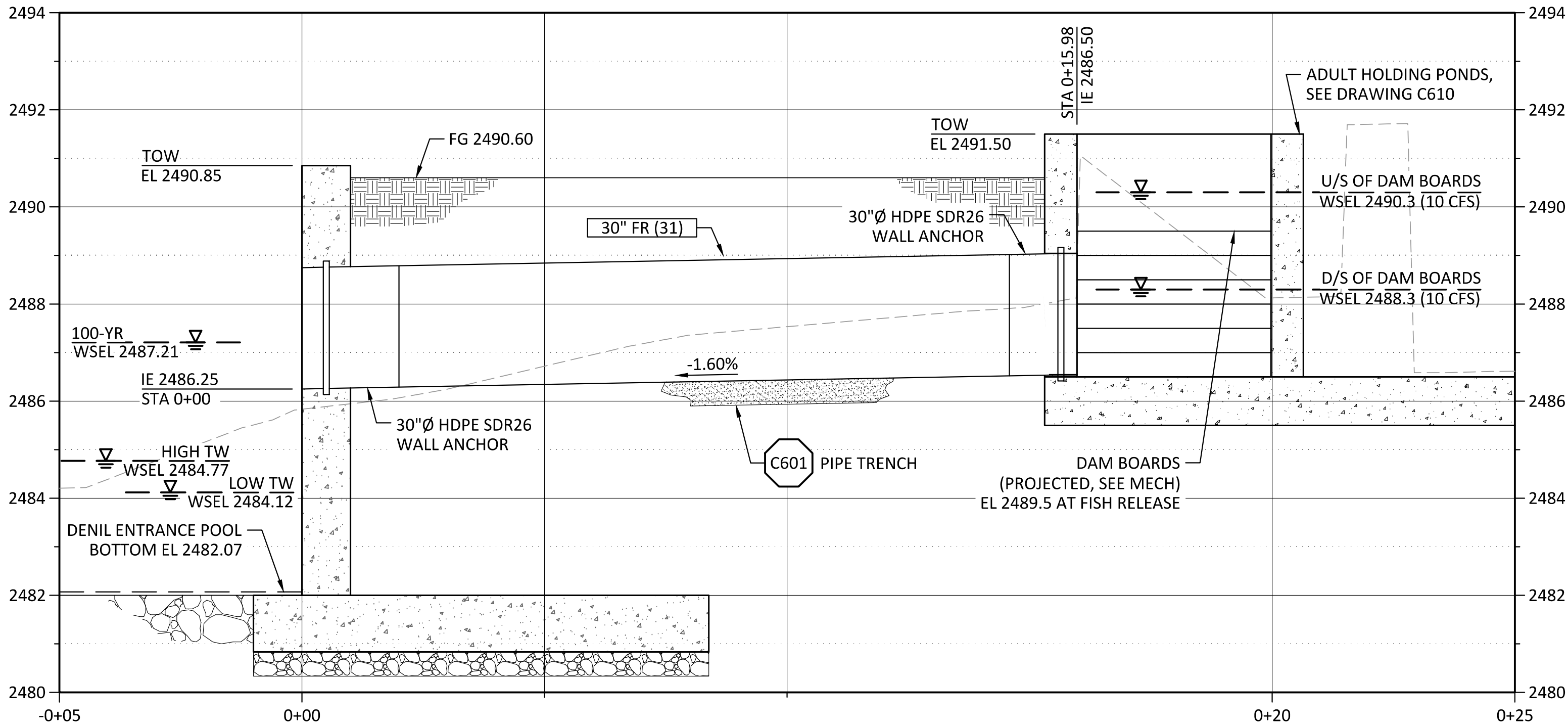
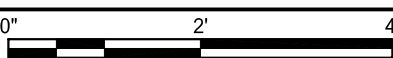


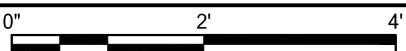
- SHEET NOTES:**
- ALL PIPE ELEVATIONS SHOWN ON THIS SHEET ARE INVERT ELEVATIONS.

ADULT HOLDING FISH RELEASE PIPE PLAN
SCALE: 1"= 2'



PROFILE

SCALE: 1"= 2'



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

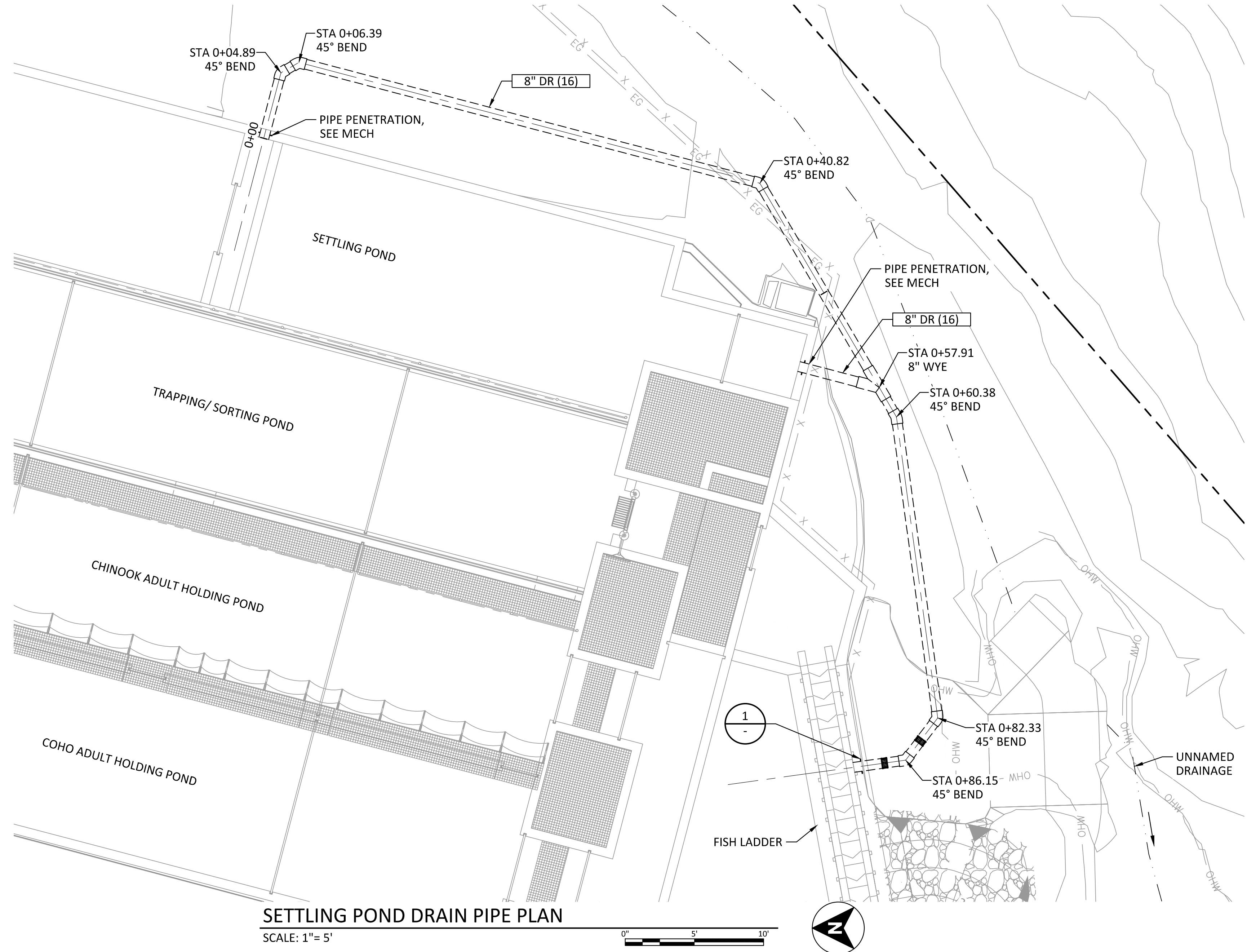


WARNING
0 1/2 1
IF THIS BAR DOES NOT
MEASURE 1" THEN
DRAWING IS NOT TO SCALE.

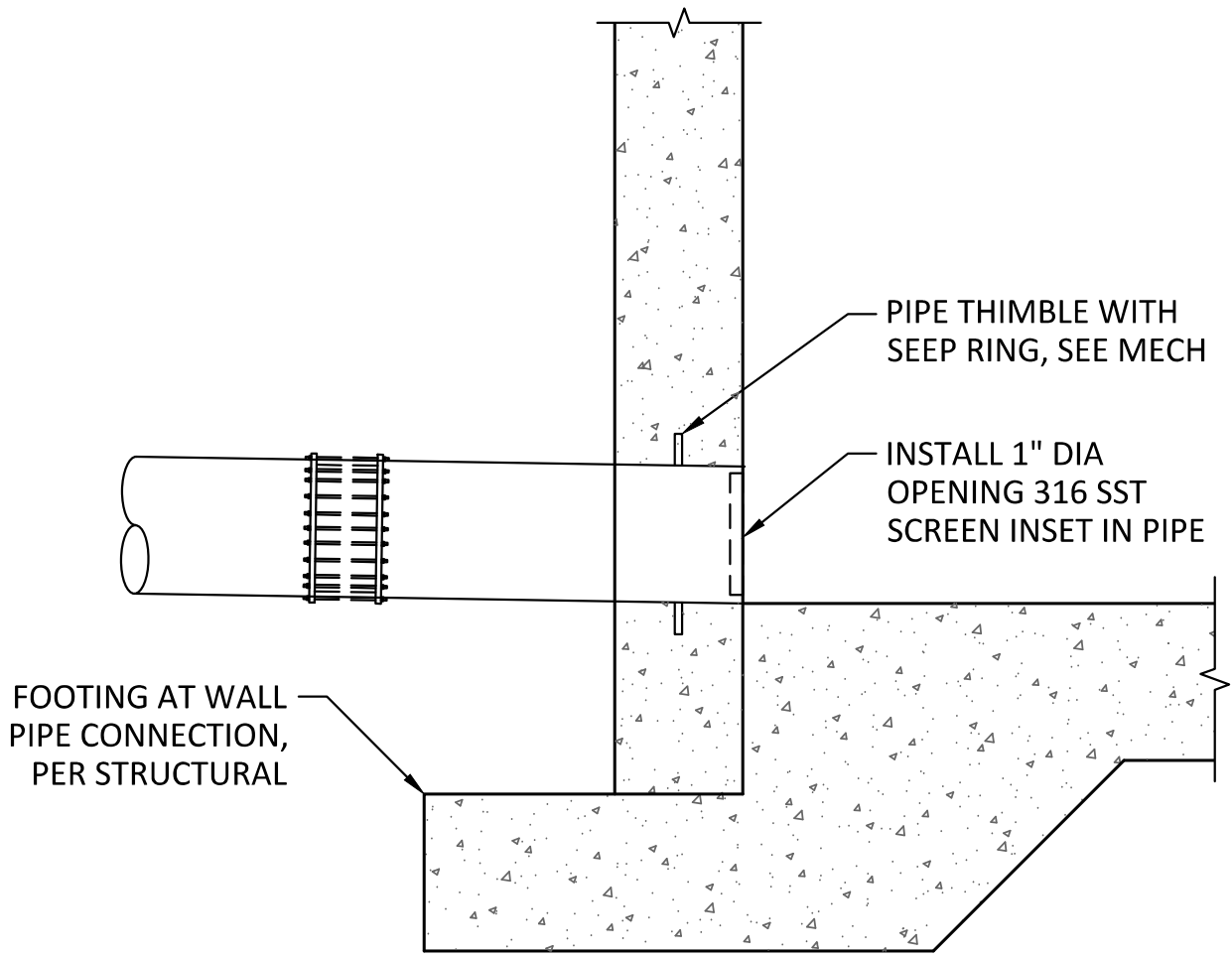


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|--|--|------------------------------|-------------|
| KLAMATH RIVER RENEWAL CORPORATION | | DESIGNED <u>A. LEMAN</u> | C604 |
| FALL CREEK FISH HATCHERY | | DRAWN <u>J. LAHMOM</u> | |
| ADULT HOLDING FISH RELEASE PIPE PLAN AND PROFILE | | CHECKED <u>V. AUTIER</u> | |
| | | PROJECT DATE <u>10/28/20</u> | |

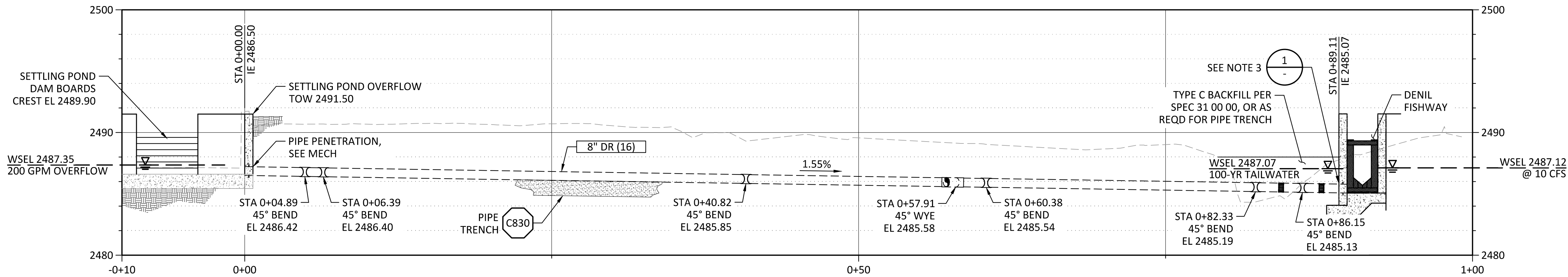
- SHEET NOTES:
1. DRAIN PIPE TO MAINTAIN MINIMUM 2.0' COVER OVER CROWN OF PIPE ALONG ENTIRE PIPELINE LENGTH. WHERE NOT ATTAINABLE, OR WHERE SHOWN OTHERWISE ON THE PROFILES, PIPE IS TO BE ENCASED IN CLSM PER SPECIFICATION 31 23 00.
 2. ALL PIPE ELEVATIONS SHOWN ON THIS SHEET ARE INVERT ELEVATIONS.
 3.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



SETTLING POND DRAIN PIPE PLAN
SCALE: 1"= 5'

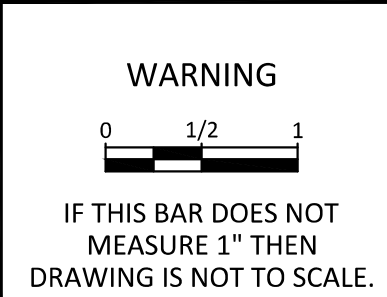


DENIL TIE-IN DETAIL
SCALE: 12"= 1'-0"

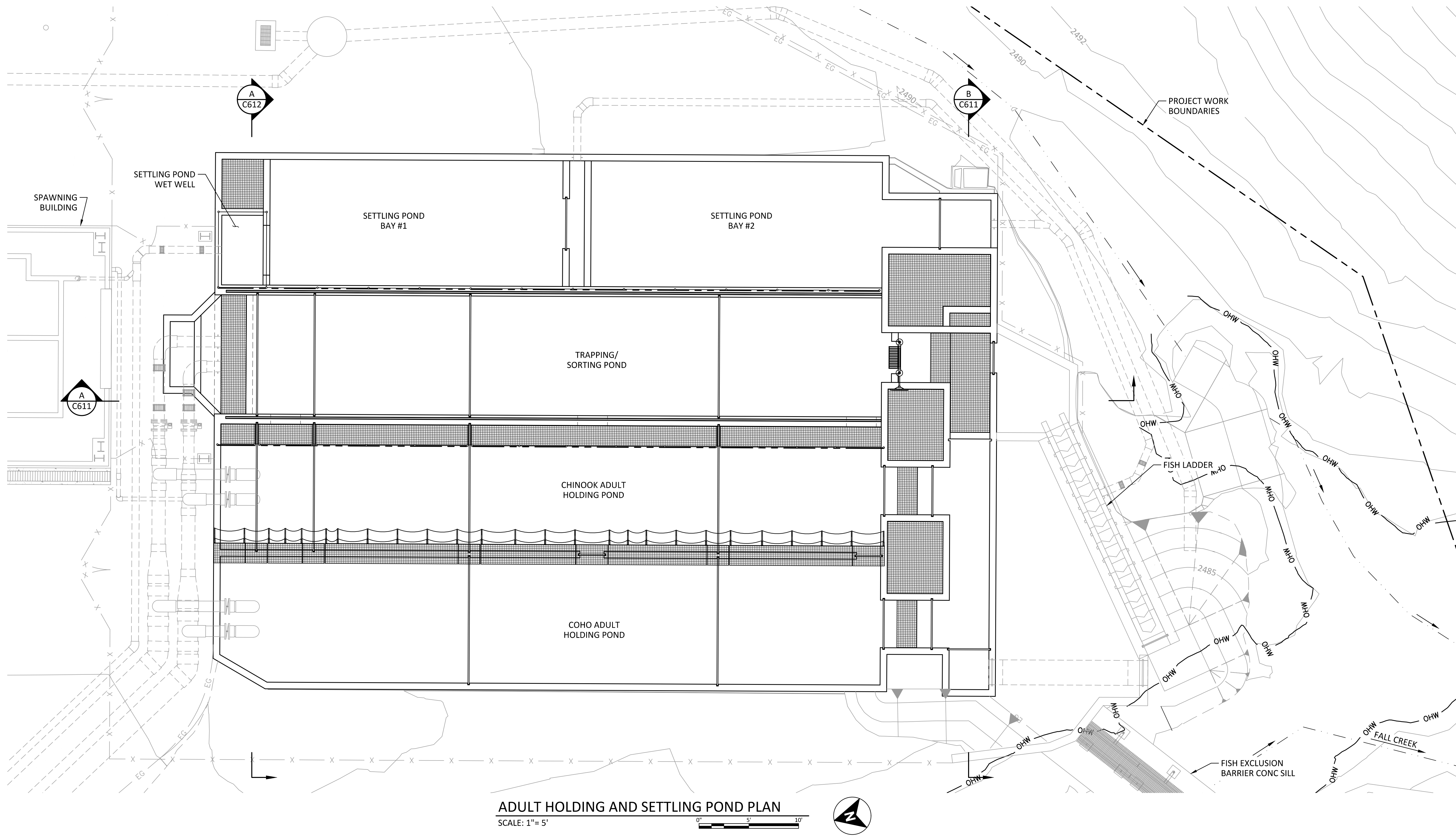


PROFILE
SCALE: 1"= 5'

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



| | | |
|---|------------------------------|----------------------------|
| KLAMATH RIVER RENEWAL CORPORATION | DESIGNED <u>A. LEMAN</u> | DRAWING C605 |
| FALL CREEK FISH HATCHERY | DRAWN <u>J. LAHMON</u> | |
| SETTLING POND DRAIN PIPE PLAN AND PROFILE | CHECKED <u>V. AUTIER</u> | |
| | PROJECT DATE <u>10/28/20</u> | |



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| REV | DATE | BY | DESCRIPTION | |



WARNING

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



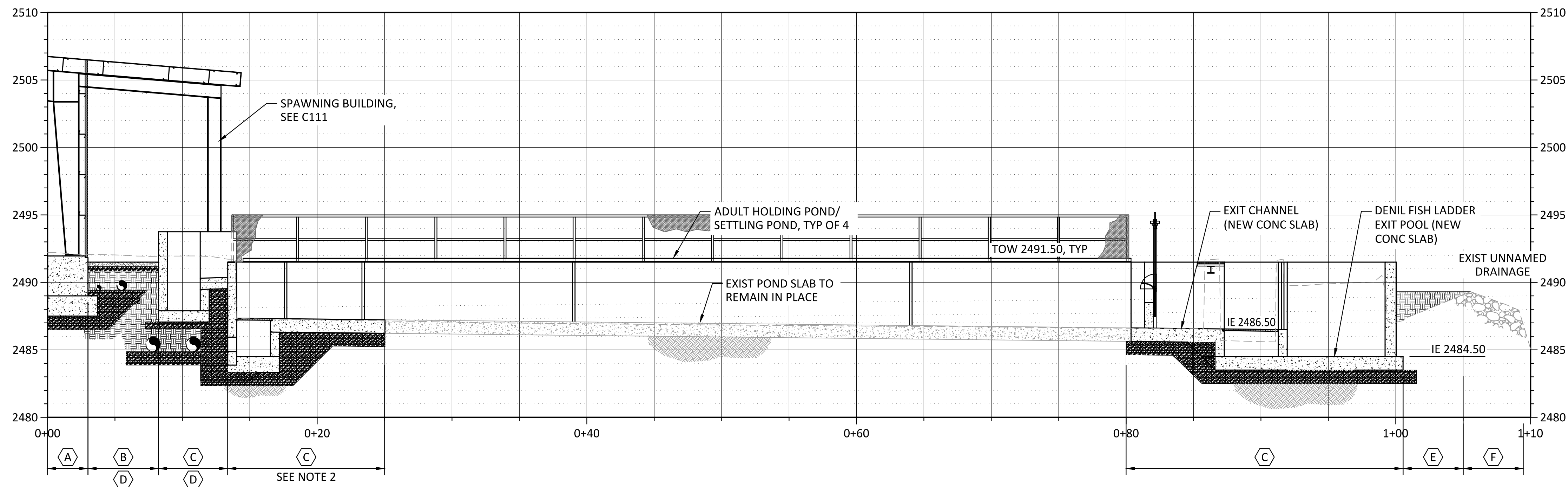
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|--|--|--------------|-----------|----------------------------|
| KLAMATH RIVER RENEWAL CORPORATION | | DESIGNED | A. LEMAN | DRAWING C610 |
| FALL CREEK FISH HATCHERY | | DRAWN | J. LAHMON | |
| ADULT HOLDING AND SETTLING PONDS PLAN | | CHECKED | V. AUTIER | |
| | | PROJECT DATE | 10/28/20 | |

SHEET NOTES:

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

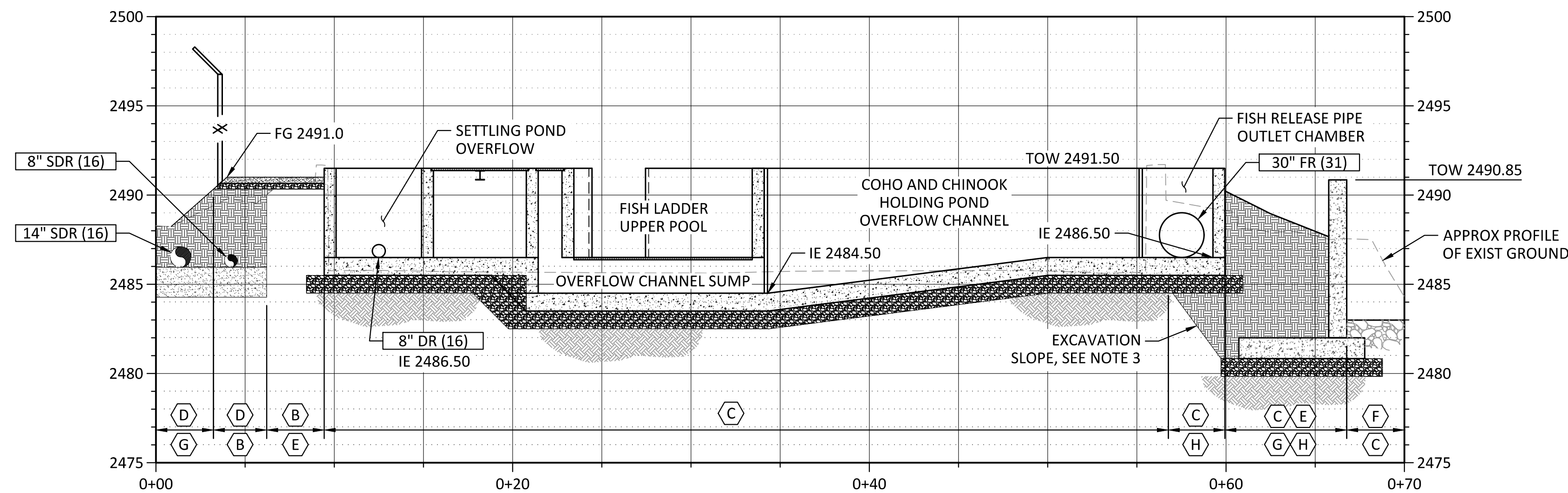
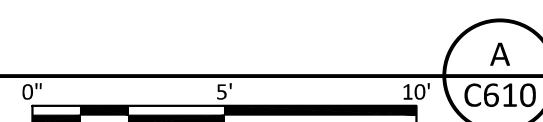
SHEET KEY NOTES:

- 18" THICK TYPE SF FILL UNDER BUILDING FOOTINGS, AND 6" THICK TYPE SF FILL UNDER SLABS. EXTEND BEYOND 18" ALL SIDES.
- GENERAL GRAVEL SURFACING PER C135.
- 6" THICK TYPE DRG FILL UNDER POND SLABS AND WATER RETAINING STRUCTURES, EXTEND BEYOND 3.0' ALL SIDES.
- PIPE TRENCH PER C601.
- BACKFILL WITH TYPE C FILL.
- RESTORE CREEK BED WITH NATIVE MATERIAL FROM EXCAVATION / COBBLE FILL.
- PLACE FINAL 6" WITH TOPSOIL AND REVEGETATE.
- 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).



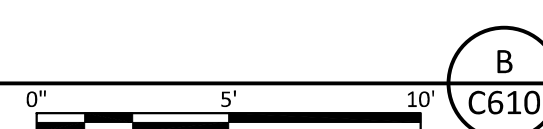
SECTION

SCALE: 1"= 5'



SECTION

SCALE: 1"= 5'



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



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



KLAMATH RIVER RENEWAL CORPORATION

FALL CREEK FISH HATCHERY

ADULT HOLDING AND SETTLING PONDS
SECTIONS AND DETAILS 1

DESIGNED A. LEMAN

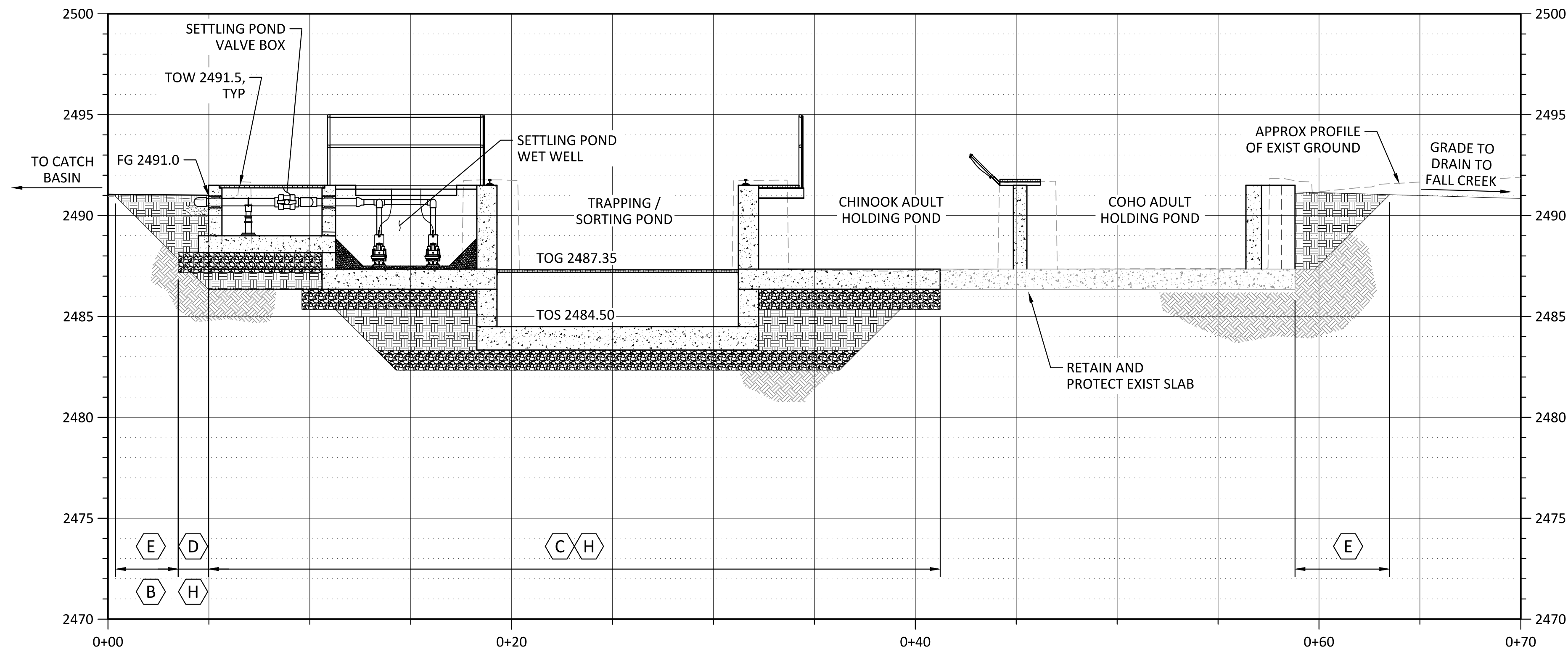
DRAWN J. LAHMON

CHECKED V. AUTIER

PROJECT DATE 10/28/20

DRAWING

C611



SECTION
SCALE: 1" = 4'

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).

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WARNING

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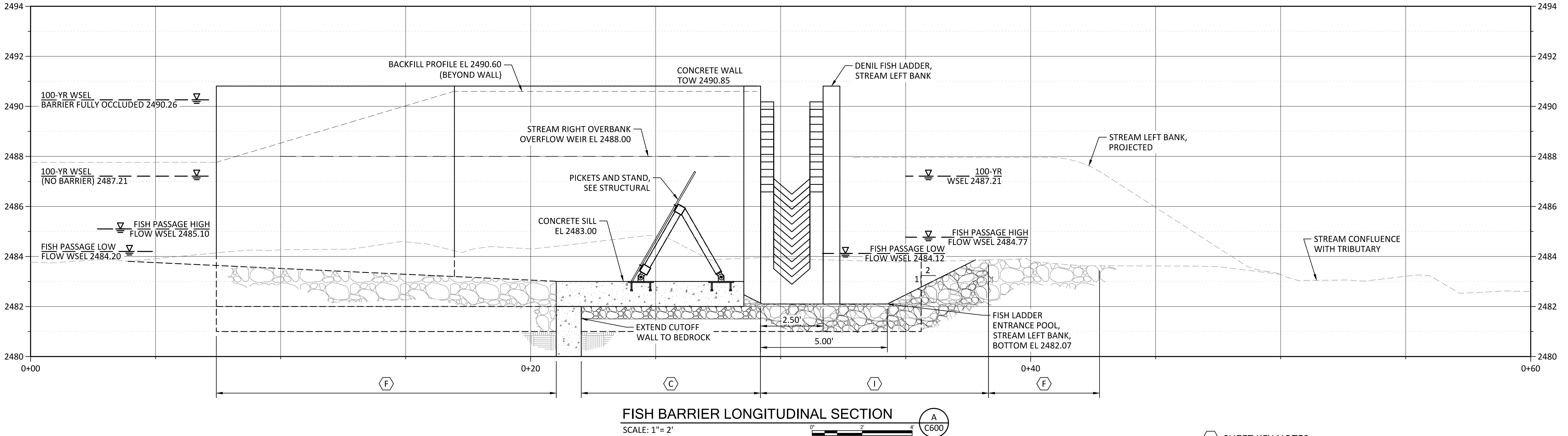
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.



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| KLAMATH RIVER RENEWAL CORPORATION | | DESIGNED <u>A. LEMAN</u> | DRAWING C612 |
| FALL CREEK FISH HATCHERY | | DRAWN <u>J. LAHMON</u> | |
| ADULT HOLDING AND SETTLING PONDS SECTIONS AND DETAILS 2 | | CHECKED <u>V. AUTIER</u> | |
| | | PROJECT DATE <u>10/28/20</u> | |

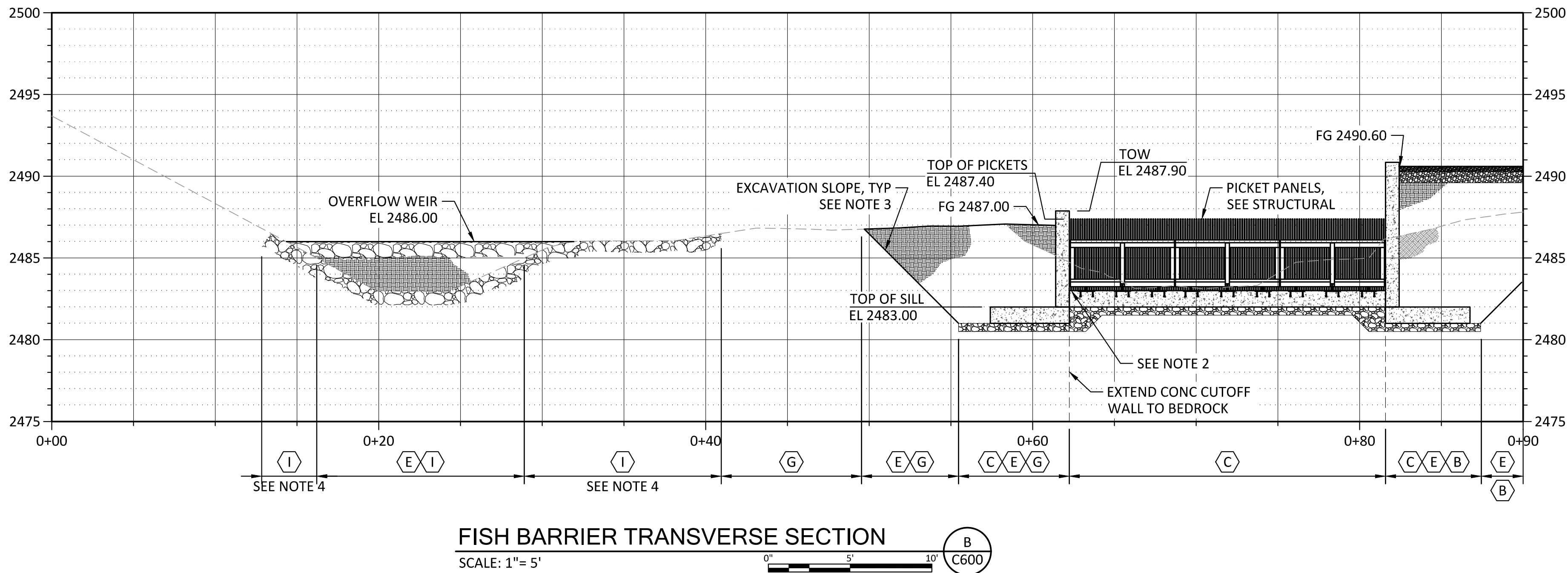
SHEET NOTES:

- ALL EARTHWORKS MATERIALS ARE TO BE PLACED AND COMPACTED ACCORDING TO SPECIFICATION 31 00 00..
- PICKETS TO SPAN ENTIRE SILL WIDTH WITH NO GAPS GREATER THAN 1". SEE STRUCTURAL FOR END TIE-IN DETAILS.
- 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.
- RIPRAP LINING TO EXTEND 6" ABOVE THE OVERFLOW WEIR ELEVATION (EL 2486.50).

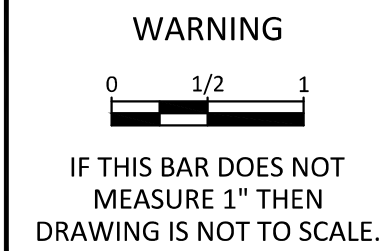


SHEET KEY NOTES:

- 18" THICK TYPE SF FILL UNDER BUILDING FOOTINGS, AND 6" THICK TYPE SF FILL UNDER SLABS. EXTEND BEYOND 18" ALL SIDES.
- GENERAL GRAVEL SURFACING PER C135.
- 6" THICK TYPE DRG FILL UNDER POND SLABS AND WATER RETAINING STRUCTURES, EXTEND BEYOND 3.0' ALL SIDES.
- PIPE TRENCH PER C601.
- BACKFILL WITH TYPE C FILL.
- RESTORE CREEK BED WITH NATIVE MATERIAL FROM EXCAVATION / COBBLE FILL.
- PLACE FINAL 6" WITH TOPSOIL AND REVEGETATE.
- 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).
- 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 |
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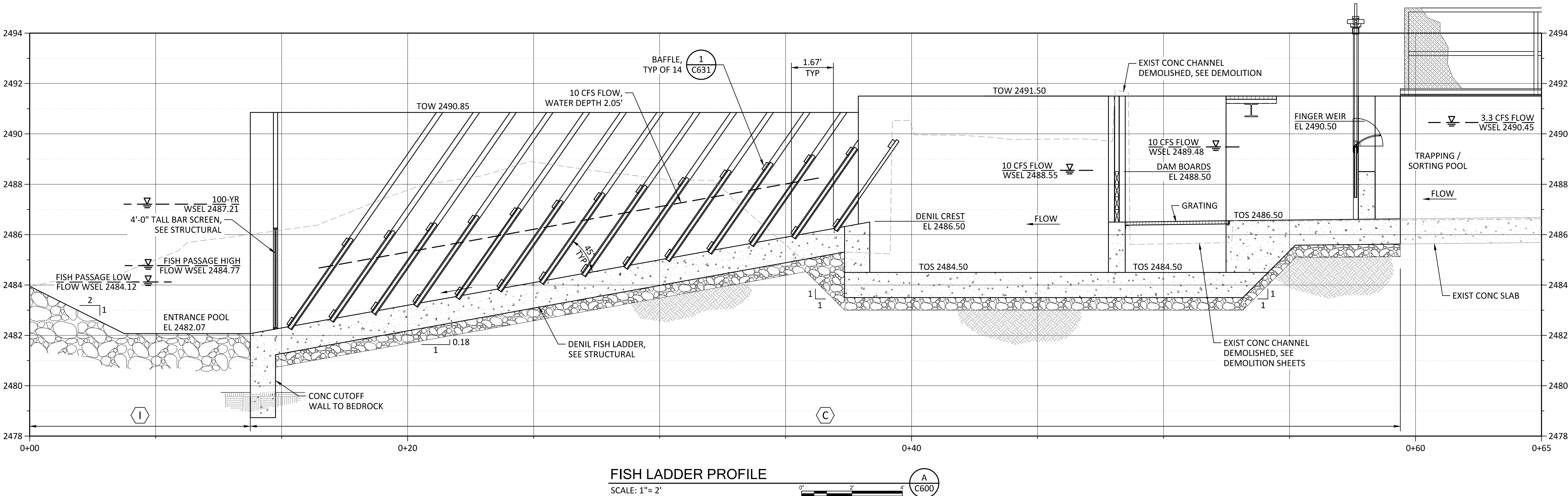
| KLAMATH RIVER RENEWAL CORPORATION | | DESIGNED | A. LEMAN | DRAWING C620 |
|-----------------------------------|--|--------------|-----------|---------------------|
| FALL CREEK FISH HATCHERY | | DRAWN | J. LAHMON | |
| FISH BARRIER SECTIONS | | CHECKED | V. AUTIER | |
| | | PROJECT DATE | 10/28/20 | |

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'

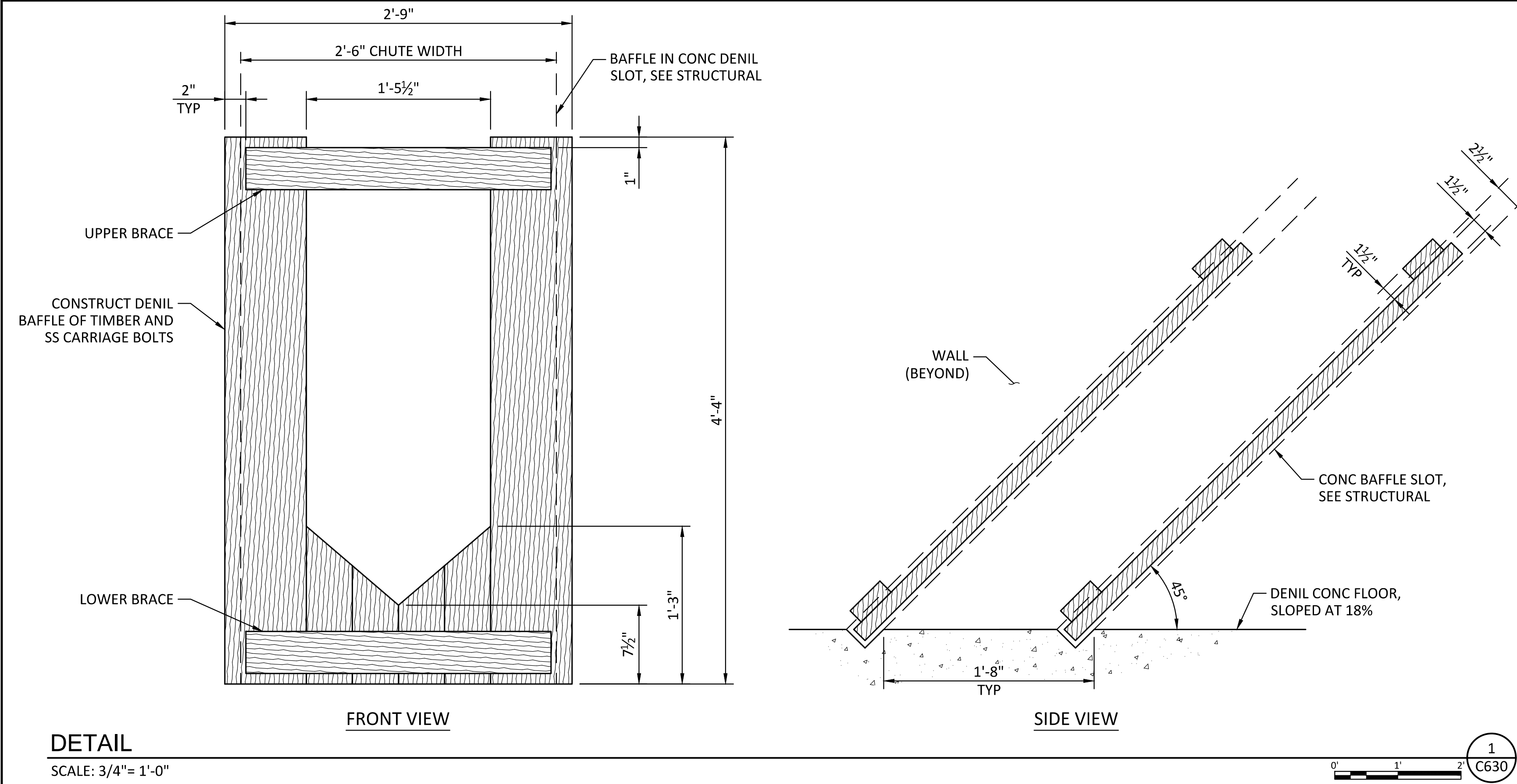
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WARNING
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.



