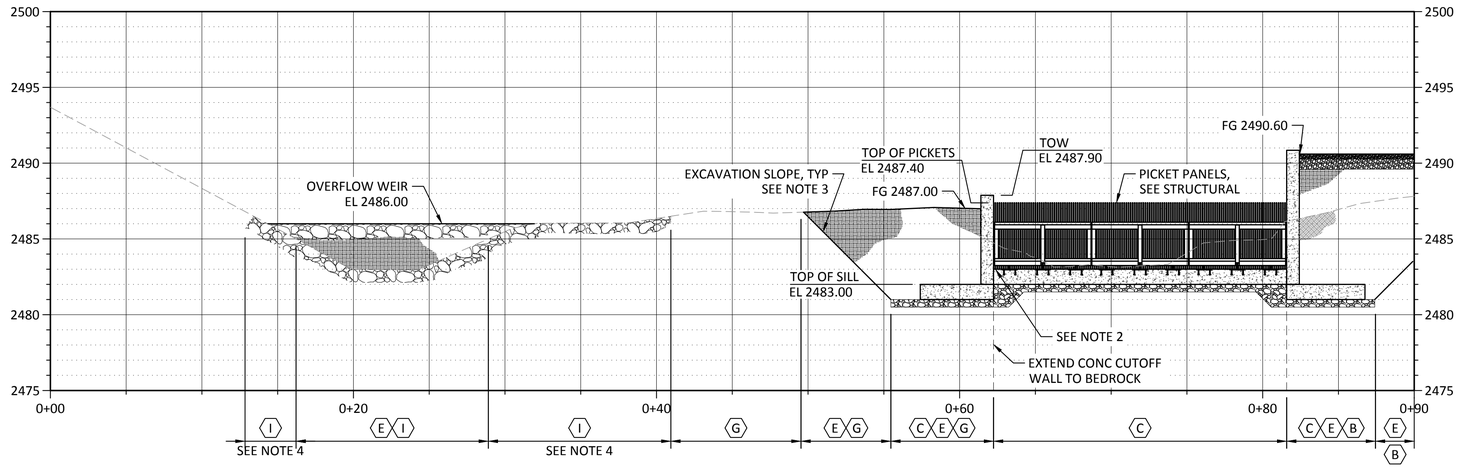
1. ALL EARTHWORKS MATERIALS ARE TO BE PLACED AND COMPACTED ACCORDING TO SPECIFICATION 31 00 00..
2. PICKETS TO SPAN ENTIRE SILL WIDTH WITH NO GAPS GREATER THAN 1". SEE STRUCTURAL FOR END TIE-IN DETAILS.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING SAFE WORKING SLOPES BASED ON WORKING CONDITIONS, SOIL TYPE, MOISTURE CONTENT, ETC. ALL SLOPES SHALL MEET LOCAL, STATE, AND FEDERAL (OSHA) REQUIREMENTS.
4. RIPRAP LINING TO EXTEND 6" ABOVE THE OVERFLOW WEIR ELEVATION (EL 2486.50).



FISH BARRIER LONGITUDINAL SECTION

SCALE: 1"= 2'

A C600



FISH BARRIER TRANSVERSE SECTION

SCALE: 1"= 5'

B C600

SHEET KEY NOTES:

- A 18" THICK TYPE SF FILL UNDER BUILDING FOOTINGS, AND 6" THICK TYPE SF FILL UNDER SLABS. EXTEND BEYOND 18" ALL SIDES.
- B GENERAL GRAVEL SURFACING PER C135.
- C 6" THICK TYPE DRG FILL UNDER POND SLABS AND WATER RETAINING STRUCTURES, EXTEND BEYOND 3.0' ALL SIDES.
- D PIPE TRENCH PER C601.
- E BACKFILL WITH TYPE C FILL.
- F RESTORE CREEK BED WITH NATIVE MATERIAL FROM EXCAVATION / COBBLE FILL.
- G PLACE FINAL 6" WITH TOPSOIL AND REVEGETATE.
- H BACKFILL EXCAVATIONS WITH TYPE SF FILL WHERE BACKFILL IS WITHIN 45° INFLUENCE ZONE OF NEW STRUCTURE (IE DISTANCE FROM FOOTING IS LESS THAN DEPTH BELOW BOTTOM OF STRUCTURE FOOTING).
- I TYPE II RIPRAP PER SPEC 31 37 00 AND C202. RIPRAP MAY BE ACQUIRED FROM MATERIAL AVAILABLE ON-SITE IN NORTH PAD GRADING. EXIST MATERIAL MAY REQUIRE CRUSHING OR BREAKING PRIOR TO PLACEMENT.

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

FISH BARRIER SECTIONS

DESIGNED A. LEMAN

DRAWN J. LAHMON

CHECKED V. AUTIER

PROJECT DATE 10/28/20

DRAWING

C620

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\C620.dwg Plot date: Oct 28, 2020 01:40pm, CAD User: Guerrero

SHEET NOTES:

1. ALL EARTHWORKS MATERIALS ARE TO BE PLACED AND COMPACTED ACCORDING TO SPECIFICATION 31 00 00.

SHEET KEY NOTES:

A 18" THICK TYPE SF FILL UNDER BUILDING FOOTINGS, AND 6" THICK TYPE SF FILL UNDER SLABS. EXTEND BEYOND 18" ALL SIDES.

B GENERAL GRAVE SURFACING PER S202.

C 6" THICK TYPE DRG FILL UNDER POND SLABS AND WATER RETAINING STRUCTURES, EXTEND BEYOND 3.0' ALL SIDES.

D PIPE TRENCH PER C601.

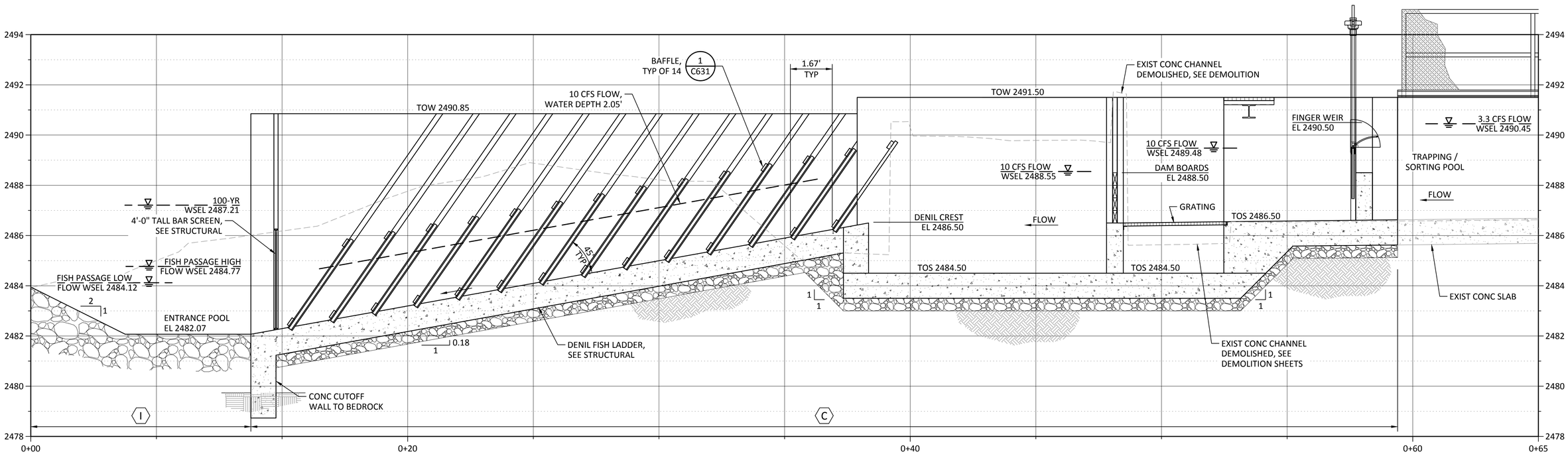
E BACKFILL WITH TYPE C FILL.

F RESTORE CREEK BED WITH NATIVE MATERIAL FROM EXCAVATION / COBBLE FILL.

G PLACE FINAL 6" WITH TOPSOIL AND REVEGETATE.

H BACKFILL EXCAVATIONS WITH TYPE SF FILL WHERE BACKFILL IS WITHIN 45° INFLUENCE ZONE OF NEW STRUCTURE (IE DISTANCE FROM FOOTING IS LESS THAN DEPTH BELOW BOTTOM OF STRUCTURE FOOTING).

I TYPE II RIPRAP PER SPEC 31 37 00 AND C202 RIPRAP MAY BE ACQUIRED FROM MATERIAL AVAILABLE ON-SITE IN NORTH PAD GRADING. EXISTING MATERIAL MAY REQUIRE CRUSHING OR BREAKING PRIOR TO PLACEMENT.



FISH LADDER PROFILE

SCALE: 1"= 2'

A C600

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

FISH LADDER PROFILE

DESIGNED A. LEMAN

DRAWN J. LAHMON

CHECKED V. AUTIER

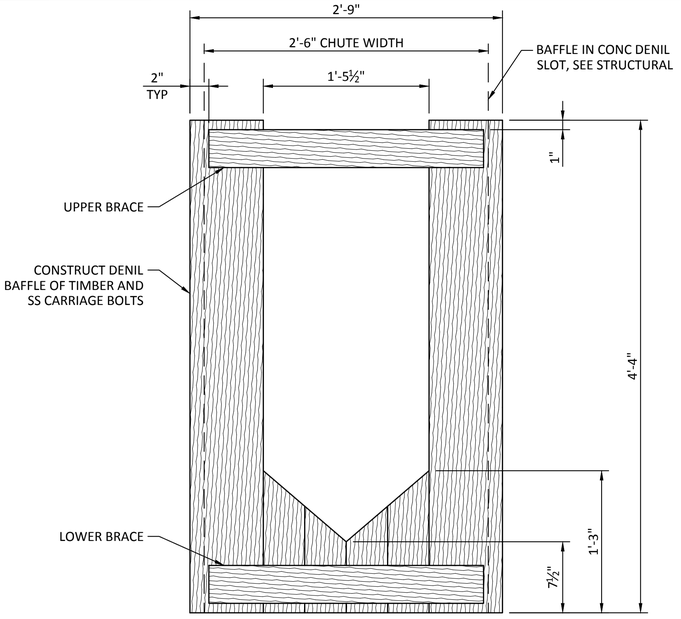
PROJECT DATE 10/28/20

DRAWING

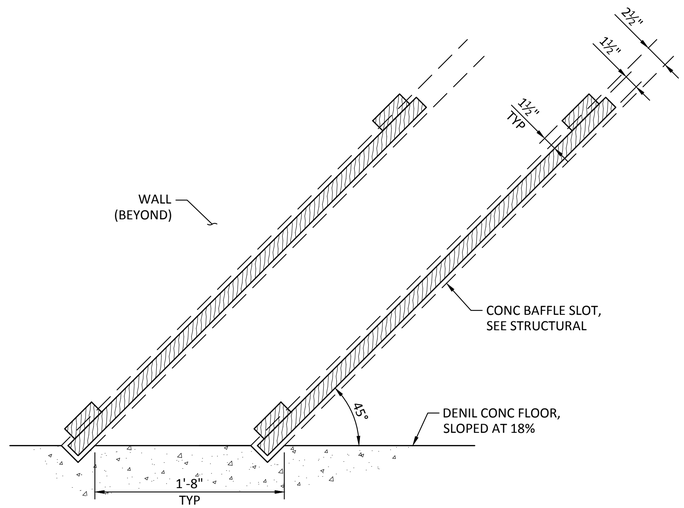
C630

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\C630.dwg Plot date: Oct 28, 2020 01:40pm, CAD User: Guerrero



FRONT VIEW



SIDE VIEW

DETAIL

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

0' 1' 2'

1
C630

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

FISH LADDER
DETAILS

DESIGNED A. LEMAN

DRAWN J. LAHMON

CHECKED V. AUTIER

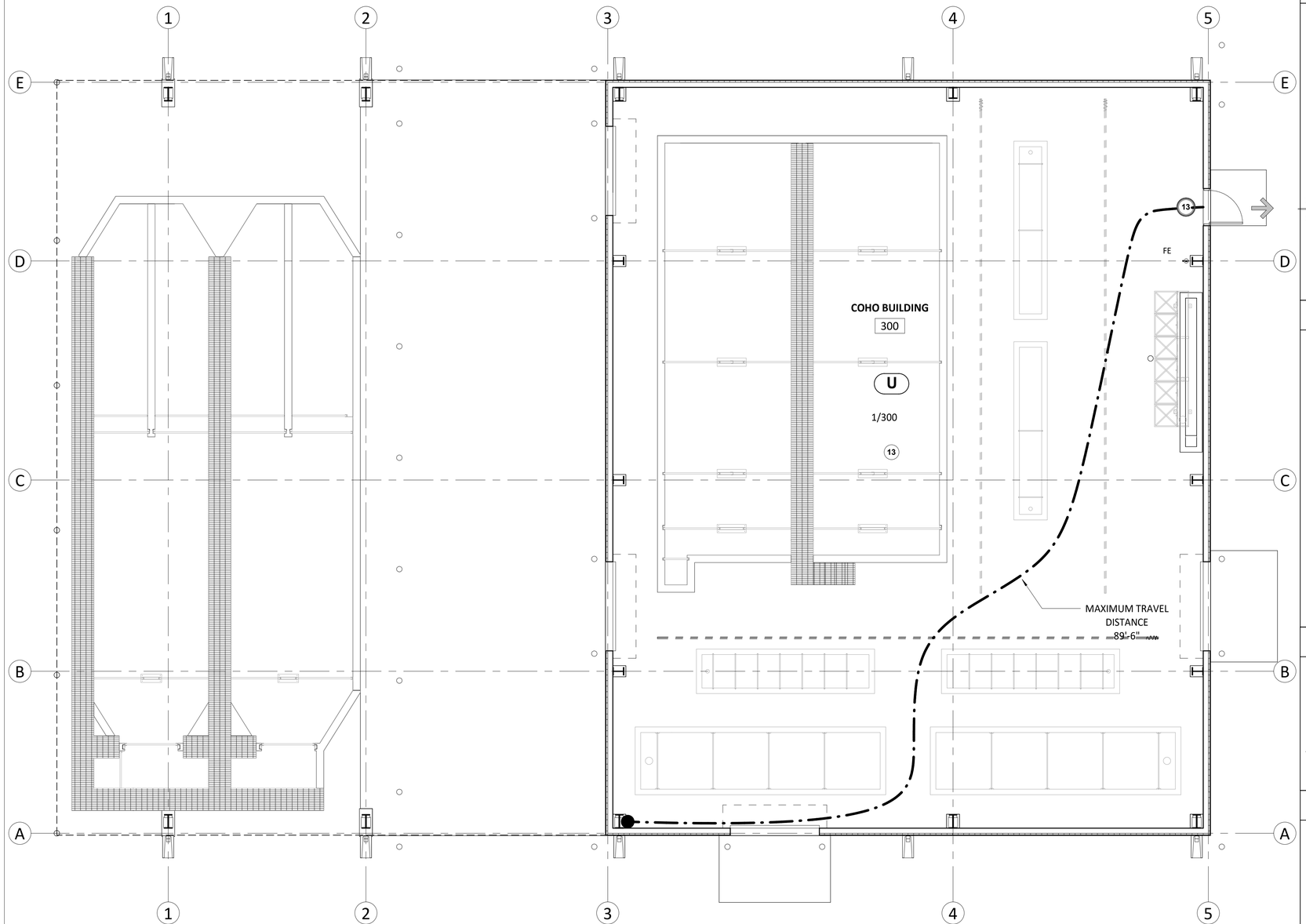
PROJECT DATE 10/28/20

DRAWING

C631

JOB NO: 000000

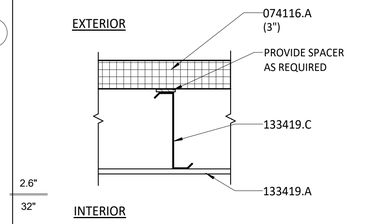
Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\C631.dwg Plot date: Oct 28, 2020 01:40pm, CAD User: Guerrero



COHO BUILDING CODE PLAN

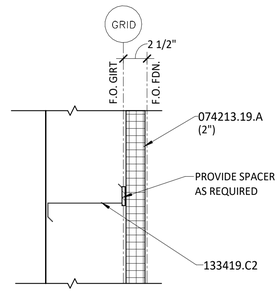
SCALE: 3/16" = 1'-0"

ROOF TYPES



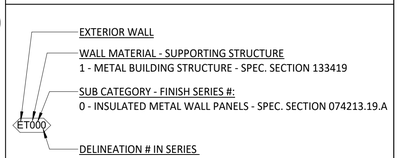
RT01 METAL BUILDING WITH STANDING SEAM INSULATED METAL SEAM ROOF PANELS

EXTERIOR WALL TYPES

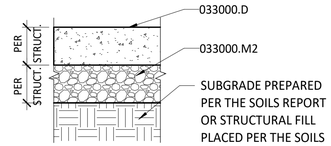


ET100 METAL BUILDING WITH INSULATED METAL WALL PANEL

EXTERIOR WALL TYPE LEGEND



FLOOR TYPES



FT01 CONCRETE SLAB ON GRADE, THICKNESS VARIES, SEE STRUCTURAL

CODE ANALYSIS

1. SISKIYOU COUNTY, CALIFORNIA, CURRENT ADOPTED CODES
   - CODE: 2019 CALIFORNIA BUILDING CODE, TITLE 24, VOLUMES 1 & 2, PART 2
   - CODE: 2019 CALIFORNIA ELECTRICAL CODE, TITLE 24, PART 3
   - CODE: 2019 CALIFORNIA MECHANICAL CODE, TITLE 24, PART 4
   - CODE: 2019 CALIFORNIA PLUMBING CODE, TITLE 24, PART 5
   - CODE: 2019 CALIFORNIA ENERGY CODE, TITLE 24, PART 6 (EXEMPT)
   - CODE: 2019 CALIFORNIA FIRE CODE, TITLE 24, PART 9
2. FOR ADDITIONAL CODE INFORMATION, REFER TO SHEET GS001 - STRUCTURAL GENERAL NOTES

OVERALL BUILDING CODE DATA

OCCUPANCY TYPE	OCCUPANCY LOAD/SF	BUILDING AREA	MAX. OCCUPANCY LOAD
U	1 OCC. / 300 S.F. ENCLOSED	6,970 S.F. (3,635 S.F. ENCLOSED)	13
TOTAL			13

TYPE OF CONSTRUCTION:	TYPE II-B
NON SPRINKLERED BUILDING	
BASIC ALLOWABLE HEIGHT *(PER TABLE 504.3)*:	(3 STORIES) 55'-0"
PROPOSED BUILDING HEIGHT:	(1 STORY) 21'-0"
BASIC ALLOWABLE AREA *(PER TABLE 506.2)*:	8,500 S.F.
PROPOSED BUILDING AREA:	6,970 S.F.
COMMAN PATH OF EGRESS TRAVEL *(PER TABLE 1006.2.1)*:	100'
MAXIMUM TRAVEL DISTANCE ALLOWED (PER *TABLE 1017.2)*:	300'
NUMBER OF EXITS REQUIRED *(PER TABLE 1006.2.1)*:	1, (1 PROVIDED)

FIRE RESISTIVE REQUIREMENTS FOR BUILDING ELEMENTS *(TABLE 601)* :
- A. STRUCTURAL FRAME: NON-RATED
- B. EXTERIOR BEARING WALLS: NON-RATED
- C. INTERIOR BEARING WALLS: NON-RATED
- D. FLOOR CONSTRUCTION: NON-RATED
- E. ROOF CONSTRUCTION: NON-RATED

FIRE RESISTIVE REQUIREMENTS OF EXTERIOR WALLS (*TABLE 602)*:
ALL EXTERIOR WALLS HAVE FIRE SEPARATION DISTANCE GREATER THAN 10 FEET, THEREFORE ARE NOT REQUIRED TO BE RATED.

LEGEND

ROOM NAME

- 101 — ROOM NAME AND NUMBER
- U — AREA OCCUPANCY
- # — TOTAL OCCUPANT LOAD IN ROOM (AS PER TITLE 24, PART 2, TABLE 1004.5)
- # — TOTAL OCCUPANT LOAD EXITING FROM BUILDING / OCCUPANCY
- REQUIRED BUILDING EGRESS WITH LOAD AND MINIMUM WIDTH
- X" / X" — REQUIRED EXIT WIDTH (AS PER TITLE 24, PART 2, TABLE 1005.3.2) / ACTUAL EXIT WIDTH
- FE — LOCATION OF BRACKET HUNG FIRE EXTINGUISHER
- MAXIMUM TRAVEL DISTANCE ROUTE

CONDOC

033000.D	CONCRETE SLAB-ON-GRADE, SEE STRUCTURAL.
033000.M2	GRANULAR FILL.
074116.A	INSULATED-CORE METAL ROOF PANEL.
074213.19.A	INSULATED METAL WALL PANELS.
133419.A	METAL BUILDING PRIMARY-FRAME.
133419.C	PURLIN.
133419.C2	WALL GIRTS.

REV	DATE	BY	DESCRIPTION

THESE DOCUMENTS ILLUSTRATE A BASIS OF DESIGN FOR A PRE-ENGINEERED METAL BUILDING.

THE SELECTED PRE-ENGINEERED METAL BUILDING VENDOR IS RESPONSIBLE FOR PROVIDING A DEFERRED SUBMITTAL THAT INCLUDES FULLY ENGINEERED DRAWINGS, DETAILS AND CALCULATIONS FOR APPROVAL.

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 CODE PLAN AND ASSEMBLY TYPES

DESIGNED IS

DRAWN IS

CHECKED MH

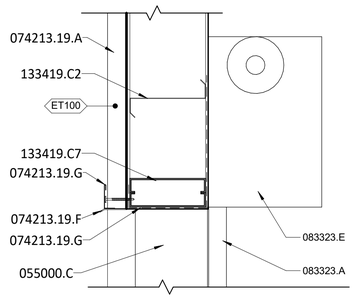
ISSUED DATE 10/28/20

DRAWING

A300

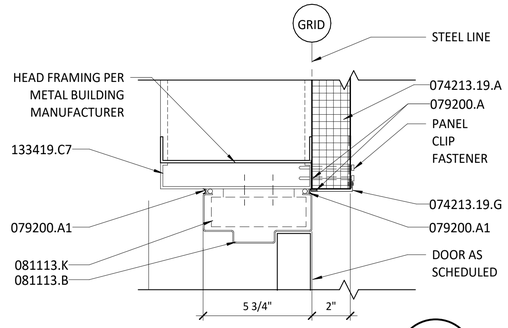
C:\Users\ians\Documents\20018-01 Coho Building_R20_iansKQD5D.rvt

17027.01



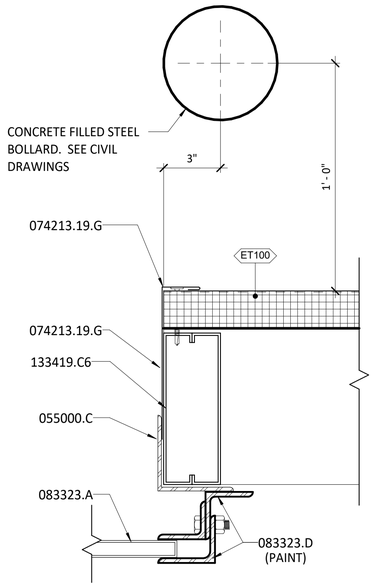
COILING DOOR HEAD 1

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



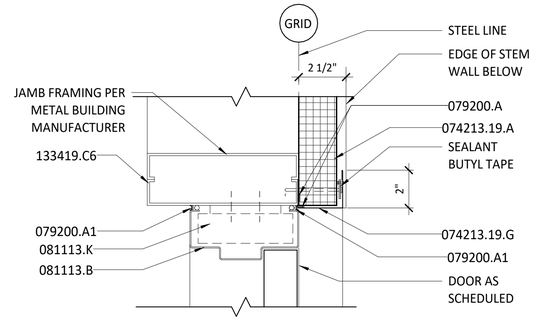
DOOR HEAD DETAIL 2

SCALE: 3" = 1'-0"



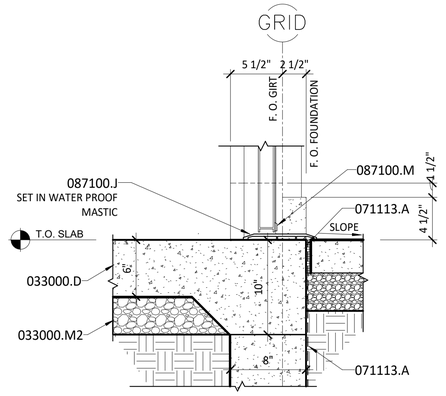
COILING DOOR JAMB 3

SCALE: 3" = 1'-0"



DOOR JAMB DETAIL 4

SCALE: 3" = 1'-0"



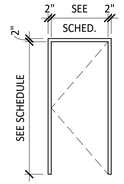
DOOR SILL DETAIL 5

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

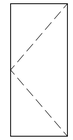
DOOR SCHEDULE

DOOR MARK	1. DOOR SIZE		2. Door Type	3. Door Const.	4. Facing Finish	5. Glass	6. Fire Rating	7. Frame Type	8. Frame Const.	SEE DETAILS THIS SHEET U.N.O.			9. Remarks
	WIDTH	HEIGHT								HEAD	JAMB	SILL	
301	3' - 0"	7' - 0"	F	HMI	FF	-	-	01	HM	2/A301	4/A301	5/A301	-
302	8' - 0"	10' - 0"	C	HMI	FF	-	-	-	-	1/A301	3/A301	-	1, 2
303	8' - 0"	10' - 0"	C	HMI	FF	-	-	-	-	1/A301	3/A301	-	1, 2
304	8' - 0"	10' - 0"	C	HMI	FF	-	-	-	-	1/A301	3/A301	-	1, 2
305	8' - 0"	10' - 0"	C	HMI	FF	-	-	-	-	1/A301	3/A301	-	1, 2

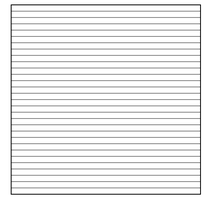
DOOR FRAMES AND DOOR TYPES



01



FLUSH
F



OVERHEAD COILING
C

CONDOC

033000.D	CONCRETE SLAB-ON-GRADE, SEE STRUCTURAL.
033000.M2	GRANULAR FILL.
055000.C	METAL ANGLE.
071113.A	BITUMINOUS DAMPPROOFING.
074213.19.A	INSULATED METAL WALL PANELS.
074213.19.F	METAL FLASHING.
074213.19.G	METAL TRIM.
079200.A	JOINT SEALANT.
079200.A1	SEALANT OVER BACKER ROD.
081113.B	HOLLOW-METAL FRAME.
081113.K	FRAME ANCHOR.
083323.A	OVERHEAD COILING DOOR.
083323.D	CURTAIN JAMB GUIDES.
083323.E	HOOD.
087100.J	THRESHOLD.
087100.M	METAL PROTECTIVE TRIM UNIT.
133419.C2	WALL GIRTS.
133419.C6	JAMB / SILL FRAMING.
133419.C7	HEADER FRAMING.

DOOR LEGEND

1. DOOR SIZE
2. DOOR TYPE: SEE DOOR TYPES THIS SHEET
3. DOOR CONSTRUCTION:
   - HM= HOLLOW METAL
   - HMI = HOLLOW METAL INSULATED
   - STI = STEEL INSULATED
4. FACING AND FINISH:
   - FF = FACTORY FINISH
   - MP = METAL PAINTED
   - PW = PREFINISHED WOOD
5. GLASS: SEE GLAZING THIS SHEET.
6. FIRE RATING IN MINUTES
7. FRAME TYPE: SEE DOOR FRAME TYPES, THIS SHEET
   - A. SEE WINDOW FRAME TYPES FOR DOORS IN WINDOW FRAME ASSEMBLIES.
8. FRAME CONSTRUCTION:
   - AL = ALUMINUM
   - HM = HOLLOW METAL
9. REMARKS:
   1. STEEL INSULATED COILING DOOR, FACTORY FINISHED INTERIOR AND EXTERIOR FACE. VERIFY CHAIN HOIST LOCATION PRIOR TO FABRICATION. COORDINATE LOCATION WITH METAL BUILDING PRIMARY FRAME MEMBERS.
   2. COORDINATE STRUCTURAL MEMBERS FOR ATTACHMENT OF JAMB GUIDES AND HOOD WITH METAL BUILDING MANUFACTURER.

GENERAL DOOR NOTES

1. PRE-ENGINEERED METAL BUILDING VENDOR TO VERIFY ALL CLEARANCES OF OVERHEAD DOOR HOODS, CHAIN HOIST MECHANISMS, RAILS, GUIDES ETC. DO NOT CONFLICT WITH ADJACENT METAL BUILDING FRAMING MEMBERS.
2. PRE-ENGINEERED METAL BUILDING VENDOR TO PROVIDE ALL NECESSARY JAMB AND HEAD FRAMING AT ALL DOOR OPENINGS TO ALLOW FOR ANCHORAGE OF ALL DOOR HARDWARE.

REV	DATE	BY	DESCRIPTION

THESE DOCUMENTS ILLUSTRATE A BASIS OF DESIGN FOR A PRE-ENGINEERED METAL BUILDING.

THE SELECTED PRE-ENGINEERED METAL BUILDING VENDOR IS RESPONSIBLE FOR PROVIDING A DEFERRED SUBMITTAL THAT INCLUDES FULLY ENGINEERED DRAWINGS, DETAILS AND CALCULATIONS FOR APPROVAL.

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 DOOR SCHEDULE AND DETAILS

DESIGNED IS

DRAWN IS

CHECKED MH

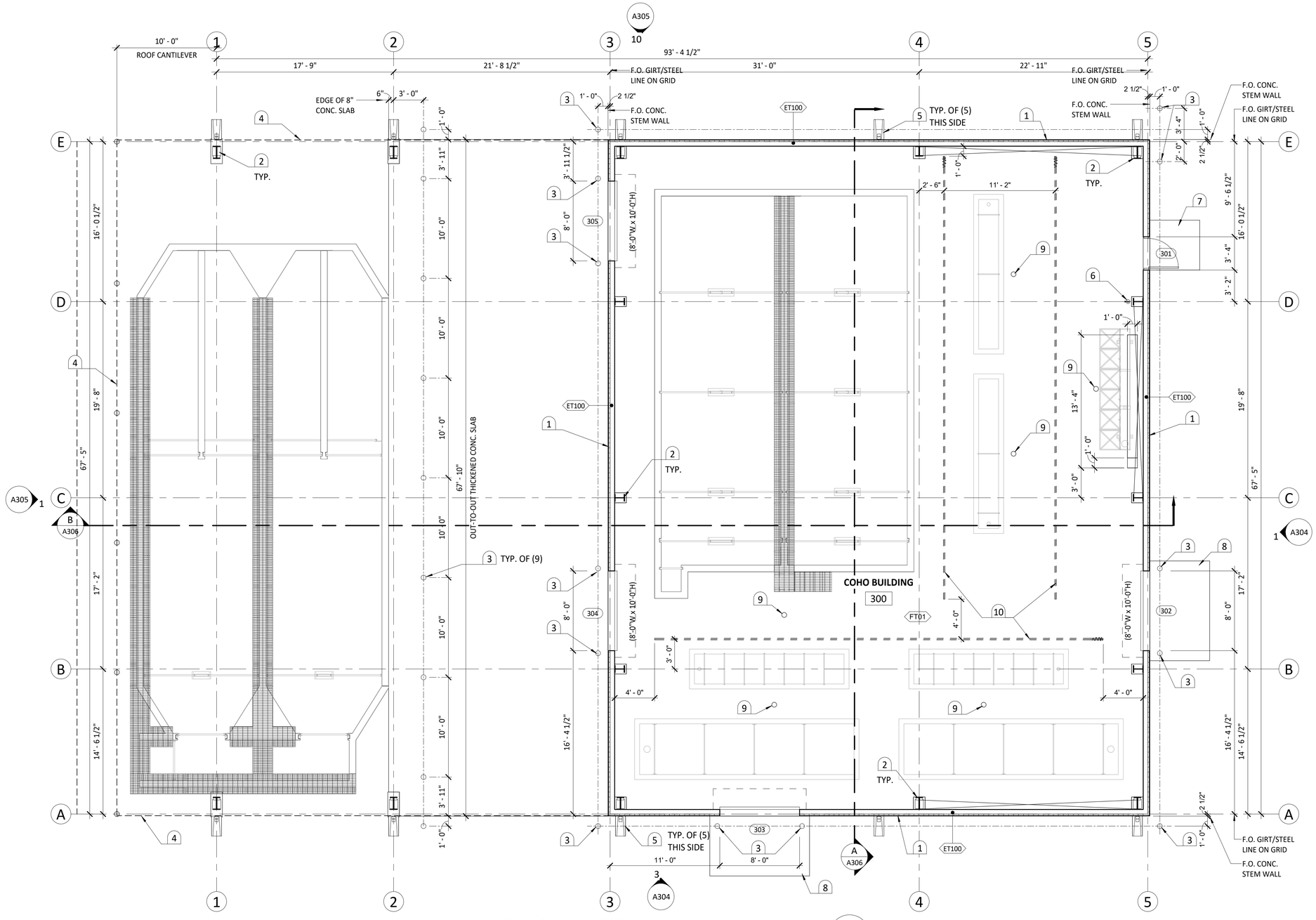
ISSUED DATE 10/28/20

DRAWING

A301

C:\Users\ians\Documents\20018-01 Coho Building_R20_iansKQD5D.rvt

17027.01



COHO BUILDING FLOOR PLAN

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

KEYNOTES

1. EXTERIOR INSULATED METAL WALL PANELS TO BE PROVIDED AS PART OF PRE-ENGINEERED METAL BUILDING PACKAGE.
2. STRUCTURAL STEEL COLUMNS AS PART OF PRE-ENGINEERED METAL BUILDING PACKAGE.
3. CONCRETE FILLED STEEL BOLLARD. SEE CIVIL DRAWINGS.
4. LINE OF ROOF ABOVE.
5. DOWNSPOUT LOCATION. PROVIDE SPLASHBLOCK AT GRADE. SEE DETAIL 7/A307.
6. BRACKET MOUNTED PORTABLE FIRE EXTINGUISHER.
7. 4" THICK, 5'-0" x 5'-0" CONCRETE LANDING AT MAN DOOR. ALIGN EDGE WITH HINGE SIDE DOOR JAMB. FLUSH WITH INTERIOR FLOOR SLAB AND SLOPING AWAY FROM BUILDING AT 2% MAX.
8. 6" THICK, 10'-0" x 6'-0" CONCRETE ENTRANCE SLAB CENTERED ON DOOR OPENING. FLUSH WITH INTERIOR FLOOR SLAB AND SLOPING AWAY FROM BUILDING AT 2% MAX.
9. FLOOR DRAIN.
10. BIOSECURITY TRACK AND CURTAIN SUSPENDED FROM PRE-ENGINEERED METAL BUILDING. PRE-ENGINEERED METAL BUILDING SUPPLIER TO PROVIDE THE NECESSARY SUPPORT STRUCTURE AND ACCOUNT FOR ADDTIONAL LOADING (5 lbs/L.F.). SEE SPECIFICATION SECTION 10 21 23. COORDINATE OPENINGS IN CONTINUOUS CURTAIN LENGTHS WITH OWNER/USER.

LEGEND

- ET# — EXTERIOR WALL TYPE ASSEMBLY - SEE SHEET A300
- RT# — ROOF TYPE ASSEMBLY - SEE SHEET A300
- FT# — FLOOR TYPE ASSEMBLY - SEE SHEET A300

FLOOR PLAN NOTES

1. EXTERIOR DIMENSIONS ARE TO GRID/PRE-ENGINEERED METAL BUILDING "STEEL LINE". SEE BUILDING SECTIONS AND DETAILS FOR RELATIONSHIP OF FRAMING/FINISHES TO FACE OF FOUNDATION.
2. EXTERIOR SLABS AND FINISH GRADES TO SLOPE AWAY FROM BUILDING AT 1/8" PER FOOT MINIMUM.
3. SEE CIVIL DRAWINGS FOR RELATIONSHIP OF SITE WORK TO BUILDING.
4. SLOPE SLABS TO FLOOR DRAINS WHERE INDICATED.
5. REFER TO BUILDING SECTIONS AND DETAILS FOR EXTERIOR WALL REQUIREMENTS.
6. COORDINATE OVERHEAD COILING DOOR JAMBS, HOODS AND CHAIN HOIST MECHANISMS WITH METAL BUILDING PRIMARY FRAME. ENSURE ADEQUATE CLEARANCE FROM CHAIN HOIST MECHANISM TO PRIMARY FRAME ELEMENTS AND MIRROR MECHANISM TO OPPOSITE JAMB IF CONFICT EXISTS.

REV	DATE	BY	DESCRIPTION

THESE DOCUMENTS ILLUSTRATE A BASIS OF DESIGN FOR A PRE-ENGINEERED METAL BUILDING.

THE SELECTED PRE-ENGINEERED METAL BUILDING VENDOR IS RESPONSIBLE FOR PROVIDING A DEFERRED SUBMITTAL THAT INCLUDES FULLY ENGINEERED DRAWINGS, DETAILS AND CALCULATIONS FOR APPROVAL.

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 OVERALL FLOOR PLAN

DESIGNED IS

DRAWN IS

CHECKED MH

ISSUED DATE 10/28/20

DRAWING

A302

C:\Users\ians\Documents\20018-01 Coho Building_R20_ianskQD5D.rvt

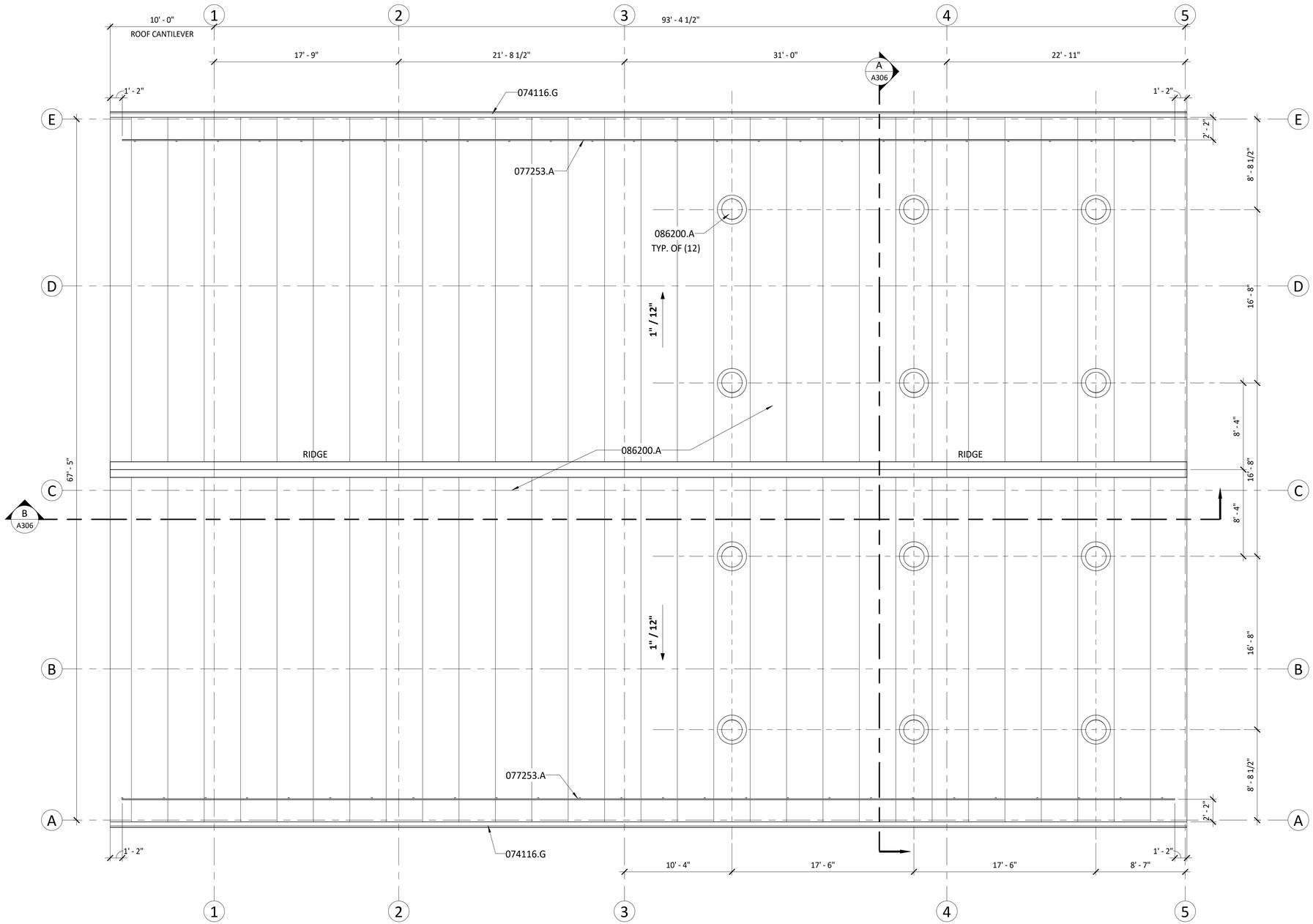
17027.01

CONDOC

074116.A	INSULATED-CORE METAL ROOF PANEL.
074116.G	GUTTER.
077253.A	SNOW GUARD.
079200.A1	SEALANT OVER BACKER ROD.
086200.A	UNIT SKYLIGHT.

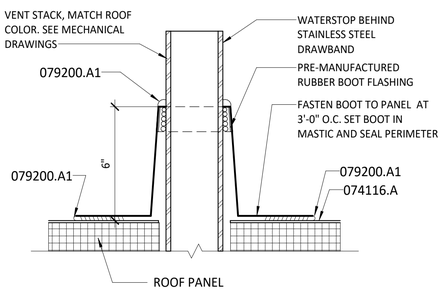
ROOF PLAN NOTES

1. PROVIDE WATER TIGHT SEAL AROUND ALL ROOFTOP EQUIPMENT AND PENETRATIONS, INCLUDING THOSE NOT SHOWN HERE. REFER TO MECHANICAL DRAWINGS FOR EQUIPMENT NOT SHOWN HERE.
2. SEE STRUCTURAL PLANS FOR ROOF FRAMING AND MODIFICATIONS.
3. DO NOT INSTALL ROOF PENETRATIONS THROUGH STANDING SEAMS OF METAL ROOF. INSTALL PENETRATIONS THROUGH FLAT ROOF PAN. SEE ROOF PENETRATION DETAIL 2/A303.
4. METAL ROOF PANEL CONNECTIONS TO REFLECT A FIXED EAVE AND FLOATING RIDGE CONDITION. CLIP CONNECTIONS TO ALLOW EXPANSION AND CONTRACTION OF STANDING SEAM PANEL PER MANUFACTURER'S RECOMMENDATIONS.
5. PRE-ENGINEERED METAL BUILDING VENDOR TO COORDINATE ALL ROOF PURLIN LOCATIONS TO AVOID CONFLICT WITH UNIT SKYLIGHT LOCATIONS.



COHO BUILDING ROOF PLAN

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



ROOF PENETRATION

SCALE: 3" = 1'-0"

2

REV	DATE	BY	DESCRIPTION

THESE DOCUMENTS ILLUSTRATE A BASIS OF DESIGN FOR A PRE-ENGINEERED METAL BUILDING.

THE SELECTED PRE-ENGINEERED METAL BUILDING VENDOR IS RESPONSIBLE FOR PROVIDING A DEFERRED SUBMITTAL THAT INCLUDES FULLY ENGINEERED DRAWINGS, DETAILS AND CALCULATIONS FOR APPROVAL.

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 ROOF PLAN

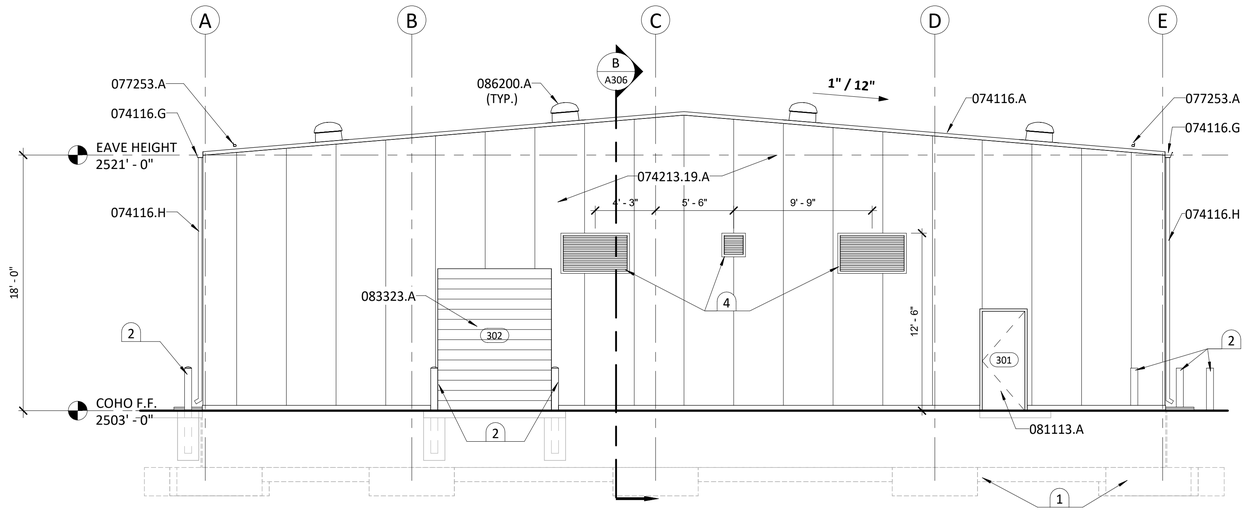
DESIGNED	IS
DRAWN	IS
CHECKED	MH
ISSUED DATE	10/28/20

DRAWING

A303

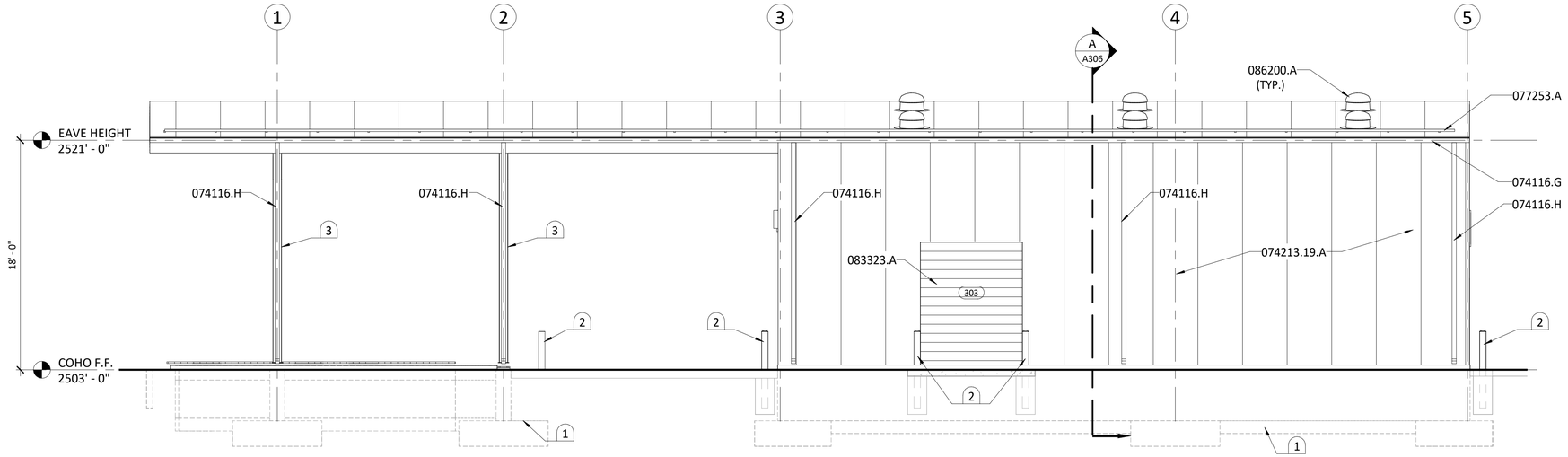
C:\Users\ians\Documents\20018-01 Coho Building_R20_iansKQD5D.rvt

17027.01



COHO BUILDING - SOUTHEST ELEVATION

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



COHO BUILDING - SOUTHWEST ELEVATION

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

CONDOC

074116.A	INSULATED-CORE METAL ROOF PANEL.
074116.G	GUTTER.
074116.H	DOWNSPOUT.
074213.19.A	INSULATED METAL WALL PANELS.
077253.A	SNOW GUARD.
081113.A	HOLLOW-METAL DOOR
083323.A	OVERHEAD COILING DOOR.
086200.A	UNIT SKYLIGHT.

KEYNOTES

1. LINE OF FOOTING, SEE STRUCTURAL.
2. CONCRETE FILLED STEEL BOLLARD (TYP.). NOT ALL BOLLARDS ARE SHOWN FOR CLARITY. SEE A302 FOR LOCATIONS OF ALL BOLLARDS AND SEE CIVIL DRAWINGS FOR INSTALLATION DETAILS.
3. PRE-ENGINEERED METAL BUILDING STRUCTURE.
4. MECHANICAL LOUVER - REFER TO SHEET GH001 - HVAC SCHEDULES AND SPEC SECTIONS 08 91 16 AND 08 91 19 FOR ADDITIONAL INFORMATION.

GENERAL NOTES

1. PAINT ALL SURFACES OF EXPOSED STRUCTURAL STEEL, STEEL FABRICATIONS, HOLLOW METAL FRAMES, AND HOLLOW METAL DOORS U.O.N.
2. SEE SPEC SECTIONS 08 33 23 AND 08 71 00 FOR STANDARD HARDWARE.
3. ALL DOORS SHALL BE CONSTRUCTED AS DETAILED TO ACTUAL OPENING DIMENSIONS, VERIFY PRIOR TO FABRICATION. SEE SHEET A301 FOR DOOR TYPES.
4. INSTALL SEALANT BETWEEN DISSIMILAR MATERIALS.
5. PRE-ENGINEERED METAL BUILDING VENDOR TO COORDINATE ALL MECHANICAL EXHAUST FAN AND LOUVER LOCATIONS WITH INTERIOR CROSS BRACING LOCATIONS. NOTIFY ARCHITECT OF ANY CONFLICTS PRIOR TO WALL PANEL FABRICATION.
6. PRE-ENGINEERED METAL BUILDING VENDOR TO COORDINATE ALL ROOF PURLIN LOCATIONS TO AVOID CONFLICT WITH UNIT SKYLIGHT LOCATIONS.

REV	DATE	BY	DESCRIPTION

THESE DOCUMENTS ILLUSTRATE A BASIS OF DESIGN FOR A PRE-ENGINEERED METAL BUILDING.

THE SELECTED PRE-ENGINEERED METAL BUILDING VENDOR IS RESPONSIBLE FOR PROVIDING A DEFERRED SUBMITTAL THAT INCLUDES FULLY ENGINEERED DRAWINGS, DETAILS AND CALCULATIONS FOR APPROVAL.

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 EXTERIOR ELEVATIONS 1

DESIGNED IS

DRAWN IS

CHECKED MH

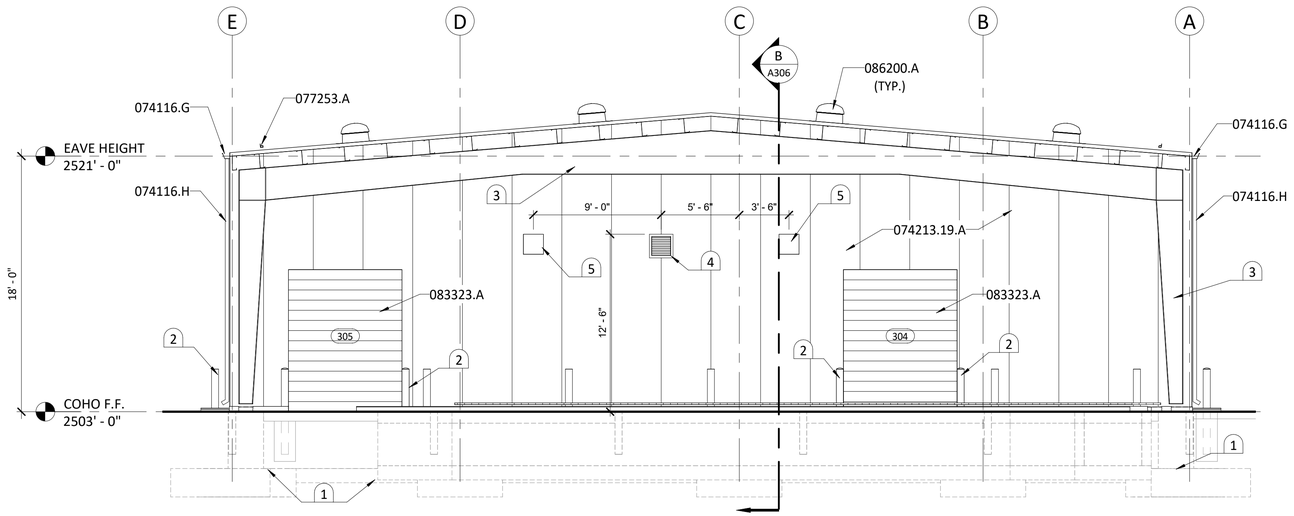
ISSUED DATE 10/28/20

DRAWING

A304

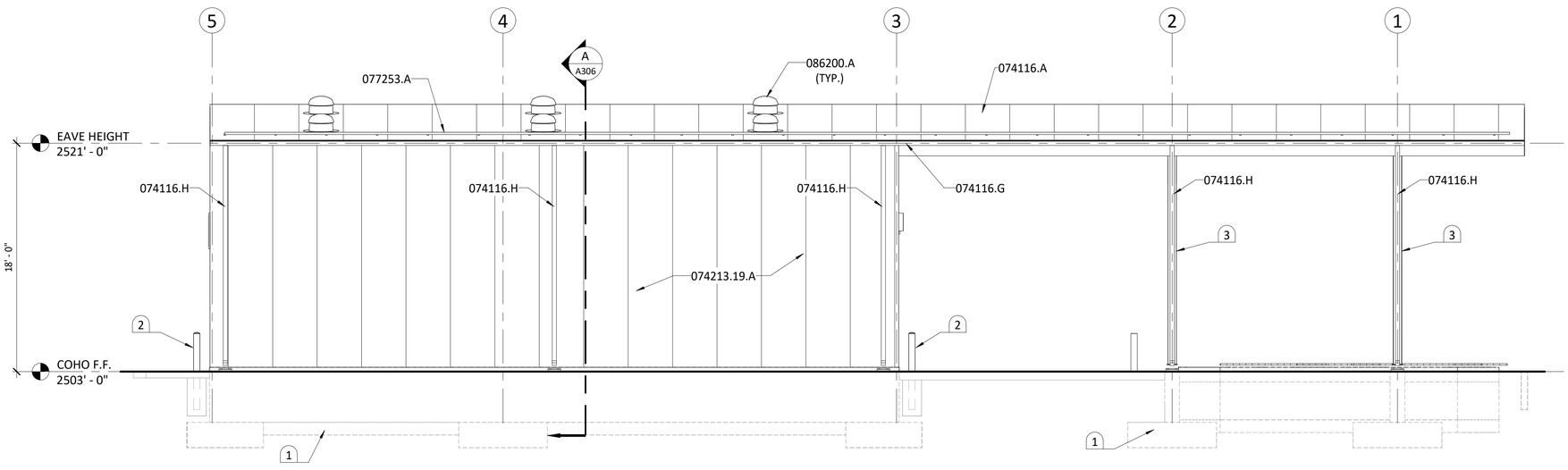
C:\Users\ians\Documents\20018-01 Coho Building_R20_iansKQD5D.rvt

17027.01



COHO BUILDING - NORTHWEST ELEVATION

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



COHO BUILDING - NORTHEAST ELEVATION

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

CONDOC

074116.A	INSULATED-CORE METAL ROOF PANEL.
074116.G	GUTTER.
074116.H	DOWNSPOUT.
074213.19.A	INSULATED METAL WALL PANELS.
077253.A	SNOW GUARD.
083323.A	OVERHEAD COILING DOOR.
086200.A	UNIT SKYLIGHT.

KEYNOTES

1. LINE OF FOOTING, SEE STRUCTURAL.
2. CONCRETE FILLED STEEL BOLLARD (TYP.). NOT ALL BOLLARDS ARE SHOWN FOR CLARITY. SEE A302 FOR LOCATIONS OF ALL BOLLARDS AND SEE CIVIL DRAWINGS FOR INSTALLATION DETAILS.
3. PRE-ENGINEERED METAL BUILDING STRUCTURE.
4. MECHANICAL LOUVER - REFER TO SHEET GH001 - HVAC SCHEDULES AND SPEC SECTIONS 08 91 16 AND 08 91 19 FOR ADDITIONAL INFORMATION.
5. MECHANICAL EXHAUST FAN - REFER TO SHEET GH001 - HVAC SCHEDULES AND SPEC SECTIONS 08 91 16 AND 08 91 19 FOR ADDITIONAL INFORMATION

GENERAL NOTES

1. PAINT ALL SURFACES OF EXPOSED STRUCTURAL STEEL, STEEL FABRICATIONS, HOLLOW METAL FRAMES, AND HOLLOW METAL DOORS U.O.N.
2. SEE SPEC SECTIONS 08 33 23 FOR STANDARD HARDWARE.
3. ALL DOORS SHALL BE CONSTRUCTED AS DETAILED TO ACTUAL OPENING DIMENSIONS, VERIFY PRIOR TO FABRICATION. SEE SHEET A301 FOR DOOR TYPES.
4. INSTALL SEALANT BETWEEN DISSIMILAR MATERIALS.
5. PRE-ENGINEERED METAL BUILDING VENDOR TO COORDINATE ALL MECHANICAL EXHAUST FAN AND LOUVER LOCATIONS WITH INTERIOR CROSS BRACING LOCATIONS. NOTIFY ARCHITECT OF ANY CONFLICTS PRIOR TO WALL PANEL FABRICATION.
6. PRE-ENGINEERED METAL BUILDING VENDOR TO COORDINATE ALL ROOF PURLIN LOCATIONS TO AVOID CONFLICT WITH UNIT SKYLIGHT LOCATIONS.

REV	DATE	BY	DESCRIPTION

THESE DOCUMENTS ILLUSTRATE A BASIS OF DESIGN FOR A PRE-ENGINEERED METAL BUILDING.

THE SELECTED PRE-ENGINEERED METAL BUILDING VENDOR IS RESPONSIBLE FOR PROVIDING A DEFERRED SUBMITTAL THAT INCLUDES FULLY ENGINEERED DRAWINGS, DETAILS AND CALCULATIONS FOR APPROVAL.

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 EXTERIOR ELEVATIONS 2

DESIGNED IS

DRAWN IS

CHECKED MH

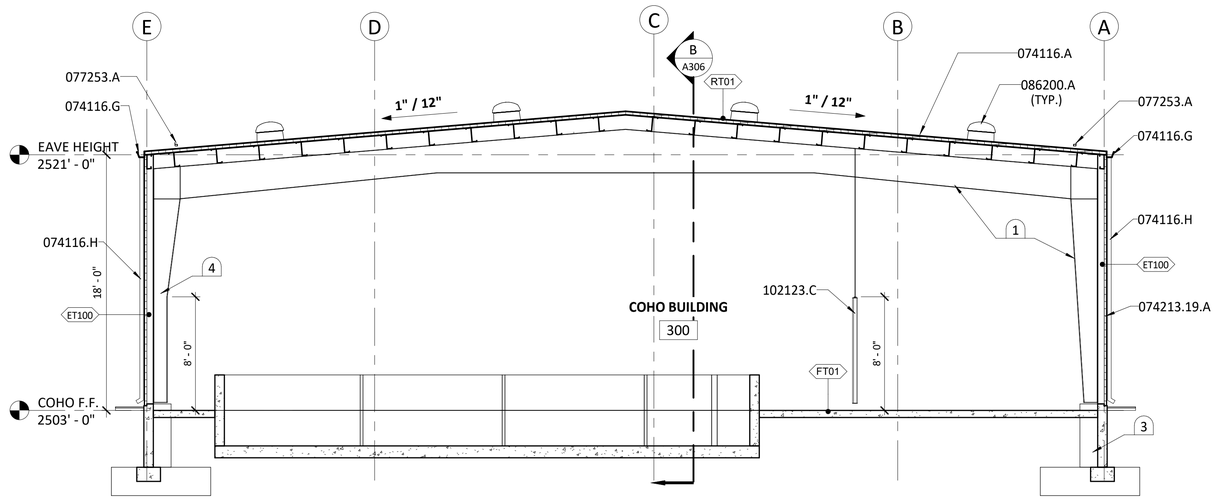
ISSUED DATE 10/28/20

DRAWING

A305

C:\Users\ians\Documents\20018-01 Coho Building_R20_iansKQD5D.rvt

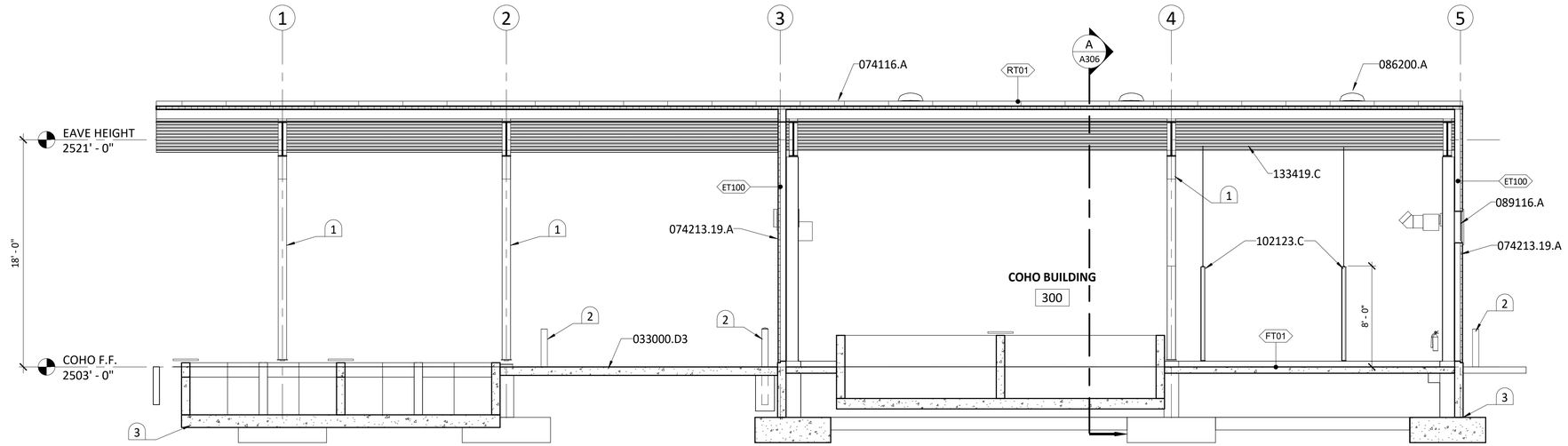
17027.01



BUILDING SECTION

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

A / A302



BUILDING SECTION

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

B / A302

CONDOC

033000.D3	8" CONCRETE SLAB-ON-GRADE, SEE STRUCTURAL.
074116.A	INSULATED-CORE METAL ROOF PANEL.
074116.G	GUTTER.
074116.H	DOWNSPOUT.
074213.19.A	INSULATED METAL WALL PANELS.
077253.A	SNOW GUARD.
086200.A	UNIT SKYLIGHT.
089116.A	OPERABLE LOUVER.
102123.C	BIO-SAFETY CUBICLE-CURTAIN
133419.C	PURLIN.

KEYNOTES

1. PRE-ENGINEERED METAL BUILDING STRUCTURE.
2. CONCRETE FILLED STEEL BOLLARD (TYP.). NOT ALL BOLLARDS ARE SHOWN FOR CLARITY. SEE A302 FOR LOCATIONS OF ALL BOLLARDS AND SEE CIVIL DRAWINGS FOR INSTALLATION DETAILS.
3. CONCRETE FOOTING. SEE STRUCTURAL.
4. SPECIAL FRAME PROFILE. SEE STRUCTURAL FOR LOCATIONS.

LEGEND

- ET# — EXTERIOR WALL TYPE ASSEMBLY - SEE SHEET A300
- RT# — ROOF TYPE ASSEMBLY - SEE SHEET A300
- FT# — FLOOR TYPE ASSEMBLY - SEE SHEET A300

GENERAL NOTES

1. PRE-ENGINEERED METAL BUILDING VENDOR TO COORDINATE ALL ROOF PURLIN LOCATIONS TO AVOID CONFLICT WITH UNIT SKYLIGHT LOCATIONS.

REV	DATE	BY	DESCRIPTION

THESE DOCUMENTS ILLUSTRATE A BASIS OF DESIGN FOR A PRE-ENGINEERED METAL BUILDING.

THE SELECTED PRE-ENGINEERED METAL BUILDING VENDOR IS RESPONSIBLE FOR PROVIDING A DEFERRED SUBMITTAL THAT INCLUDES FULLY ENGINEERED DRAWINGS, DETAILS AND CALCULATIONS FOR APPROVAL.

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 SECTIONS 1

DESIGNED IS

DRAWN IS

CHECKED MH

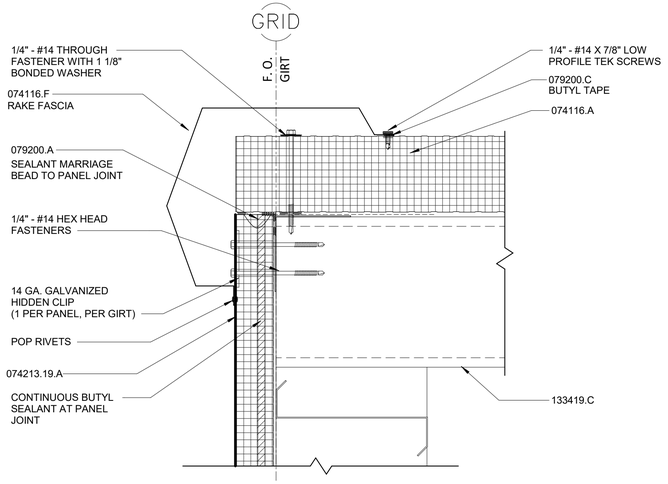
ISSUED DATE 10/28/20

DRAWING

A306

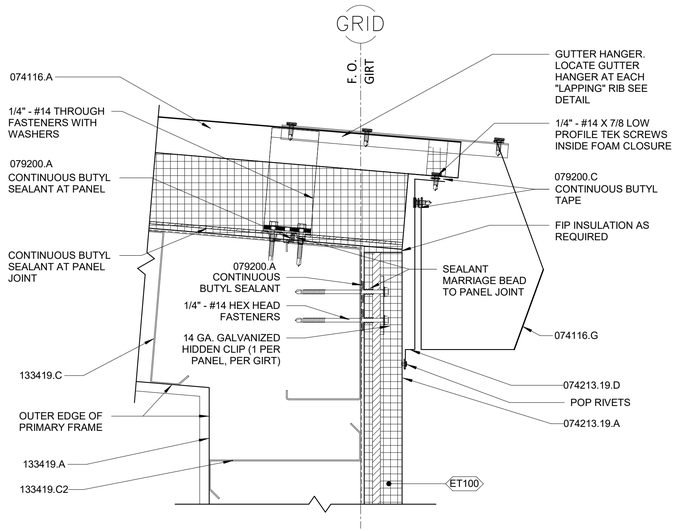
C:\Users\ians\Documents\20018-01 Coho Building_R20_iansKQD5D.rvt

17027.01



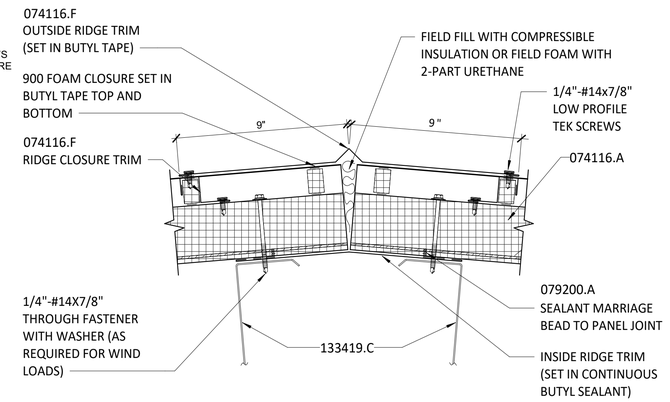
RAKE TRIM 1

SCALE: 3" = 1'-0"



LOW EAVE WITH GUTTER 2

SCALE: 3" = 1'-0"

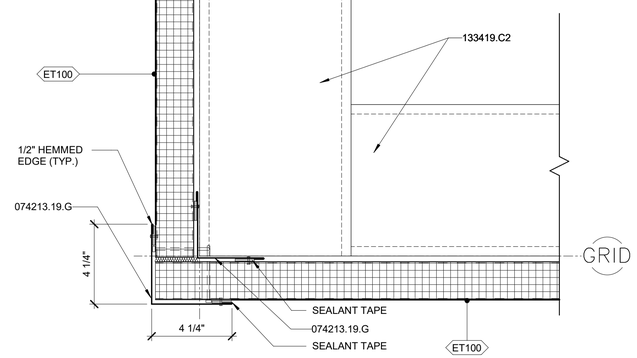


RIDGE 3

SCALE: 3" = 1'-0"

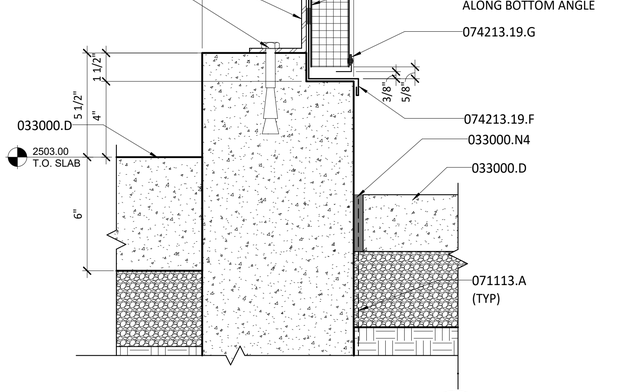
033000.D	CONCRETE SLAB-ON-GRADE, SEE STRUCTURAL.
033000.N4	JOINT FILLER.
055000.Q	ANCHOR BOLT.
071113.A	BITUMINOUS DAMPPROOFING.
074116.A	INSULATED-CORE METAL ROOF PANEL.
074116.F	METAL TRIM.
074116.G	GUTTER.
074116.H	DOWNSPOUT.
074213.19.A	INSULATED METAL WALL PANELS.
074213.19.D	CLOSURE STRIP.
074213.19.F	METAL FLASHING.
074213.19.G	METAL TRIM.
079200.A	JOINT SEALANT.
079200.C	BOND BREAKER TAPE.
133419.A	METAL BUILDING PRIMARY-FRAME.
133419.C	PURLIN.
133419.C2	WALL GIRTS.
133419.C5	WALL / BASE ANGLE.

CONDOC



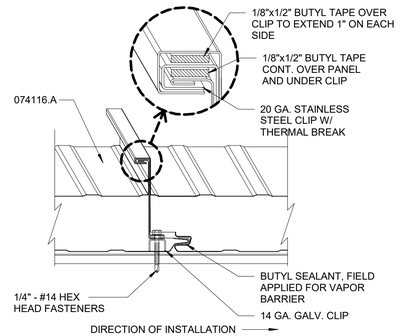
OUTSIDE CORNER TRIM 4

SCALE: 3" = 1'-0"



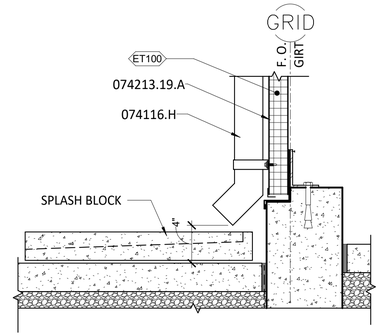
SILL DETAIL 5

SCALE: 3" = 1'-0"



PANEL JOINT 6

SCALE: 3" = 1'-0"



DOWNSPOUT DETAIL 7

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

REV	DATE	BY	DESCRIPTION

THESE DOCUMENTS ILLUSTRATE A BASIS OF DESIGN FOR A PRE-ENGINEERED METAL BUILDING.

THE SELECTED PRE-ENGINEERED METAL BUILDING VENDOR IS RESPONSIBLE FOR PROVIDING A DEFERRED SUBMITTAL THAT INCLUDES FULLY ENGINEERED DRAWINGS, DETAILS AND CALCULATIONS FOR APPROVAL.

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 DETAILS 1

DESIGNED IS

DRAWN IS

CHECKED MH

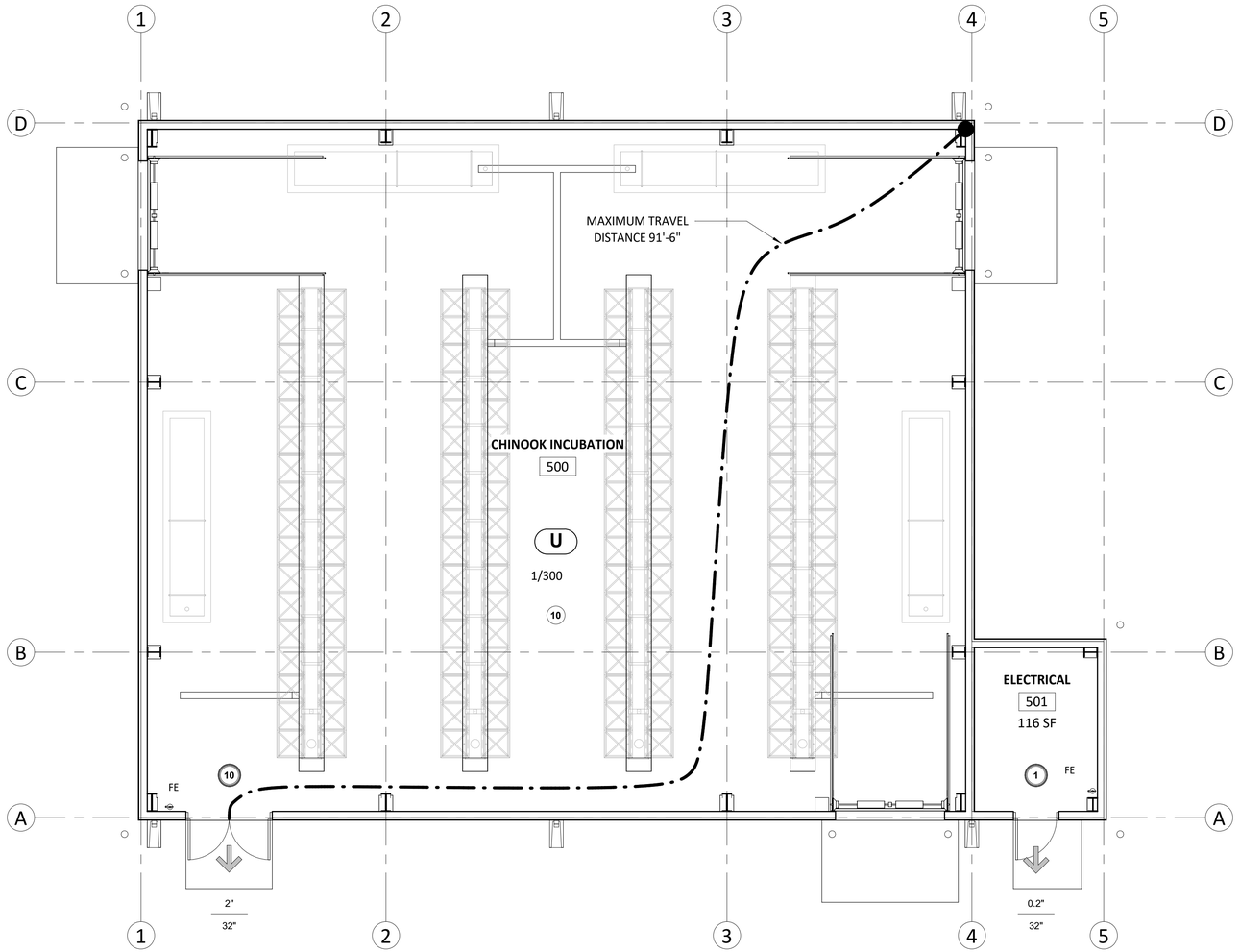
ISSUED DATE 10/28/20

DRAWING

A307

17027.01

C:\Users\ians\Documents\20018-01 Coho Building_R20_iansKQD5D.rvt

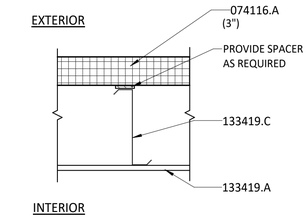


CHINOOK INCUBATION BUILDING CODE PLAN

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

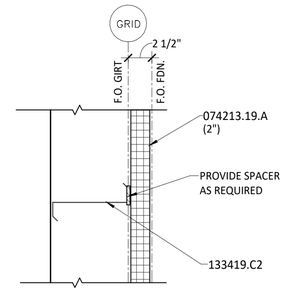
0 2 4

ROOF TYPES



RT01 METAL BUILDING WITH STANDING SEAM INSULATED METAL SEAM ROOF PANELS

EXTERIOR WALL TYPES



ET100 METAL BUILDING WITH INSULATED METAL WALL PANEL

EXTERIOR WALL TYPE LEGEND

EXTERIOR WALL

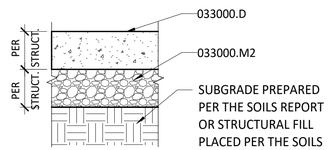
WALL MATERIAL - SUPPORTING STRUCTURE
1 - METAL BUILDING STRUCTURE - SPEC. SECTION 133419

SUB CATEGORY - FINISH SERIES #:
0 - INSULATED METAL WALL PANELS - SPEC. SECTION 074213.19.A

ET000

DELINEATION # IN SERIES

FLOOR TYPES



FT01 CONCRETE SLAB ON GRADE, THICKNESS VARIES, SEE STRUCTURAL

CODE ANALYSIS

1. SISKIYOU COUNTY, CALIFORNIA, CURRENT ADOPTED CODES
   - CODE: 2019 CALIFORNIA BUILDING CODE, TITLE 24, VOLUMES 1 & 2, PART 2
   - CODE: 2019 CALIFORNIA ELECTRICAL CODE, TITLE 24, PART 3
   - CODE: 2019 CALIFORNIA MECHANICAL CODE, TITLE 24, PART 4
   - CODE: 2019 CALIFORNIA PLUMBING CODE, TITLE 24, PART 5
   - CODE: 2019 CALIFORNIA ENERGY CODE, TITLE 24, PART 6 (EXEMPT)
   - CODE: 2019 CALIFORNIA FIRE CODE, TITLE 24, PART 9
2. FOR ADDITIONAL CODE INFORMATION, REFER TO SHEET GS001 - STRUCTURAL GENERAL NOTES

OVERALL BUILDING CODE DATA

OCCUPANCY TYPE	OCCUPANCY LOAD/SF	BUILDING AREA	MAX. OCCUPANCY LOAD
U	1 OCC. / 300 S.F.	3,227 S.F.	11
TOTAL			11

TYPE OF CONSTRUCTION:	TYPE II-B
NON SPRINKLERED BUILDING	
BASIC ALLOWABLE HEIGHT *(PER TABLE 504.3)*:	(3 STORIES) 55'-0"
PROPOSED BUILDING HEIGHT:	(1 STORY) 18'-0"
BASIC ALLOWABLE AREA *(PER TABLE 506.2)*:	8,500 S.F.
PROPOSED BUILDING AREA:	3,227 S.F.
COMMAN PATH OF EGRESS TRAVEL *(PER TABLE 1006.2.1)*:	100'
MAXIMUM TRAVEL DISTANCE ALLOWED (PER *TABLE 1017.2)*:	300'
NUMBER OF EXITS REQUIRED *(PER TABLE 1006.2.1)*:	1, (1 PROVIDED)

FIRE RESISTIVE REQUIREMENTS FOR BUILDING ELEMENTS *(TABLE 601)* :
- A. STRUCTURAL FRAME: NON-RATED
- B. EXTERIOR BEARING WALLS: NON-RATED
- C. INTERIOR BEARING WALLS: NON-RATED
- D. FLOOR CONSTRUCTION: NON-RATED
- E. ROOF CONSTRUCTION: NON-RATED

FIRE RESISTIVE REQUIREMENTS OF EXTERIOR WALLS (*TABLE 602)*:
ALL EXTERIOR WALLS HAVE FIRE SEPARATION DISTANCE GREATER THAN 10 FEET, THEREFORE ARE NOT REQUIRED TO BE RATED.

LEGEND

ROOM NAME

- 101 — ROOM NAME AND NUMBER
- U — AREA OCCUPANCY
- # — TOTAL OCCUPANT LOAD IN ROOM (AS PER TITLE 24, PART 2, TABLE 1004.5)
- # — TOTAL OCCUPANT LOAD EXITING FROM BUILDING / OCCUPANCY
- REQUIRED BUILDING EGRESS WITH LOAD AND MINIMUM WIDTH
- X" — REQUIRED EXIT WIDTH (AS PER TITLE 24, PART 2, TABLE 1005.3.2)
- X" — ACTUAL EXIT WIDTH
- FE — LOCATION OF BRACKET HUNG FIRE EXTINGUISHER
- MAXIMUM TRAVEL DISTANCE ROUTE

CONDOC

033000.D	CONCRETE SLAB-ON-GRADE, SEE STRUCTURAL.
033000.M2	GRANULAR FILL.
074116.A	INSULATED-CORE METAL ROOF PANEL.
074213.19.A	INSULATED METAL WALL PANELS.
133419.A	METAL BUILDING PRIMARY-FRAME.
133419.C	PURLIN.
133419.C2	WALL GIRTS.

REV	DATE	BY	DESCRIPTION

THESE DOCUMENTS ILLUSTRATE A BASIS OF DESIGN FOR A PRE-ENGINEERED METAL BUILDING.

THE SELECTED PRE-ENGINEERED METAL BUILDING VENDOR IS RESPONSIBLE FOR PROVIDING A DEFERRED SUBMITTAL THAT INCLUDES FULLY ENGINEERED DRAWINGS, DETAILS AND CALCULATIONS FOR APPROVAL.

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 CODE PLAN AND ASSEMBLY TYPES

DESIGNED IS

DRAWN IS

CHECKED MH

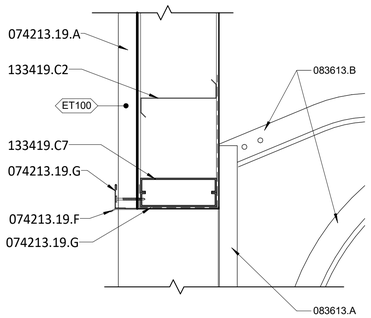
ISSUED DATE 10/28/20

DRAWING

A500

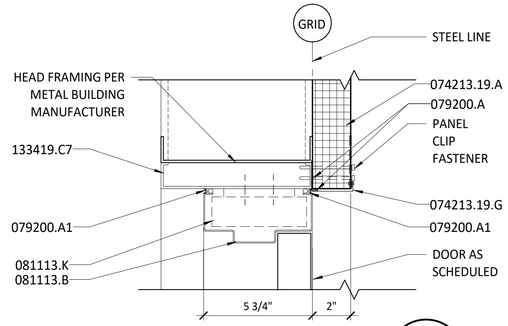
C:\Users\ians\Documents\20018-01 Chinook Incubation Building_R20_iansKQD5D.rvt

17027.01



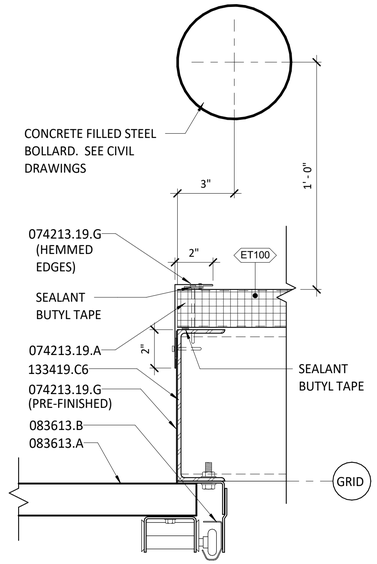
COILING DOOR HEAD 1

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



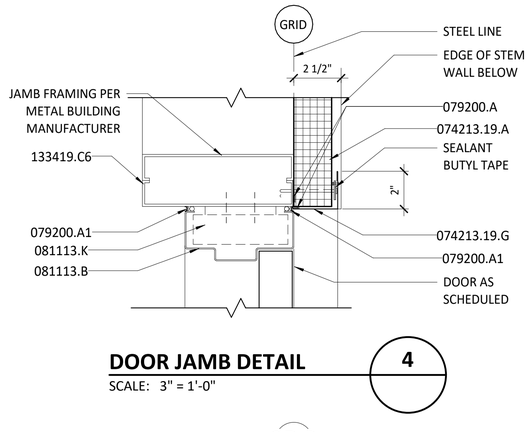
DOOR HEAD DETAIL 2

SCALE: 3" = 1'-0"



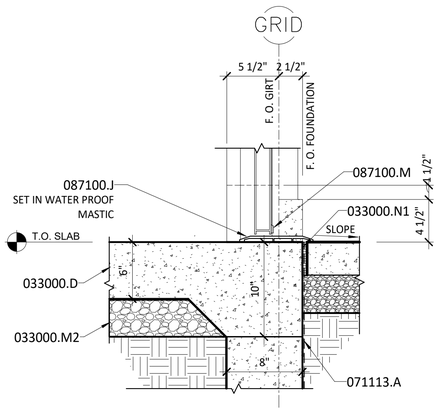
OH DOOR JAMB 3

SCALE: 3" = 1'-0"



DOOR JAMB DETAIL 4

SCALE: 3" = 1'-0"



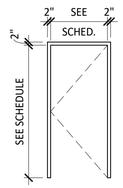
DOOR SILL DETAIL 5

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

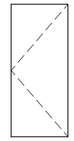
DOOR SCHEDULE

DOOR MARK	1. DOOR SIZE		2. Door Type	3. Door Const.	4. Facing Finish	5. Glass	6. Fire Rating	7. Frame Type	8. Frame Const.	SEE DETAILS THIS SHEET U.N.O.			9. Remarks
	WIDTH	HEIGHT								HEAD	JAMB	SILL	
500A	8' - 0"	10' - 0"	S	STI	FF	-	-	-	-	1/A501	3/A501	-	1, 2
500B	8' - 0"	10' - 0"	S	STI	FF	-	-	-	-	1/A501	3/A501	-	1, 2
500C	8' - 0"	10' - 0"	S	STI	FF	-	-	-	-	1/A501	3/A501	-	1, 2
500D	6' - 0"	7' - 0"	F2	HMI	FF	-	-	01	HM	2/A501	4/A501	5/A501	-
501	3' - 0"	7' - 0"	F	HMI	FF	-	-	01	HM	2/A501	4/A501	5/A501	-

DOOR FRAMES AND DOOR TYPES

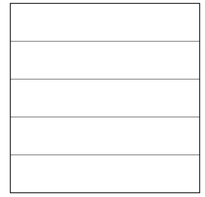


01



FLUSH

F



SECTIONAL OVERHEAD

S

CONDOC

033000.D	CONCRETE SLAB-ON-GRADE, SEE STRUCTURAL.
033000.M2	GRANULAR FILL.
033000.N1	CONTRACTION JOINT.
071113.A	BITUMINOUS DAMPPROOFING.
074213.19.A	INSULATED METAL WALL PANELS.
074213.19.F	METAL FLASHING.
074213.19.G	METAL TRIM.
079200.A	JOINT SEALANT.
079200.A1	SEALANT OVER BACKER ROD.
081113.B	HOLLOW-METAL FRAME.
081113.K	FRAME ANCHOR.
083613.A	SECTIONAL OVERHEAD DOOR.
083613.B	TRACK.
087100.J	THRESHOLD.
087100.M	METAL PROTECTIVE TRIM UNIT.
133419.C2	WALL GIRTS.
133419.C6	JAMB / SILL FRAMING.
133419.C7	HEADER FRAMING.

DOOR LEGEND

1. DOOR SIZE
2. DOOR TYPE: SEE DOOR TYPES THIS SHEET
3. DOOR CONSTRUCTION:
   - HM= HOLLOW METAL
   - HMI = HOLLOW METAL INSULATED
   - STI = STEEL INSULATED
4. FACING AND FINISH:
   - FF = FACTORY FINISH
   - MP = METAL PAINTED
   - PW = PREFINISHED WOOD
5. GLASS: SEE GLAZING THIS SHEET.
6. FIRE RATING IN MINUTES
7. FRAME TYPE: SEE DOOR FRAME TYPES, THIS SHEET
   - A. SEE WINDOW FRAME TYPES FOR DOORS IN WINDOW FRAME ASSEMBLIES.
8. FRAME CONSTRUCTION:
   - AL = ALUMINUM
   - HM = HOLLOW METAL
9. REMARKS:
   1. STEEL INSULATED SECTIONAL DOOR, FACTORY FINISHED INTERIOR AND EXTERIOR FACE. VERIFY CHAIN HOIST LOCATION PRIOR TO FABRICATION. COORDINATE LOCATION WITH METAL BUILDING PRIMARY FRAME MEMBERS
   2. COORDINATE STRUCTURAL MEMBERS FOR ATTACHMENT OF JAMB TRACKS WITH METAL BUILDING MANUFACTURER.

GENERAL DOOR NOTES

1. PRE-ENGINEERED METAL BUILDING VENDOR TO VERIFY ALL CLEARANCES OF OVERHEAD DOOR HOODS, CHAIN HOIST MECHANISMS, RAILS, GUIDES ETC. DO NOT CONFLICT WITH ADJACENT METAL BUILDING FRAMING MEMBERS.

2. PRE-ENGINEERED METAL BUILDING VENDOR TO PROVIDE ALL NECESSARY JAMB AND HEAD FRAMING AT ALL DOOR OPENINGS TO ALLOW FOR ANCHORAGE OF ALL DOOR HARDWARE.

REV	DATE	BY	DESCRIPTION

THESE DOCUMENTS ILLUSTRATE A BASIS OF DESIGN FOR A PRE-ENGINEERED METAL BUILDING.

THE SELECTED PRE-ENGINEERED METAL BUILDING VENDOR IS RESPONSIBLE FOR PROVIDING A DEFERRED SUBMITTAL THAT INCLUDES FULLY ENGINEERED DRAWINGS, DETAILS AND CALCULATIONS FOR APPROVAL.

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 DOOR SCHEDULE AND DETAILS

DESIGNED IS

DRAWN IS

CHECKED MH

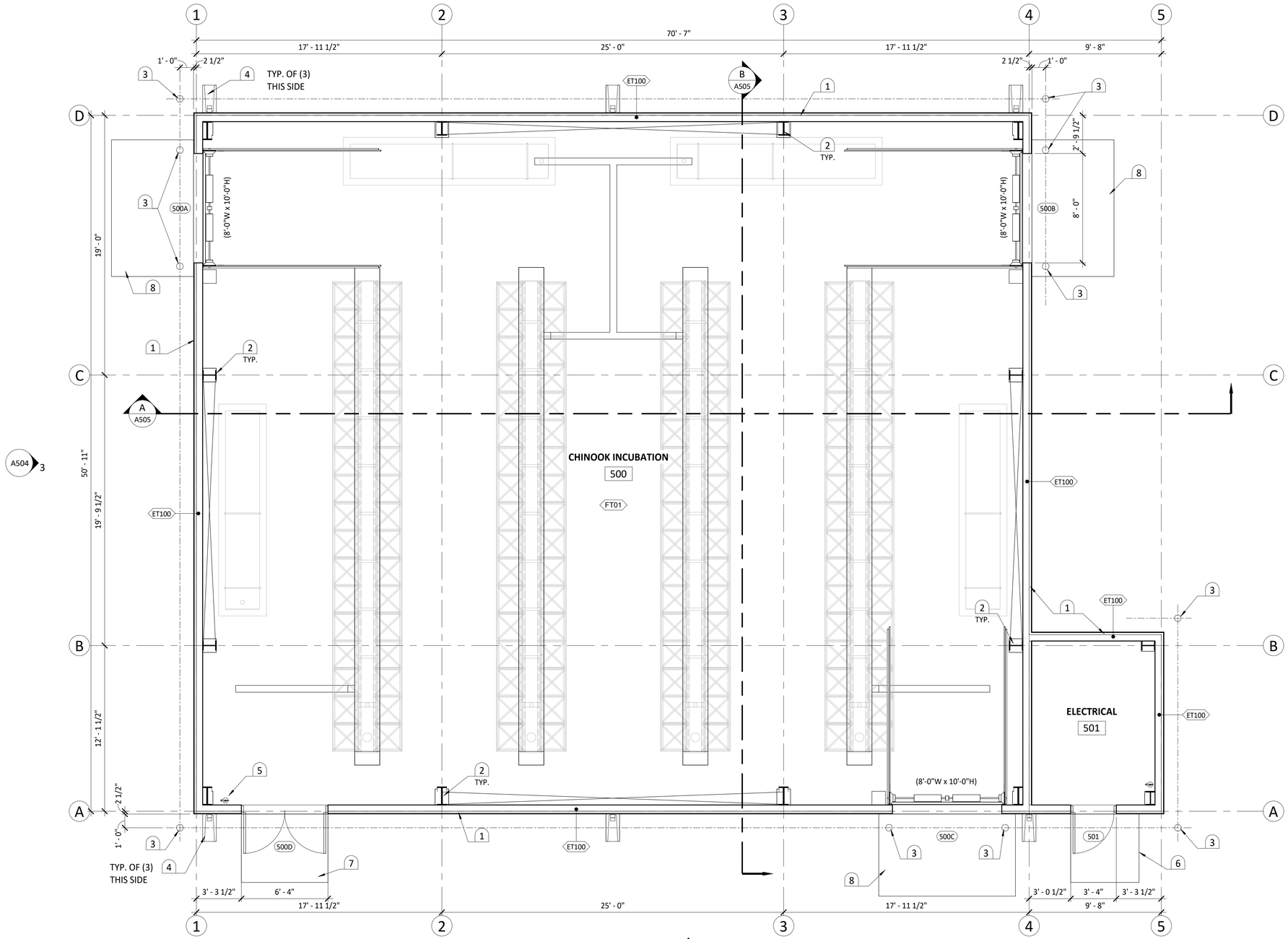
ISSUED DATE 10/28/20

DRAWING

A501

C:\Users\ians\Documents\20018-01 Chinook Incubation Building_R20_iansKQD5D.rvt

17027.01



CHINOOK INCUBATION BUILDING FLOOR PLAN

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

KEYNOTES

1. EXTERIOR INSULATED METAL WALL PANELS TO BE PROVIDED AS PART OF PRE-ENGINEERED METAL BUILDING PACKAGE.
2. STRUCTURAL STEEL COLUMNS AS PART OF PRE-ENGINEERED METAL BUILDING PACKAGE.
3. CONCRETE FILLED STEEL BOLLARD. SEE CIVIL DRAWINGS.
4. DOWNSPOUT LOCATION. PROVIDE SPLASHBLOCK AT GRADE. SEE DETAIL 8/A506.
5. BRACKET MOUNTED PORTABLE FIRE EXTINGUISHER.
6. 4" THICK, 5'-0" x 5'-0" CONCRETE LANDING AT MAN DOOR. ALIGN EDGE WITH HINGE SIDE OF DOOR JAMB. FLUSH WITH INTERIOR FLOOR SLAB AND SLOPING AWAY FROM BUILDING AT 2% MAX.
7. 4" THICK, 6'-4" x 5'-0" CONCRETE LANDING AT DOUBLE MAN DOOR, CENTERED ON DOOR OPENING. FLUSH WITH INTERIOR FLOOR SLAB AND SLOPING AWAY FROM BUILDING AT 2% MAX.
8. 6" THICK, 10'-0" x 6'-0" CONCRETE ENTRANCE SLAB CENTERED ON DOOR OPENING. FLUSH WITH INTERIOR FLOOR SLAB AND SLOPING AWAY FROM BUILDING AT 2% MAX.

LEGEND

- ET# — EXTERIOR WALL TYPE ASSEMBLY - SEE SHEET A500
- RT# — ROOF TYPE ASSEMBLY - SEE SHEET A500
- FT# — FLOOR TYPE ASSEMBLY - SEE SHEET A500

FLOOR PLAN NOTES

1. EXTERIOR DIMENSIONS ARE TO GRID/PRE-ENGINEERED METAL BUILDING "STEEL LINE". SEE BUILDING SECTIONS AND DETAILS FOR RELATIONSHIP OF FRAMING/FINISHES TO FACE OF FOUNDATION.
2. EXTERIOR SLABS AND FINISH GRADES TO SLOPE AWAY FROM BUILDING AT 1/8" PER FOOT MINIMUM.
3. SEE CIVIL DRAWINGS FOR RELATIONSHIP OF SITE WORK TO BUILDING.
4. SLOPE SLABS TO FLOOR DRAINS WHERE INDICATED.
5. REFER TO BUILDING SECTIONS AND DETAILS FOR EXTERIOR WALL REQUIREMENTS.
6. COORDINATE OVERHEAD SECTIONAL DOOR JAMBS, RAILS AND CHAIN HOIST MECHANISMS WITH METAL BUILDING PRIMARY FRAME. ENSURE ADEQUATE CLEARANCE FROM CHAIN HOIST MECHANISM TO PRIMARY FRAME ELEMENTS AND MIRROR MECHANISM TO OPPOSITE JAMB IF CONFICT EXISTS.

REV	DATE	BY	DESCRIPTION

THESE DOCUMENTS ILLUSTRATE A BASIS OF DESIGN FOR A PRE-ENGINEERED METAL BUILDING.

THE SELECTED PRE-ENGINEERED METAL BUILDING VENDOR IS RESPONSIBLE FOR PROVIDING A DEFERRED SUBMITTAL THAT INCLUDES FULLY ENGINEERED DRAWINGS, DETAILS AND CALCULATIONS FOR APPROVAL.

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 FLOOR PLAN

DESIGNED IS

DRAWN IS

CHECKED MH

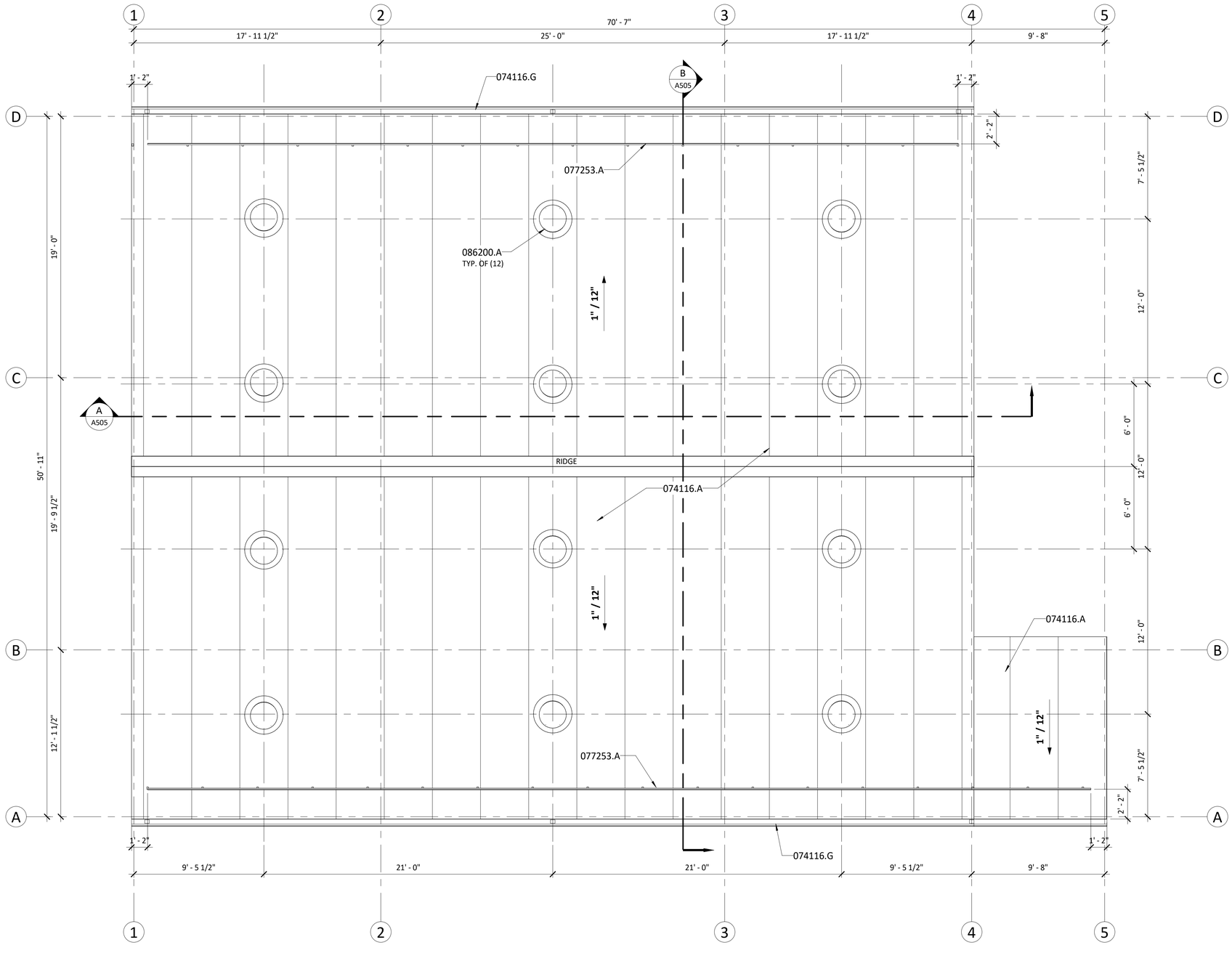
ISSUED DATE 10/28/20

DRAWING

A502

C:\Users\ians\Documents\20018-01 Chinook Incubation Building_R20_iansKQD5D.rvt

17027.01



CHINOOK INCUBATION ROOF PLAN

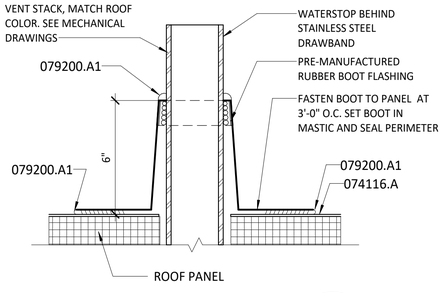
SCALE: 1/4" = 1'-0"

CONDOC

074116.A	INSULATED-CORE METAL ROOF PANEL.
074116.G	GUTTER.
077253.A	SNOW GUARD.
079200.A1	SEALANT OVER BACKER ROD.
086200.A	UNIT SKYLIGHT.

ROOF PLAN NOTES

1. PROVIDE WATER TIGHT SEAL AROUND ALL ROOFTOP EQUIPMENT AND PENETRATIONS, INCLUDING THOSE NOT SHOWN HERE. REFER TO MECHANICAL DRAWINGS FOR EQUIPMENT NOT SHOWN HERE.
2. SEE STRUCTURAL PLANS FOR ROOF FRAMING AND MODIFICATIONS.
3. DO NOT INSTALL ROOF PENETRATIONS THROUGH STANDING SEAMS OF METAL ROOF. INSTALL PENETRATIONS THROUGH FLAT ROOF PAN. SEE ROOF PENETRATION DETAIL 2/A503.
4. METAL ROOF PANEL CONNECTIONS TO REFLECT A FIXED EAVE AND FLOATING RIDGE CONDITION. CLIP CONNECTIONS TO ALLOW EXPANSION AND CONTRACTION OF STANDING SEAM PANEL PER MANUFACTURER'S RECOMMENDATIONS.
5. PRE-ENGINEERED METAL BUILDING VENDOR TO COORDINATE ALL ROOF PURLIN LOCATIONS TO AVOID CONFLICT WITH UNIT SKYLIGHT LOCATIONS.



ROOF PENETRATION 2

SCALE: 3" = 1'-0"

REV	DATE	BY	DESCRIPTION

THESE DOCUMENTS ILLUSTRATE A BASIS OF DESIGN FOR A PRE-ENGINEERED METAL BUILDING.

THE SELECTED PRE-ENGINEERED METAL BUILDING VENDOR IS RESPONSIBLE FOR PROVIDING A DEFERRED SUBMITTAL THAT INCLUDES FULLY ENGINEERED DRAWINGS, DETAILS AND CALCULATIONS FOR APPROVAL.

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 ROOF PLAN

DESIGNED IS

DRAWN IS

CHECKED MH

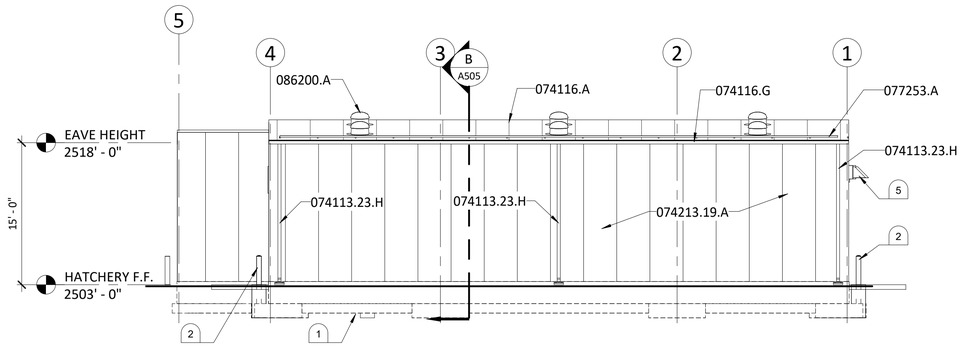
ISSUED DATE 10/28/20

DRAWING

A503

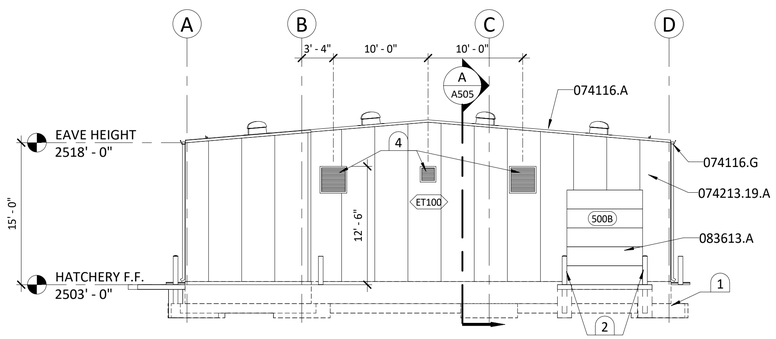
C:\Users\ians\Documents\20018-01 Chinook Incubation Building_R20_iansKQD5D.rvt

17027.01



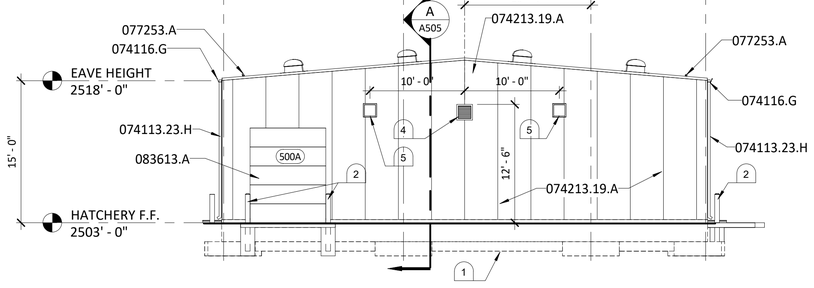
CHINOOK INCUBATION BUILDING NORTH ELEVATION

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



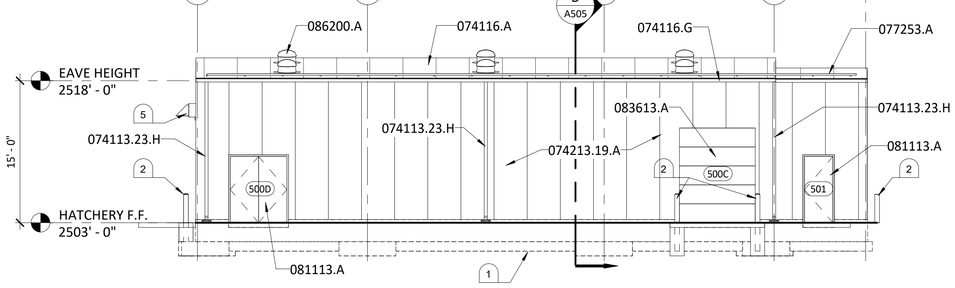
CHINOOK INCUBATION BUILDING EAST ELEVATION

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



CHINOOK INCUBATION BUILDING WEST ELEVATION

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



CHINOOK INCUBATION BUILDING SOUTH ELEVATION

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

CONDOC

074113.23.H	
074116.A	INSULATED-CORE METAL ROOF PANEL.
074116.G	GUTTER.
074213.19.A	INSULATED METAL WALL PANELS.
077253.A	SNOW GUARD.
081113.A	HOLLOW-METAL DOOR
083613.A	SECTIONAL OVERHEAD DOOR.
086200.A	UNIT SKYLIGHT.

KEYNOTES

1. LINE OF FOOTING, SEE STRUCTURAL.
2. CONCRETE FILLED STEEL BOLLARD (TYP.). NOT ALL BOLLARDS ARE SHOWN FOR CLARITY. SEE A502 FOR LOCATIONS OF ALL BOLLARDS AND SEE CIVIL DRAWINGS FOR INSTALLATION DETAILS.
3. PRE-ENGINEERED METAL BUILDING STRUCTURE.
4. MECHANICAL LOUVER - REFER TO SHEET GH001 - HVAC SCHEDULES AND SPEC SECTIONS 08 91 16 AND 08 91 19 FOR ADDITIONAL INFORMATION.
5. MECHANICAL EXHAUST FAN - REFER TO SHEET GH001 - HVAC SCHEDULES AND SPEC SECTIONS 08 91 16 AND 08 91 19 FOR ADDITIONAL INFORMATION

GENERAL NOTES

1. PAINT ALL SURFACES OF EXPOSED STRUCTURAL STEEL, STEEL FABRICATIONS, HOLLOW METAL FRAMES, AND HOLLOW METAL DOORS U.O.N.
2. SEE SPEC SECTIONS 08 36 13 AND 08 71 00 FOR STANDARD HARDWARE.
3. ALL DOORS SHALL BE CONSTRUCTED AS DETAILED TO ACTUAL OPENING DIMENSIONS, VERIFY PRIOR TO FABRICATION. SEE SHEET A301 FOR DOOR TYPES.
4. INSTALL SEALANT BETWEEN DISSIMILAR MATERIALS.
5. PRE-ENGINEERED METAL BUILDING VENDOR TO COORDINATE ALL MECHANICAL EXHAUST FAN AND LOUVER LOCATIONS WITH INTERIOR CROSS BRACING LOCATIONS. NOTIFY ARCHITECT OF ANY CONFLICTS PRIOR TO WALL PANEL FABRICATION.
6. PRE-ENGINEERED METAL BUILDING VENDOR TO COORDINATE ALL ROOF PURLIN LOCATIONS TO AVOID CONFLICT WITH UNIT SKYLIGHT LOCATIONS.

REV	DATE	BY	DESCRIPTION

THESE DOCUMENTS ILLUSTRATE A BASIS OF DESIGN FOR A PRE-ENGINEERED METAL BUILDING.

THE SELECTED PRE-ENGINEERED METAL BUILDING VENDOR IS RESPONSIBLE FOR PROVIDING A DEFERRED SUBMITTAL THAT INCLUDES FULLY ENGINEERED DRAWINGS, DETAILS AND CALCULATIONS FOR APPROVAL.