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| KLAMATH RIVER RENEWAL CORPORATION | | DESIGNED <u>A. LEMAN</u> | DRAWING C630 |
| FALL CREEK FISH HATCHERY | | DRAWN <u>J. LAHMON</u> | |
| FISH LADDER PROFILE | | CHECKED <u>V. AUTIER</u> | |
| | | PROJECT DATE <u>10/28/20</u> | |



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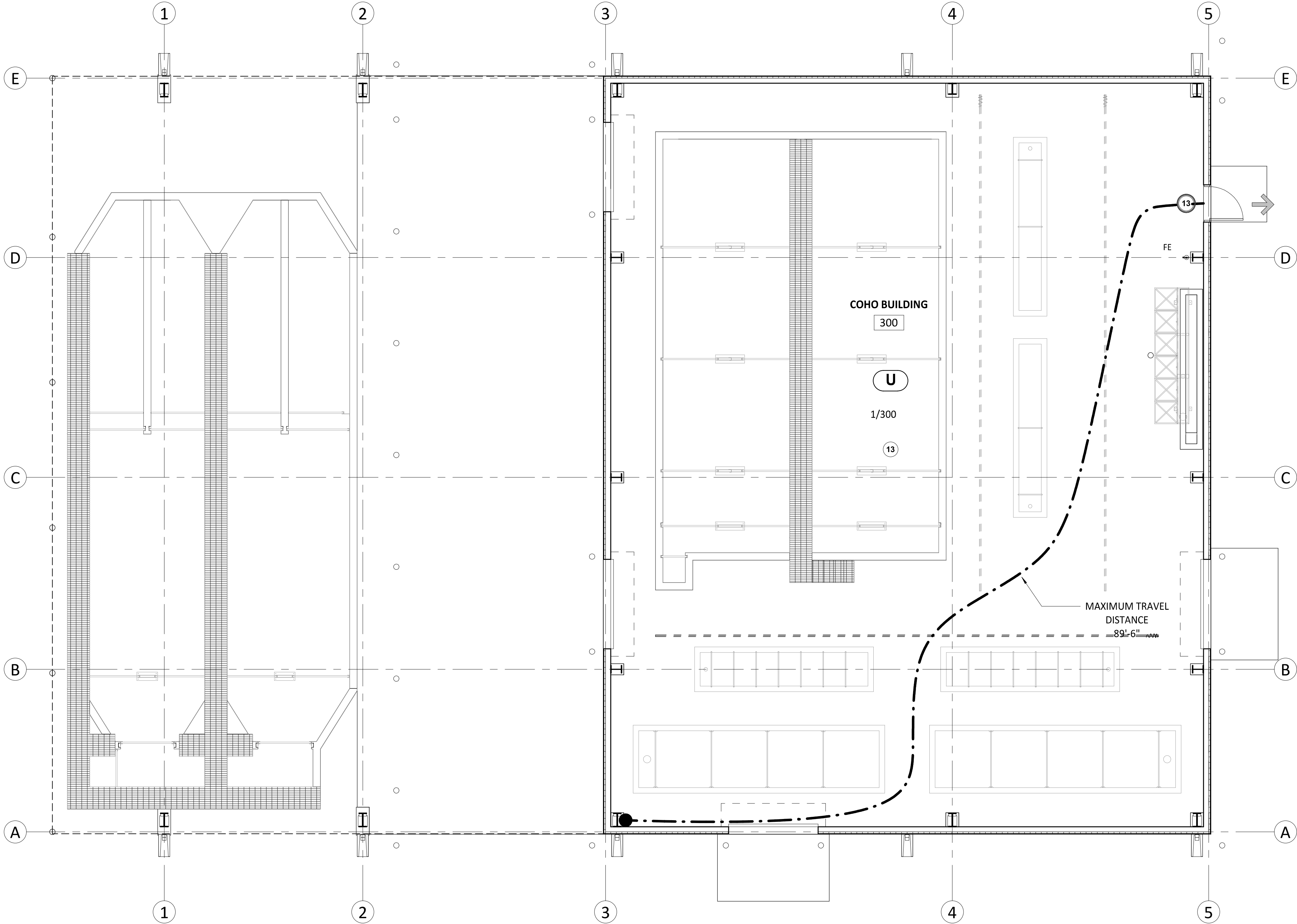
WARNING

0 1/2 1

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

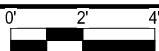


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| KLAMATH RIVER RENEWAL CORPORATION | | DESIGNED <u>A. LEMAN</u> | DRAWING C631 |
| FALL CREEK FISH HATCHERY | | DRAWN <u>J. LAHMOM</u> | |
| FISH LADDER DETAILS | | CHECKED <u>V. AUTIER</u> | |
| | | PROJECT DATE <u>10/28/20</u> | |



COHO BUILDING CODE PLAN

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



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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

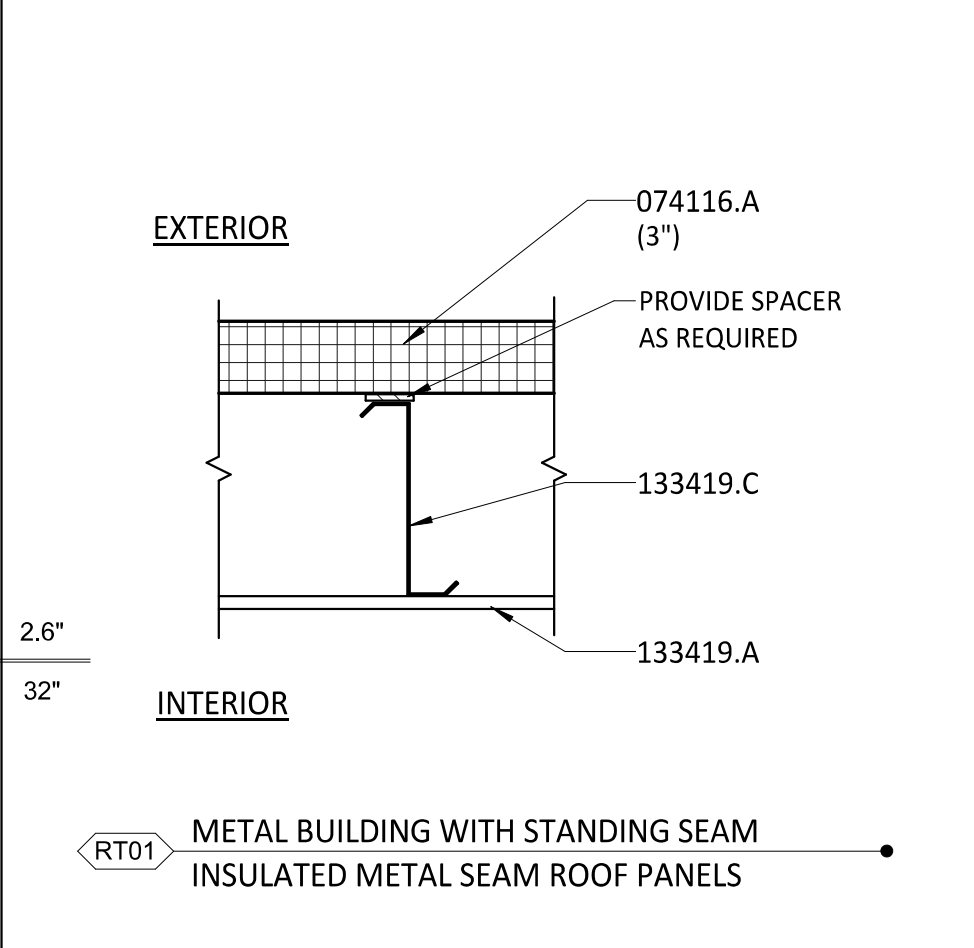
0 1/2 1

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

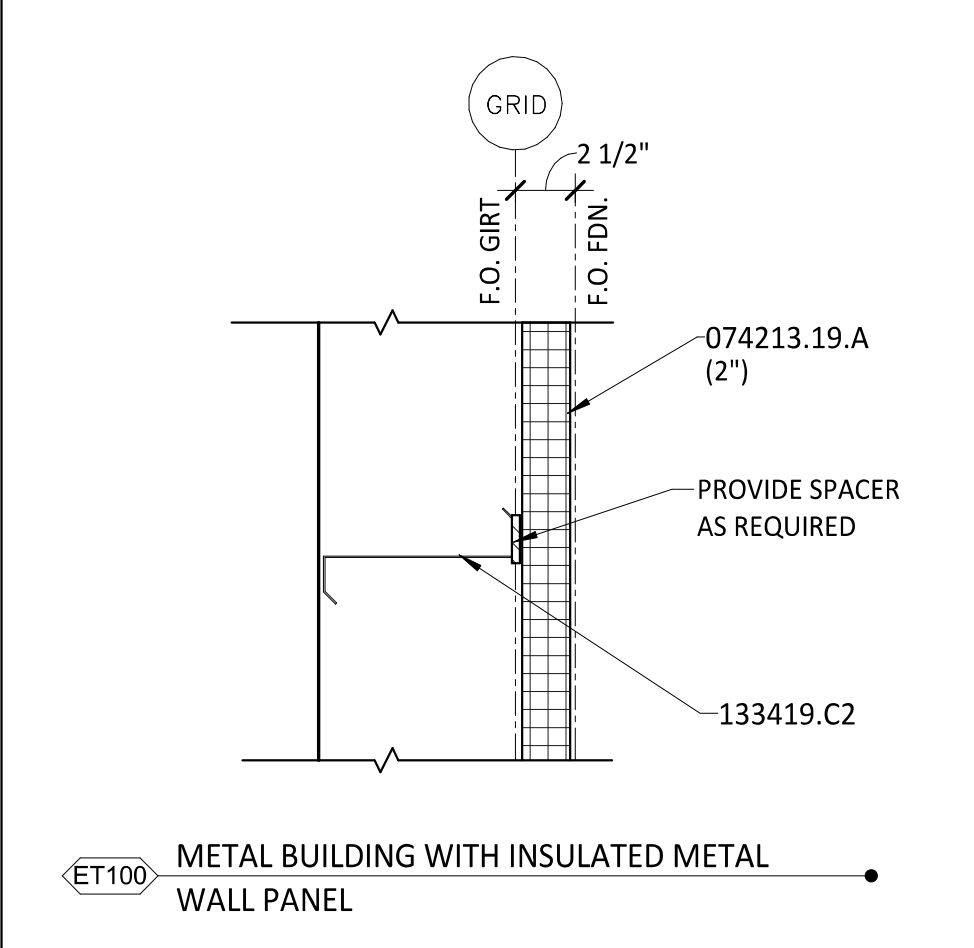


| | | |
|---|----------------------|----------------------------|
| KLAMATH RIVER RENEWAL CORPORATION FALL CREEK FISH HATCHERY COHO BUILDING CODE PLAN AND ASSEMBLY TYPES | DESIGNED _____ IS | DRAWING A300 |
| | DRAWN _____ IS | |
| | CHECKED _____ MH | |
| | ISSUED DATE 10/28/20 | |

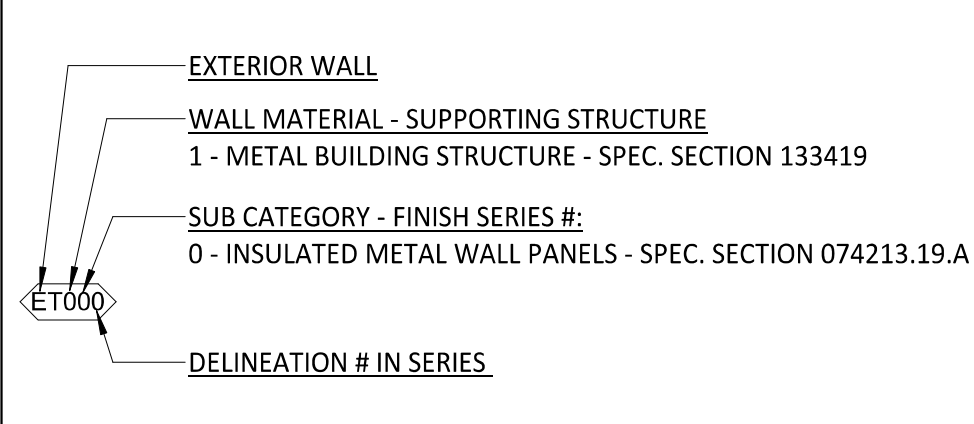
ROOF TYPES



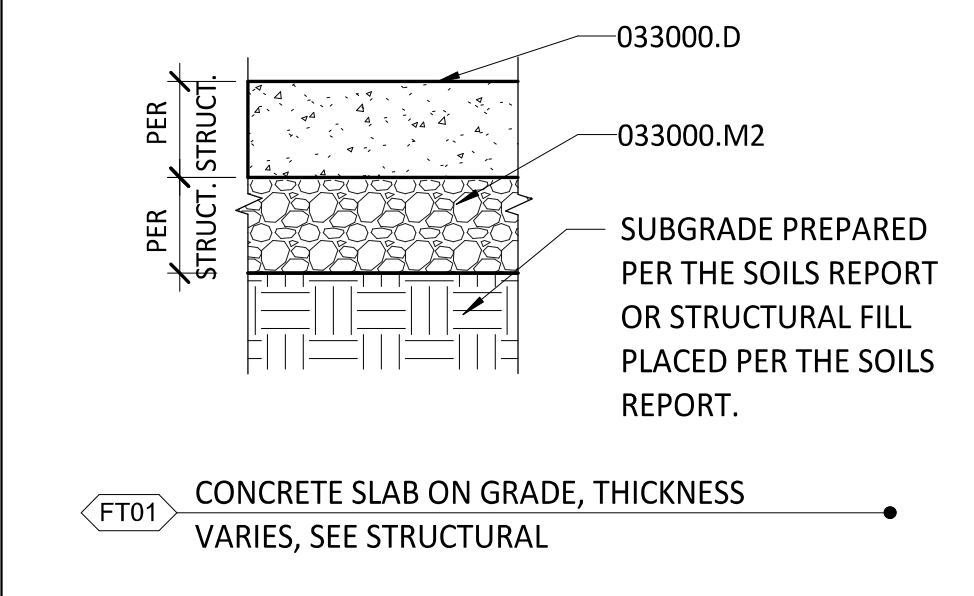
EXTERIOR WALL TYPES



EXTERIOR WALL TYPE LEGEND



FLOOR TYPES



CODE ANALYSIS

- 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
- 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.

COMMON 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

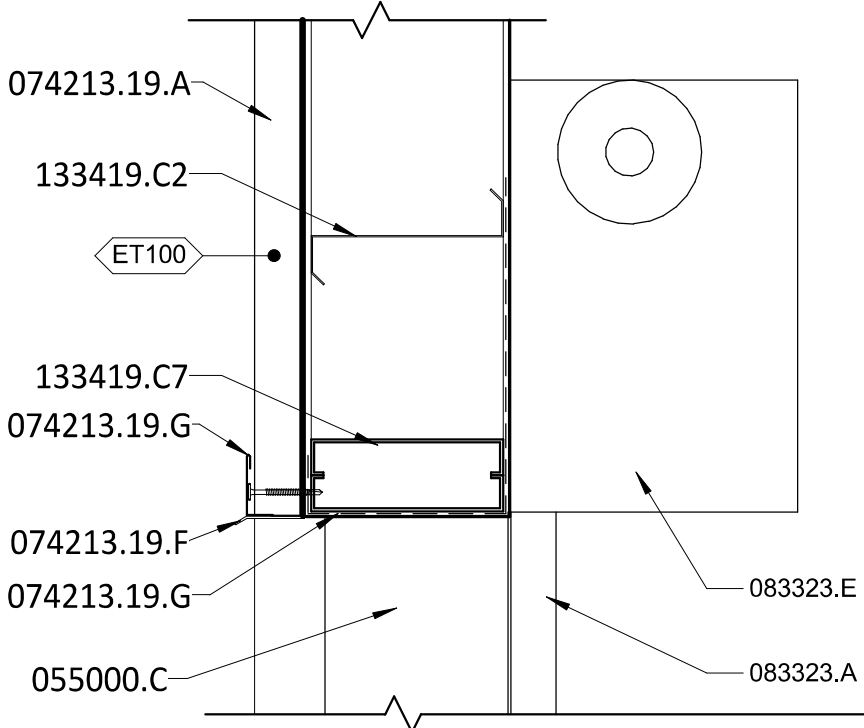
FIRE RESISTIVE REQUIREMENTS OF EXTERIOR WALLS (TABLE 602):
ALL EXTERIOR WALLS HAVE FIRE SEPARATION DISTANCE GREATER THAN 10 FEET, THEREFORE ARE NOT REQUIRED TO BE RATED.

LEGEND

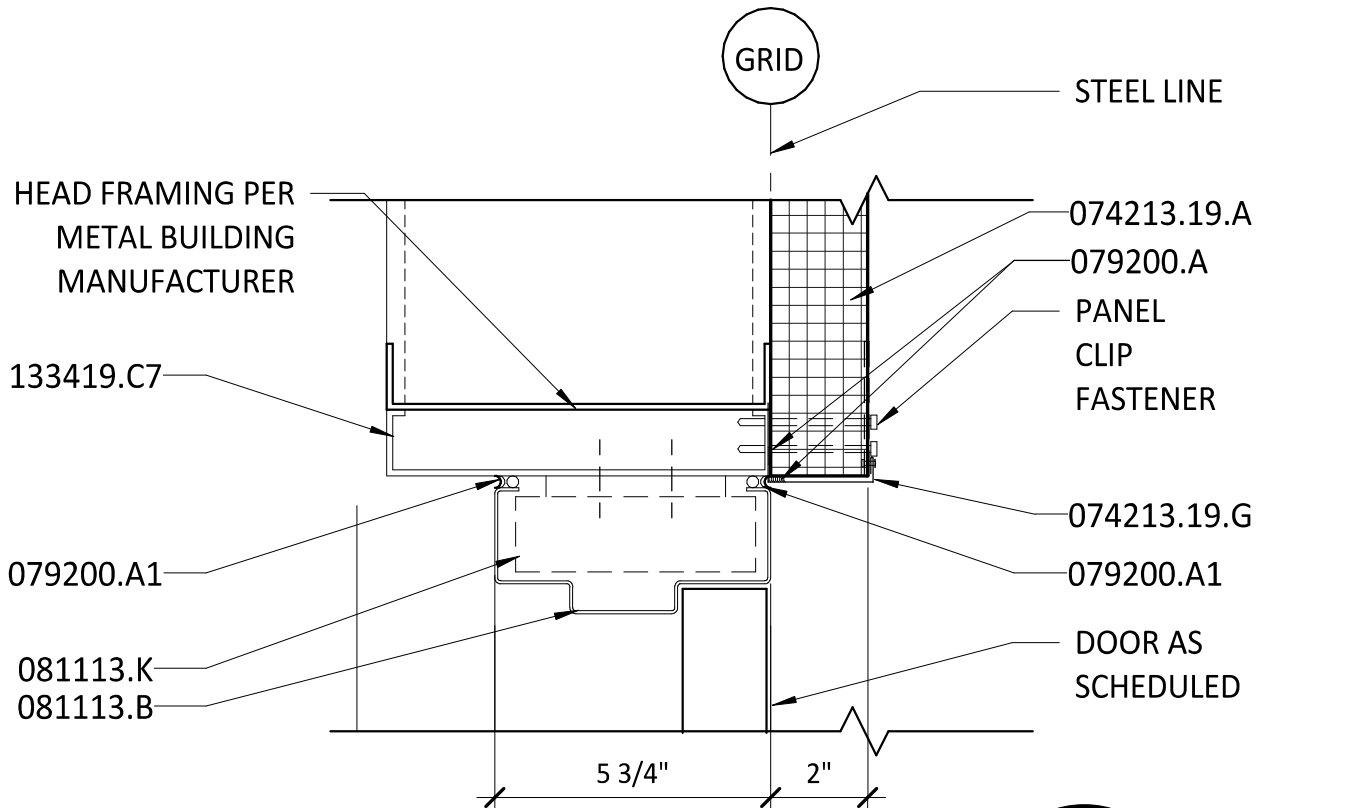
- ROOM NAME
- 101 ROOM NAME AND NUMBER
- U AREA OCCUPANCY
- # TOTAL OCCUPANT LOAD IN ROOM (AS PER TITLE 24, PART 2, TABLE 1004.5)
- # TOTAL OCCUPANT LOAD EXITING FROM BUILDING / OCCUPANCY
- ➔ REQUIRED BUILDING EGRESS WITH LOAD AND MINIMUM WIDTH
- X" REQUIRED EXIT WIDTH (AS PER TITLE 24, PART 2, TABLE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

CONDOC

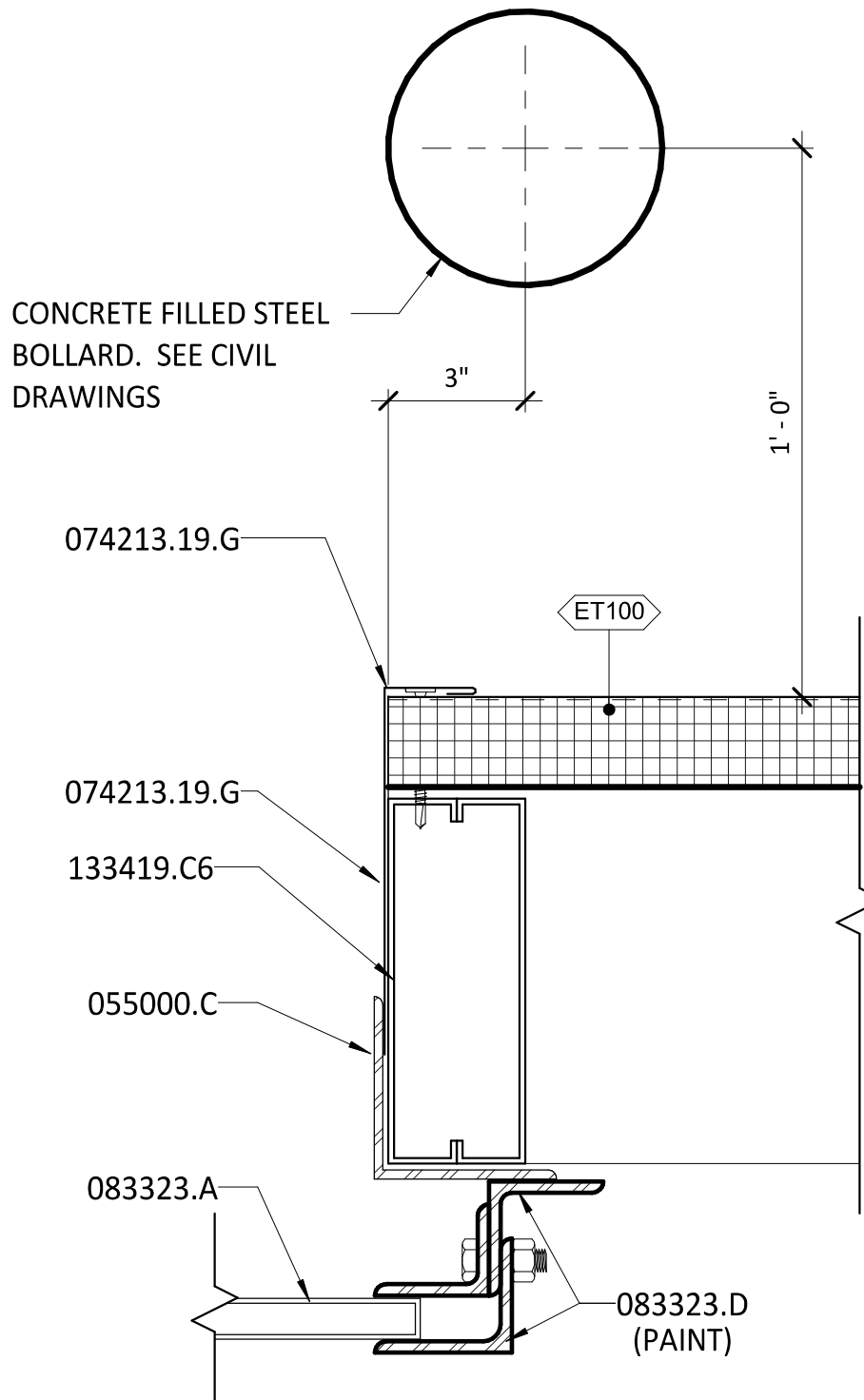
| | |
|-------------|---|
| 033000.D | CONCRETE SLAB-ON-GRADE, SEE STRUCTURAL. |
| 033000.M2 | GRANULAR FILL. |
| 074116.A | INSULATED-CORE METAL ROOF PANEL. |
| 074213.19.A | INSULATED METAL WALL PANELS. |
| 133419.A | METAL BUILDING PRIMARY-FRAME. |
| 133419.C | PURLIN. |
| 133419.C2 | WALL GIRTS.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



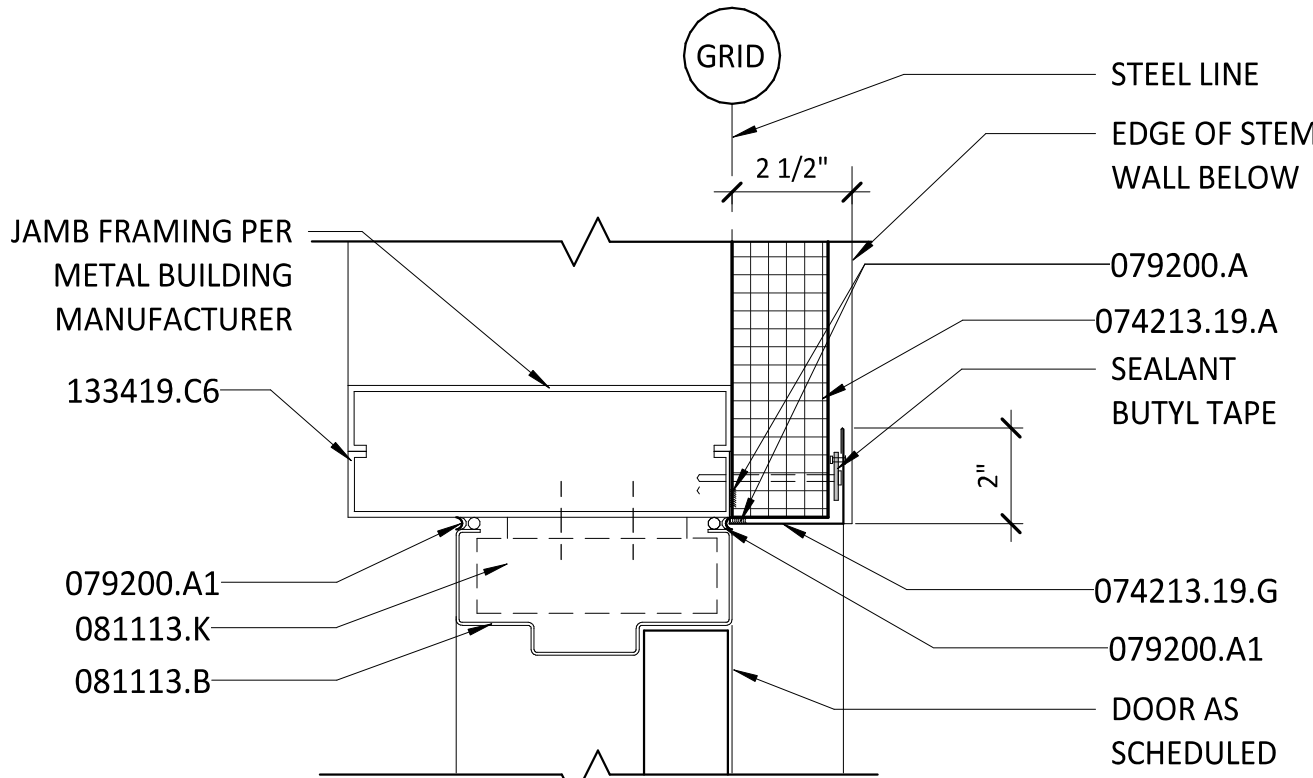
COILING DOOR HEAD
SCALE: 1 1/2" = 1'-0"



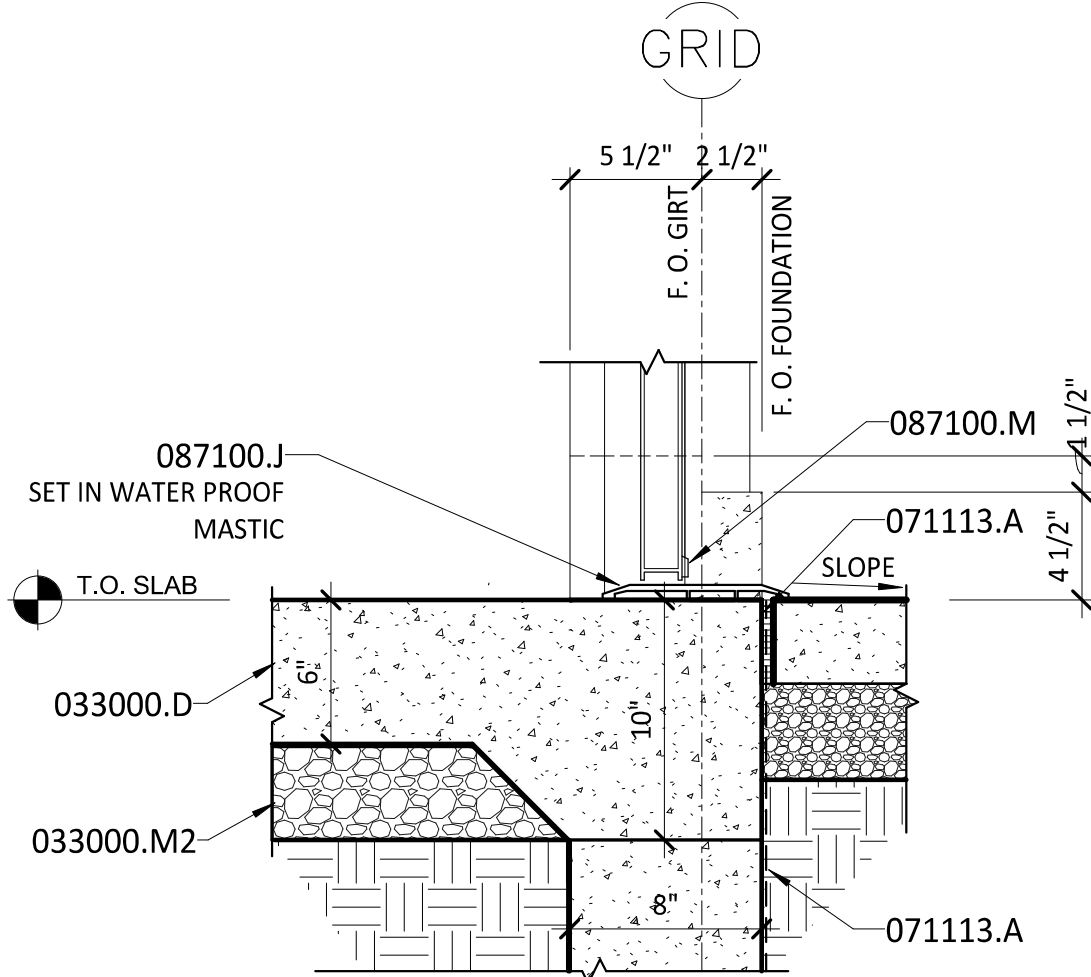
DOOR HEAD DETAIL
SCALE: 3" = 1'-0"



COILING DOOR JAMB
SCALE: 3" = 1'-0"



DOOR JAMB DETAIL
SCALE: 3" = 1'-0"



DOOR SILL DETAIL
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. | | | |
| | WIDTH | HEIGHT | | | | | | | | HEAD | JAMB | SILL | 9. Remarks |
| | | | | | | | | | | | | | |
| 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. |

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

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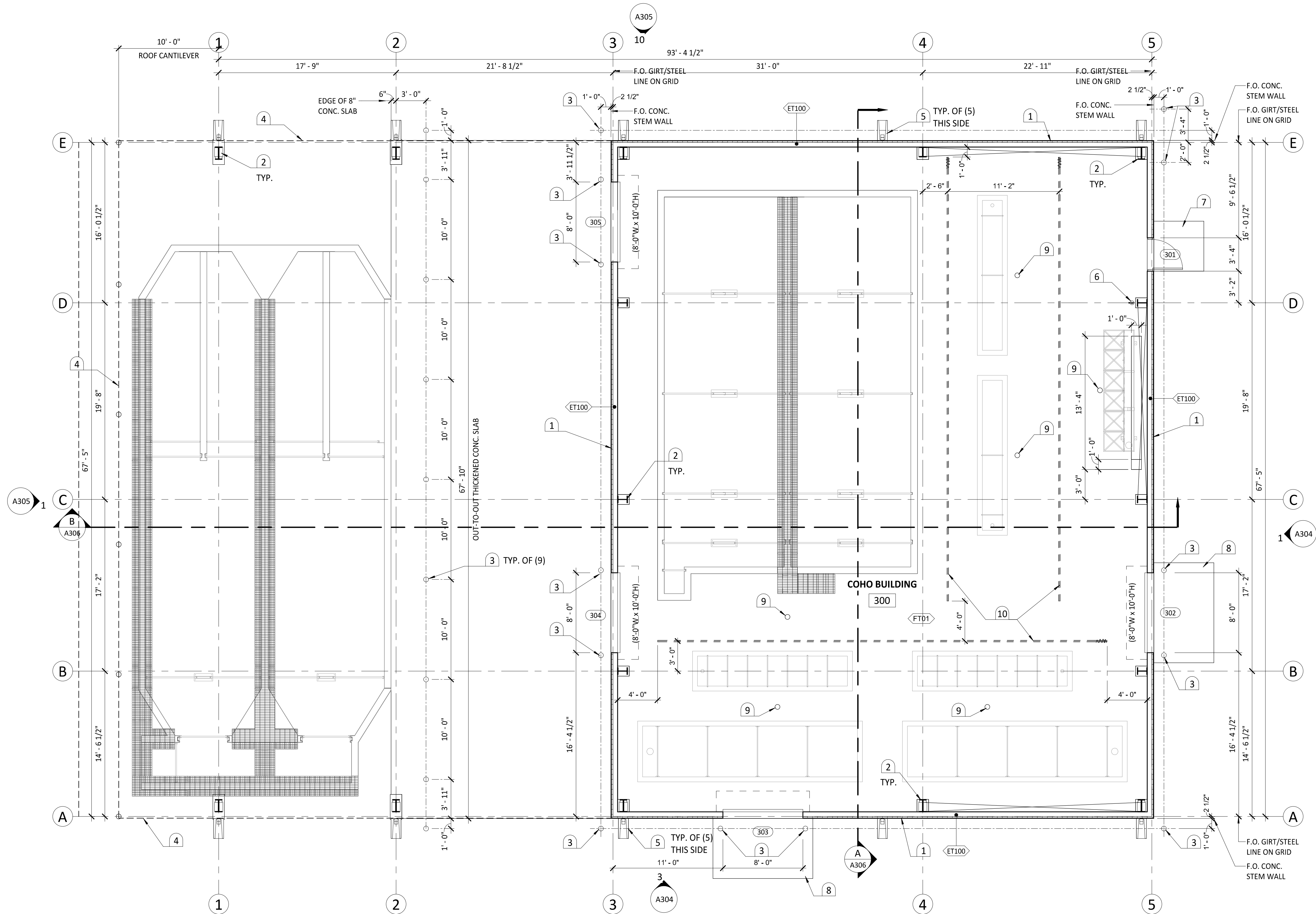
WARNING

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



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| KLAMATH RIVER RENEWAL CORPORATION | |
| FALL CREEK FISH HATCHERY | |
| COHO BUILDING DOOR SCHEDULE AND DETAILS | |

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| DESIGNED _____ IS | DRAWING A301 |
| DRAWN _____ IS | |
| CHECKED _____ MH | |
| ISSUED DATE _____ 10/28/20 | |



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 ADDITIONAL 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

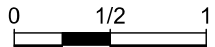
1. EXTERIOR DIMENSIONS ARE TO GRID/PRE-ENGINEERED METAL BUILDING "STEEL LINE". SEE BUILDING SECTIONS AND DETAILS FOR RELATIONSHIP OF FRAMING/FINISHES TO FACE OF FOUNDATION.
2. EXTERIOR SLABS AND FINISH GRADES TO SLOPE AWAY FROM BUILDING AT 1/8" PER FOOT MINIMUM.
3. SEE CIVIL DRAWINGS FOR RELATIONSHIP 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 CONFLICT EXISTS.

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WARNING



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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

CONDOC

074116.A

074116.G

077253.A

079200.A1

086200.A

INSULATED-CORE METAL ROOF PANEL.

GUTTER.

SNOW GUARD.

SEALANT OVER BACKER ROD.

UNIT SKYLIGHT.

ROOF PLAN NOTES

1.

2.

3.

4.

5.

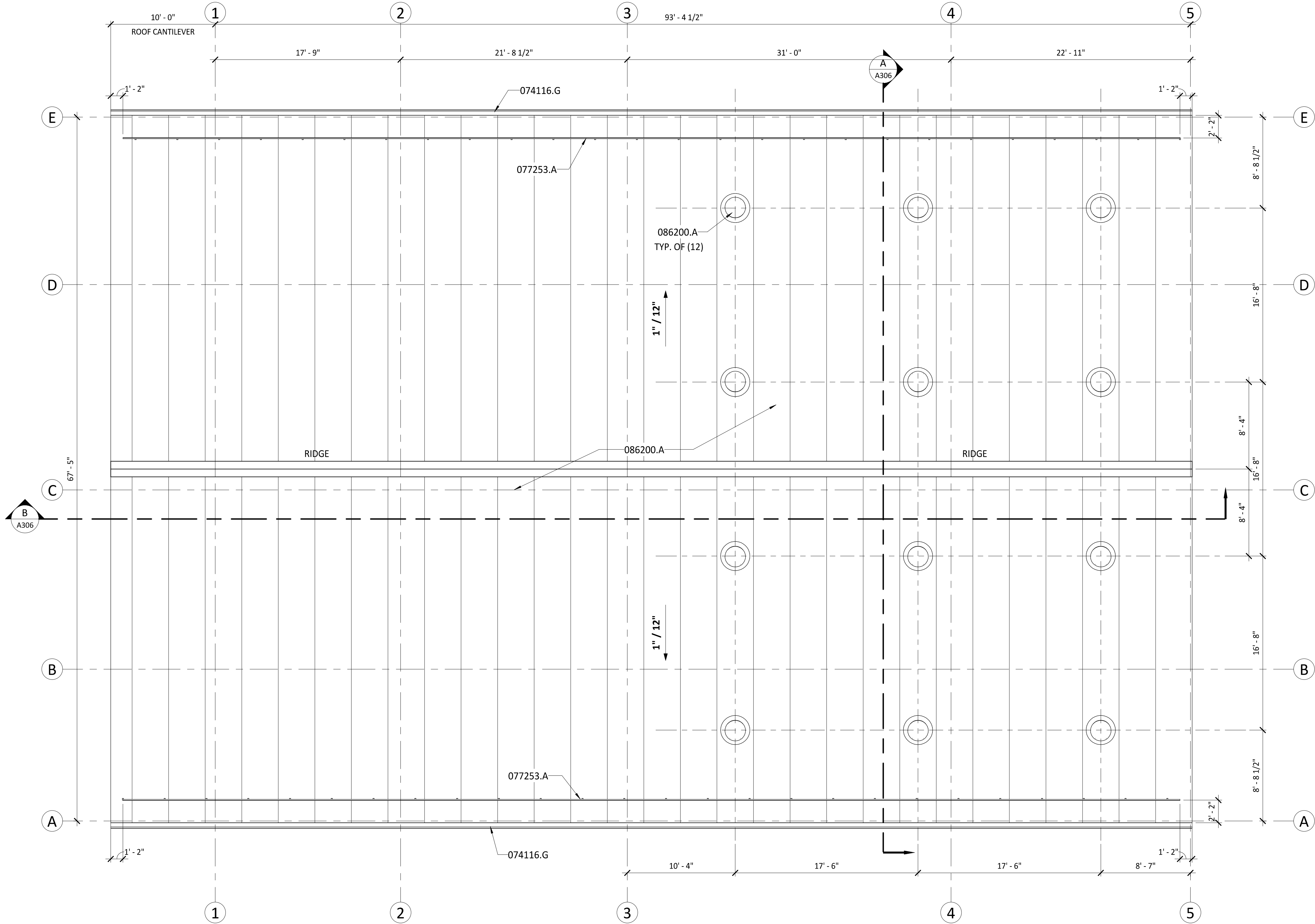
PROVIDE WATER TIGHT SEAL AROUND ALL ROOFTOP EQUIPMENT AND PENETRATIONS, INCLUDING THOSE NOT SHOWN HERE. REFER TO MECHANICAL DRAWINGS FOR EQUIPMENT NOT SHOWN HERE.

SEE STRUCTURAL PLANS FOR ROOF FRAMING AND MODIFICATIONS.

DO NOT INSTALL ROOF PENETRATIONS THROUGH STANDING SEAMS OF METAL ROOF. INSTALL PENETRATIONS THROUGH FLAT ROOF PAN. SEE ROOF PENETRATION DETAIL 2/A303.

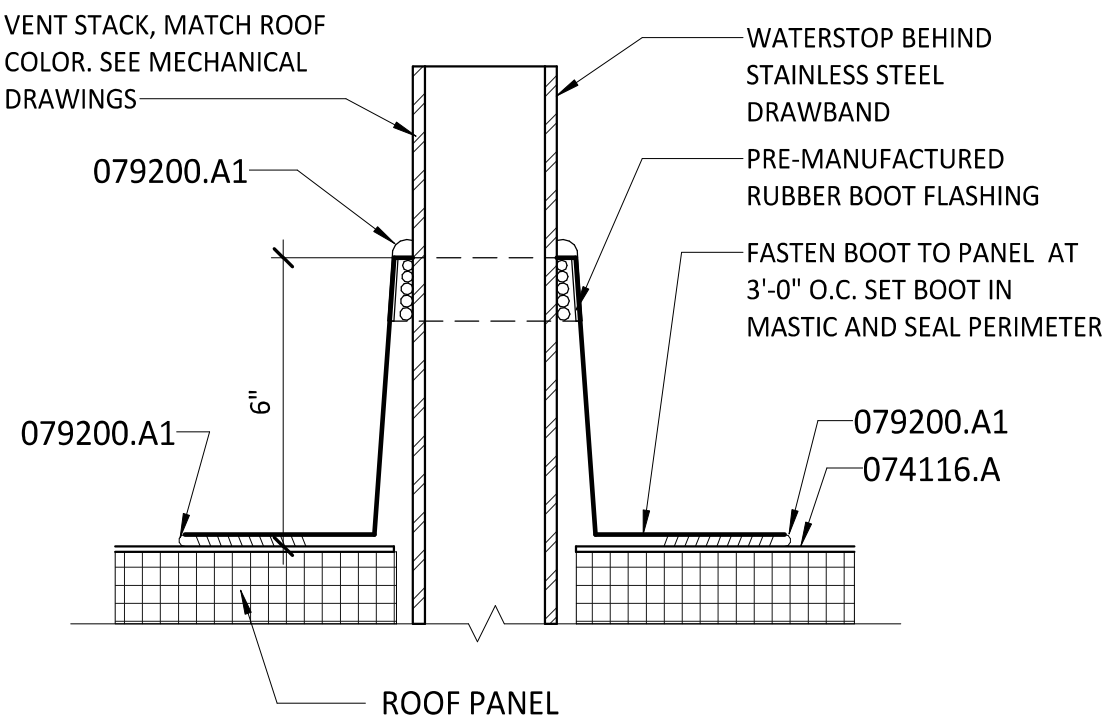
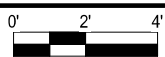
METAL ROOF PANEL CONNECTIONS TO REFLECT A FIXED EAVE AND FLOATING RIDGE CONDITION. CLIP CONNECTIONS TO ALLOW EXPANSION AND CONTRACTION OF STANDING SEAM PANEL PER MANUFACTURER'S RECOMMENDATIONS.

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

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

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WARNING

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KLAMATH RIVER RENEWAL CORPORATION
FALL CREEK FISH HATCHERY

COHO BUILDING ROOF PLAN

DESIGNED _____ IS

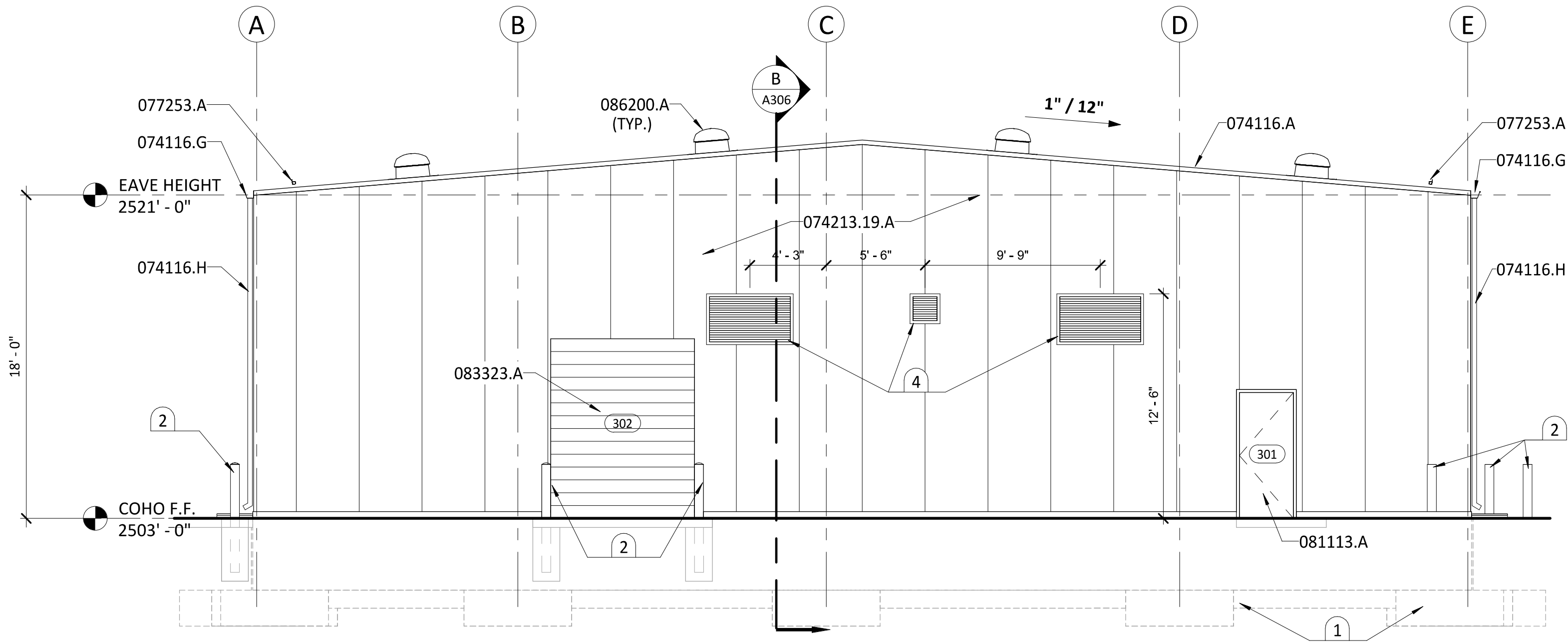
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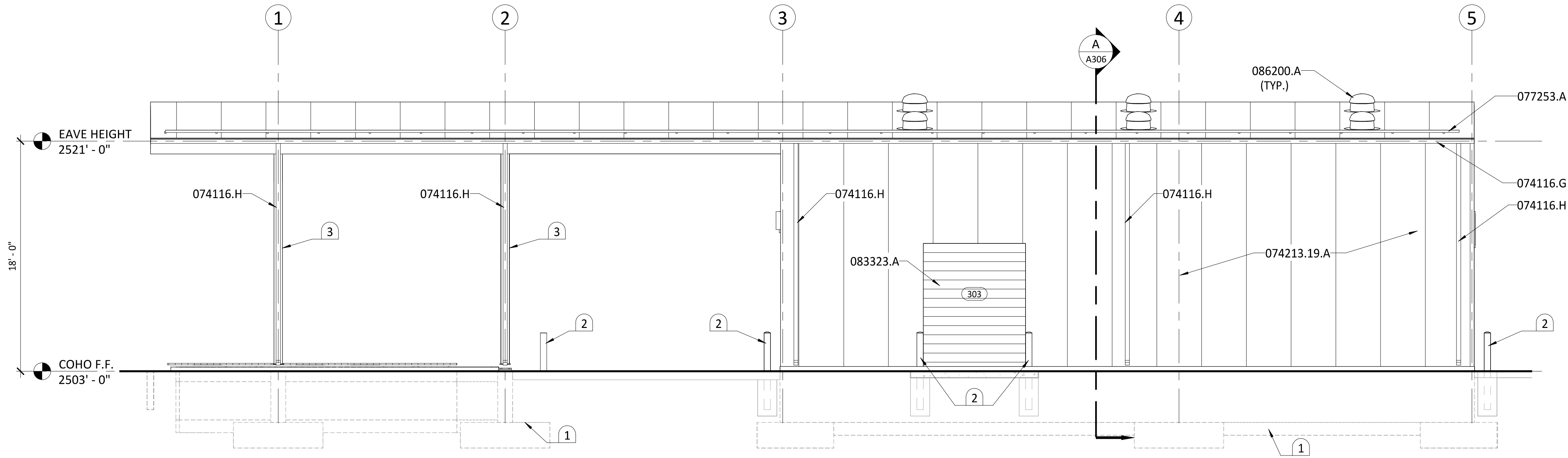
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DRAWING

A303



COHO BUILDING - SOUTHEAST 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.

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



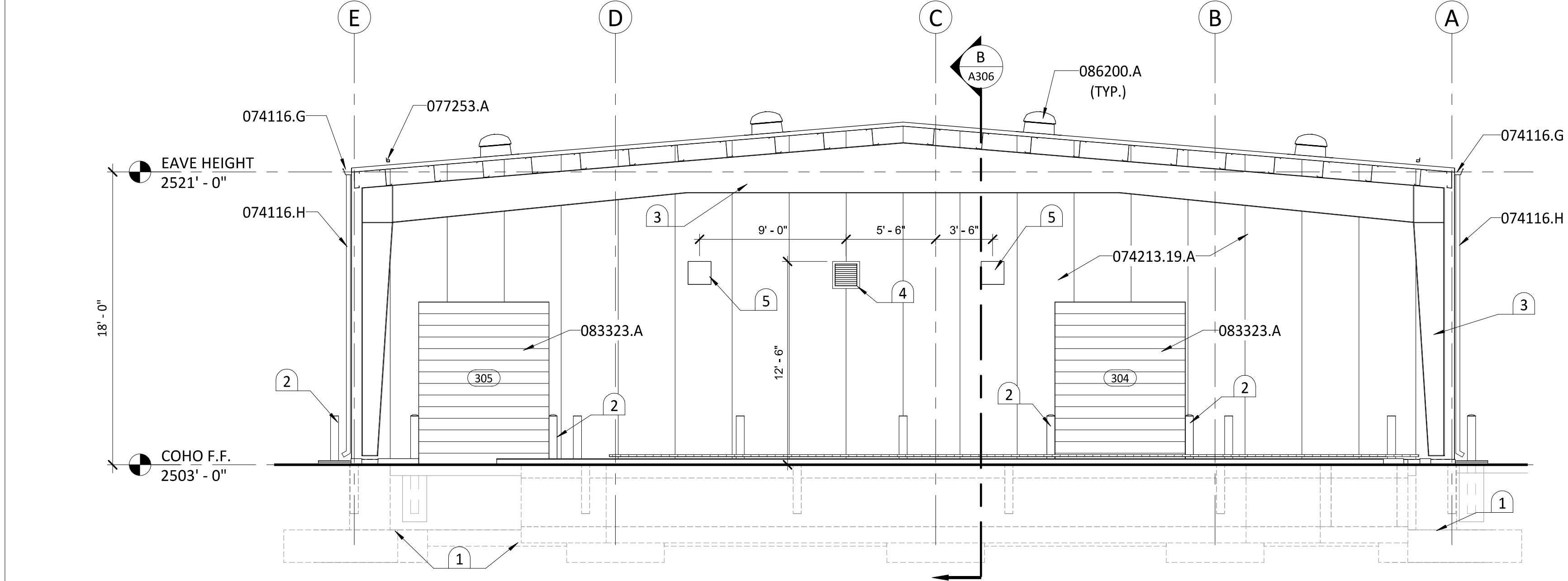
KLAMATH RIVER RENEWAL CORPORATION
FALL CREEK FISH HATCHERY

COHO BUILDING EXTERIOR ELEVATIONS 1

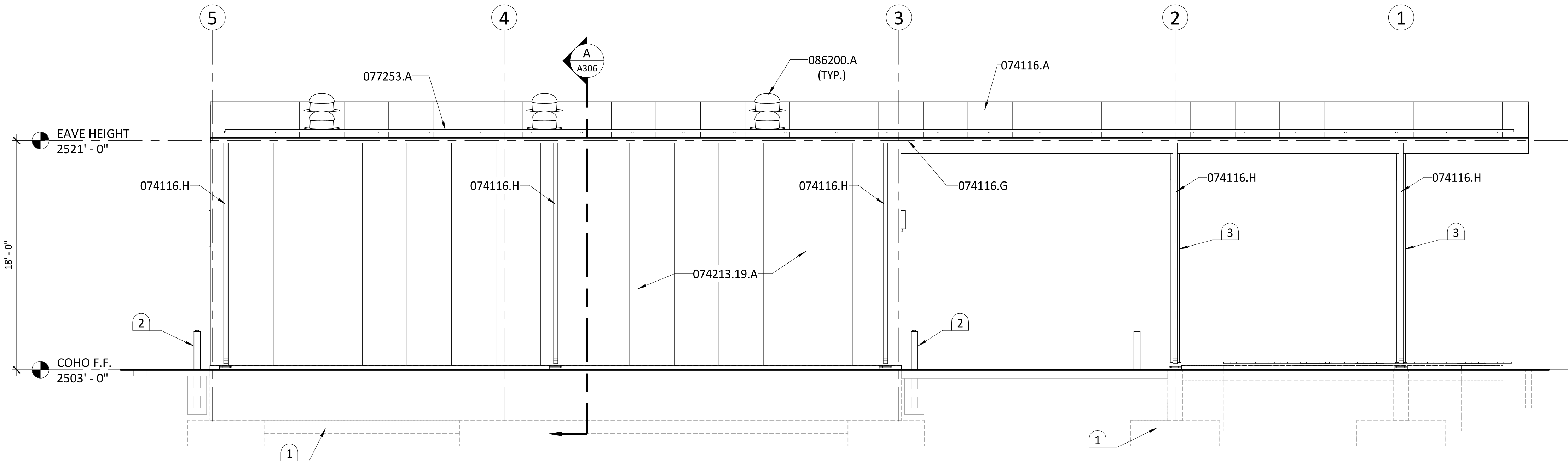
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ISSUED DATE 10/28/20

DRAWING

A304



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. |

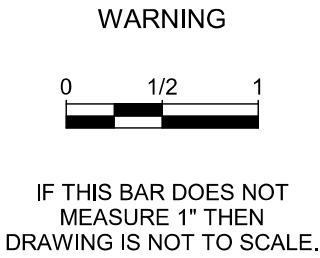
| # | KEYNOTES |
|----|---|
| 1. | LINE OF FOOTING, SEE STRUCTURAL. |
| 2. | CONCRETE FILLED STEEL BOLLARD (TYP.). NOT ALL BOLLARDS ARE SHOWN FOR CLARITY. SEE A302 FOR LOCATIONS OF ALL BOLLARDS AND SEE CIVIL DRAWINGS FOR INSTALLATION DETAILS. |
| 3. | PRE-ENGINEERED METAL BUILDING STRUCTURE. |
| 4. |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

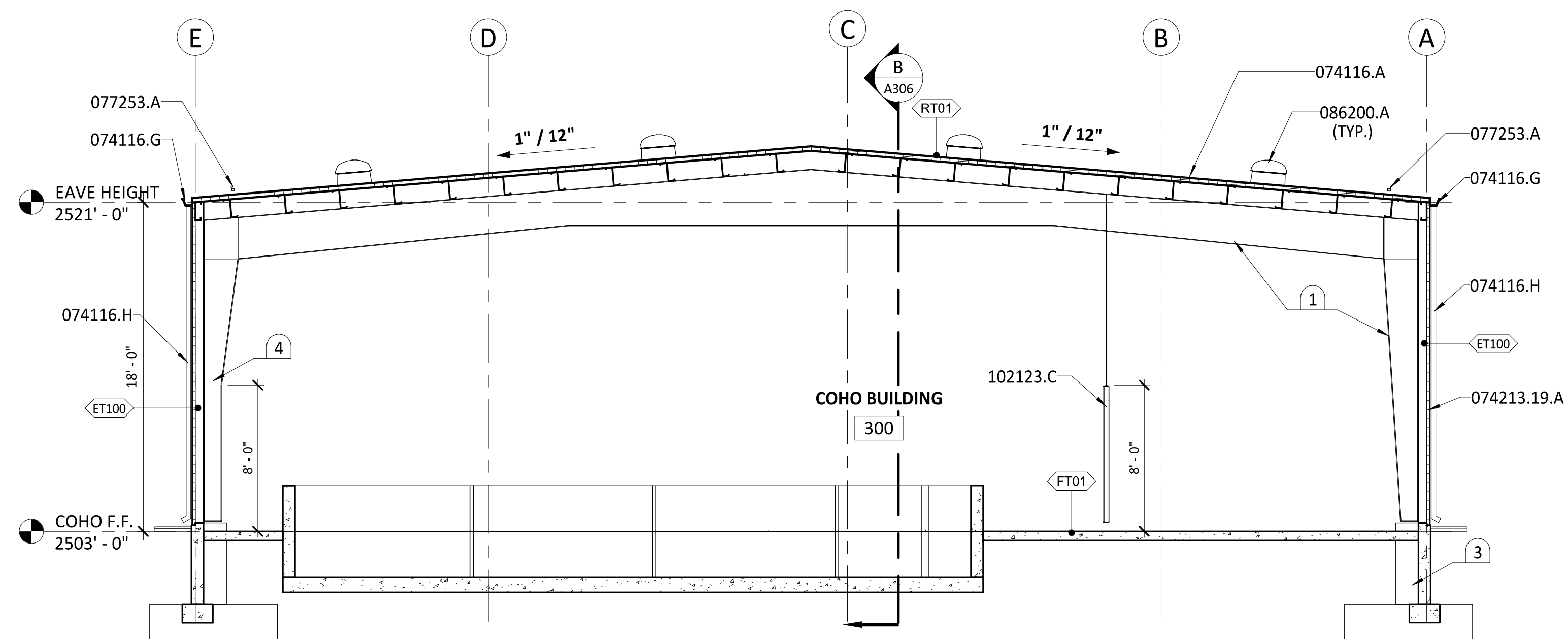
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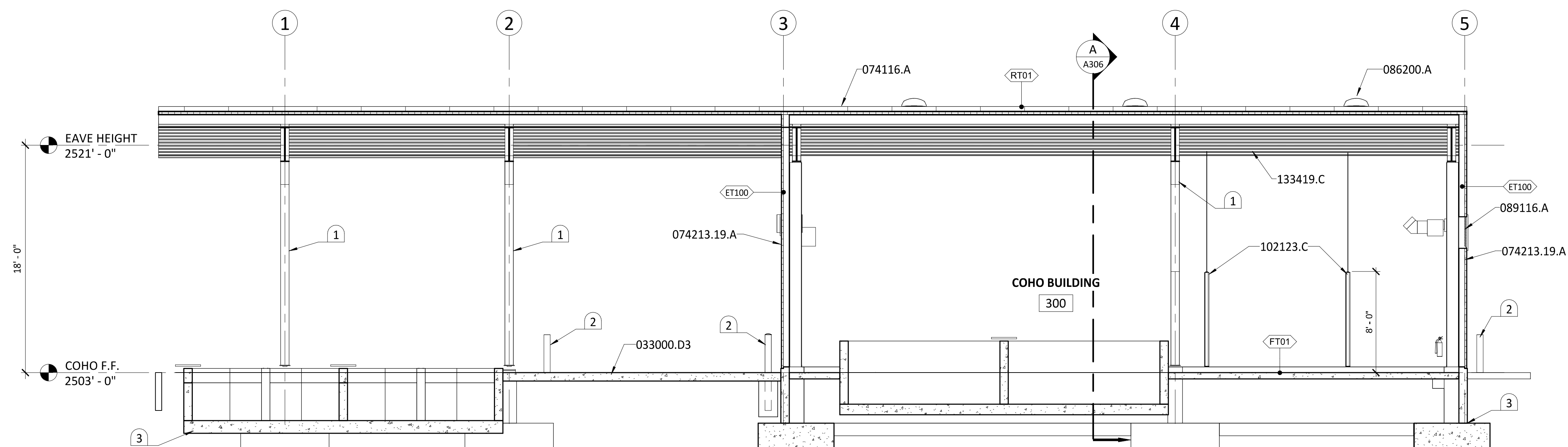


BUILDING SECTION

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

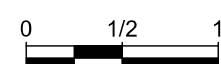
1. PRE-ENGINEERED METAL BUILDING VENDOR TO COORDINATE ALL ROOF PURLIN LOCATIONS TO AVOID CONFLICT WITH UNIT SKYLIGHT LOCATIONS.

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

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WARNING



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DRAWING IS NOT TO SCALE.



KLAMATH RIVER RENEWAL CORPORATION

FALL CREEK FISH HATCHERY

COHO BUILDING SECTIONS 1

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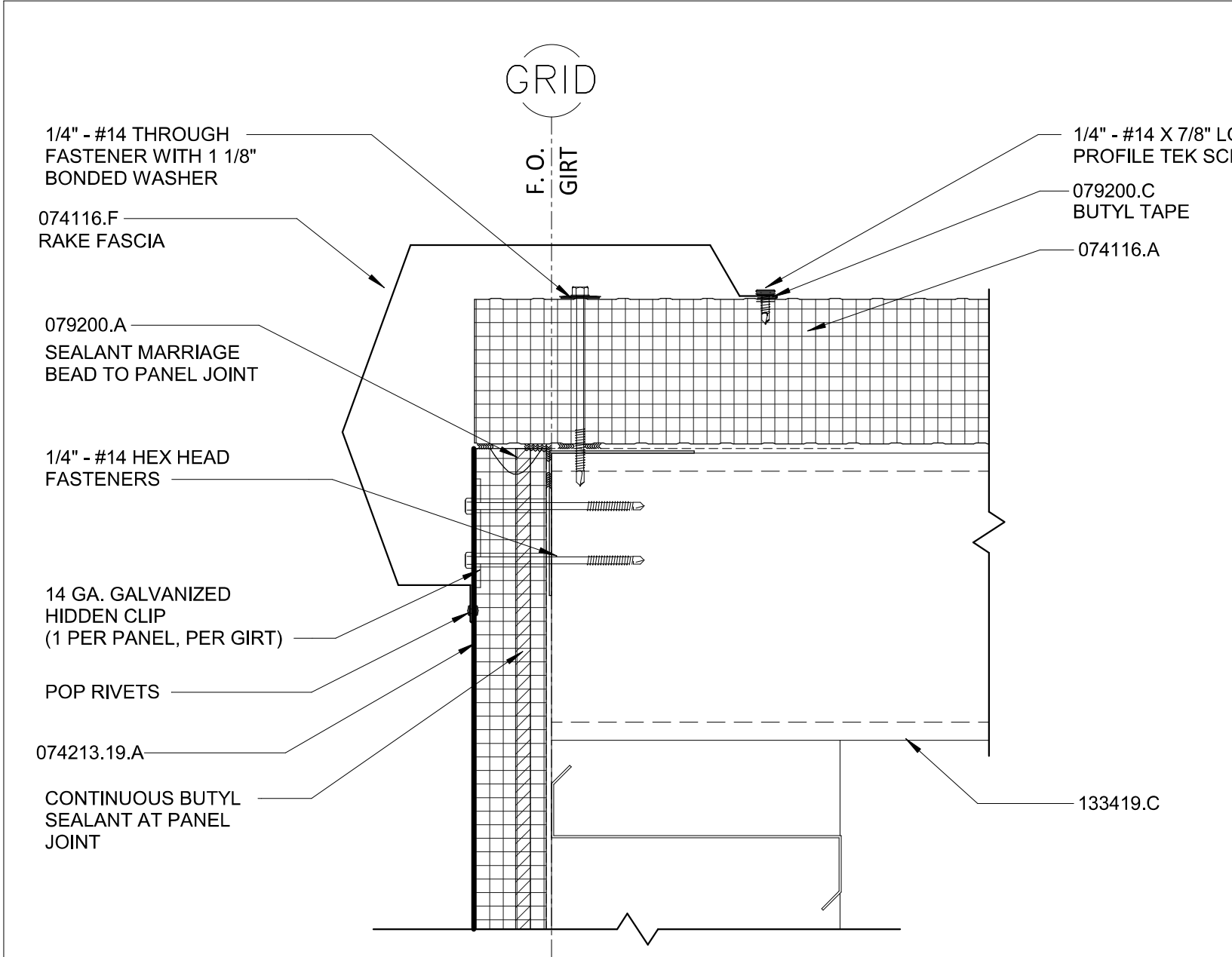
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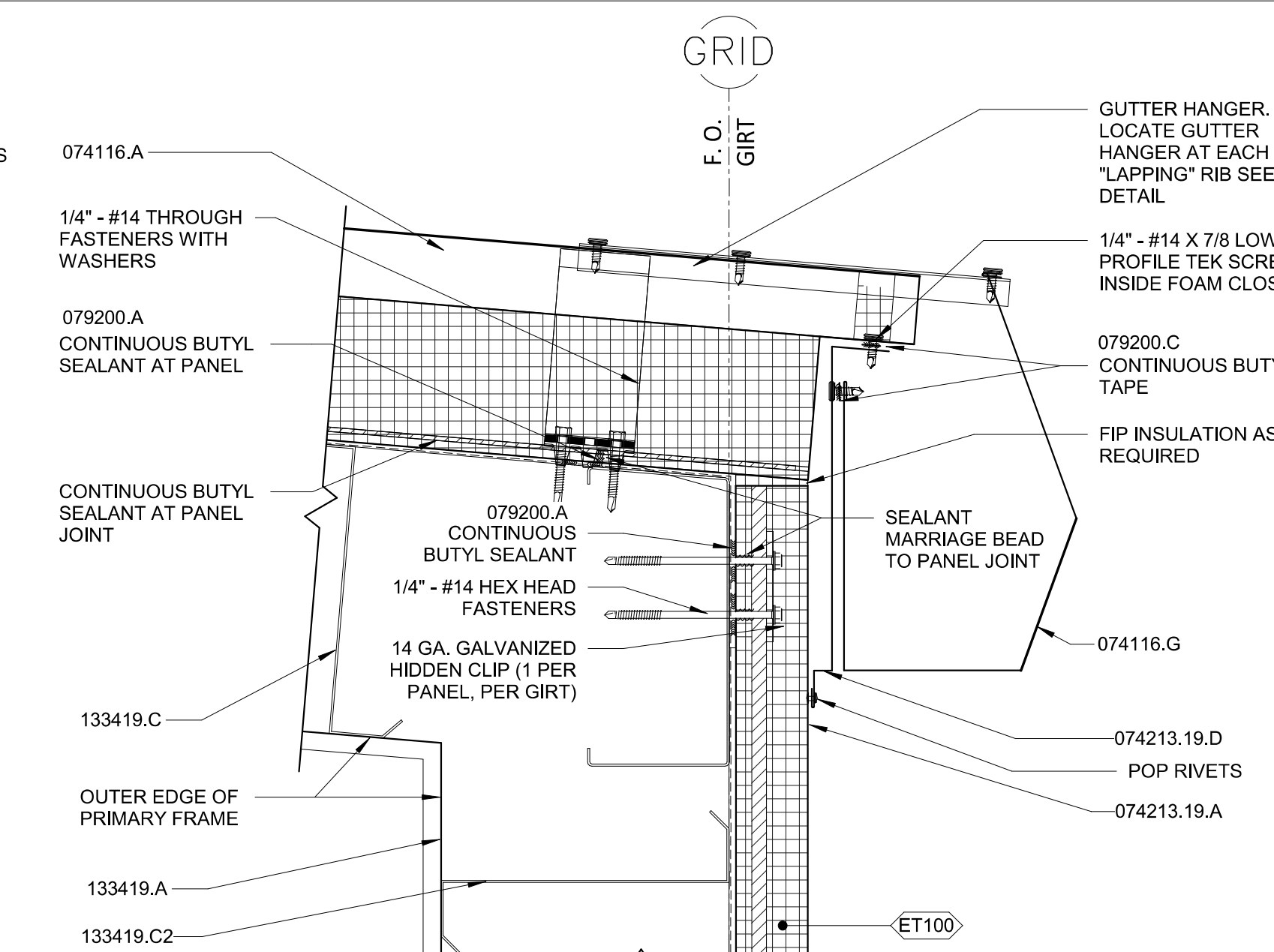
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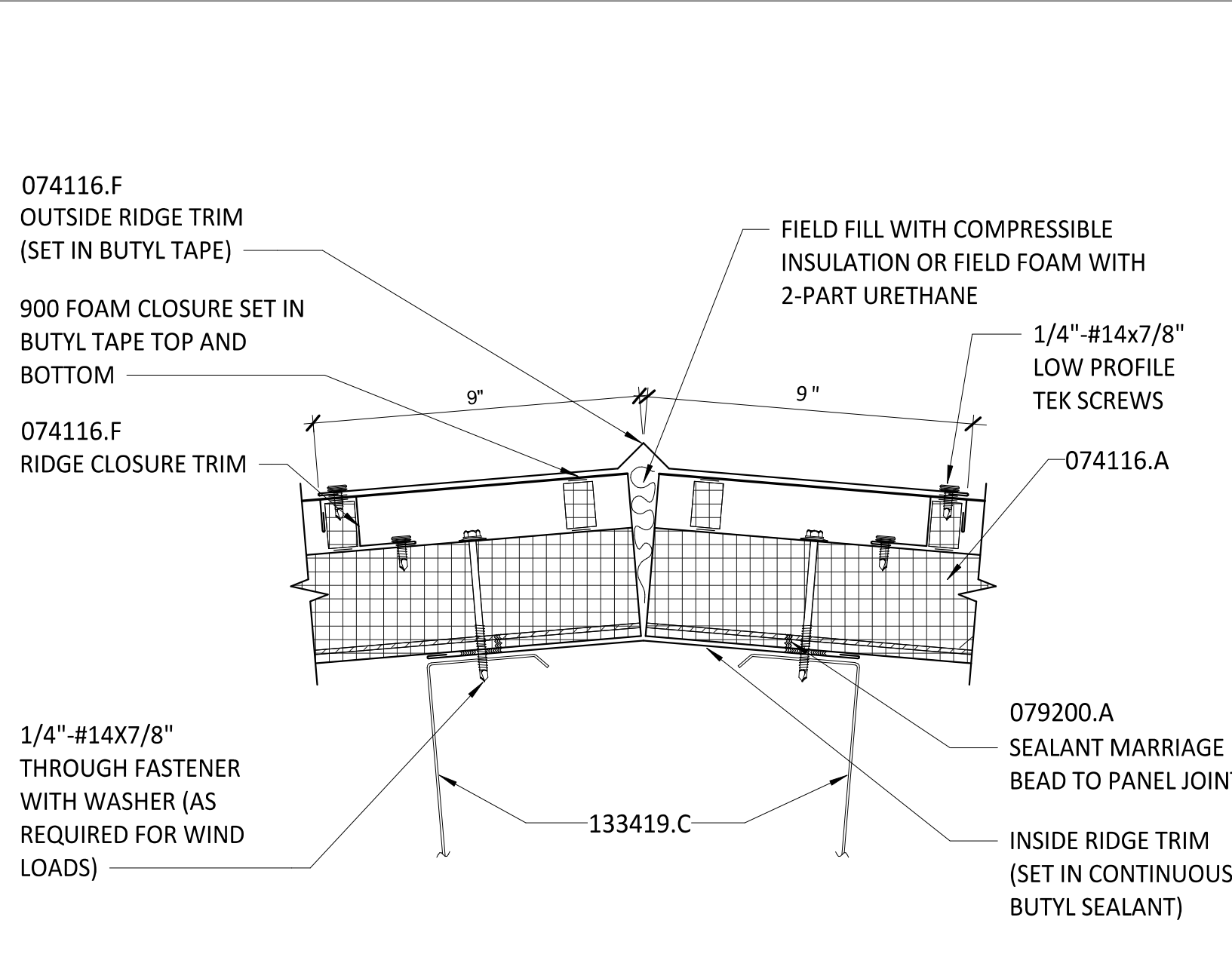
A306



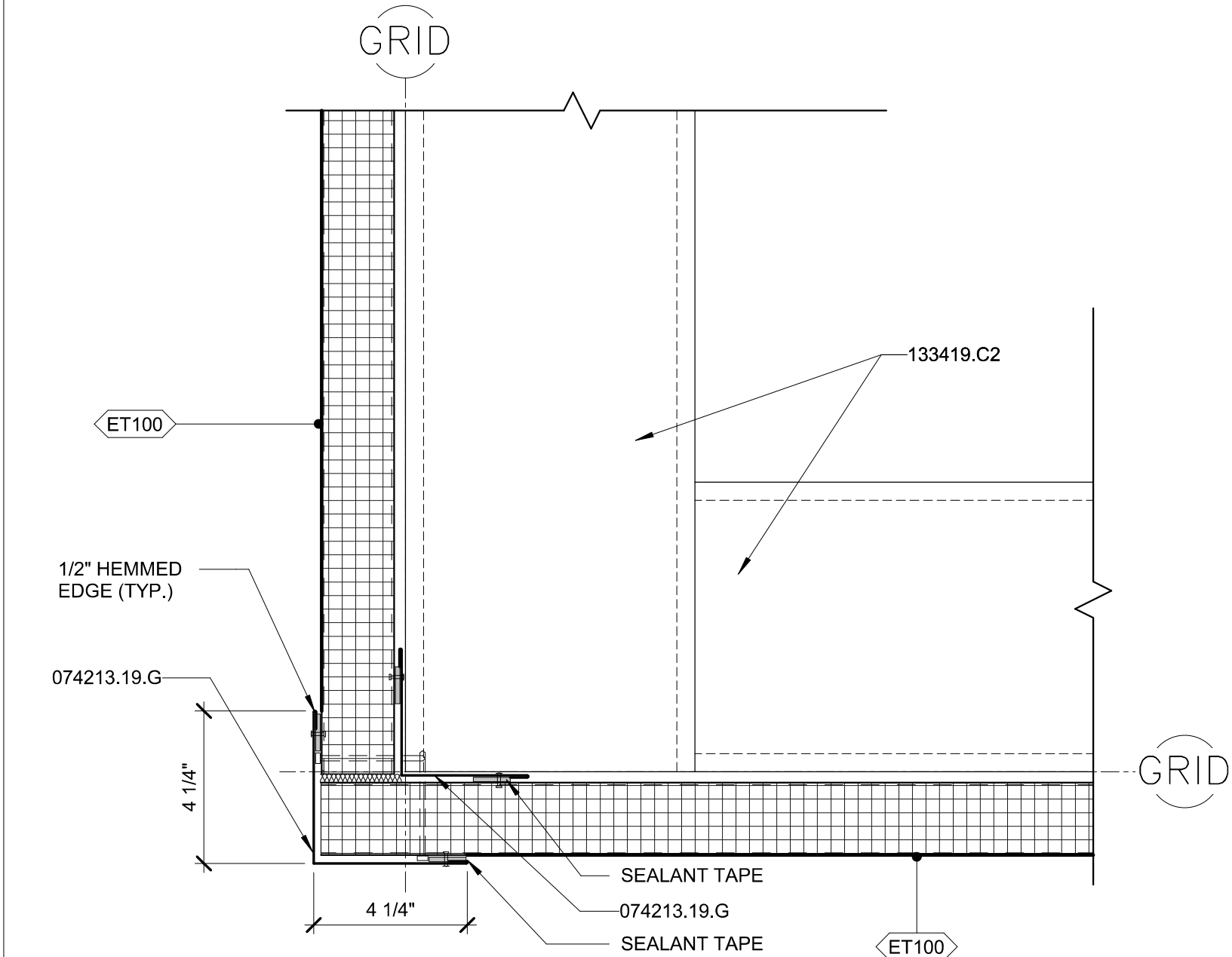
RAKE TRIM
SCALE: 3" = 1'-0"



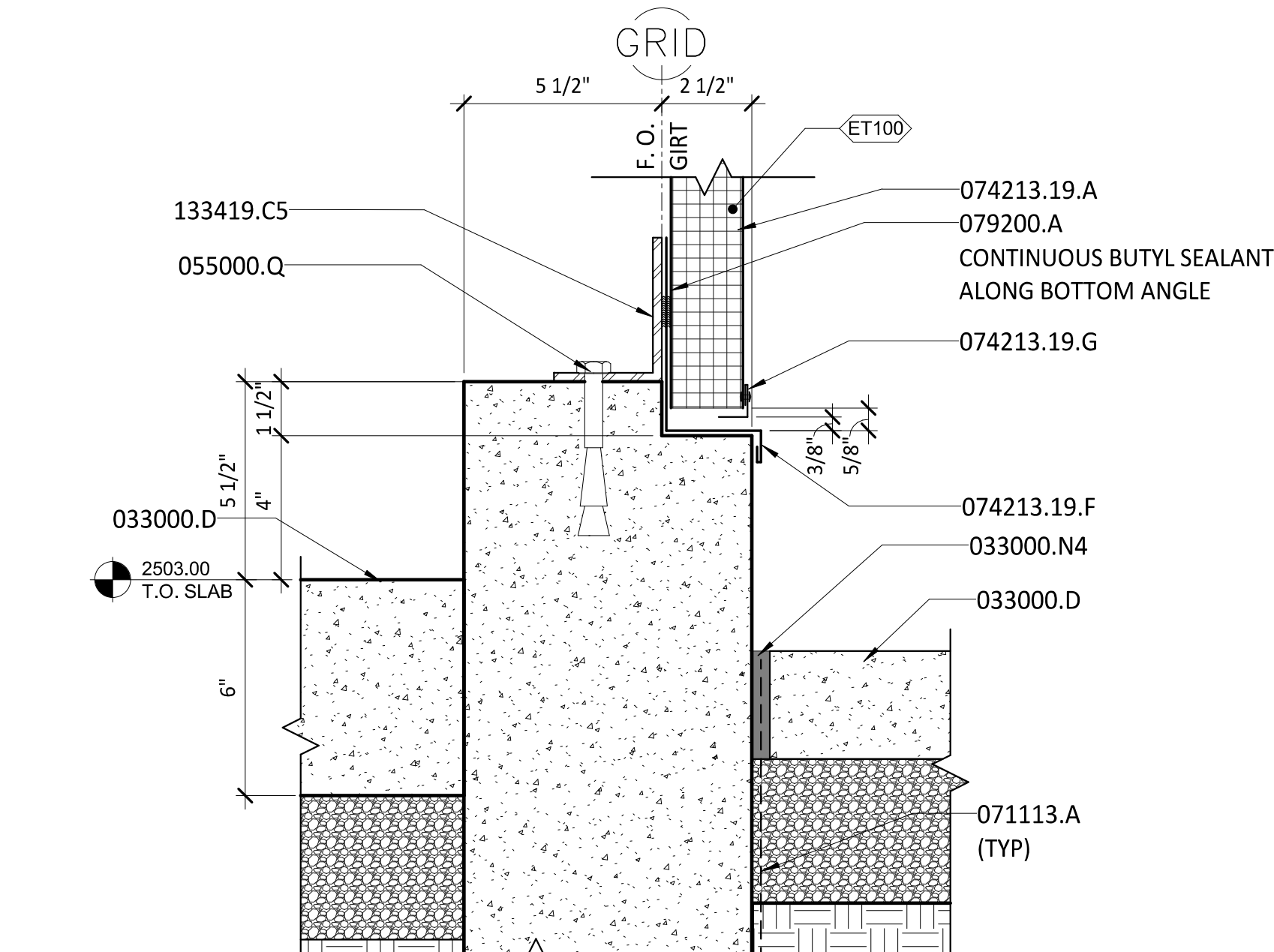
LOW EAVE WITH GUTTER
SCALE: 3" = 1'-0"



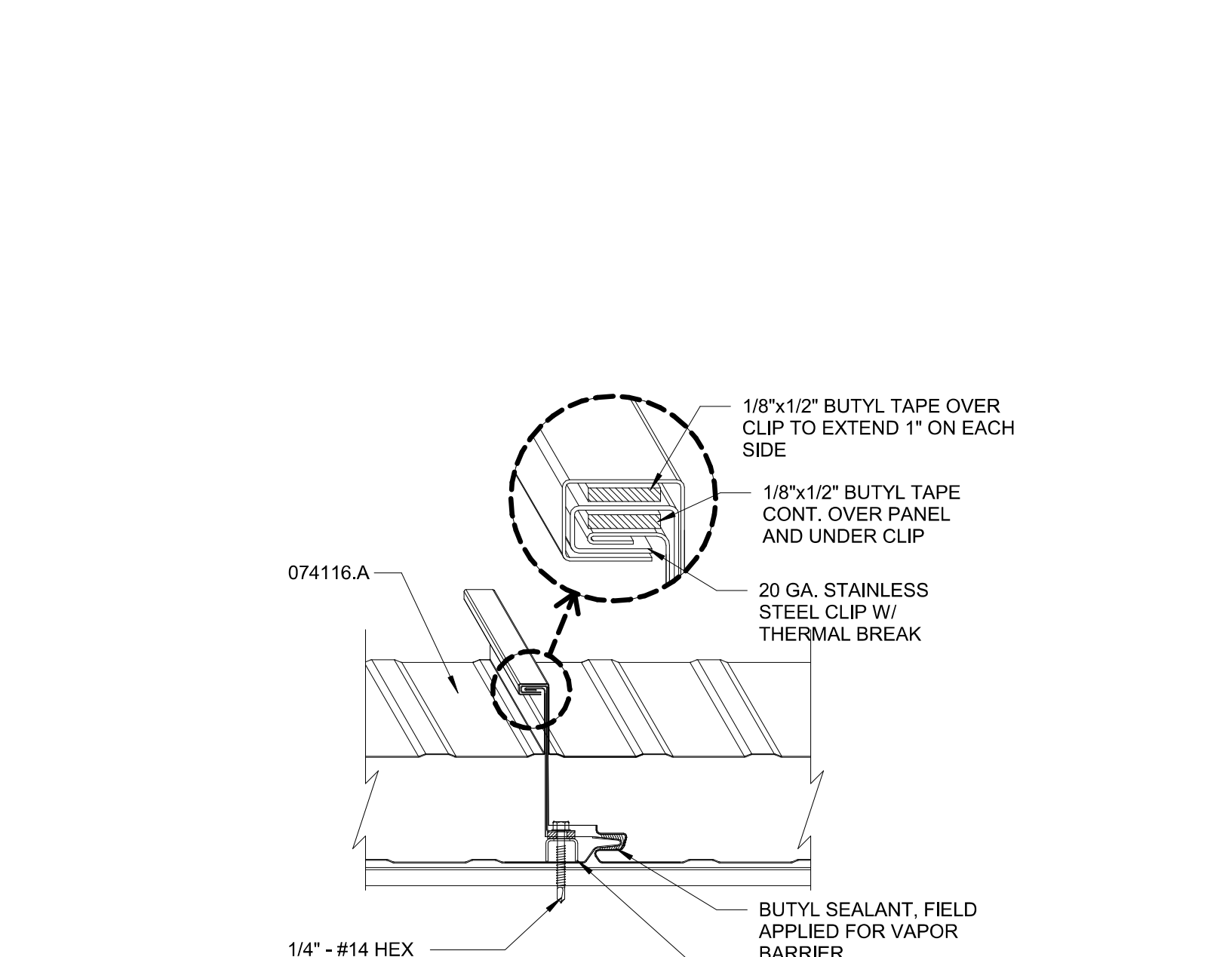
RIDGE
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OUTSIDE CORNER TRIM
SCALE: 3" = 1'-0"

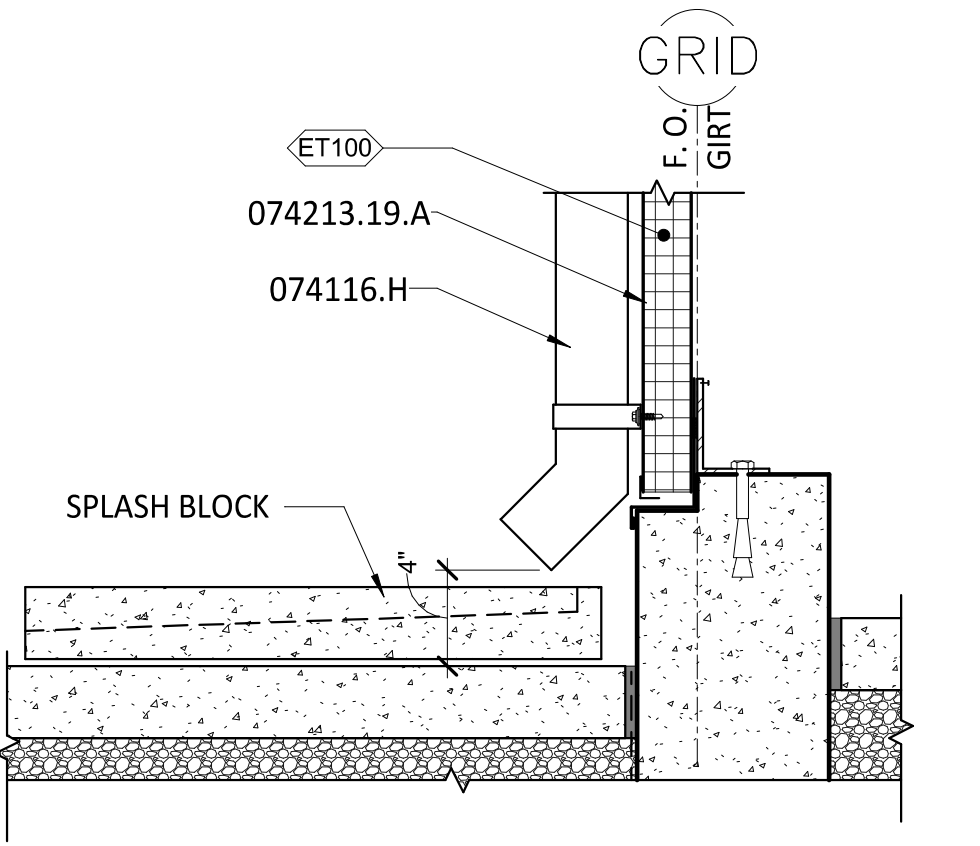


SILL DETAIL
SCALE: 3" = 1'-0"



PANEL JOINT
SCALE: 3" = 1'-0"

| CONDOC | |
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| 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. |



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

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WARNING

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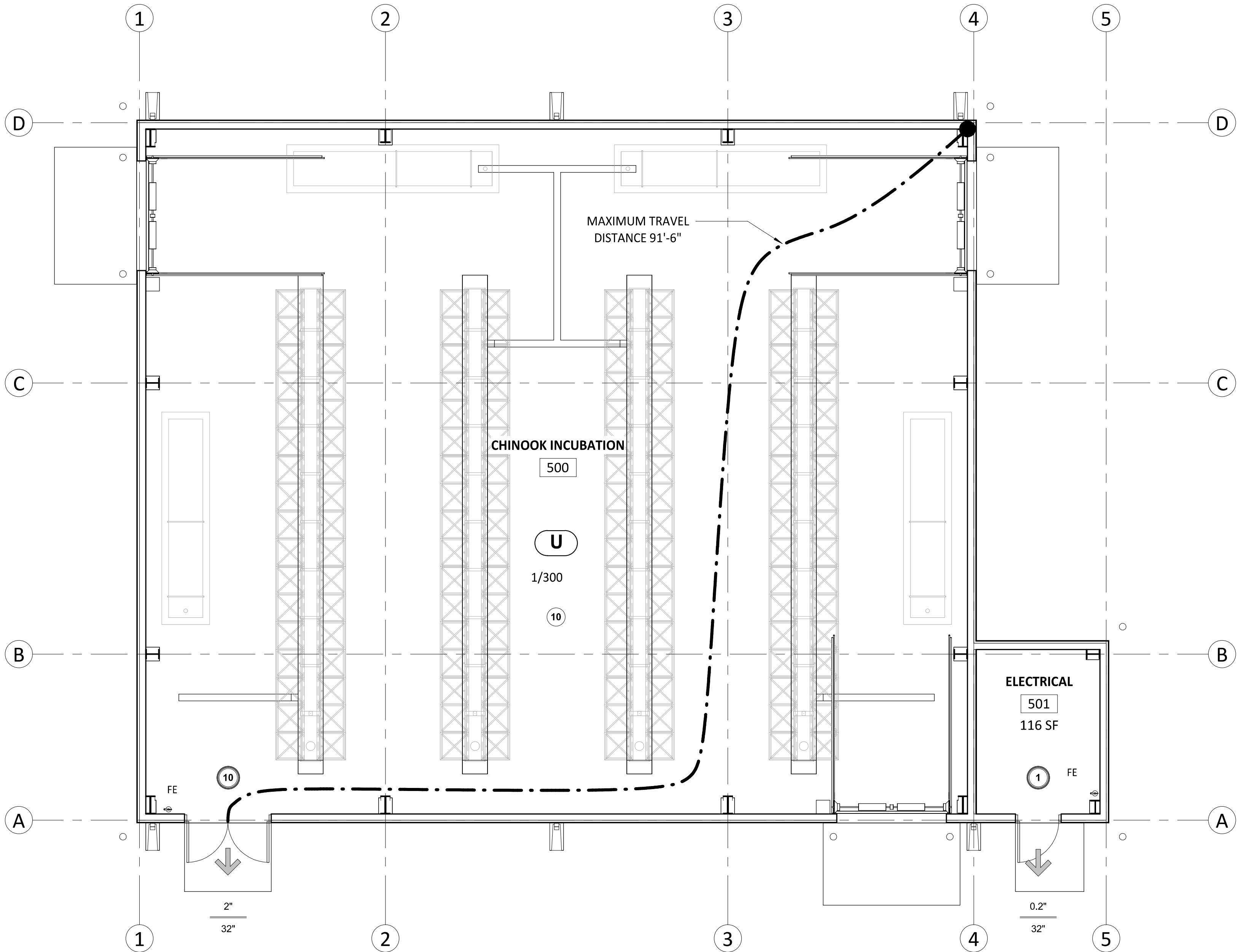
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| KLAMATH RIVER RENEWAL CORPORATION |
| FALL CREEK FISH HATCHERY |
| COHO BUILDING DETAILS 1 |

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| ISSUED DATE 10/28/20 | |

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CHINOOK INCUBATION BUILDING CODE PLAN

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



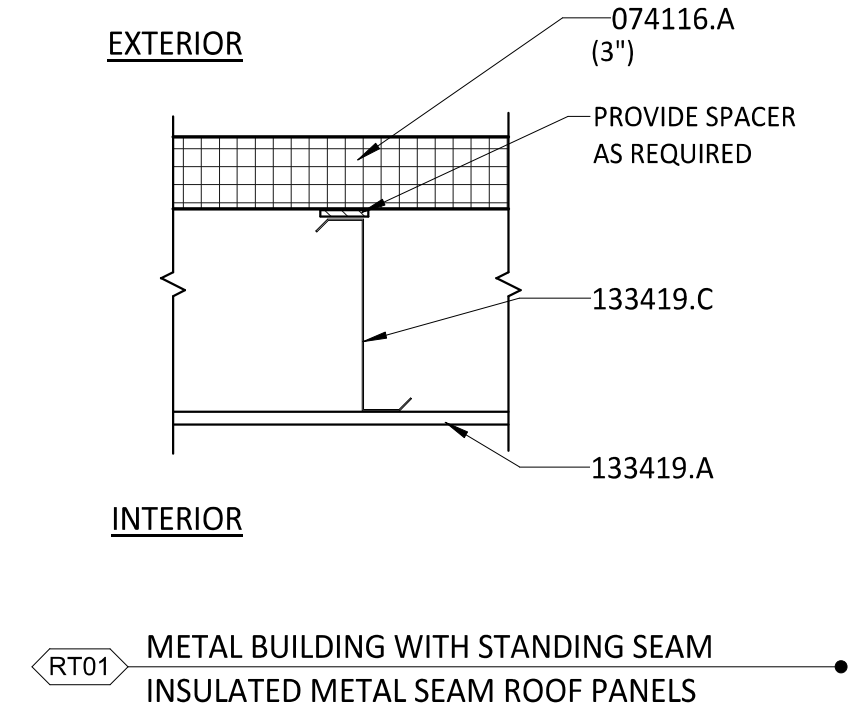
KLAMATH RIVER RENEWAL CORPORATION
FALL CREEK FISH HATCHERY
CHINOOK INCUBATION BUILDING CODE PLAN AND ASSEMBLY
TYPES

DESIGNED _____ IS
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ISSUED DATE 10/28/20

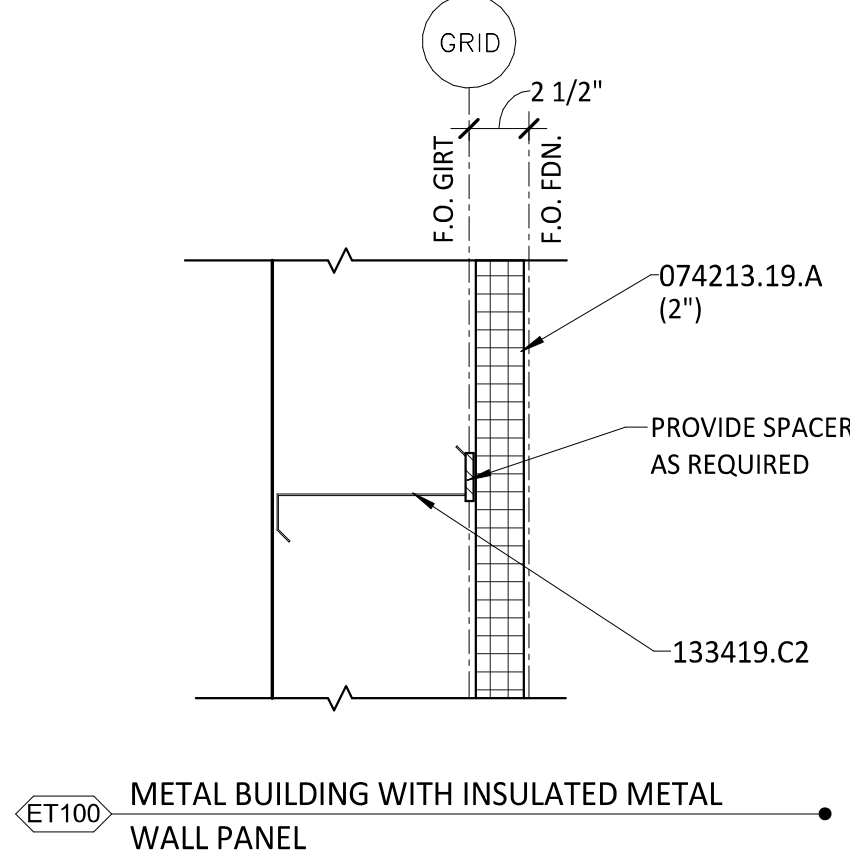
DRAWING

A500

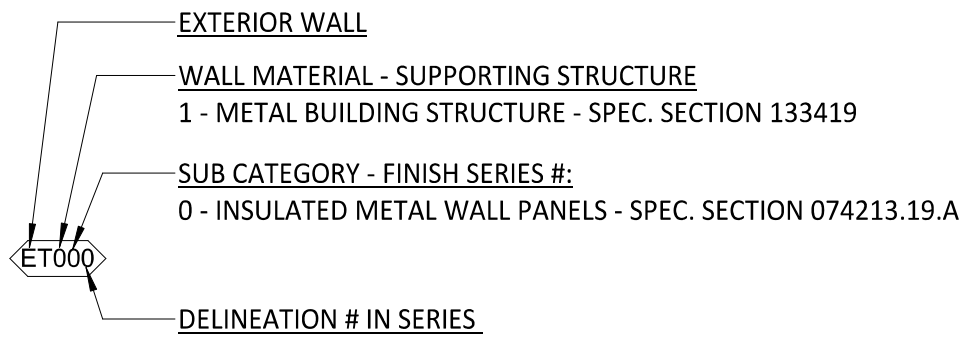
ROOF TYPES



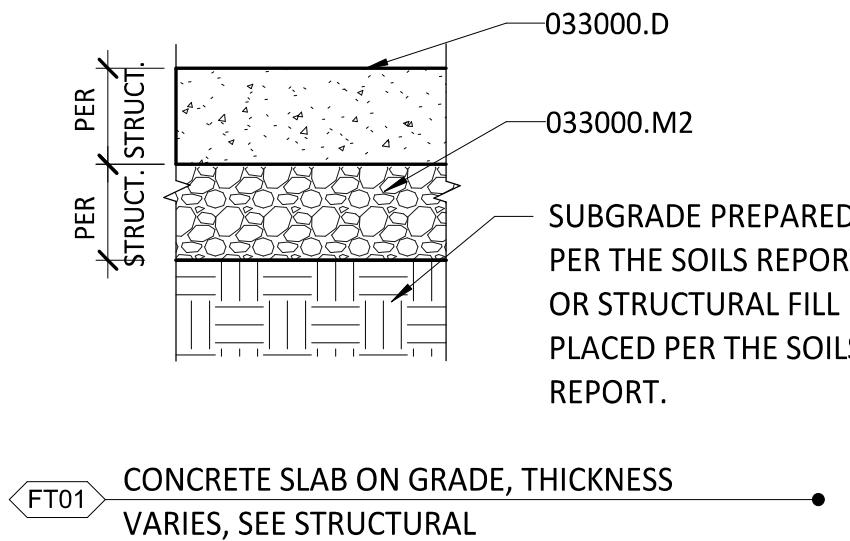
EXTERIOR WALL TYPES



EXTERIOR WALL TYPE LEGEND



FLOOR TYPES



CODE ANALYSIS

- 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
- 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.
COMMON 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

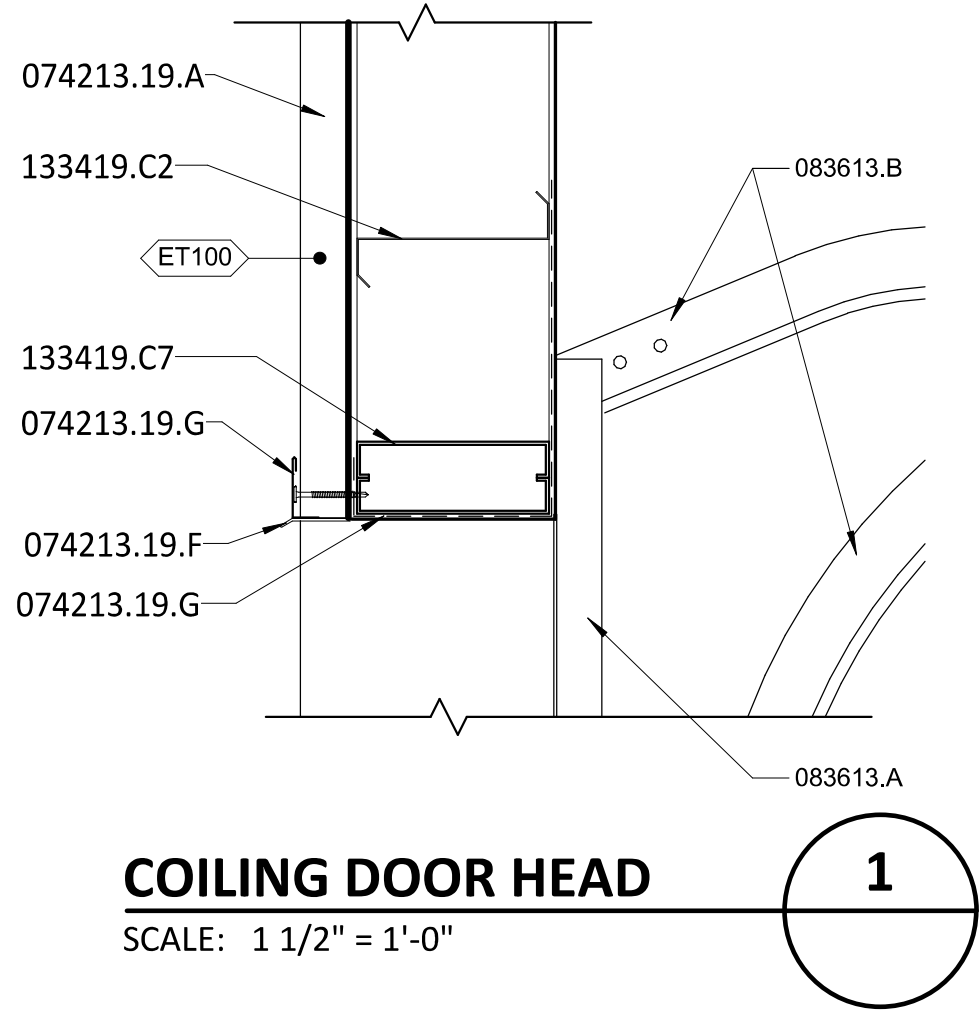
FIRE RESISTIVE REQUIREMENTS OF EXTERIOR WALLS (TABLE 602):
ALL EXTERIOR WALLS HAVE FIRE SEPARATION DISTANCE GREATER THAN 10 FEET, THEREFORE ARE NOT REQUIRED TO BE RATED.