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 EXTERIOR ELEVATIONS 1

DESIGNED IS

DRAWN IS

CHECKED MH

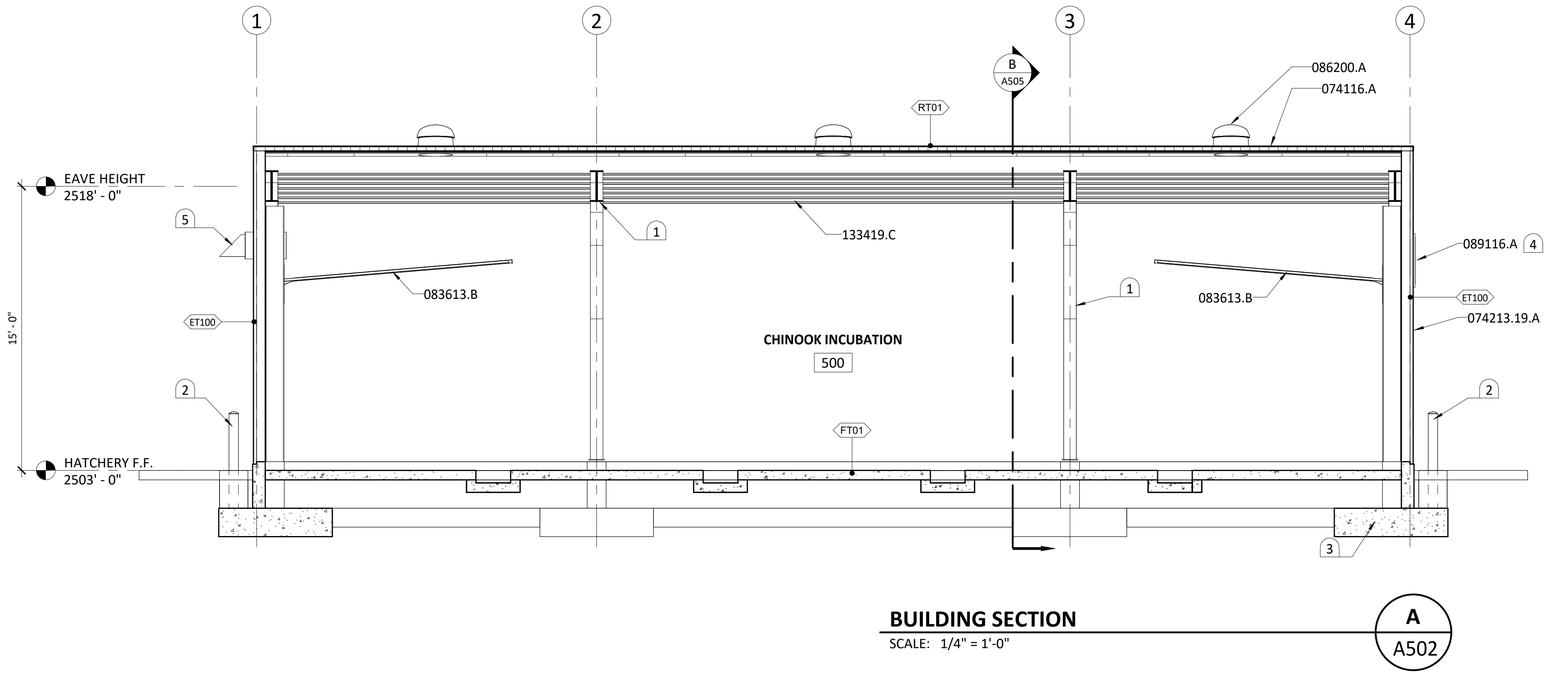
ISSUED DATE 10/28/20

DRAWING

A504

C:\Users\ians\Documents\20018-01 Chinook Incubation Building_R20_ianskQD5D.rvt

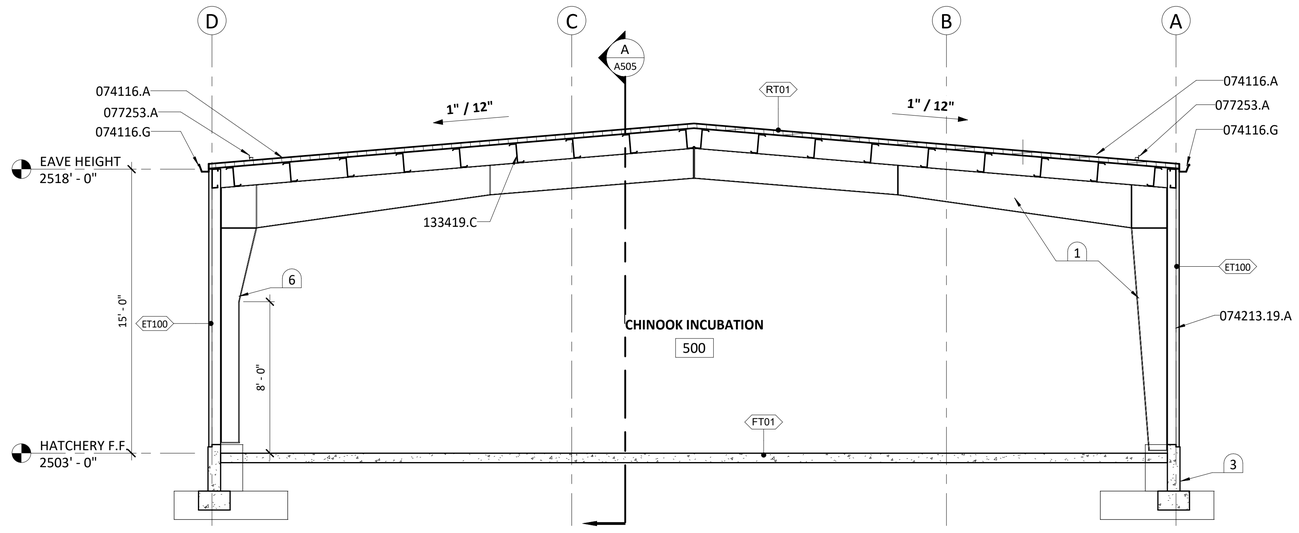
17027.01



BUILDING SECTION

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

A / A502



BUILDING SECTION

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

B / A502

CONDOC

074116.A	INSULATED-CORE METAL ROOF PANEL.
074116.G	GUTTER.
074213.19.A	INSULATED METAL WALL PANELS.
077253.A	SNOW GUARD.
083613.B	TRACK.
086200.A	UNIT SKYLIGHT.
089116.A	OPERABLE LOUVER.
133419.C	PURLIN.

KEYNOTES

1. PRE-ENGINEERED METAL BUILDING STRUCTURE.
2. CONCRETE FILLED STEEL BOLLARD (TYP.). NOT ALL BOLLARDS ARE SHOWN FOR CLARITY. SEE A502 FOR LOCATIONS OF ALL BOLLARDS AND SEE CIVIL DRAWINGS FOR INSTALLATION DETAILS.
3. CONCRETE FOOTING. SEE STRUCTURAL.
4. MECHANICAL LOUVER - REFER TO SHEET GH001 - HVAC SCHEDULES AND SPEC SECTIONS 08 91 16 AND 08 91 19 FOR ADDITIONAL INFORMATION.
5. MECHANICAL EXHAUST FAN - REFER TO SHEET GH001 - HVAC SCHEDULES AND SPEC SECTIONS 08 91 16 AND 08 91 19 FOR ADDITIONAL INFORMATION.
6. SPECIAL FRAME PROFILE. SEE STRUCTURAL FOR LOCATIONS.

LEGEND

- ET# — EXTERIOR WALL TYPE ASSEMBLY - SEE SHEET A500
- RT# — ROOF TYPE ASSEMBLY - SEE SHEET A500
- FT# — FLOOR TYPE ASSEMBLY - SEE SHEET A500

GENERAL NOTES

1. PRE-ENGINEERED METAL BUILDING VENDOR TO COORDINATE ALL ROOF PURLIN LOCATIONS TO AVOID CONFLICT WITH UNIT SKYLIGHT LOCATIONS.

REV	DATE	BY	DESCRIPTION

THESE DOCUMENTS ILLUSTRATE A BASIS OF DESIGN FOR A PRE-ENGINEERED METAL BUILDING.

THE SELECTED PRE-ENGINEERED METAL BUILDING VENDOR IS RESPONSIBLE FOR PROVIDING A DEFERRED SUBMITTAL THAT INCLUDES FULLY ENGINEERED DRAWINGS, DETAILS AND CALCULATIONS FOR APPROVAL.

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 SECTIONS 1

DESIGNED IS

DRAWN IS

CHECKED MH

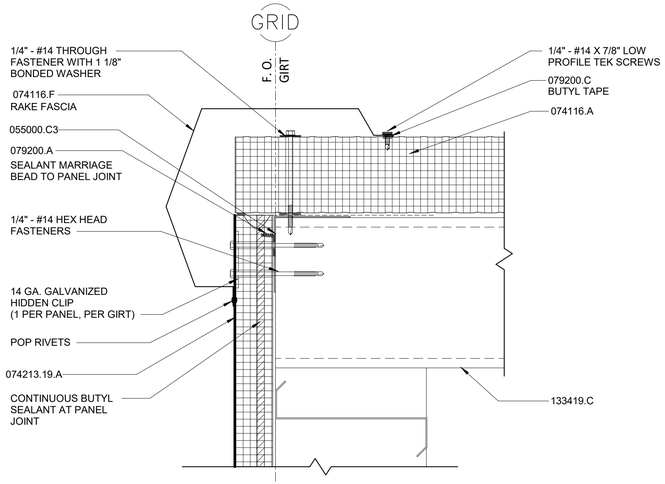
ISSUED DATE 10/28/20

DRAWING

A505

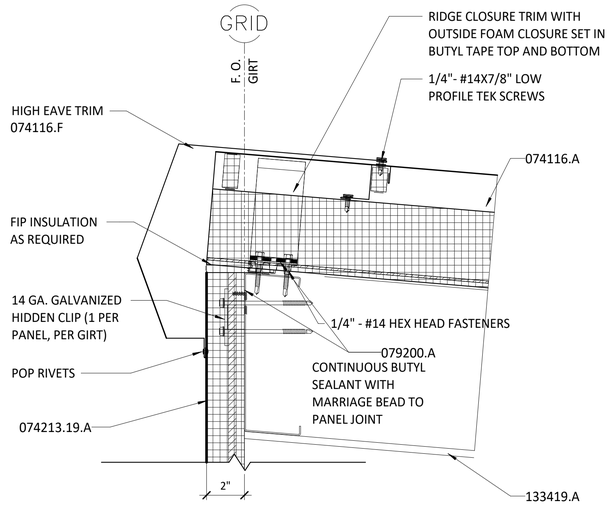
C:\Users\ians\Documents\20018-01 Chinook Incubation Building_R20_iansKQD5D.rvt

17027.01



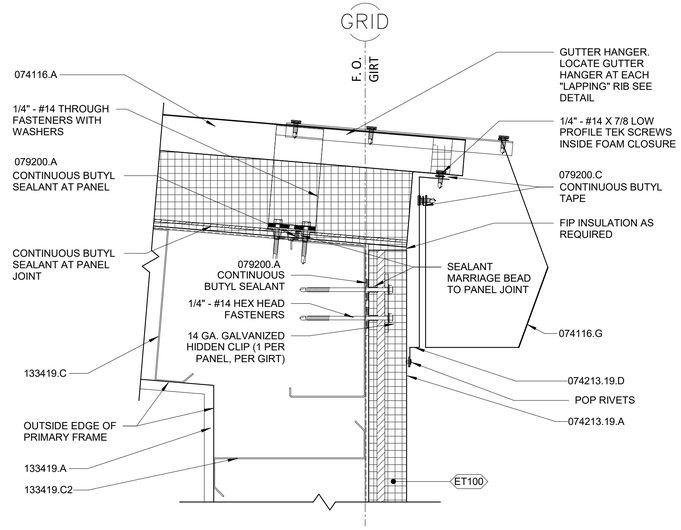
RAKE TRIM 1

SCALE: 3" = 1'-0"



HIGH EAVE 2

SCALE: 3" = 1'-0"

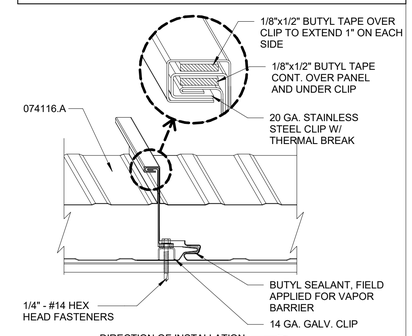


LOW EAVE WITH GUTTER 3

SCALE: 3" = 1'-0"

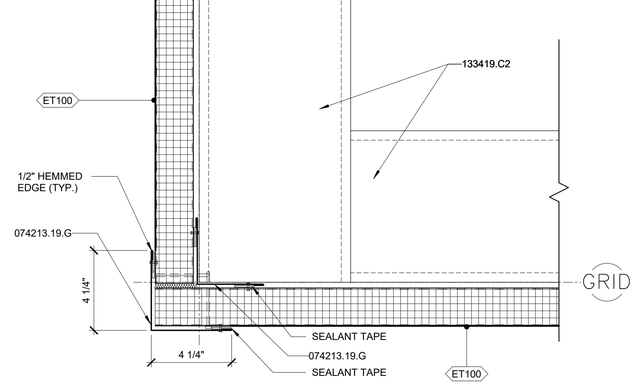
CONDOC

033000.D	CONCRETE SLAB-ON-GRADE, SEE STRUCTURAL.
033000.N4	JOINT FILLER.
055000.C3	METAL ANGLE TRIM.
055000.Q	ANCHOR BOLT.
071113.A	BITUMINOUS DAMPPROOFING.
074116.A	INSULATED-CORE METAL ROOF PANEL.
074116.F	METAL TRIM.
074116.G	GUTTER.
074116.H	DOWNSPOUT.
074213.19.A	INSULATED METAL WALL PANELS.
074213.19.D	CLOSURE STRIP.
074213.19.F	METAL FLASHING.
074213.19.G	METAL TRIM.
079200.A	JOINT SEALANT.
079200.C	BOND BREAKER TAPE.
133419.A	METAL BUILDING PRIMARY-FRAME.
133419.C	PURLIN.
133419.C2	WALL GIRTS.
133419.C5	WALL / BASE ANGLE.



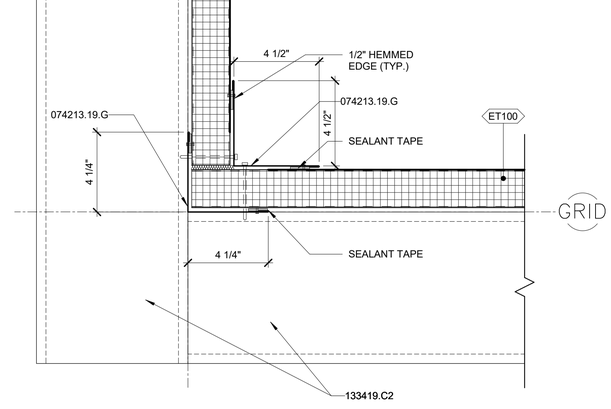
PANEL JOINT 7

SCALE: 3" = 1'-0"



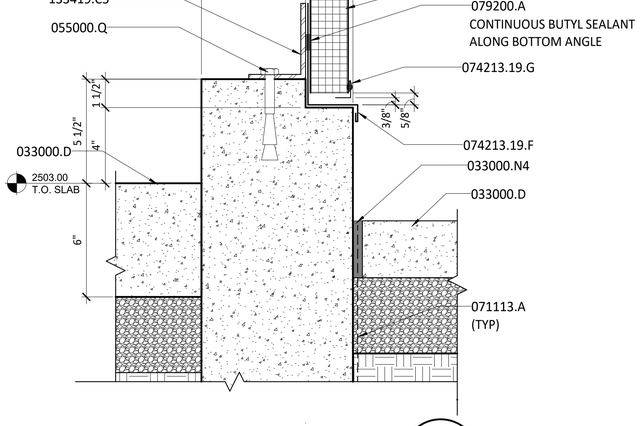
OUTSIDE CORNER TRIM 4

SCALE: 3" = 1'-0"



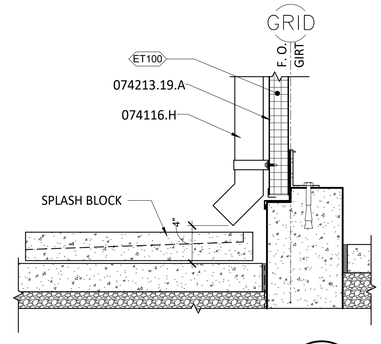
INSIDE CORNER TRIM 5

SCALE: 3" = 1'-0"



SILL DETAIL 6

SCALE: 3" = 1'-0"



DOWNSPOUT DETAIL 8

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

REV	DATE	BY	DESCRIPTION

THESE DOCUMENTS ILLUSTRATE A BASIS OF DESIGN FOR A PRE-ENGINEERED METAL BUILDING.

THE SELECTED PRE-ENGINEERED METAL BUILDING VENDOR IS RESPONSIBLE FOR PROVIDING A DEFERRED SUBMITTAL THAT INCLUDES FULLY ENGINEERED DRAWINGS, DETAILS AND CALCULATIONS FOR APPROVAL.

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 DETAILS 1

DESIGNED IS

DRAWN IS

CHECKED MH

ISSUED DATE 10/28/20

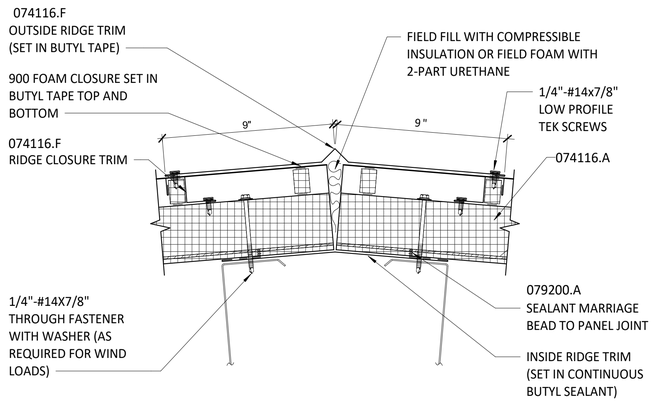
DRAWING

A506

17027.01

C:\Users\ians\Documents\20018-01 Chinook Incubation Building_R20_iansKQD5D.rvt

CONDOC	
074116.A	INSULATED-CORE METAL ROOF PANEL.
074116.F	METAL TRIM.
079200.A	JOINT SEALANT.



RIDGE 1

SCALE: 3" = 1'-0"

REV	DATE	BY	DESCRIPTION

THESE DOCUMENTS ILLUSTRATE A BASIS OF DESIGN FOR A PRE-ENGINEERED METAL BUILDING.

THE SELECTED PRE-ENGINEERED METAL BUILDING VENDOR IS RESPONSIBLE FOR PROVIDING A DEFERRED SUBMITTAL THAT INCLUDES FULLY ENGINEERED DRAWINGS, DETAILS AND CALCULATIONS FOR APPROVAL.

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 DETAILS 2

DESIGNED IS

DRAWN IS

CHECKED MH

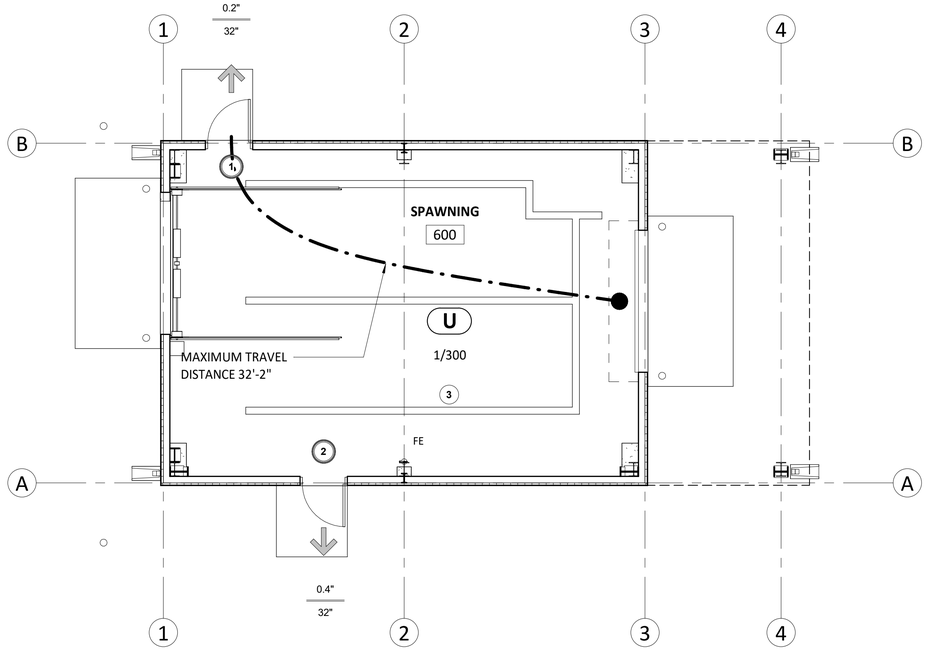
ISSUED DATE 10/28/20

DRAWING

A507

17027.01

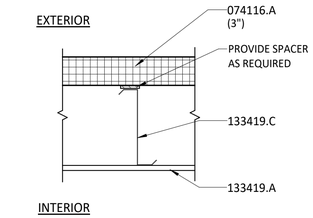
C:\Users\ians\Documents\20018-01 Chinook Incubation Building_R20_iansKQD5D.rvt



SPAWNING BUILDING CODE PLAN

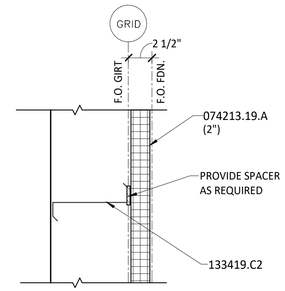
SCALE: 3/16" = 1'-0"

ROOF TYPES



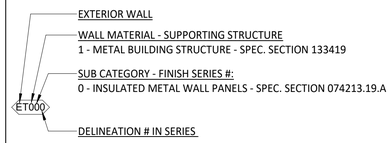
RT01 METAL BUILDING WITH STANDING SEAM INSULATED METAL SEAM ROOF PANELS

EXTERIOR WALL TYPES

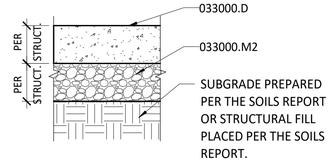


ET100 METAL BUILDING WITH INSULATED METAL WALL PANEL

EXTERIOR WALL TYPE LEGEND



FLOOR TYPES



FT01 CONCRETE SLAB ON GRADE, THICKNESS VARIES, SEE STRUCTURAL

CODE ANALYSIS

1. SISKIYOU COUNTY, CALIFORNIA, CURRENT ADOPTED CODES
   - CODE: 2019 CALIFORNIA BUILDING CODE, TITLE 24, VOLUMES 1 & 2, PART 2
   - CODE: 2019 CALIFORNIA ELECTRICAL CODE, TITLE 24, PART 3
   - CODE: 2019 CALIFORNIA MECHANICAL CODE, TITLE 24, PART 4
   - CODE: 2019 CALIFORNIA PLUMBING CODE, TITLE 24, PART 5
   - CODE: 2019 CALIFORNIA ENERGY CODE, TITLE 24, PART 6 (EXEMPT)
   - CODE: 2019 CALIFORNIA FIRE CODE, TITLE 24, PART 9
2. FOR ADDITIONAL CODE INFORMATION, REFER TO SHEET GS001 - STRUCTURAL GENERAL NOTES

OVERALL BUILDING CODE DATA

OCCUPANCY TYPE	OCCUPANCY LOAD/SF	BUILDING AREA	MAX. OCCUPANCY LOAD
U	1 OCC. / 300 S.F.	1,089 S.F. (812 S.F. ENCLOSED)	3
TOTAL			3

TYPE OF CONSTRUCTION: TYPE II-B
NON SPRINKLERED BUILDING
BASIC ALLOWABLE HEIGHT *(PER TABLE 504.3)*: (3 STORIES) 55'-0"
PROPOSED BUILDING HEIGHT: (1 STORY) 16'-2"
BASIC ALLOWABLE AREA *(PER TABLE 506.2)*: 8,500 S.F.
PROPOSED BUILDING AREA: 812 S.F.

COMMAN PATH OF EGRESS TRAVEL *(PER TABLE 1006.2.1)*: 100'
MAXIMUM TRAVEL DISTANCE ALLOWED (PER *TABLE 1017.2)*: 300'
NUMBER OF EXITS REQUIRED *(PER TABLE 1006.2.1)*: 1, (1 PROVIDED)

FIRE RESISTIVE REQUIREMENTS FOR BUILDING ELEMENTS *(TABLE 601)* :
- A. STRUCTURAL FRAME: NON-RATED
- B. EXTERIOR BEARING WALLS: NON-RATED
- C. INTERIOR BEARING WALLS: NON-RATED
- D. FLOOR CONSTRUCTION: NON-RATED
- E. ROOF CONSTRUCTION: NON-RATED

FIRE RESISTIVE REQUIREMENTS OF EXTERIOR WALLS (*TABLE 602)*:
ALL EXTERIOR WALLS HAVE FIRE SEPARATION DISTANCE GREATER THAN 10 FEET, THEREFORE ARE NOT REQUIRED TO BE RATED.

LEGEND

ROOM NAME
101 — ROOM NAME AND NUMBER
U — AREA OCCUPANCY
— TOTAL OCCUPANT LOAD IN ROOM (AS PER TITLE 24, PART 2, TABLE 1004.5)
— TOTAL OCCUPANT LOAD EXITING FROM BUILDING / OCCUPANCY
REQUIRED BUILDING EGRESS WITH LOAD AND MINIMUM WIDTH
X" — REQUIRED EXIT WIDTH (AS PER TITLE 24, PART 2, TABLE 1005.3.2)
X" — ACTUAL EXIT WIDTH
FE — LOCATION OF BRACKET HUNG FIRE EXTINGUISHER
MAXIMUM TRAVEL DISTANCE ROUTE

CONDOC

033000.D	CONCRETE SLAB-ON-GRADE, SEE STRUCTURAL.
033000.M2	GRANULAR FILL.
074116.A	INSULATED-CORE METAL ROOF PANEL.
074213.19.A	INSULATED METAL WALL PANELS.
133419.A	METAL BUILDING PRIMARY-FRAME.
133419.C	PURLIN.
133419.C2	WALL GIRTS.

REV	DATE	BY	DESCRIPTION

THESE DOCUMENTS ILLUSTRATE A BASIS OF DESIGN FOR A PRE-ENGINEERED METAL BUILDING.

THE SELECTED PRE-ENGINEERED METAL BUILDING VENDOR IS RESPONSIBLE FOR PROVIDING A DEFERRED SUBMITTAL THAT INCLUDES FULLY ENGINEERED DRAWINGS, DETAILS AND CALCULATIONS FOR APPROVAL.

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

McMILLEN JACOBS ASSOCIATES

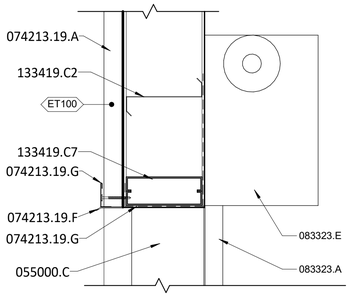
KLAMATH RIVER RENEWAL CORPORATION

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

DESIGNED IS
DRAWN IS
CHECKED MH
ISSUED DATE 10/28/20

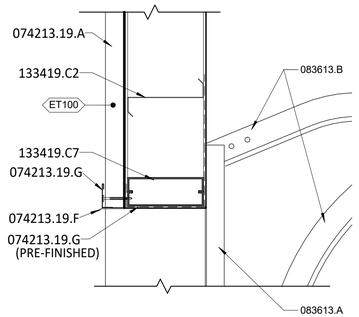
DRAWING
A600

17027.01
C:\Users\ians\Documents\20018-01 Spawn Building_R20_ianskQD5D.rvt



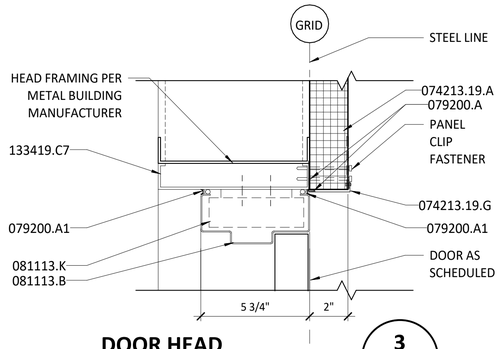
COILING DOOR HEAD 1

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



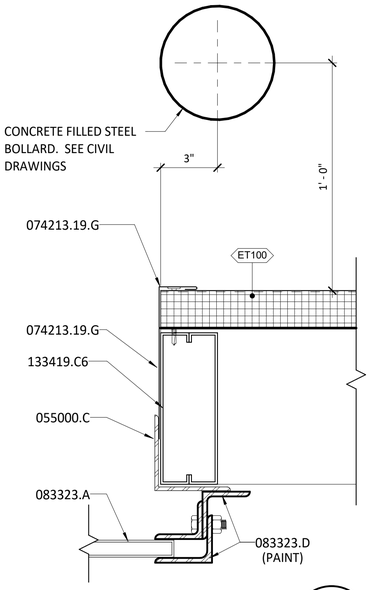
OVERHEAD DOOR HEAD 2

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



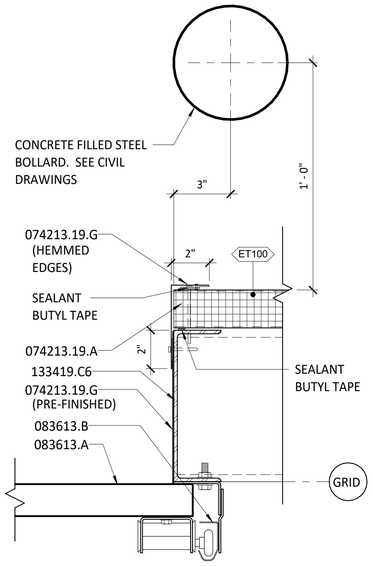
DOOR HEAD 3

SCALE: 3" = 1'-0"



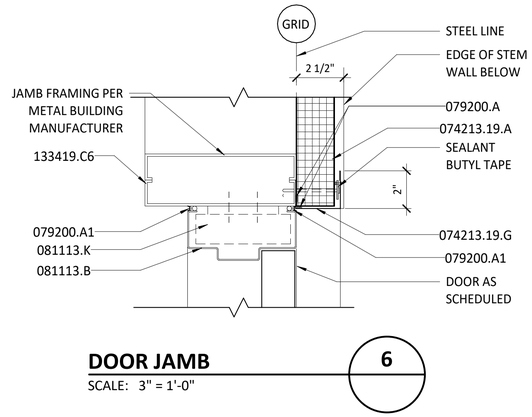
COILING DOOR JAMB 4

SCALE: 3" = 1'-0"



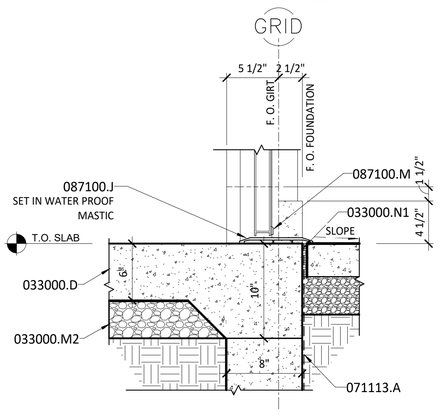
OVERHEAD DOOR JAMB 5

SCALE: 3" = 1'-0"



DOOR JAMB 6

SCALE: 3" = 1'-0"



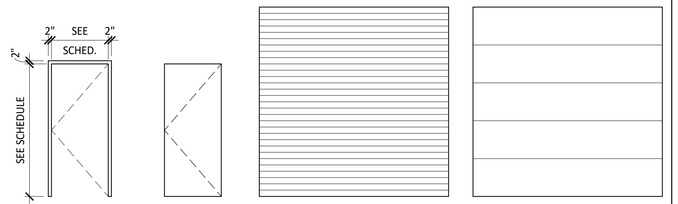
DOOR SILL DETAIL 7

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

DOOR SCHEDULE

DOOR MARK	1. DOOR SIZE		2. Door Type	3. Door Const.	4. Facing Finish	5. Glass	6. Fire Rating	7. Frame Type	8. Frame Const.	SEE DETAILS THIS SHEET U.N.O.			9. Remarks
	WIDTH	HEIGHT								HEAD	JAMB	SILL	
600A	3' - 0"	7' - 0"	F	HMI	FF	-	-	01	HM	3/A601	6/A601	7/A601	-
600B	10' - 0"	10' - 0"	C	STI	FF	-	-	-	-	1/A601	4/A601	-	1, 2
600C	3' - 0"	7' - 0"	F	HMI	FF	-	-	01	HM	3/A601	6/A601	7/A601	-
600D	10' - 0"	10' - 0"	S	STI	FF	-	-	-	-	2/A601	5/A601	-	1, 2

DOOR FRAMES AND DOOR TYPES



01

FLUSH **F**

OVERHEAD COILING **C**

SECTIONAL OVERHEAD **S**

CONDOC

033000.D	CONCRETE SLAB-ON-GRADE, SEE STRUCTURAL.
033000.M2	GRANULAR FILL.
033000.N1	CONTRACTION JOINT.
055000.C	METAL ANGLE.
071113.A	BITUMINOUS DAMPPROOFING.
074213.19.A	INSULATED METAL WALL PANELS.
074213.19.F	METAL FLASHING.
074213.19.G	METAL TRIM.
079200.A	JOINT SEALANT.
079200.A1	SEALANT OVER BACKER ROD.
081113.B	HOLLOW-METAL FRAME.
081113.K	FRAME ANCHOR.
083323.A	OVERHEAD COILING DOOR.
083323.D	CURTAIN JAMB GUIDES.
083323.E	HOOD.
083613.A	SECTIONAL OVERHEAD DOOR.
083613.B	TRACK.
087100.J	THRESHOLD.
087100.M	METAL PROTECTIVE TRIM UNIT.
133419.C2	WALL GIRTS.
133419.C6	JAMB / SILL FRAMING.
133419.C7	HEADER FRAMING.

DOOR LEGEND

1. DOOR SIZE
2. DOOR TYPE: SEE DOOR TYPES THIS SHEET
3. DOOR CONSTRUCTION:
   - HM= HOLLOW METAL
   - HMI = HOLLOW METAL INSULATED
   - STI = STEEL INSULATED
4. FACING AND FINISH:
   - FF = FACTORY FINISH
   - MP = METAL PAINTED
   - PW = PREFINISHED WOOD
5. GLASS: SEE GLAZING THIS SHEET.
6. FIRE RATING IN MINUTES
7. FRAME TYPE: SEE DOOR FRAME TYPES, THIS SHEET
   - A. SEE WINDOW FRAME TYPES FOR DOORS IN WINDOW FRAME ASSEMBLIES.
8. FRAME CONSTRUCTION:
   - AL = ALUMINUM
   - HM = HOLLOW METAL
9. REMARKS:
   1. STEEL INSULATED SECTIONAL OR COILING DOOR, FACTORY FINISHED INTERIOR AND EXTERIOR FACE. VERIFY CHAIN HOIST LOCATION PRIOR TO FABRICATION. COORDINATE LOCATION WITH METAL BUILDING PRIMARY FRAME MEMBERS
   2. COORDINATE STRUCTURAL MEMBERS FOR ATTACHMENT OF JAMB TRACKS WITH METAL BUILDING MANUFACTURER.

GENERAL DOOR NOTES

1. PRE-ENGINEERED METAL BUILDING VENDOR TO VERIFY ALL CLEARANCES OF OVERHEAD DOOR HOODS, CHAIN HOIST MECHANISMS, RAILS, GUIDES ETC. DO NOT CONFLICT WITH ADJACENT METAL BUILDING FRAMING MEMBERS.

2. PRE-ENGINEERED METAL BUILDING VENDOR TO PROVIDE ALL NECESSARY JAMB AND HEAD FRAMING AT ALL DOOR OPENINGS TO ALLOW FOR ANCHORAGE OF ALL DOOR HARDWARE.

REV	DATE	BY	DESCRIPTION

THESE DOCUMENTS ILLUSTRATE A BASIS OF DESIGN FOR A PRE-ENGINEERED METAL BUILDING.

THE SELECTED PRE-ENGINEERED METAL BUILDING VENDOR IS RESPONSIBLE FOR PROVIDING A DEFERRED SUBMITTAL THAT INCLUDES FULLY ENGINEERED DRAWINGS, DETAILS AND CALCULATIONS FOR APPROVAL.

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

SPAWNING BUILDING DOOR SCHEDULE AND DETAILS

DESIGNED IS

DRAWN IS

CHECKED MH

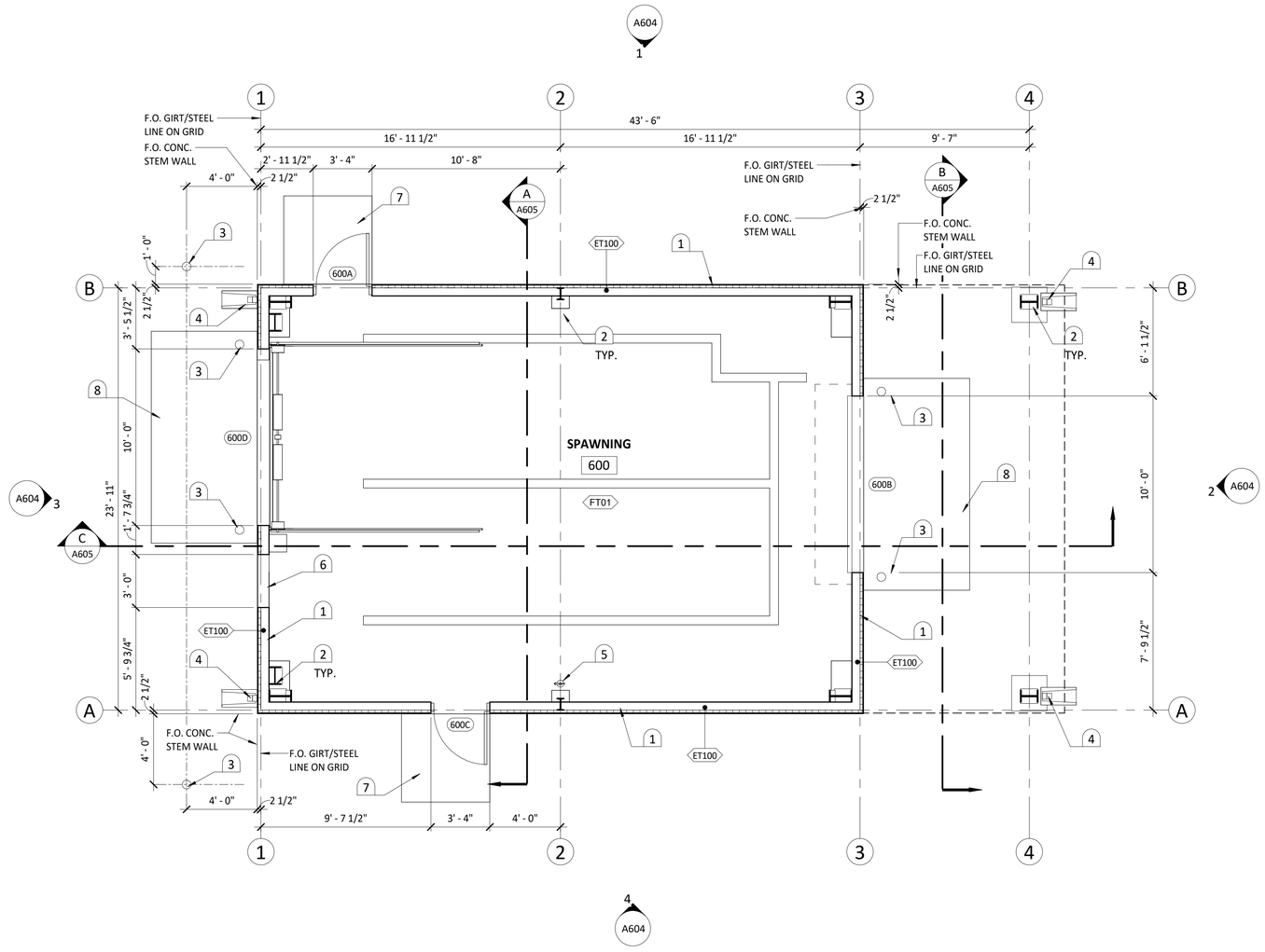
ISSUED DATE 10/28/20

DRAWING

A601

C:\Users\ians\Documents\20018-01 Spawn Building_R20_iansKQD5D.rvt

17027.01



SPAWNING BUILDING FLOOR PLAN

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

0 2 4

KEYNOTES

1. EXTERIOR INSULATED METAL WALL PANELS TO BE PROVIDED AS PART OF PRE-ENGINEERED METAL BUILDING PACKAGE.
2. STRUCTURAL STEEL COLUMNS AS PART OF PRE-ENGINEERED METAL BUILDING PACKAGE.
3. CONCRETE FILLED STEEL BOLLARD. SEE CIVIL DRAWINGS.
4. DOWNSPOUT LOCATION. PROVIDE SPLASHBLOCK AT GRADE. SEE DETAIL 7/A606.
5. BRACKET MOUNTED PORTABLE FIRE EXTINGUISHER.
6. 3'-0" WIDE x 2'-0" HIGH OPENING IN EXTERIOR WALL FOR CONVEYOR SYSTEM, SEE BUILDING ELEVATIONS.
7. 4" THICK, 5'-0" x 5'-0" CONCRETE LANDING AT MAN DOOR. ALIGN EDGE WITH HINGE SIDE DOOR JAMB. FLUSH WITH INTERIOR FLOOR SLAB AND SLOPING AWAY FROM BUILDING AT 2% MAX.
8. 6" THICK, 12'-0" x 6'-0" CONCRETE ENTRANCE SLAB CENTERED ON DOOR OPENING. FLUSH WITH INTERIOR FLOOR SLAB AND SLOPING AWAY FROM BUILDING AT 2% MAX.

LEGEND

- ET# — EXTERIOR WALL TYPE ASSEMBLY - SEE SHEET A600
- RT# — ROOF TYPE ASSEMBLY - SEE SHEET A600
- FT# — FLOOR TYPE ASSEMBLY - SEE SHEET A600

FLOOR PLAN NOTES

1. EXTERIOR DIMENSIONS ARE TO GRID/PRE-ENGINEERED METAL BUILDING "STEEL LINE". SEE BUILDING SECTIONS AND DETAILS FOR RELATIONSHIP OF FRAMING/FINISHES TO FACE OF FOUNDATION.
2. EXTERIOR SLABS AND FINISH GRADES TO SLOPE AWAY FROM BUILDING AT 1/8" PER FOOT MINIMUM.
3. SEE CIVIL DRAWINGS FOR RELATIONSHIP OF SITE WORK TO BUILDING.
4. SLOPE SLABS TO FLOOR DRAINS WHERE INDICATED.
5. REFER TO BUILDING SECTIONS AND DETAILS FOR EXTERIOR WALL REQUIREMENTS.
6. COORDINATE OVERHEAD SECTIONAL OR COILING DOOR JAMBS, HOODS AND CHAIN HOIST MECHANISMS WITH METAL BUILDING PRIMARY FRAME. ENSURE ADEQUATE CLEARANCE FROM CHAIN HOIST MECHANISM TO PRIMARY FRAME ELEMENTS AND MIRROR MECHANISM TO OPPOSITE JAMB IF CONFICT EXISTS.

REV	DATE	BY	DESCRIPTION

THESE DOCUMENTS ILLUSTRATE A BASIS OF DESIGN FOR A PRE-ENGINEERED METAL BUILDING.

THE SELECTED PRE-ENGINEERED METAL BUILDING VENDOR IS RESPONSIBLE FOR PROVIDING A DEFERRED SUBMITTAL THAT INCLUDES FULLY ENGINEERED DRAWINGS, DETAILS AND CALCULATIONS FOR APPROVAL.

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

SPAWNING BUILDING OVERALL FLOOR PLAN

DESIGNED IS

DRAWN IS

CHECKED MH

ISSUED DATE 10/28/20

DRAWING

A602

C:\Users\ians\Documents\20018-01 Spawn Building_R20_iansKQD5D.rvt

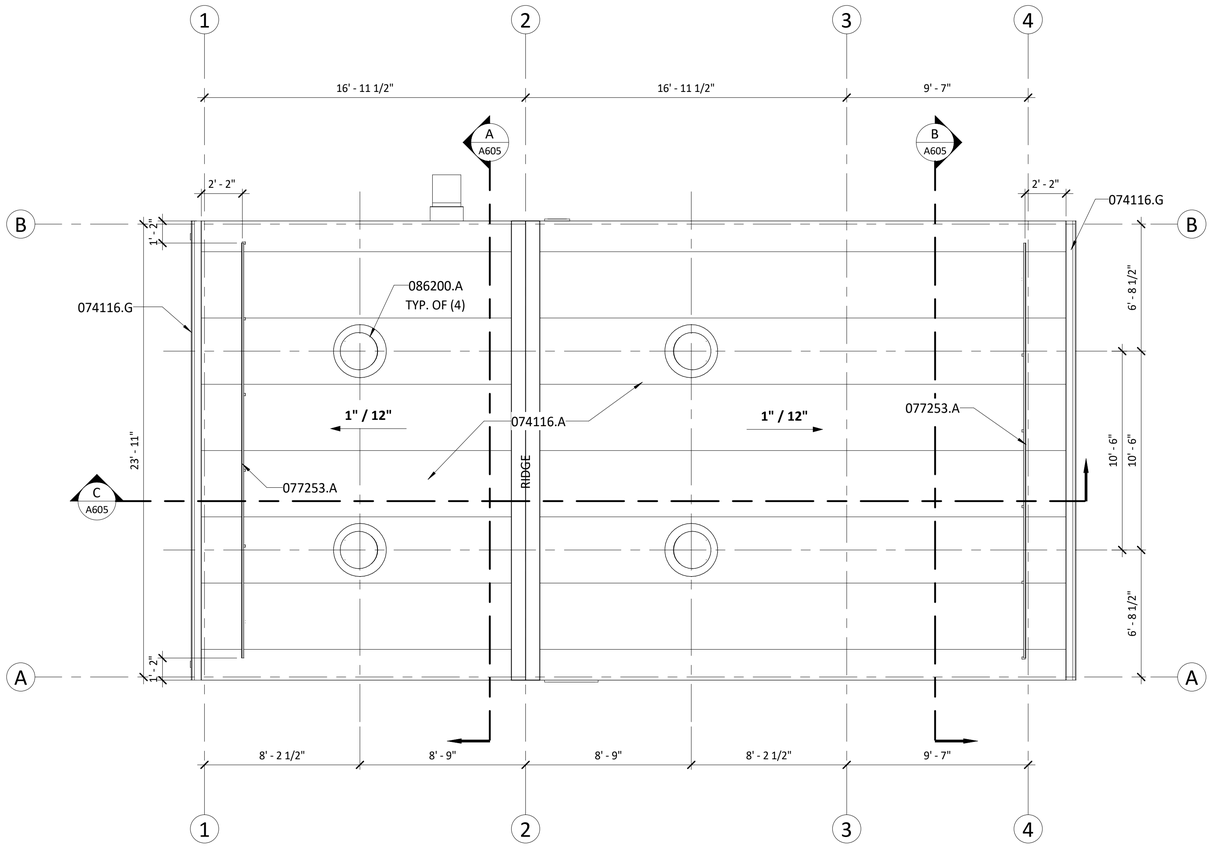
17027.01

CONDOC

074116.A	INSULATED-CORE METAL ROOF PANEL.
074116.G	GUTTER.
077253.A	SNOW GUARD.
079200.A1	SEALANT OVER BACKER ROD.
086200.A	UNIT SKYLIGHT.

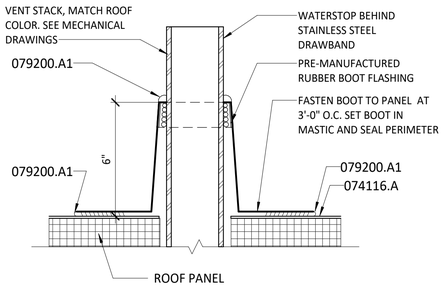
ROOF PLAN NOTES

1. PROVIDE WATER TIGHT SEAL AROUND ALL ROOFTOP EQUIPMENT AND PENETRATIONS, INCLUDING THOSE NOT SHOWN HERE. REFER TO MECHANICAL DRAWINGS FOR EQUIPMENT NOT SHOWN HERE.
2. SEE STRUCTURAL PLANS FOR ROOF FRAMING AND MODIFICATIONS.
3. DO NOT INSTALL ROOF PENETRATIONS THROUGH STANDING SEAMS OF METAL ROOF. INSTALL PENETRATIONS THROUGH FLAT ROOF PAN. SEE ROOF PENETRATION DETAIL 2/A603.
4. METAL ROOF PANEL CONNECTIONS TO REFLECT A FIXED EAVE AND FLOATING RIDGE CONDITION. CLIP CONNECTIONS TO ALLOW EXPANSION AND CONTRACTION OF STANDING SEAM PANEL PER MANUFACTURER'S RECOMMENDATIONS.
5. PRE-ENGINEERED METAL BUILDING VENDOR TO COORDINATE ALL ROOF PURLIN LOCATIONS TO AVOID CONFLICT WITH UNIT SKYLIGHT LOCATIONS.



SPAWNING BUILDING ROOF PLAN

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



ROOF PENETRATION

SCALE: 3" = 1'-0"

2

REV	DATE	BY	DESCRIPTION

THESE DOCUMENTS ILLUSTRATE A BASIS OF DESIGN FOR A PRE-ENGINEERED METAL BUILDING.

THE SELECTED PRE-ENGINEERED METAL BUILDING VENDOR IS RESPONSIBLE FOR PROVIDING A DEFERRED SUBMITTAL THAT INCLUDES FULLY ENGINEERED DRAWINGS, DETAILS AND CALCULATIONS FOR APPROVAL.

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

SPAWNING BUILDING ROOF PLAN

DESIGNED IS

DRAWN IS

CHECKED MH

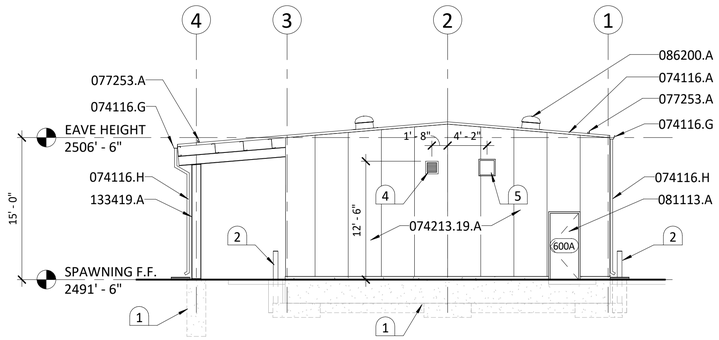
ISSUED DATE 10/28/20

DRAWING

A603

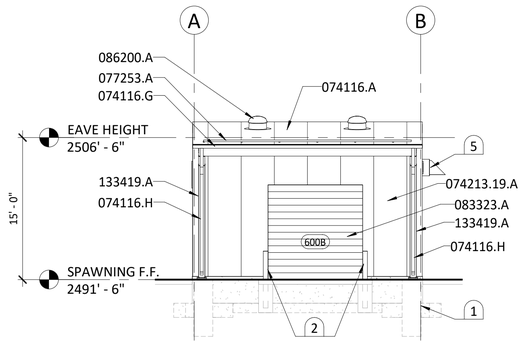
C:\Users\ians\Documents\20018-01 Spawn Building_R20_iansKQD5D.rvt

17027.01



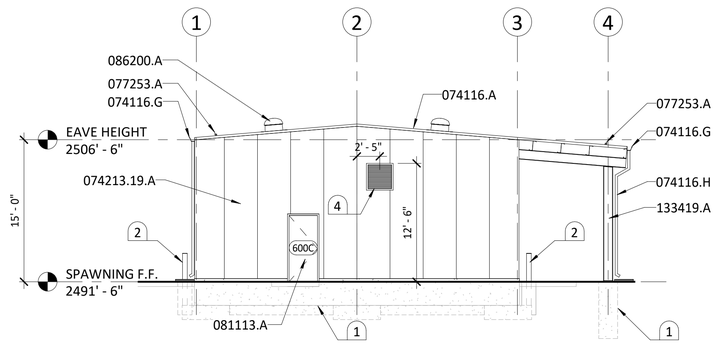
SPAWNING BUILDING NORTH ELEVATION

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



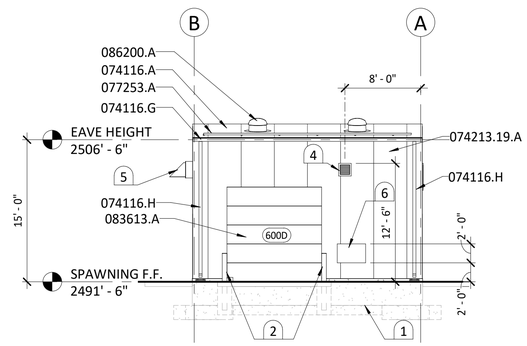
SPAWNING BUILDING EAST ELEVATION

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



SPAWNING BUILDING SOUTH ELEVATION

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



SPAWNING BUILDING WEST ELEVATION

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

CONDOC

074116.A	INSULATED-CORE METAL ROOF PANEL.
074116.G	GUTTER.
074116.H	DOWNSPOUT.
074213.19.A	INSULATED METAL WALL PANELS.
077253.A	SNOW GUARD.
081113.A	HOLLOW-METAL DOOR
083323.A	OVERHEAD COILING DOOR.
083613.A	SECTIONAL OVERHEAD DOOR.
086200.A	UNIT SKYLIGHT.
133419.A	METAL BUILDING PRIMARY-FRAME.

KEYNOTES

1. LINE OF FOOTING, SEE STRUCTURAL.
2. CONCRETE FILLED STEEL BOLLARD (TYP.). NOT ALL BOLLARDS ARE SHOWN FOR CLARITY. SEE A302 FOR LOCATIONS OF ALL BOLLARDS AND SEE CIVIL DRAWINGS FOR INSTALLATION DETAILS.
3. PRE-ENGINEERED METAL BUILDING STRUCTURE.
4. MECHANICAL LOUVER - REFER TO SHEET GH001 - HVAC SCHEDULES AND SPEC SECTIONS 08 91 16 AND 08 91 19 FOR ADDITIONAL INFORMATION.
5. MECHANICAL EXHAUST FAN - REFER TO SHEET GH001 - HVAC SCHEDULES AND SPEC SECTIONS 08 91 16 AND 08 91 19 FOR ADDITIONAL INFORMATION.
6. 3'-0" WIDE x 2'-0" HIGH OPENING FOR THROUGH-WALL CONVEYOR SYSTEM. PRE-ENGINEERED METAL BUILDING VENDOR TO COORDINATE OPENING SIZE AND PLACEMENT WITH CONVEYOR SYSTEM AND ADJACENT OVERHEAD DOOR HARDWARE.

GENERAL NOTES

1. PAINT ALL SURFACES OF EXPOSED STRUCTURAL STEEL, STEEL FABRICATIONS, HOLLOW METAL FRAMES, AND HOLLOW METAL DOORS U.O.N.
2. SEE SPEC SECTIONS 08 33 23, 08 36 16 AND 08 71 00 FOR STANDARD HARDWARE.
3. ALL DOORS SHALL BE CONSTRUCTED AS DETAILED TO ACTUAL OPENING DIMENSIONS, VERIFY PRIOR TO FABRICATION. SEE SHEET A301 FOR DOOR TYPES.
4. INSTALL SEALANT BETWEEN DISSIMILAR MATERIALS.
5. PRE-ENGINEERED METAL BUILDING VENDOR TO COORDINATE ALL MECHANICAL EXHAUST FAN AND LOUVER LOCATIONS WITH INTERIOR CROSS BRACING LOCATIONS. NOTIFY ARCHITECT OF ANY CONFLICTS PRIOR TO WALL PANEL FABRICATION.
6. PRE-ENGINEERED METAL BUILDING VENDOR TO COORDINATE ALL ROOF PURLIN LOCATIONS TO AVOID CONFLICT WITH UNIT SKYLIGHT LOCATIONS.