LEGEND

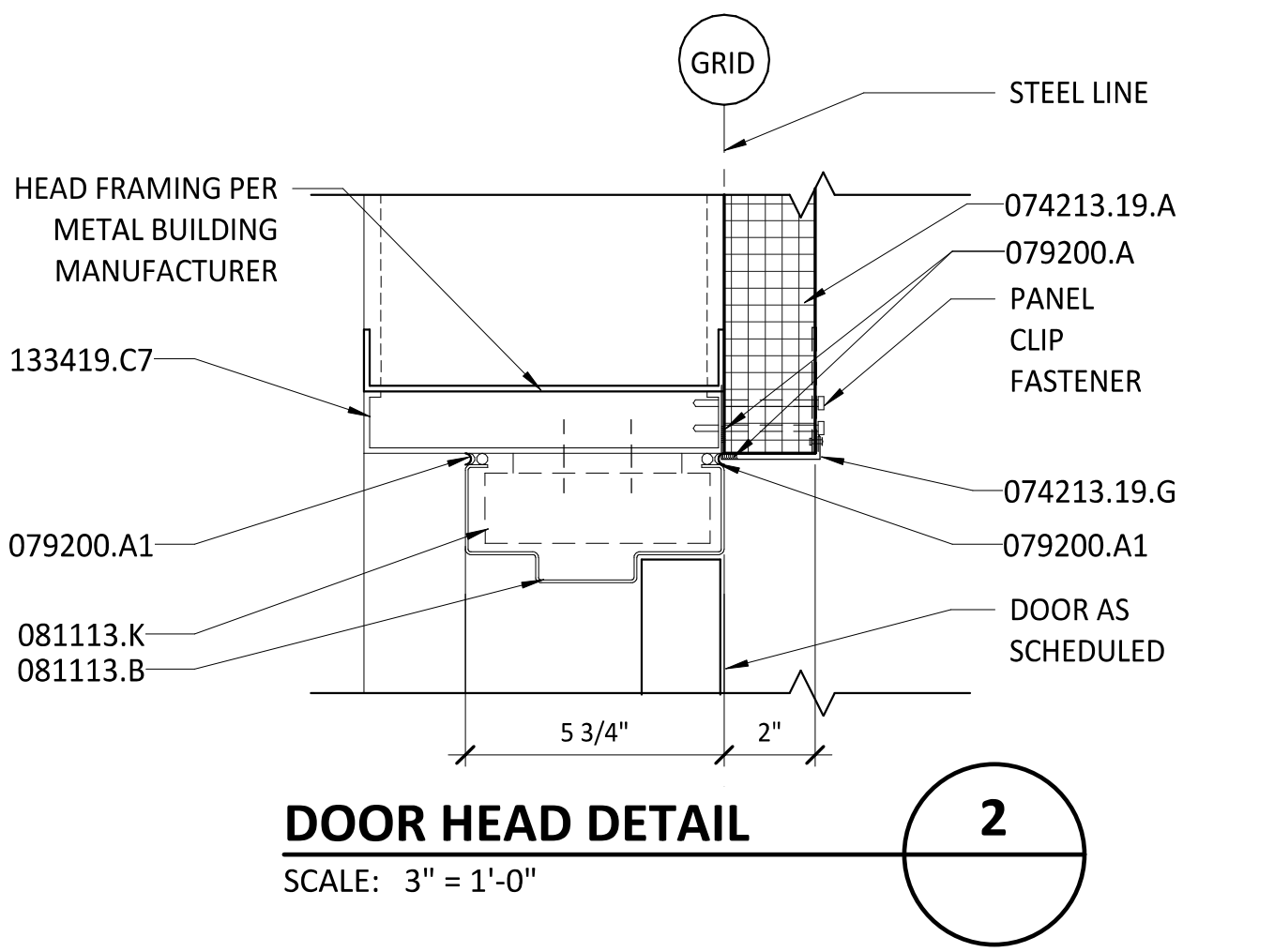
- ROOM NAME
101 ROOM NAME AND NUMBER
- U AREA OCCUPANCY
- # TOTAL OCCUPANT LOAD IN ROOM (AS PER TITLE 24, PART 2, TABLE 1004.5)
- # TOTAL OCCUPANT LOAD EXITING FROM BUILDING / OCCUPANCY
- ➔ REQUIRED BUILDING EGRESS WITH LOAD AND MINIMUM WIDTH
- X" REQUIRED EXIT WIDTH (AS PER TITLE 24, PART 2, TABLE 1005.3.2)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

CONDOC

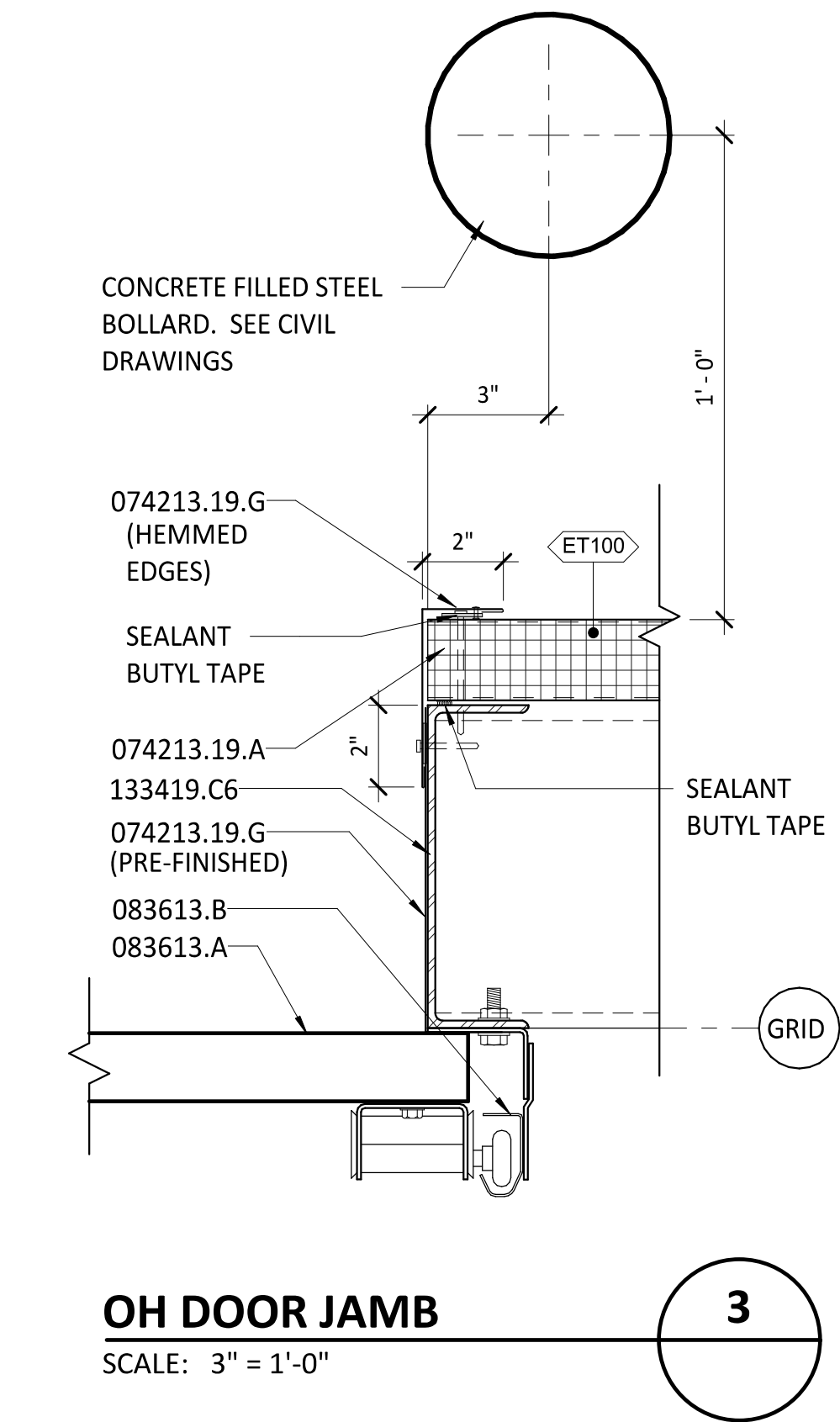
033000.D CONCRETE SLAB-ON-GRADE, SEE STRUCTURAL.
033000.M2 GRANULAR FILL.
074116.A INSULATED-CORE METAL ROOF PANEL.
074213.19.A INSULATED METAL WALL PANELS.
133419.A METAL BUILDING PRIMARY-FRAME.
133419.C PURLIN.
133419.C2 WALL GIRTS.



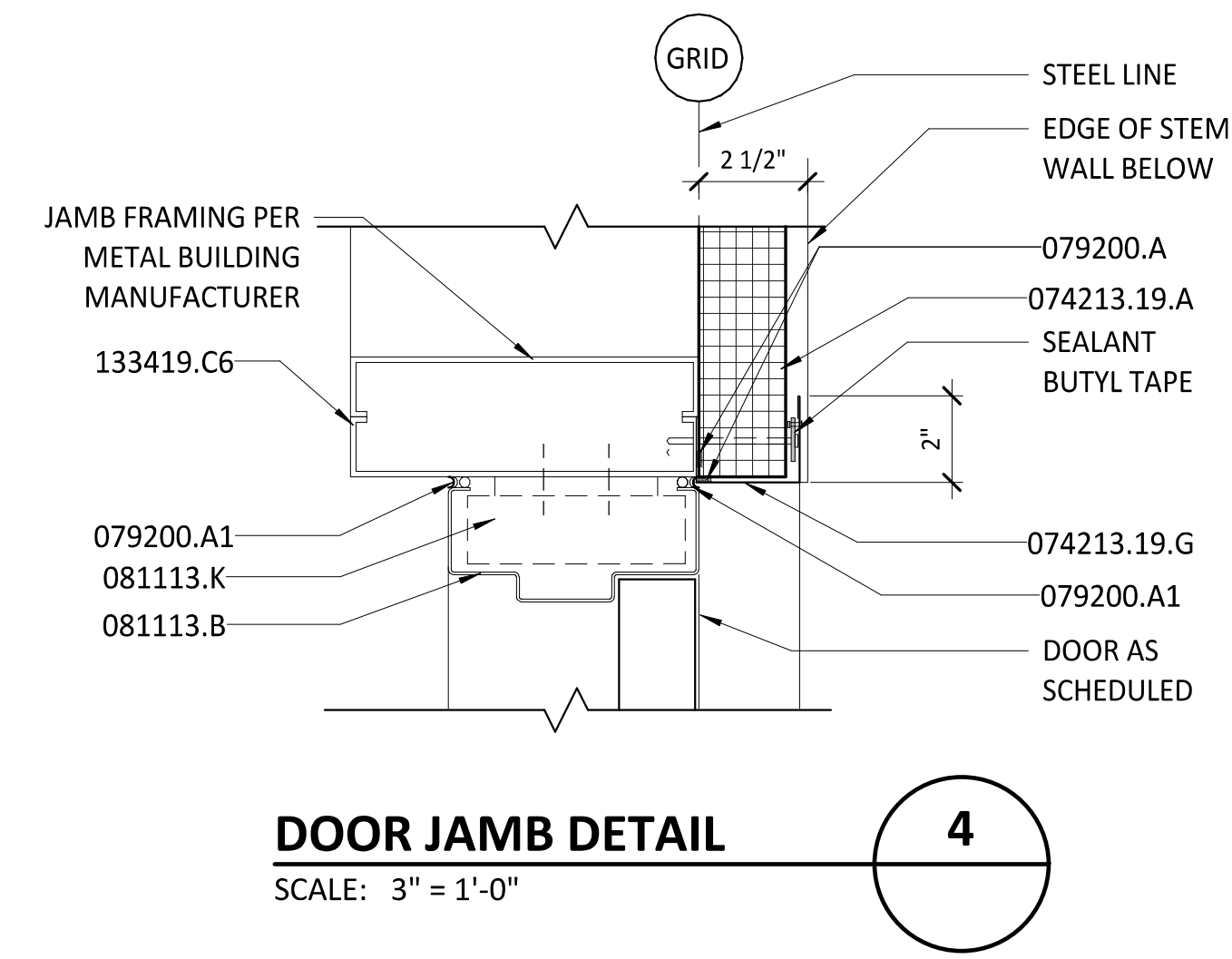
COILING DOOR HEAD
SCALE: 1 1/2" = 1'-0"



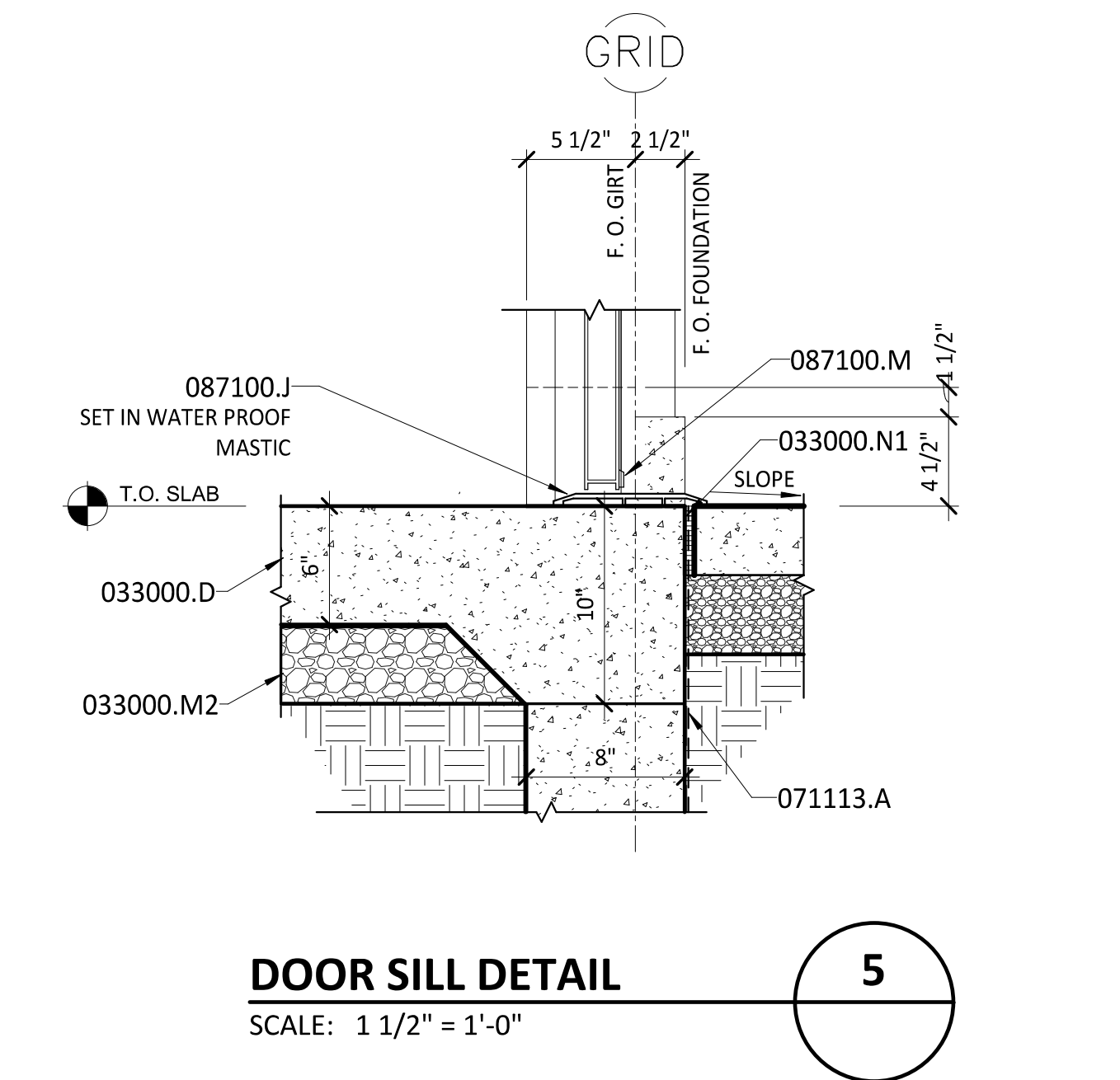
DOOR HEAD DETAIL
SCALE: 3" = 1'-0"



OH DOOR JAMB
SCALE: 3" = 1'-0"



DOOR JAMB DETAIL
SCALE: 3" = 1'-0"



DOOR SILL DETAIL
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 | - |

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. |

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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.

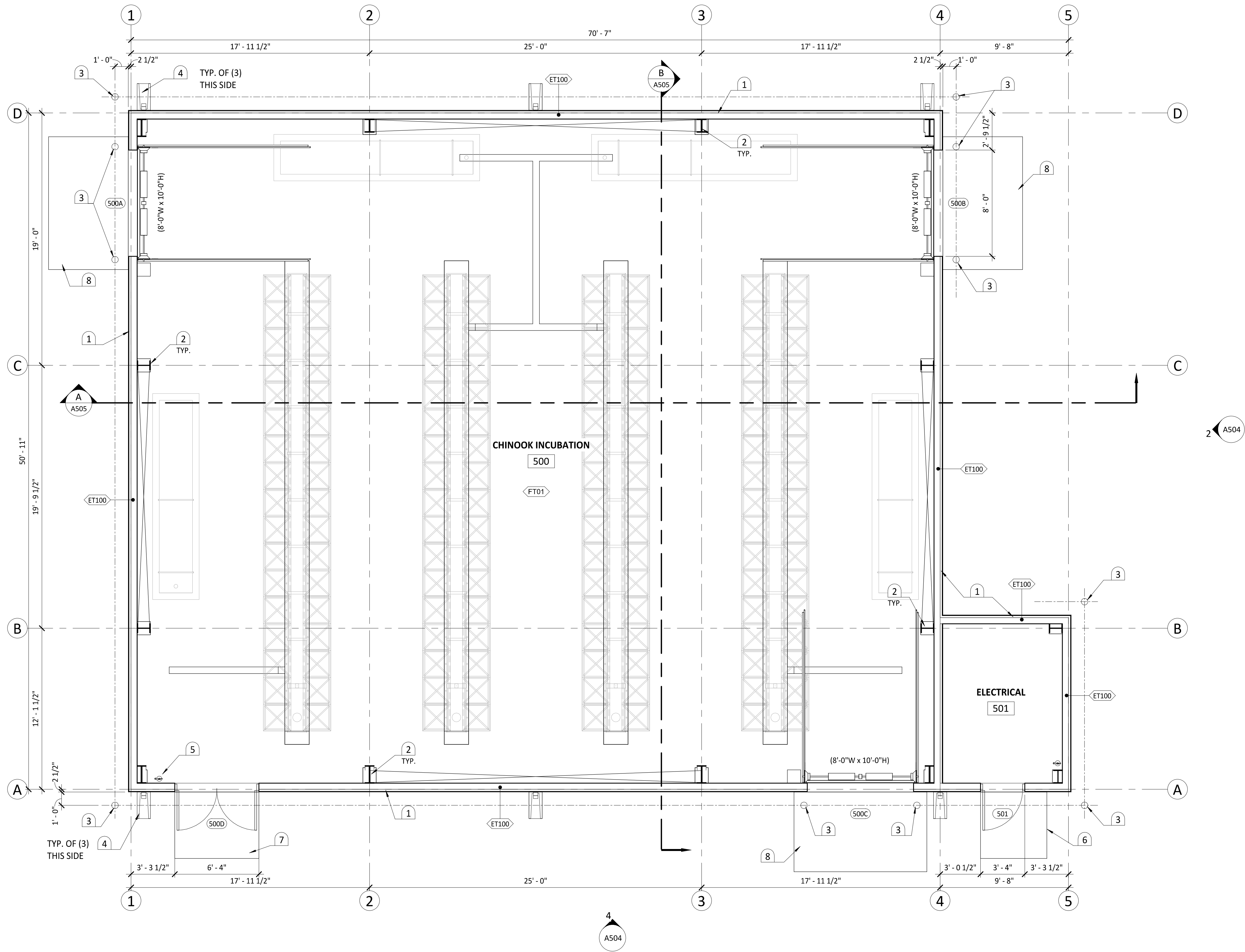
WARNING

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



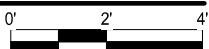
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| KLAMATH RIVER RENEWAL CORPORATION | |
| FALL CREEK FISH HATCHERY | |
| CHINOOK INCUBATION BUILDING DOOR SCHEDULE AND DETAILS | |

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| DRAWN _____ IS | |
| CHECKED _____ MH | |
| ISSUED DATE _____ 10/28/20 | |



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 CONFLICT EXISTS.

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WARNING

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



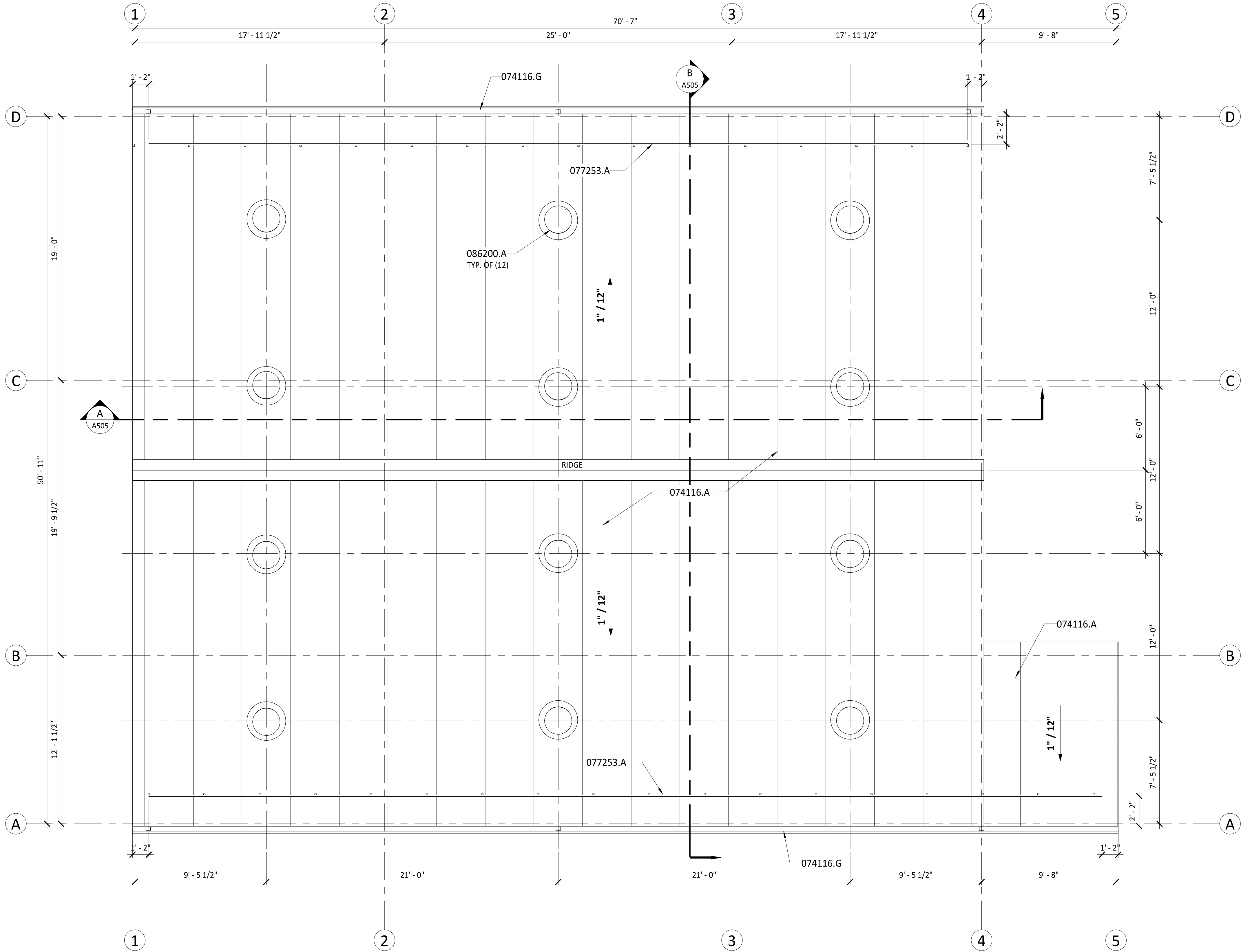
KLAMATH RIVER RENEWAL CORPORATION
FALL CREEK FISH HATCHERY

CHINOOK INCUBATION BUILDING FLOOR PLAN

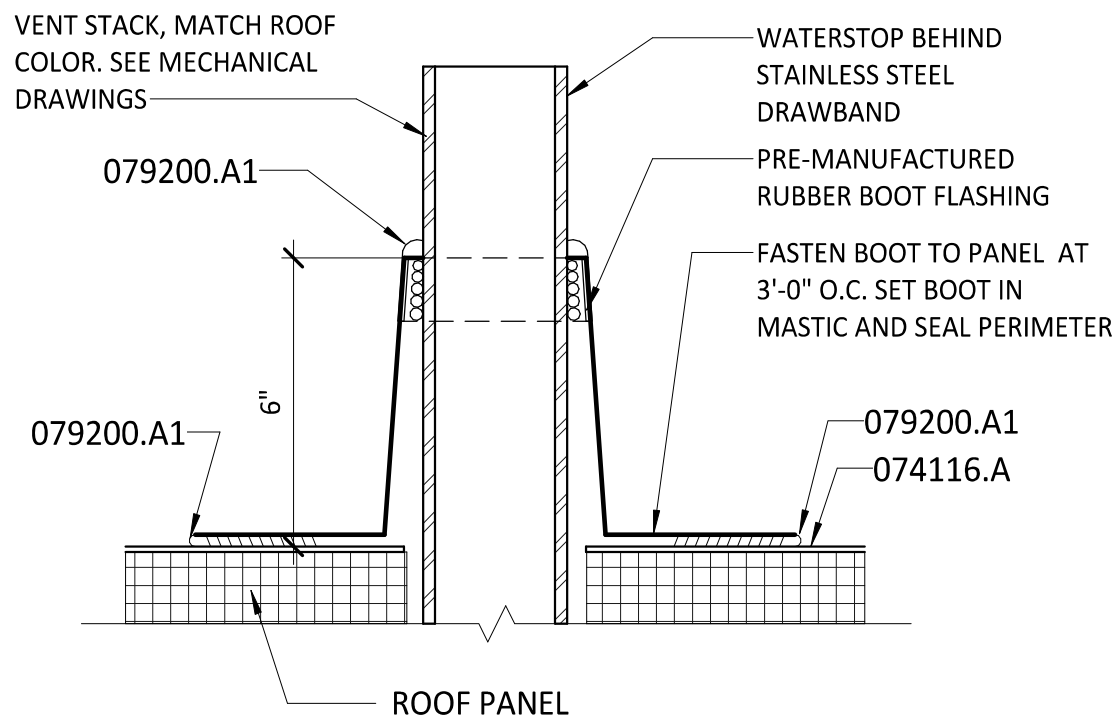
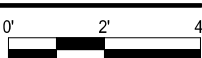
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ISSUED DATE 10/28/20

DRAWING

A502



CHINOOK INCUBATION ROOF PLAN
SCALE: 1/4" = 1'-0"



ROOF PENETRATION
SCALE: 3" = 1'-0"

2

| 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. |

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

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WARNING

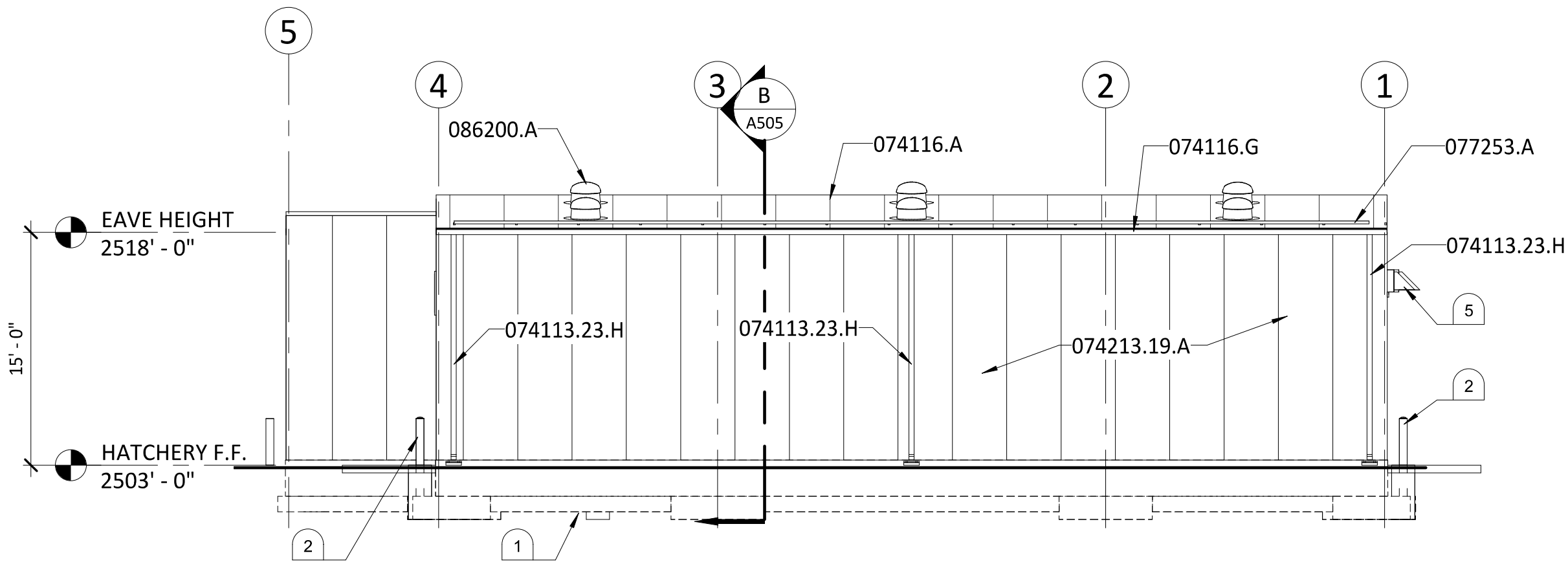
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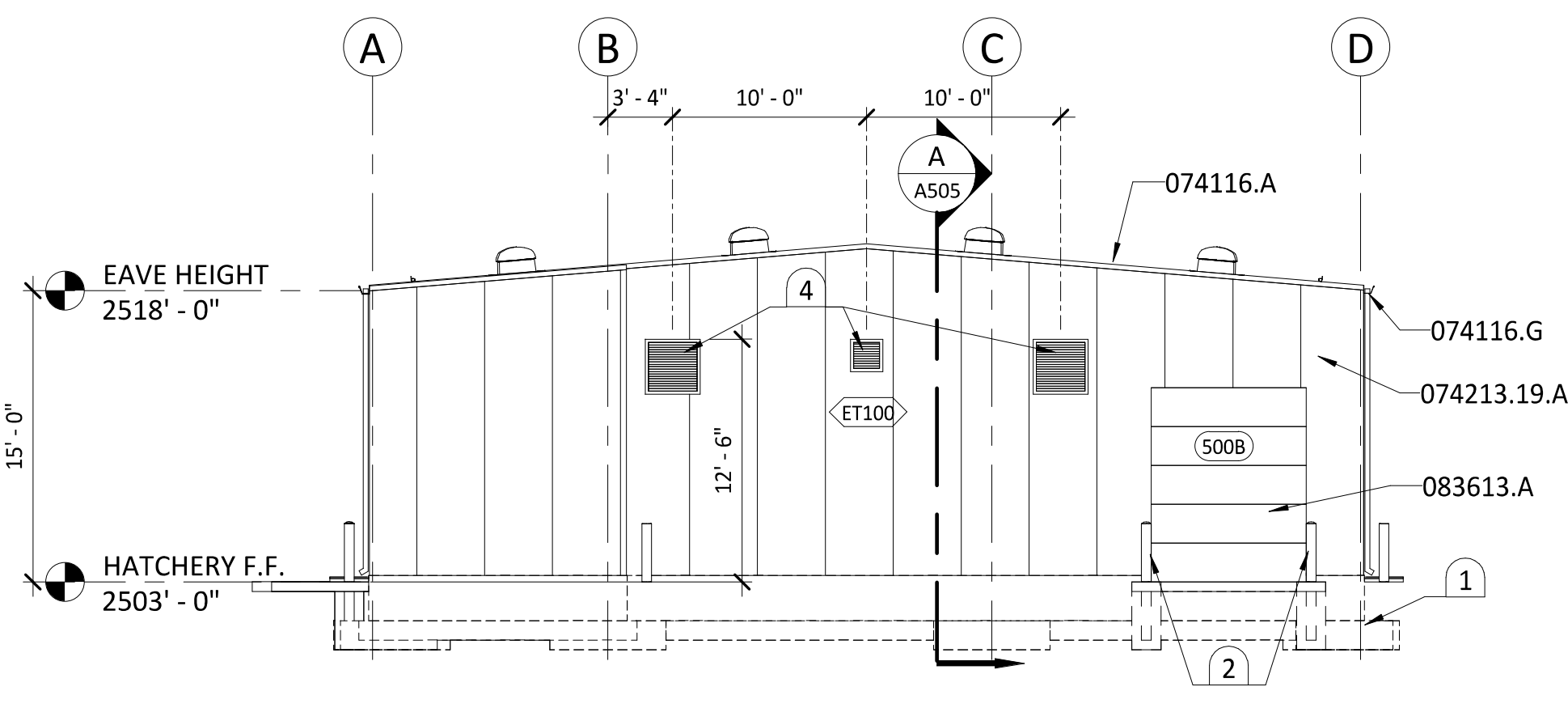
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| KLAMATH RIVER RENEWAL CORPORATION | | DESIGNED _____ IS | DRAWING | |
| FALL CREEK FISH HATCHERY | | | | DRAWN _____ IS |
| CHINOOK INCUBATION BUILDING ROOF PLAN | | | | |
| | | ISSUED DATE _____ 10/28/20 | | |

A503



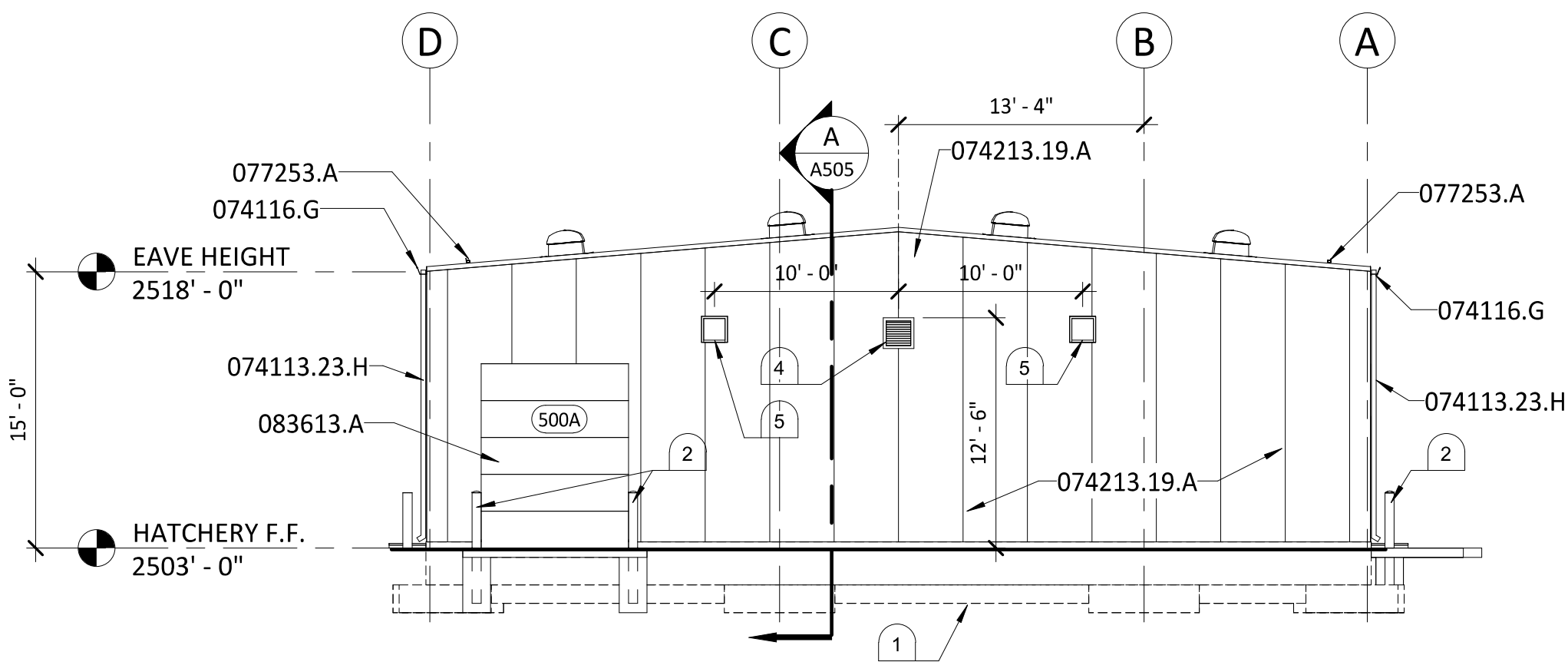
CHINOOK INCUBATION BUILDING NORTH ELEVATION

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



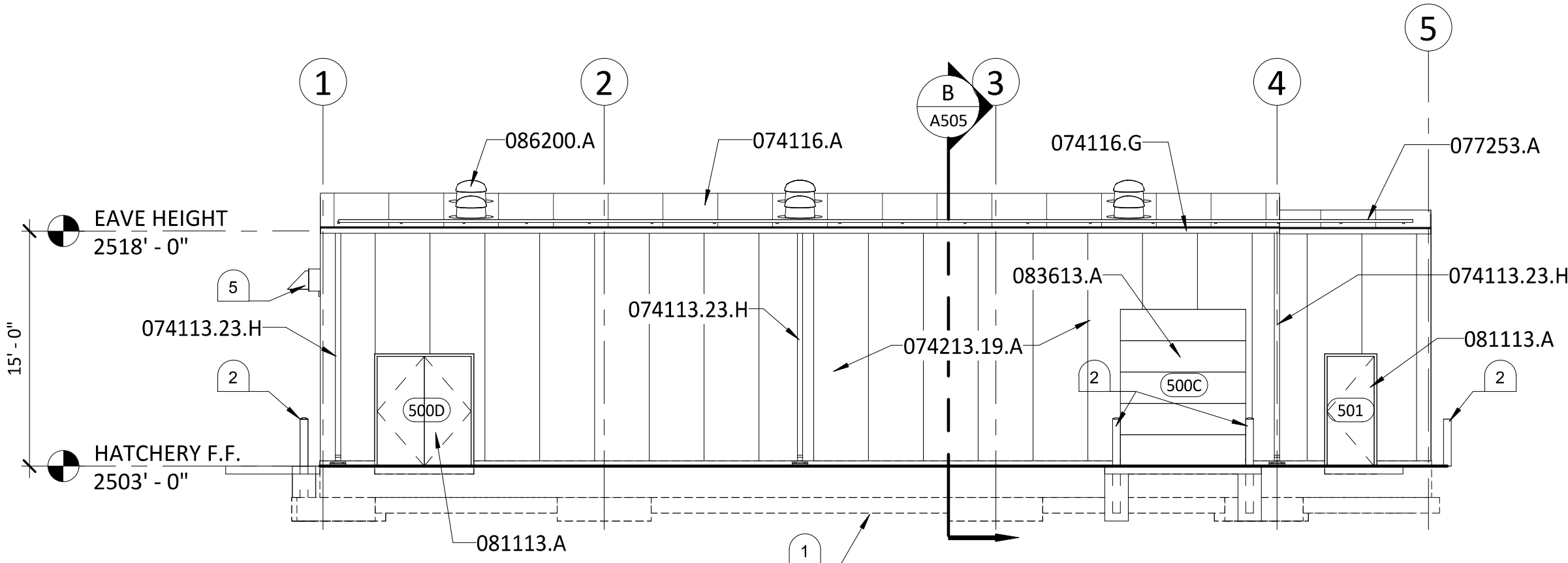
CHINOOK INCUBATION BUILDING EAST ELEVATION

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.

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

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WARNING



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KLAMATH RIVER RENEWAL CORPORATION

FALL CREEK FISH HATCHERY

CHINOOK INCUBATION BUILDING EXTERIOR ELEVATIONS 1

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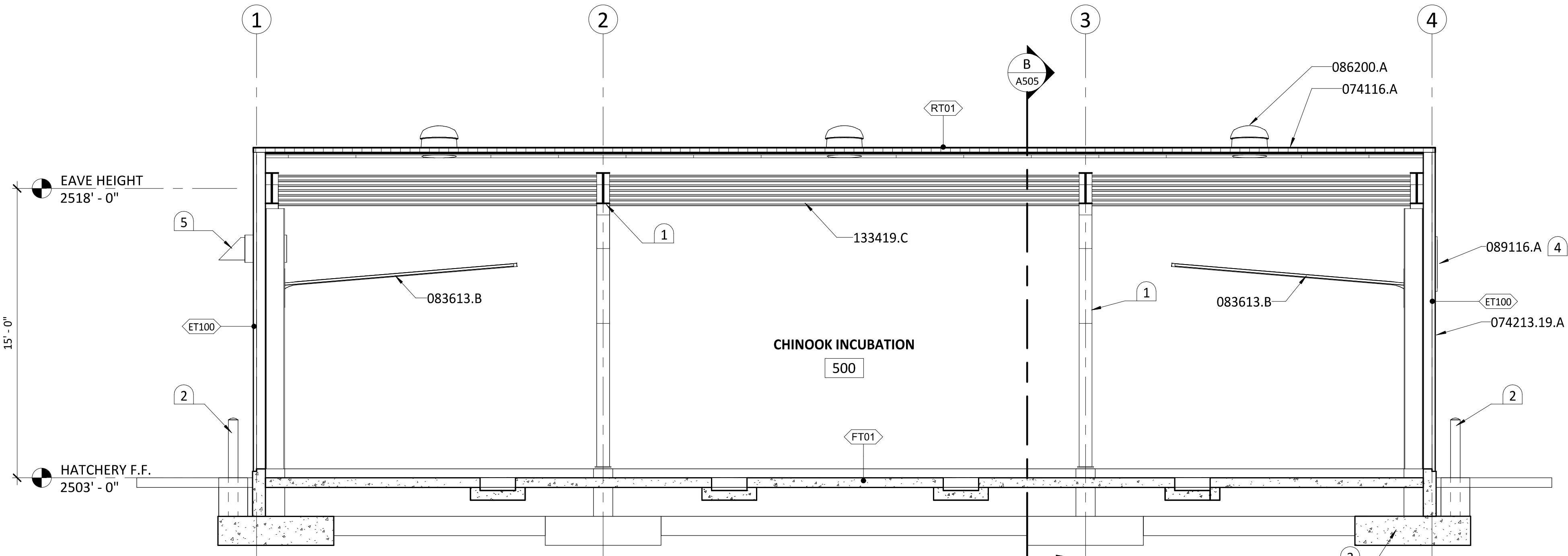
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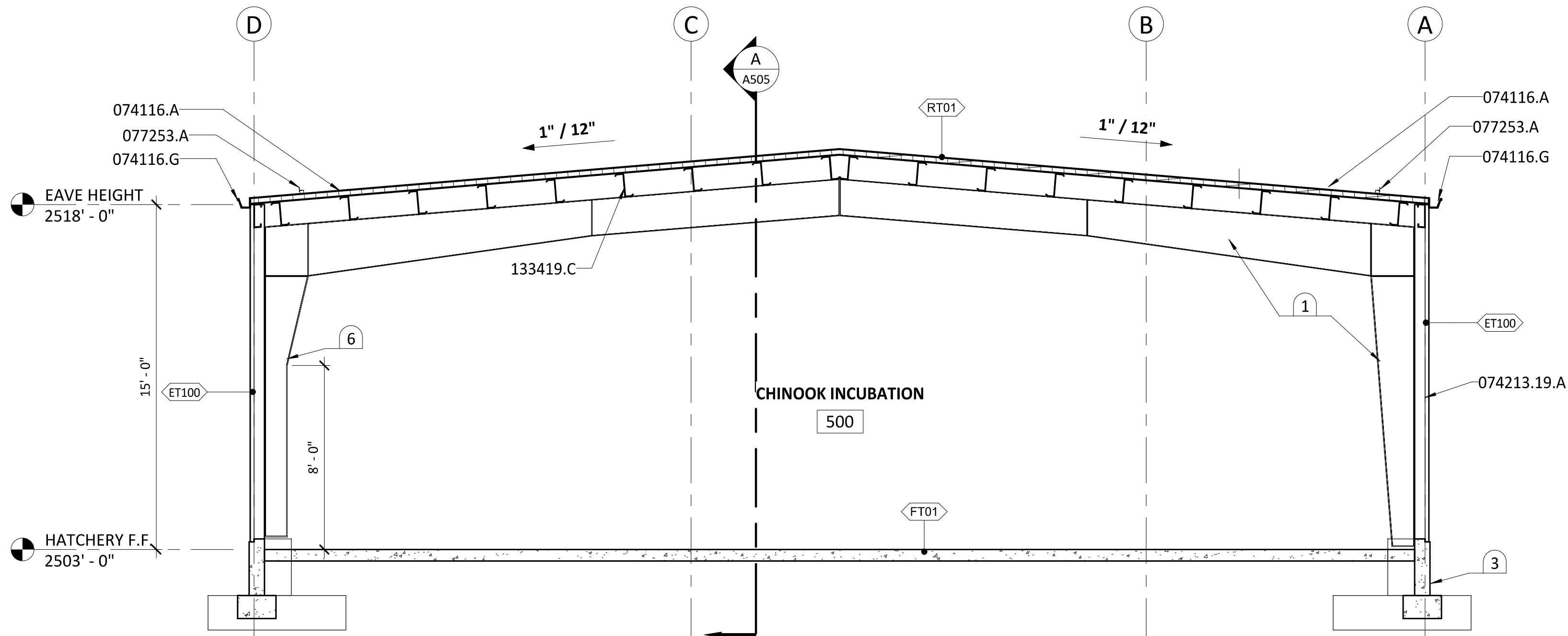
A504



BUILDING SECTION

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

A
A502



BUILDING SECTION

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

B
A502

CONDOC

| | |
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| 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

- PRE-ENGINEERED METAL BUILDING STRUCTURE.
- 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.
- CONCRETE FOOTING. SEE STRUCTURAL.
- MECHANICAL LOUVER - REFER TO SHEET GH001 - HVAC SCHEDULES AND SPEC SECTIONS 08 91 16 AND 08 91 19 FOR ADDITIONAL INFORMATION.
- MECHANICAL EXHAUST FAN - REFER TO SHEET GH001 - HVAC SCHEDULES AND SPEC SECTIONS 08 91 16 AND 08 91 19 FOR ADDITIONAL INFORMATION.
- 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

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

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WARNING



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KLAMATH RIVER RENEWAL CORPORATION

FALL CREEK FISH HATCHERY

CHINOOK INCUBATION BUILDING SECTIONS 1

DESIGNED _____ IS

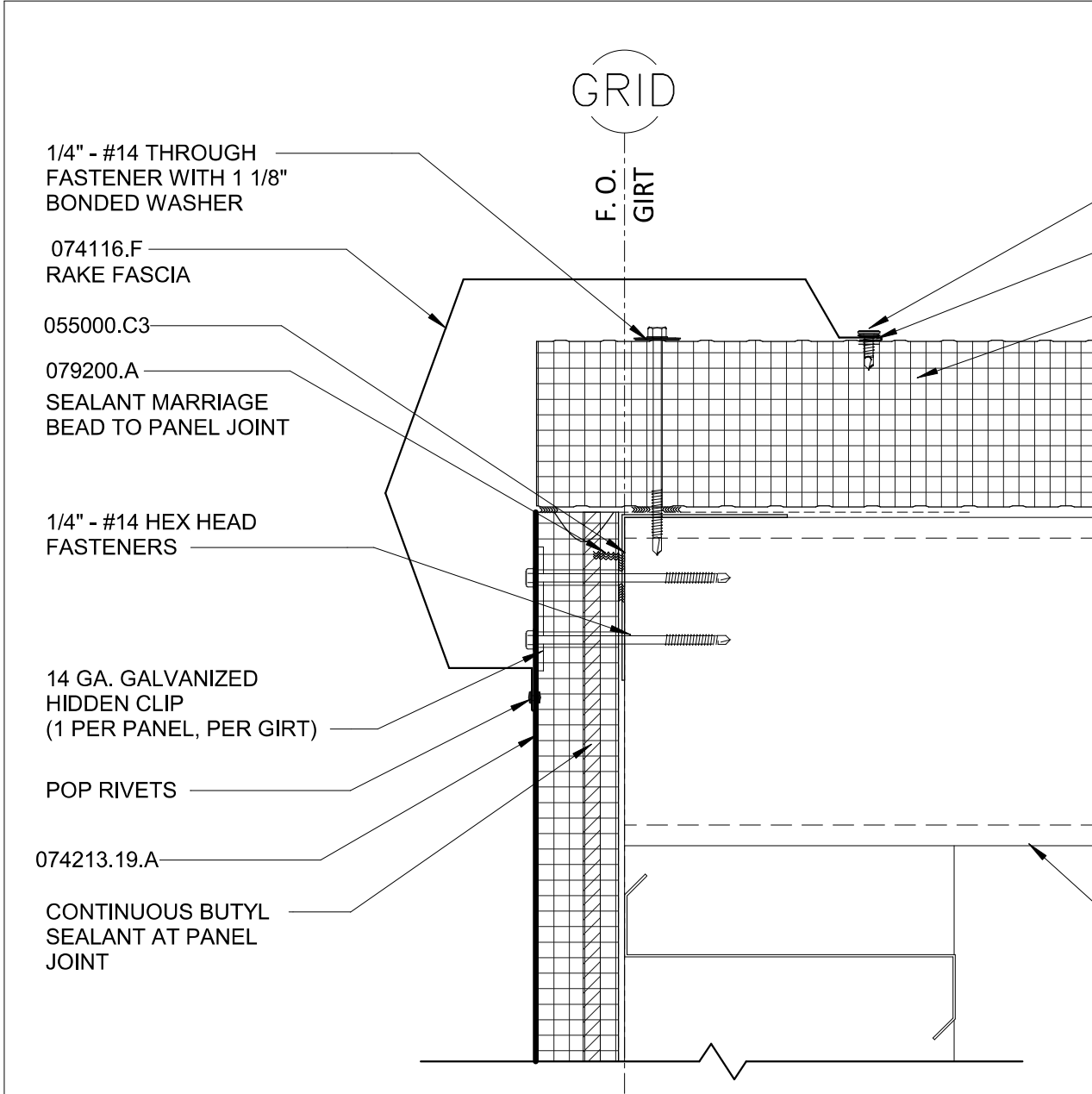
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ISSUED DATE 10/28/20

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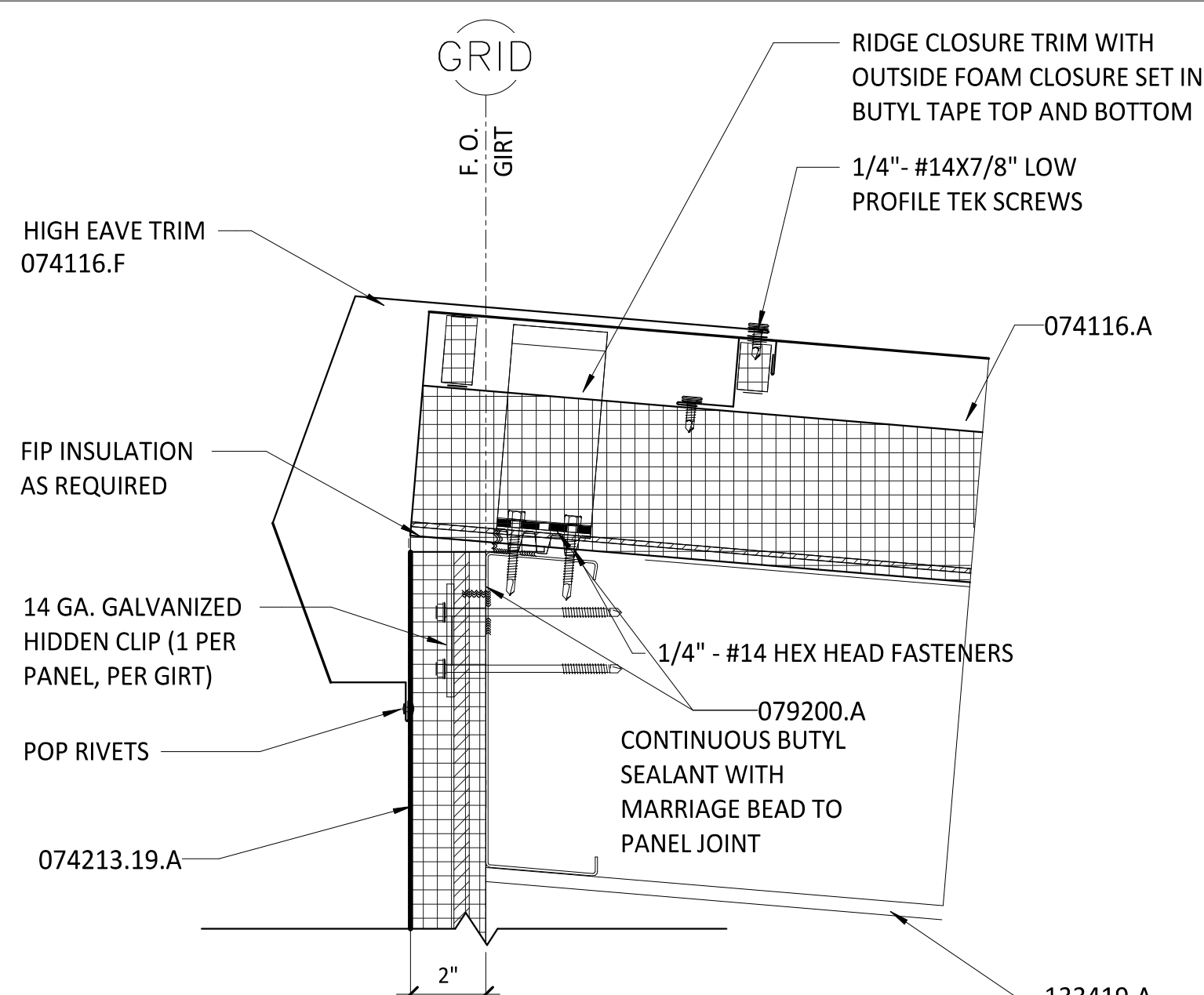
A505



RAKE TRIM

SCALE: 3" = 1'-0"

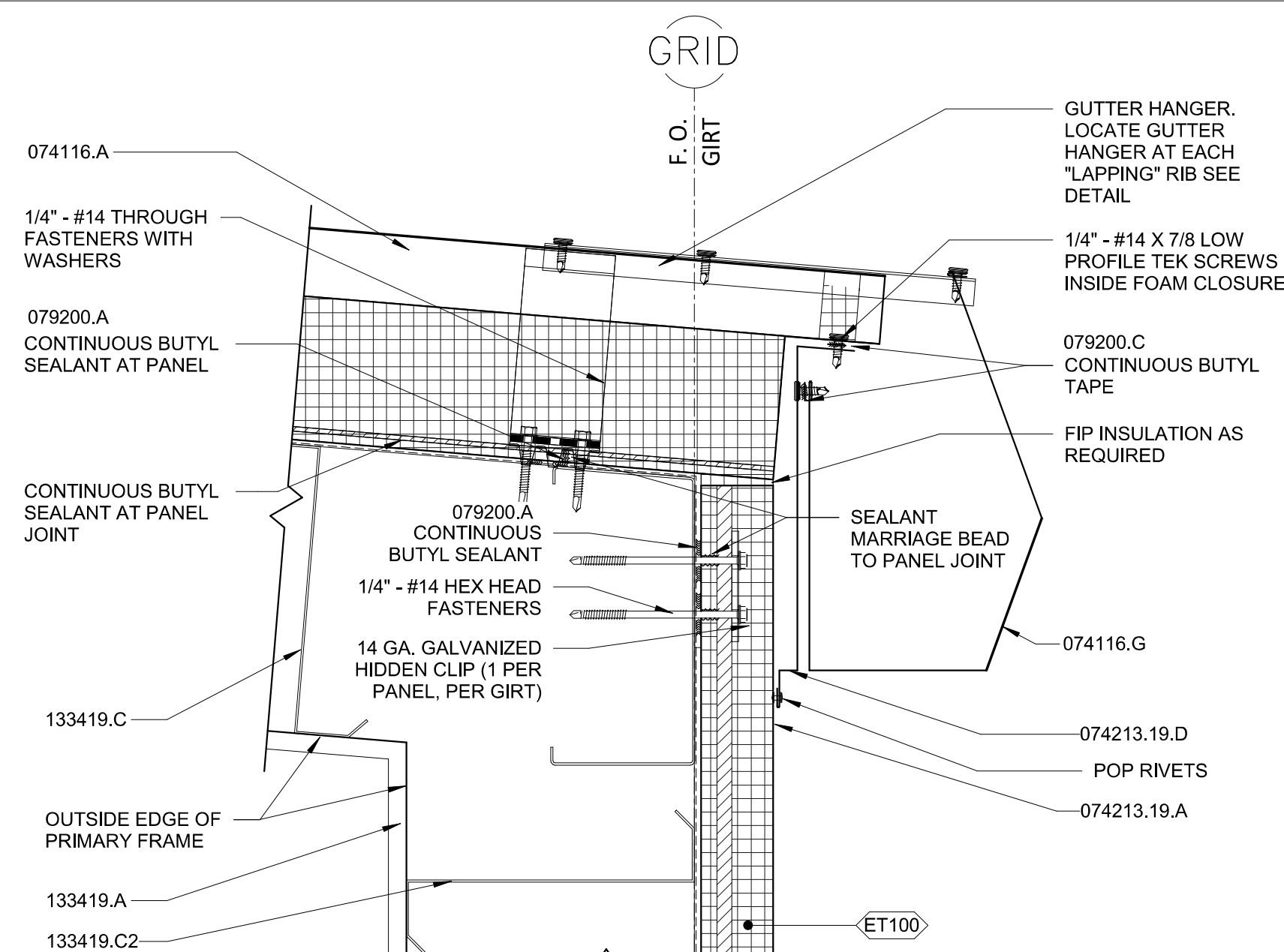
1



HIGH EAVE

SCALE: 3" = 1'-0"

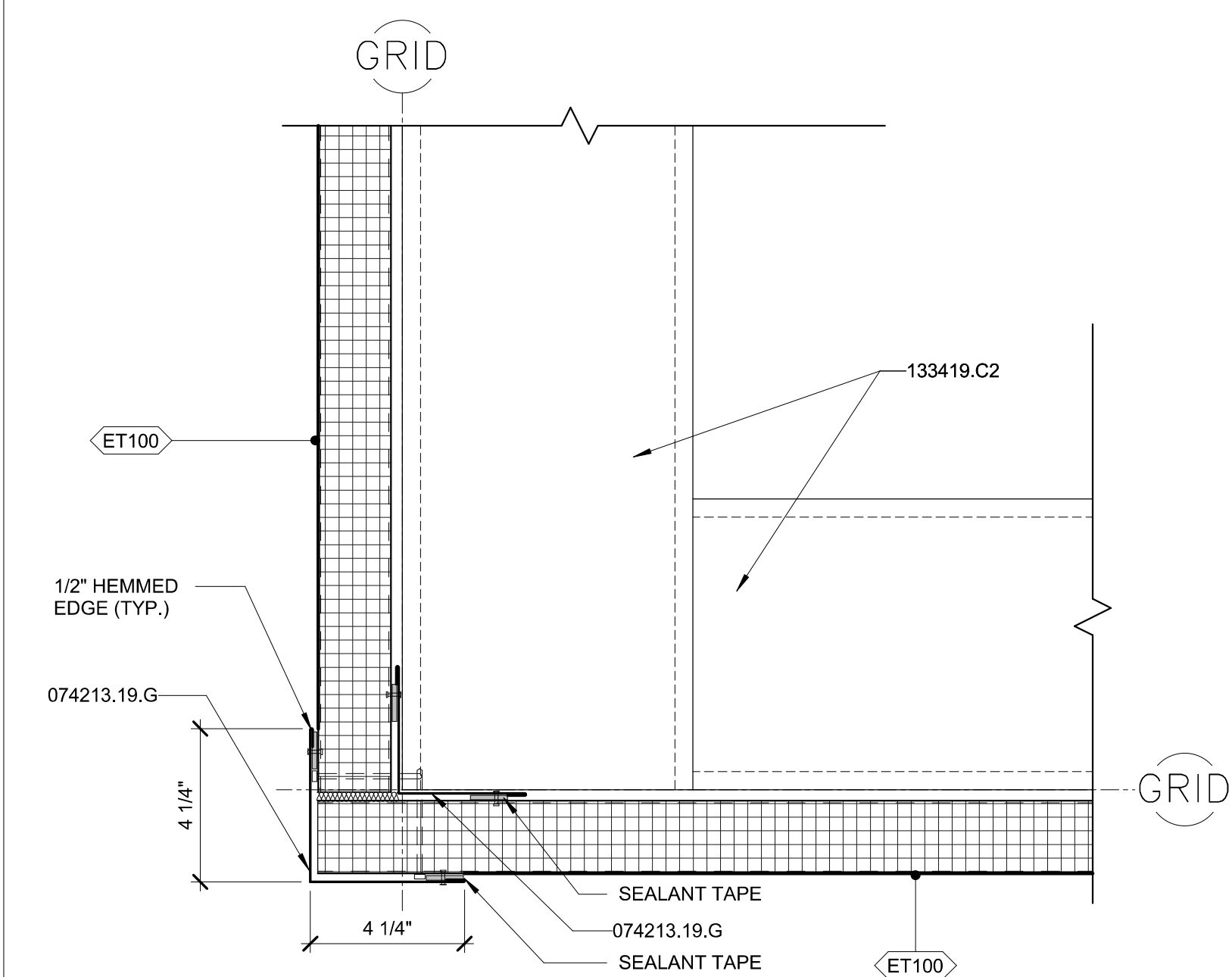
2



LOW EAVE WITH GUTTER

SCALE: 3" = 1'-0"

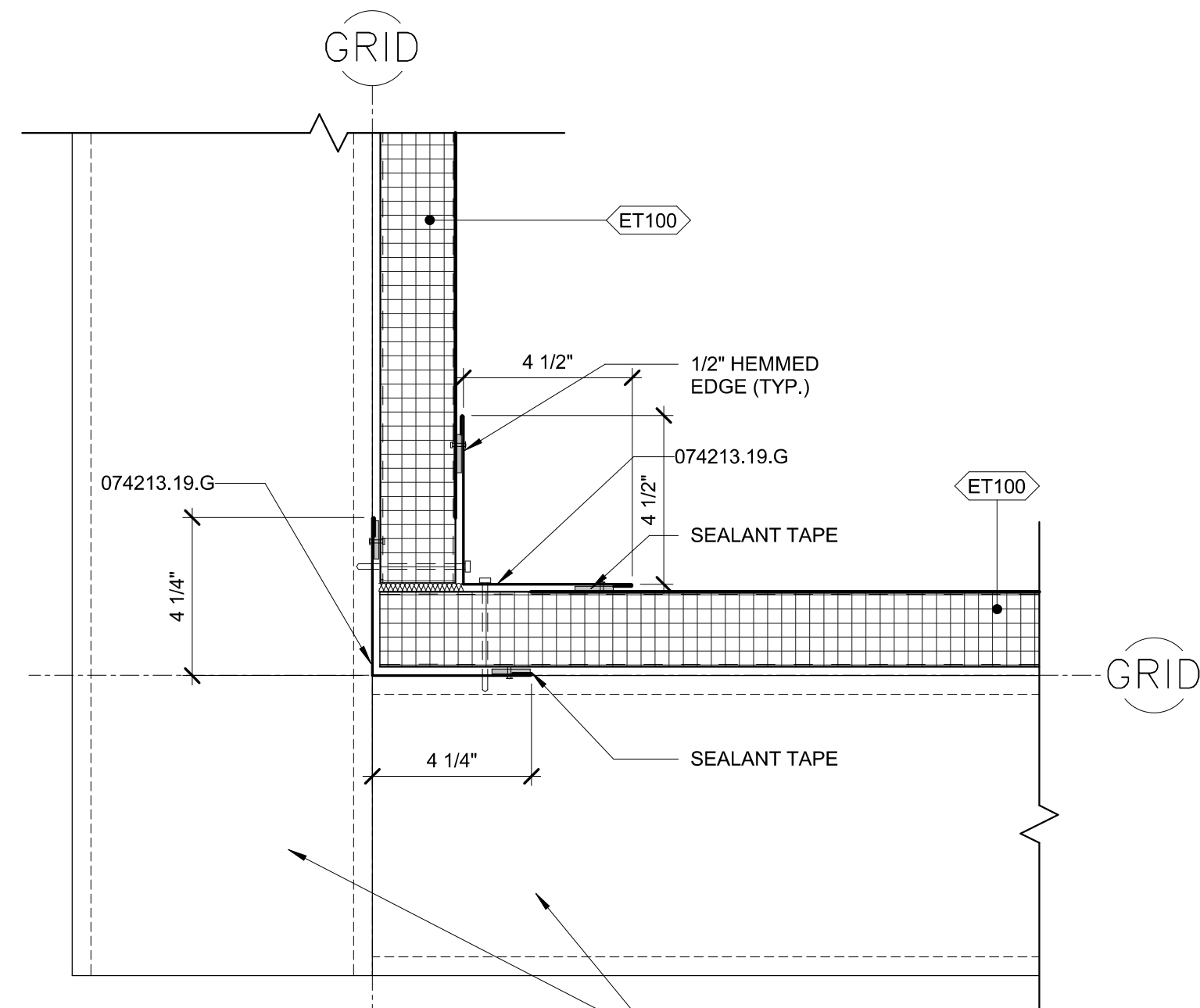
3



OUTSIDE CORNER TRIM

SCALE: 3" = 1'-0"

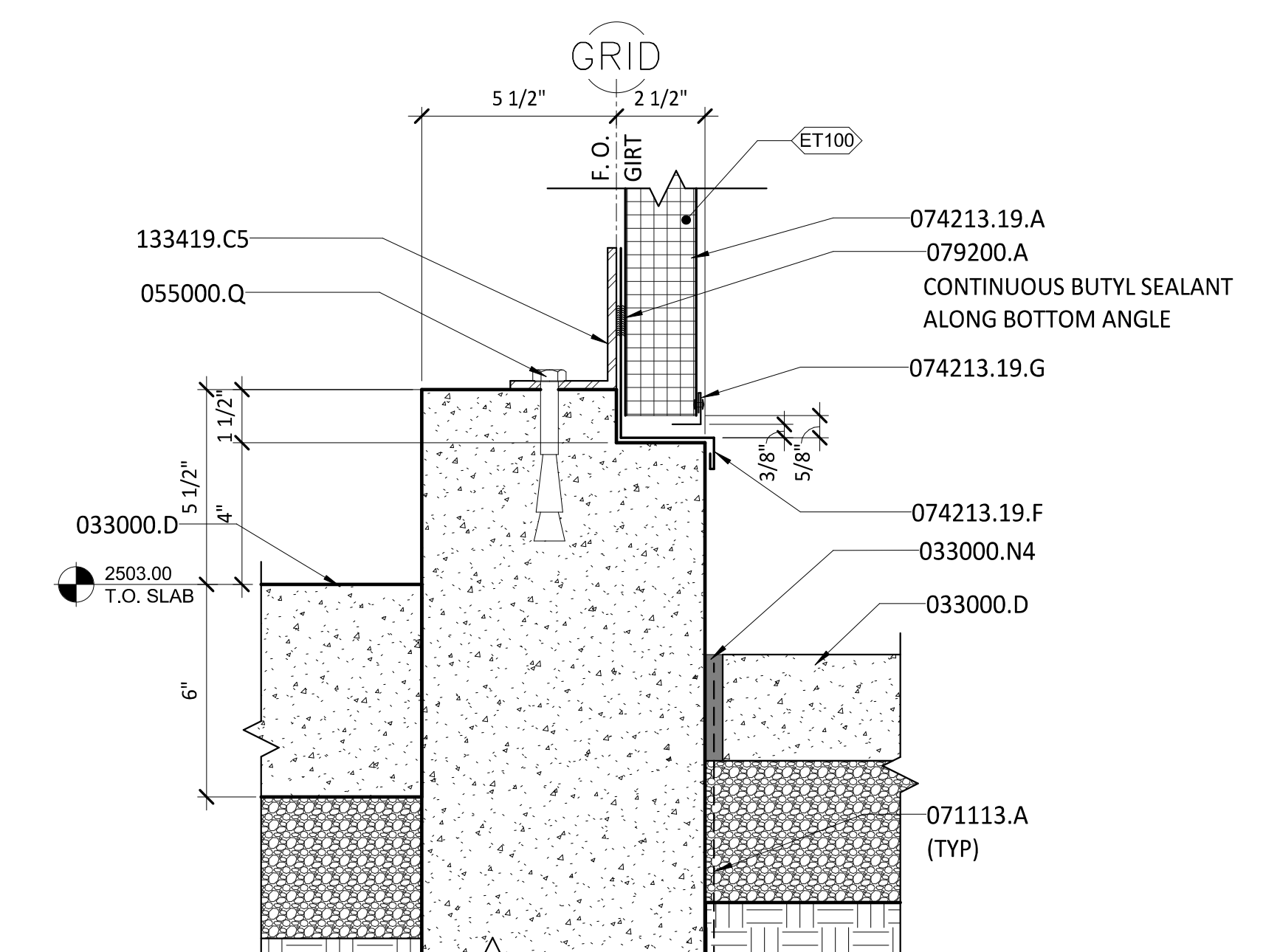
4



INSIDE CORNER TRIM

SCALE: 3" = 1'-0"

5

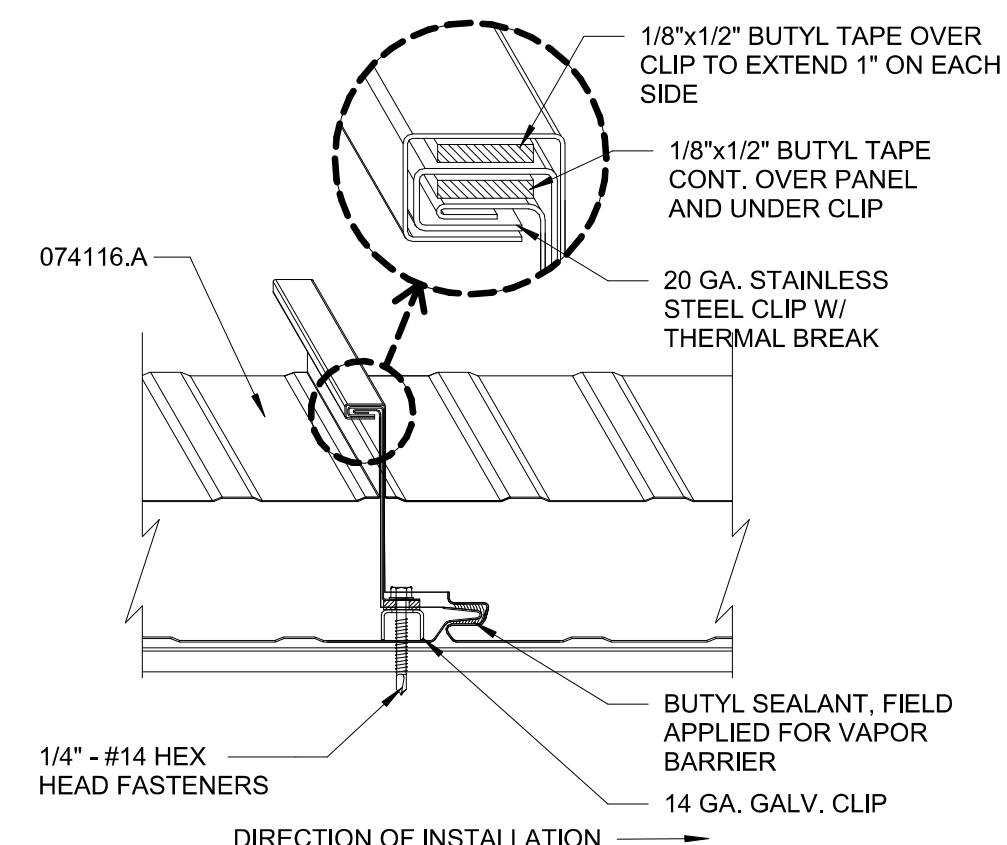


SILL DETAIL

SCALE: 3" = 1'-0"

6

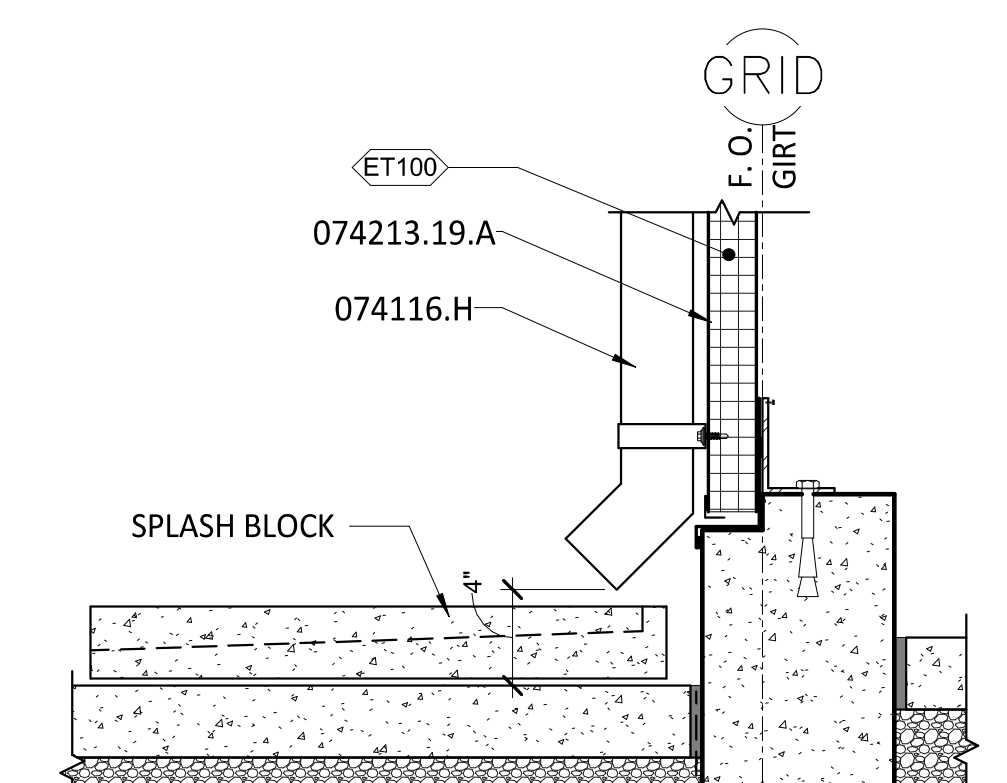
| CONDOC | |
|-------------|---|
| 033000.D | CONCRETE SLAB-ON-GRADE, SEE STRUCTURAL. |
| 033000.N4 | JOINT FILLER. |
| 055000.C3 | METAL ANGLE TRIM. |
| 055000.Q | ANCHOR BOLT. |
| 071113.A | BITUMINOUS DAMPPROOFING. |
| 074116.A | INSULATED-CORE METAL ROOF PANEL. |
| 074116.F | METAL TRIM. |
| 074116.G | 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

SCALE: 3" = 1'-0"

7



DOWNSPOUT DETAIL

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

8

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WARNING

0 1/2 1

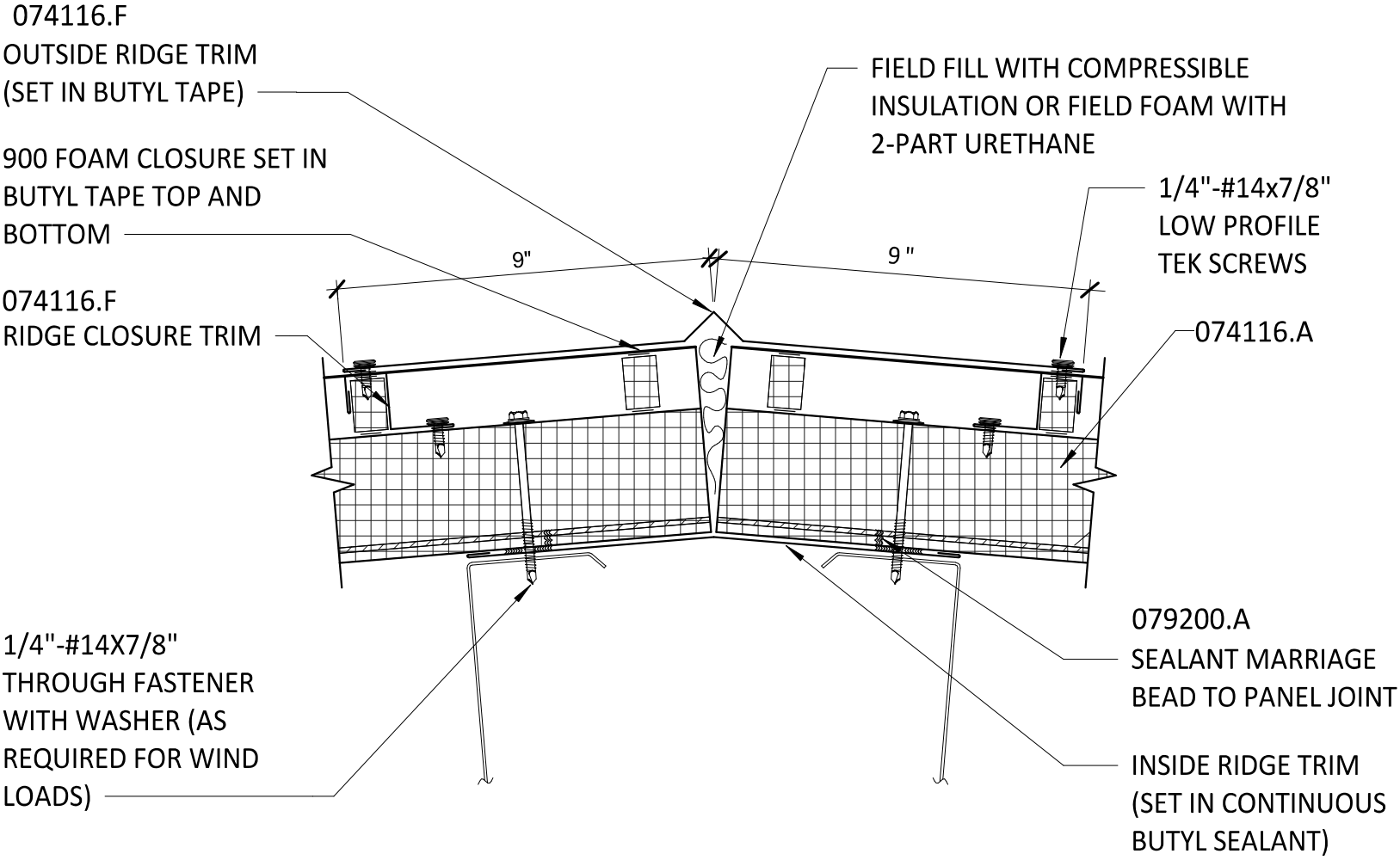
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.



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|---------------------------------------|--|
| KLAMATH RIVER RENEWAL CORPORATION | |
| FALL CREEK FISH HATCHERY | |
| CHINOOK INCUBATION BUILDING DETAILS 1 | |

| | |
|----------------------|----------------------------|
| DESIGNED _____ IS | DRAWING A506 |
| DRAWN _____ IS | |
| CHECKED _____ MH | |
| ISSUED DATE 10/28/20 | |

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



RIDGE

SCALE: 3" = 1'-0"

1

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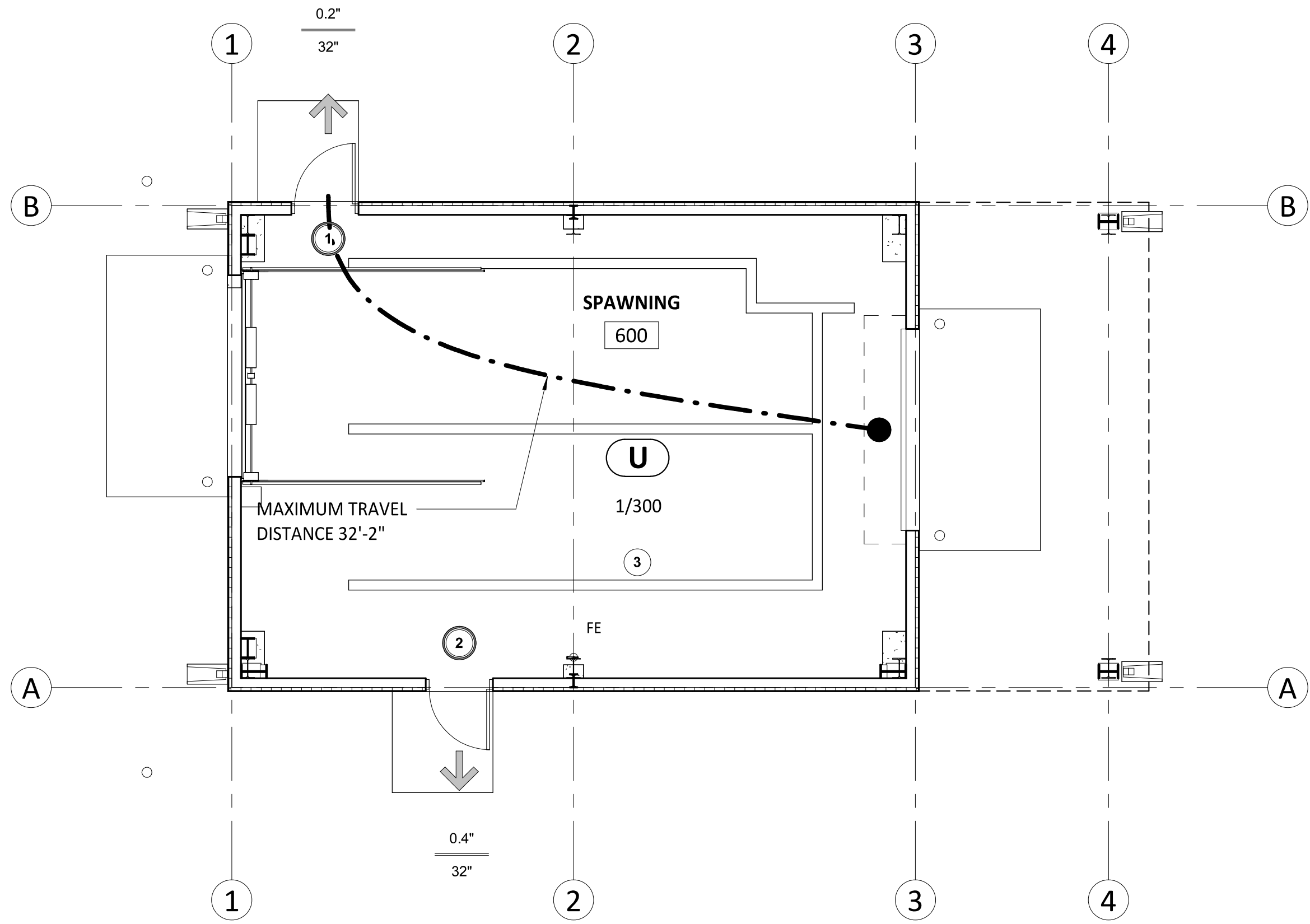
WARNING

0 1/2 1

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



| KLAMATH RIVER RENEWAL CORPORATION | | DESIGNED _____ IS | DRAWING A507 |
|---------------------------------------|--|----------------------|----------------------------|
| FALL CREEK FISH HATCHERY | | DRAWN _____ IS | |
| CHINOOK INCUBATION BUILDING DETAILS 2 | | CHECKED _____ MH | |
| | | ISSUED DATE 10/28/20 | |



SPAWNING BUILDING CODE PLAN
SCALE: 3/16" = 1'-0"



ROOF TYPES

EXTERIOR WALL TYPES

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
DELINEATION # IN SERIES

FLOOR TYPES

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.

COMMON 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. |

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WARNING

0 1/2 1

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KLAMATH RIVER RENEWAL CORPORATION