REV	DATE	BY	DESCRIPTION

THESE DOCUMENTS ILLUSTRATE A BASIS OF DESIGN FOR A PRE-ENGINEERED METAL BUILDING.

THE SELECTED PRE-ENGINEERED METAL BUILDING VENDOR IS RESPONSIBLE FOR PROVIDING A DEFERRED SUBMITTAL THAT INCLUDES FULLY ENGINEERED DRAWINGS, DETAILS AND CALCULATIONS FOR APPROVAL.

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

SPAWNING BUILDING EXTERIOR ELEVATIONS 1

DESIGNED IS

DRAWN IS

CHECKED MH

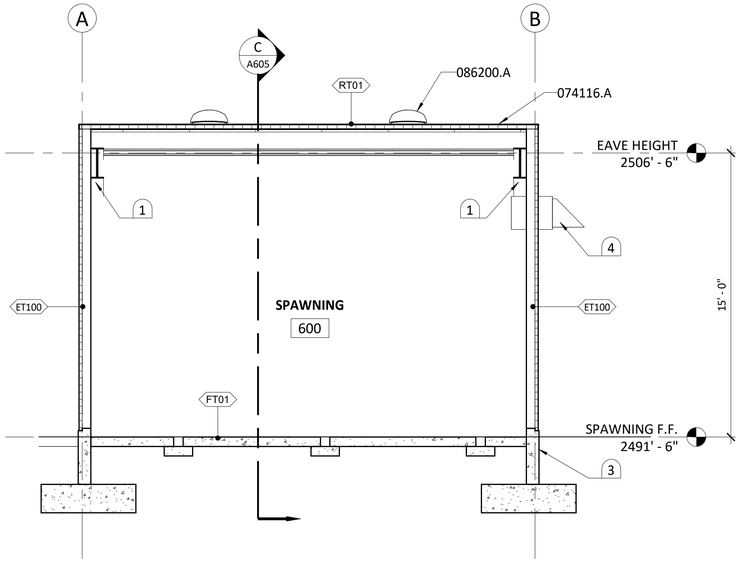
ISSUED DATE 10/28/20

DRAWING

A604

C:\Users\ians\Documents\20018-01 Spawn Building_R20_iansKQD5D.rvt

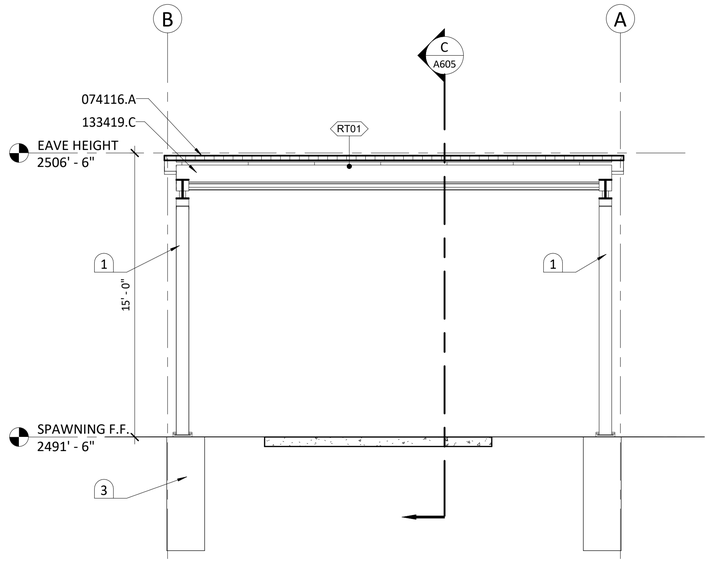
17027.01



BUILDING SECTION

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

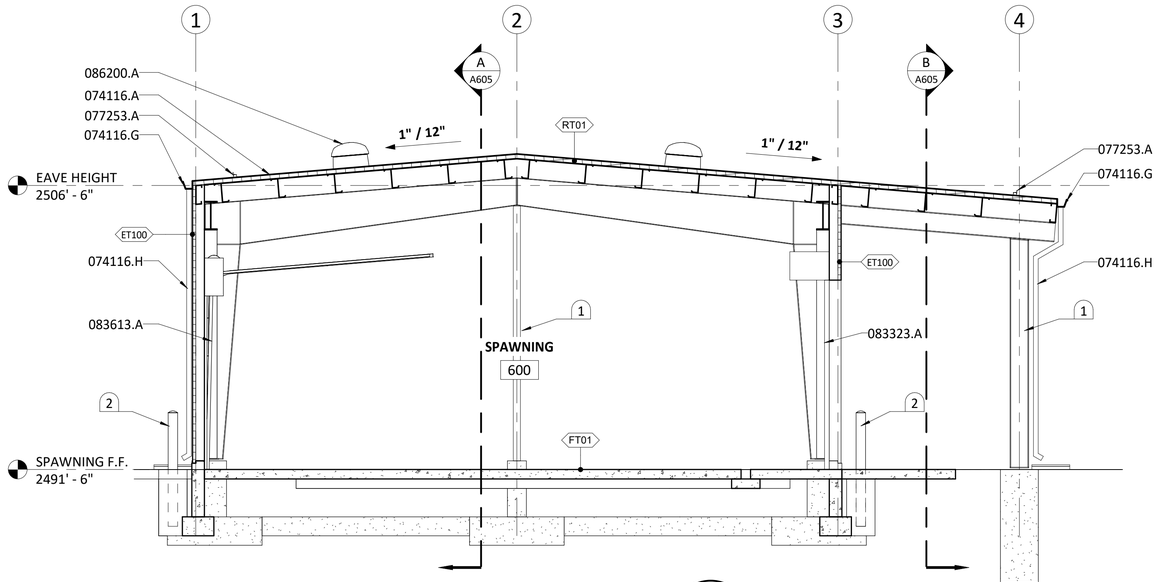
A
A602



BUILDING SECTION

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

B
A602



BUILDING SECTION

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

C
A602

CONDOC

074116.A	INSULATED-CORE METAL ROOF PANEL.
074116.G	GUTTER.
074116.H	DOWNSPOUT.
077253.A	SNOW GUARD.
083323.A	OVERHEAD COILING DOOR.
083613.A	SECTIONAL OVERHEAD DOOR.
086200.A	UNIT SKYLIGHT.
133419.C	PURLIN.

KEYNOTES

1. PRE-ENGINEERED METAL BUILDING STRUCTURE.
2. CONCRETE FILLED STEEL BOLLARD (TYP.). NOT ALL BOLLARDS ARE SHOWN FOR CLARITY. SEE A302 FOR LOCATIONS OF ALL BOLLARDS AND SEE CIVIL DRAWINGS FOR INSTALLATION DETAILS.
3. CONCRETE FOOTING. SEE STRUCTURAL.
4. MECHANICAL EXHAUST FAN - REFER TO SHEET GH001 - HVAC SCHEDULES AND SPEC SECTIONS 08 91 16 AND 08 91 19 FOR ADDITIONAL INFORMATION.

LEGEND

- ET# — EXTERIOR WALL TYPE ASSEMBLY - SEE SHEET A525
- RT# — ROOF TYPE ASSEMBLY - SEE SHEET A525
- FT# — FLOOR TYPE ASSEMBLY - SEE SHEET A525

GENERAL NOTES

1. PRE-ENGINEERED METAL BUILDING VENDOR TO COORDINATE ALL ROOF PURLIN LOCATIONS TO AVOID CONFLICT WITH UNIT SKYLIGHT LOCATIONS.

REV	DATE	BY	DESCRIPTION

THESE DOCUMENTS ILLUSTRATE A BASIS OF DESIGN FOR A PRE-ENGINEERED METAL BUILDING.

THE SELECTED PRE-ENGINEERED METAL BUILDING VENDOR IS RESPONSIBLE FOR PROVIDING A DEFERRED SUBMITTAL THAT INCLUDES FULLY ENGINEERED DRAWINGS, DETAILS AND CALCULATIONS FOR APPROVAL.

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

SPAWNING BUILDING SECTIONS 1

DESIGNED IS

DRAWN IS

CHECKED MH

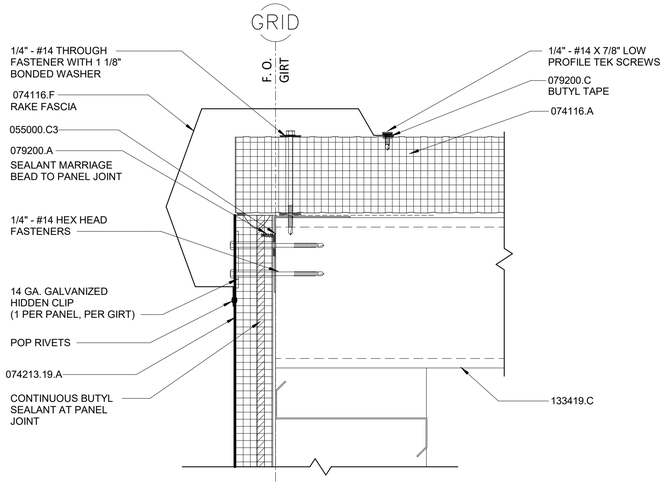
ISSUED DATE 10/28/20

DRAWING

A605

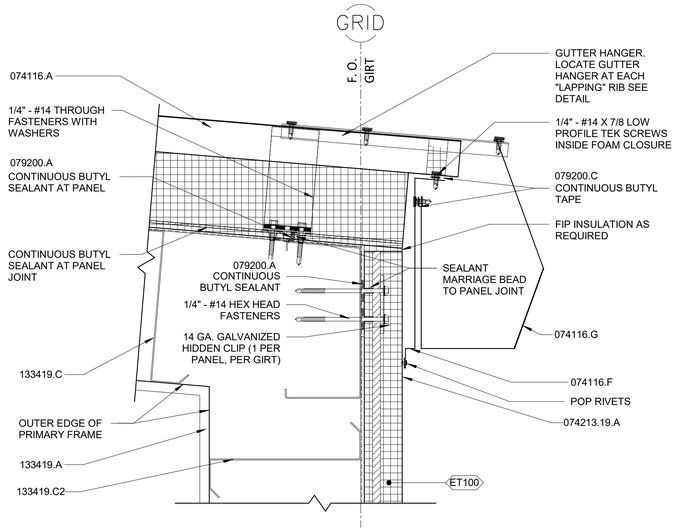
C:\Users\ians\Documents\20018-01 Spawn Building_R20_iansKQD5D.rvt

17027.01



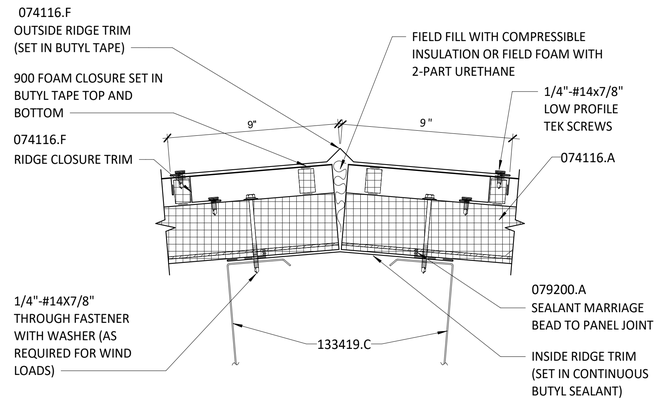
RAKE TRIM 1

SCALE: 3" = 1'-0"



LOW EAVE WITH GUTTER 2

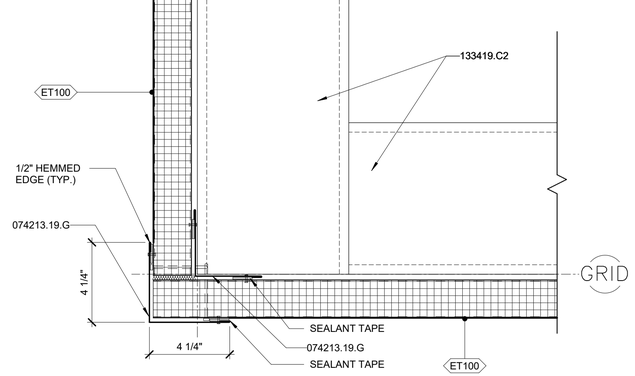
SCALE: 3" = 1'-0"



RIDGE 3

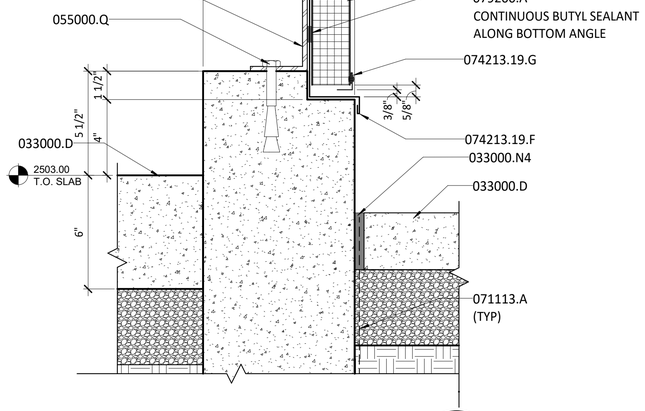
SCALE: 3" = 1'-0"

CONDOC	
033000.D	CONCRETE SLAB-ON-GRADE, SEE STRUCTURAL.
033000.N4	JOINT FILLER.
055000.C3	METAL ANGLE TRIM.
055000.Q	ANCHOR BOLT.
071113.A	BITUMINOUS DAMPPROOFING.
074116.A	INSULATED-CORE METAL ROOF PANEL.
074116.F	METAL TRIM.
074116.G	GUTTER.
074116.H	DOWNSPOUT.
074213.19.A	INSULATED METAL WALL PANELS.
074213.19.F	METAL FLASHING.
074213.19.G	METAL TRIM.
079200.A	JOINT SEALANT.
079200.C	BOND BREAKER TAPE.
133419.A	METAL BUILDING PRIMARY-FRAME.
133419.C	PURLIN.
133419.C2	WALL GIRTS.
133419.C5	WALL / BASE ANGLE.



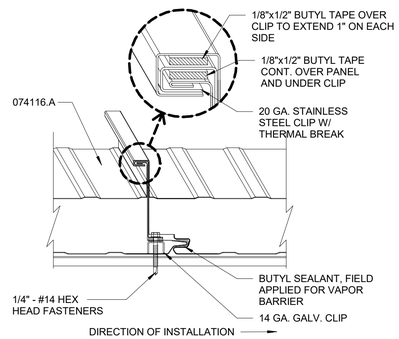
OUTSIDE CORNER TRIM 4

SCALE: 3" = 1'-0"



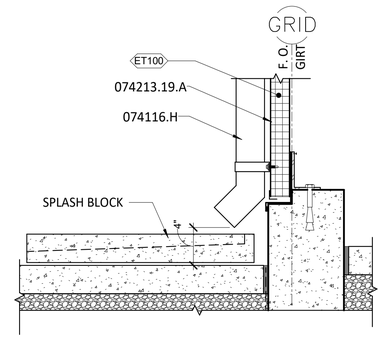
SILL DETAIL 5

SCALE: 3" = 1'-0"



PANEL JOINT 6

SCALE: 3" = 1'-0"



DOWNSPOUT DETAIL 7

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

REV	DATE	BY	DESCRIPTION

THESE DOCUMENTS ILLUSTRATE A BASIS OF DESIGN FOR A PRE-ENGINEERED METAL BUILDING.

THE SELECTED PRE-ENGINEERED METAL BUILDING VENDOR IS RESPONSIBLE FOR PROVIDING A DEFERRED SUBMITTAL THAT INCLUDES FULLY ENGINEERED DRAWINGS, DETAILS AND CALCULATIONS FOR APPROVAL.

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

SPAWNING BUILDING DETAILS 1

DESIGNED IS

DRAWN IS

CHECKED MH

ISSUED DATE 10/28/20

DRAWING

A606

17027.01

C:\Users\ians\Documents\20018-01 Spawn Building_R20_iansKQD5D.rvt

GENERAL STRUCTURAL NOTES:
THE FOLLOWING NOTES ARE GENERAL AND APPLY TO THE ENTIRE PROJECT, UNLESS SPECIFICALLY NOTED OTHERWISE (UNO)

1) GENERAL:

A. CONSTRUCTION DOCUMENTS:
   1. THE CONTRACTOR SHALL REVIEW THE APPROVED CONTRACT DOCUMENTS AND NOTIFY THE ENGINEER OF ANY ERRORS OR DISCREPANCIES PRIOR TO THE START OF CONSTRUCTION.
   2. THE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY IF ANY UNIDENTIFIED EXISTING UNDERGROUND UTILITIES ARE DISCOVERED.
   3. THE STRUCTURAL CONTRACT DRAWINGS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT ARE NOT LIMITED TO, BRACING AND/OR SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC.
   4. UNDER NO CIRCUMSTANCES CAN STRUCTURAL COMPONENTS BE SUBSTITUTED, OMITTED, OR ALTERED FROM THE APPROVED SET OF CONSTRUCTION DOCUMENTS WITHOUT WRITTEN APPROVAL FROM THE ENGINEER.

B. DIMENSIONS AND NOTATIONS:
   1. WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS. DO NOT SCALE DRAWINGS.
   2. ABBREVIATIONS USED ON THE APPROVED CONSTRUCTION DOCUMENTS SHALL BE CONSIDERED TYPICAL ABBREVIATIONS FOR THE INDUSTRY. THE CONTRACTOR SHALL BE RESPONSIBLE TO NOTIFY THE ENGINEER IMMEDIATELY OF ANY ABBREVIATIONS THAT ARE UNKNOWN TO THE CONTRACTOR.

C. TYPICAL NOTES AND DETAILS:
   1. SPECIFIC NOTES AND DETAILS SHALL TAKE PRECEDENCE OVER STANDARD TYPICAL NOTES AND DETAILS.
   2. STANDARD TYPICAL NOTES AND DETAILS ARE TO BE USED WHEN REFERRED TO OR WHEN NO OTHER MORE RESTRICTIVE OR DIFFERENT DETAILS ARE SHOWN ON THE DRAWINGS.
   3. WORK NOT PARTICULARLY SHOWN OR SPECIFIED SHALL BE THE SAME AS SIMILAR PARTS THAT ARE SHOWN OR SPECIFIED.

D. CODE REQUIREMENTS:
   1. ALL WORK SHALL CONFORM TO THE MINIMUM STANDARDS OF REGULATING AGENCIES WHICH MAY HAVE AUTHORITY OVER ANY PORTION OF THE WORK.
   2. SPECIFICATIONS, CODES AND STANDARDS NOTED SHALL BE OF THE LATEST APPROVED ISSUE, INCLUDING SUPPLEMENTS, UNLESS NOTED OTHERWISE.
   3. MINIMUM UNIFORM (BLANKET) ROOF SNOW LOAD, AS DEFINED BY LOCAL BUILDING OFFICIAL OR STATE, SHALL BE DESIGNED FOR, AND IT IS THE RESPONSIBILITY OF THE MBSS ENGINEER TO CONFIRM IF ONE EXISTS BY CONTACTING THE LOCAL BUILDING OFFICIAL.

E. DEFERRED SUBMITTALS:
   1. DEFERRED STRUCTURE SUBMITTAL ITEMS HAVE NOT BEEN PERMITTED UNDER THE BASE BUILDING APPLICATION.
   2. THE CONTRACTOR SHALL SUBMIT COMPONENT SYSTEM DOCUMENTS FOR DEFERRED SUBMITTAL ITEMS, STAMPED BY A PROFESSIONAL ENGINEER LICENSED IN THE JURISDICTION HAVING AUTHORITY, TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE FOR REVIEW AND FORWARD THE REVIEWED DOCUMENTS TO THE BUILDING OFFICIAL IN COMPLIANCE WITH SECTION 107.3.4.1 OF THE CBC.
   3. DEFERRED SUBMITTAL ITEMS SHALL NOT BE INSTALLED UNTIL THE COMPONENT SYSTEM DOCUMENTS HAVE BEEN APPROVED BY THE BUILDING OFFICIAL.
   4. THE FOLLOWING CONTRACTOR-DESIGNED PROJECT ELEMENTS ARE DEFINED AS DEFERRED STRUCTURAL SUBMITTAL ITEMS:

      PRE-ENGINEERED METAL BUILDINGS

2) CODES, STANDARDS, AND REFERENCES:

A. ASCE 7-16: MINIMUM DESIGN LOADS AND ASSOCIATED CRITERIA FOR BUILDINGS AND OTHER STRUCTURES
B. ACI 318-14: BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
C. ACI 350-06: CODE REQUIREMENTS FOR ENVIRONMENTAL ENGINEERING CONCRETE STRUCTURES
D. 2019 CALIFORNIA BUILDING CODE (CBC)
E. AISC DESIGN GUIDE 27 - STRUCTURAL STAINLESS STEEL, 2013
F. AISC 360-16 SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS
G. AISC 341-16 SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS
H. ALUMINUM DESIGN MANUAL 2020 (AA)

3) FOUNDATIONS AND GEOTECHNICAL:

A. GEOTECHNICAL DESIGN CRITERIA IS BASED ON THE RECOMMENDATIONS DOCUMENTED IN THE DESIGN DOCUMENTATION REPORT:
   ALLOWABLE BEARING PRESSURE = 2000 PSF

4) GRATING:

A. UNLESS INDICATED OTHERWISE, ALL GRATING SHALL BE FIBERGRATE 1.5" SQ X 1.5" THICK FRP GRATING, OR APPROVED EQUAL.
B. WEIGHT OF GRATING SECTION SHALL NOT EXCEED 80 LBS.
C. PROVIDE A MINIMUM OF 4 CLIPS PER GRATING PANEL, APPROX 4" FROM PANEL CORNERS.
D. WIDTH OF GRATING SECTIONS SHALL NOT EXCEED 3'-0".
E. SHOP DRAWINGS BASED ON FIELD DIMENSIONS SHALL BE SUBMITTED TO THE ENGINEER PRIOR TO FABRICATION.
F. PROVIDE GRATING FASTENERS AS REQUIRED.
G. THE HORIZONTAL CLEARANCE BETWEEN THE GRATING AND GRATING SUPPORTS SHALL NOT BE LESS THAN ¼" NOR GREATER THAN ½"
H. ALL GRATING SECTIONS, WHEN IN PLACE, SHALL ALWAYS BE FIRMLY ANCHORED TO THEIR SUPPORTS.
I. PROVIDE MINIMUM BEARING PER MANUFACTURERS RECOMMENDATIONS FOR ALL FRP GRATING.

5) NON-SHRINK GROUT:
1. ALL GROUT WORK SHALL CONFORM TO THE LATEST EDITION OF ACI 301.
2. FORMWORK: DESIGN, ERECT, SUPPORT, BRACE AND MAINTAIN FORMWORK TO SUPPORT VERTICAL, LATERAL, STATIC AND DYNAMIC LOADS THAT MIGHT BE APPLIED UNTIL STRUCTURE CAN SUPPORT SUCH LOADS.

6) STRUCTURAL AND MISCELLANEOUS STEEL:

A. ALL STRUCTURAL AND MISC STELL SHALL BE TYPE 316 STAINLESS IN ACCORDANCE WITH SPECIFICATION 05 12 00 UNLESS NOTED OTHERWISE IN THE DRAWINGS.
B. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING ASTM STANDARDS:
   1. PRE-ENGINEERED METAL BUILDING AND ASSOCIATED FRAMING
      a) WIDE FLANGE SHAPES — A992, GR 50 GALV
      b) OTHER SHAPES, PLATES, ANGLES AND BARS — A36 GALV
      c) STEEL PIPE — A53, GRADE B GALV
      d) HOLLOW STRUCTURAL SECTIONS — A500, GRADE B GALV
   2. COHO AND CHINOOK INCUBATION STACKS FRAMING AND HEAD TANK FRAMING
      a) WIDE FLANGE SHAPES — A992, GR 50 PAINTED
      b) OTHER SHAPES, PLATES, ANGLES AND BARS — A36 PAINTED
      c) STEEL PIPE — A53, GRADE B PAINTED
      d) HOLLOW STRUCTURAL SECTIONS — A500, GRADE B PAINTED
   3. PREDATOR NETTING FRAMING AT CHINOOK RACEWAYS
      a) WIDE FLANGE SHAPES — A588, GR 50 (WEATHERING STEEL)
      b) RECTANGULAR AND SQUARE HSS — A847, GR 50 (WEATHERING STEEL)
      c) OTHER SHAPES, PLATES, AND BARS — A588, GR 50 (WEATHERING STEEL)
      d) BOLTS — F3125, GR A325 TYPE 3 (WEATHERING STEEL)
      e) NUTS — A563, GR DH3 (PLAIN)
      f) WASHERS — F436, TYPE 3 (PLAIN)
C. WELDS: PROVIDE 70KSI LOW HYDROGEN ELECTRODE OR PROCESS IN ACCORDANCE WITH AWS A5.1.
D. BOLTS, U.N.O.:
   1. STAINLESS STEEL: ASTM A193, GRADE 8, CLASS 2, AISI TYPE 316
H. DRILL AND EPOXY ANCHOR BOLTS:
   1. STAINLESS STEEL ASTM A193, GRADE 8, CLASS 2, AISI TYPE 316 OR EQUAL APPROVED BY ENGINEER
I. EPOXY BOLT OR EXPANSION BOLT SUBSTITUTIONS FOR EMBEDDED BOLTS IS PROHIBITED WITHOUT WRITTEN CONSENT FROM THE ENGINEER.
J. UNLESS NOTED OTHERWISE ON THE DRAWINGS, ALL EPOXY BOLTS SHALL BE AS SPECIFIED.
K. ALL STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED, AND ERECTED IN ACCORDANCE WITH THE AISC CODE OF STANDARD PRACTICE, EXCEPT AS MODIFIED IN THESE NOTES AND THE PROJECT SPECIFICATIONS.
L. ALL STAINLESS STEEL SHALL BE TYPE 316.
M. SPLICING OF STEEL MEMBERS, UNLESS SHOWN ON THE DRAWINGS, IS PROHIBITED WITHOUT WRITTEN APPROVAL OF THE PROJECT ENGINEER.
N. GALVANIC PROTECTION SHALL BE PROVIDED BETWEEN DISSIMILAR METALS.
O. WELDING SHOWN FOR STAINLESS STEEL ELEMENTS SHALL COMPLY WITH AWS D1.6/D1.6M.

7) CONCRETE:

A. ALL CONCRETE WORK SHALL CONFORM TO THE LATEST EDITION OF ACI 301 AND ACI 117, EXCEPT AS MODIFIED BY THE FOLLOWING SUPPLEMENTAL REQUIREMENTS:
B. ALL CONCRETE SHALL BE NORMAL WEIGHT CONCRETE.
C. CONCRETE MIX DESIGN SHALL BE ESTABLISHED IN ACCORDANCE WITH CHAPTER 5 OF ACI 350.
D. COMPRESSIVE STRENGTH (28 DAYS)
   F'C — 4,500 PSI
E. REINFORCEMENT FOR CONCRETE:
   1. ALL REINFORCING SHALL BE SUPPORTED IN FORMS SPACED WITH NECESSARY ACCESSORIES AND SHALL BE SECURELY WIRED TOGETHER IN ACCORDANCE WITH THE LATEST EDITION OF THE CRSI "MANUAL OF STANDARD PRACTICE"
   2. CLEAR COVER
      a) CONCRETE CAST AGAINST EARTH = 3"
      b) ALL OTHER CONCRETE, UNO = 2"
F. SLAB-ON-GRADE REINFORCEMENT SHALL BE PLACED AT THE MID-DEPTH OF THE SLAB, UNO.
G. FORMWORK: DESIGN, ERECT, SUPPORT, BRACE AND MAINTAIN FORMWORK TO SUPPORT VERTICAL, LATERAL, STATIC AND DYNAMIC LOADS THAT MIGHT BE APPLIED UNTIL STRUCTURE CAN SUPPORT SUCH LOADS.
H. THE DESIGN OF THE PRECAST CONCRETE IS BY THE PRECAST TOILET VAULT SUPPLIER, AND SHALL COMPLY WITH ACI 318.

8) ALUMINUM:

A. ALL ALUMINUM WORK SHALL CONFORM TO THE LATEST EDITION OF THE ALUMINUM DESIGN MANUAL BY THE ALUMINUM ASSOCIATION.
B. UNLESS OTHERWISE INDICATED, ALUMINUM METALWORK SHALL BE FABRICATED FROM ALLOY 6061-T6, EXCEPT GRATING WHICH SHALL BE PER DESIGN.
C. ALUMINUM IN CONTACT WITH CONCRETE, MASONRY, WOOD, POROUS MATERIALS OR DISSIMILAR METALS SHALL HAVE CONTACT SURFACES COATED WITH:
   a) AMERCOAT 351
   b) SHERWIN WILLIAMS MACROPOXY 646
   c) TNEMEC EPOXOLINE 80
   d) OR APPROVED EQUAL

9) REINFORCEMENT:

A. ASTM A615 - FY = 60,000 PSI
B. SEE SPECIFICATIONS FOR REINFORCING PLACEMENT REQUIREMENTS.
C. ABSOLUTELY NO WELDING OF REINFORCING BARS OR TORCHING TO BEND REINFORCING BARS SHALL BE ALLOWED WITHOUT SPECIFIC APPROVAL FROM THE STRUCTURAL ENGINEER.

10) TESTS AND INSPECTIONS:

A. INSPECTIONS
   1. CONSTRUCTION SHALL BE SUBJECT TO INSPECTION BY THE BUILDING OFFICIAL OR THE AUTHORITY HAVING JURISDICTION AND SUCH CONSTRUCTION OR WORK SHALL REMAIN ACCESSIBLE AND EXPOSED FOR INSPECTION PURPOSES UNTIL APPROVED.
   2. THE CONTRACTOR IS RESPONSIBLE TO NOTIFY THE BUILDING OFFICIAL OR THE AUTHORITY HAVING JURISDICTION WHEN WORK IS READY FOR INSPECTION. IN ADDITION, THE CONTRACTOR IS RESPONSIBLE TO PROVIDE ACCESS TO AND MEANS FOR INSPECTIONS OF SUCH WORK THAT ARE REQUIRED BY THE BUILDING OFFICIAL OR AUTHORITY HAVING JURISDICTION.

B. STATEMENT OF SPECIAL INSPECTIONS
   1. THE DESIGN ENGINEER HAS PREPARED AND SUBMITTED A STATEMENT OF SPECIAL INSPECTIONS TO THE BUILDING OFFICIAL SPECIFYING THE SCOPE OF WORK TO BE INSPECTED BY A SPECIAL INSPECTION AGENCY (IN ADDITION TO THE INSPECTIONS BY THE BUILDING OFFICIAL OR AUTHORITY HAVING JURISDICTION) TO SATISFY THE REQUIREMENTS OF THE CALIFORNIA BUILDING CODE, SECTION 1704. THE CONTRACTOR SHALL REVIEW THIS DOCUMENT AND SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE BUILDING OFFICIAL AND OWNER (OR THE OWNER'S AUTHORIZED AGENT) PRIOR TO COMMENCEMENT OF THE WORK THAT ACKNOWLEDGES AWARENESS OF THE REQUIREMENTS CONTAINED IN THE STATEMENT OF SPECIAL INSPECTIONS.
   2. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THEIR WORK WITH THE SPECIAL INSPECTION AGENCY. THE CONSTRUCTION OR WORK FOR WHICH SPECIAL INSPECTION OR TESTING IS REQUIRED SHALL REMAIN ACCESSIBLE AND EXPOSED FOR SPECIAL INSPECTION AND TESTING PURPOSES UNTIL COMPLETION OF THE REQUIRED SPECIAL INSPECTIONS OR TESTS.

DESIGN CRITERIA	
DESIGN LOADS - HATCHERY BUILDING, COHO BUILDING, AND SPAWNING BUILDING	
ROOF LOADS	
DEAD LOAD	5.5 PSF
COLLATERAL LOAD (HATCHERY BUILDING)	3.0 PSF
LIVE LOAD	20 PSF
SNOW LOAD	40 PSF
FLOOR LOADS	
DEAD LOAD	VARIES
LIVE LOAD - UNIFORM	100 PSF
LIVE LOAD - CONCENTRATED	300 LBS
VEHICULAR LIVE LOAD (COHO BUILDING ONLY)	250 PSF
WIND DESIGN DATA	
INTERNAL PRESSURE COEFFICIENT	±0.18 PSF
EARTHQUAKE DESIGN DATA	
SEISMIC FORCE RESISTING SYSTEM (LONGITUDINAL)	OCBF
SEISMIC FORCE RESISTING SYSTEM (TRANSVERSE)	OMF
DESIGN BASE SHEAR (OCBF)	0.160 W
DESIGN BASE SHEAR (OMF)	0.148 W
SEISMIC RESPONSE COEFFICIENT (Cs, OCBF)	0.160
SEISMIC RESPONSE COEFFICIENT (Cs, OMF)	0.148
RESPONSE MODIFICATION COEFFICIENT (R, OCBF)	3.25
RESPONSE MODIFICATION COEFFICIENT (R, OMF)	3.5
ANALYSIS PROCEDURE USED	EQUIVALENT LATERAL FORCE

DESIGN LOADS - GENERAL	
LIVE LOADS	
ELEVATED PLATFORMS	60 PSF
HYDROSTATIC LOADS	
UNIT WEIGHT OF WATER	62.4 PCF
EARTH LOADS	
Ka	0.36
Ko	0.58
Ke (SEISMIC EARTH PRESSURE)	0.42
NATIVE SOIL	
FRICTION ANGLE	25 DEG
COHESION	200 PSF
UNIT WEIGHT	125 PSF
MODULUS OF ELASTICITY	600 KSF
STRUCTURAL FILL	
COEFFICIENT OF FRICTION - SOIL TO CIP CONCRETE	0.49
COEFFICIENT OF FRICTION - SOIL TO PRECAST CONCRETE	0.39
SNOW LOAD DATA	
GROUND SNOW LOAD (Pg)	58 PSF
EXPOSURE FACTOR (Ce)	1.0
IMPORTANCE FACTOR (Is)	1.0
THERMAL FACTOR (Ct)	1.0
WIND DESIGN DATA	
ULTIMATE DESIGN WIND SPEED (Vult)	115 MPH
NOMINAL DESIGN WIND SPEED (Vasd)	90 MPH
RISK CATEGORY	II
WIND EXPOSURE	B
EARTHQUAKE DESIGN DATA	
RISK CATEGORY	II
IMPORTANCE FACTOR (Ie)	1.0
SPECTRAL RESPONSE PARAMETER (Ss)	0.584
SPECTRAL RESPONSE PARAMETER (S1)	0.3040
SITE CLASS	D
DESIGN SPECTRAL RESPONSE PARAMETER (Sds)	0.519
DESIGN SPECTRAL RESPONSE PARAMETER (Sd1)	0.405
SEISMIC DESIGN CATEGORY	D
GEOTECHNICAL INFORMATION	
DESIGN LOAD BEARING VALUE (ASD, STANDARD)	3,000 PSF
FROST DEPTH	12"

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
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
STRUCTURAL GENERAL NOTES

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

DRAWING
GS001

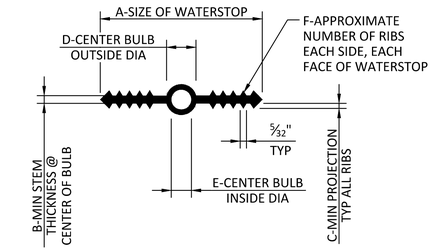
JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\GS001.dwg Plot date: Oct 27, 2020 01:06pm, CAD User: Guerrero

TYPICAL LAP SPLICE LENGTHS IN INCHES, PER ACI 318/350					
		CLASS B LAP LENGTH		Ld	
BAR SIZE (#)	BAR POSITION	SPACING >= 6"	SPACING < 6"	SPACING >= 6"	SPACING < 6"
3	BOTTOM	16	16	12	12
	TOP	16	16	12	12
4	BOTTOM	16	18	12	14
	TOP	19	23	14	18
5	BOTTOM	18	26	14	20
	TOP	23	34	18	26
6	BOTTOM	21	35	17	27
	TOP	28	46	21	35
7	BOTTOM	31	51	24	40
	TOP	40	67	31	51
8	BOTTOM	35	59	27	45
	TOP	46	76	35	59
9	BOTTOM	44	66	34	51
	TOP	56	86	44	66
10	BOTTOM	52	73	40	56
	TOP	68	95	52	73
11	BOTTOM	62	80	48	62
	TOP	80	104	62	80

NOTES:
1. FOR GRADE 60 REINFORCING STEEL BARS.
2. FOR CONCRETE COMPRESSIVE STRENGTH f'c=4,500 PSI
3. TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12" OF CONCRETE CAST BELOW THE BARS.
4. ALL REINFORCING HOOKS SHALL BE PER ACI STANDARDS.

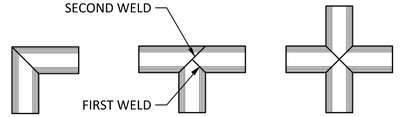
LAP SPLICE AND DEVELOPMENT LENGTH SCHEDULE — S101
SCALE: NTS



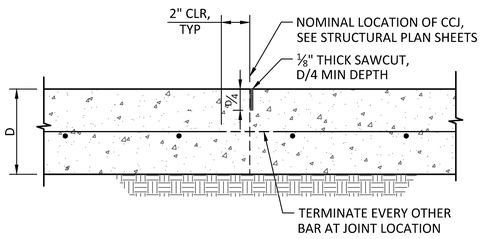
SIKA MODEL NO.	A	B	C	D	E	F
702	4"	3/16"	1/8"	3/4"	1/4"	5

NOTES:
1. MATERIAL QUALITY PER SPECIFICATIONS.
2. DIMENSION REQUIREMENTS INDICATED SHOULD BE GIVEN TO SUPPLIERS PRIOR TO PLACING ORDERS.
3. NON-ROUND CENTER BULBS SHALL HAVE A MINIMUM OUTSIDE DIMENSION OF "D".
4. WATERSTOP SHALL BE SIKA GREENSTREAK NO. 702 OR APPROVED EQUAL.

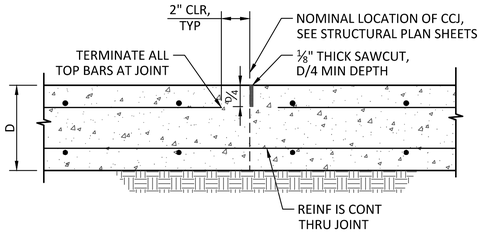
PVC WATERSTOP DETAIL — S105
SCALE: NTS



PREFABRICATED WATERSTOP JOINTS — S108
SCALE: NTS

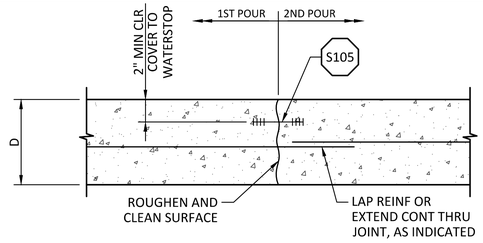


SLAB-ON-GRADE (SINGLE MAT)

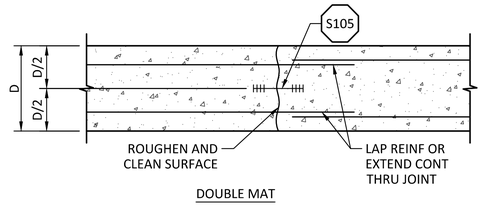


SLAB-ON-GRADE (DOUBLE MAT)

CRACK CONTROL JOINTS (CCJ) AT SLAB ON GRADE — S111
SCALE: NTS



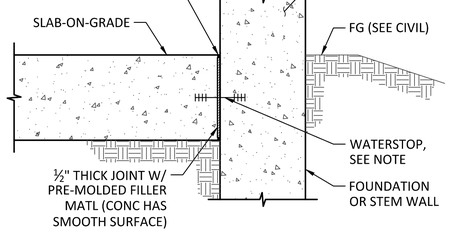
SINGLE MAT



DOUBLE MAT

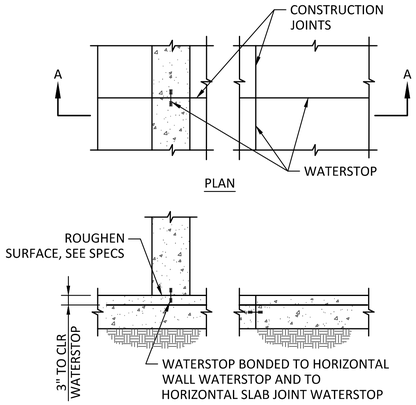
NOTES:
1. UNLESS OTHERWISE INDICATED, JOINTS IN WATER-BEARING STRUCTURES SHALL BE PROVIDED WITH A WATERSTOP.
2. DETAIL APPLIES TO WALLS OR SLABS (ELEVATED OR SLAB-ON-GRADE).

CONSTRUCTION JOINTS (CJ) — S112
SCALE: NTS



NOTE:
WATERSTOP IS OPTIONAL. PROVIDE ONLY IF SHOWN ON STRUCT FLOOR PLANS AND SECTIONS.

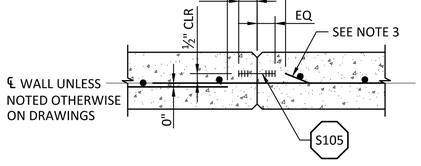
PRE-MOLDED JOINT FILLER (PJF) — S115
SCALE: NTS



SECTION A-A

NOTE:
1. CONSTRUCTION JOINTS PASSING THROUGH VARIOUS MEMBERS OF A WATER RETAINING STRUCTURE SHALL BE SEALED WITH WATERSTOPS BONDED TOGETHER, SO AS TO PROVIDE A CONTINUOUS WATERTIGHT JOINT.

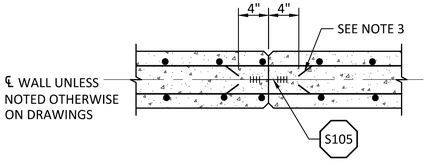
CONSTRUCTION JOINT (WALL TO SLAB) — S118
SCALE: NTS



SINGLE CURTAIN REINF

NOTES:
1. WHERE WATERSTOP IS REQUIRED IN SINGLE CURTAIN WALL REINFORCEMENT, PLACE WATERSTOP ON WATER SIDE OF WALL.
2. UNLESS OTHERWISE NOTED ¾" CHAMFERS SHALL BE OMITTED IN SURFACES TO RECEIVE ARCHITECTURAL TREATMENT.
3. UNLESS SPECIFICALLY NOTED OTHERWISE #5 AND LARGER BARS SHALL BE CONTINUOUS THRU JOINT. #4 AND SMALLER BARS SHALL STOP ALTERNATE BARS AT JOINT.
4. STAGGER SPLICES UNLESS NOTED OTHERWISE.

VERTICAL WALL CONSTRUCTION JOINT WITH WATERSTOP — S121
SCALE: NTS



DOUBLE CURTAIN REINF

NOTES:
1. WHERE WATERSTOP IS REQUIRED IN SINGLE CURTAIN WALL REINFORCEMENT, PLACE WATERSTOP ON WATER SIDE OF WALL.
2. UNLESS OTHERWISE NOTED ¾" CHAMFERS SHALL BE OMITTED IN SURFACES TO RECEIVE ARCHITECTURAL TREATMENT.
3. UNLESS SPECIFICALLY NOTED OTHERWISE #5 AND LARGER BARS SHALL BE CONTINUOUS THRU JOINT. #4 AND SMALLER BARS SHALL STOP ALTERNATE BARS AT JOINT.
4. STAGGER SPLICES UNLESS NOTED OTHERWISE.

VERTICAL WALL CONSTRUCTION JOINT WITH WATERSTOP — S123
SCALE: NTS

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

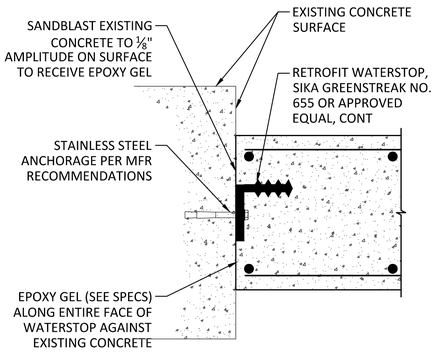
KLAMATH RIVER RENEWAL CORPORATION
FALL CREEK FISH HATCHERY
STRUCTURAL
STANDARD DETAILS 1

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

DRAWING
GS002

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\GS002.dwg Plot date: Oct 27, 2020 01:06pm, CAD User: Guerrero

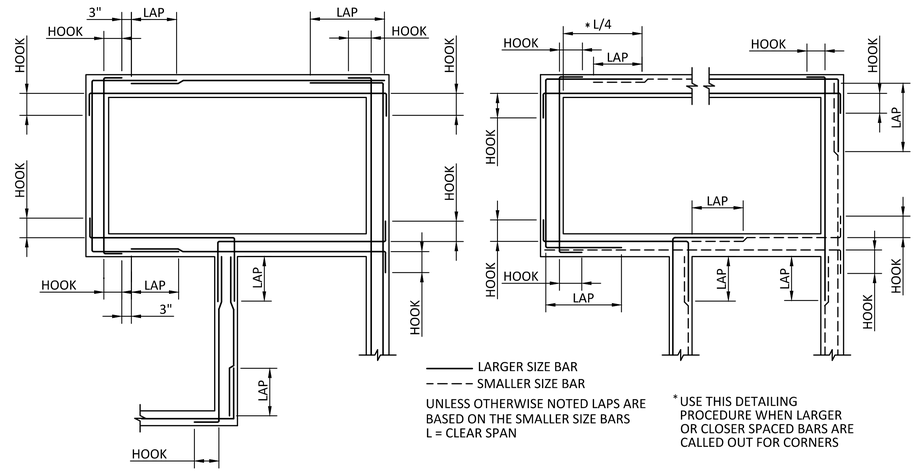


NOTE:
REBAR SHALL NOT PENETRATE WATERSTOP.

WATERSTOP AT EXISTING SURFACE

S130

SCALE: NTS



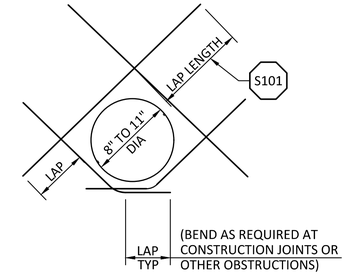
UNLESS OTHERWISE NOTED LAPS ARE BASED ON THE SMALLER SIZE BARS
L = CLEAR SPAN

*USE THIS DETAILING PROCEDURE WHEN LARGER OR CLOSER SPACED BARS ARE CALLED OUT FOR CORNERS

HORIZONTAL REINFORCEMENT AT WALL INTERSECTIONS

S141

SCALE: NTS

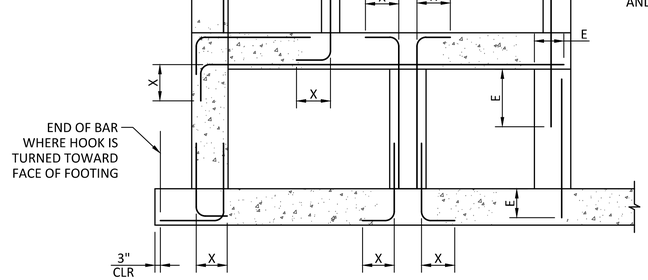


NOTES:
1. CUT NORMAL REINFORCEMENT 2" CLEAR OF OPENING.
2. DIAGONAL BARS TO BE PLACED;
   A. AT CENTERLINE OF WALL OR SLAB WHERE ONE LAYER OF REINFORCEMENT IS PROVIDED.
   B. AT EACH FACE OF WALL OR SLAB WHERE TWO LAYERS OF REINFORCEMENT ARE PROVIDED.
3. UNLESS OTHERWISE NOTED, SIZE OF DIAGONAL BARS SHALL BE THE SIZE OF THE LARGEST NORMAL REINFORCING BAR CUT.
4. THIS DETAIL TO BE USED WHEN CALLED FOR ON THE DRAWINGS OR WHEN NO OTHER DETAIL IS SPECIFIED.

ADDITIONAL REINFORCEMENT AT CIRCULAR OPENINGS (<12" DIA)

S142

SCALE: NTS



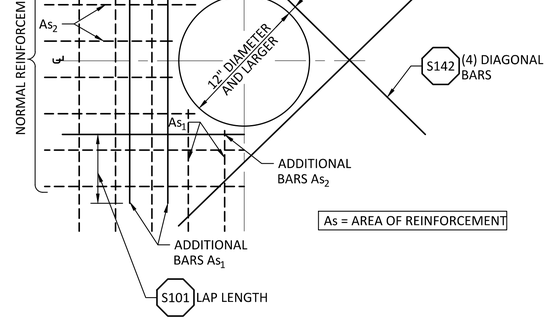
SECTION

NOTES:
1. REFER TO STD DETAIL S101 FOR REBAR LAP LENGTHS.
2. UNLESS NOTED OTHERWISE USE REBAR COUPLERS FOR SPLICES OF #11 AND LARGER BARS.
3. ALL DOWEL BARS SHALL EXTEND AN EMBEDMENT LENGTH E INTO ANOTHER MEMBER IN ACCORDANCE WITH ACI 350-06 OR ACROSS A CONSTRUCTION JOINT UNLESS SHOWN TO SPLICE WITH OTHER BARS OR TO EXTEND TO THE FAR FACE OF THE MEMBER AND END WITH A STANDARD HOOK.

STANDARD 90° BAR HOOKS, EMBEDMENT LENGTHS AND LAP LENGTHS

S143

SCALE: NTS



NOTES:
1. CUT NORMAL REINFORCEMENT AT OPENINGS:
   As_1 AND As_2 = ½ AREA OF CUT BARS TO BE ADDED ON EACH SIDE OF OPENING.
2. ADDITIONAL BARS As_1 AND As_2 TO BE PLACED:
   A. AT CENTERLINE OF WALLS OR SLABS WHERE ONE LAYER OF REINFORCEMENT IS PROVIDED.
   B. AT EACH FACE OF WALLS OR SLABS WHERE TWO LAYERS OF REINFORCEMENT ARE PROVIDED.
3. INCREASE SIZE OF ADDITIONAL BARS AS NEEDED TO FIT WITHIN A DISTANCE OF 2 X WALL/SLAB THICKNESS FROM OPENING, PROVIDE 2" MIN CLEAR BETWEEN BARS.
4. THIS DETAIL TO BE USED ONLY WHEN NO OTHER DETAIL IS INDICATED ON THE DRAWINGS.
5. WHERE A SLAB OR INTERSECTING WALL CONNECTS WITHIN ONE WALL THICKNESS OF THE OPENINGS, ADDITIONAL BARS ON THAT SIDE MAY BE OMITTED.

ADDITIONAL REINFORCEMENT AT CIRCULAR OPENINGS (12" DIA OR LARGER)

S144

SCALE: NTS

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

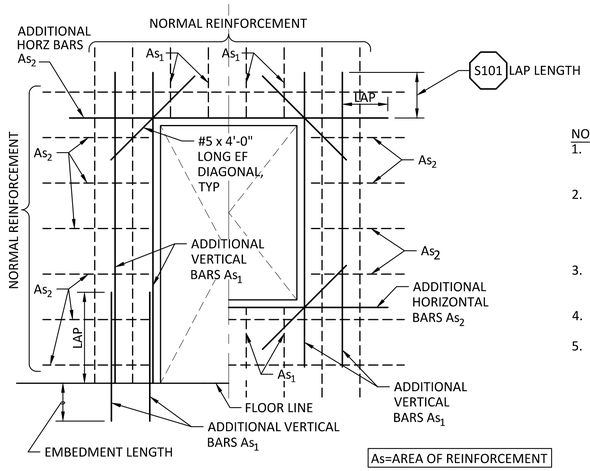
KLAMATH RIVER RENEWAL CORPORATION
FALL CREEK FISH HATCHERY
STRUCTURAL
STANDARD DETAILS 2

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

DRAWING
GS003

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\GS003.dwg Plot date: Oct 27, 2020 01:06pm, CAD User: Guerrero



ELEVATION

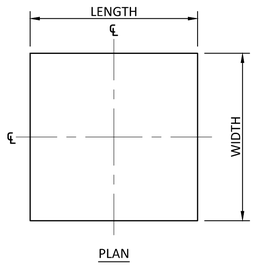
As=AREA OF REINFORCEMENT

NOTES:
1. CUT NORMAL REINFORCEMENT AT OPENINGS: As_1 AND As_2 AREA OF CUT BARS TO BE ADDED ON EACH SIDE OF OPENING.
2. ADDITIONAL BARS As_1 AND As_2 TO BE PLACED:
   A. AT CENTERLINE OF WALLS OR SLABS WHERE ONE LAYER OF REINFORCEMENT IS PROVIDED.
   B. AT EACH FACE OF WALLS OR SLABS WHERE TWO LAYERS OF REINFORCEMENT ARE PROVIDED.
3. INCREASE SIZE OF ADDITIONAL BARS AS NEEDED TO FIT WITHIN A DISTANCE OF 2 X WALL/SLAB THICKNESS FROM OPENING, PROVIDE 2" MIN CLEAR BETWEEN BARS.
4. THIS DETAIL TO BE USED ONLY WHEN NO OTHER DETAIL IS INDICATED ON THE DRAWINGS.
5. WHERE A SLAB OR INTERSECTING WALL CONNECTS WITHIN ONE WALL THICKNESS OF THE OPENINGS, ADDITIONAL BARS ON THAT SIDE MAY BE OMITTED.

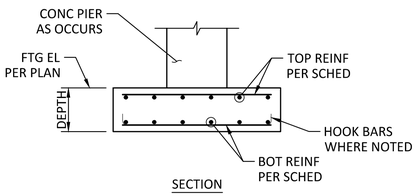
ADDITIONAL REINFORCEMENT AROUND RECTANGULAR OPENINGS

S148

SCALE: NTS



PLAN



SECTION

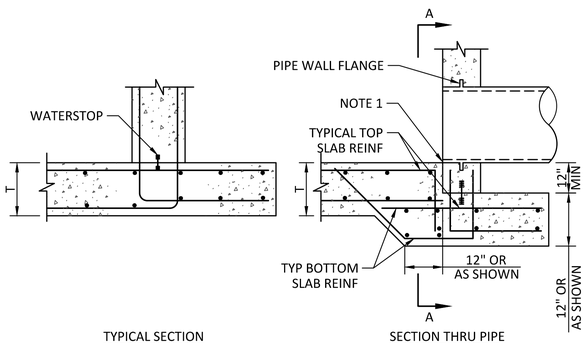
CONCRETE FOOTING SCHEDULE					
MARK	WIDTH	LENGTH	DEPTH	REINFORCEMENT	COMMENTS
F3	3'-0"	3'-0"	1'-0"	#4@12" EW, T&B	
F4	4'-0"	4'-0"	1'-0"	#4@12" EW, T&B	HOOK BOTTOM BARS EA END
F5	5'-0"	5'-0"	1'-6"	#4@12" EW, T&B	HOOK BOTTOM BARS EA END
F6	6'-0"	6'-0"	1'-6"	#5@12" EW, T&B	HOOK BOTTOM BARS EA END
F7A	7'-0"	7'-0"	2'-0"	#5@12" EW, T&B	HOOK BOTTOM BARS EA END
F7B	7'-0"	7'-0"	2'-6"	#5@6" EW, T&B	HOOK BOTTOM BARS EA END
F8	8'-0"	8'-0"	2'-6"	#5@6" EW, T&B	HOOK BOTTOM BARS EA END

NOTES:
1. SPREAD FOOTINGS SHALL BE CENTERED BELOW BUILDING COLUMNS UNLESS NOTED OTHERWISE.
2. REFER TO "CONCRETE FOOTING SCHEDULE" FOR DIMENSIONS AND REINFORCING.