FALL CREEK FISH HATCHERY

SPAWNING BUILDING CODE PLAN

DESIGNED _____ IS

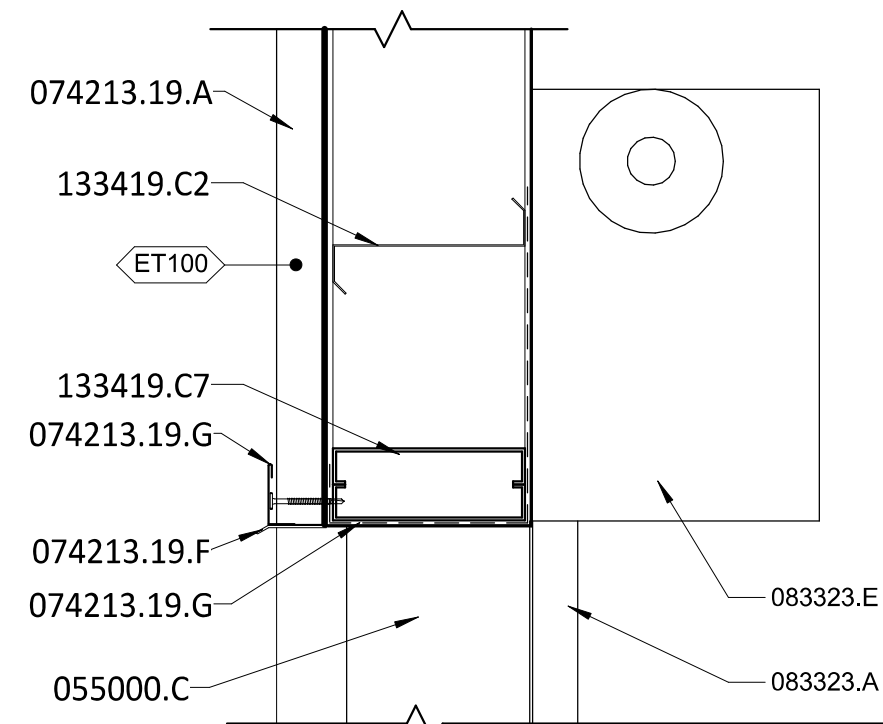
DRAWN _____ IS

CHECKED _____ MH

ISSUED DATE 10/28/20

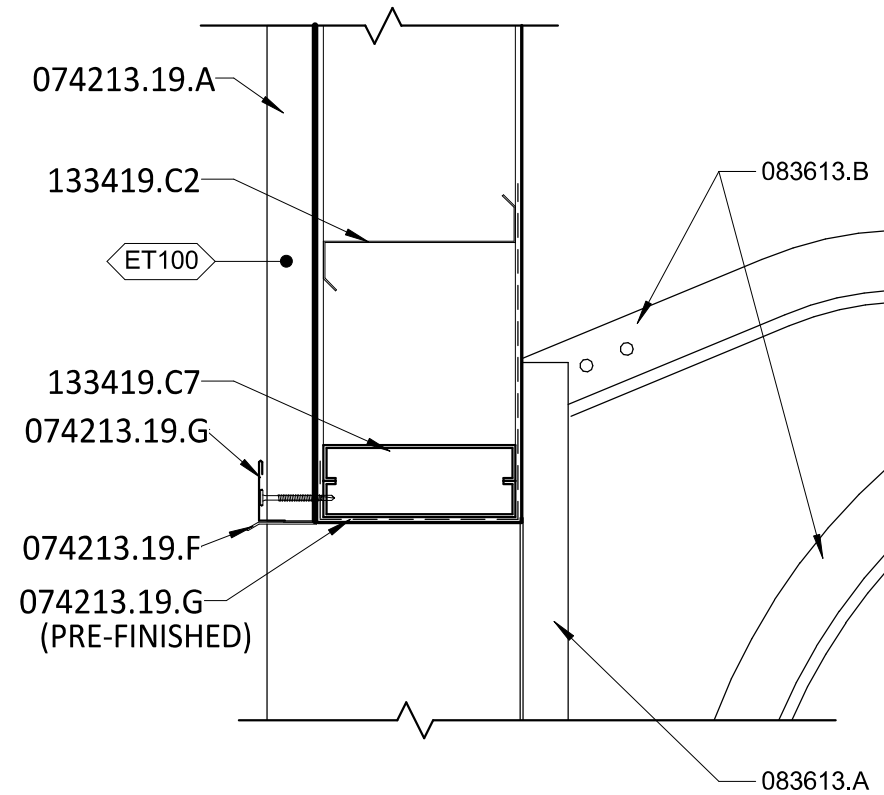
DRAWING

A600



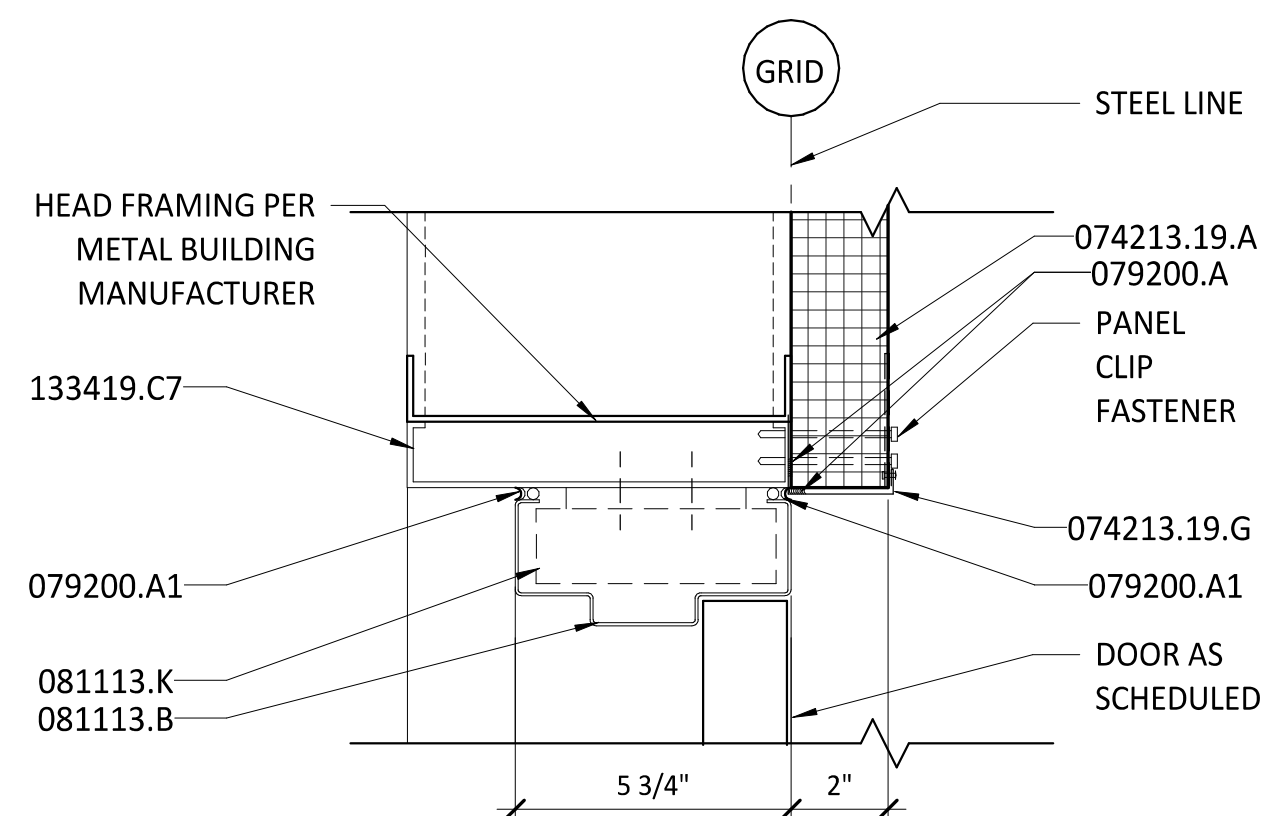
COILING DOOR HEAD

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



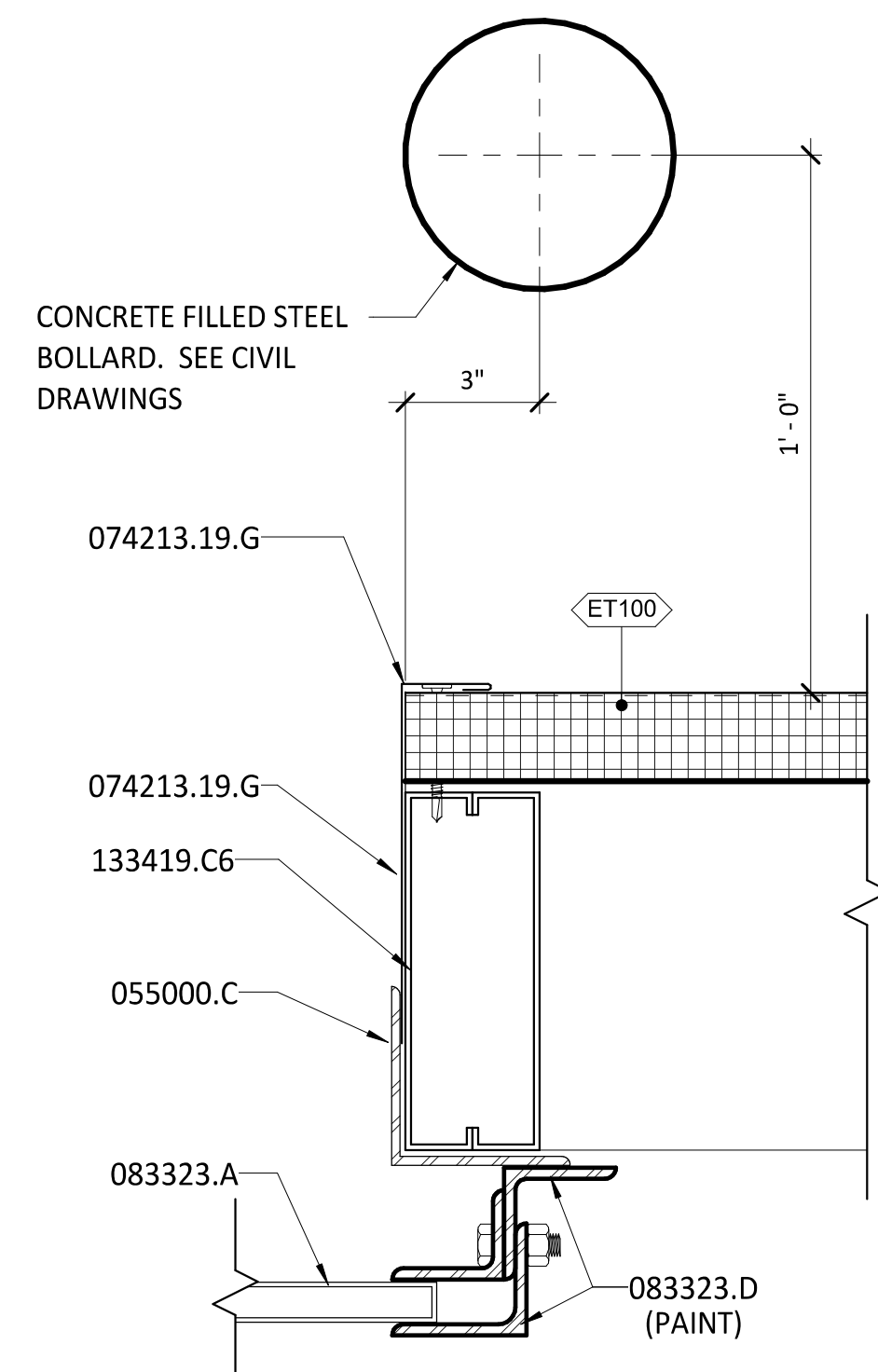
OVERHEAD DOOR HEAD

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



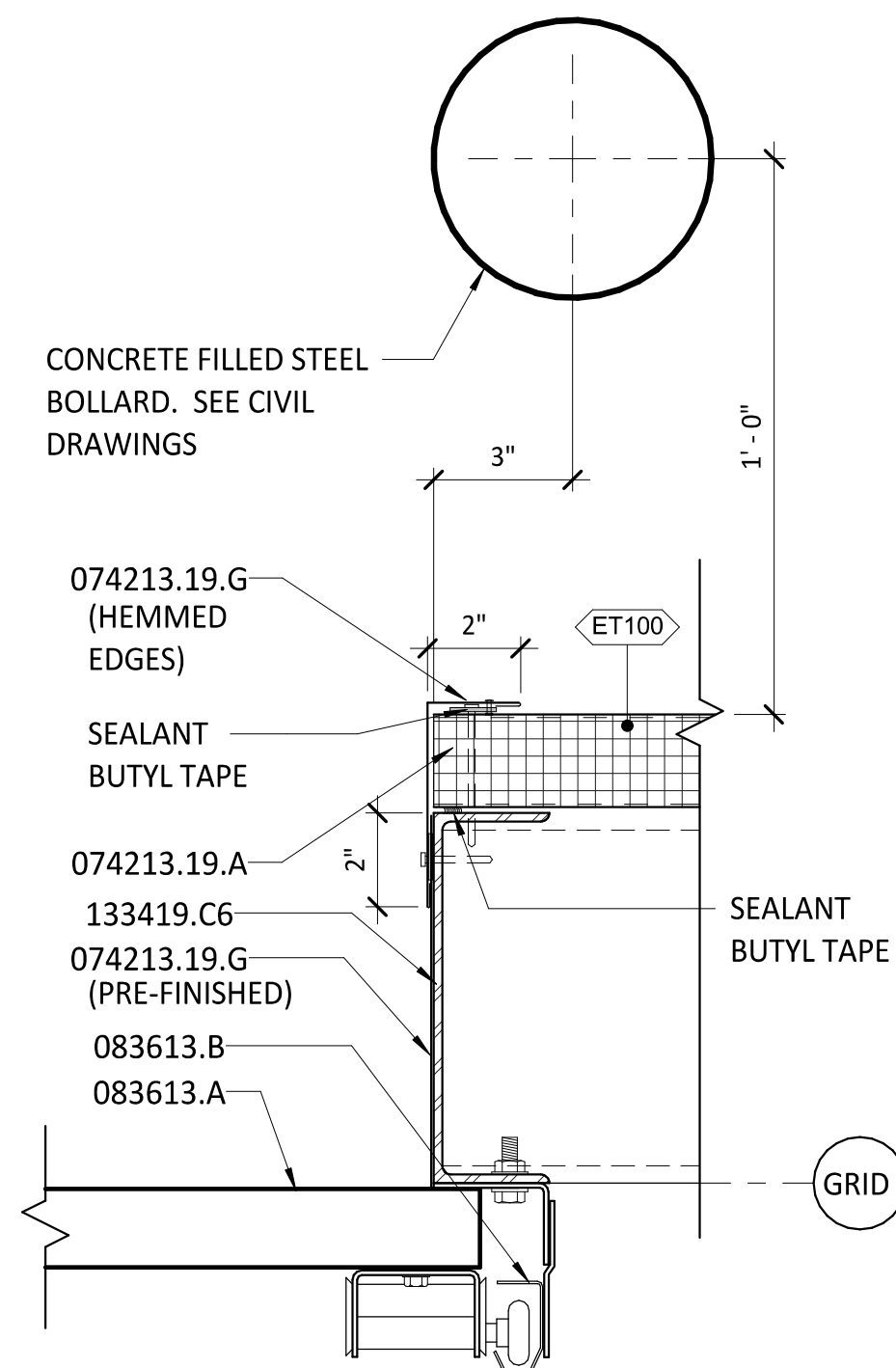
DOOR HEAD

SCALE: 3" = 1'-0'



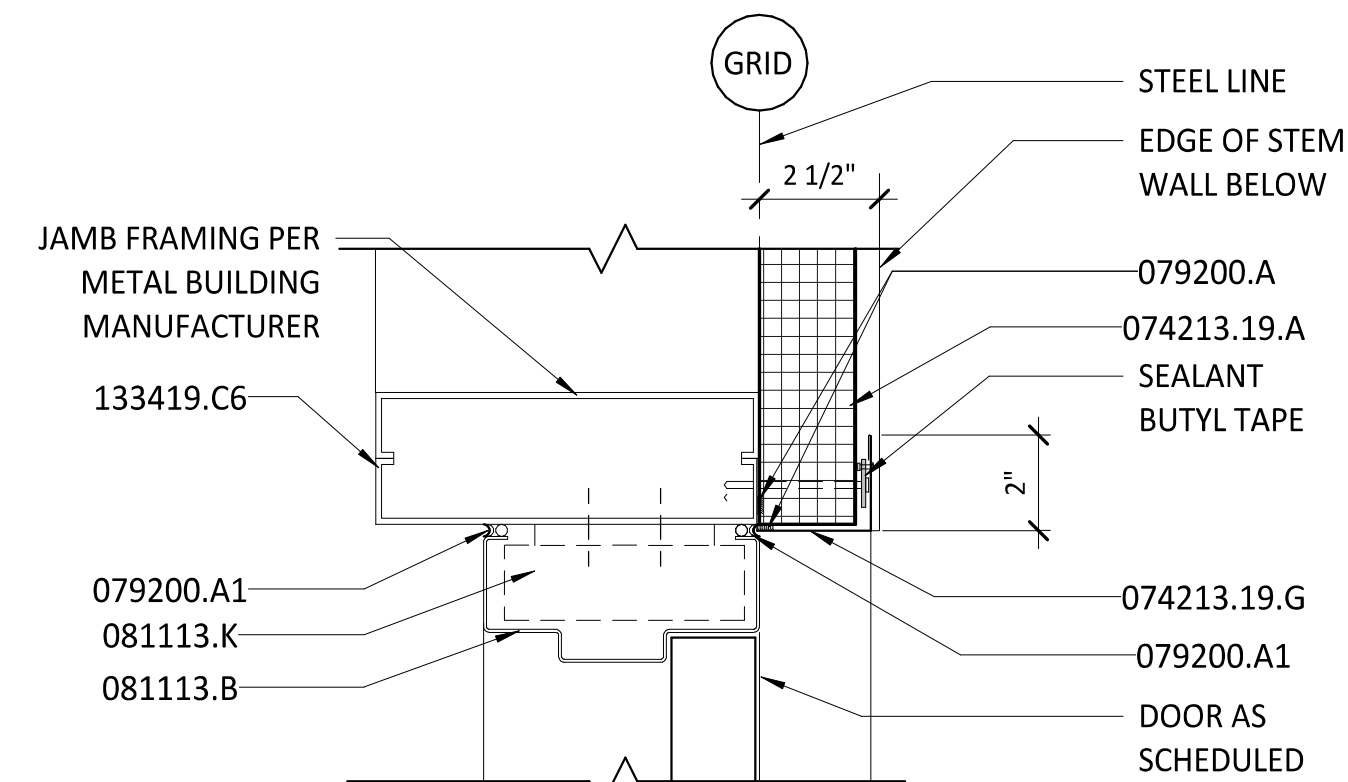
COILING DOOR JAMB

SCALE: 3" = 1'-0"



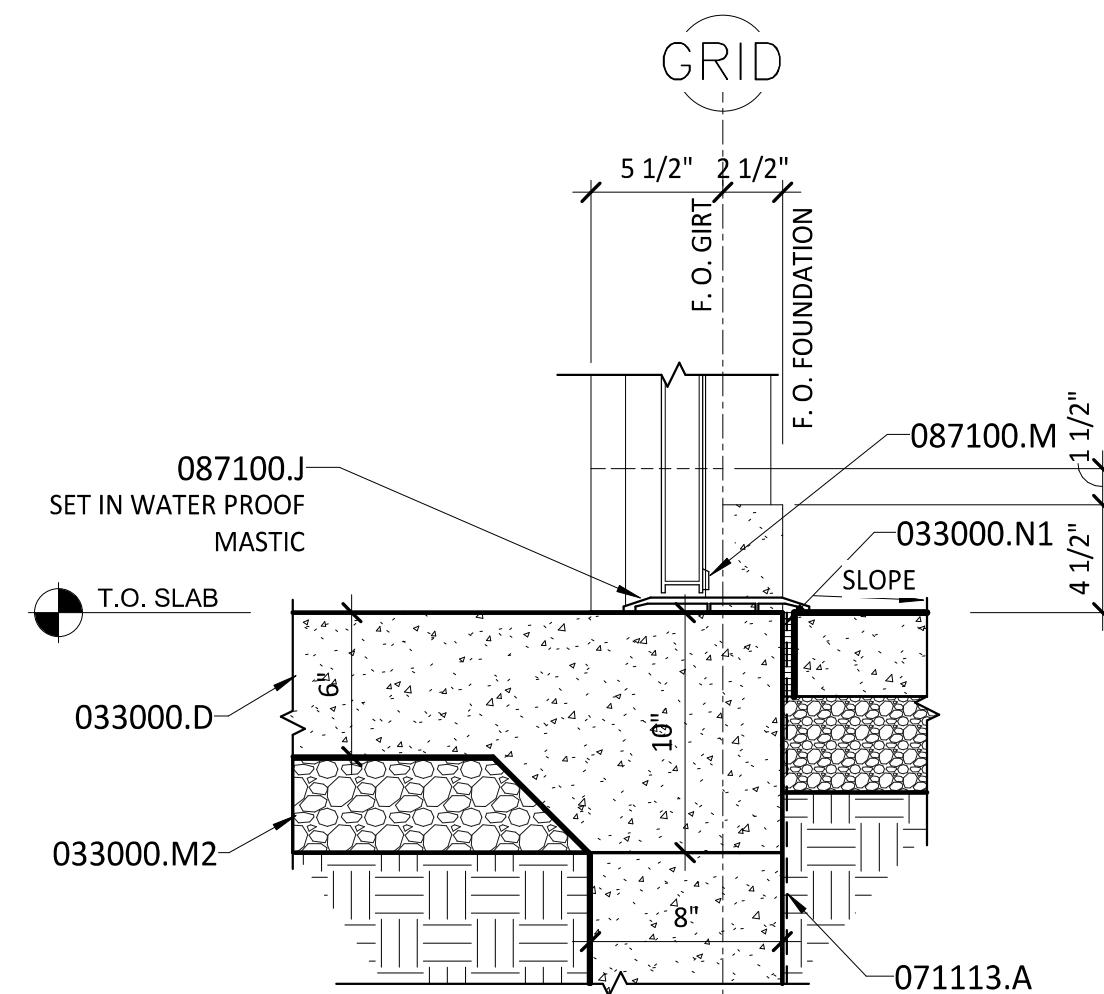
OVERHEAD DOOR JAMB

SCALE: 3" = 1'-0"



DOOR JAMB

SCALE: 3" = 1'-0'

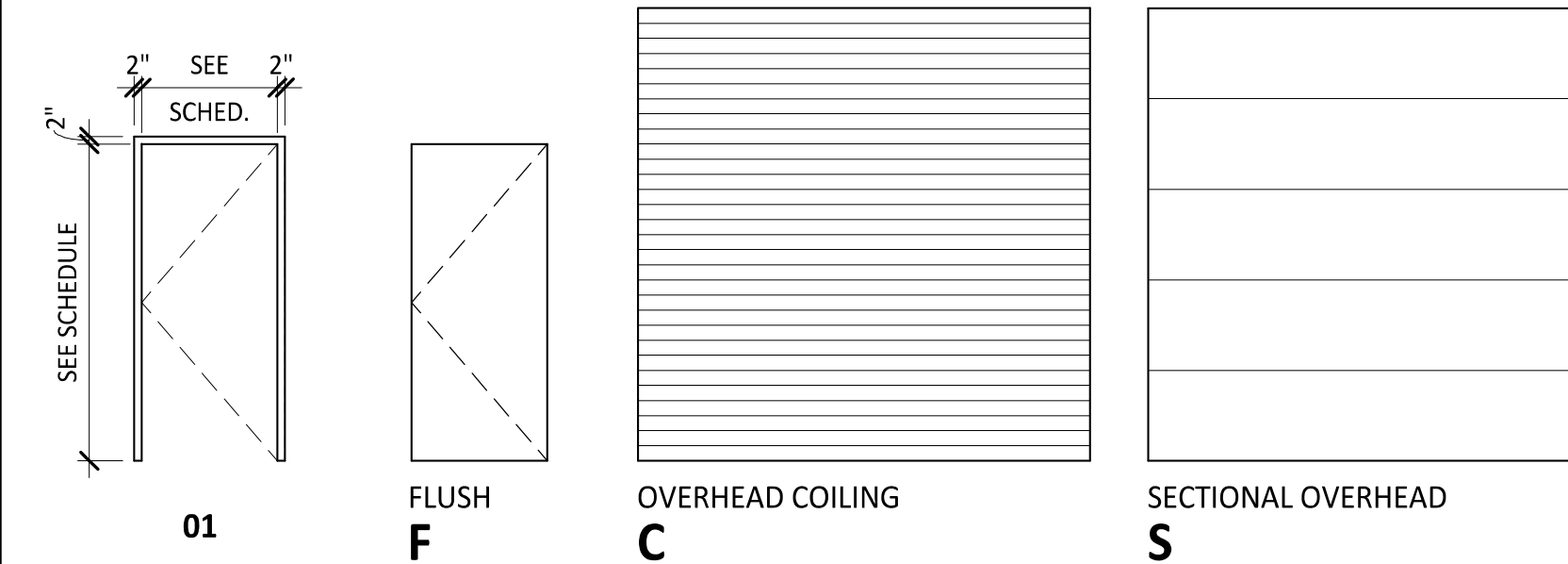


DOOR SILL DETAIL

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



| 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.

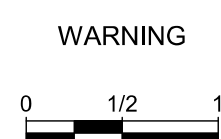
GENERAL DOOR NOTES

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.

[illegible]

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MEASURE 1" THEN
DRAWING IS NOT TO SCALE.



Klamath River Renewal Corporation

FALL CREEK FISH HATCHERY

SPAWNING BUILDING DOOR SCHEDULE AND DETAILS

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| 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

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#

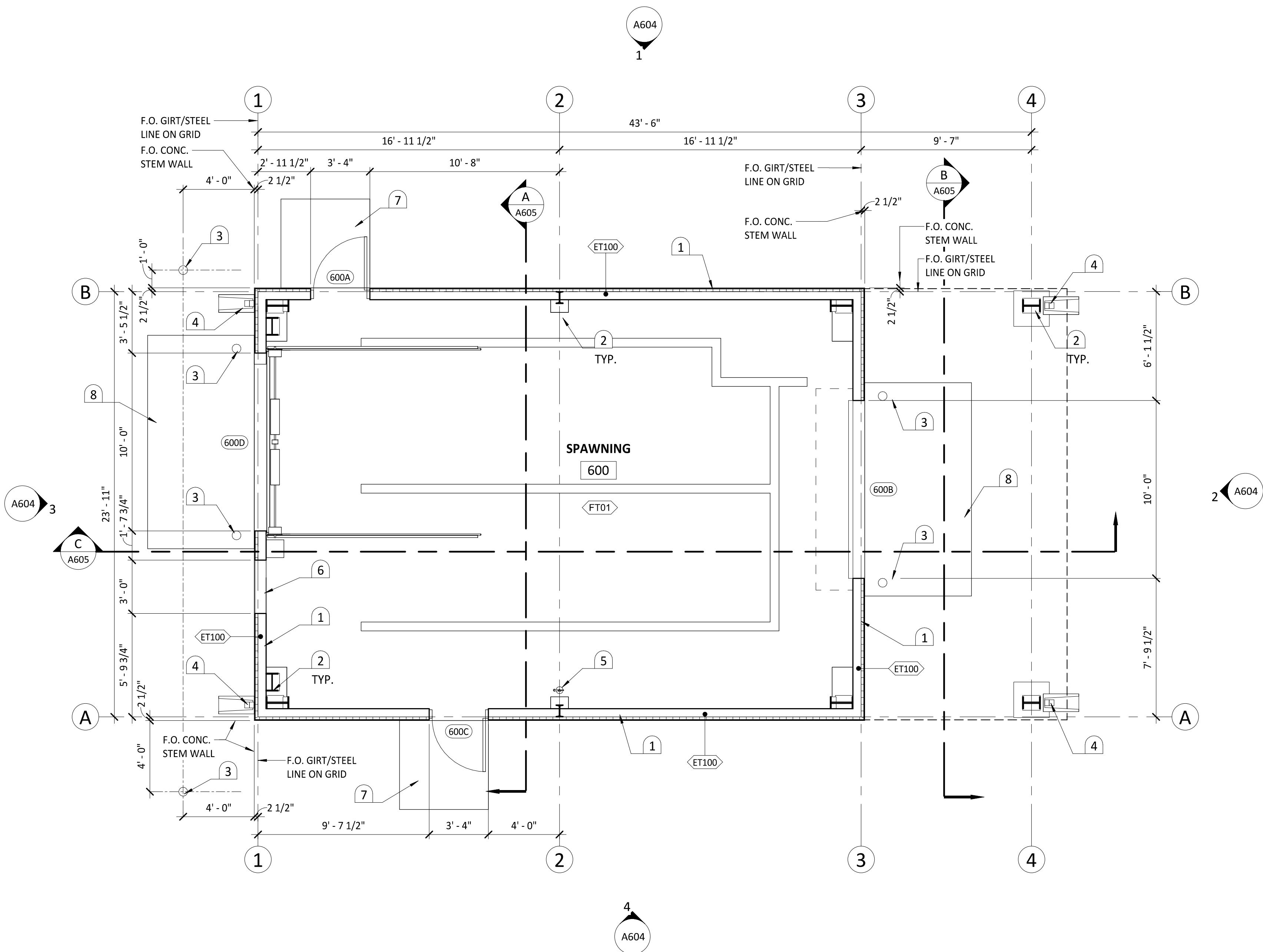
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ROOF TYPE ASSEMBLY - SEE SHEET A600

FT#

←

FLOOR TYPE ASSEMBLY - SEE SHEET A600



SPAWNING BUILDING FLOOR PLAN

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

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 CONFLICT EXISTS.

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WARNING



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KLAMATH RIVER RENEWAL CORPORATION

FALL CREEK FISH HATCHERY

SPAWNING BUILDING OVERALL FLOOR PLAN

DESIGNED _____ IS

DRAWN _____ IS

CHECKED _____ MH

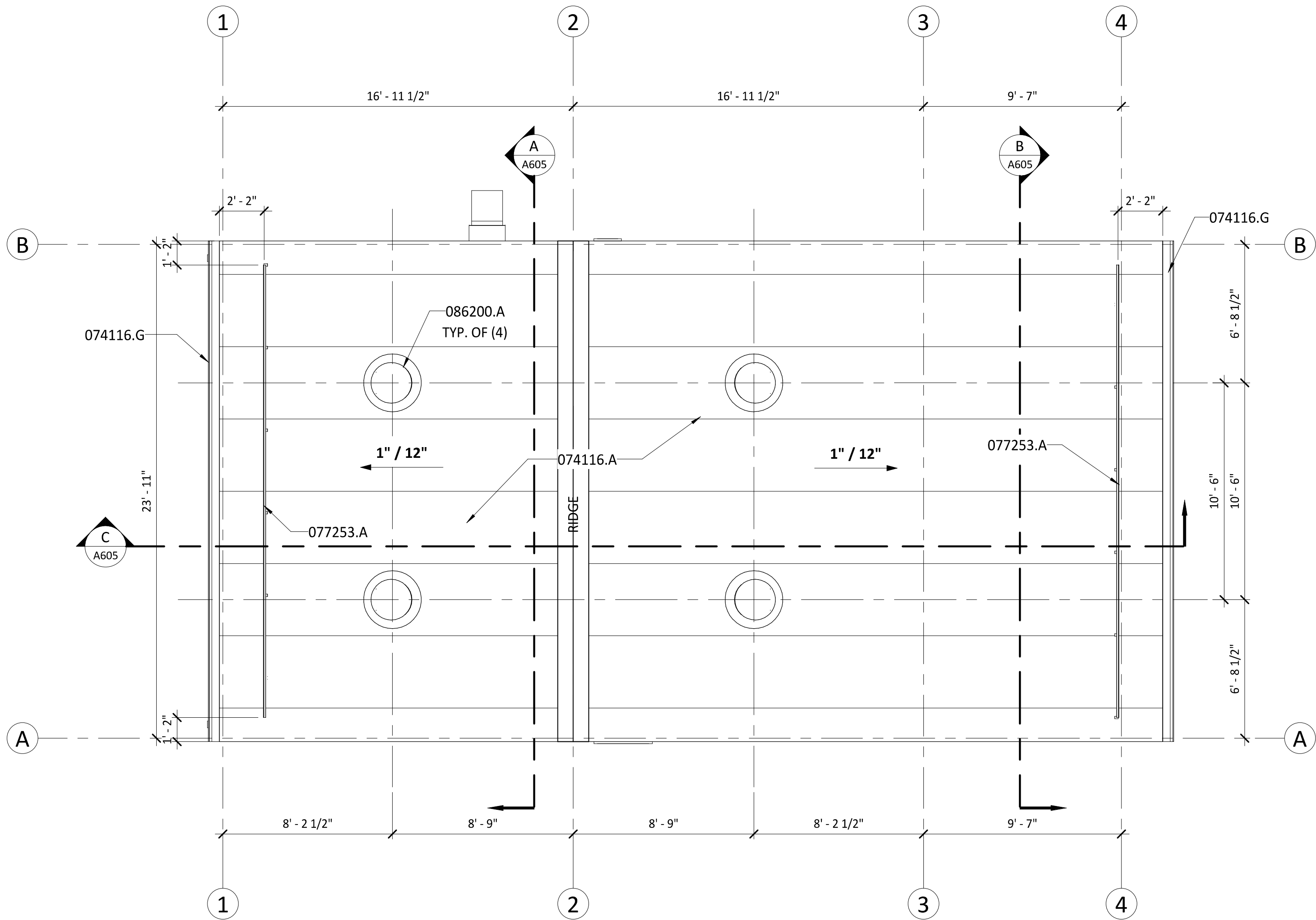
ISSUED DATE 10/28/20

DRAWING

A602

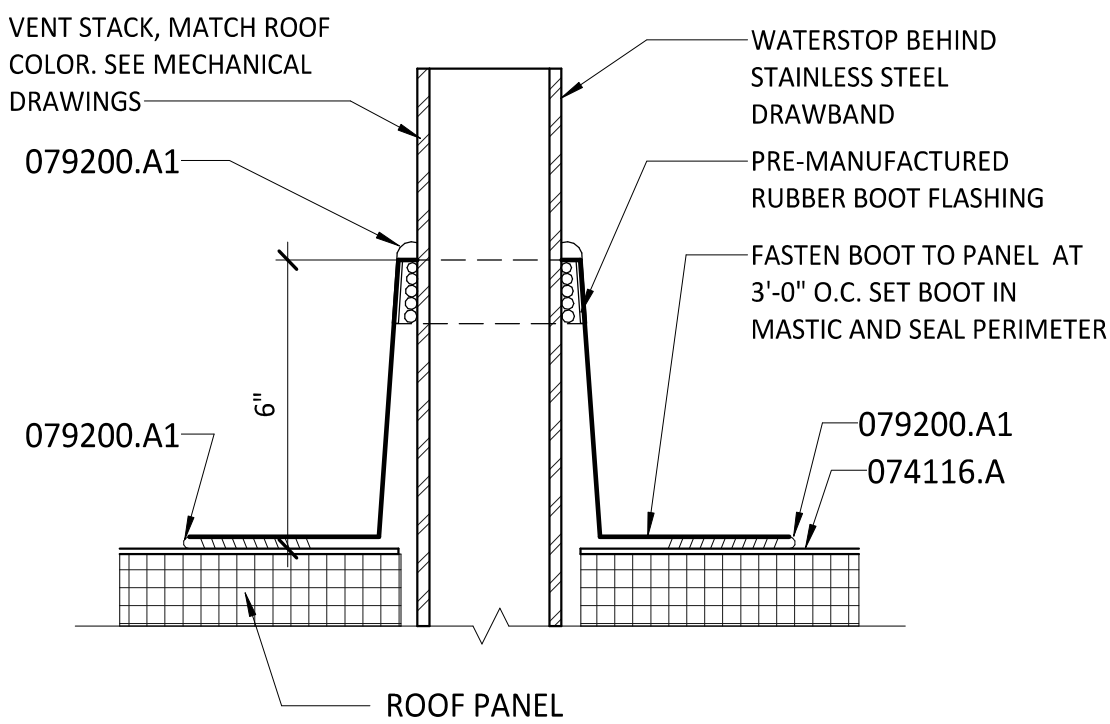
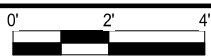
| CONDOC | |
|-----------|----------------------------------|
| 074116.A | INSULATED-CORE METAL ROOF PANEL. |
| 074116.G | GUTTER. |
| 077253.A | SNOW GUARD. |
| 079200.A1 | SEALANT OVER BACKER ROD. |
| 086200.A | UNIT SKYLIGHT. |

| 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. |



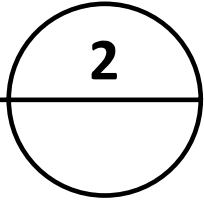
SPAWNING BUILDING ROOF PLAN

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



ROOF PENETRATION

SCALE: 3" = 1'-0"



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WARNING

0 1/2 1

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KLAMATH RIVER RENEWAL CORPORATION

FALL CREEK FISH HATCHERY

SPAWNING BUILDING ROOF PLAN

DESIGNED _____ IS


DRAWN _____ IS

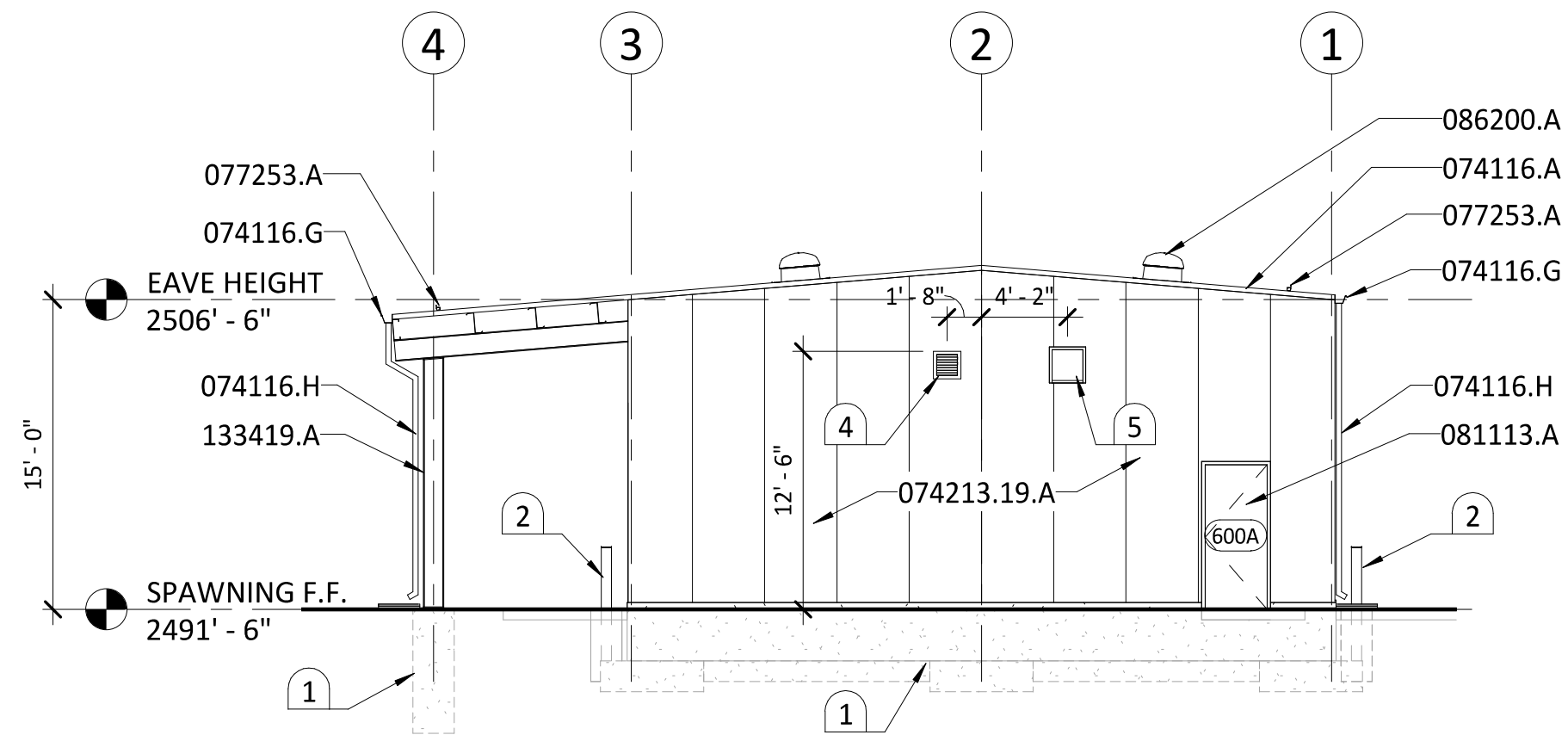
CHECKED _____ MH

ISSUED DATE 10/28/20

DRAWING

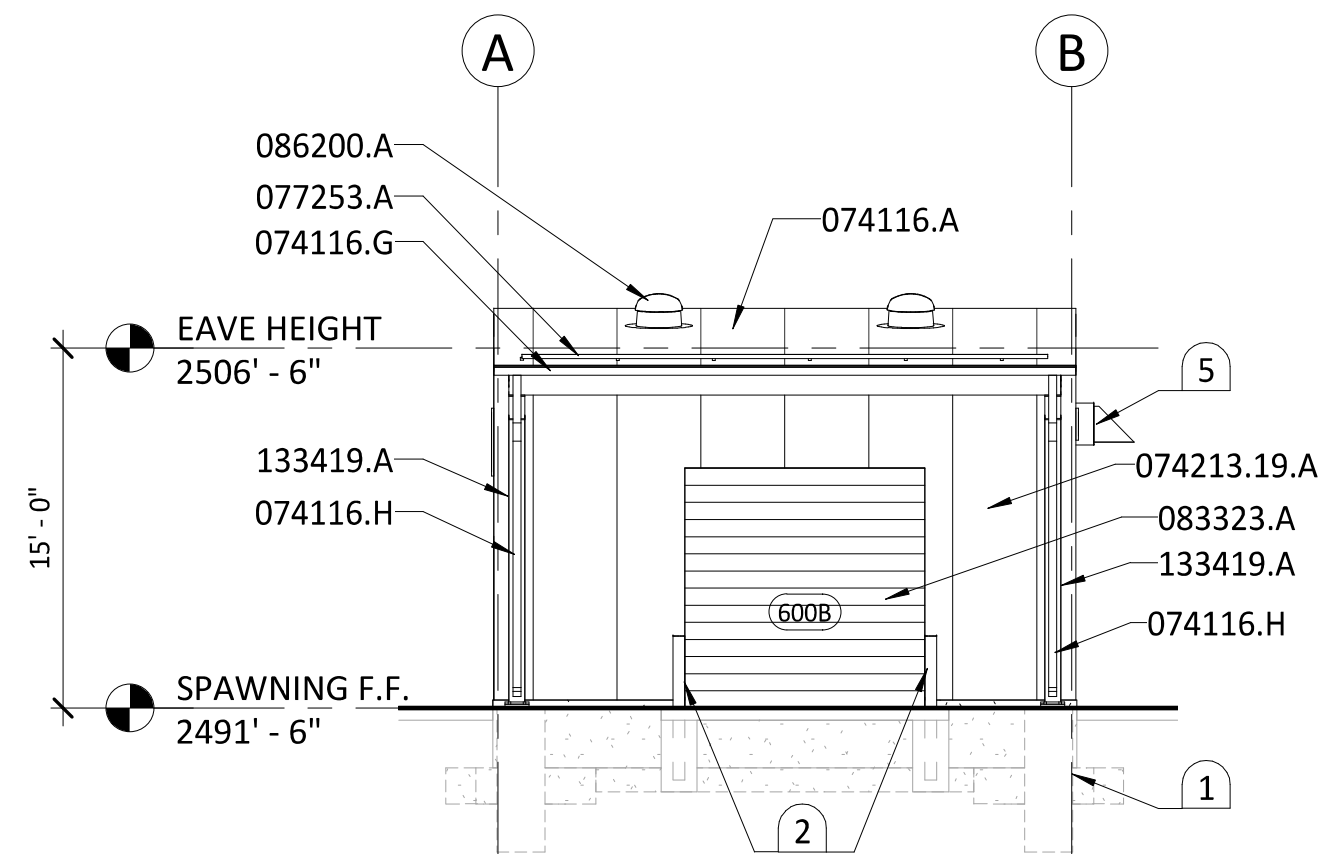
A603

| 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. |
| <div>  KEYNOTES </div> | |
| 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. |



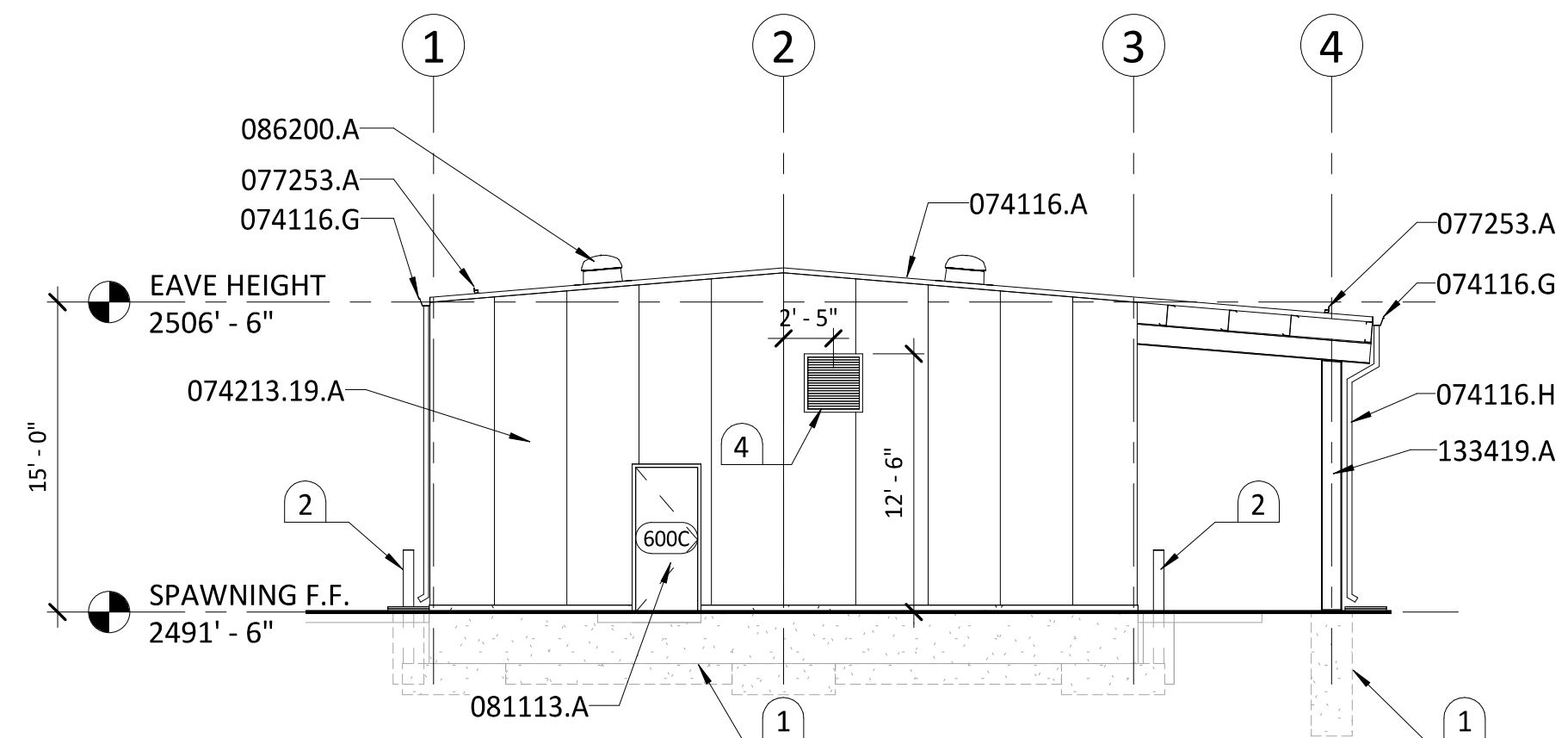
SPAWNING BUILDING NORTH ELEVATION

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



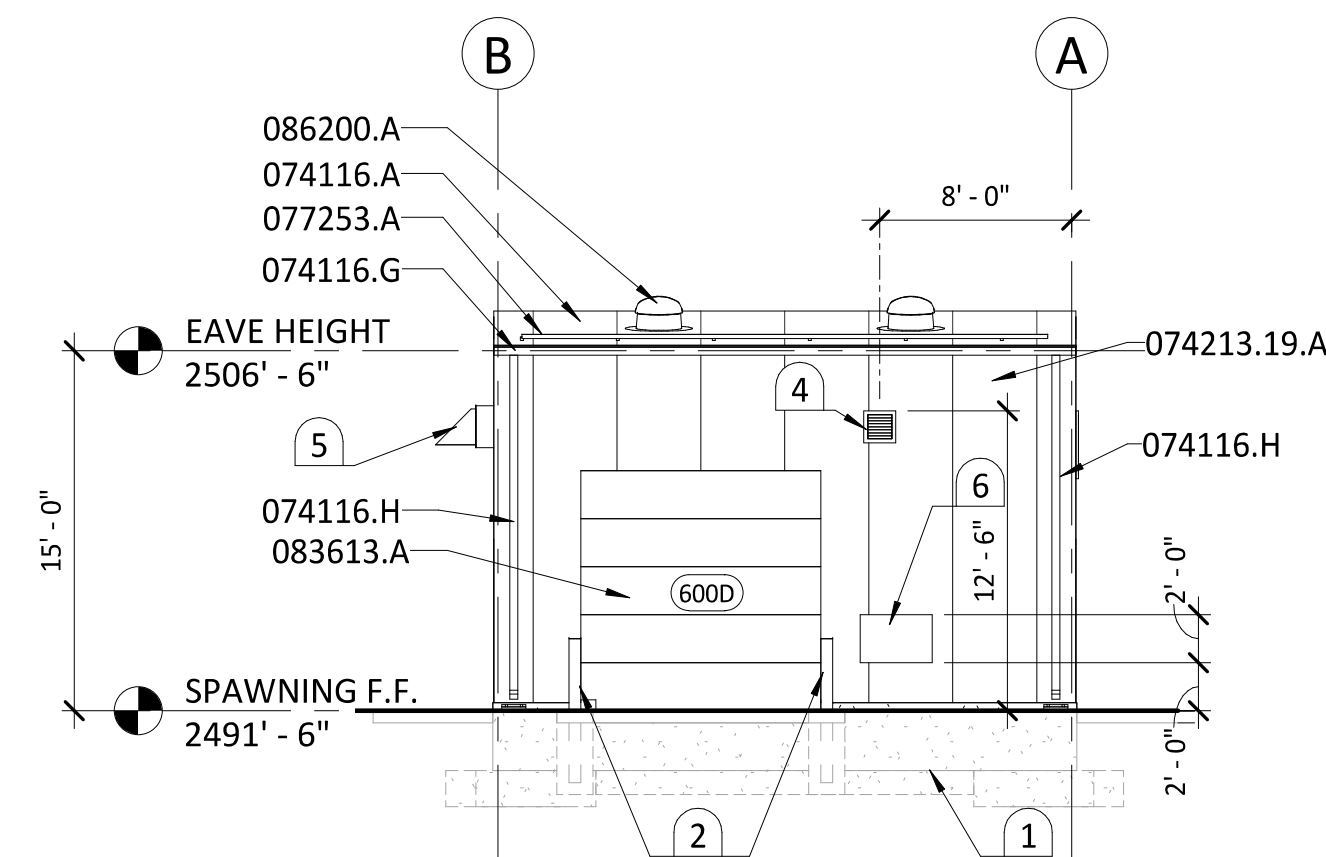
SPAWNING BUILDING EAST ELEVATION

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



SPAWNING BUILDING SOUTH ELEVATION

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



SPAWNING BUILDING WEST ELEVATION

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

| 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. |

[illegible]

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.