TYPICAL CONCRETE FOOTING DETAIL

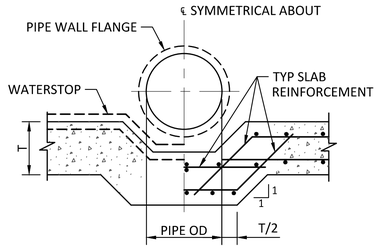
S161

SCALE: NTS



TYPICAL SECTION

SECTION THRU PIPE



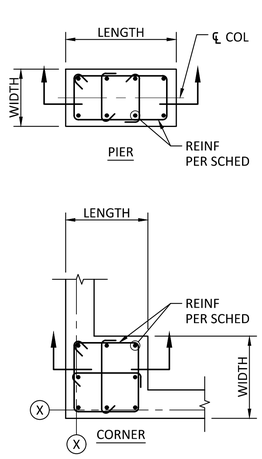
SECTION A-A

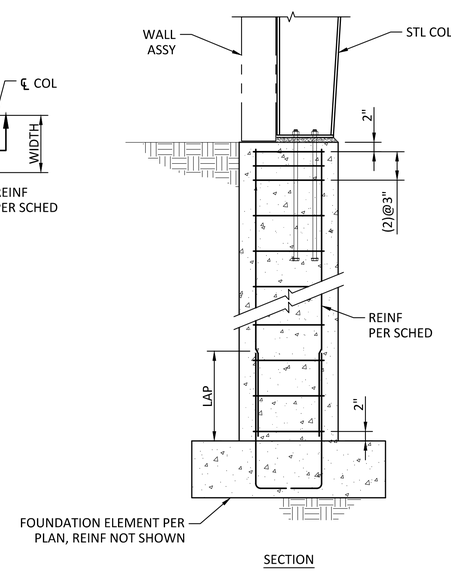
NOTES:
1. SET PIPE INVERT FLUSH WITH SLAB.
2. DETAIL IS SIMILAR FOR RCP.

FOOTING AT WALL PIPE CONNECTION

S150

SCALE: NTS





SECTION

CONCRETE PIER / PILASTER SCHEDULE					
MARK	WIDTH	LENGTH	TYPE	REINFORCEMENT	
				VERTICAL	TIES
P1	1'-2"	2'-6"	PIER	(8) #6	#4 @ 8"
P2	1'-10"	1'-11"	CORNER	(6) #6	#4 @ 8"
P3	1'-2"	1'-11"	PILASTER	(8) #6	#4 @ 8"
P4	1'-0"	1'-10"	PILASTER	(8) #6	#4 @ 8"
P5	1'-0"	1'-8"	PILASTER	(8) #6	#4 @ 8"
P6	1'-5"	1'-10"	CORNER	(6) #6	#4 @ 8"
P7	SEE PLANS		CORNER	(8) #6	#4 @ 8"
P8	1'-0"	1'-4"	PILASTER	(6) #6	#4 @ 8"
P9	1'-0"	1'-4"	PIER	(6) #6	#4 @ 8"

NOTES:
1. REFER TO "CONCRETE PIER SCHEDULE" FOR DIMENSIONS AND REINFORCING. PIER LENGTH IS THE DIMENSION PARALLEL TO THE COLUMN WEB.
2. CONCRETE PIERS/PILASTERS SHALL BE CENTERED BELOW COLUMNS UNLESS NOTED OTHERWISE ON PLANS.
3. COORDINATE REINFORCEMENT LOCATION WITH COLUMN BASE ANCHOR RODS.
4. WALL REINFORCEMENT AND/OR GRADE BEAM REINFORCEMENT IN CONTINUOUS THROUGH PIER/PILASTER UNLESS OTHERWISE NOTED.

TYPICAL PIER PILASTER DETAIL

S162

SCALE: NTS

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

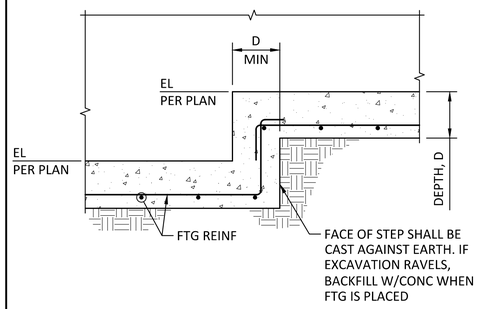
STRUCTURAL
STANDARD DETAILS 3

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

DRAWING
GS004

JOB NO: 000000

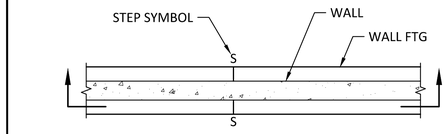
Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\GS004.dwg Plot date: Oct 27, 2020 01:06pm, CAD User: Guerrero

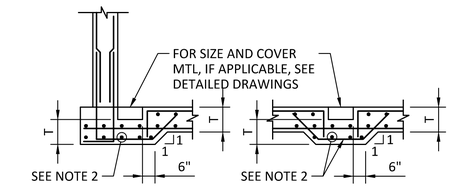


TYPICAL STEEPED WALL FOOTING

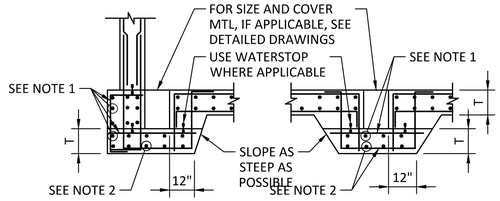
S163

SCALE: NTS

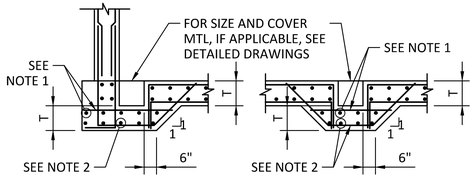




DEPTHS LESS THAN OR EQUAL TO T



FOR DEPTHS BETWEEN T AND 2T

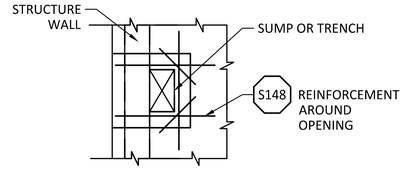


DEPTHS LESS THAN OR EQUAL TO T

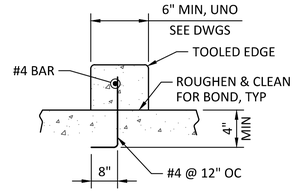
REINFORCING AT SUMPS AND TRENCHES

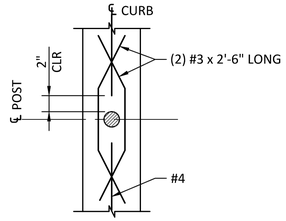
S177

SCALE: NTS



NOTES:
1. BAR SIZE SHALL MATCH SLAB TOP BAR SIZE.
2. BAR SIZE SHALL MATCH SLAB BOTTOM BAR SIZE.



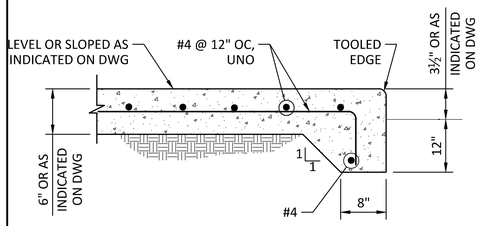


NOTES:
1. CURBS SHALL BE OF EQUAL WIDTH IN THEIR ENTIRE LENGTH.
2. DETAIL ALSO APPLIES TO TOPS OF WALLS REINFORCED WITH ONE CURTAIN OF STEEL.
3. ADD PANEL NOTCH IF SHOWN IN STRUCT DRAWINGS.

CONCRETE CURB

S180

SCALE: NTS

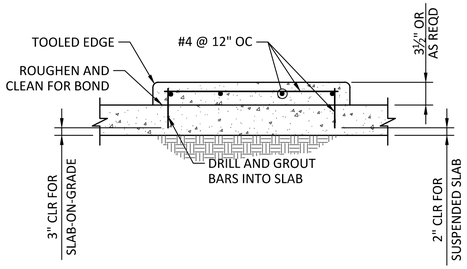


NOTE:
1. USE 2 MATS OF #5 @ 12" OC, EW, EF FOR SLABS 10" AND THICKER.

SLAB-ON-GRADE

S190

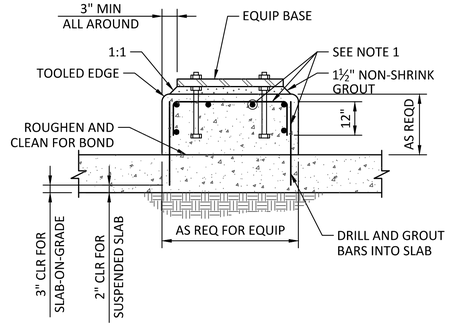
SCALE: NTS



HOUSEKEEPING PAD

S191

SCALE: NTS

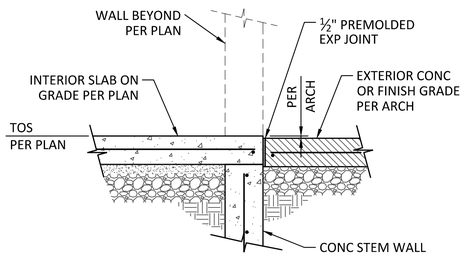


NOTE:
1. #5 @ 12" OC OR AS REQD TO DEVELOP ANCHOR BOLTS

EQUIPMENT BASE

S192

SCALE: NTS



CONCRETE SLAB ON GRADE @ THRESHOLD

S197

SCALE: NTS

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

REGISTERED PROFESSIONAL ENGINEER
TAYLOR M. BOWEN
No. C90694
CIVIL
10-31-2020
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

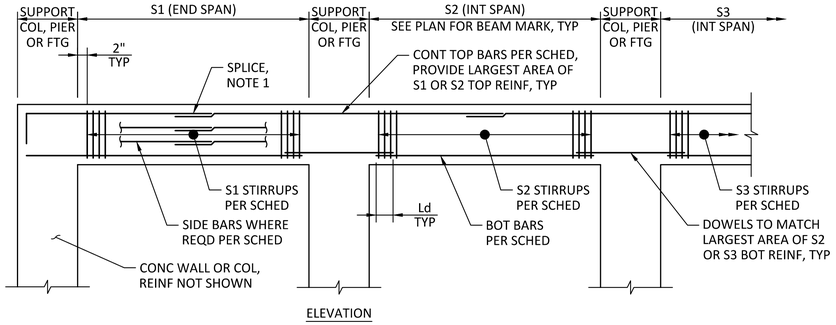
STRUCTURAL
STANDARD DETAILS 4

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

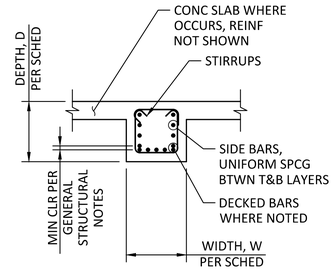
DRAWING
GS005

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\GS005.dwg Plot date: Oct 27, 2020 01:06pm, CAD User: Guerrero



ELEVATION



SECTION

NOTE:
1. CONTINUOUS TOP BARS AND SIDE BARS MAY BE SPLICED AT MIDDLE OF BEAM SPAN AT THE CONTRACTOR'S OPTION. PROVIDE CONTACT LAP SPLICE WITH MIN LAP LENGTH PER STD DETAIL S101.
2. REFER TO THE "CONCRETE GRADE BEAM SCHEDULE" FOR BAR CALLOUTS.
3. TOP BARS AND BOTTOM BARS WILL BE PLACED IN A SINGLE LAYER UNLESS NOTED OTHERWISE IN THE SCHEDULE.

CONCRETE GRADE BEAM SCHEDULE

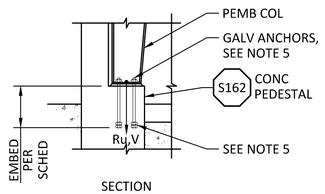
MARK	SIZE (WIDTH x DEPTH)	BOTTOM BARS	TOP BARS	STIRRUPS	SIDE BARS	COMMENTS
GB1	24" x 24"	(2) #7	(2) #7	#4 @ 18"	(2) #7	SPLICE SIDE BARS SIMILAR TO TOP BARS
GB2	SEE PLAN	(2) #7	(2) #7	#4 @ 18"	(2) #7	SPLICE SIDE BARS SIMILAR TO TOP BARS

CONCRETE BEAM

SCALE: NTS

S198

PLAN



SECTION

FACTORED COLUMN BASE REACTIONS

FRAME ID	BUILDING	COLUMN GRIDS		FRAME TYPE	VERTICAL (SEE NOTE 3)		LATERAL Ru,h (kip)	EMBED (in)
					Ru,V (kip)	Ru,V (kip)		
1	COHO BUILDING	A	1	END	-16	54	31	18
1	COHO BUILDING	E	1	END	-16	54	31	18
2	COHO BUILDING	A	2	INTERIOR	-11	46	25	18
2	COHO BUILDING	E	2	INTERIOR	-11	46	25	18
3	COHO BUILDING	A	3	INTERIOR	-7	16	5	12
3	COHO BUILDING	B	3	INTERIOR	-7	34	4	12
3	COHO BUILDING	C	3	INTERIOR	-6	28	4	12
3	COHO BUILDING	D	3	INTERIOR	-8	39	4	12
3	COHO BUILDING	E	3	INTERIOR	-7	16	4	12
4	COHO BUILDING	A	4	INTERIOR	-18	60	29	18
4	COHO BUILDING	E	4	INTERIOR	-18	60	29	18
5	COHO BUILDING	A	5	END	-11	15	3	18
5	COHO BUILDING	B	5	END	-6	18	4	12
5	COHO BUILDING	C	5	END	-5	17	4	12
5	COHO BUILDING	D	5	END	-6	22	4	12
5	COHO BUILDING	E	5	END	-10	15	14	18
1	CHINOOK INCUBATION BUILDING	A	1	END	-2	5	2	12
1	CHINOOK INCUBATION BUILDING	B	1	END	-5	15	3	12
1	CHINOOK INCUBATION BUILDING	C	1	END	-6	17	4	12
1	CHINOOK INCUBATION BUILDING	D	1	END	-3	8	2	12

FACTORED COLUMN BASE REACTIONS

FRAME ID	BUILDING	COLUMN GRIDS		FRAME TYPE	VERTICAL (SEE NOTE 3)		LATERAL Ru,h (kip)	EMBED (in)
					Ru,V (kip)	Ru,V (kip)		
2	CHINOOK INCUBATION BUILDING	A	2	INTERIOR	-9	34	16	12
2	CHINOOK INCUBATION BUILDING	D	2	INTERIOR	-9	34	16	12
3	CHINOOK INCUBATION BUILDING	A	3	INTERIOR	-9	34	16	12
3	CHINOOK INCUBATION BUILDING	D	3	INTERIOR	-9	34	16	12
4	CHINOOK INCUBATION BUILDING	A	4	INTERIOR	-2	7	2	12
4	CHINOOK INCUBATION BUILDING	B	4	INTERIOR	-5	16	2	12
4	CHINOOK INCUBATION BUILDING	C	4	END	-6	17	4	12
4	CHINOOK INCUBATION BUILDING	D	4	END	-3	8	2	12
5	CHINOOK INCUBATION BUILDING	A	5	END	-2	5	2	12
5	CHINOOK INCUBATION BUILDING	B	5	END	-2	5	2	12
1	SPAWNING BUILDING	A	1	END	-1	2	1	12
1	SPAWNING BUILDING	B	1	END	-1	2	1	12
3	SPAWNING BUILDING	A	3	END	-1	2	1	12
3	SPAWNING BUILDING	A	3	END	-1	2	1	12
A	SPAWNING BUILDING	A	1	END	-5	11	2	12
A	SPAWNING BUILDING	A	2	END	-4	14	3	12
A	SPAWNING BUILDING	A	3	END	-4	12	3	12
A	SPAWNING BUILDING	A	4	END	-2	7	2	12
B	SPAWNING BUILDING	B	1	END	-5	11	2	12
B	SPAWNING BUILDING	B	2	END	-4	14	3	12
B	SPAWNING BUILDING	B	3	END	-4	12	3	12
B	SPAWNING BUILDING	B	4	END	-2	7	2	12

NOTES:
1. THE METAL BUILDING FOUNDATION DESIGN IS BASED ON THE PRELIMINARY COLUMN BASE REACTIONS IN THE "FACTORED COLUMN BASE REACTIONS" TABLE.
2. THE METAL BUILDING COLUMN BASE CONFIGURATION AND ORIENTATION SHOWN IN THIS DETAIL ARE GENERIC. REFER TO PLANS AND DETAILS FOR MORE INFORMATION.
3. POSITIVE REACTIONS ACT DOWNWARDS, NEGATIVE REACTIONS ACT UPWARDS.
4. ANCHOR BOLT LAYOUT, QUANTITY, AND SIZES WILL BE DETERMINED BY THE CONTRACTOR AND METAL BUILDING MANUFACTURER. ANCHOR EMBEDMENTS SHOWN ARE PRELIMINARY AND WILL BE FINALIZED UPON REVIEW OF SECTION 13 34 19 TYPE B SUBMITTALS INCLUDING PLACEMENT AND SETTING DETAILS OF CAST-IN-PLACE ANCHOR BOLTS AND LOCATION, MAGNITUDE, AND DIRECTION OF LOADS IMPOSED ON THE FOUNDATION SYSTEM.
5. ANCHOR RODS WILL BE PREFABRICATED WITH MATCHING DOUBLE HEAVY HEX NUTS JAMMED AT THE END EMBEDDED IN CONCRETE. FURNISH HARDENED PLATE WASHERS, LOCK WASHERS, AND MATCHING HEAVY HEX NUTS FOR SECURING THE BASE PLATE TO THE ANCHOR RODS. ANCHOR ROD NUTS WILL BE INSTALLED TO A SNUG-TIGHT CONDITION AFTER COLUMN BASE INSTALLATION.

METAL BUILDING COLUMN BASE

SCALE: NTS

S366

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

McMILLEN JACOBS ASSOCIATES

KLAMATH RIVER RENEWAL CORPORATION

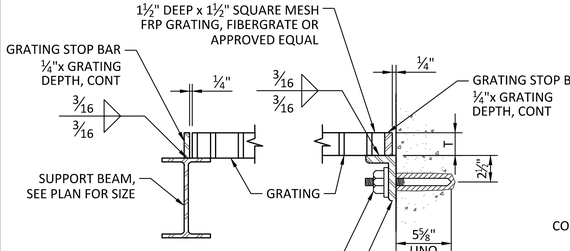
KLAMATH RIVER RENEWAL CORPORATION
FALL CREEK FISH HATCHERY
STRUCTURAL
STANDARD DETAILS 5

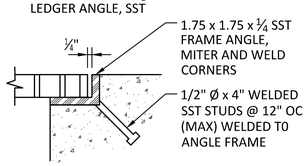
DESIGNED Z. AUTIN
DRAWN R. GUERRERO
CHECKED T. BOWEN
PROJECT DATE 10/28/20

DRAWING
GS006

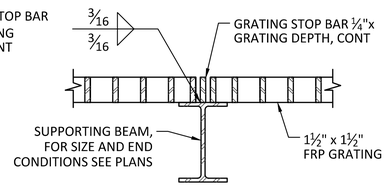
JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\GS006.dwg Plot date: Oct 27, 2020 01:06pm, CAD User: Guerrero

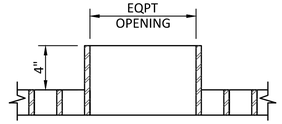




EMBED ANGLE SUPPORT



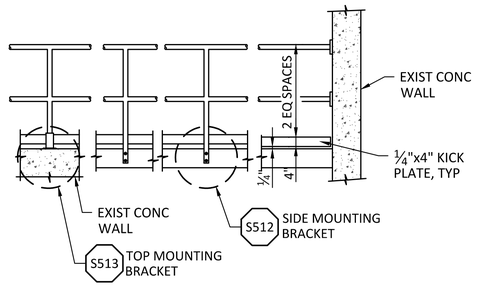
TWO SIDED



EQUIPMENT OPENINGS

GRATING

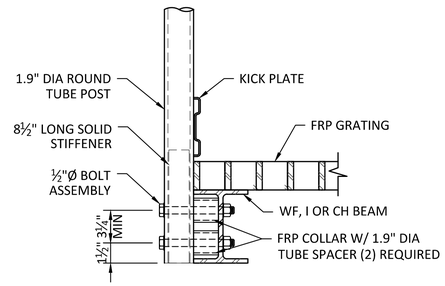
SCALE: NTS — S501



NOTES:
1. HANDRAIL SHALL BE FRP PER SPECIFICATION SECTION 06 82 00 FIBER REINFORCED PLASTIC FABRICATIONS.
2. CONTRACTOR REQD TO DESIGN RAILING SYSTEM PER SPECIFICATIONS.
3. ALL RAILINGS TO HAVE A 4" KICK PLATE UNLESS MOUNTED ON A CURB.
4. ALL HANDRAIL CONNECTIONS SHALL BE PER MANUFACTURE'S RECOMMENDATIONS.

TWO-RAIL - GUARDRAIL DETAIL

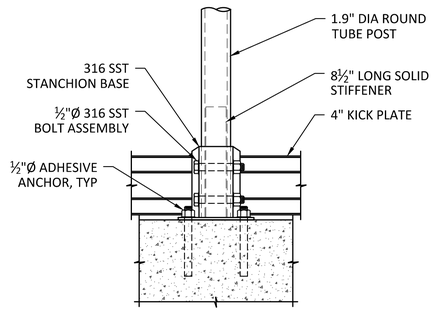
SCALE: NTS — S511



NOTES:
1. INSTALL FRP GUARDRAIL PER MANUFACTURERS RECOMMENDATIONS.
2. REFER TO MANUFACTURERS LITERATURE FOR DETAILING AND INSTALLATION OF GUARDRAILS AND CONNECTIONS.

FRP GUARDRAIL POST TO STEEL BEAM OR CHANNEL WITH FRP SPACERS

SCALE: NTS — S512



FRP GUARDRAIL POST TO CONCRETE

SCALE: NTS — S513

NOTE:
1. USE BASE PLATE OF SAME METAL AS STRINGER.
2. PROVIDE PROTECTION FOR DIS-SIMILAR METALS AND CONCRETE AS SPECIFIED.
3. STAIR HANDRAIL NOT SHOWN.

STAIR BOTTOM CONNECTION TO CONCRETE

SCALE: NTS — S515

NOTE:
1. HANDRAIL NOT SHOWN.

STAIR TOP CONNECTION TO CONCRETE

SCALE: NTS — S516

STANDARD LADDER WITH RUNNER SUPPORTS AT 5'-0" MAX

FIXED LADDER

SCALE: NTS — S531

PLAN

NOTES:
1. LADDERS SHALL BE FRP UNLESS INDICATED OTHERWISE.
2. LADDERS SHALL BE OSHA AND ANSI APPROVED.
3. FRP LADDER MEMBERS SHALL BE SIZED BY THE MANUFACTURER PER THE SPECIFICATIONS.

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

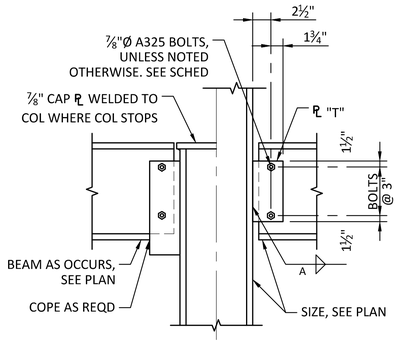
KLAMATH RIVER RENEWAL CORPORATION
FALL CREEK FISH HATCHERY
STRUCTURAL
STANDARD DETAILS 6

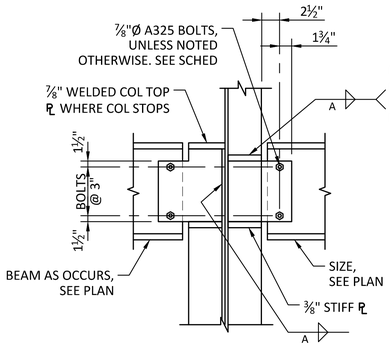
DESIGNED Z. AUTIN
DRAWN R. GUERRERO
CHECKED T. BOWEN
PROJECT DATE 10/28/20

DRAWING
GS007

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\GS007.dwg Plot date: Oct 27, 2020 01:06pm, CAD User: Guerrero



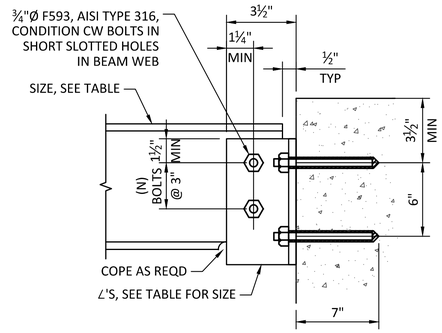


BEAM TO BEAM CONNECTION SCHEDULE				
TYPICAL BEAM	# OF BOLTS (N)	PLATE THICKNESS (T)	WELD SIZE (A)	COMMENTS
W6, W8	2	3/8"	1/4"	

BEAM TO COLUMN CONNECTION

SCALE: NTS

S561

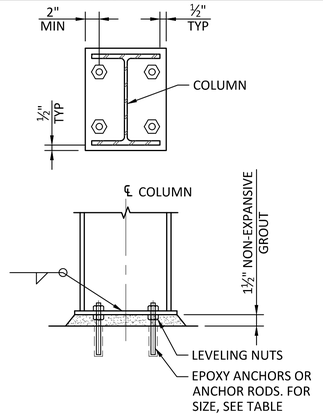


CONNECTION SCHEDULE			
BEAM SIZE	DOUBLE ANGLE SIZE	# OF BOLTS (N)	ADHESIVE ANCHORS NUMBER AND SIZE
W6	4x3½x⅜x0'-8½"	2	(4)-¾" DIA @ 6" OC, EW

BEAM TO CONC CONNECTION

SCALE: NTS

S563

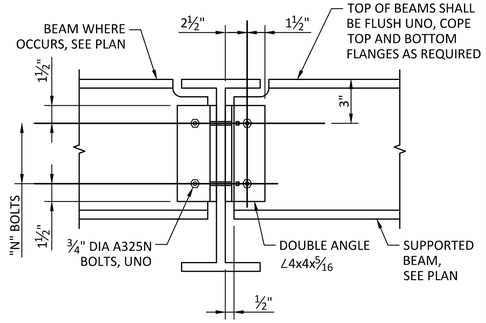


COLUMN BASE PLATE SCHEDULE				
BASE PLATE THICKNESS	ANCHORS			COMMENTS
	QTY	DIA	EMBED	
½"	4	¾"	1'-0"	⅞" DIA HEAVY HEX HEAD CIP ANCHOR, 316 SST

COLUMN BASE PLATE

SCALE: NTS

S567



BEAM TO BEAM CONNECTION SCHEDULE								
SUPPORTED BEAM SIZE	W8 C8	W10 C10	W12 C12	W14 C15	W16	W18	W21	W24
NO. OF BOLTS "N"	2	2	3	3	4	4	5	6

BEAM TO BEAM CONNECTION (DOUBLE ANGLE CONNECTION)

SCALE: NTS

S568

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
STRUCTURAL
STANDARD DETAILS 7

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

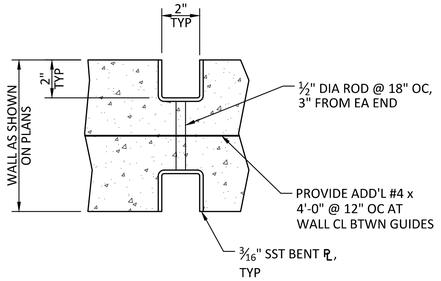
DRAWING
GS008

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\GS008.dwg Plot date: Oct 27, 2020 01:06pm, CAD User: Guerrero

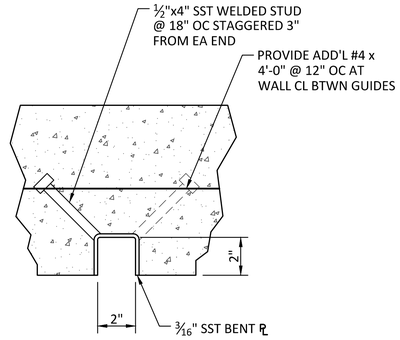
SHEET NOTES:

1. ALL ANCHORS SHALL BE HILTI HIT-RE 500 V3 W/ 316 SST THRD RODS.



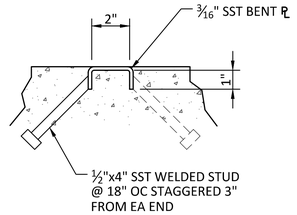
AT INTERIOR WALL

NOTE:
316 SST MAY BE SUBSTITUTED WITH EXTRUDED OR BUILT UP ALUMINUM (COATED PER SPECIFICATIONS) AT CONTRACTOR'S DISCRETION.



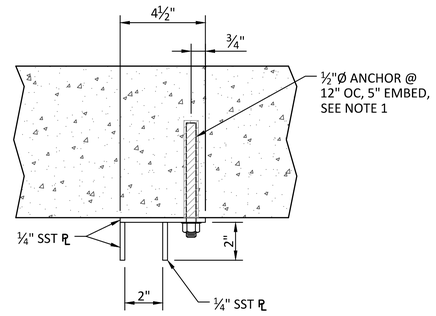
AT EXTERIOR WALL

NOTE:
316 SST MAY BE SUBSTITUTED WITH EXTRUDED OR BUILT UP ALUMINUM (COATED PER SPECIFICATIONS) AT CONTRACTOR'S DISCRETION.



AT FLOOR

NOTE:
316 SST MAY BE SUBSTITUTED WITH EXTRUDED OR BUILT UP ALUMINUM (COATED PER SPECIFICATIONS) AT CONTRACTOR'S DISCRETION.

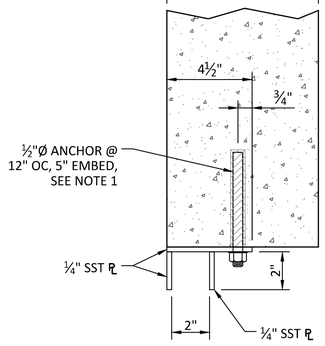


NOTE:
316 SST MAY BE SUBSTITUTED WITH EXTRUDED OR BUILT UP ALUMINUM (COATED PER SPECIFICATIONS) AT CONTRACTOR'S DISCRETION.

IN-LINE SINGLE GUIDE SLOT - PLAN

S581

SCALE: NTS

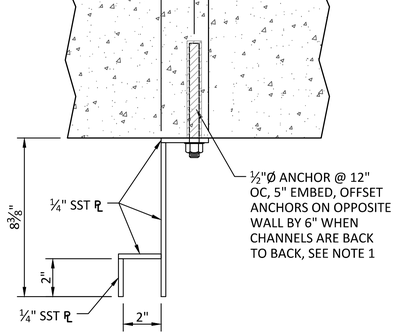


NOTE:
316 SST MAY BE SUBSTITUTED WITH EXTRUDED OR BUILT UP ALUMINUM (COATED PER SPECIFICATIONS) AT CONTRACTOR'S DISCRETION.

SINGLE GUIDE SLOT - PLAN

S583

SCALE: NTS

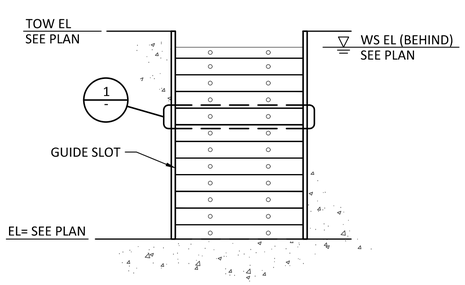


NOTE:
316 SST MAY BE SUBSTITUTED WITH EXTRUDED OR BUILT UP ALUMINUM (COATED PER SPECIFICATIONS) AT CONTRACTOR'S DISCRETION.

FLOOR PLATE SILL AT GUIDE SLOT - SECTION

S584

SCALE: NTS

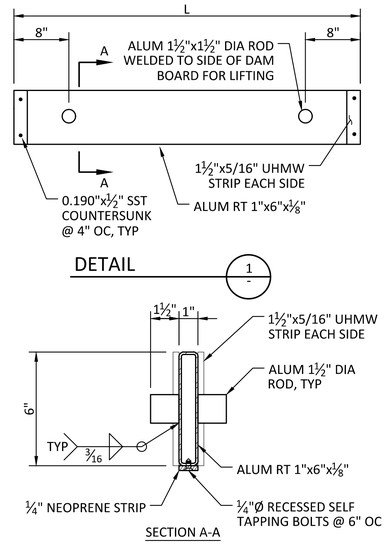


NOTES:
1. LENGTH (L) PER LOCATION - SEE TABLE.
2. DAM BOARD LENGTH TO BE FIELD VERIFIED BEFORE FABRICATION.

GUIDE SLOT B

S585

SCALE: NTS



DAM BOARD SCHEDULE		
LOCATION	LENGTH (L)	# BOARDS
S2A	3'-5"	13
S2B	3'-5"	13
S2C	5'-3"	4
S2D	5'-3"	4
S3A	5'-0⅜"	6
S3B	5'-0⅜"	6
S3C	5'-0⅜"	8
S3D	5'-0⅜"	8
S3E	5'-0⅜"	8
S3F	5'-0⅜"	8
S3G	2'-3"	8
S4A	5'-0⅜"	8
S4B	5'-0⅜"	8
S4C	5'-0⅜"	8
S4D	5'-0⅜"	8
S4E	5'-0⅜"	8
S4F	5'-0⅜"	8
S4G	5'-0⅜"	8
S4H	5'-0⅜"	8

DAM BOARD SCHEDULE		
LOCATION	LENGTH (L)	# BOARDS
S4I	5'-0⅜"	8
S4J	5'-0⅜"	8
S4K	5'-0⅜"	8
S4L	5'-0⅜"	8
S4M	5'-0⅜"	8
S4N	5'-0⅜"	8
S4O	5'-0⅜"	8
S4P	5'-0⅜"	8
S4Q	5'-3"	8
S4R	2'-9"	8
S6A	5'-3"	8
S6B	5'-0½"	8
S6C	3'-3"	8
S6D	5'-0⅜"	8
S6E	2'-9"	8
S6F	2'-9"	8
S6G	5'-0⅜"	8
S6H	4'-3"	8

GUIDE SLOT C

S586

SCALE: NTS

GUIDE SLOT A

S587

SCALE: NTS

DAM BOARD GUIDE SLOT

S588

SCALE: NTS

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

REGISTERED PROFESSIONAL ENGINEER — TAYLOR M. BOWEN — No. C90694 — CIVIL — 10/31/2020 — 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

STRUCTURAL
STANDARD DETAILS 8

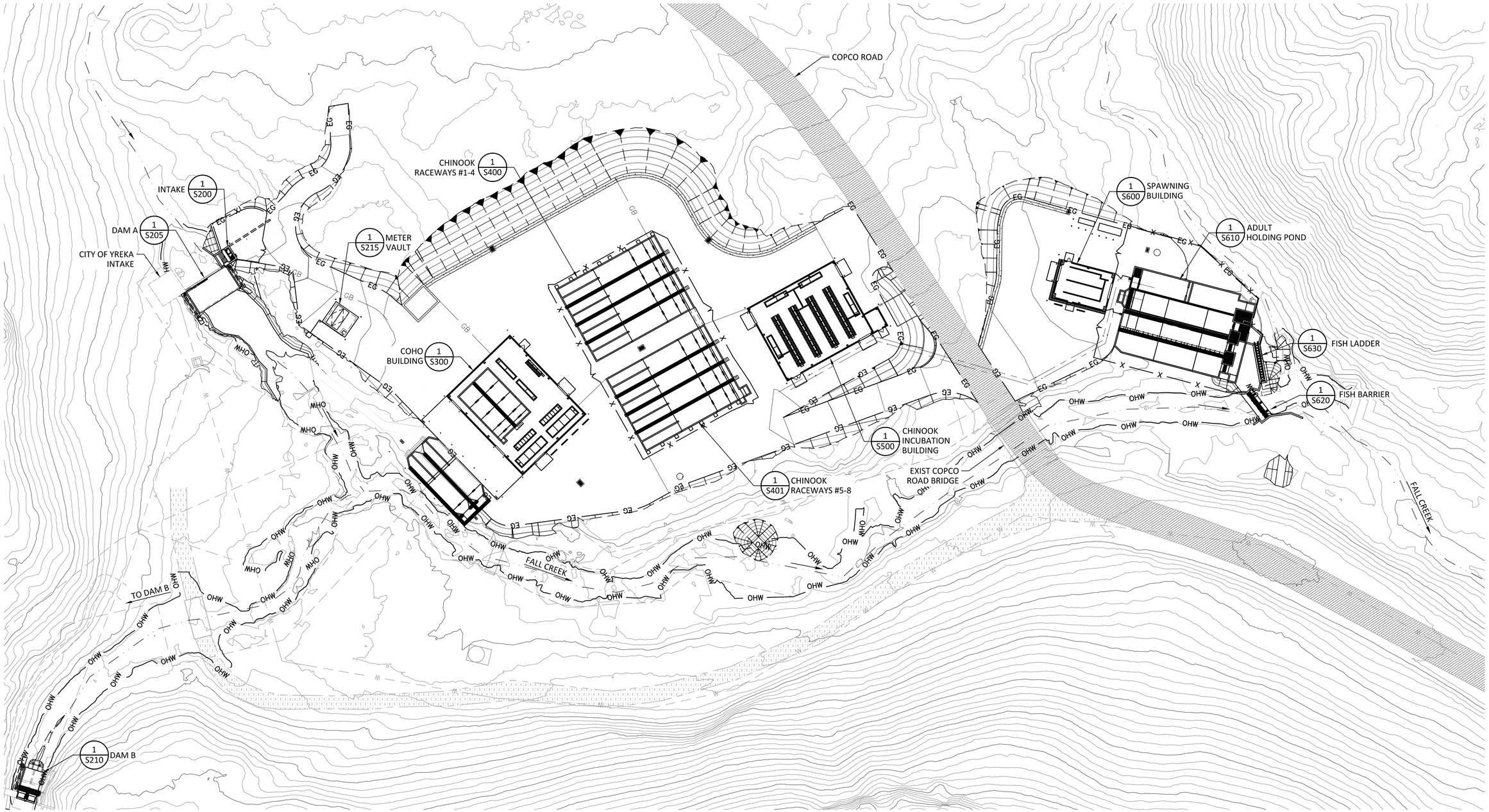
DESIGNED Z. AUTIN
DRAWN R. GUERRERO
CHECKED T. BOWEN
PROJECT DATE 10/28/20

DRAWING

GS009

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\GS009.dwg Plot date: Oct 27, 2020 01:06pm, CAD User: Guerrero



OVERALL STRUCTURE SITE KEY PLAN

SCALE: 1"= 30'

0' 30' 60'

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

OVERALL STRUCTURAL SITE KEY PLAN

DESIGNED Z. AUTIN

DRAWN R. GUERRERO

CHECKED T. BOWEN

PROJECT DATE 10/28/20

DRAWING

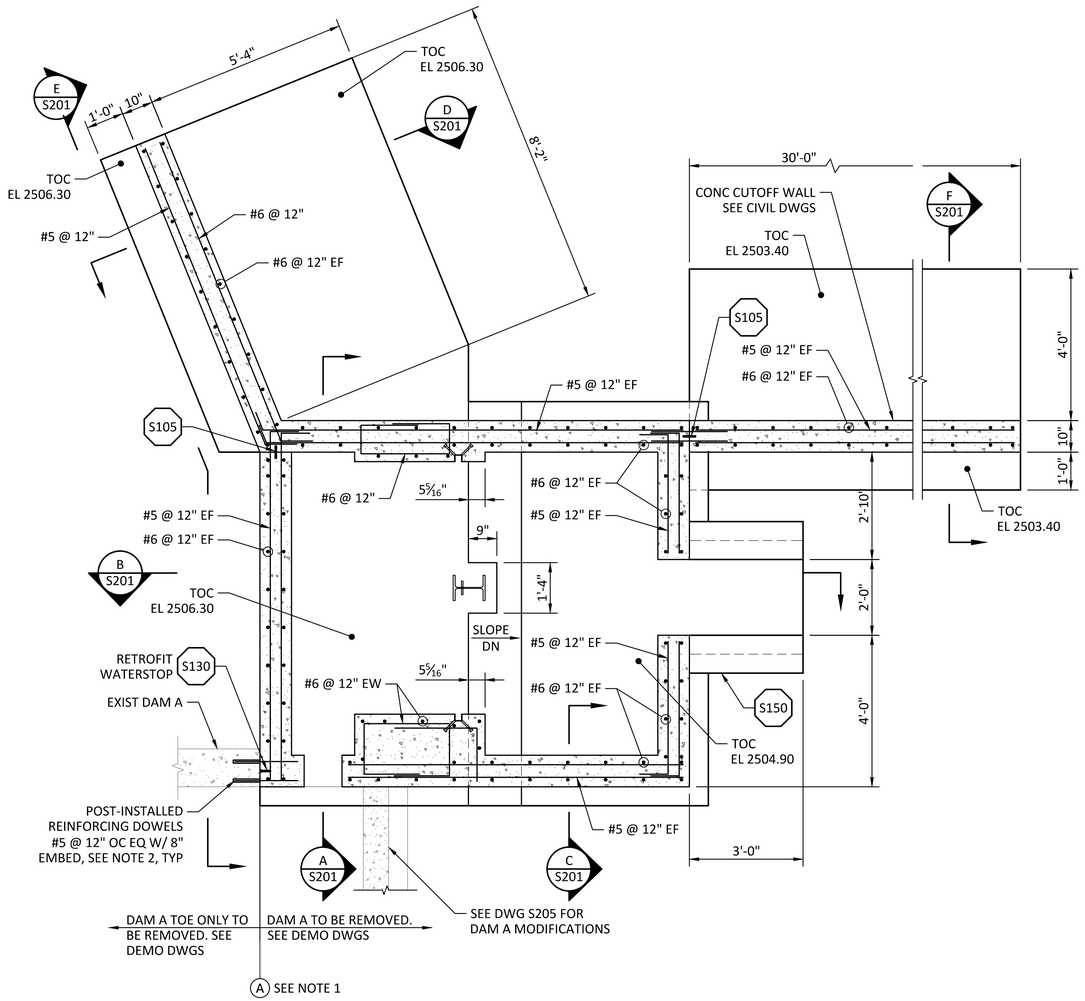
S100

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\S100.dwg Plot date: Oct 27, 2020 01:07pm, CAD User: Guerrero

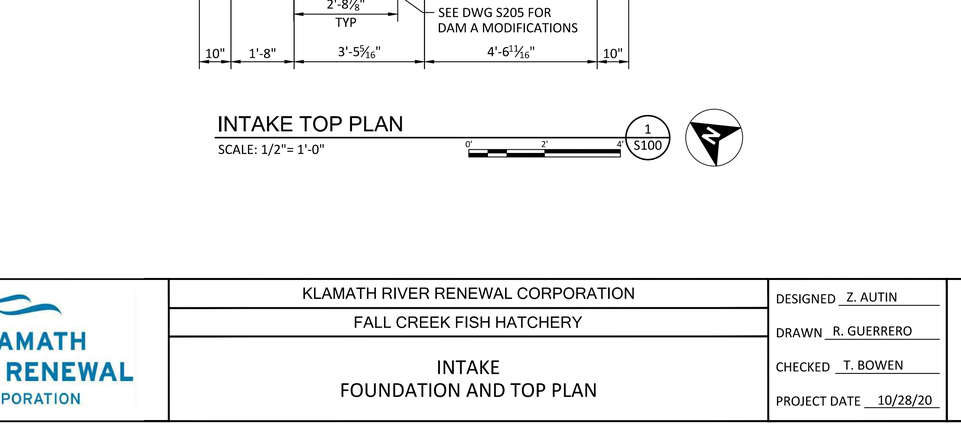
SHEET NOTES:

1. GRIDLINE CORRELATING PROPOSED WORK TO DEMOLITION WORK SHOWN ON SHEET D103.
2. 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.
3. 2" COVER, TYP.



INTAKE FOUNDATION PLAN

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



INTAKE TOP PLAN

SCALE: 1/2"= 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

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
FOUNDATION AND TOP PLAN

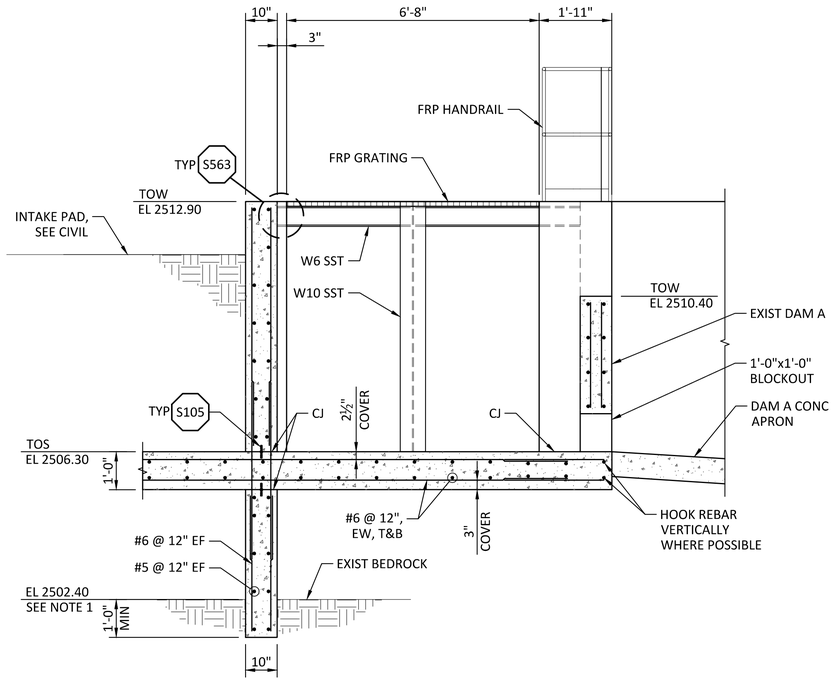
DESIGNED Z. AUTIN
DRAWN R. GUERRERO
CHECKED T. BOWEN
PROJECT DATE 10/28/20

DRAWING

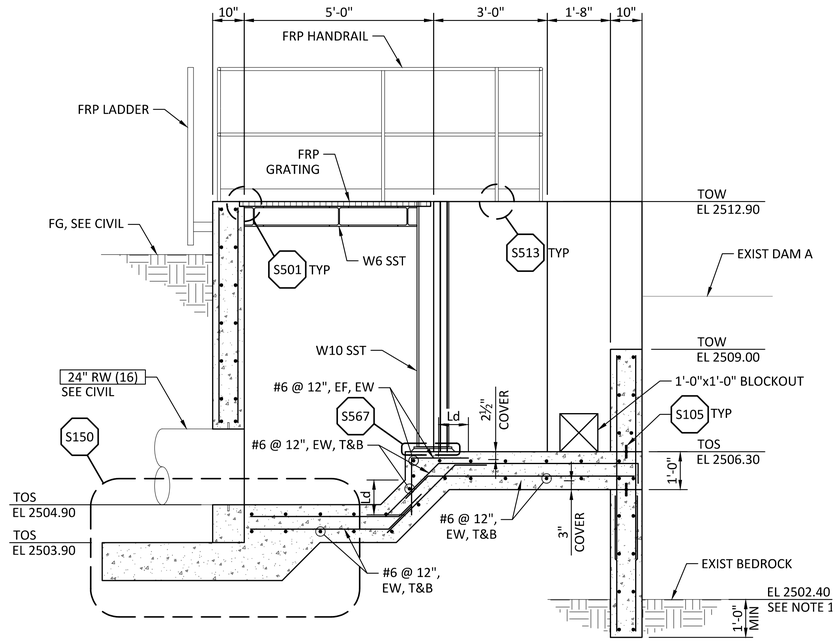
S200

JOB NO: 000000

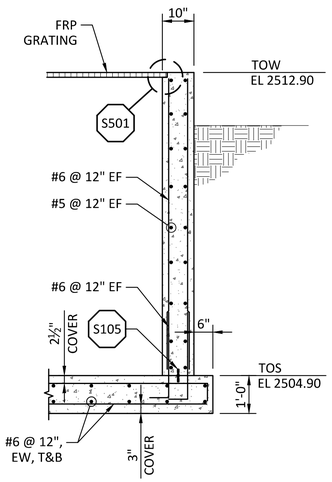
Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\S200.dwg Plot date: Oct 27, 2020 01:07pm, CAD User: Guerrero



SECTION
SCALE: 1/2"= 1'-0"
A S200



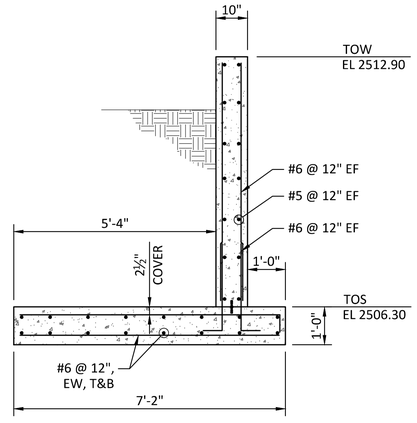
SECTION
SCALE: 1/2"= 1'-0"
B S200



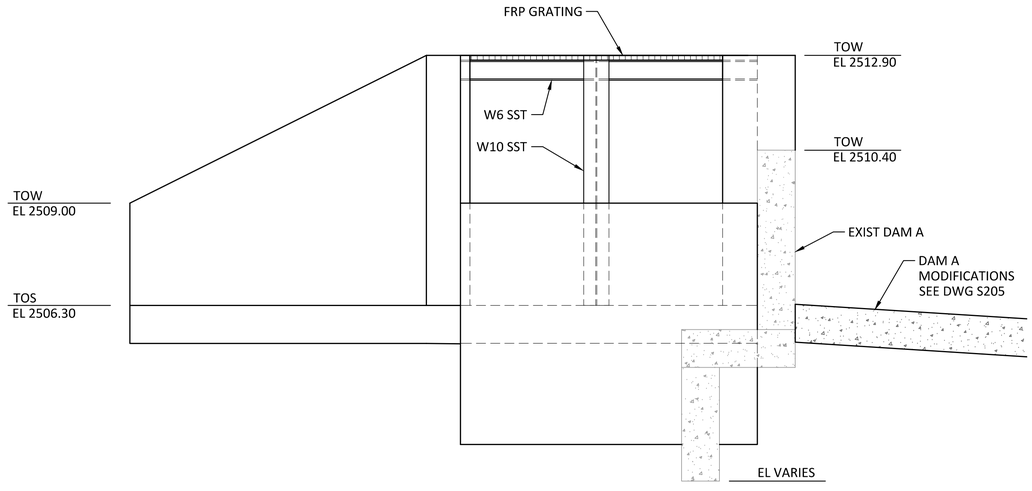
SECTION
SCALE: 1/2"= 1'-0"
C S200

SHEET NOTES:

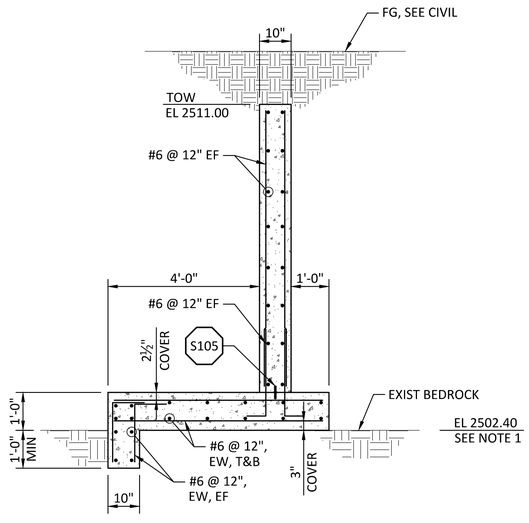
1. FIELD VERIFICATION REQUIRED PRIOR TO APPROVAL OF SHOP DRAWINGS. CUTOFF WALL SHALL EXTEND 12" MINIMUM INTO EXISTING BEDROCK. BEDROCK ELEVATION IS UNKNOWN.
2. 2" COVER, TYP.



SECTION
SCALE: 1/2"= 1'-0"
D S200



SECTION
SCALE: 1/2"= 1'-0"
E S200



SECTION
SCALE: 1/2"= 1'-0"
F S200

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

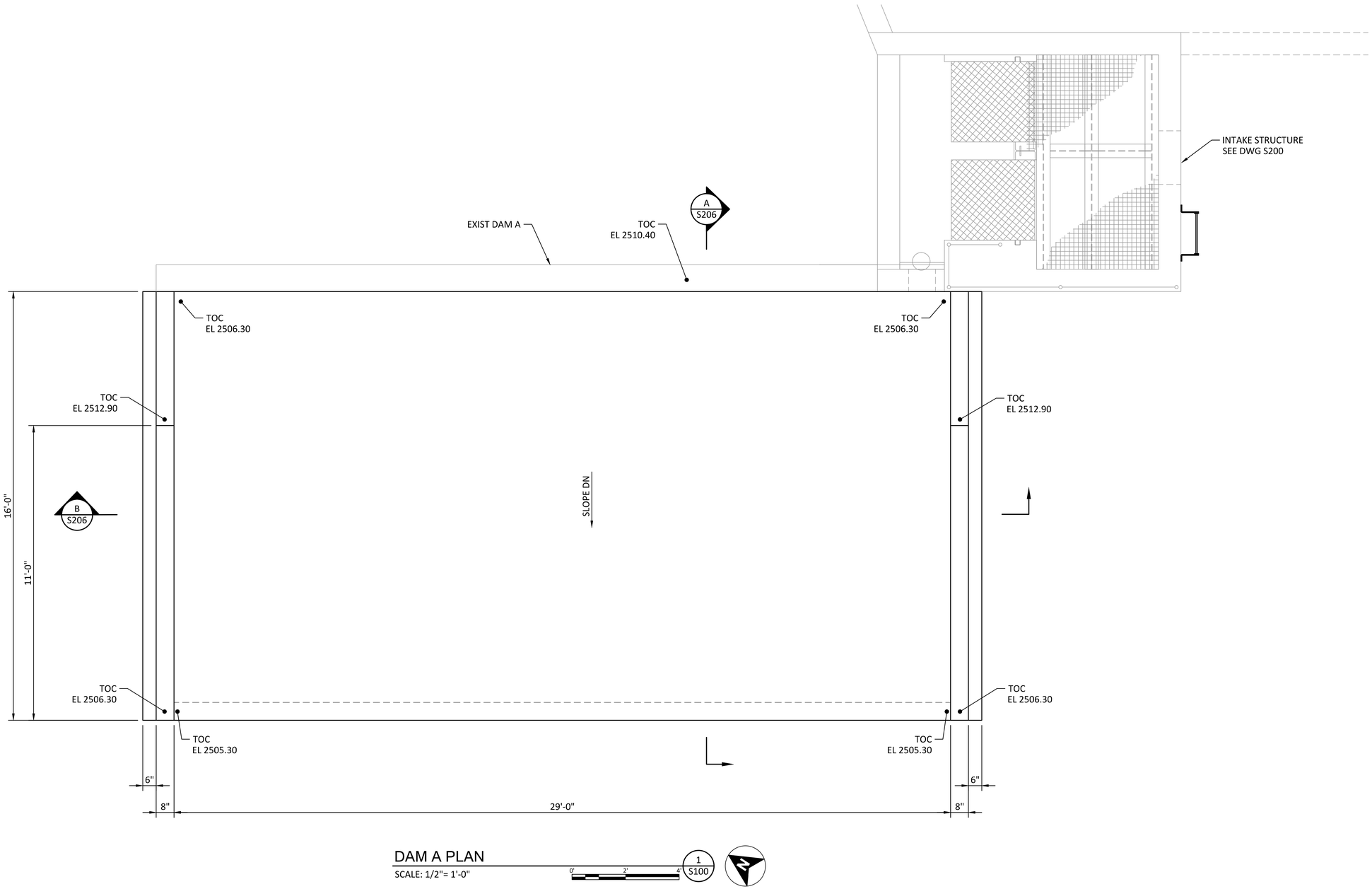
KLAMATH RIVER RENEWAL CORPORATION
FALL CREEK FISH HATCHERY
INTAKE
SECTIONS AND DETAILS

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

DRAWING
S201

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\S201.dwg Plot date: Oct 27, 2020 01:07pm, CAD User: Guerrero



DAM A PLAN

SCALE: 1/2"= 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

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

DAM A
PLAN

DESIGNED Z. AUTIN

DRAWN R. GUERRERO

CHECKED T. BOWEN

PROJECT DATE 10/28/20

DRAWING

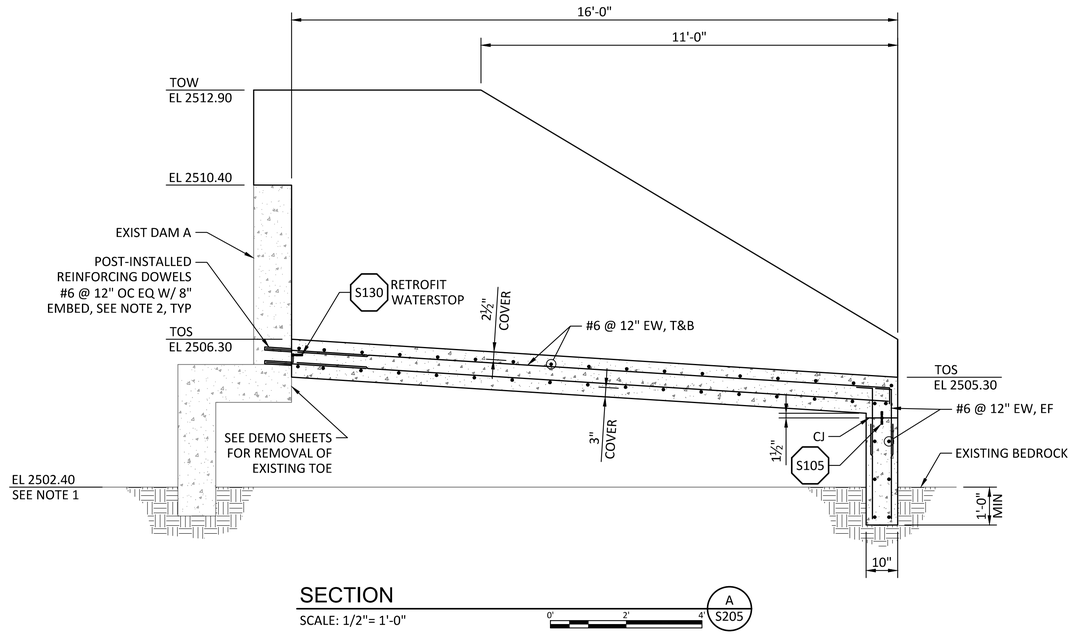
S205

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\S205.dwg Plot date: Oct 27, 2020 01:07pm, CAD User: Guerrero

SHEET NOTES:

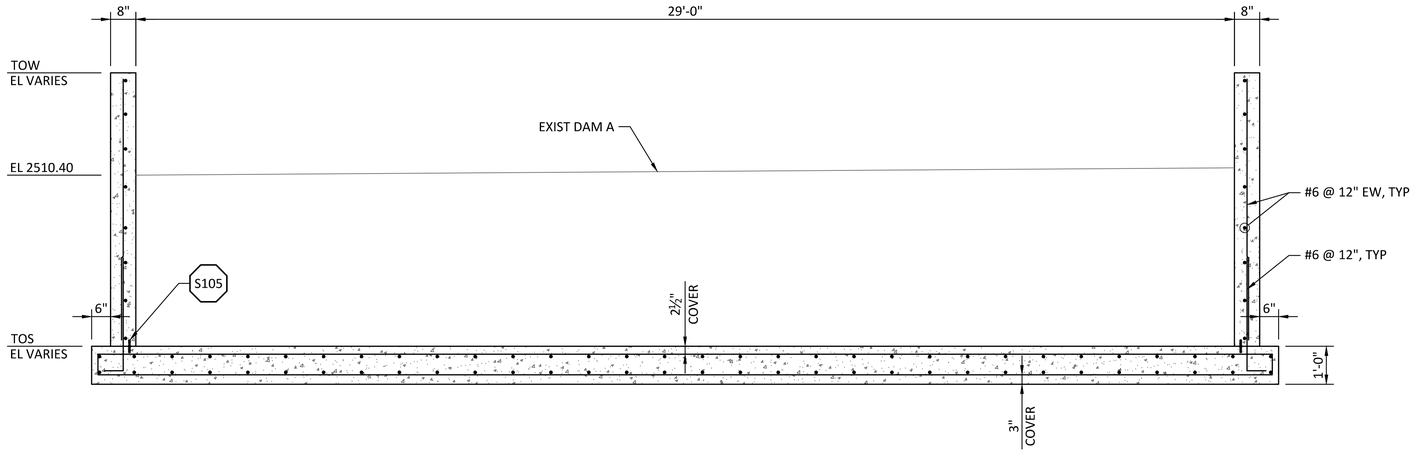
1. FIELD VERIFICATION REQUIRED PRIOR TO APPROVAL OF SHOP DRAWINGS. CUTOFF WALL SHALL EXTEND 1'-0" MINIMUM INTO EXISTING BEDROCK. BEDROCK ELEVATION IS UNKNOWN.
2. WHERE NOTED, POST-INSTALLED (EPOXY) REINFORCING STEEL DOWELS SHALL BE DISPLACED IF NEEDED TO AVOID DAMAGING EXISTING WALL REINFORCING. IN NO CASE SHALL THE FINAL BAR SPACING EXCEED 1.5 TIMES THE SPECIFIED SPACING.
3. 2" COVER, TYP.



SECTION

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

A S205



SECTION

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

B S205

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

DAM A
SECTIONS

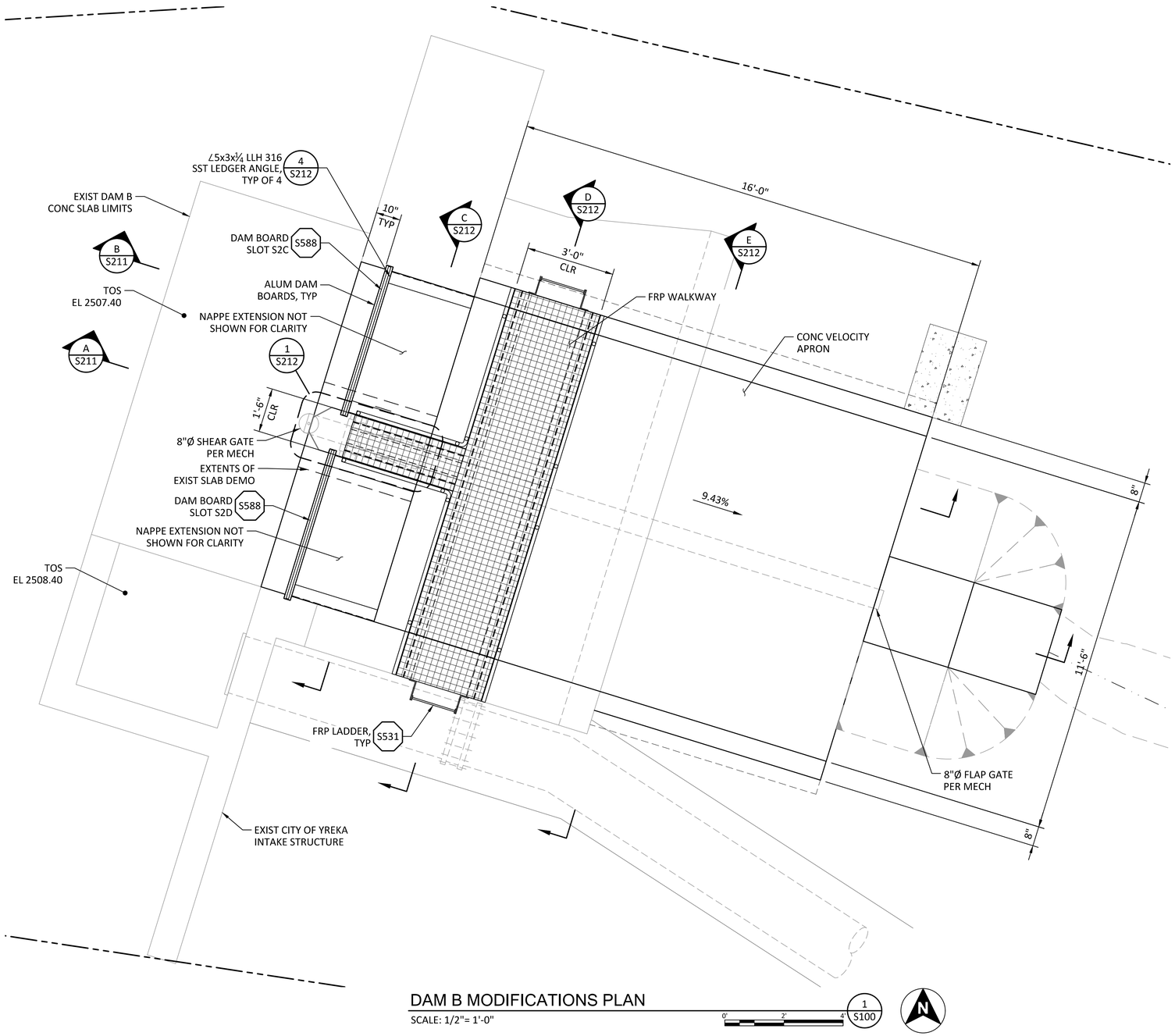
DESIGNED Z. AUTIN
DRAWN R. GUERRERO
CHECKED T. BOWEN
PROJECT DATE 10/28/20

DRAWING

S206

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\S206.dwg Plot date: Oct 27, 2020 01:07pm, CAD User: Guerrero



DAM B MODIFICATIONS PLAN

SCALE: 1/2"= 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

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

DAM B MODIFICATIONS PLAN

DESIGNED Z. AUTIN

DRAWN R. GUERRERO

CHECKED T. BOWEN

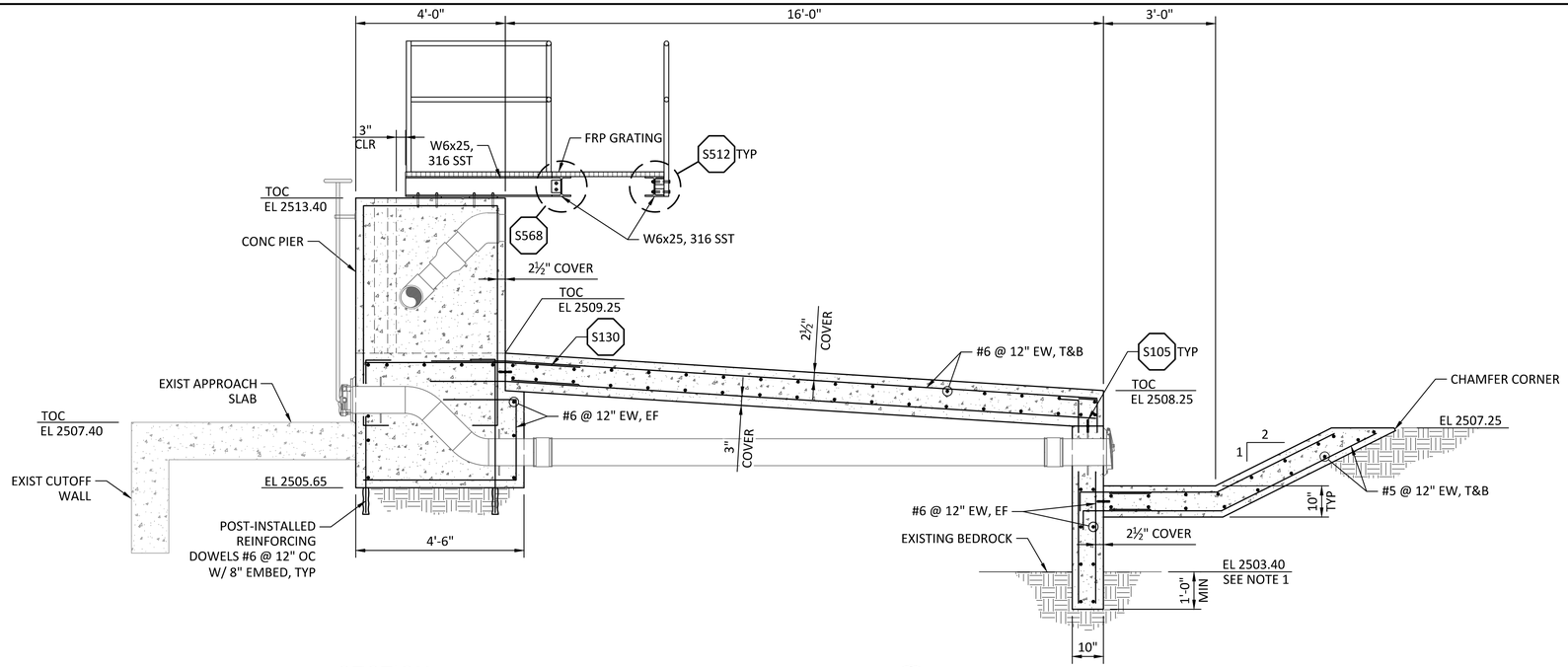
PROJECT DATE 10/28/20

DRAWING

S210

JOB NO: 000000

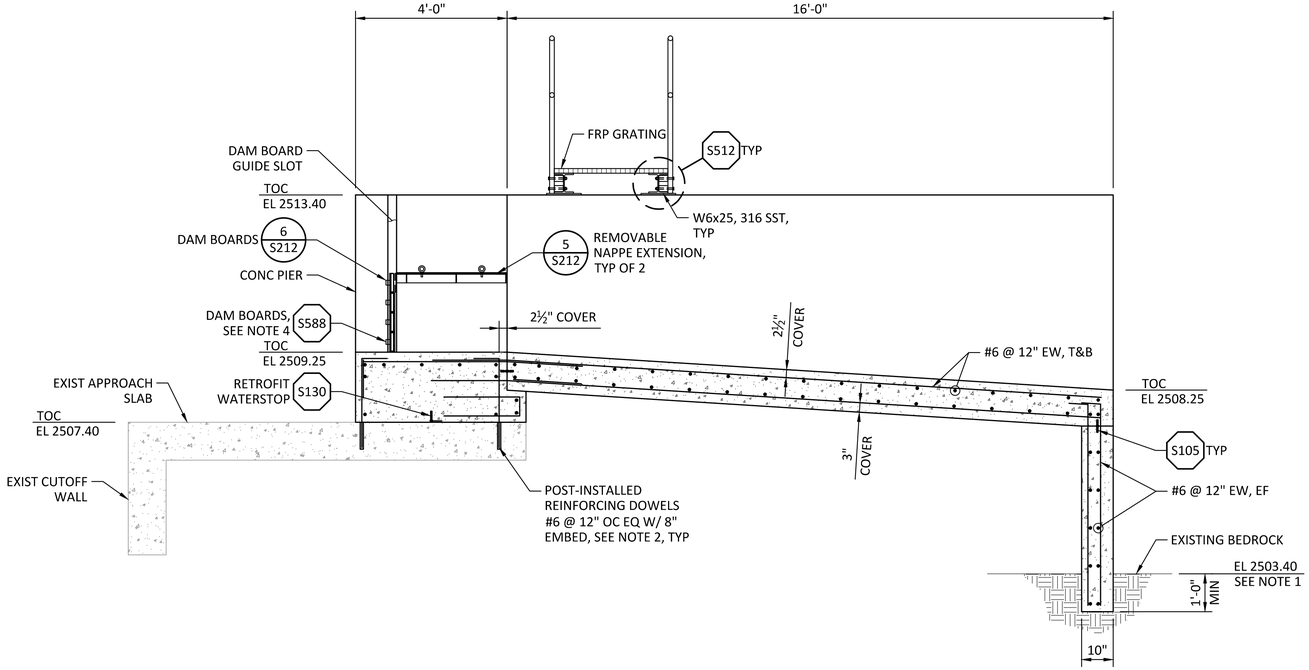
Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\S210.dwg Plot date: Oct 27, 2020 01:08pm, CAD User: Guerrero



SECTION

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

A S210



SECTION

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

B S210

SHEET NOTES:

1. FIELD VERIFICATION REQUIRED PRIOR TO APPROVAL OF SHOP DRAWINGS. CUTOFF WALL SHALL EXTEND 1'-0" MINIMUM INTO EXISTING BEDROCK. BEDROCK ELEVATION IS UNKNOWN.
2. 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.
3. 2" COVER, TYP.
4. DAM BOARDS SHALL BE FABRICATED WITH LIFTING RODS ON ONLY ONE SIDE (UPSTREAM). FOR UPPER DAM BOARDS SEE DETAIL 6/S212.

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

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

DAM B MODIFICATIONS
SECTIONS

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

DRAWING

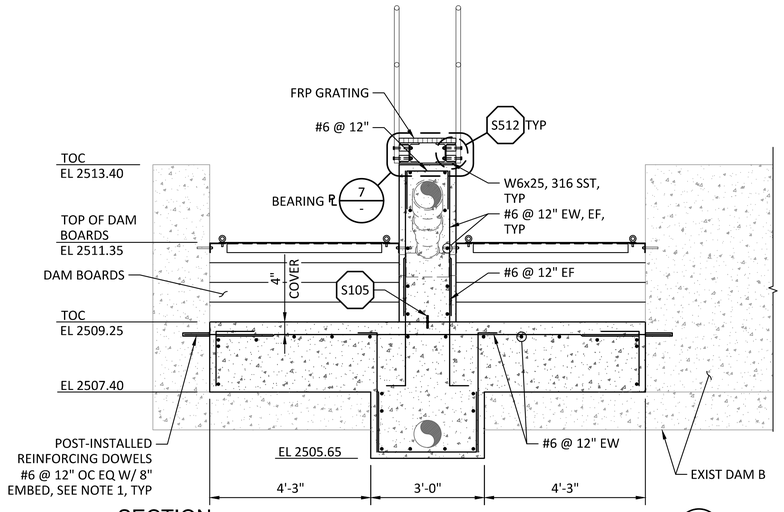
S211

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\S211.dwg Plot date: Oct 27, 2020 01:08pm, CAD User: Guerrero

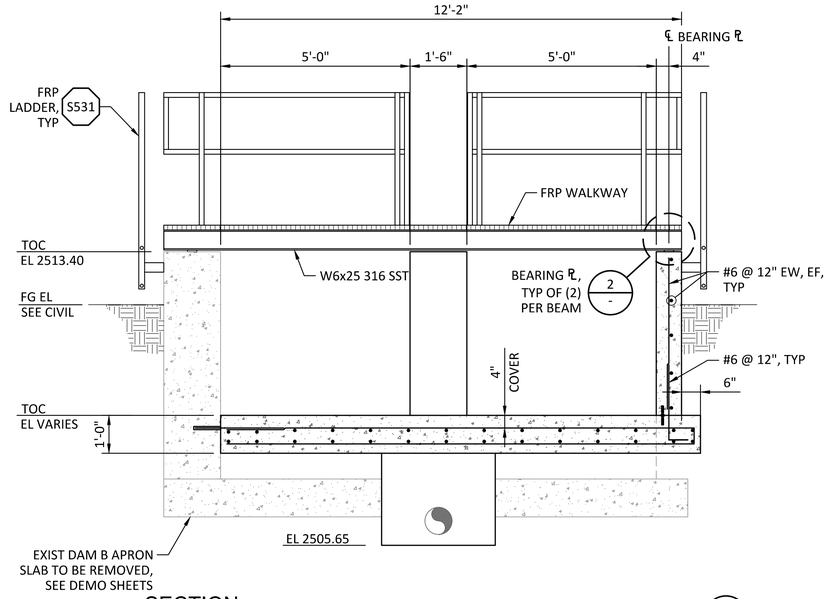
SHEET NOTES:

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. NAPPE EXTENSION IS DESIGNED SUCH THAT IT IS INSTALLED PRIOR TO INSTALLATION OF DAM BOARDS, AND IT IS REMOVED AFTER REMOVAL OF DAM BOARDS.



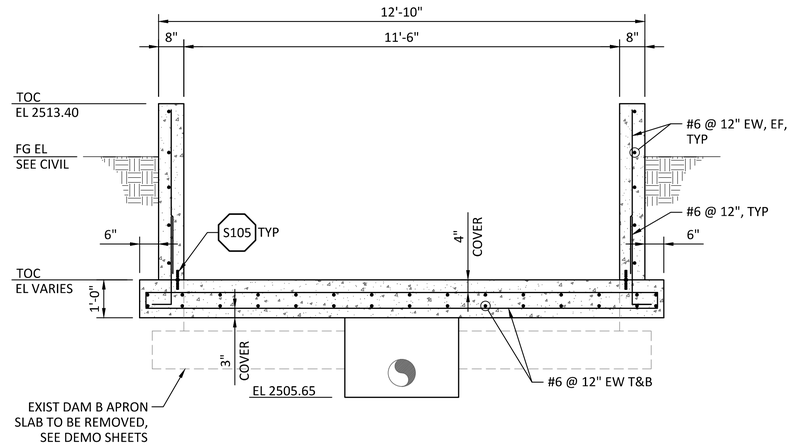
SECTION

SCALE: 1/2"= 1'-0" — C S210



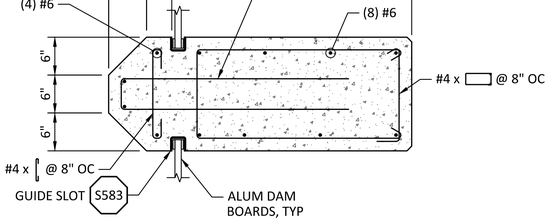
SECTION

SCALE: 1/2"= 1'-0" — D S210



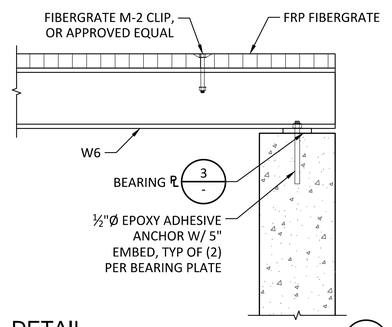
SECTION

SCALE: 1/2"= 1'-0" — E S210



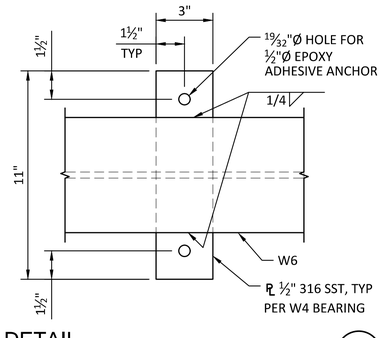
PIER - DETAIL

SCALE: 1"= 1'-0" — 1 S210



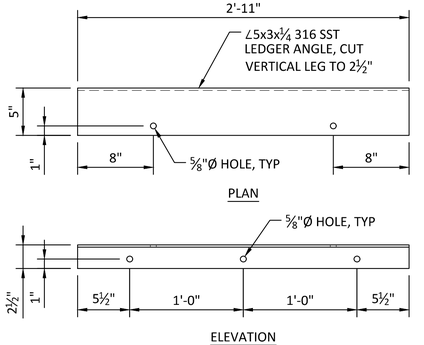
DETAIL

SCALE: 1 1/2"= 1'-0" — 2 -



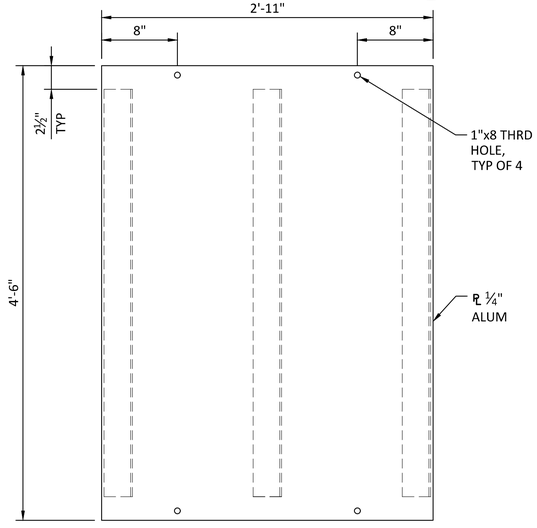
DETAIL

SCALE: 3"= 1'-0" — 3 -



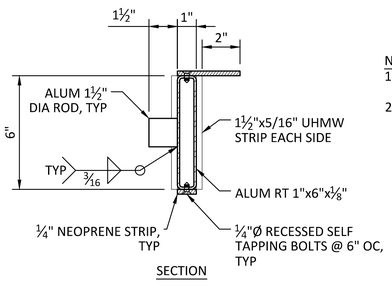
LEDGER ANGLE - DETAIL

SCALE: 1 1/2"= 1'-0" — 4 S210



NAPPE EXTENSION - DETAIL

SCALE: 1 1/2"= 1'-0" — 5 S211

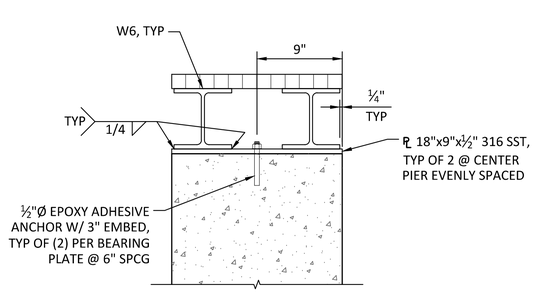


SECTION

NOTES:
1. LENGTH (L) PER LOCATION - SEE STD DETAIL S588 FOR DETAILS.
2. DAM BOARD LENGTH TO BE FIELD VERIFIED BEFORE FABRICATION.

DAM BOARD - DETAIL

SCALE: 3"= 1'-0" — 6 S211



DETAIL

SCALE: 1 1/2"= 1'-0" — 7 -

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

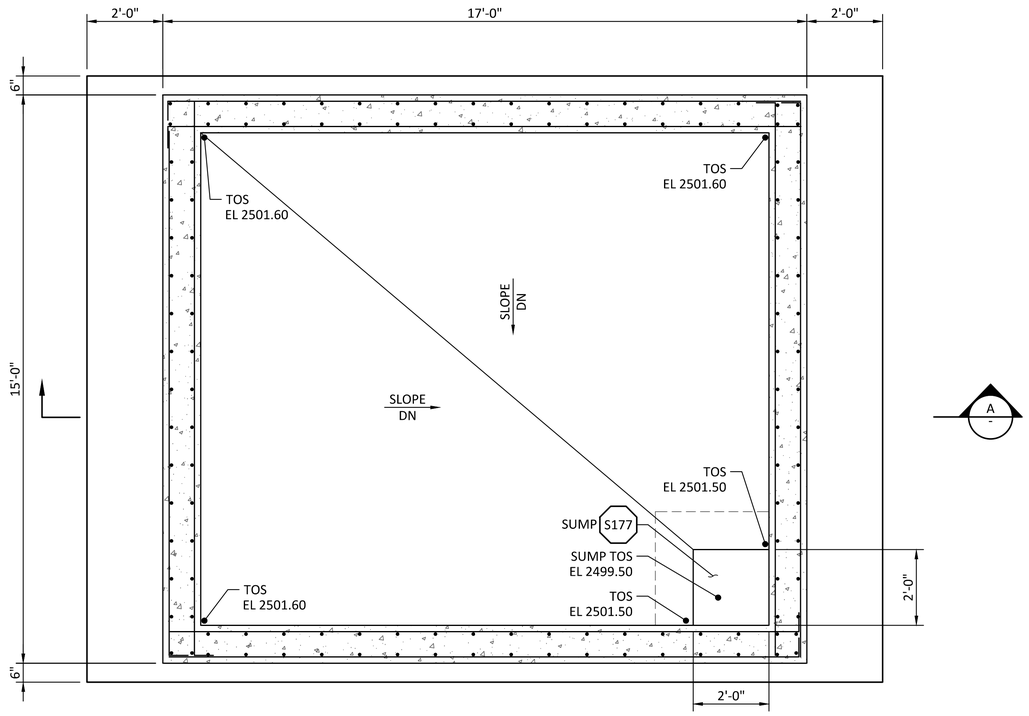
KLAMATH RIVER RENEWAL CORPORATION
FALL CREEK FISH HATCHERY
DAM B MODIFICATIONS
SECTIONS AND DETAILS

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

DRAWING
S212

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\S212.dwg Plot date: Oct 27, 2020 01:08pm, CAD User: Guerrero

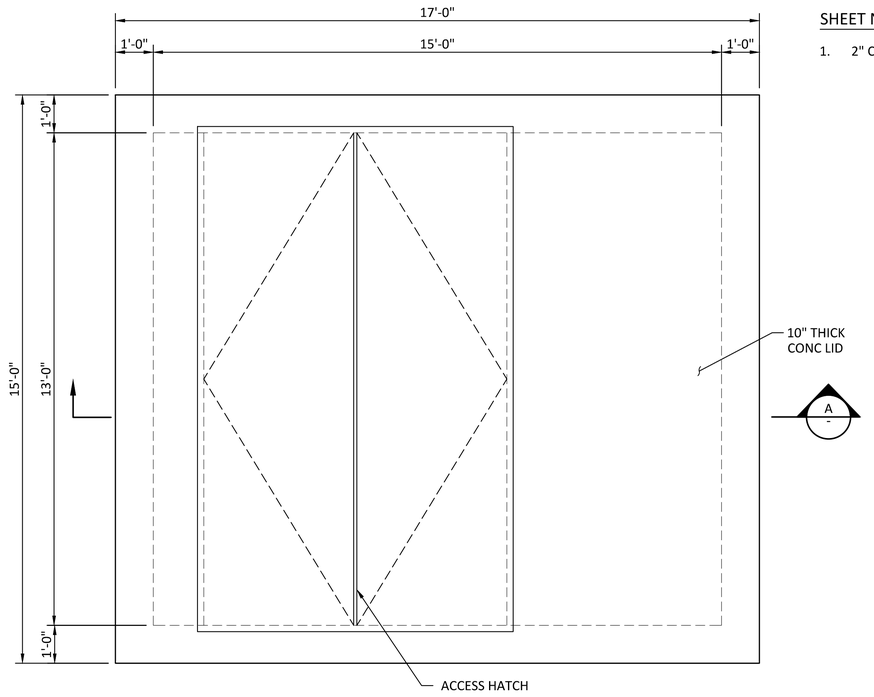


FOUNDATION PLAN

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

0' 2' 4'

1 S100



TOP PLAN

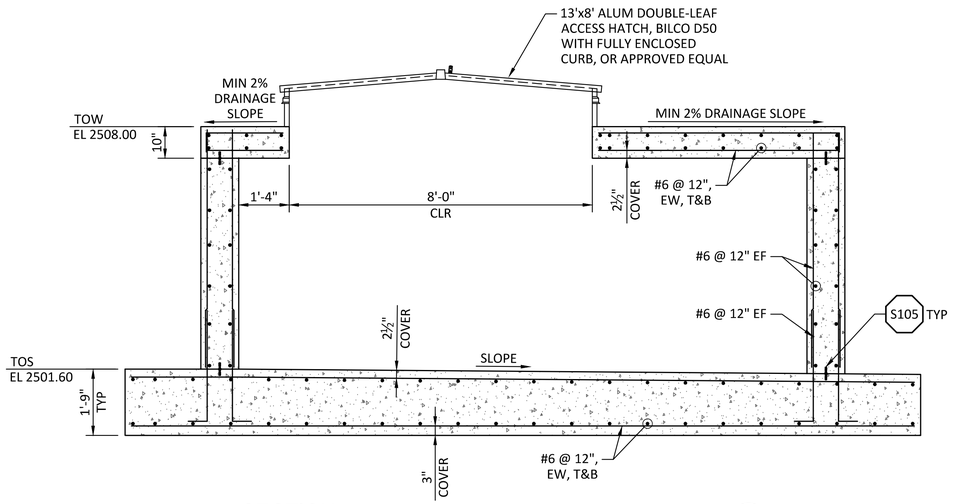
SCALE: 1/2"= 1'-0"

0' 2' 4'

1 S100

SHEET NOTES:

1. 2" COVER, TYP.



SECTION

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

0' 2' 4'

A
-

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

METER VAULT
PLANS AND SECTIONS

DESIGNED Z. AUTIN

DRAWN R. GUERRERO

CHECKED T. BOWEN

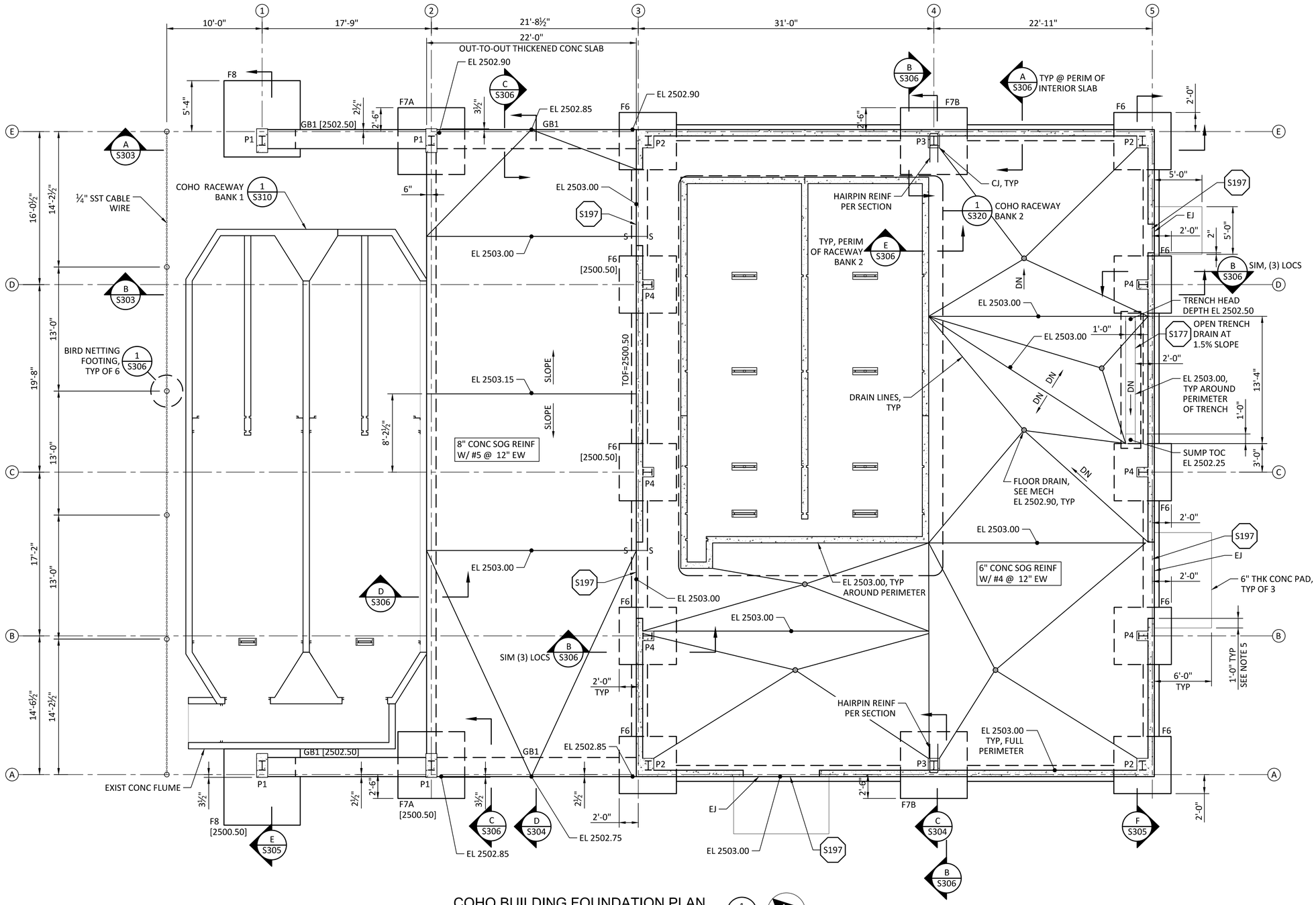
PROJECT DATE 10/28/20

DRAWING

S215

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\S215.dwg Plot date: Oct 27, 2020 01:08pm, CAD User: Guerrero



SHEET NOTES:

1. "FXX" INDICATES SPREAD FOOTING MARK. SEE CONCRETE SPREAD FOOTING SCHEDULE FOR SIZE AND REINFORCEMENT.
2. "PX" INDICATES PIER/PILASTER MARK. SEE CONCRETE PIER/PILASTER SCHEDULE FOR SIZE AND REINFORCEMENT.
3. "GBX" INDICATES CONCRETE GRADE BEAM MARK. SEE CONCRETE GRADE BEAM SCHEDULE FOR SIZE AND REINFORCEMENT.
4. [XXX.XX] INDICATES TOP OF FOOTING ELEVATION. TOP OF FOOTING ELEVATION FOR THE COHO BUILDING IS EL 2499.00 UNLESS NOTED OTHERWISE.
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.

COHO BUILDING FOUNDATION PLAN

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

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
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

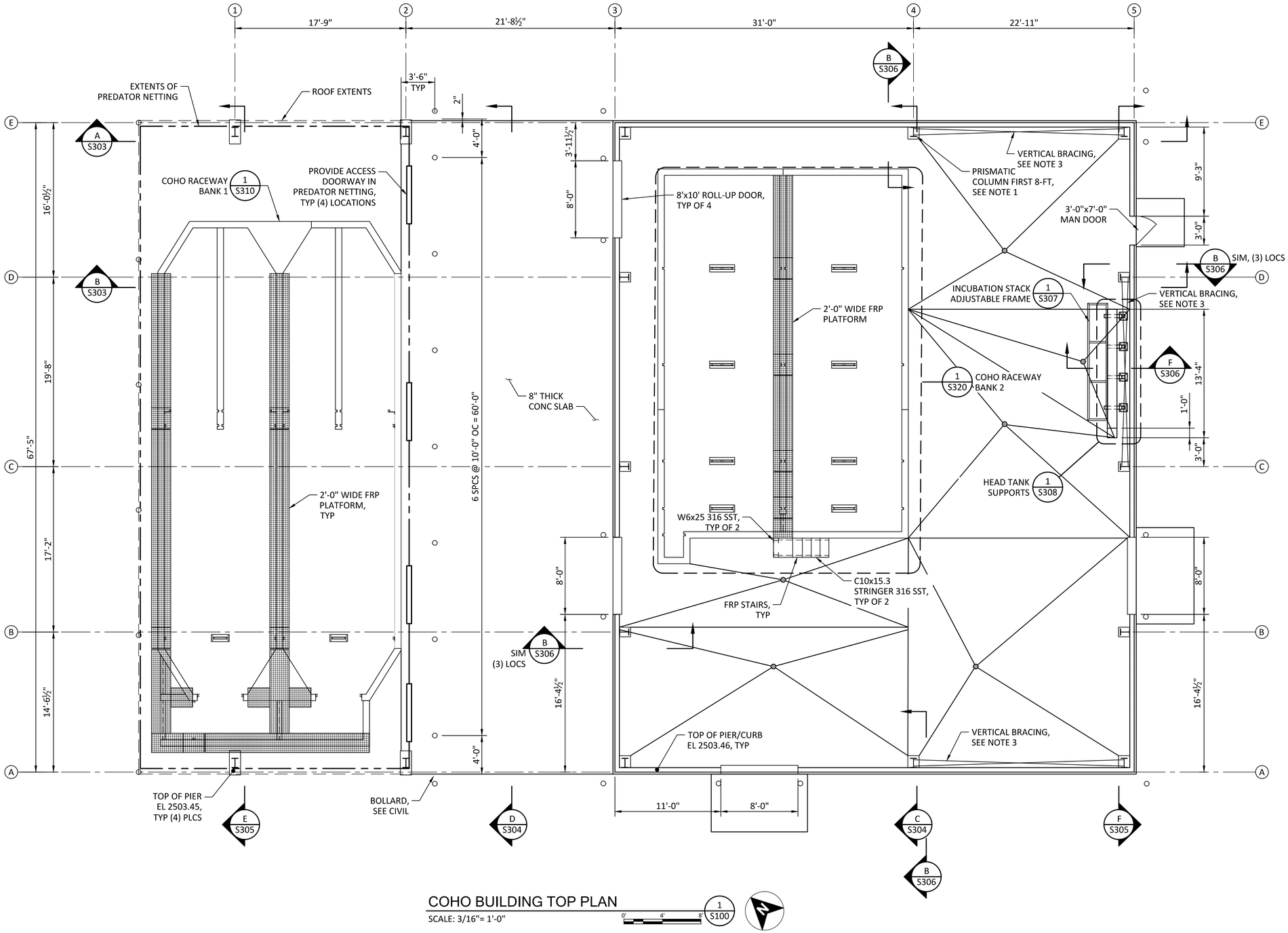
COHO BUILDING FOUNDATION PLAN

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

DRAWING S300

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\S300.dwg Plot date: Oct 27, 2020 01:08pm, CAD User: Guerrero



SHEET NOTES:

1. COLUMN 4E SHALL NOT BE TAPERED FOR FIRST 8-FT FROM FINISHED FLOOR.
2. GRIDLINE 3 SHALL NOT CONTAIN CROSS BRACING.
3. 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.

COHO BUILDING TOP PLAN

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

1 S100

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

REGISTERED PROFESSIONAL ENGINEER — TAYLOR M. BOWEN — No. C90694 — CIVIL — 10-27-2020 — 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

COHO BUILDING TOP PLAN

DESIGNED A. JABIR

DRAWN R. GUERRERO

CHECKED T. BOWEN

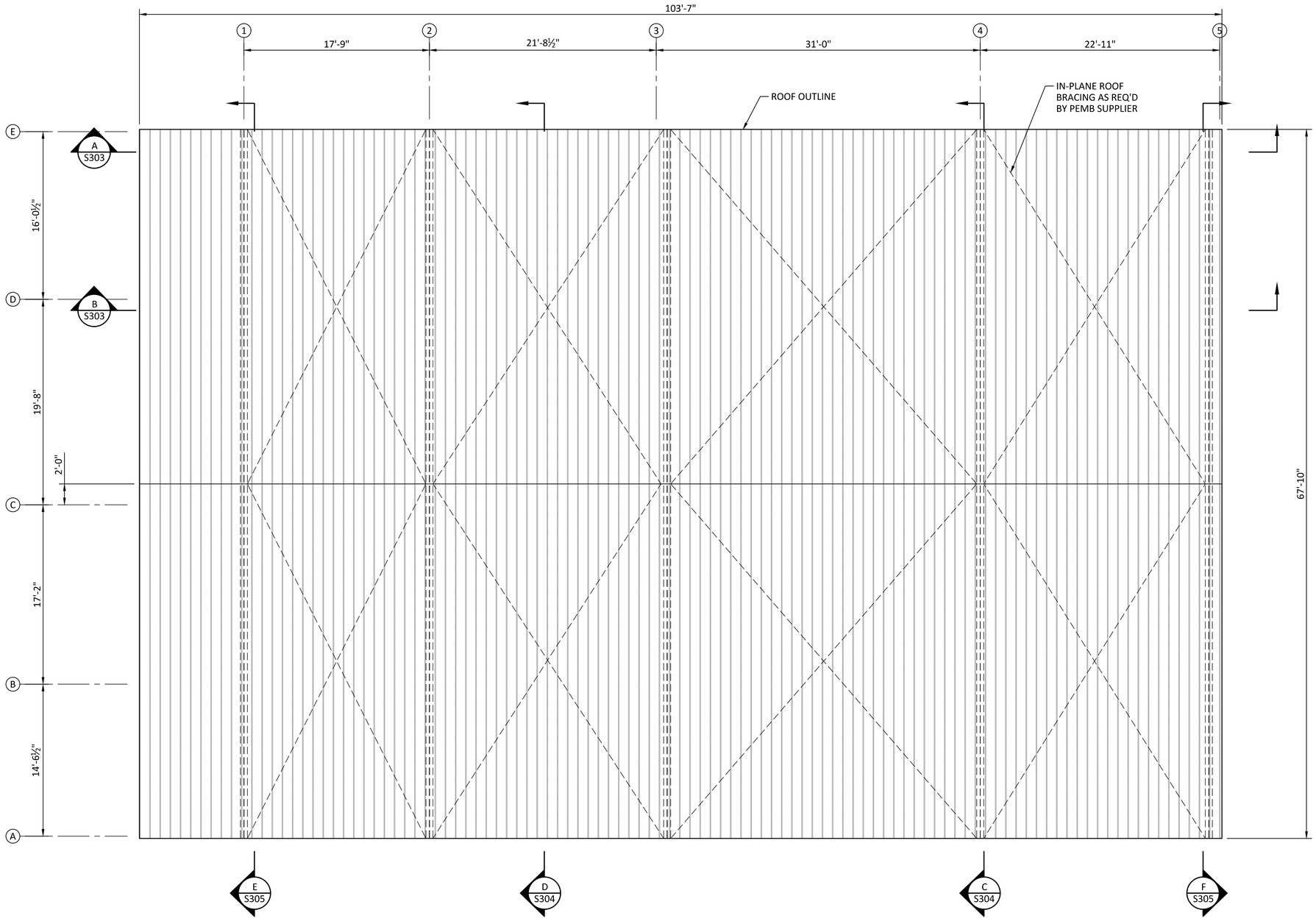
PROJECT DATE 10/28/20

DRAWING

S301

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\S301.dwg Plot date: Oct 27, 2020 01:09pm, CAD User: Guerrero



COHO BUILDING ROOF FRAMING PLAN

SCALE: 3/16"= 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
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

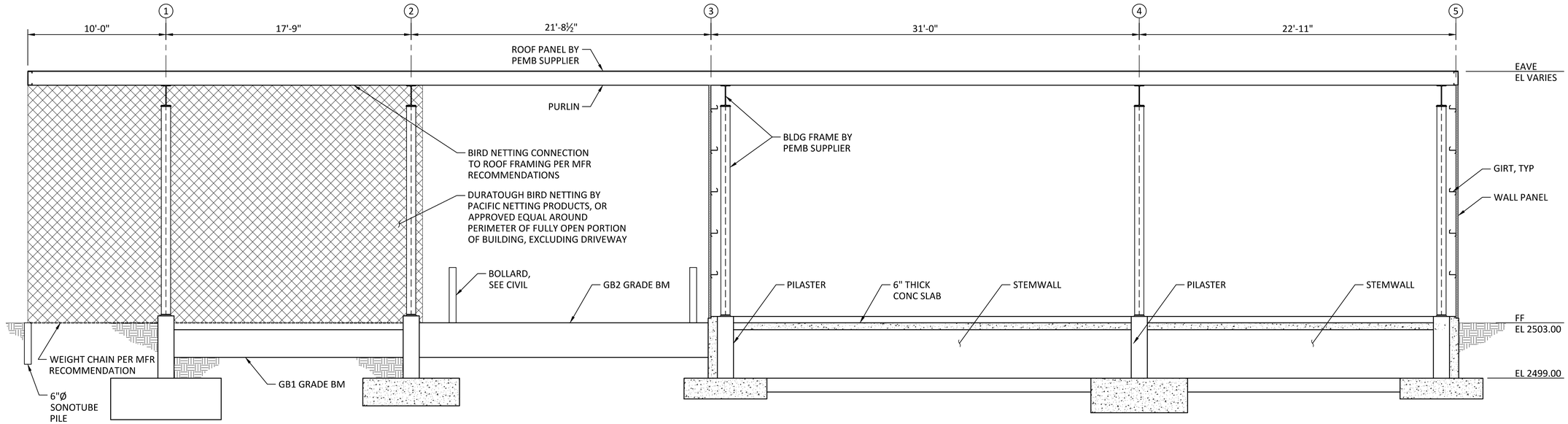
KLAMATH RIVER RENEWAL CORPORATION
FALL CREEK FISH HATCHERY
COHO BUILDING
ROOF FRAMING PLAN

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

DRAWING
S302

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\S302.dwg Plot date: Oct 27, 2020 01:09pm, CAD User: Guerrero

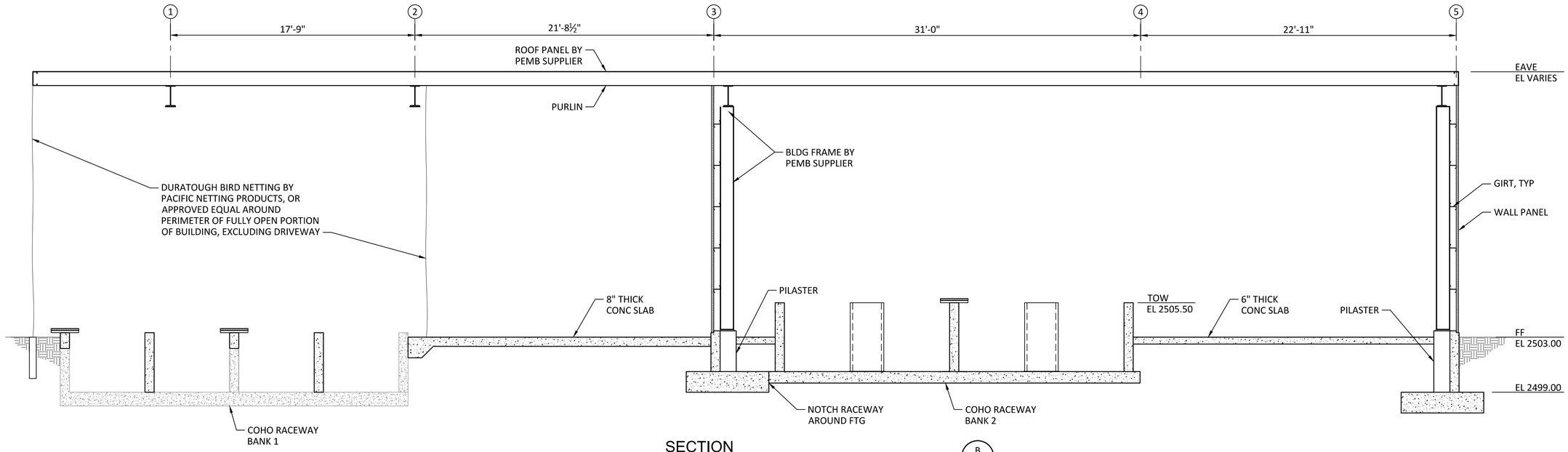


SECTION

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

0' 4' 8'

A S300



SECTION

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

0' 4' 8'

B S300

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

COHO BUILDING
SECTIONS 1

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

DRAWING

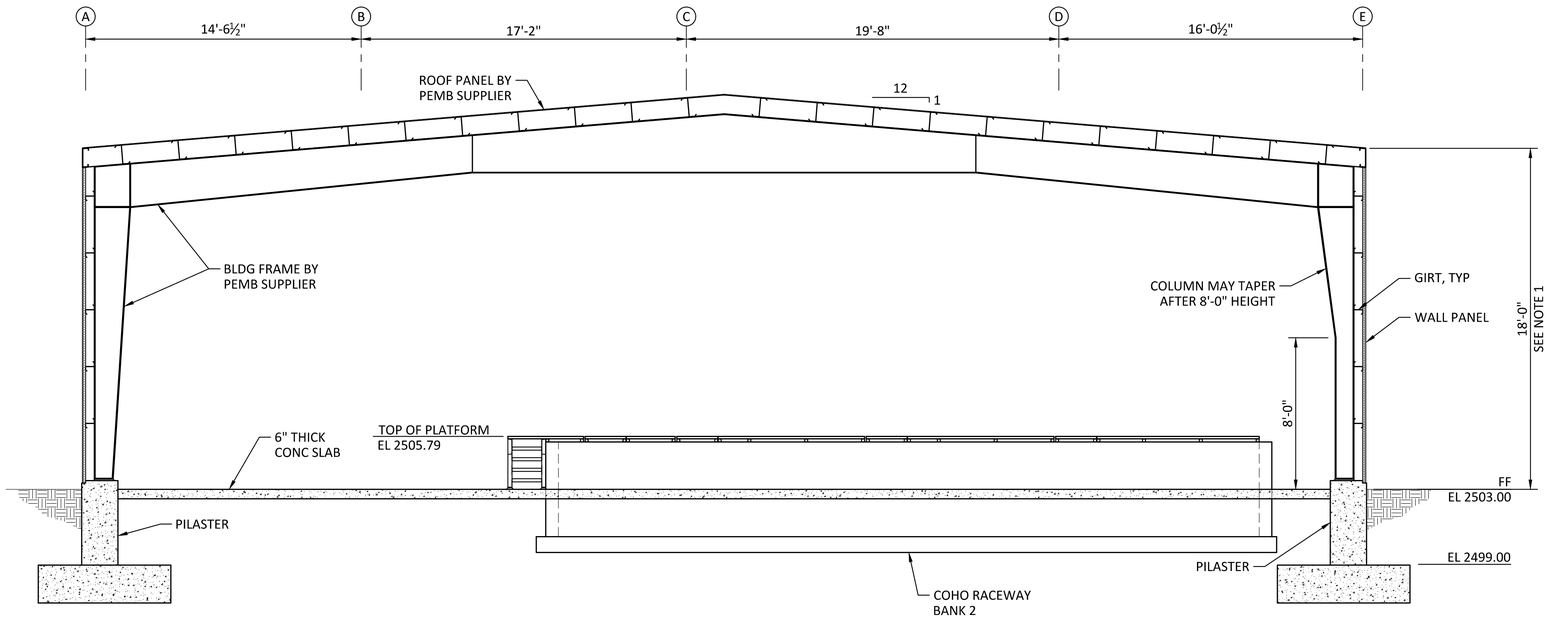
S303

JOB NO: 000000

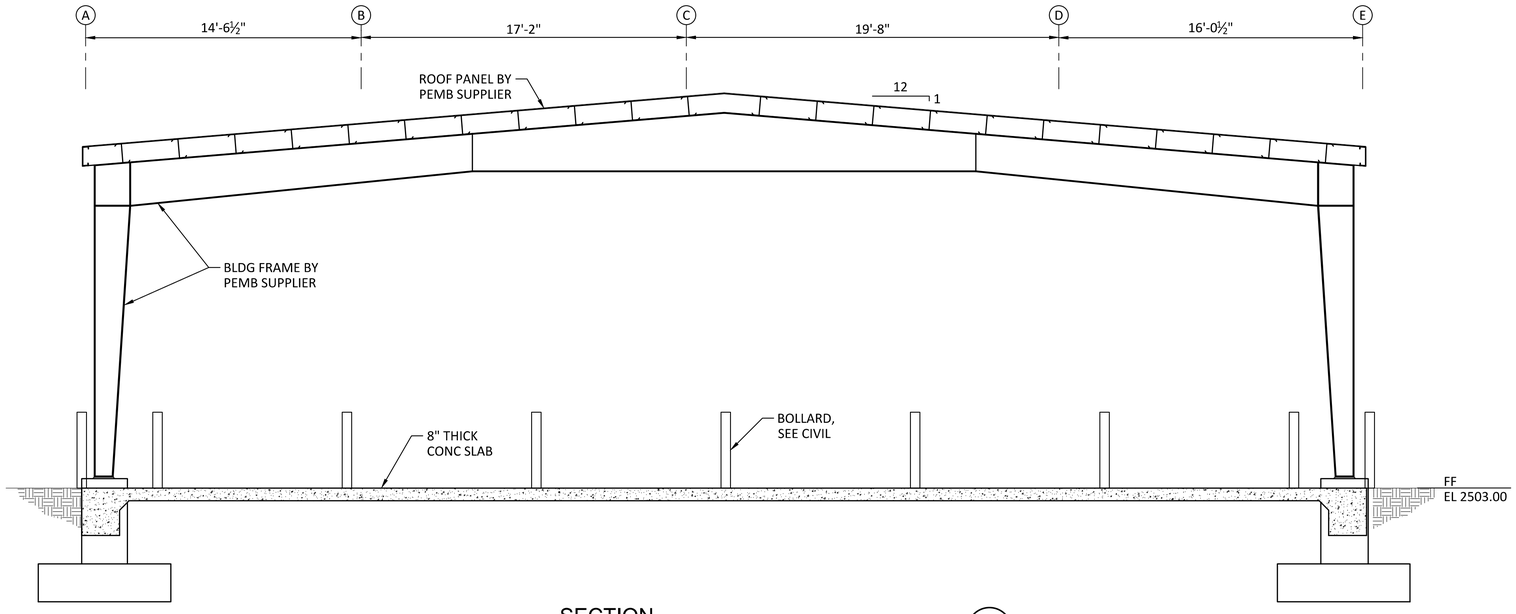
Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\S303.dwg Plot date: Oct 27, 2020 01:09pm, CAD User: Guerrero