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



KLAMATH RIVER RENEWAL CORPORATION

FALL CREEK FISH HATCHERY

SPAWNING BUILDING EXTERIOR ELEVATIONS 1

DESIGNED IS

DRAWN _____ IS

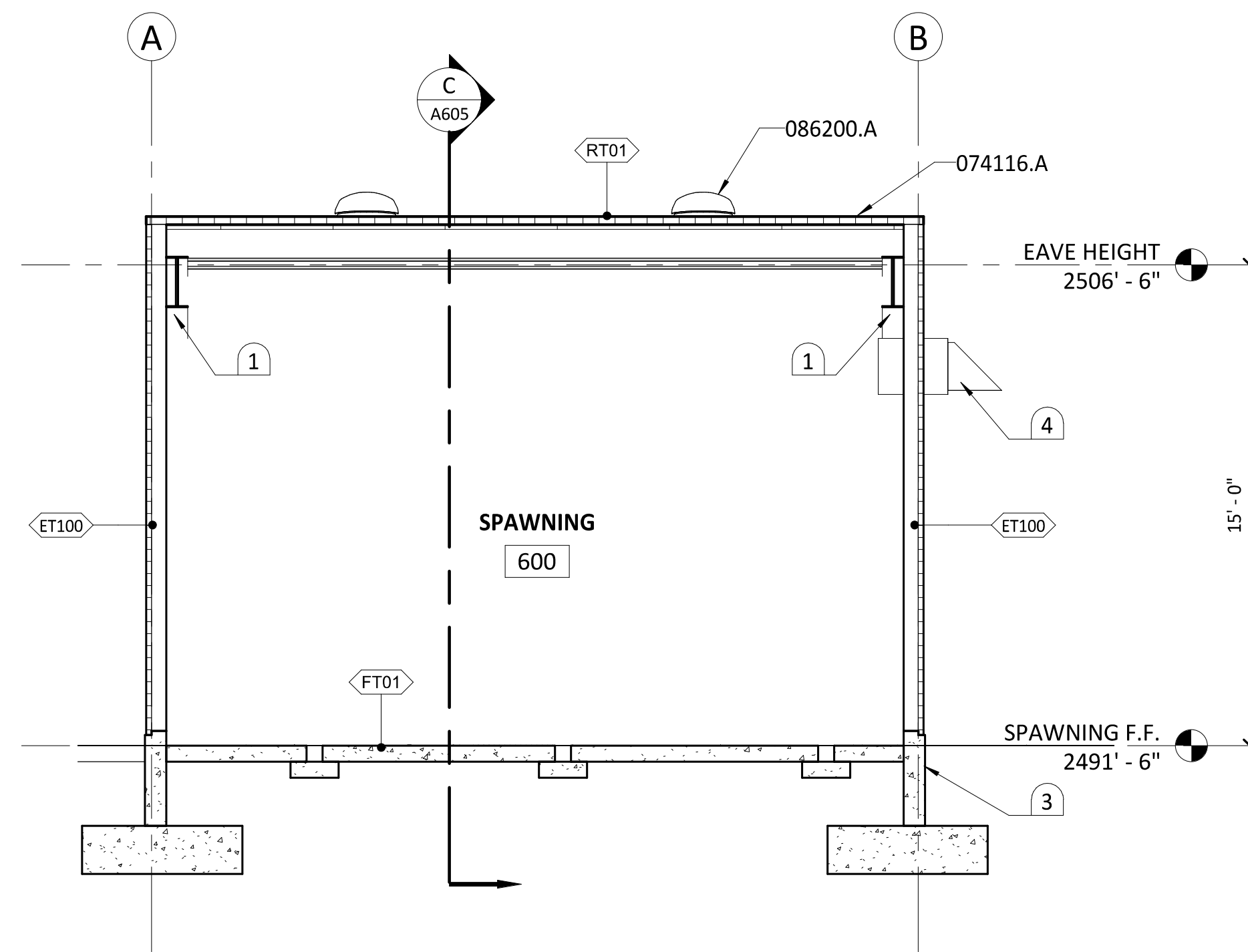
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ISSUED DATE 10/28/20

DRAWING

A604

17027.01

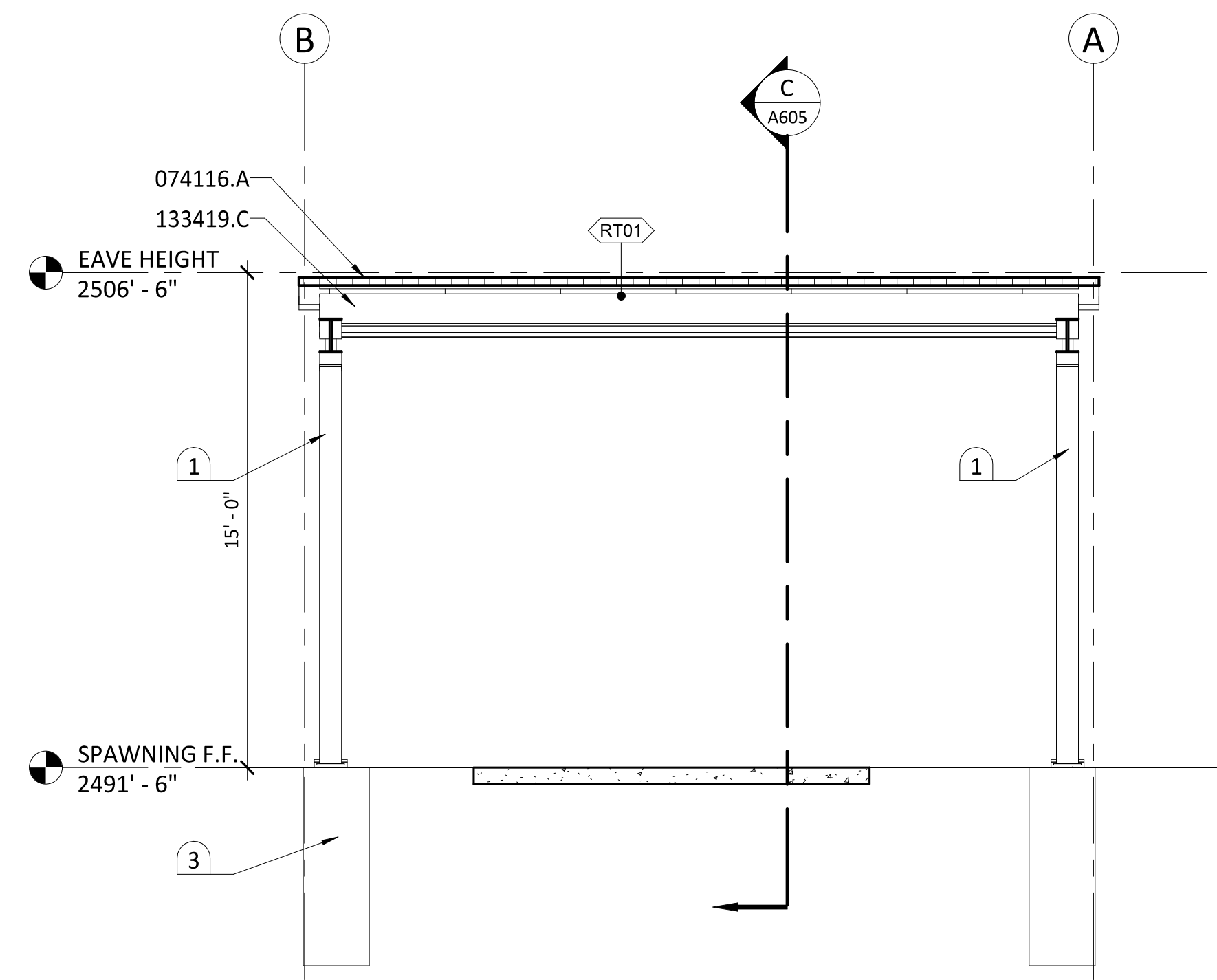


BUILDING SECTION

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

A

A602

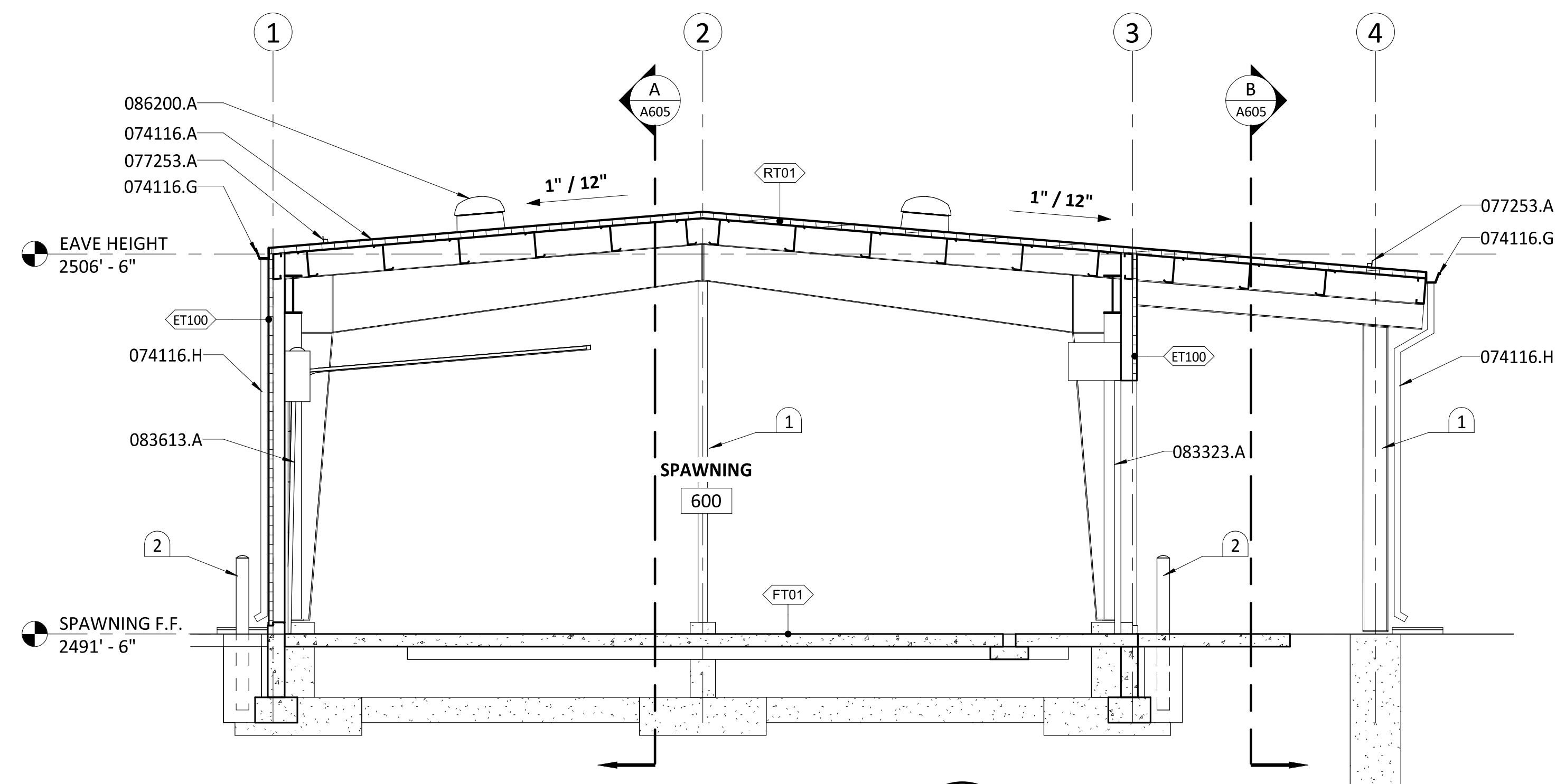


BUILDING SECTION

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

B

A602



BUILDING SECTION

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

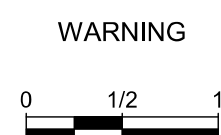
C

A602

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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.



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



Klamath River Renewal Corporation

FALL CREEK FISH HATCHERY

SPAWNING BUILDING SECTIONS 1

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.

DRAWING

| | |
|----------|----|
| DESIGNED | IS |
|----------|----|

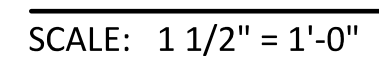
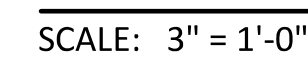
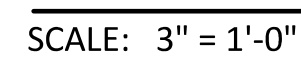
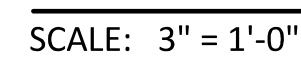
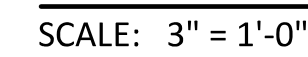
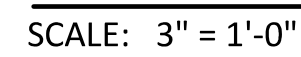
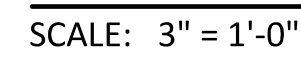
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ISSUED DATE 10/28/20

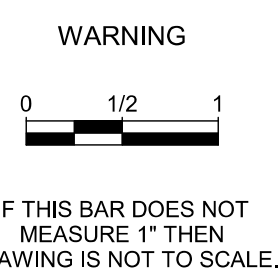
A605

| | |
|-------------|---|
| 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. |



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.



SPAWNING BUILDING DETAILS 1

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

DRAWING

A606

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 AISI 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.

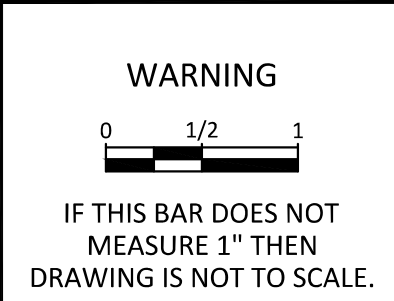
B. STATEMENT OF SPECIAL INSPECTIONS

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" |

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



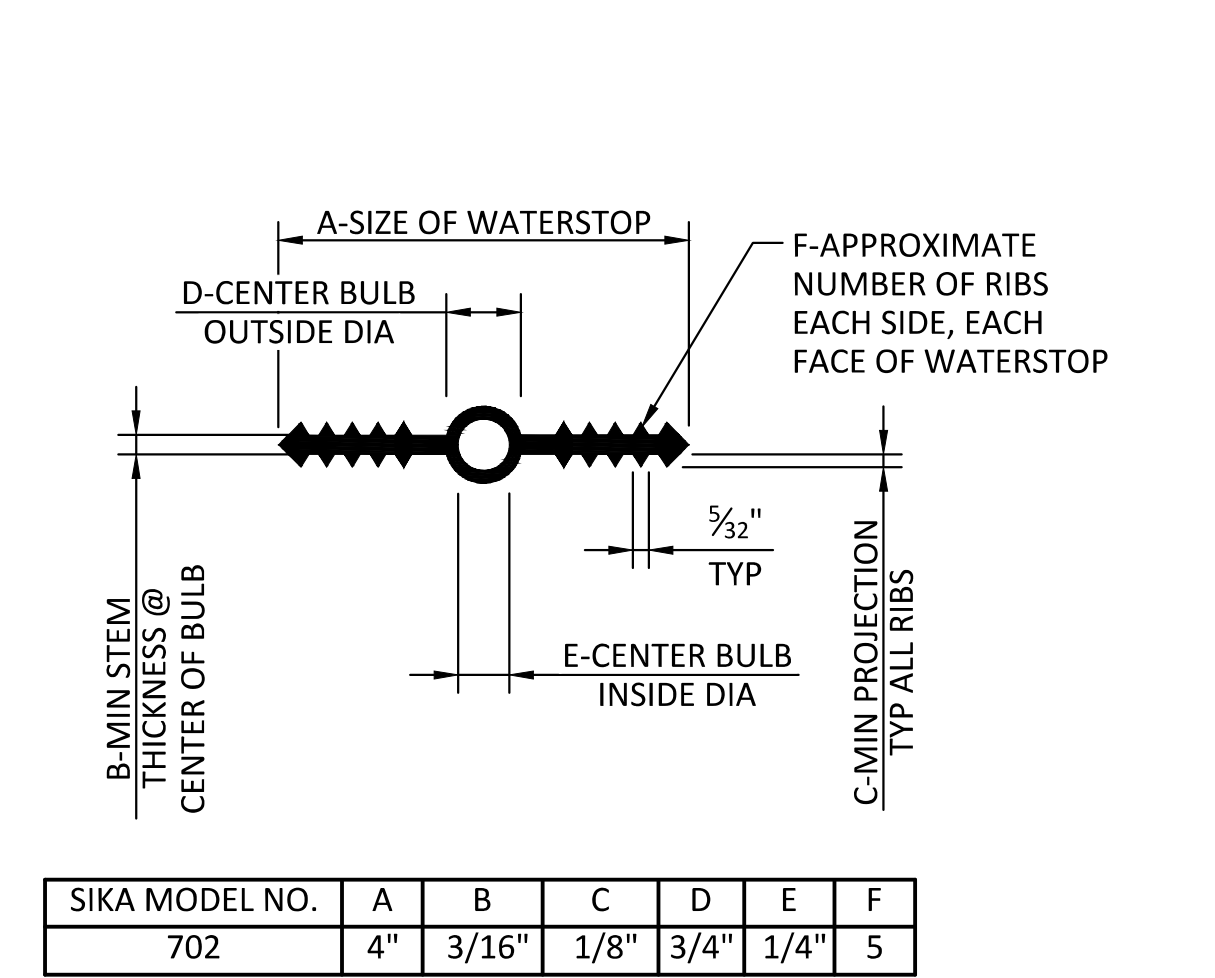
| | | |
|-----------------------------------|------------------------------|-----------------------------|
| KLAMATH RIVER RENEWAL CORPORATION | DESIGNED <u>Z. AUTIN</u> | DRAWING GS001 |
| FALL CREEK FISH HATCHERY | DRAWN <u>R. GUERRERO</u> | |
| STRUCTURAL GENERAL NOTES | CHECKED <u>T. BOWEN</u> | |
| | PROJECT DATE <u>10/28/20</u> | |

| TYPICAL LAP SPlice LENGTHS IN INCHES, PER ACI 318/350 | | | | | |
|---|--------------|--------------------|--------------|---------------|--------------|
| BAR SIZE (#) | BAR POSITION | CLASS B LAP LENGTH | | Ld | |
| | | 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:
- FOR GRADE 60 REINFORCING STEEL BARS.
 - FOR CONCRETE COMPRESSIVE STRENGTH $f'_c=4,500$ PSI
 - TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12" OF CONCRETE CAST BELOW THE BARS.
 - ALL REINFORCING HOOKS SHALL BE PER ACI STANDARDS.

LAP SPlice AND DEVELOPMENT LENGTH SCHEDULE

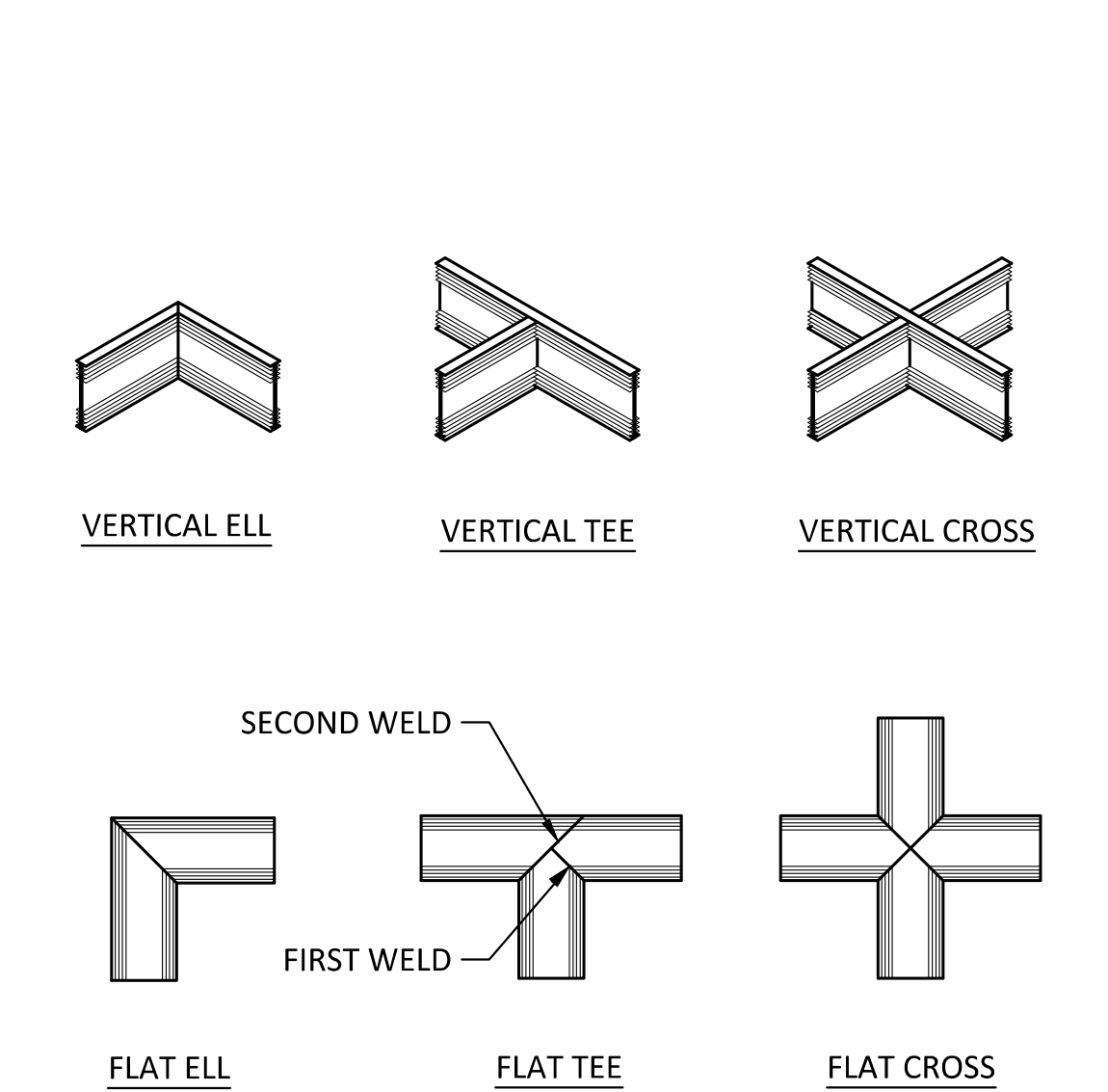
SCALE: NTS



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

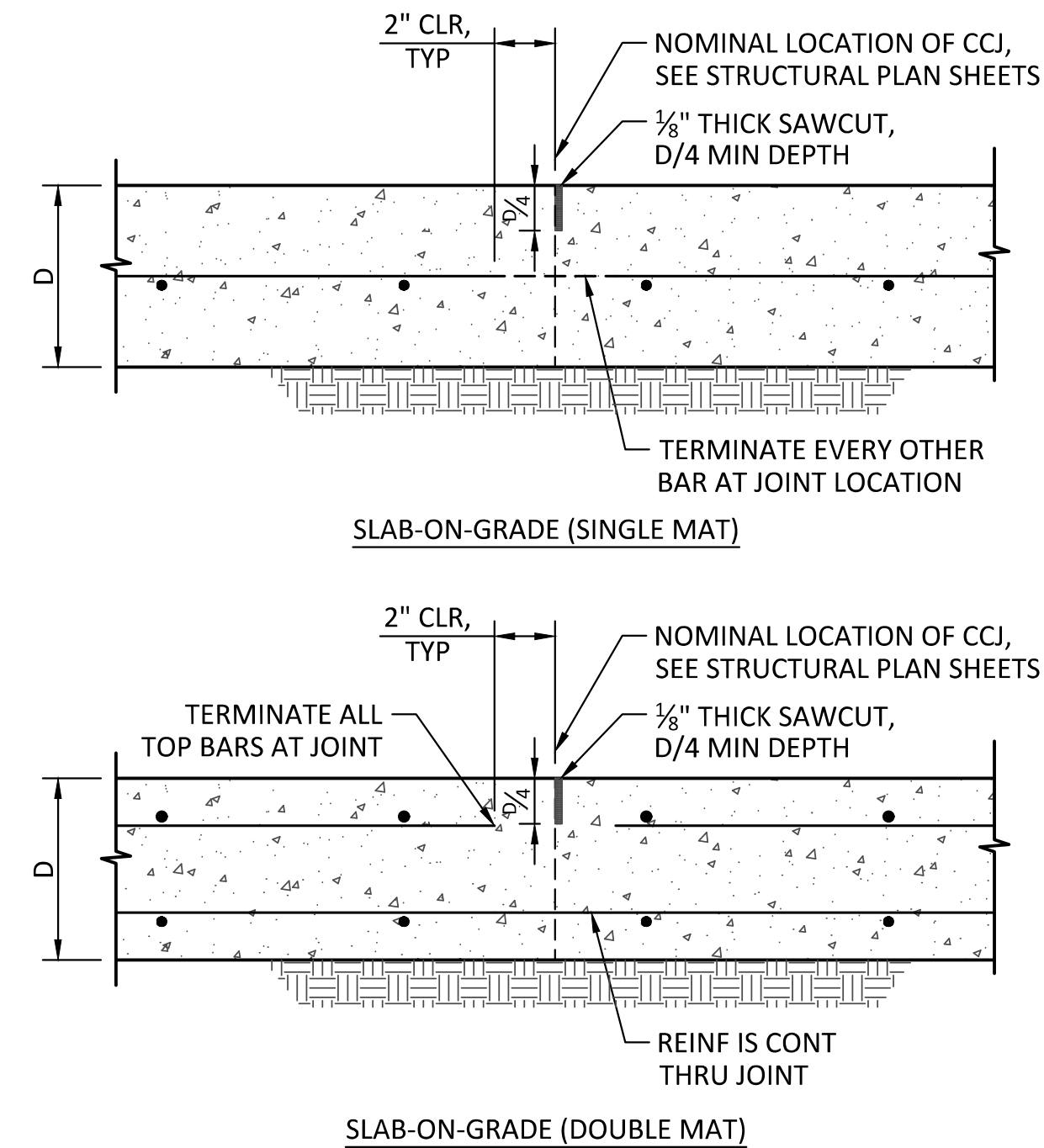
PVC WATERSTOP DETAIL

SCALE: NTS



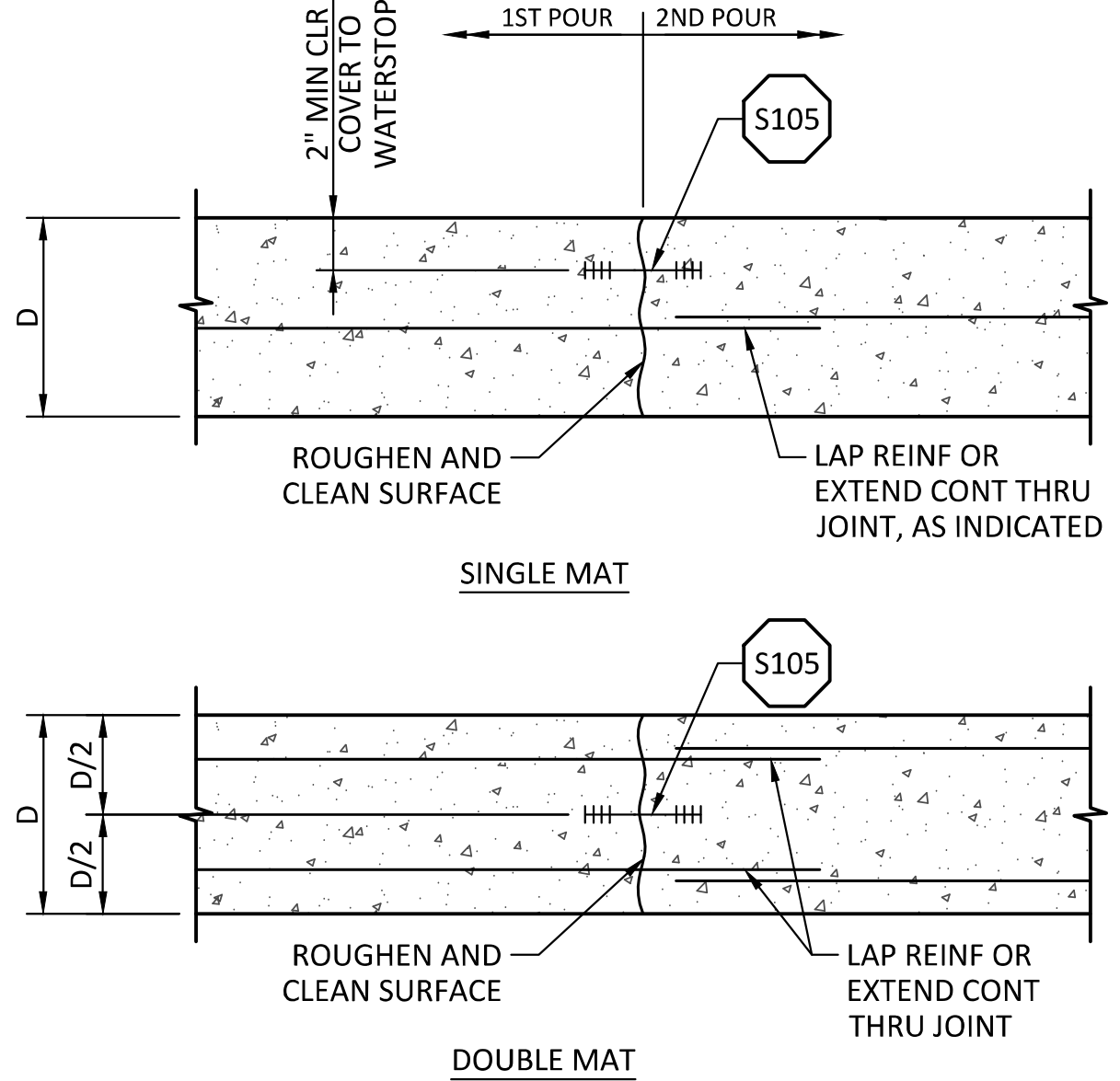
PREFABRICATED WATERSTOP JOINTS

SCALE: NTS



CRACK CONTROL JOINTS (CCJ) AT SLAB ON GRADE

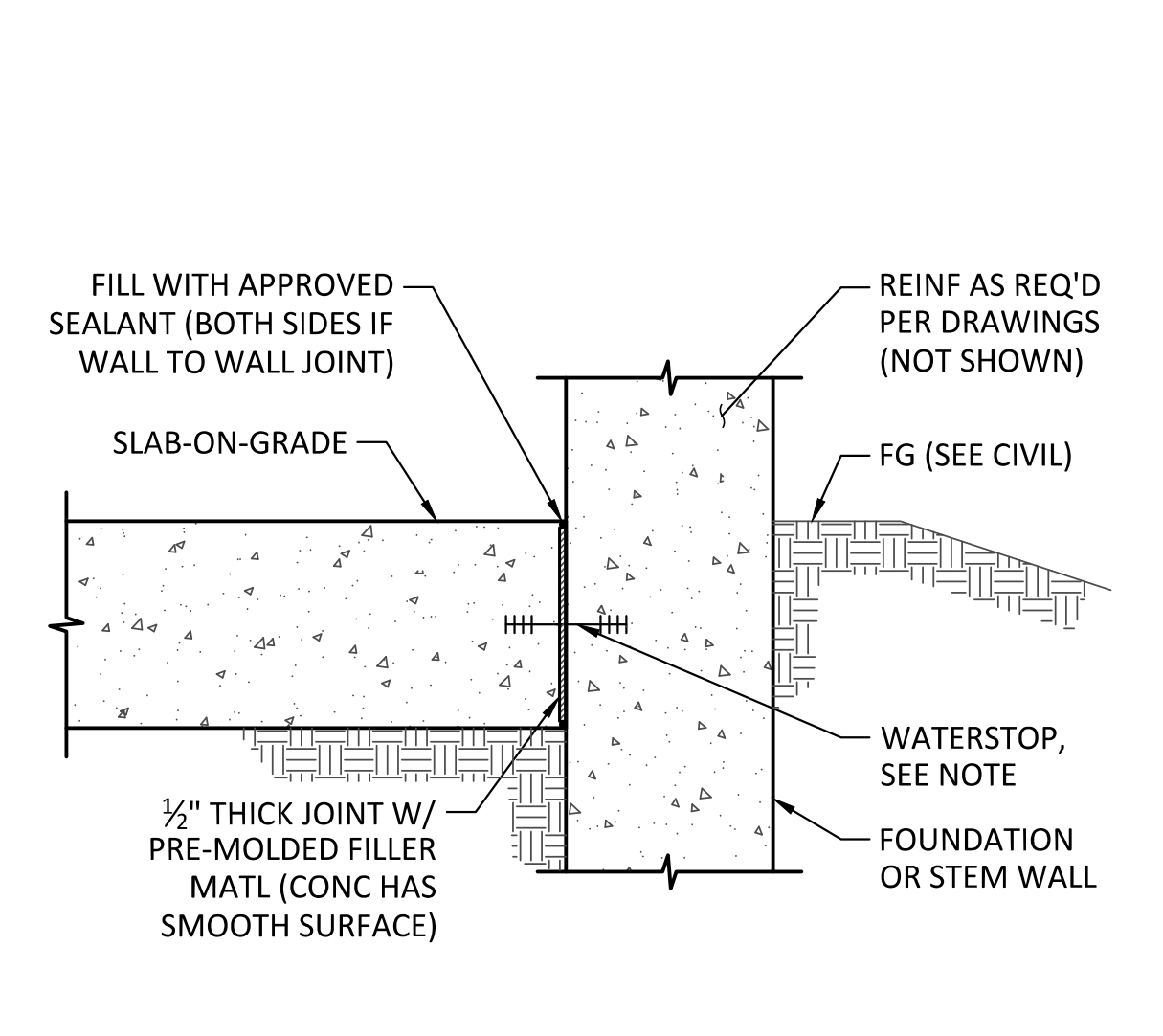
SCALE: NTS



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

CONSTRUCTION JOINTS (CJ)

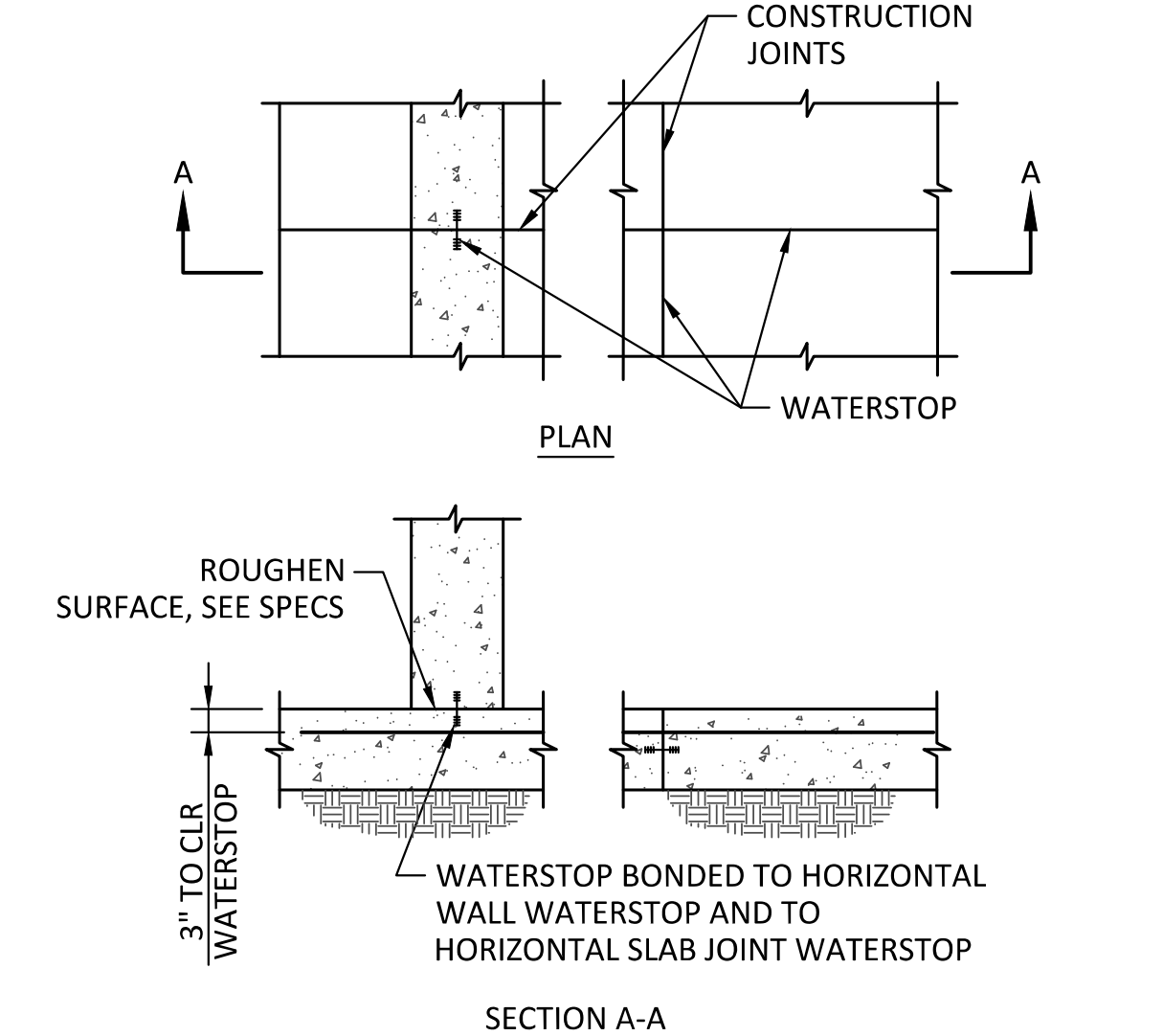
SCALE: NTS



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

PRE-MOLDED JOINT FILLER (PJF)

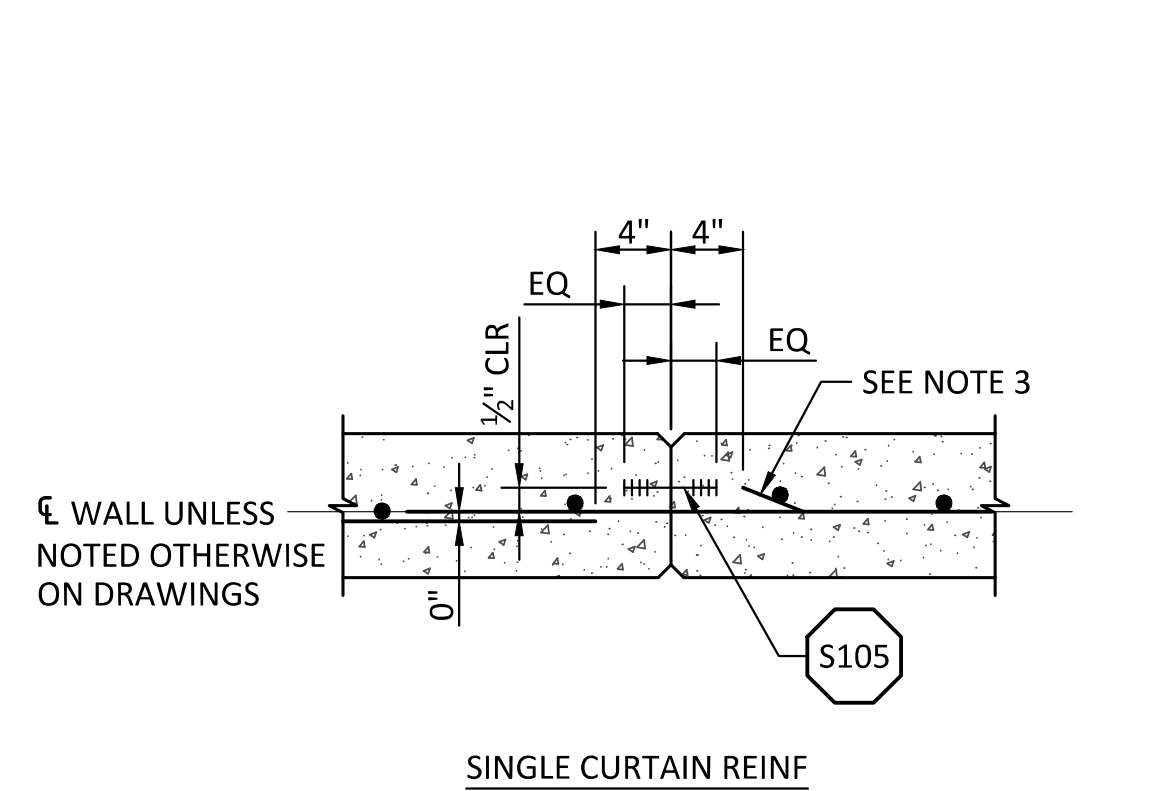
SCALE: NTS



- NOTE:
- 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)

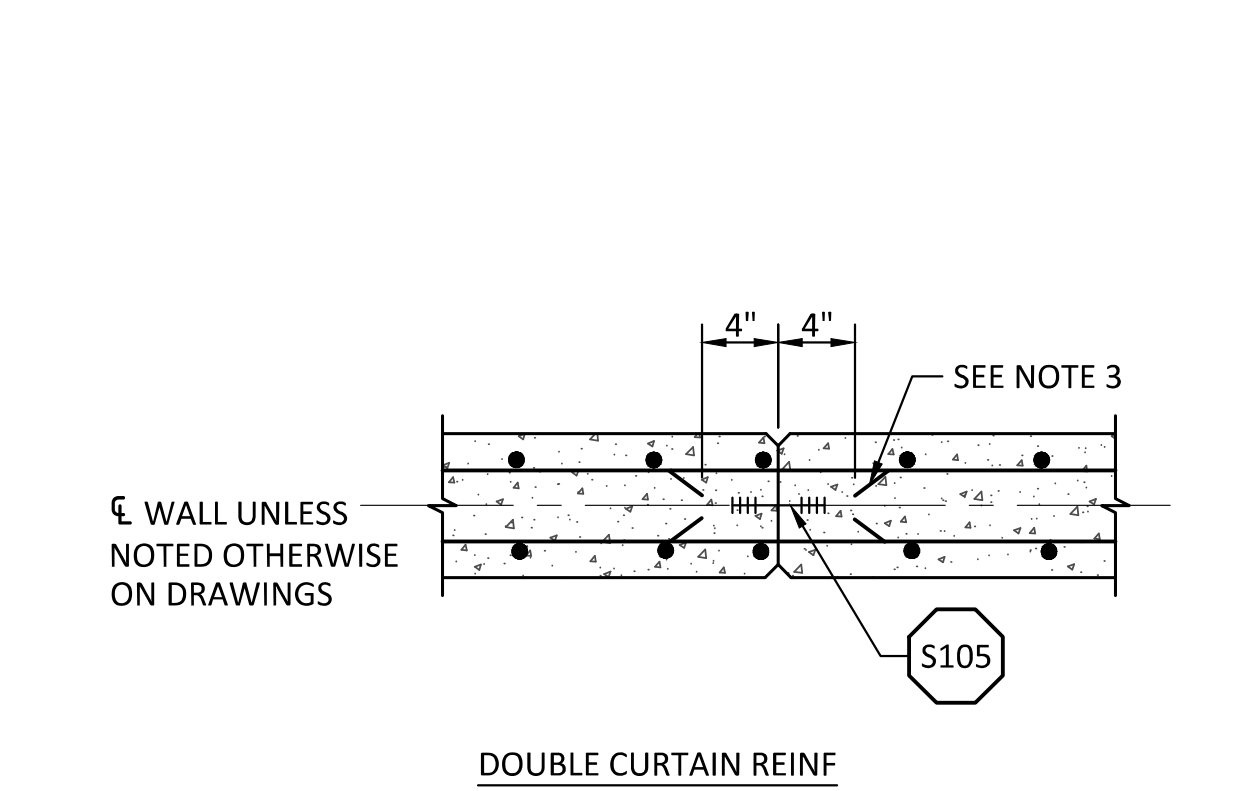
SCALE: NTS



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

VERTICAL WALL CONSTRUCTION JOINT WITH WATERSTOP

SCALE: NTS

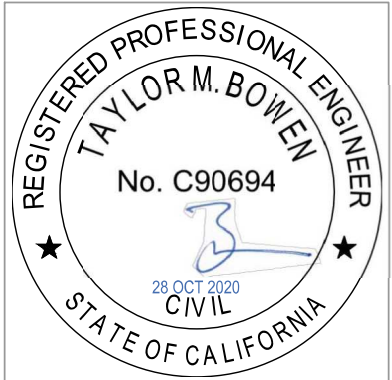


- NOTES:
- WHERE WATERSTOP IS REQUIRED IN SINGLE CURTAIN WALL REINFORCEMENT, PLACE WATERSTOP ON WATER SIDE OF WALL.
 - UNLESS OTHERWISE NOTED $3/4$ " CHAMFERS SHALL BE OMITTED IN SURFACES TO RECEIVE ARCHITECTURAL TREATMENT.
 - UNLESS SPECIFICALLY NOTED OTHERWISE #5 AND LARGER BARS SHALL BE CONTINUOUS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

VERTICAL WALL CONSTRUCTION JOINT WITH WATERSTOP

SCALE: NTS

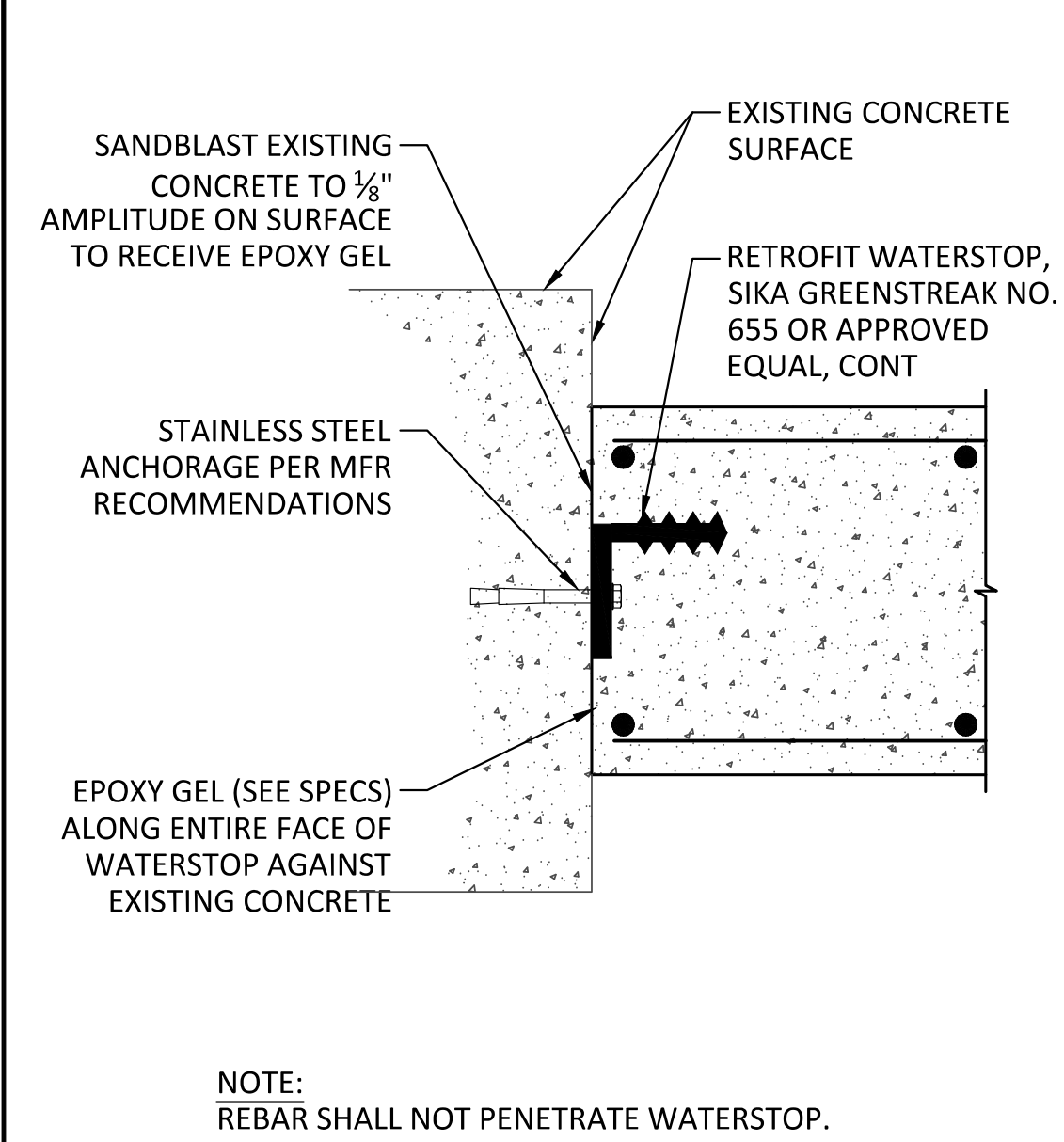
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| 0 | 10/28/20 | MDM | ISSUED FOR CONSTRUCTION |
| REV | DATE | BY | DESCRIPTION |