SHEET NOTES:

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



SECTION
SCALE: 1/4"= 1'-0"
0' 4' 8'
C S300



SECTION
SCALE: 1/4"= 1'-0"
0' 4' 8'
D S300

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
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

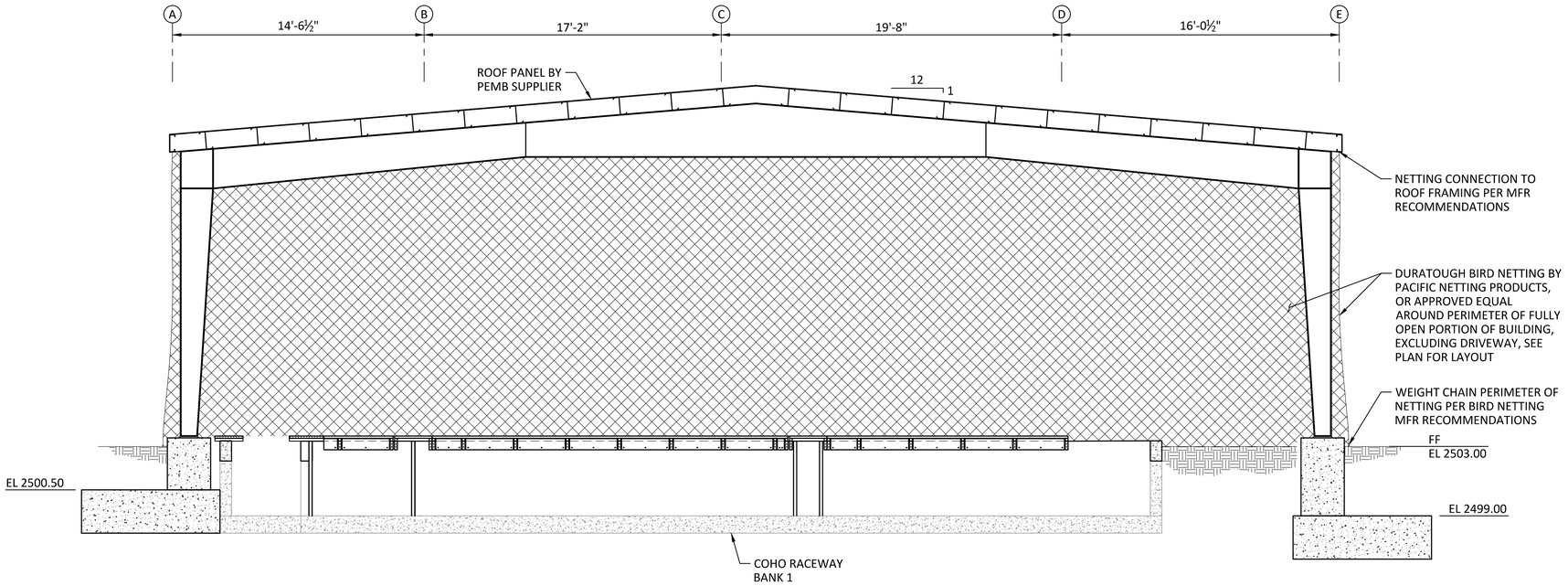
COHO BUILDING
SECTIONS 2

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

DRAWING
S304

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\S304.dwg Plot date: Oct 27, 2020 01:09pm, CAD User: Guerrero

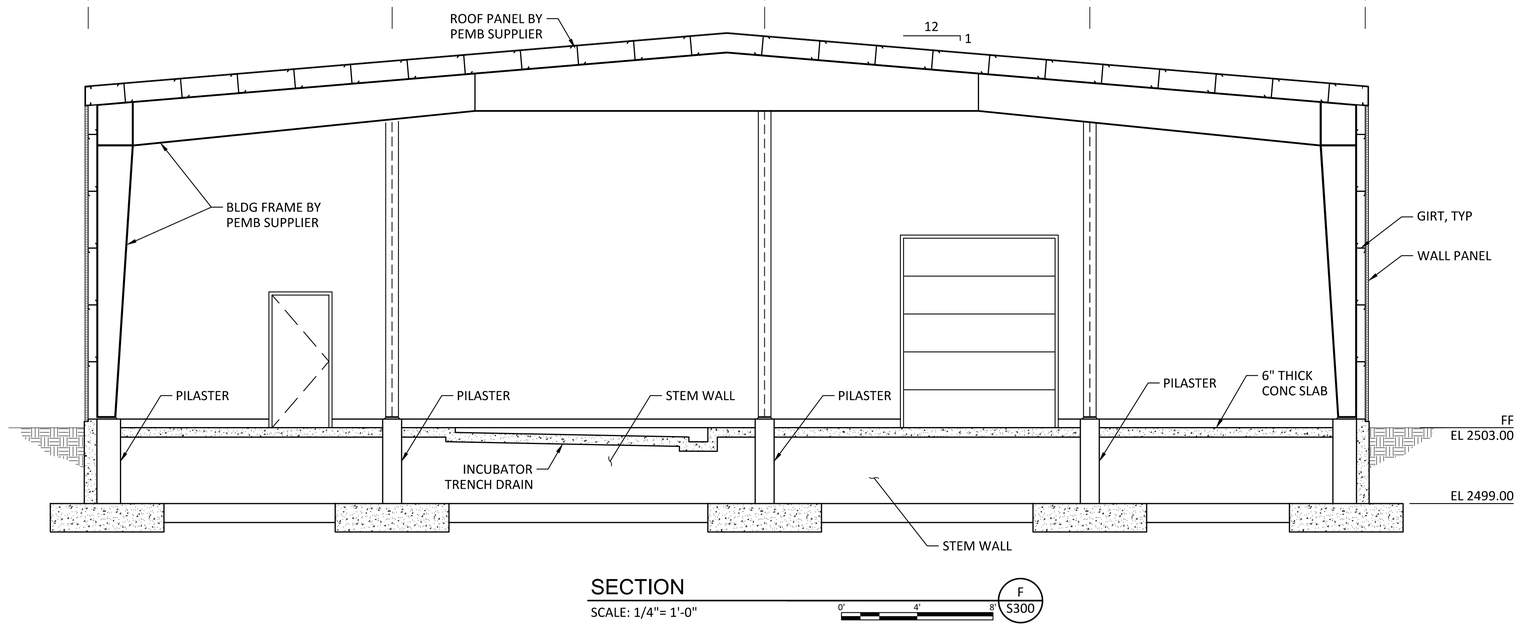


SECTION

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

0' 4' 8'

E / S300



SECTION

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

0' 4' 8'

F / S300

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

COHO BUILDING
SECTIONS 3

DESIGNED A. JABIR

DRAWN R. GUERRERO

CHECKED T. BOWEN

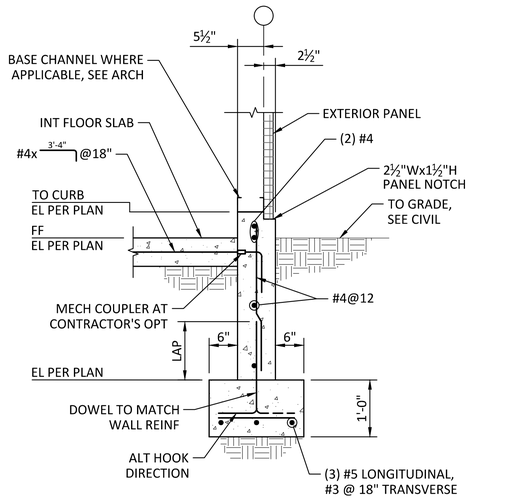
PROJECT DATE 10/28/20

DRAWING

S305

JOB NO: 000000

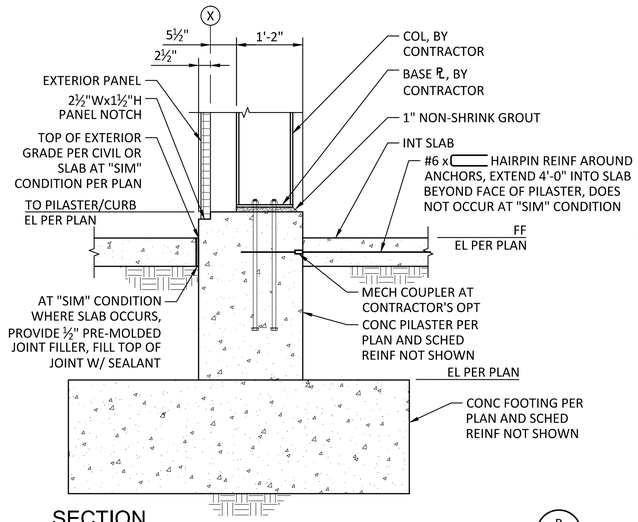
Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\S305.dwg Plot date: Oct 27, 2020 01:09pm, CAD User: Guerrero



SECTION

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

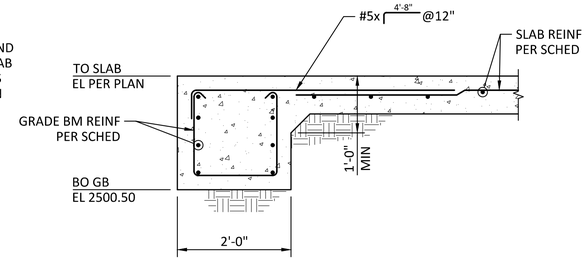
A S300



SECTION

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

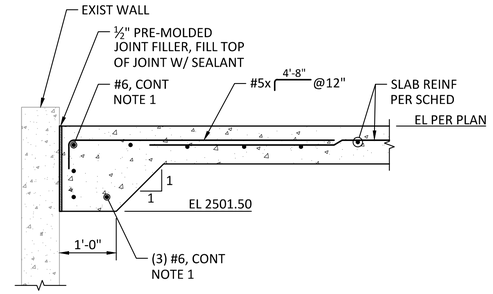
B S300



SECTION

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

C S300

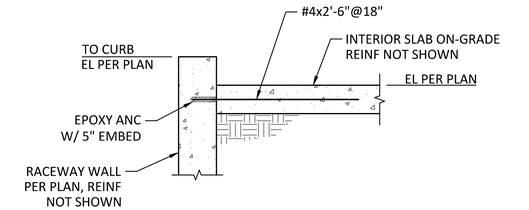


NOTES:
1. CONTINUOUS GRID A TO E, DEVELOP INTO COLUMN PIERS WITH STD HOOK.

SECTION

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

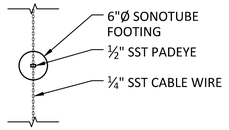
D S300



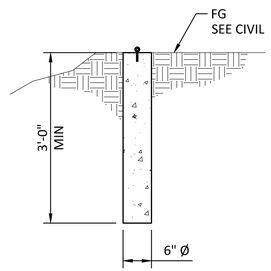
SECTION

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

E S300



PLAN

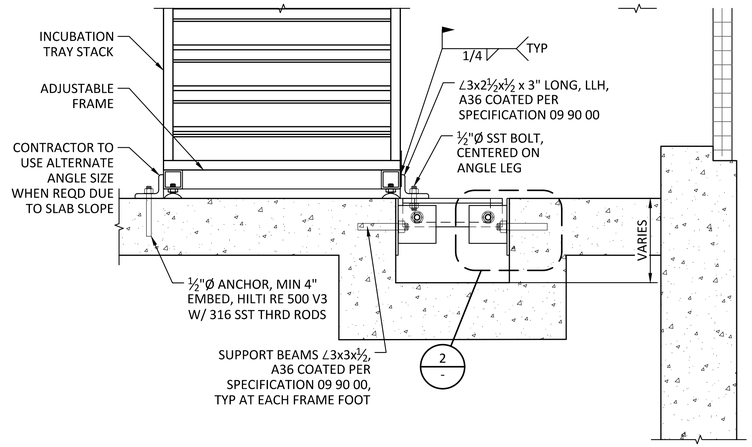


ELEVATION

BIRD NETTING FOOTING DETAIL

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

1 S300

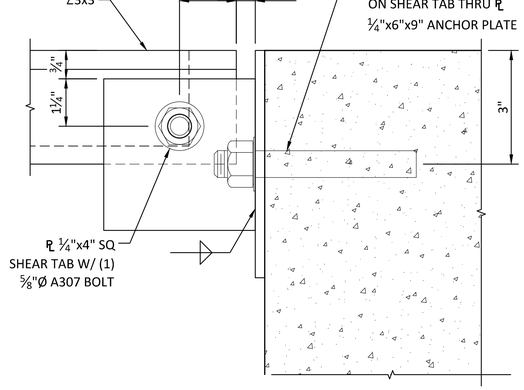


NOTES:
1. ∠3x3x½ TO BE FIELD WELDED TO HSS FRAME AFTER IT IS INSTALLED AND LEVELED.

SECTION

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

F S301



DETAIL

SCALE: 6"= 1'-0"

2 -

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

REGISTERED PROFESSIONAL ENGINEER — TAYLOR M. BOWEN — No. C90694 — 30 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

COHO BUILDING
SECTIONS AND DETAILS

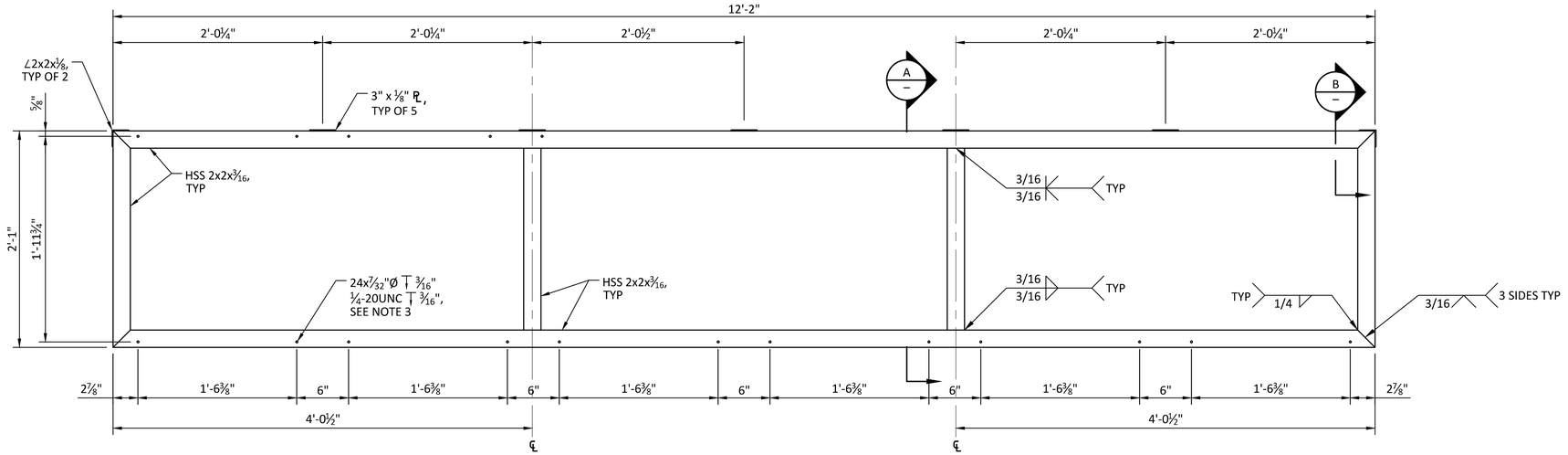
DESIGNED A. JABIR
DRAWN R. GUERRERO
CHECKED T. BOWEN
PROJECT DATE 10/28/20

DRAWING

S306

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\S306.dwg Plot date: Oct 27, 2020 01:09pm, CAD User: Guerrero

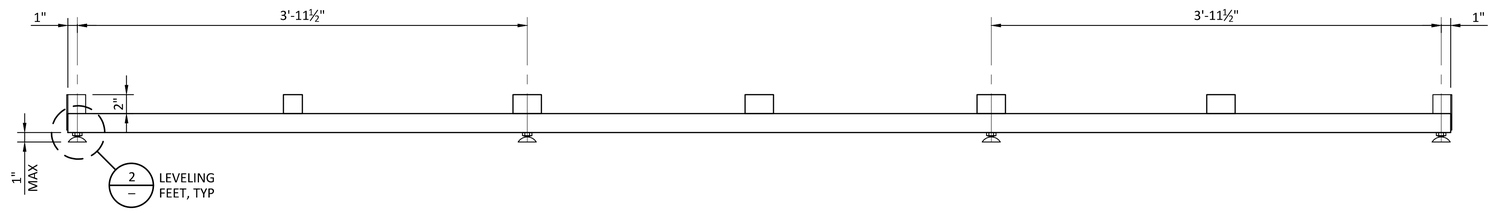


INCUBATION STACK ADJUSTABLE FRAME PLAN

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

0" 8" 16"

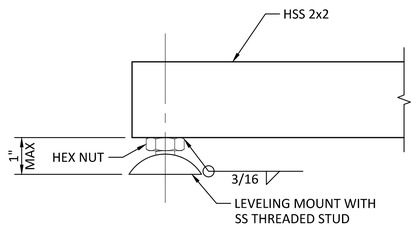
1 S301



INCUBATION STACK FRAME ELEVATION

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

0" 8" 16"

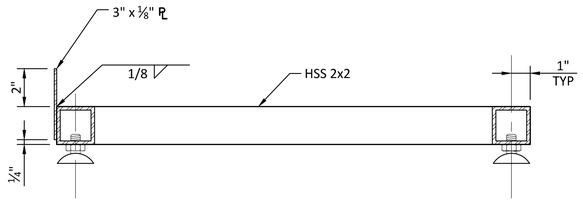


DETAIL

SCALE: 6"= 1'-0"

0" 2" 4"

2 -

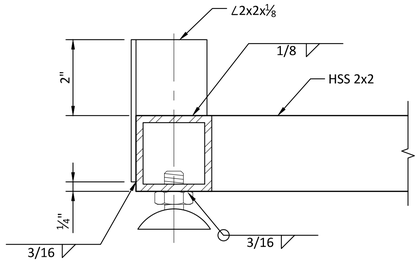


SECTION

SCALE: 3"= 1'-0"

0" 4" 8"

A -



SECTION

SCALE: 6"= 1'-0"

0" 2" 4"

B -

SHEET NOTES:

1. ALL HSS SHALL BE ASTM A500 GR B, COATED PER SECTION 09 99 00.
2. ALL PLATE AND ANGLES TO BE ASTM A36, COATED PER SECTION 09 90 00.
3. (6) 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.

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

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 STACK FRAME
SECTIONS AND DETAILS

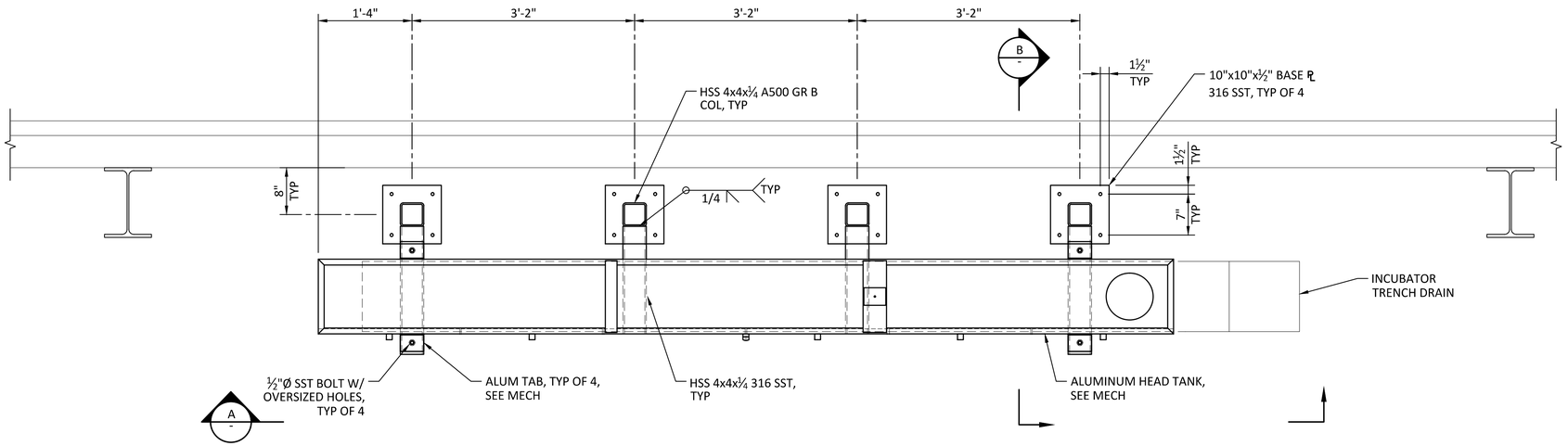
DESIGNED A. JABIR
DRAWN R. GUERRERO
CHECKED T. BOWEN
PROJECT DATE 10/28/20

DRAWING

S307

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\S307.dwg Plot date: Oct 27, 2020 01:09pm, CAD User: Guerrero

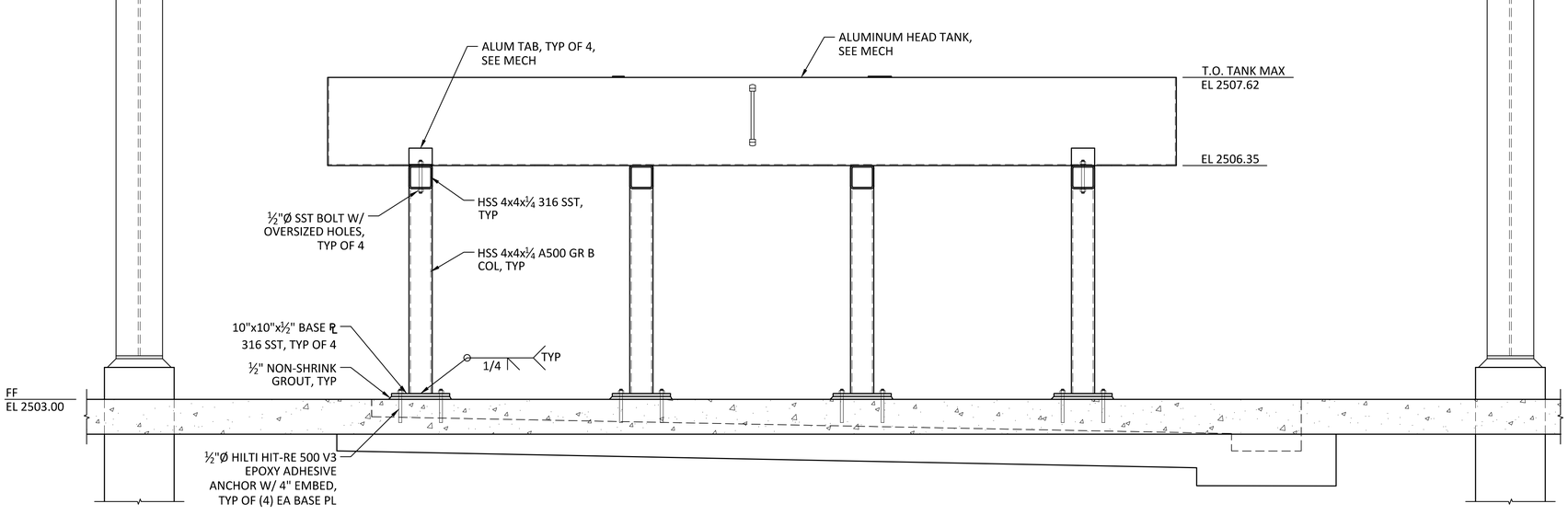


HEAD TANK SUPPORT PLAN

SCALE: 1"= 1'-0"

0' 1' 2'

1 S301

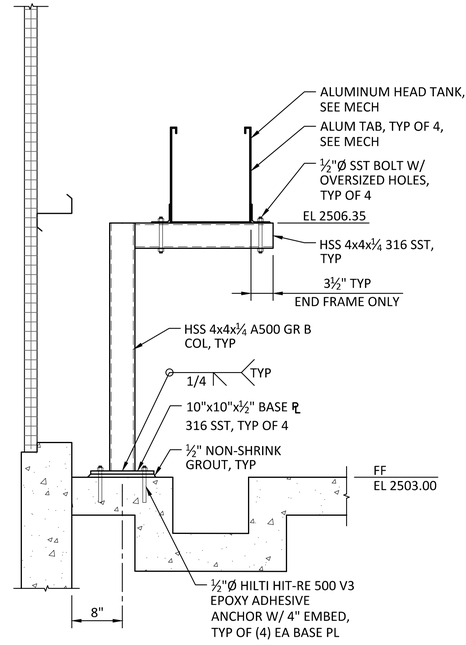


SECTION

SCALE: 1"= 1'-0"

0' 1' 2'

A -



SECTION

SCALE: 1"= 1'-0"

0' 1' 2'

B -

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

COHO BUILDING
HEAD TANK SUPPORT
PLAN AND SECTIONS

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

DRAWING

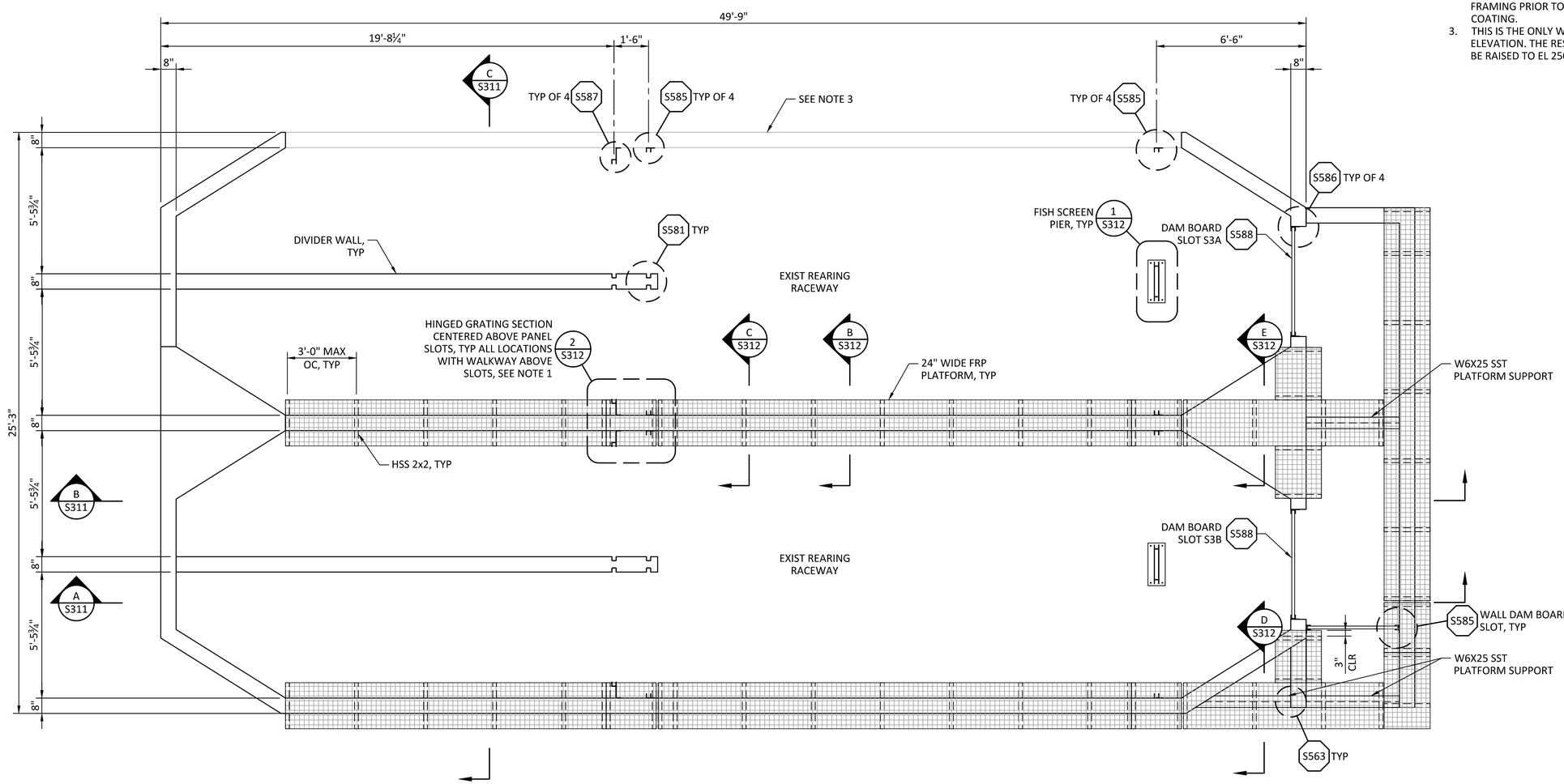
S308

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\S308.dwg Plot date: Oct 27, 2020 01:10pm, CAD User: Guerrero

SHEET NOTES:

1. THE GRATING SHALL BE PROVIDED WITH A HINGED SECTION AT EACH SCREEN GUIDE AND DAM BOARD LOCATION AS SHOWN. THE HINGED SECTION WHEN FULLY OPEN SHALL LAY FLAT AND ALLOW UNRESTRICTED REMOVAL AND INSTALLATION OF THE SCREEN PANELS AND DAM BOARDS IN THE SLOT.
2. REMOVE ALL EXISTING STEEL GUIDES AND WALKWAY FRAMING PRIOR TO CONCRETE REHABILITATION AND COATING.
3. THIS IS THE ONLY WALL THAT IS CURRENTLY AT FINAL ELEVATION. THE REST OF THE WALLS AT THIS POND WILL BE RAISED TO EL 2503.33 TO MATCH THIS WALL.



COHO RACEWAY BANK 1 RESTORATION PLAN

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

1 S301

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
COHO RACEWAY BANK 1 RESTORATION PLAN

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

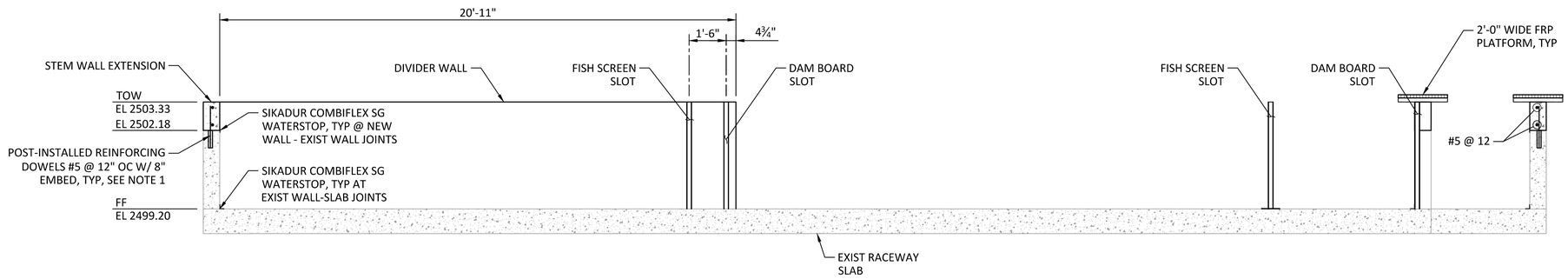
DRAWING
S310

JOB NO: 000000

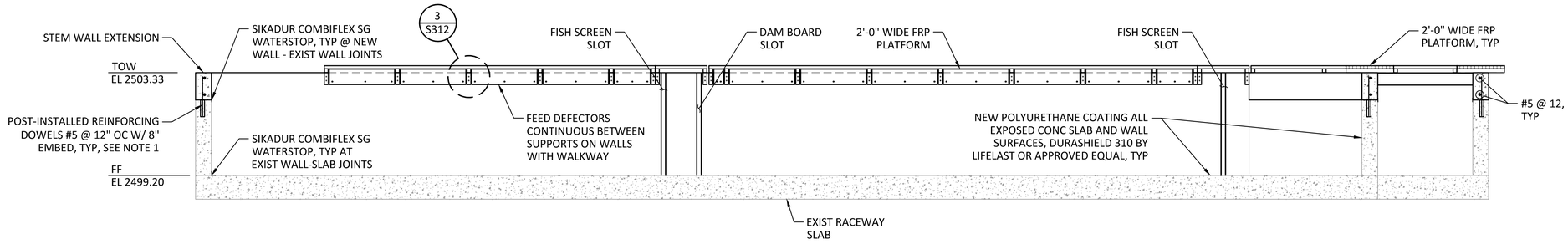
Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\S310.dwg Plot date: Oct 27, 2020 01:10pm, CAD User: Guerrero

SHEET NOTES:

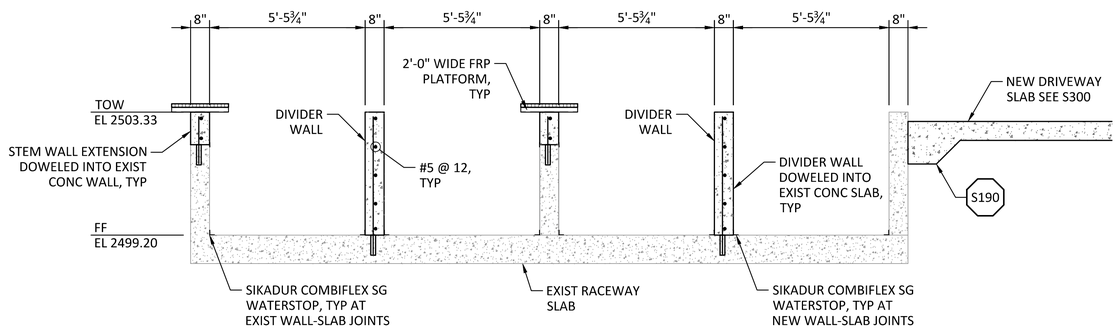
1. WHERE NOTED, POST-INSTALLED (EPOXY) REINFORCING STEEL DOWELS SHALL BE DISPLACED IF NEEDED TO AVOID DAMAGING EXISTING WALL REINFORCING. IN NO CASE SHALL THE FINAL BAR SPACING EXCEED 1.5 TIMES THE SPECIFIED SPACING.



SECTION
SCALE: 3/8"= 1'-0"
A S310



SECTION
SCALE: 3/8"= 1'-0"
B S310



SECTION
SCALE: 3/8"= 1'-0"
C S310

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

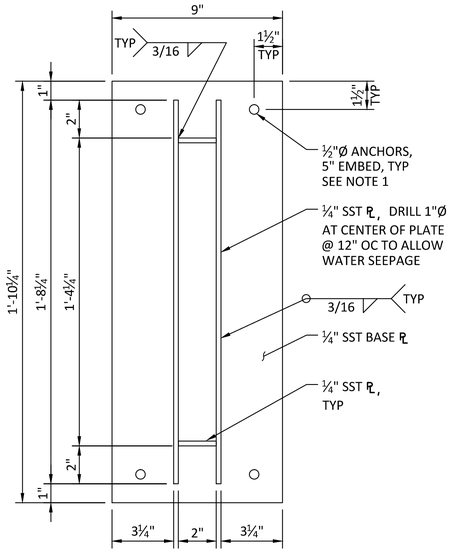
KLAMATH RIVER RENEWAL CORPORATION
FALL CREEK FISH HATCHERY
COHO RACEWAY BANK 1 RESTORATION
SECTIONS

DESIGNED S. ELLENSON
DRAWN R. GUERRERO
CHECKED K. DeSOMBER
PROJECT DATE 10/28/20

DRAWING
S311

JOB NO: 000000

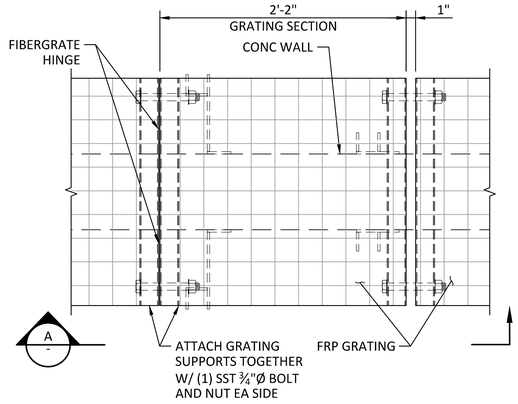
Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\S311.dwg Plot date: Oct 27, 2020 01:10pm, CAD User: Guerrero



NOTES:
316 SST MAY BE SUBSTITUTED WITH EXTRUDED OR BUILT UP ALUMINUM (COATED PER SPECIFICATIONS) AT CONTRACTOR'S DISCRETION.

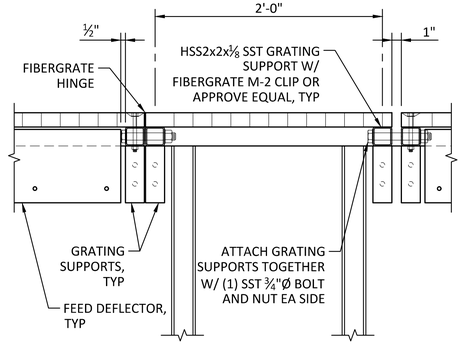
FISH SCREEN PIER

SCALE: 3"= 1'-0" (1 / S310)



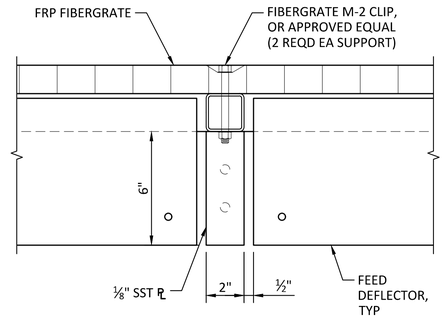
HINGED GRATING @ SCREEN GUIDES

SCALE: 1 1/2"= 1'-0" (2 / S310)



HINGED GRATING SECTION

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

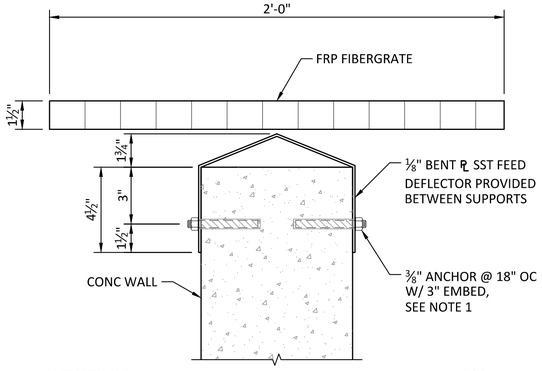


DETAIL

SCALE: 3"= 1'-0" (3 / S311)

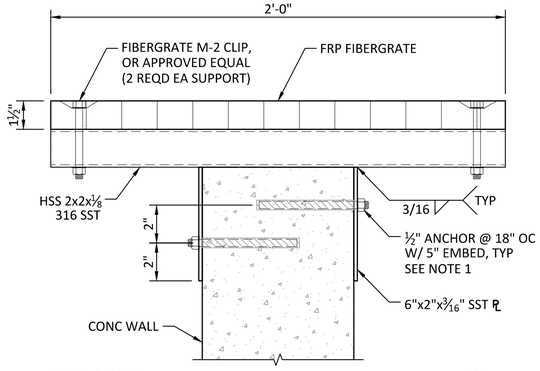
SHEET NOTES:

1. ALL ANCHORS SHALL BE HILTI HIT-RE 500 V3 W/ 316 SST THRD RODS.



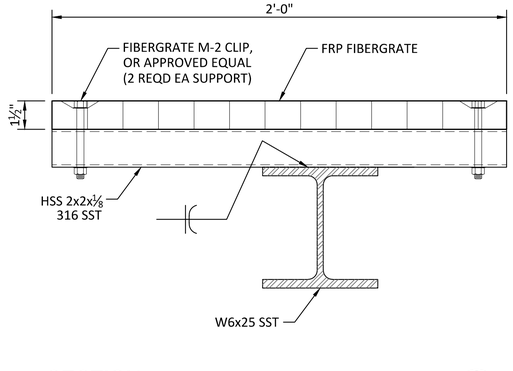
SECTION

SCALE: 3"= 1'-0" (B / S310)



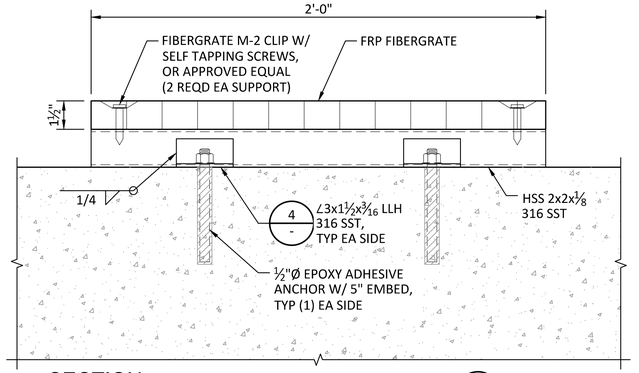
SECTION

SCALE: 3"= 1'-0" (C / S310)



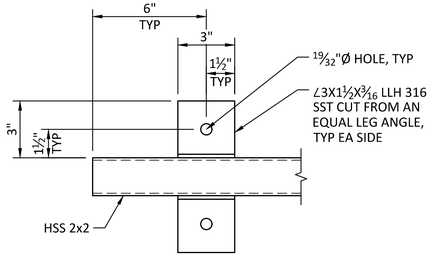
SECTION

SCALE: 3"= 1'-0" (D / S310)



SECTION

SCALE: 3"= 1'-0" (E / S310)



DETAIL

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

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
COHO RACEWAY BANK 1 RESTORATION
SECTIONS AND DETAILS

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

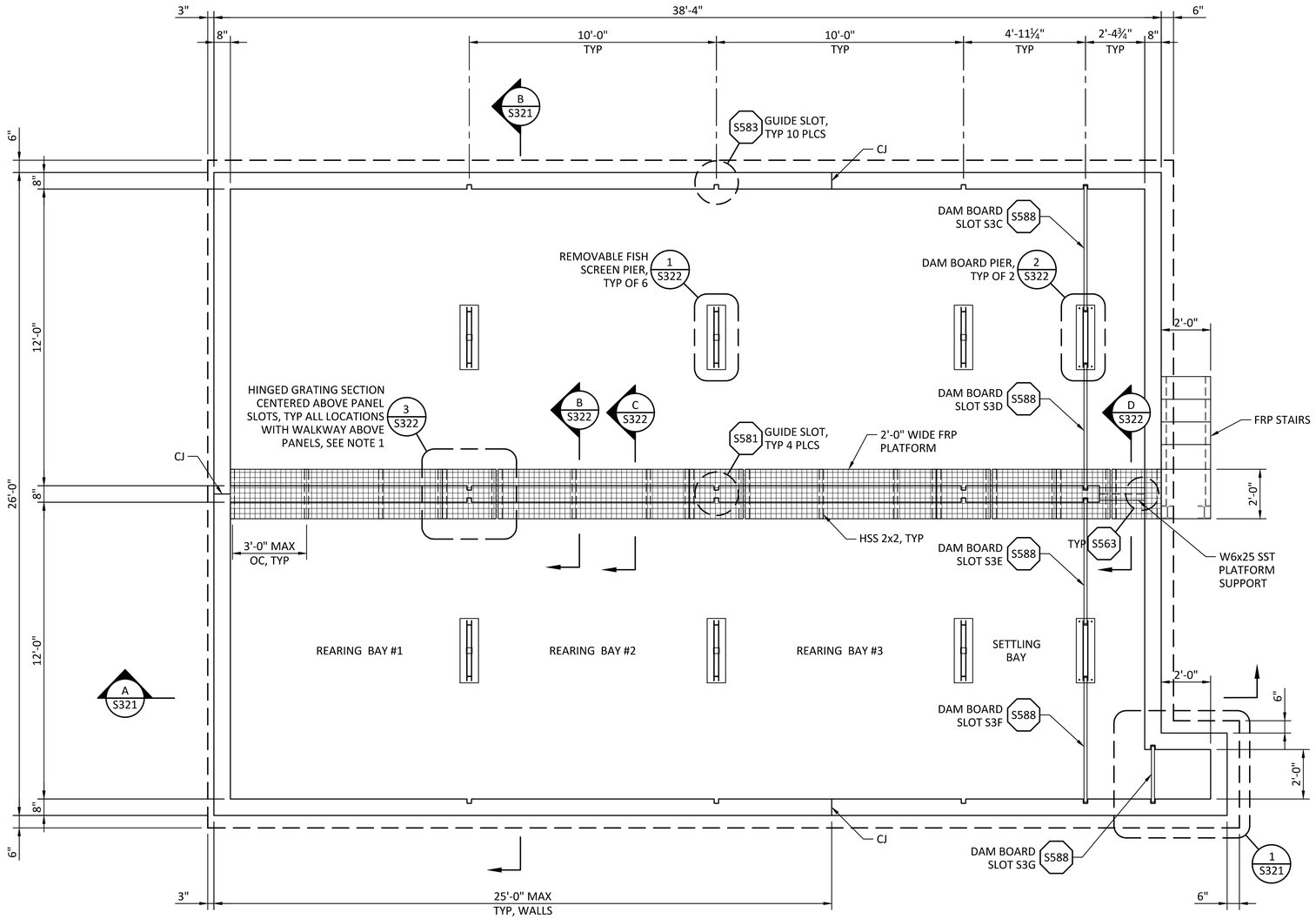
DRAWING
S312

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\S312.dwg Plot date: Oct 27, 2020 01:10pm, CAD User: Guerrero

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.



COHO RACEWAY BANK 2 PLAN

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

0' 2' 4'

1 S301

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

COHO RACEWAY BANK 2
PLAN

DESIGNED Z. AUTIN

DRAWN R. GUERRERO

CHECKED T. BOWEN

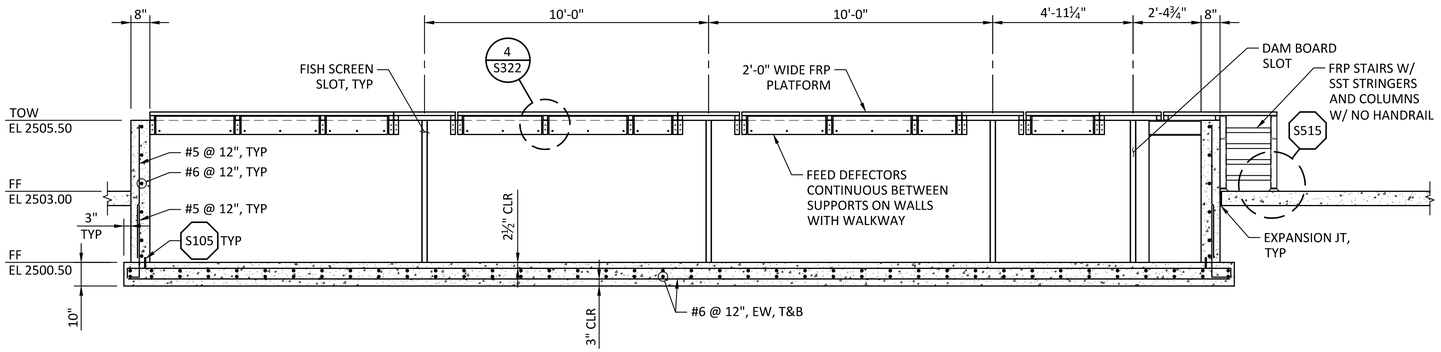
PROJECT DATE 10/28/20

DRAWING

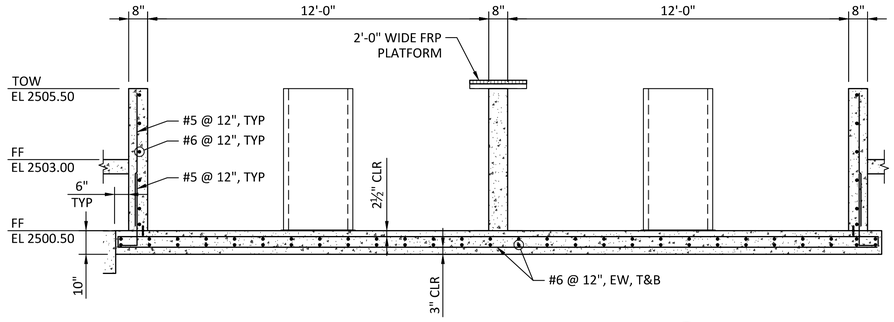
S320

JOB NO: 000000

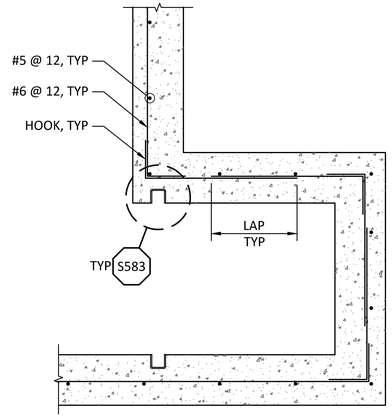
Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\S320.dwg Plot date: Oct 27, 2020 01:10pm, CAD User: Guerrero



SECTION
SCALE: 3/8"= 1'-0"
A S320



SECTION
SCALE: 3/8"= 1'-0"
B S320



SECTION
SCALE: 1"= 1'-0"
1 S320

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

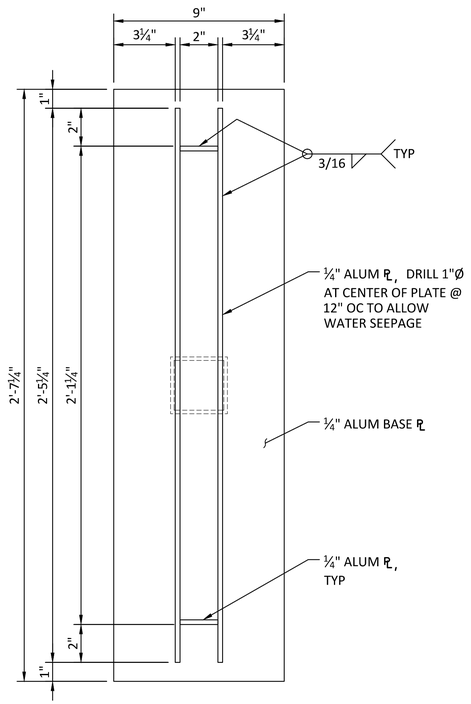
KLAMATH RIVER RENEWAL CORPORATION
FALL CREEK FISH HATCHERY
COHO RACEWAY BANK 2
SECTIONS AND DETAILS 1

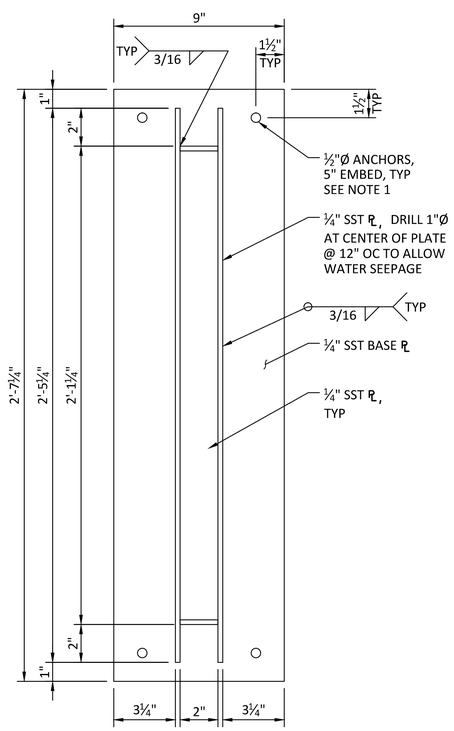
DESIGNED Z. AUTIN
DRAWN R. GUERRERO
CHECKED T. BOWEN
PROJECT DATE 10/28/20

DRAWING
S321

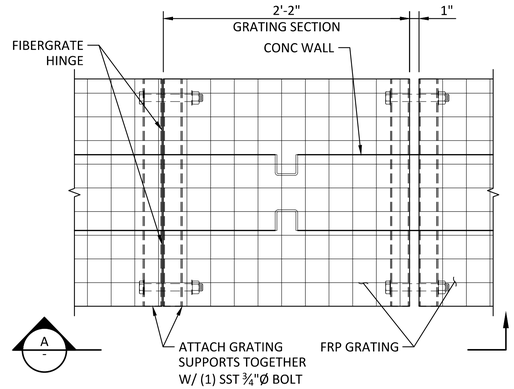
JOB NO: 000000

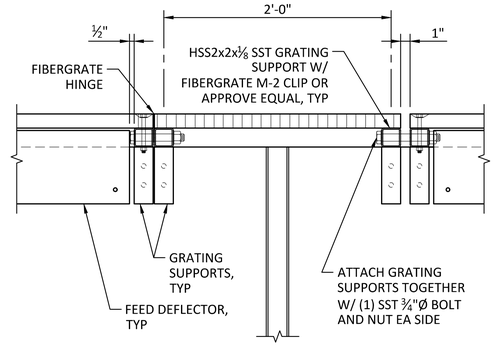
Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\S321.dwg Plot date: Oct 27, 2020 01:10pm, CAD User: Guerrero





NOTES:
316 SST MAY BE SUBSTITUTED WITH EXTRUDED OR BUILT UP ALUMINUM (COATED PER SPECIFICATIONS) AT CONTRACTOR'S DISCRETION.





SHEET NOTES:

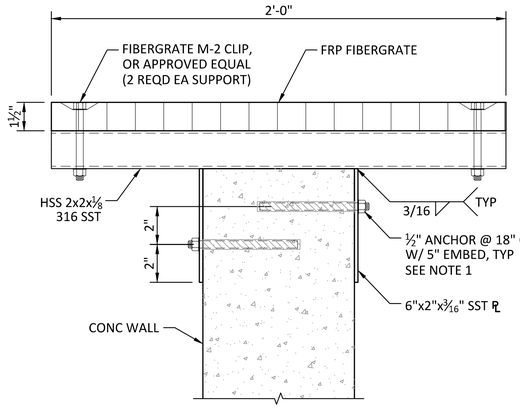
1. ALL ANCHORS SHALL BE HILTI HAS-R 304 SST W/ HILTI HIT-500 V3 EPOXY.

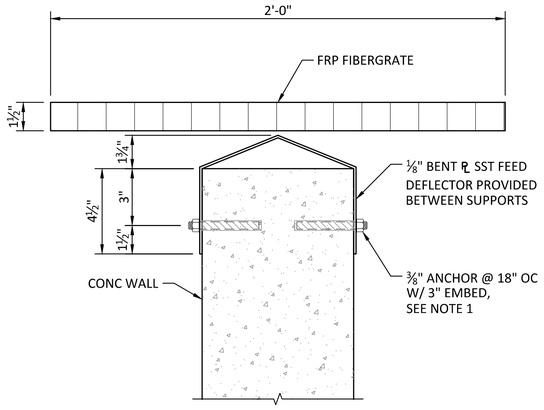
FISH SCREEN PIER — SCALE: 3"= 1'-0" — 1 S320

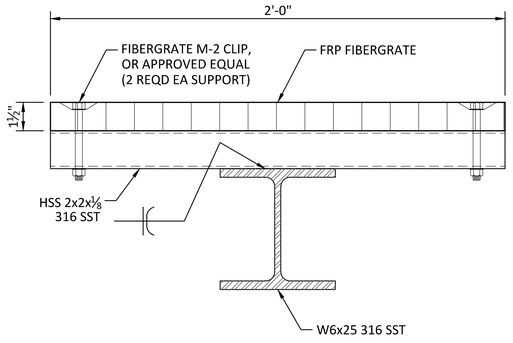
DAM BOARD PIER — SCALE: 3"= 1'-0" — 2 S320

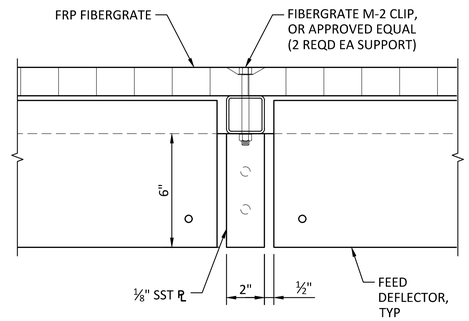
HINGED GRATING @ SCREEN GUIDES — SCALE: 1 1/2"= 1'-0" — 3 S320

HINGED GRATING SECTION — SCALE: 1 1/2"= 1'-0" — A -









SECTION — SCALE: 3"= 1'-0" — B S320

SECTION — SCALE: 3"= 1'-0" — C S320

SECTION — SCALE: 3"= 1'-0" — D S320

DETAIL — SCALE: 3"= 1'-0" — 4 S321

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

McMILLEN JACOBS ASSOCIATES

KLAMATH RIVER RENEWAL CORPORATION

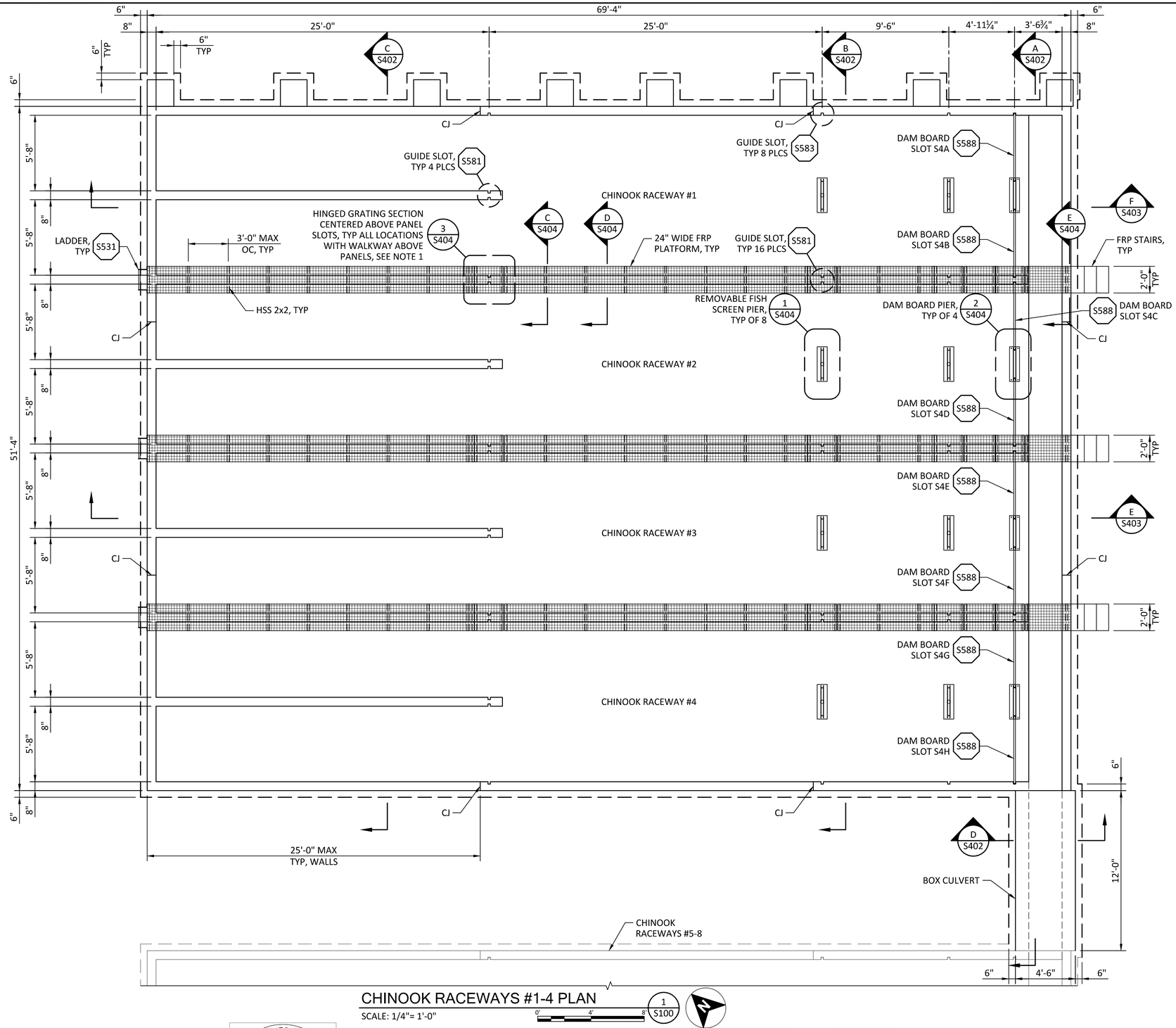
KLAMATH RIVER RENEWAL CORPORATION
FALL CREEK FISH HATCHERY
COHO RACEWAY BANK 2
SECTIONS AND DETAILS 2

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

DRAWING
S322

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\S322.dwg Plot date: Oct 27, 2020 01:10pm, CAD User: Guerrero



CHINOOK RACEWAYS #1-4 PLAN

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

1 S100

SHEET NOTES:

1. THE GRATING SHALL BE PROVIDED WITH A HINGE SECTION 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.

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

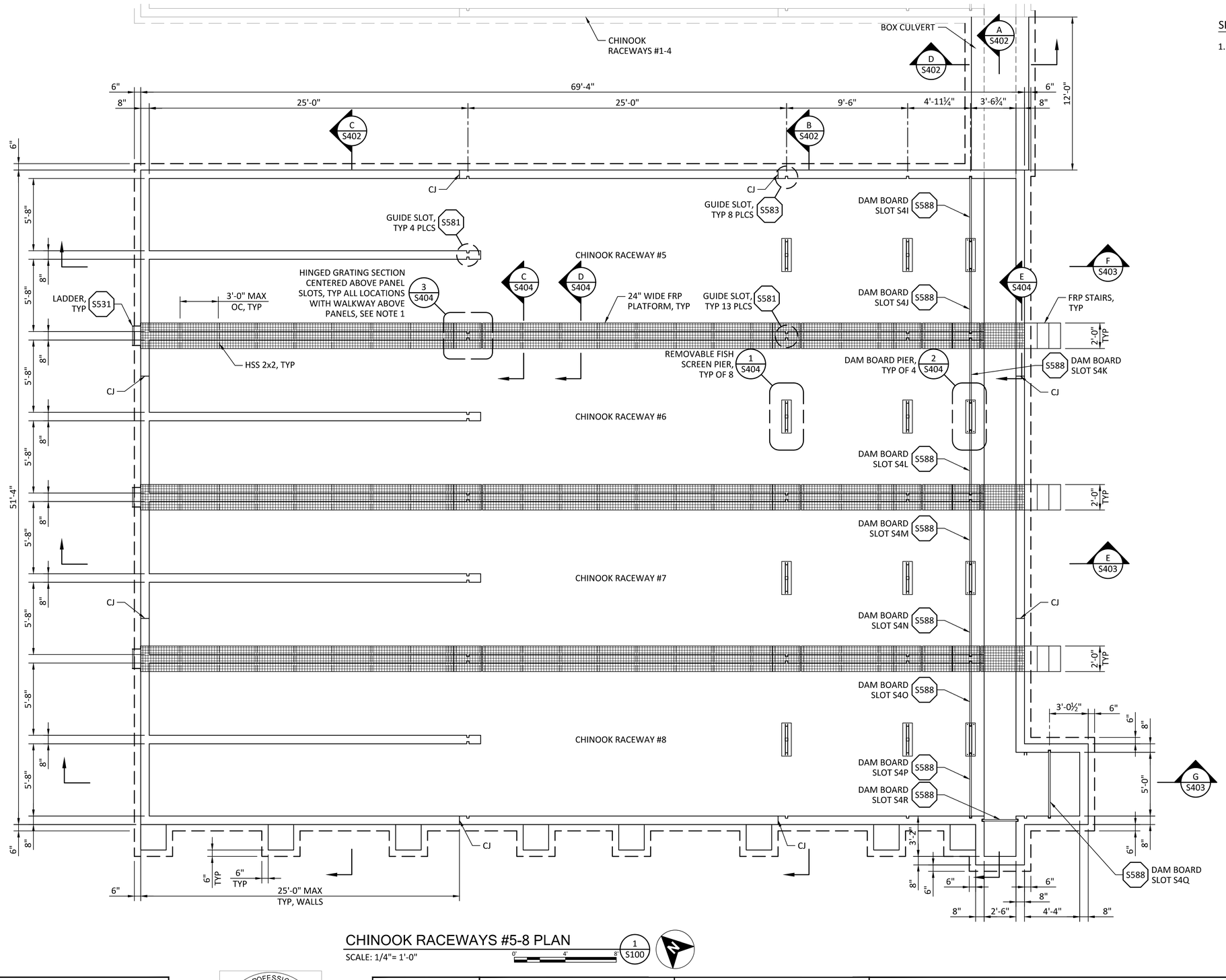
KLAMATH RIVER RENEWAL CORPORATION
FALL CREEK FISH HATCHERY
CHINOOK RACEWAYS #1-4 PLAN

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

DRAWING
S400

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\S400.dwg Plot date: Oct 27, 2020 01:11pm, CAD User: Guerrero



SHEET NOTES:

1. THE GRATING SHALL BE PROVIDED WITH A HINGE SECTION 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.

CHINOOK RACEWAYS #5-8 PLAN

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

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

McMILLEN JACOBS ASSOCIATES

KLAMATH RIVER RENEWAL CORPORATION

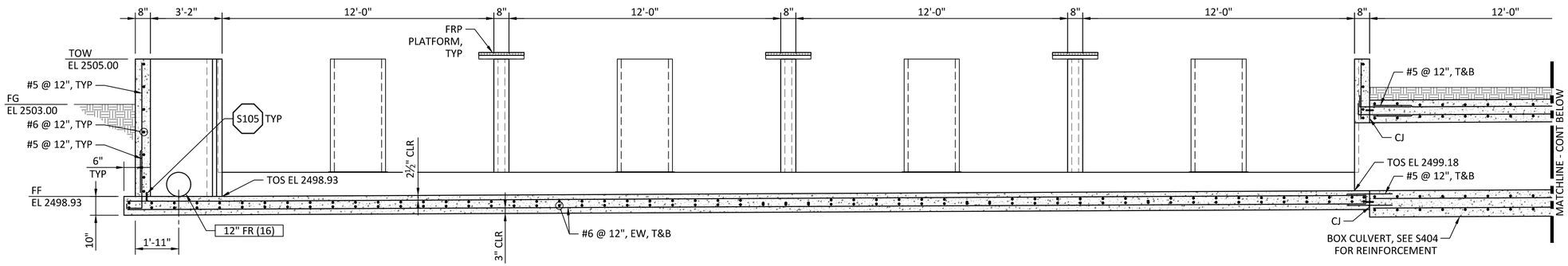
KLAMATH RIVER RENEWAL CORPORATION
FALL CREEK FISH HATCHERY
CHINOOK RACEWAYS #5-8 PLAN

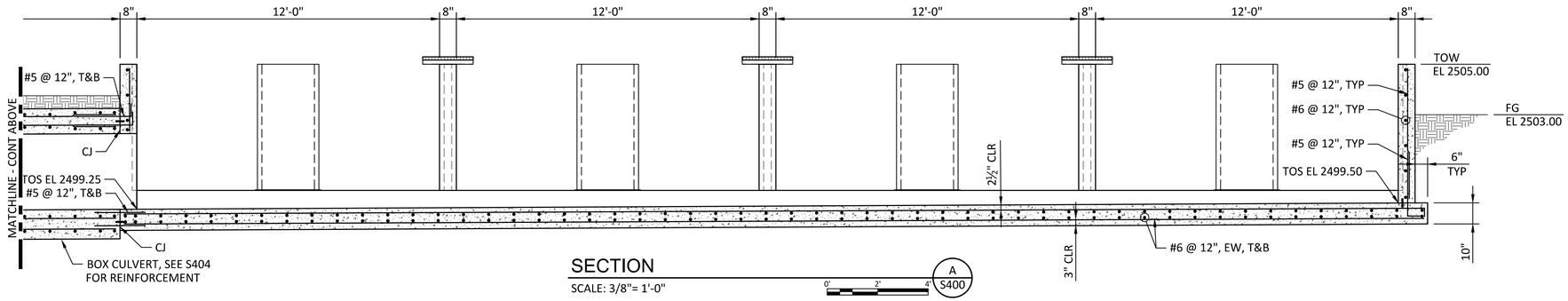
DESIGNED Z. AUTIN
DRAWN R. GUERRERO
CHECKED T. BOWEN
PROJECT DATE 10/28/20

DRAWING
S401

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\S401.dwg Plot date: Oct 27, 2020 01:49pm, CAD User: Guerrero

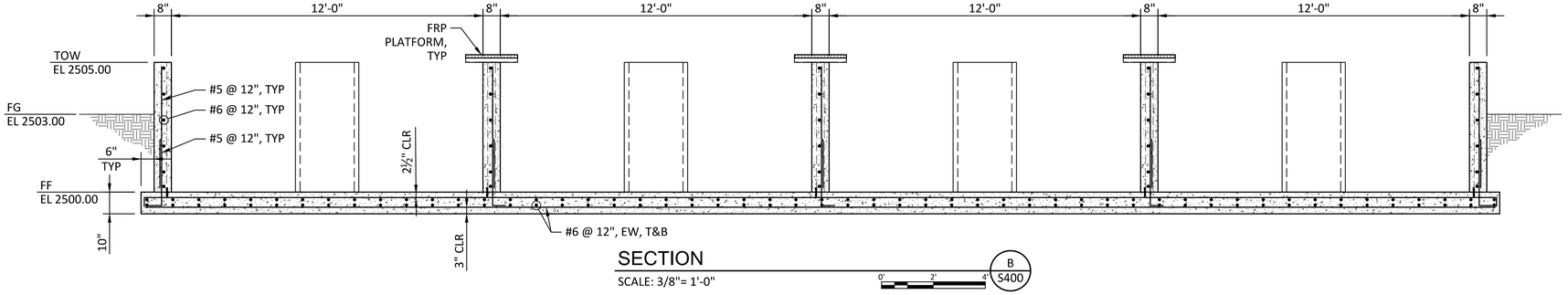




SECTION

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

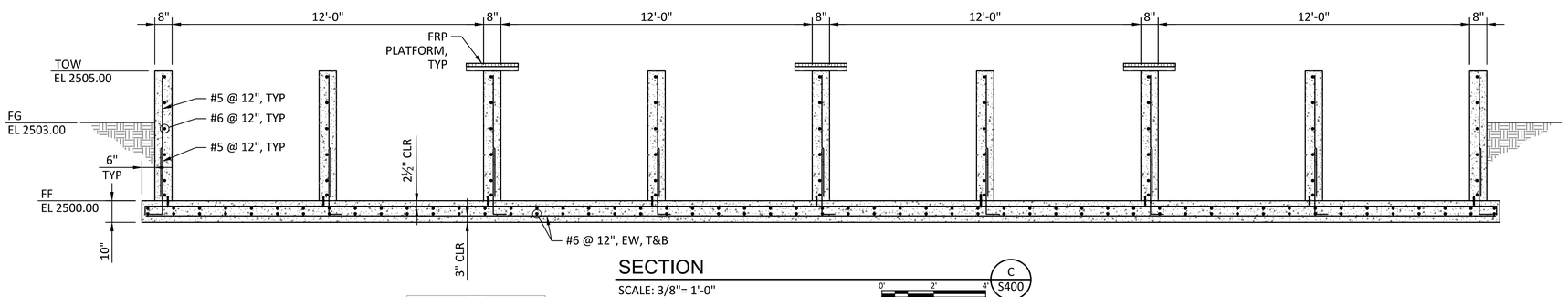
A S400



SECTION

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

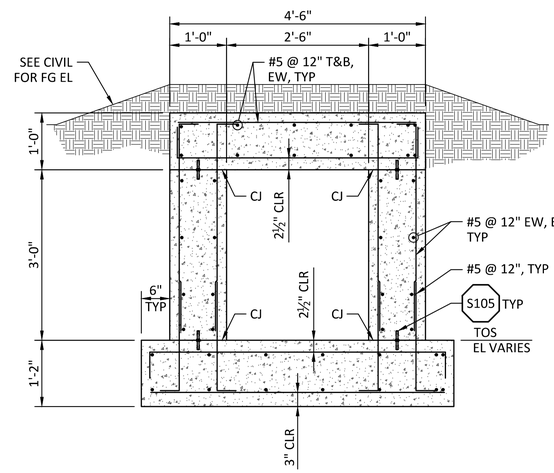
B S400



SECTION

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

C S400



BOX CULVERT SECTION

SCALE: 1"= 1'-0"

D S400

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

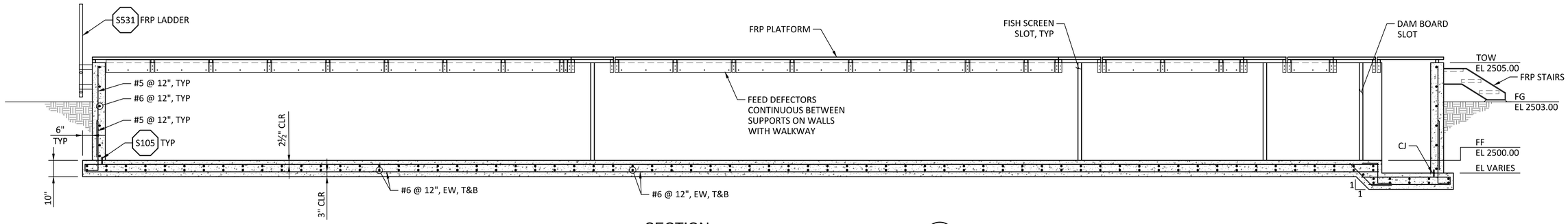
CHINOOK RACEWAYS
SECTIONS 1

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

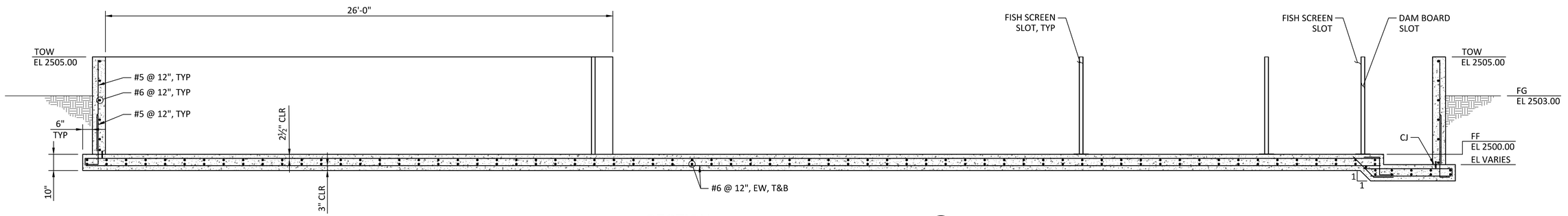
DRAWING

S402

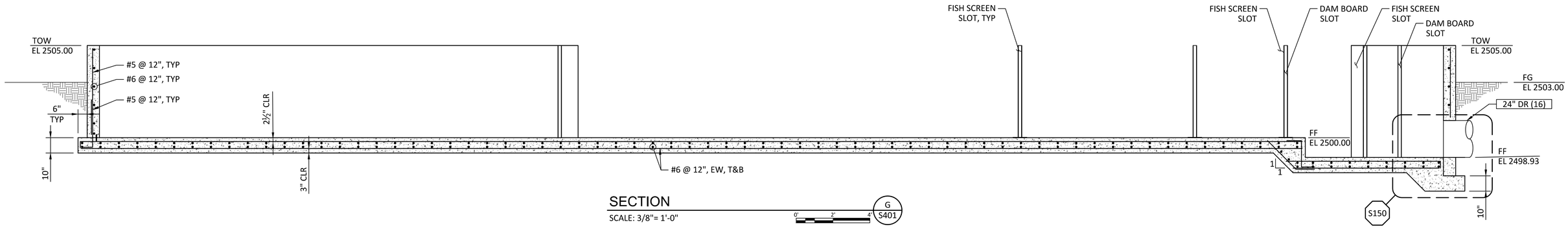
JOB NO: 000000



SECTION
SCALE: 3/8"= 1'-0"
0' 2' 4'
E S400



SECTION
SCALE: 3/8"= 1'-0"
0' 2' 4'
F S400



SECTION
SCALE: 3/8"= 1'-0"
0' 2' 4'
G S401

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

CHINOOK RACEWAYS
SECTIONS 2

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

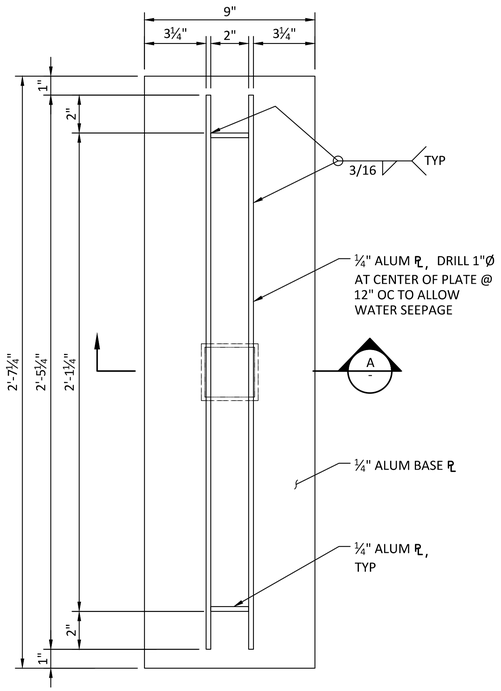
DRAWING
S403

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\S403.dwg Plot date: Oct 27, 2020 01:11pm, CAD User: Guerrero

SHEET NOTES:

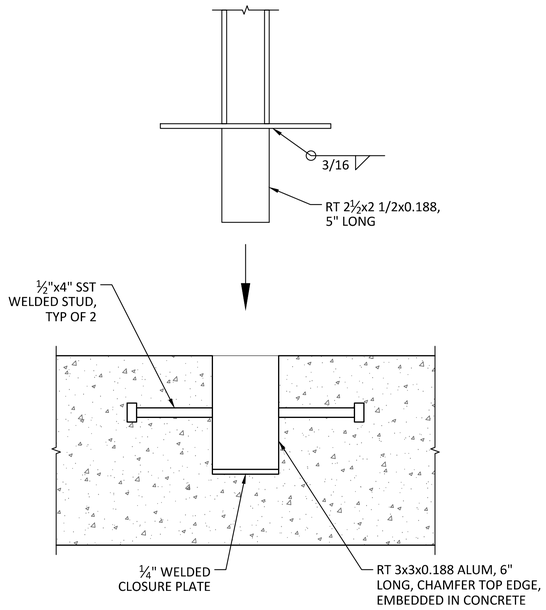
1. ALL ANCHORS SHALL BE HILTI HAS-R 304 SST W/ HILTI HIT-500 V3 EPOXY.



REMOVABLE FISH SCREEN PIER

1 S400

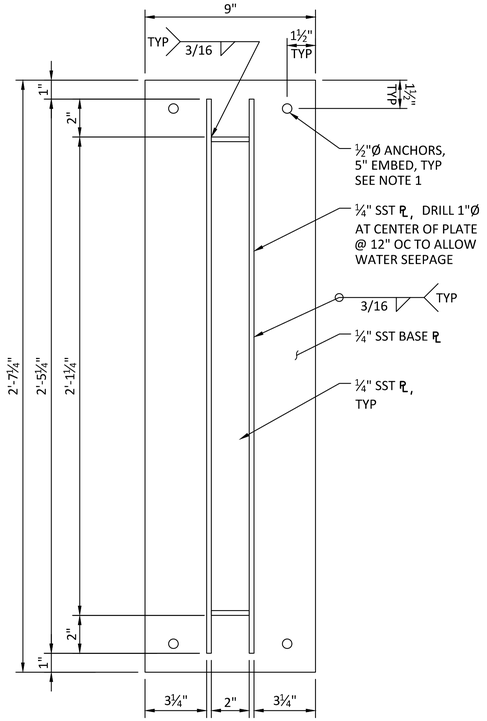
SCALE: 3"= 1'-0"



SECTION

A -

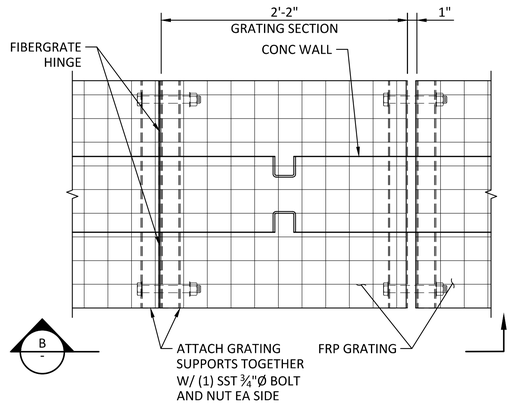
SCALE: 3"= 1'-0"



DAM BOARD PIER

2 S400

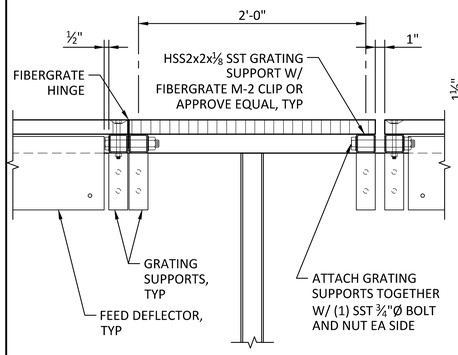
SCALE: 3"= 1'-0"



HINGED GRATING @ SCREEN GUIDES

3 S400

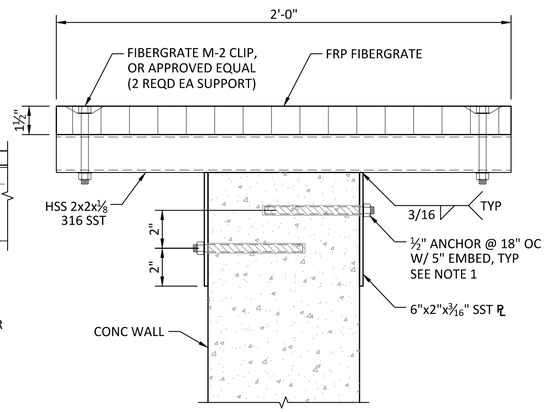
SCALE: 1 1/2"= 1'-0"



HINGED GRATING SECTION

B -

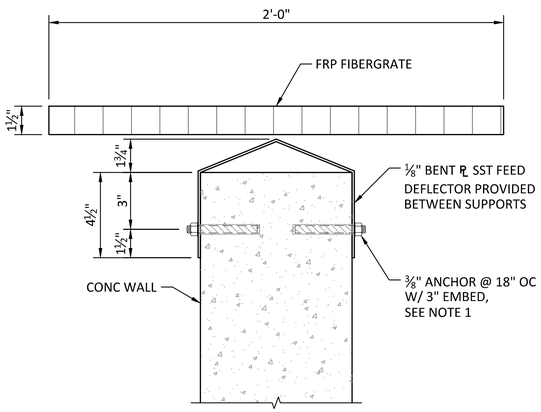
SCALE: 1 1/2"= 1'-0"



SECTION

C S400

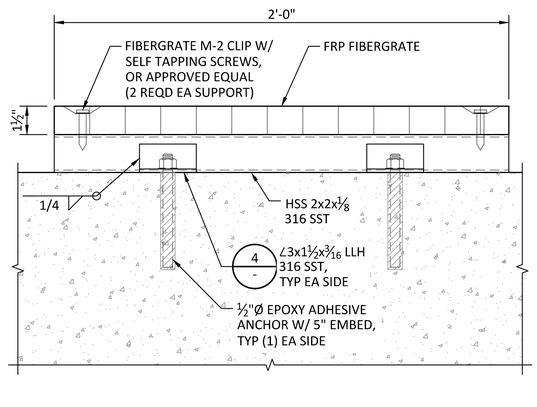
SCALE: 3"= 1'-0"



SECTION

D S400

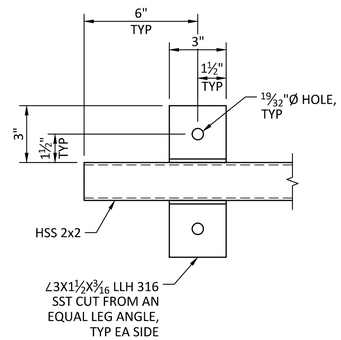
SCALE: 3"= 1'-0"



SECTION

E S400

SCALE: 3"= 1'-0"



DETAIL

4 -

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 — 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 RACEWAYS
SECTIONS AND DETAILS

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

DRAWING

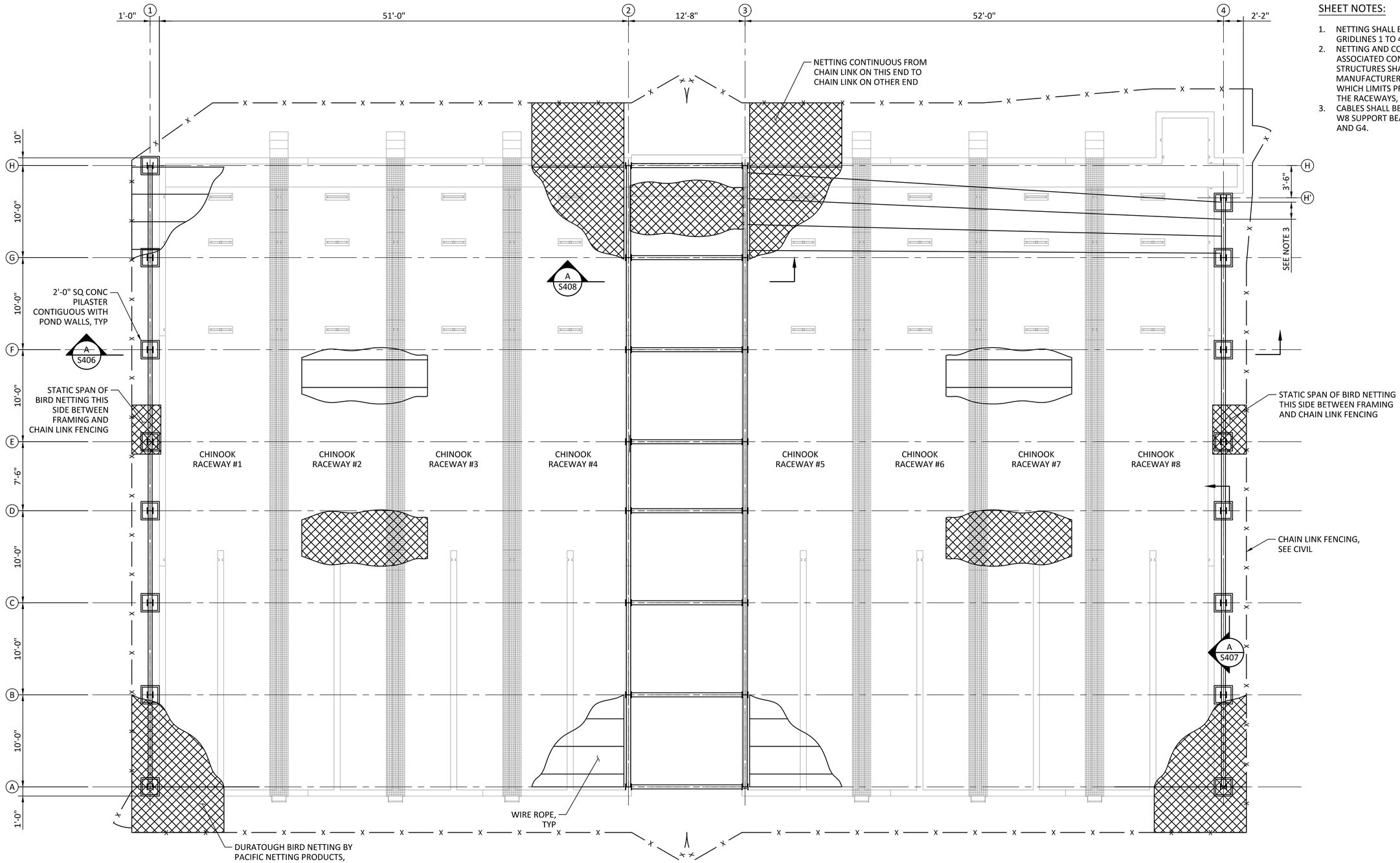
S404

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\S404.dwg Plot date: Oct 27, 2020 01:11pm, CAD User: Guerrero

SHEET NOTES:

1. NETTING SHALL BE CONTINUOUS FROM GRIDLINES 1 TO 4.
2. NETTING AND COUNTER-BALANCE AND ASSOCIATED CONNECTIONS TO ADJACENT STRUCTURES SHALL BE COORDINATED WITH MANUFACTURER TO PROVIDE A SYSTEM WHICH LIMITS PREDATORY BIRD ACCESS TO THE RACEWAYS, SPECIFICALLY KINGFISHERS.
3. CABLES SHALL BE SPACED EQUALLY ACROSS W8 SUPPORT BEAM BETWEEN COLUMNS H'4 AND G4.



CHINOOK RACEWAYS BIRD NETTING PLAN

SCALE: 3/16"= 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
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

CHINOOK RACEWAYS
BIRD NETTING
PLAN

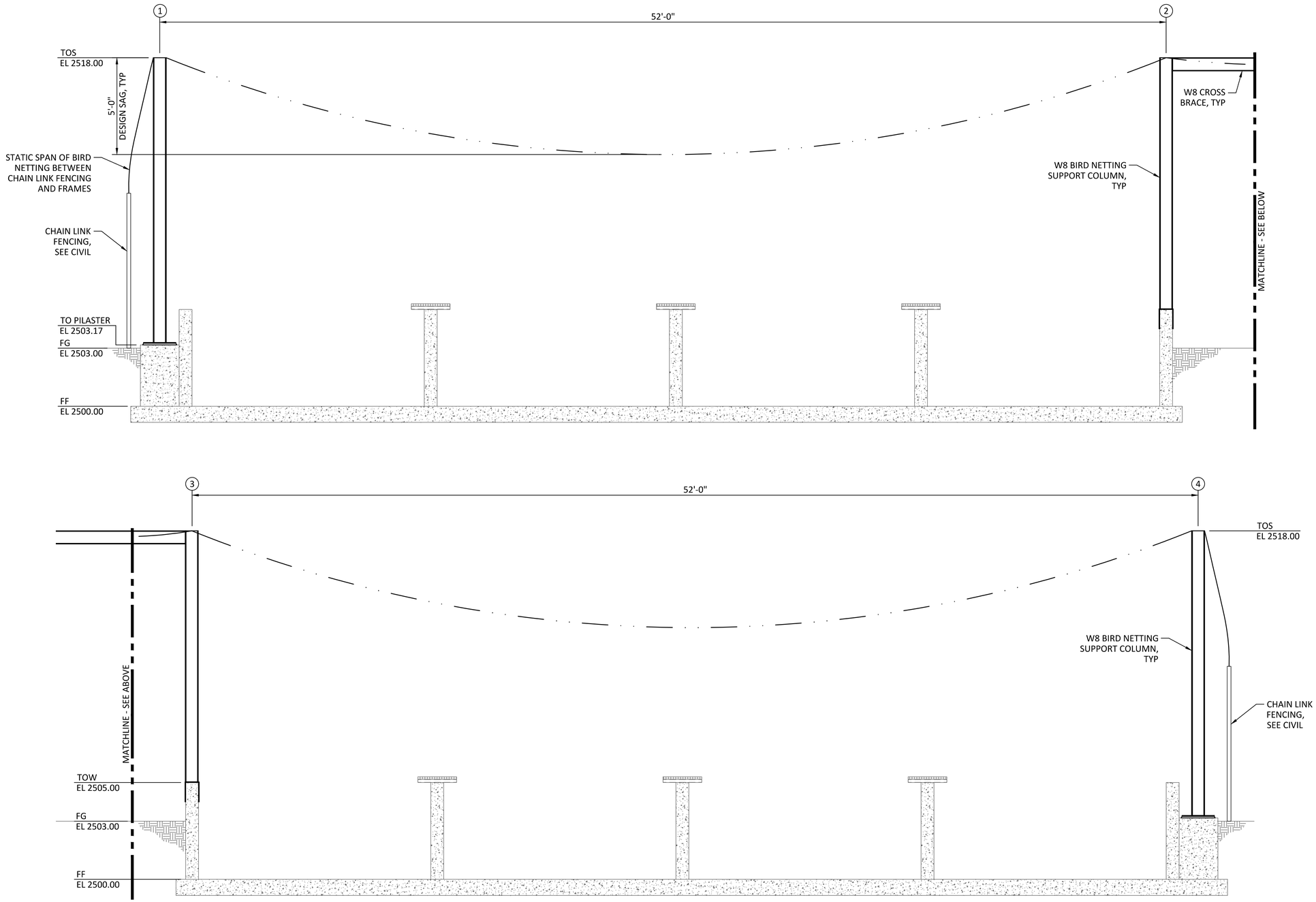
DESIGNED Z. AUTIN
DRAWN D. JOHNSTON
CHECKED T. BOWEN
PROJECT DATE 10/28/20

DRAWING

S405

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\S405.dwg Plot date: Oct 27, 2020 01:11pm, CAD User: Guerrero



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

A
S405

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

McMILLEN JACOBS ASSOCIATES

KLAMATH RIVER RENEWAL CORPORATION

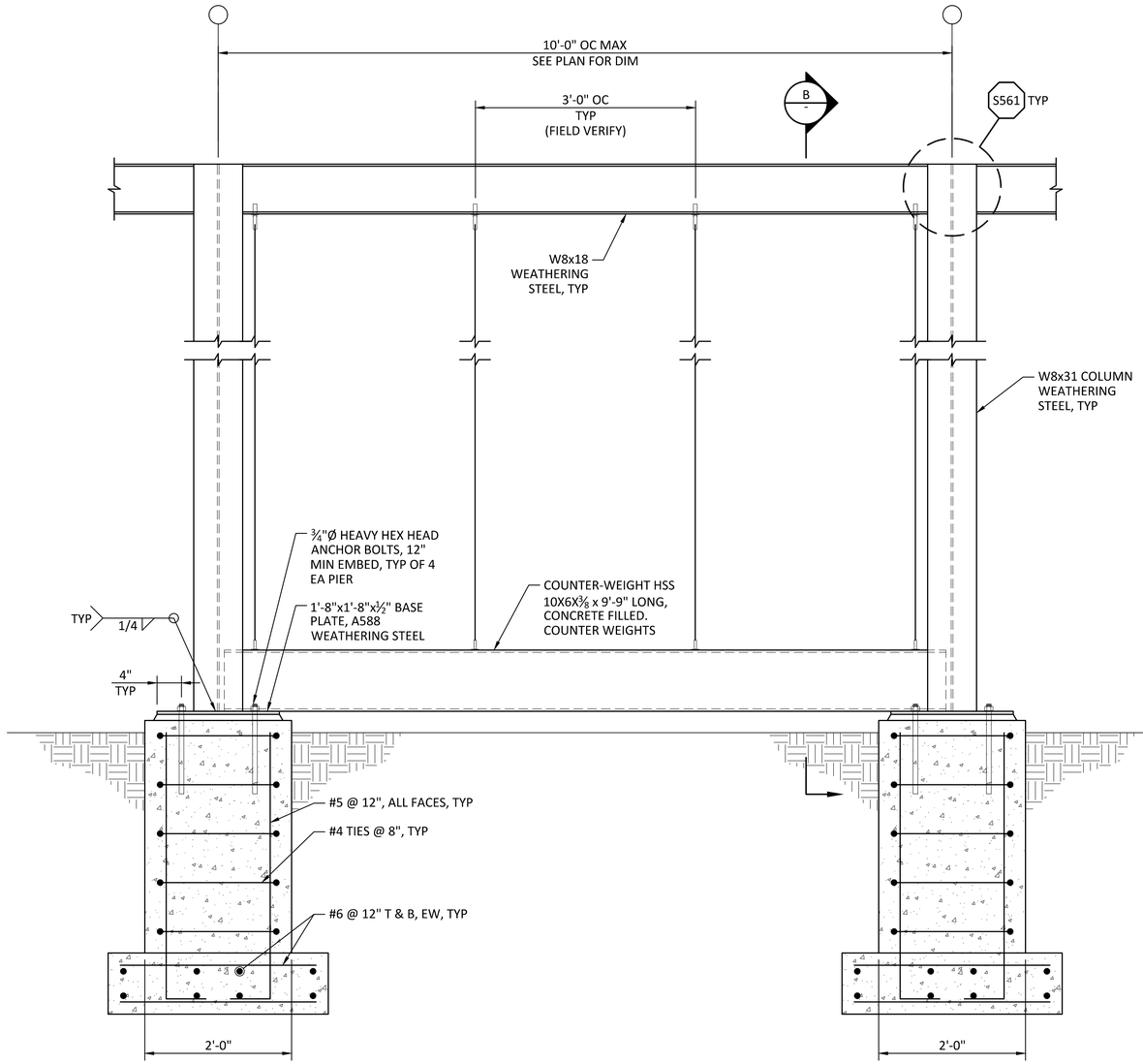
KLAMATH RIVER RENEWAL CORPORATION
FALL CREEK FISH HATCHERY
CHINOOK RACEWAYS
BIRD NETTING
SECTIONS AND DETAILS 1

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

DRAWING
S406

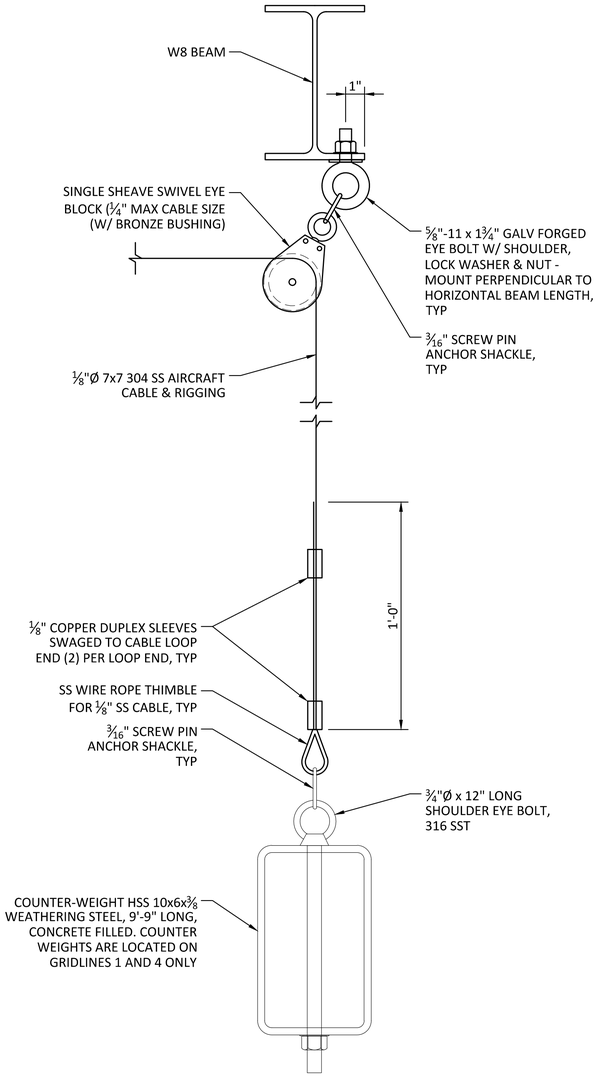
JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\S406.dwg Plot date: Oct 27, 2020 01:11pm, CAD User: Guerrero



SECTION
SCALE: 1"= 1'-0"

A
S405



SECTION
SCALE: 3"= 1'-0"

B
-

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

McMILLEN JACOBS ASSOCIATES

KLAMATH RIVER RENEWAL CORPORATION

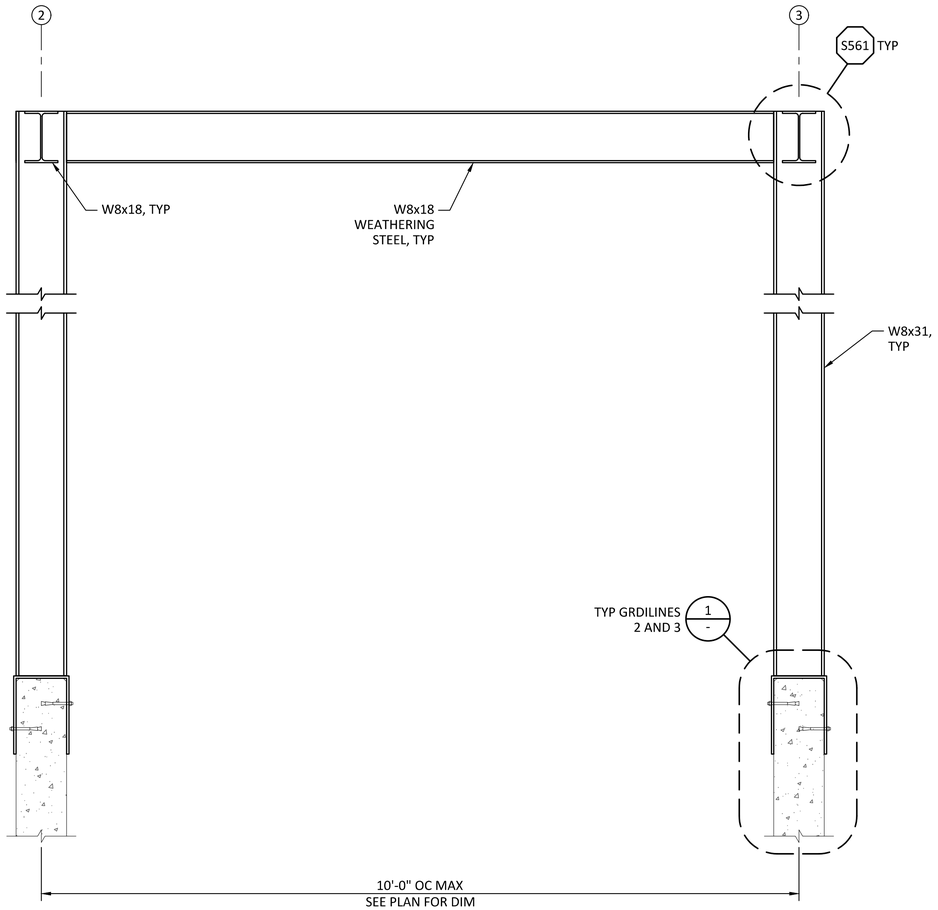
KLAMATH RIVER RENEWAL CORPORATION
FALL CREEK FISH HATCHERY
CHINOOK RACEWAYS
BIRD NETTING
SECTIONS AND DETAILS 2

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

DRAWING
S407

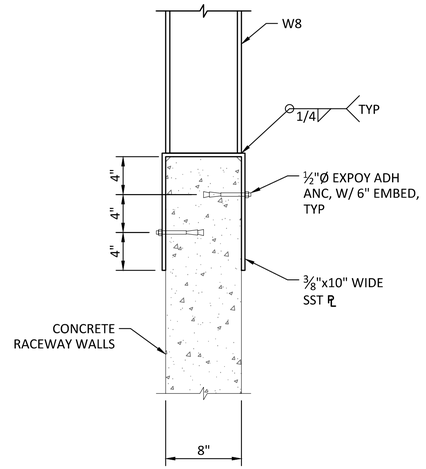
JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\S407.dwg Plot date: Oct 27, 2020 01:11pm, CAD User: Guerrero



SECTION
SCALE: 1"= 1'-0"

A
S405



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

1
-

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

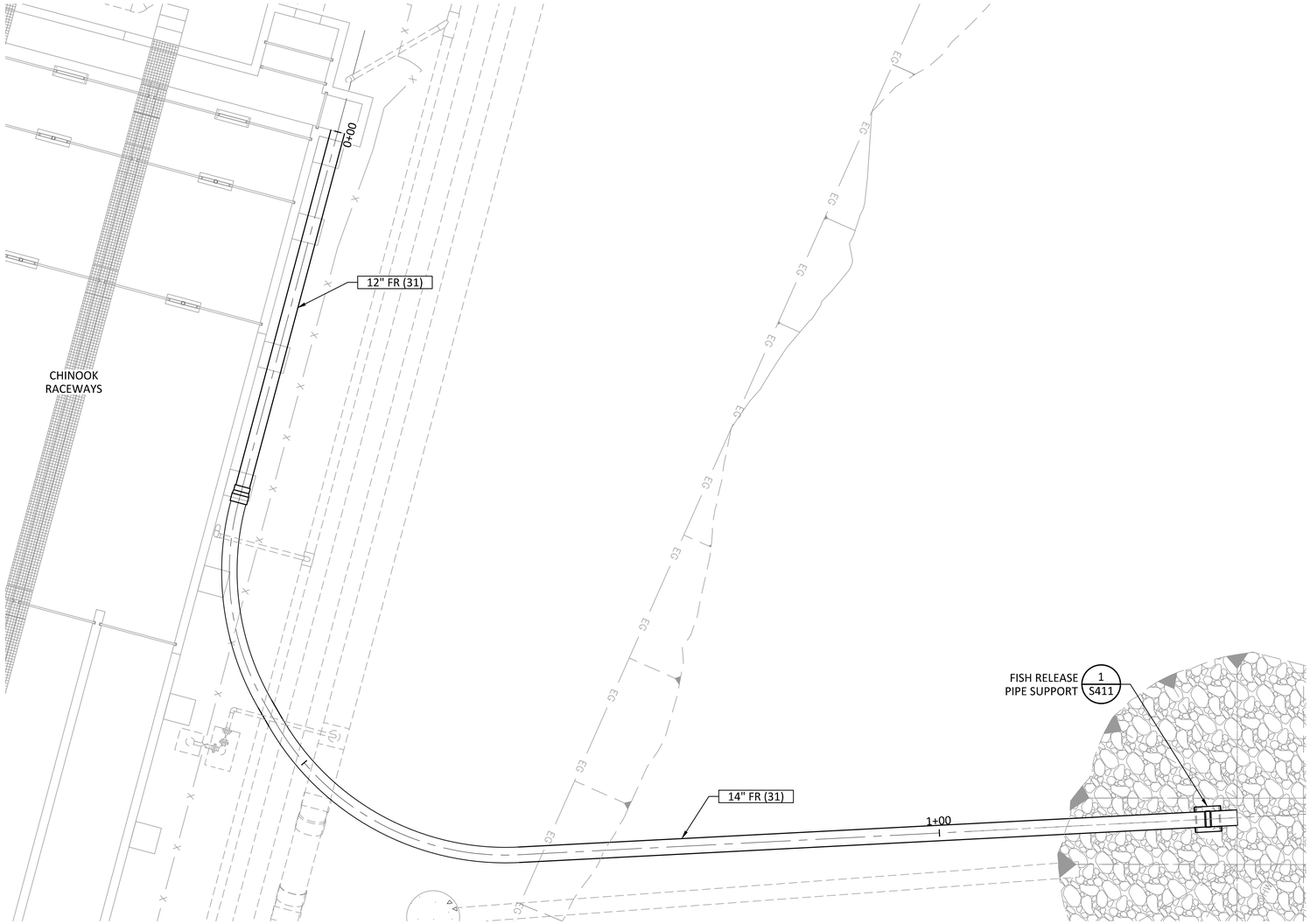
KLAMATH RIVER RENEWAL CORPORATION

KLAMATH RIVER RENEWAL CORPORATION
FALL CREEK FISH HATCHERY
CHINOOK RACEWAYS
BIRD NETTING
SECTIONS AND DETAILS 3

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

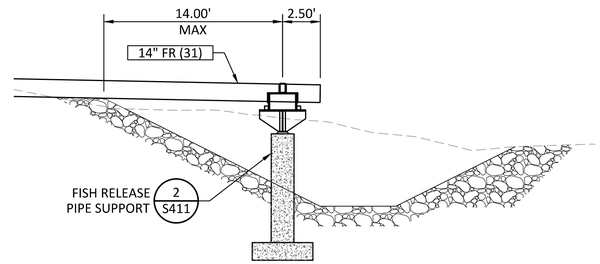
DRAWING
S408

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\S408.dwg Plot date: Oct 27, 2020 01:11pm, CAD User: Guerrero
JOB NO: 000000



CHINOOK RACEWAYS FISH RELEASE PIPE SUPPORT PLAN

SCALE: 1"= 5'



PIPE SUPPORT ELEVATION

SCALE: 1"= 5'

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

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 RACEWAYS FISH RELEASE PIPE SUPPORT PLAN AND ELEVATION

DESIGNED Z. AUTIN

DRAWN R. GUERRERO

CHECKED T. BOWEN

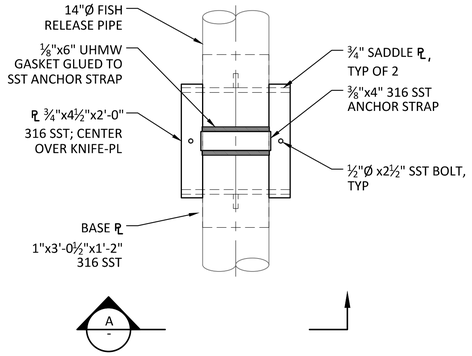
PROJECT DATE 10/28/20

DRAWING

S410

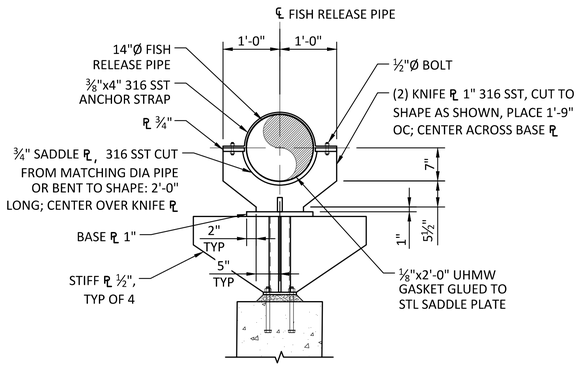
JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\S410.dwg Plot date: Oct 27, 2020 01:12pm, CAD User: Guerrero



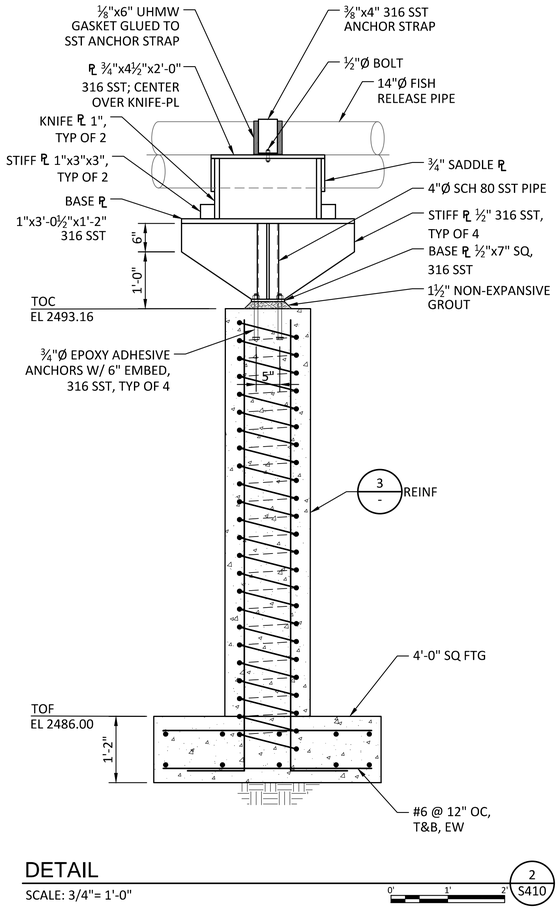
DETAIL

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



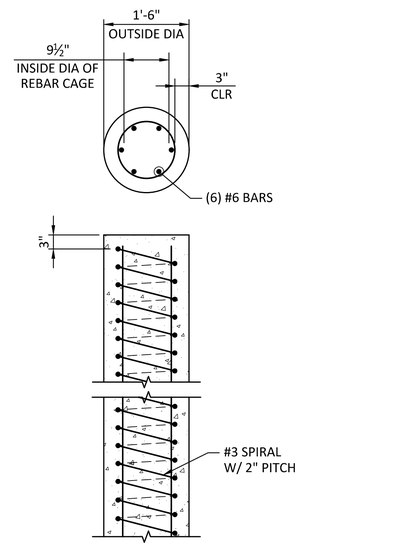
SECTION

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



DETAIL

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



DETAIL

SCALE: 3/4"= 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

WARNING

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 RACEWAYS FISH
RELEASE PIPE SUPPORT
SECTION AND DETAILS

DESIGNED Z. AUTIN

DRAWN R. GUERRERO

CHECKED T. BOWEN

PROJECT DATE 10/28/20

DRAWING

S411

JOB NO: 000000

Path: C:\Vault20\Klamath River Renewal Corp\Fall Creek Facility\S411.dwg Plot date: Oct 27, 2020 01:12pm, CAD User: Guerrero