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

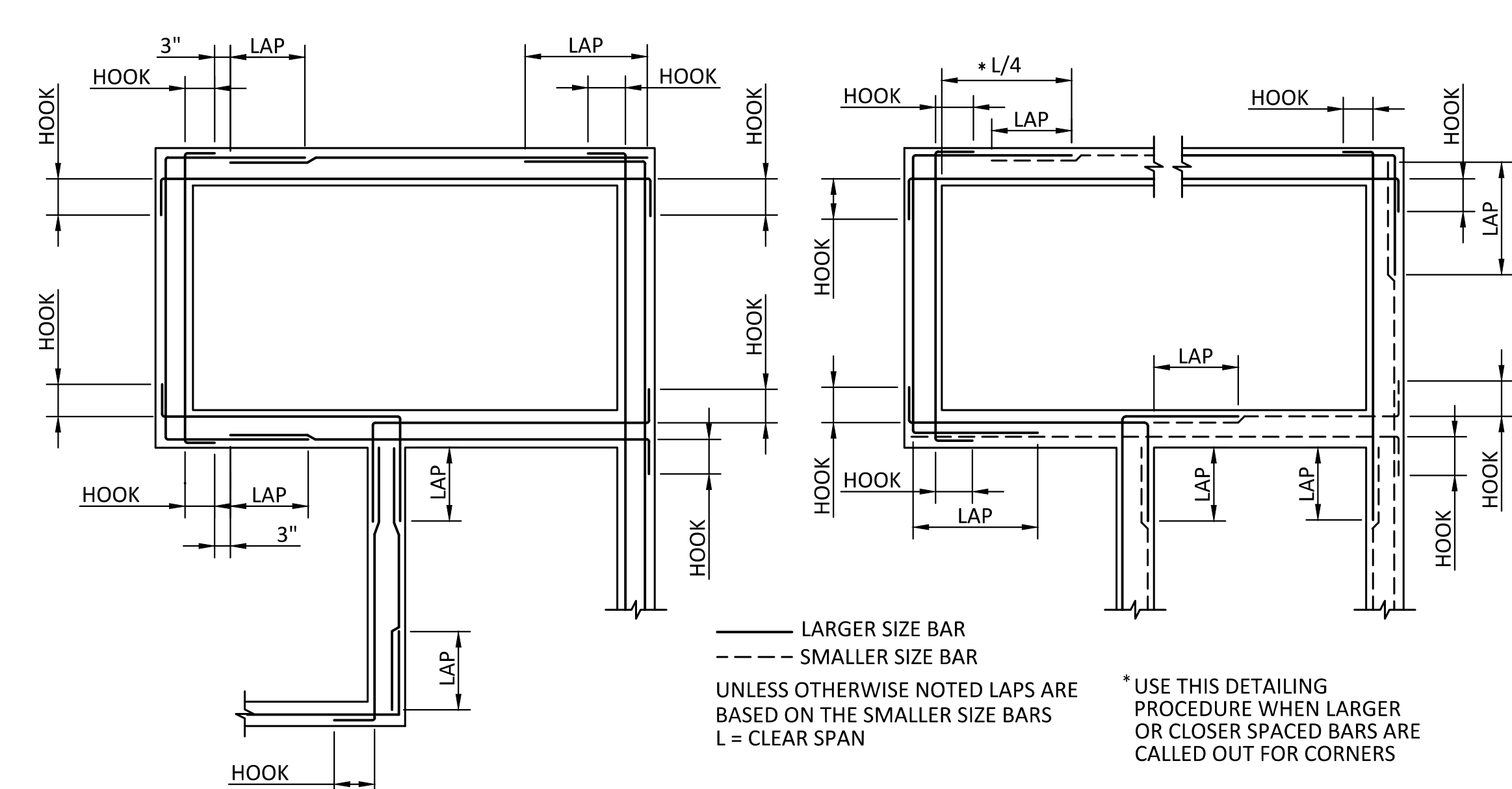


| | | | |
|-----------------------------------|--|------------------------------|-----------------------------|
| KLAMATH RIVER RENEWAL CORPORATION | | DESIGNED <u>Z. AUTIN</u> | DRAWING GS002 |
| FALL CREEK FISH HATCHERY | | DRAWN <u>R. GUERRERO</u> | |
| STRUCTURAL STANDARD DETAILS 1 | | CHECKED <u>T. BOWEN</u> | |
| | | PROJECT DATE <u>10/28/20</u> | |



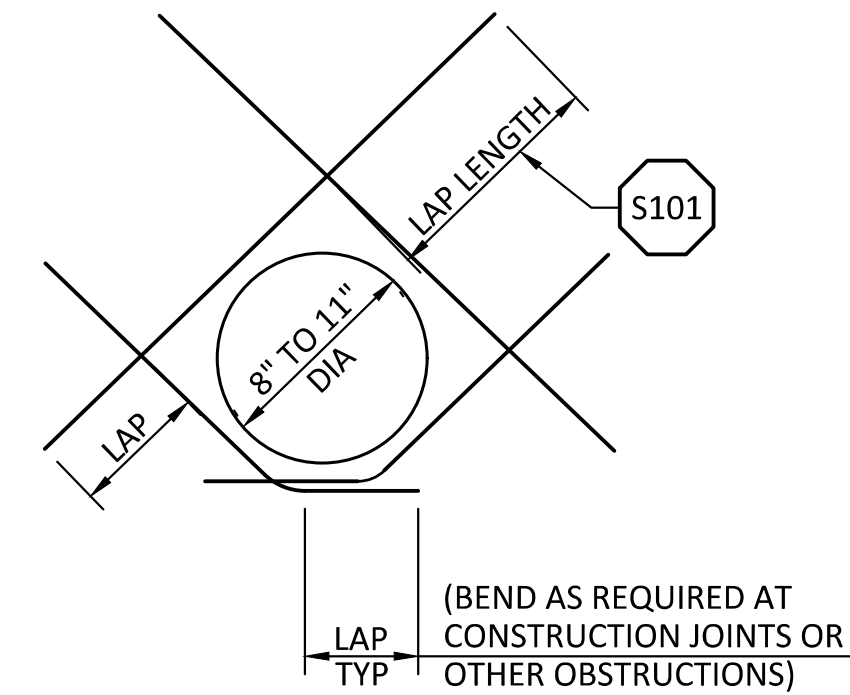
WATERSTOP AT EXISTING SURFACE
SCALE: NTS

S130

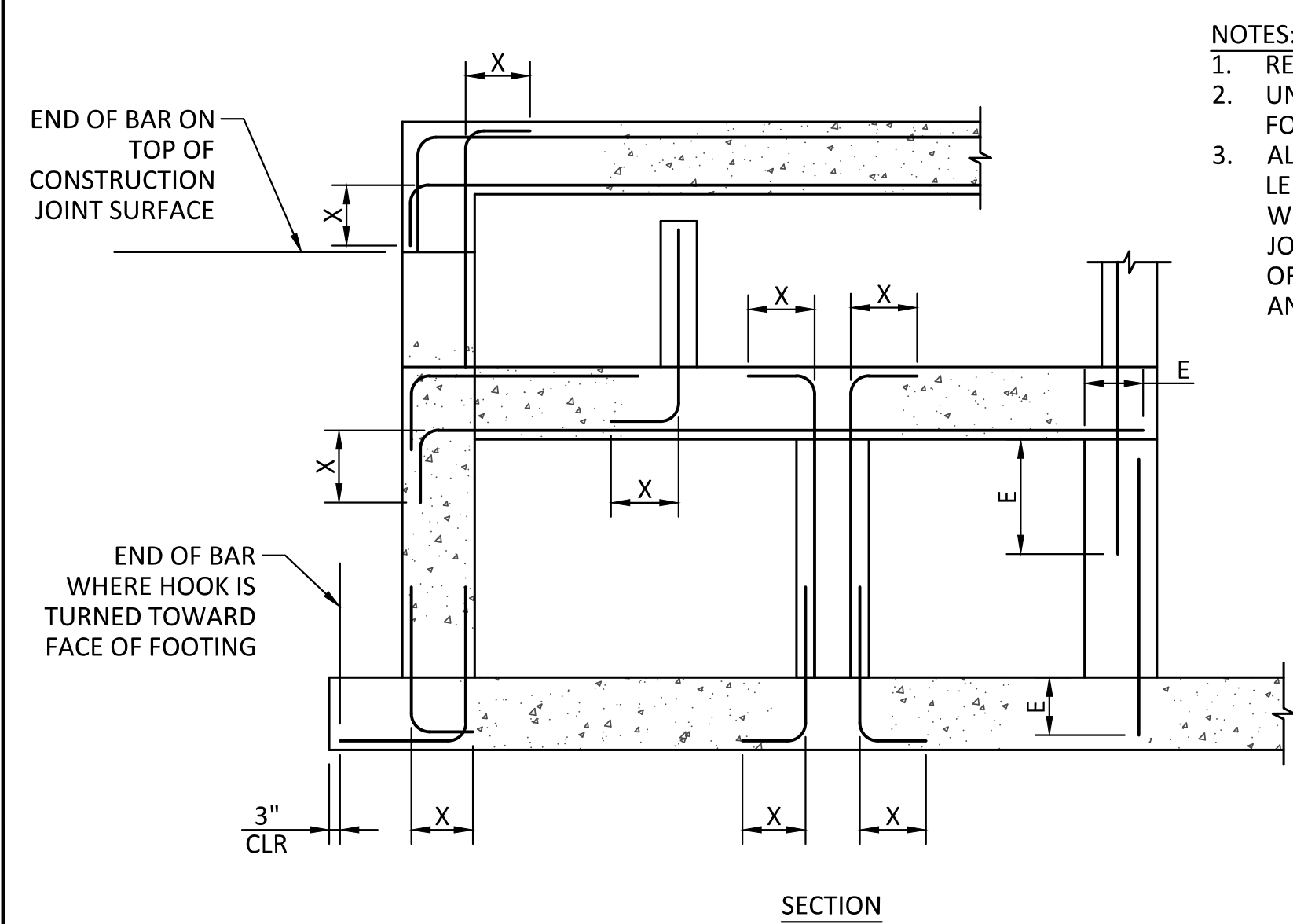


ADDITIONAL REINFORCEMENT AT
CIRCULAR OPENINGS (<12" DIA)
SCALE: NTS

S141



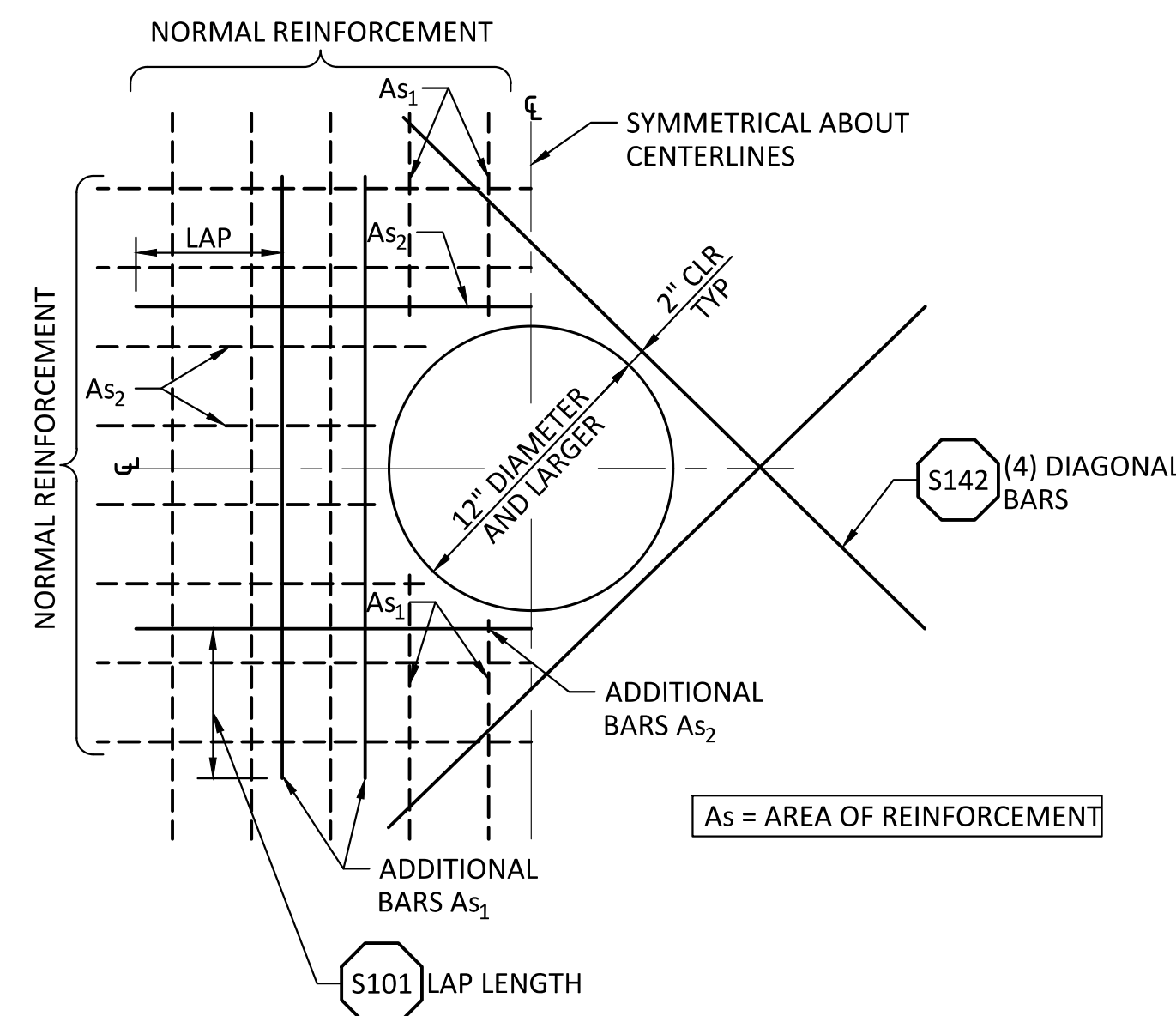
- NOTES:
- CUT NORMAL REINFORCEMENT 2" CLEAR OF OPENING.
 - DIAGONAL BARS TO BE PLACED;
 - AT CENTERLINE OF WALL OR SLAB WHERE ONE LAYER OF REINFORCEMENT IS PROVIDED.
 - AT EACH FACE OF WALL OR SLAB WHERE TWO LAYERS OF REINFORCEMENT ARE PROVIDED.
 - UNLESS OTHERWISE NOTED, SIZE OF DIAGONAL BARS SHALL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



STANDARD 90° BAR HOOKS, EMBEDMENT LENGTHS AND LAP LENGTHS
SCALE: NTS

S143

- NOTES:
- REFER TO STD DETAIL S101 FOR REBAR LAP LENGTHS.
 - UNLESS NOTED OTHERWISE USE REBAR COUPLERS FOR SPLICES OF #11 AND LARGER BARS.
 - 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.

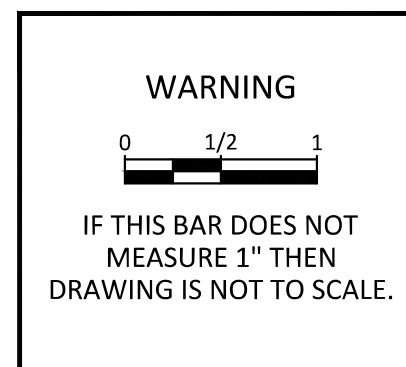
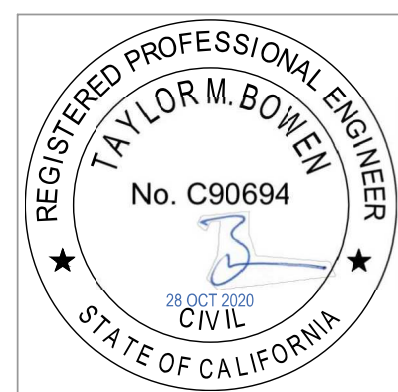


- NOTES:
- CUT NORMAL REINFORCEMENT AT OPENINGS:
 As_1 AND $As_2 = \frac{1}{2}$ AREA OF CUT BARS TO BE ADDED ON EACH SIDE OF OPENING.
 - ADDITIONAL BARS As_1 AND As_2 TO BE PLACED;
 - AT CENTERLINE OF WALLS OR SLABS WHERE ONE LAYER OF REINFORCEMENT IS PROVIDED.
 - AT EACH FACE OF WALLS OR SLABS WHERE TWO LAYERS OF REINFORCEMENT ARE PROVIDED.
 - 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.
 - THIS DETAIL TO BE USED ONLY WHEN NO OTHER DETAIL IS INDICATED ON THE DRAWINGS.
 - WHERE A SLAB OR INTERSECTING WALL CONNECTS WITHIN ONE WALL THICKNESS OF THE OPENINGS, ADDITIONAL BARS ON THAT SIDE MAY BE OMITTED.

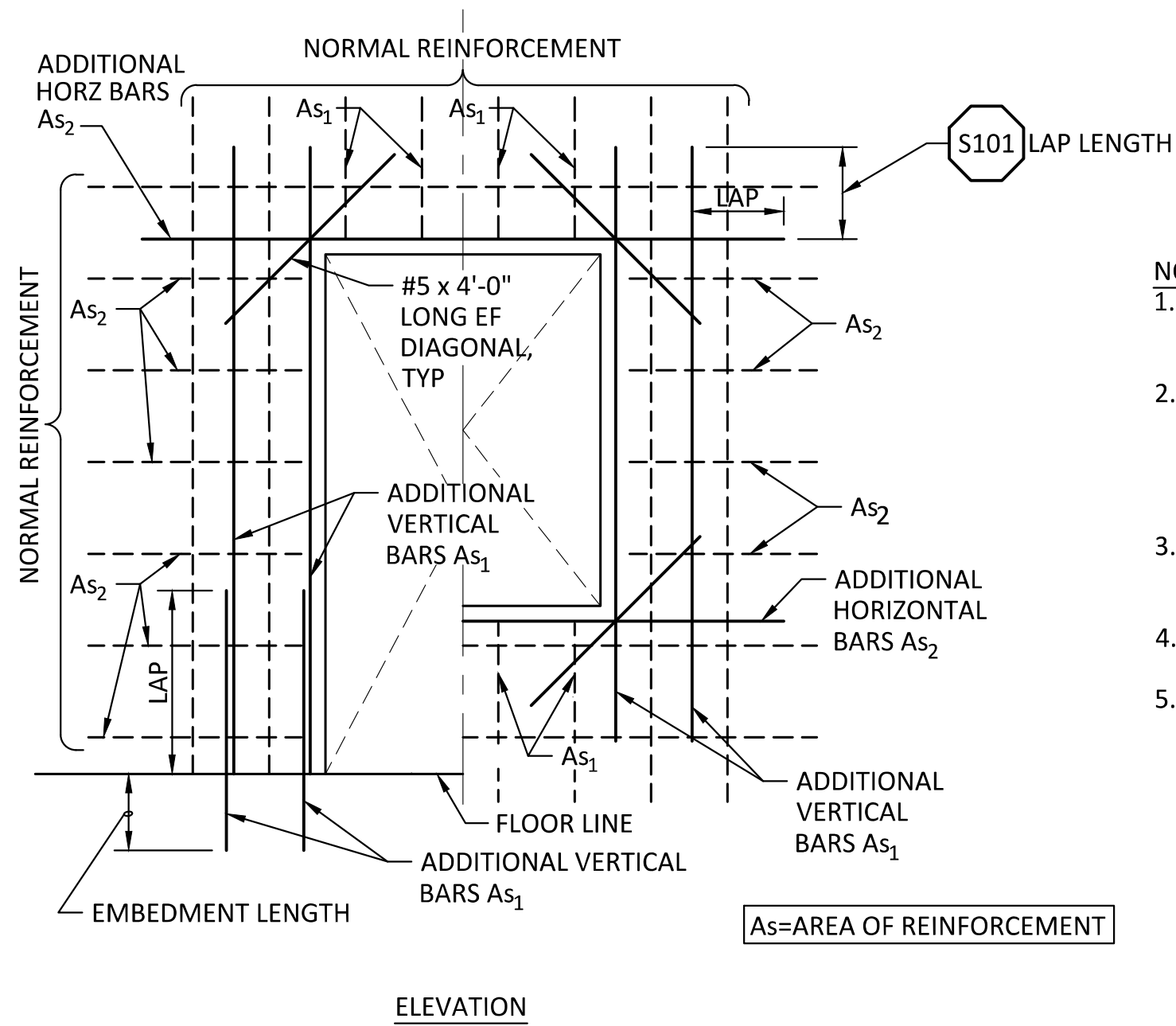
ADDITIONAL REINFORCEMENT AT CIRCULAR OPENINGS (12" DIA OR LARGER)
SCALE: NTS

S144

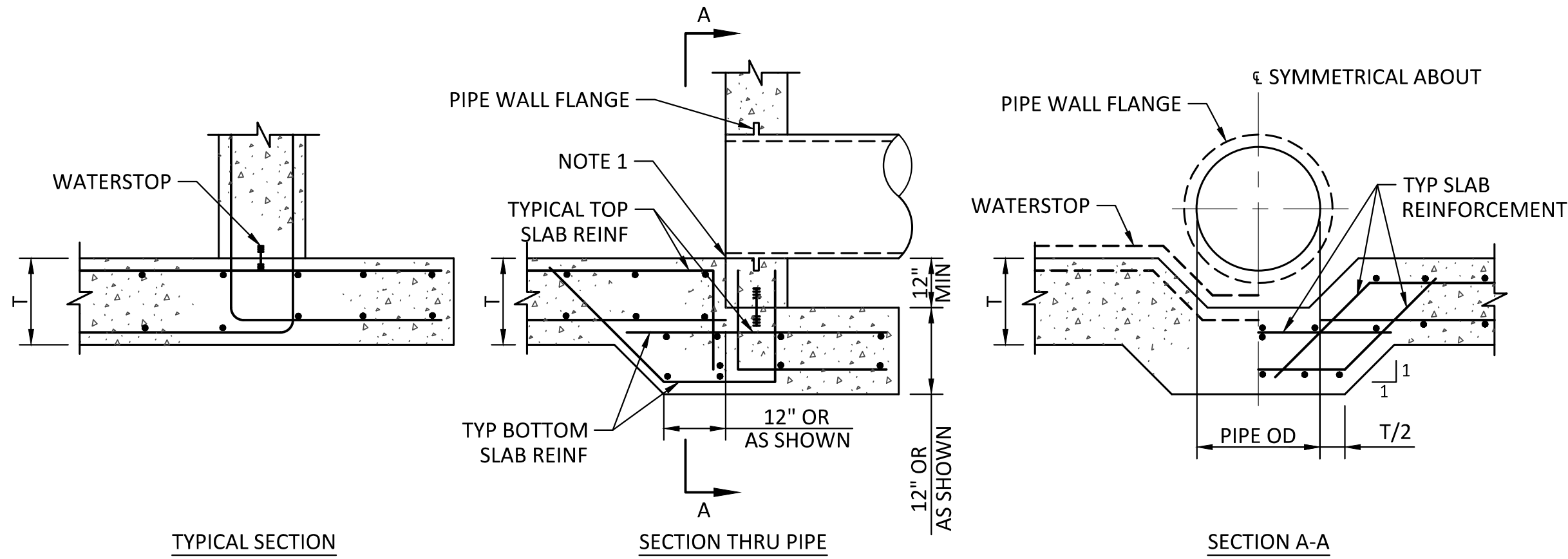
| REV | DATE | BY | DESCRIPTION |
|-----|----------|-----|-------------------------|
| 0 | 10/28/20 | MDM | ISSUED FOR CONSTRUCTION |



| | | | |
|-----------------------------------|--|------------------------------|-----------------------------|
| KLAMATH RIVER RENEWAL CORPORATION | | DESIGNED <u>Z. AUTIN</u> | DRAWING GS003 |
| FALL CREEK FISH HATCHERY | | DRAWN <u>R. GUERRERO</u> | |
| STRUCTURAL STANDARD DETAILS 2 | | CHECKED <u>T. BOWEN</u> | |
| | | PROJECT DATE <u>10/28/20</u> | |



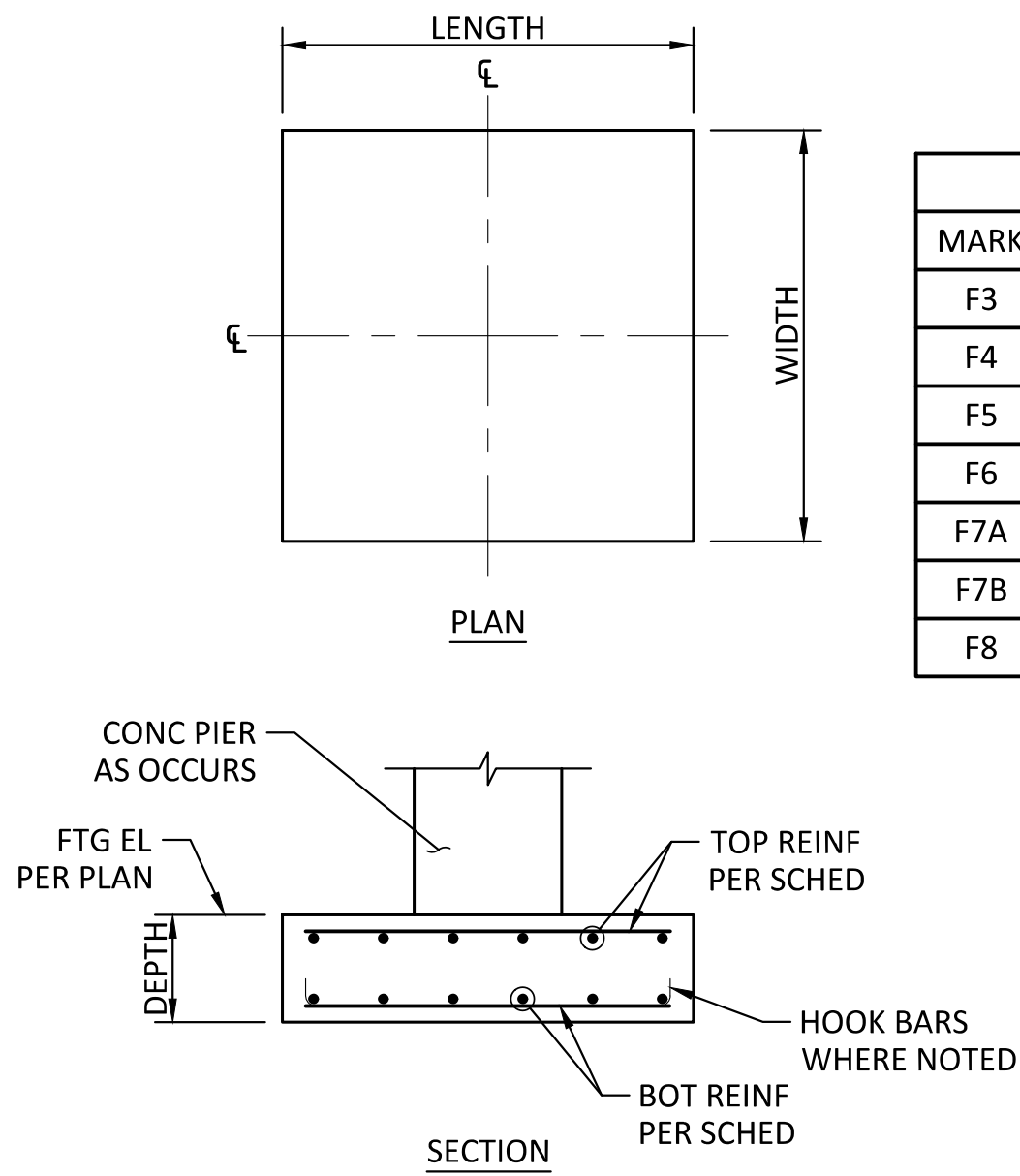
- NOTES:
- CUT NORMAL REINFORCEMENT AT OPENINGS:
As₁ AND As₂ AREA OF CUT BARS TO BE ADDED ON EACH SIDE OF OPENING.
 - ADDITIONAL BARS As₁ AND As₂ TO BE PLACED:
A. AT CENTERLINE OF WALLS OR SLABS WHERE ONE LAYER OF REINFORCEMENT IS PROVIDED.
B. AT EACH FACE OF WALLS OR SLABS WHERE TWO LAYERS OF REINFORCEMENT ARE PROVIDED.
 - 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.
 - THIS DETAIL TO BE USED ONLY WHEN NO OTHER DETAIL IS INDICATED ON THE DRAWINGS.
 - WHERE A SLAB OR INTERSECTING WALL CONNECTS WITHIN ONE WALL THICKNESS OF THE OPENINGS, ADDITIONAL BARS ON THAT SIDE MAY BE OMITTED.



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

ADDITIONAL REINFORCEMENT AROUND RECTANGULAR OPENINGS

SCALE: NTS



| 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 |

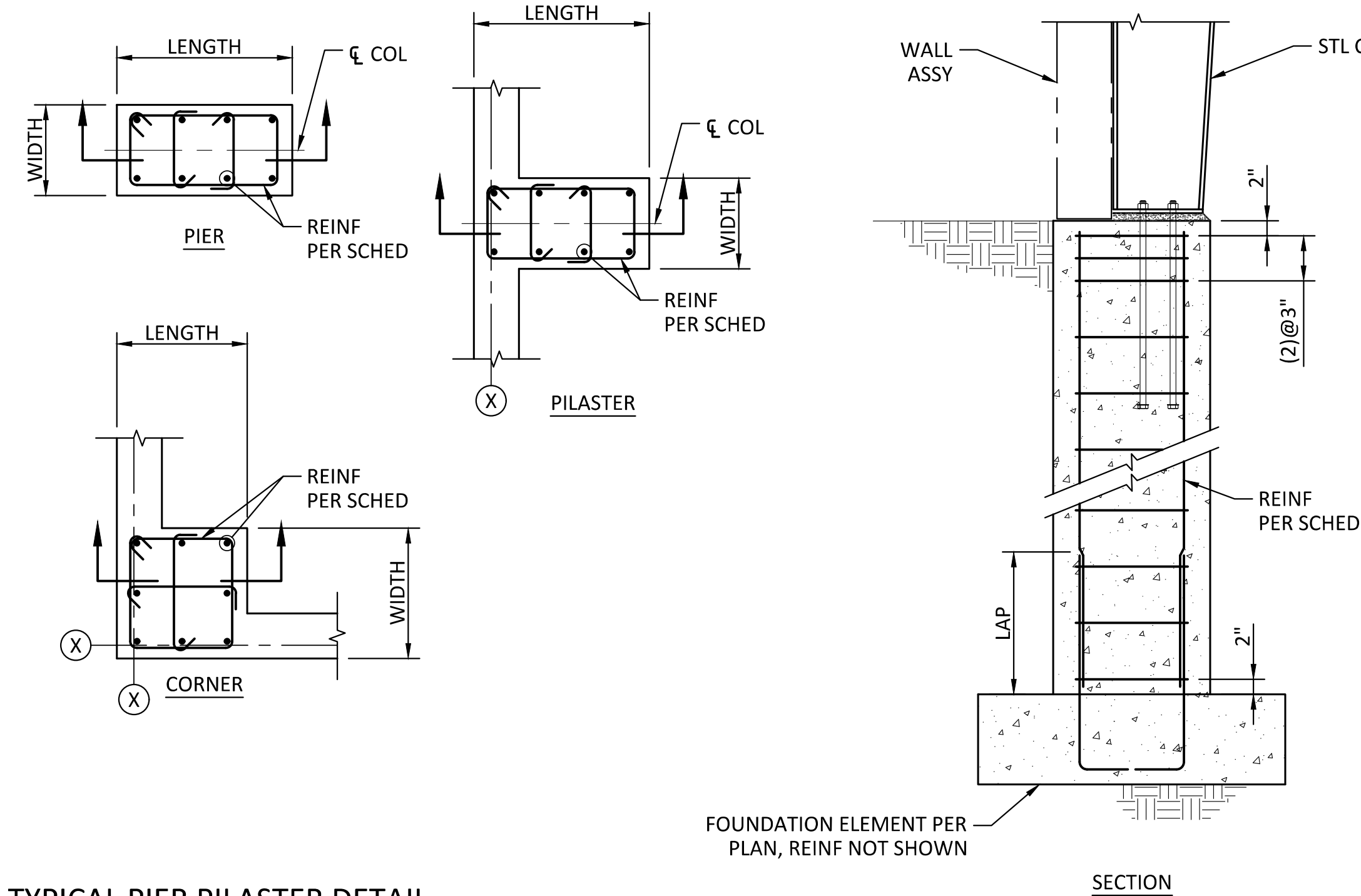
- NOTES:
- SPREAD FOOTINGS SHALL BE CENTERED BELOW BUILDING COLUMNS UNLESS NOTED OTHERWISE.
 - REFER TO "CONCRETE FOOTING SCHEDULE" FOR DIMENSIONS AND REINFORCING.

TYPICAL CONCRETE FOOTING DETAIL

SCALE: NTS

FOOTING AT WALL PIPE CONNECTION

SCALE: NTS



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

TYPICAL PIER PILASTER DETAIL

SCALE: NTS

| 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

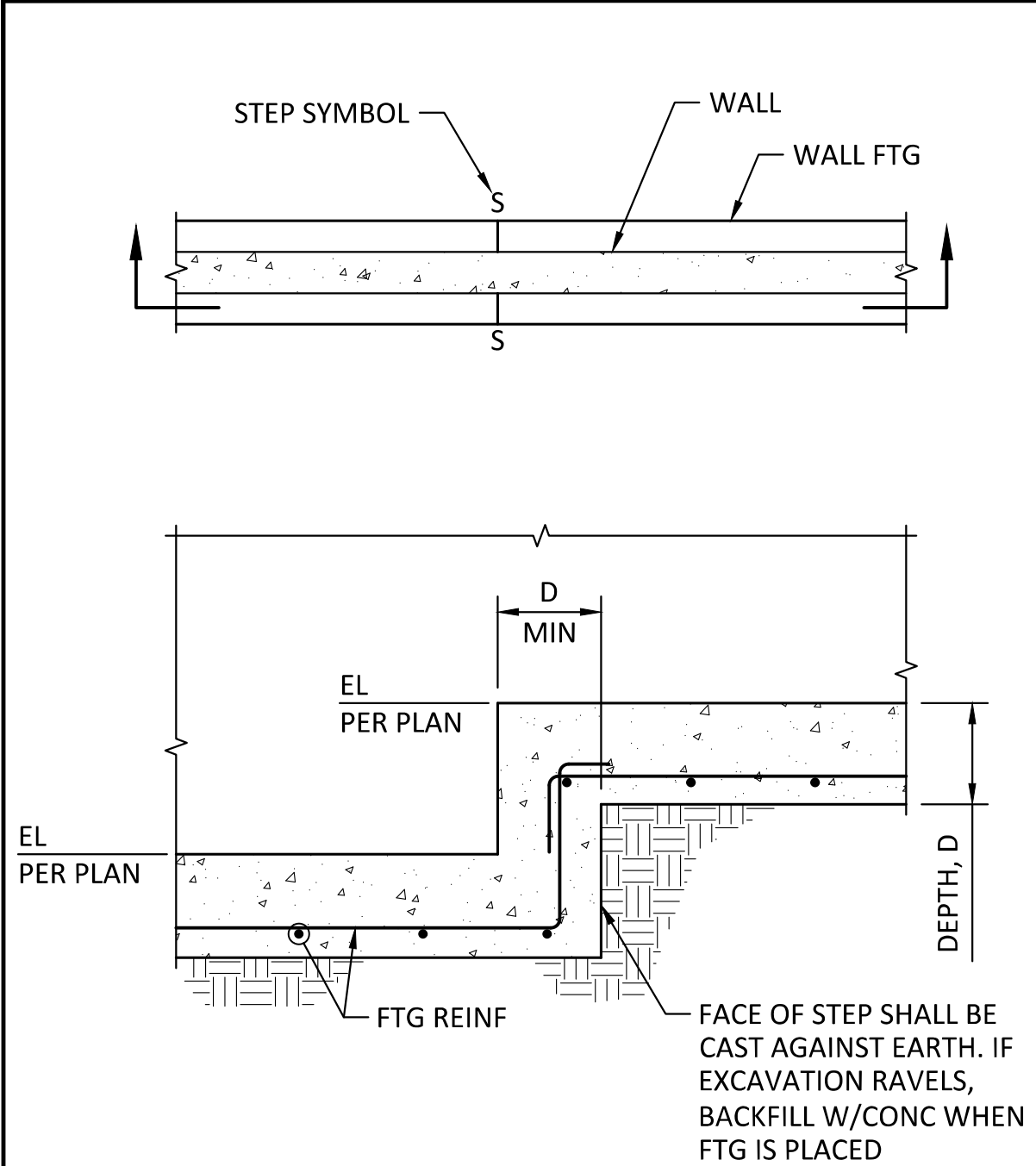
KLAMATH RIVER RENEWAL CORPORATION
FALL CREEK FISH HATCHERY

STRUCTURAL
STANDARD DETAILS 3

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

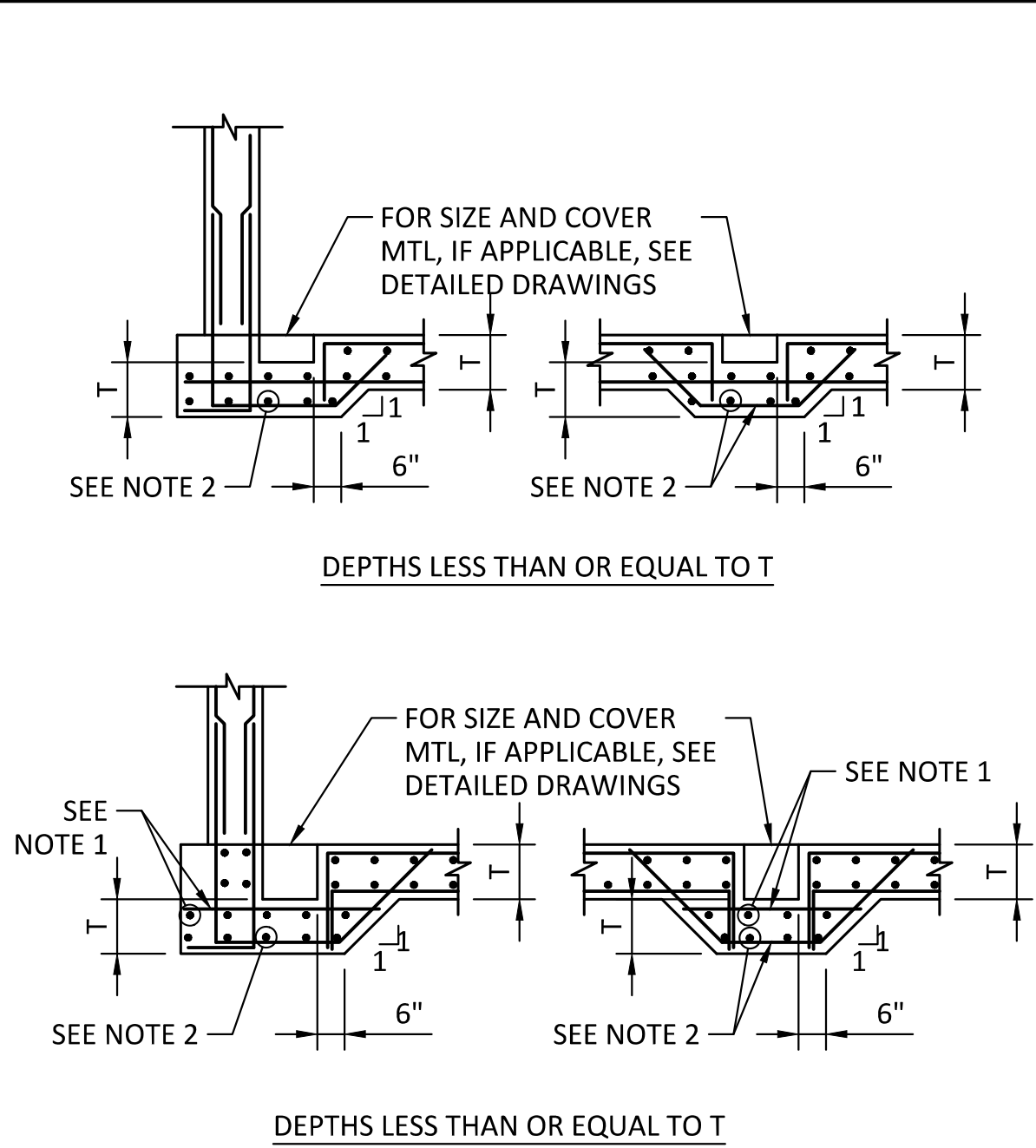
DRAWING

GS004



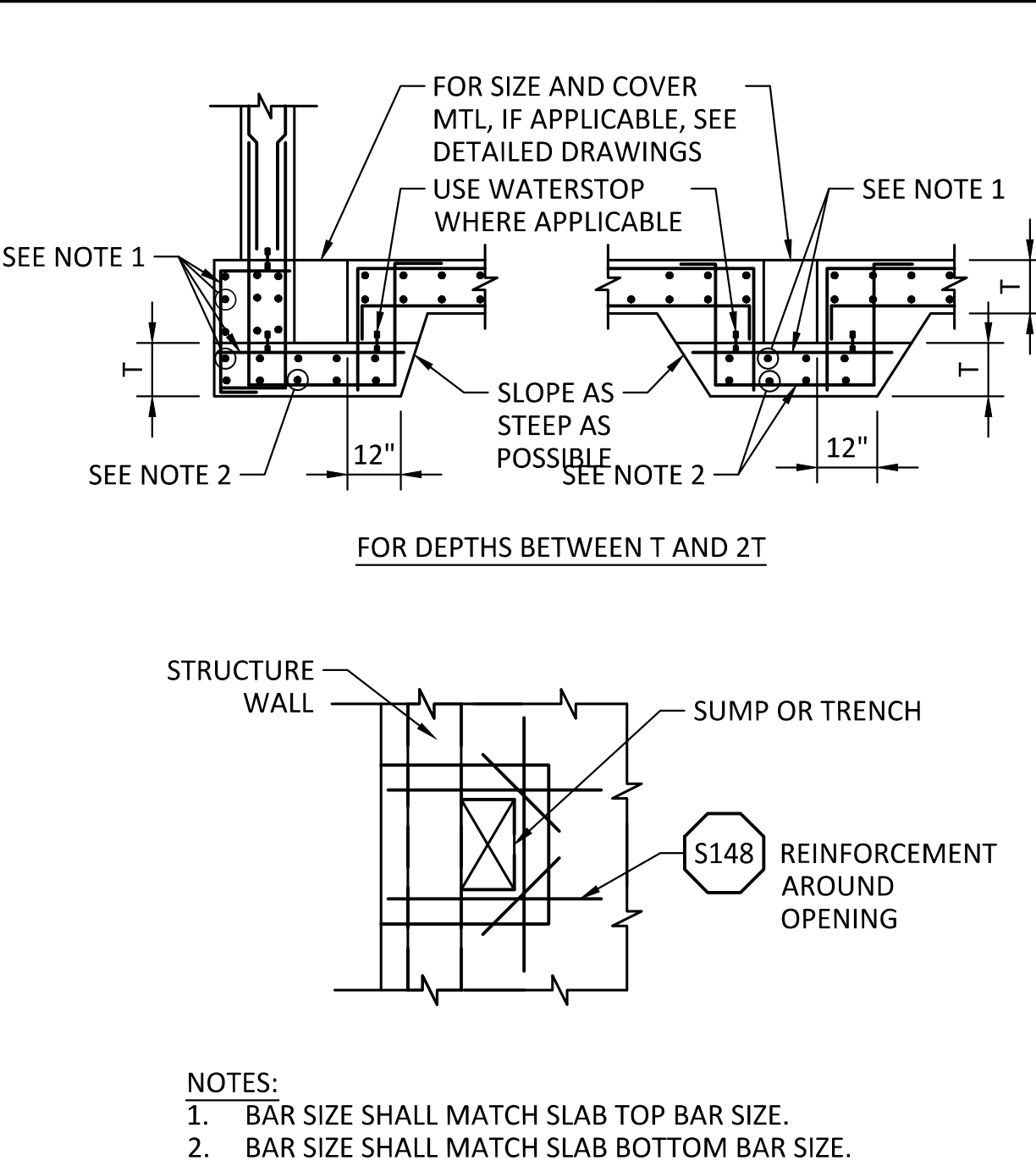
TYPICAL STEEPED WALL FOOTING
SCALE: NTS

S163



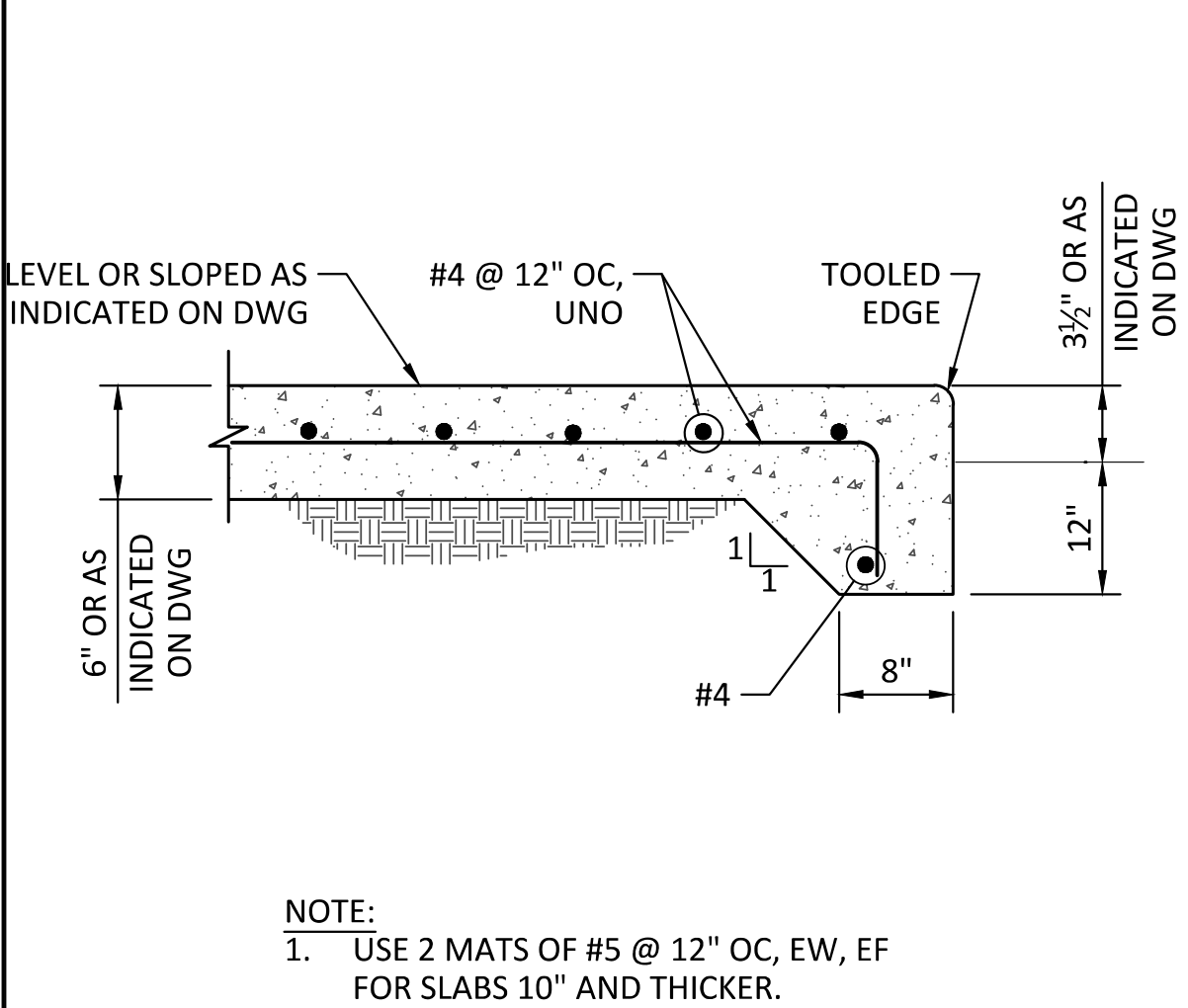
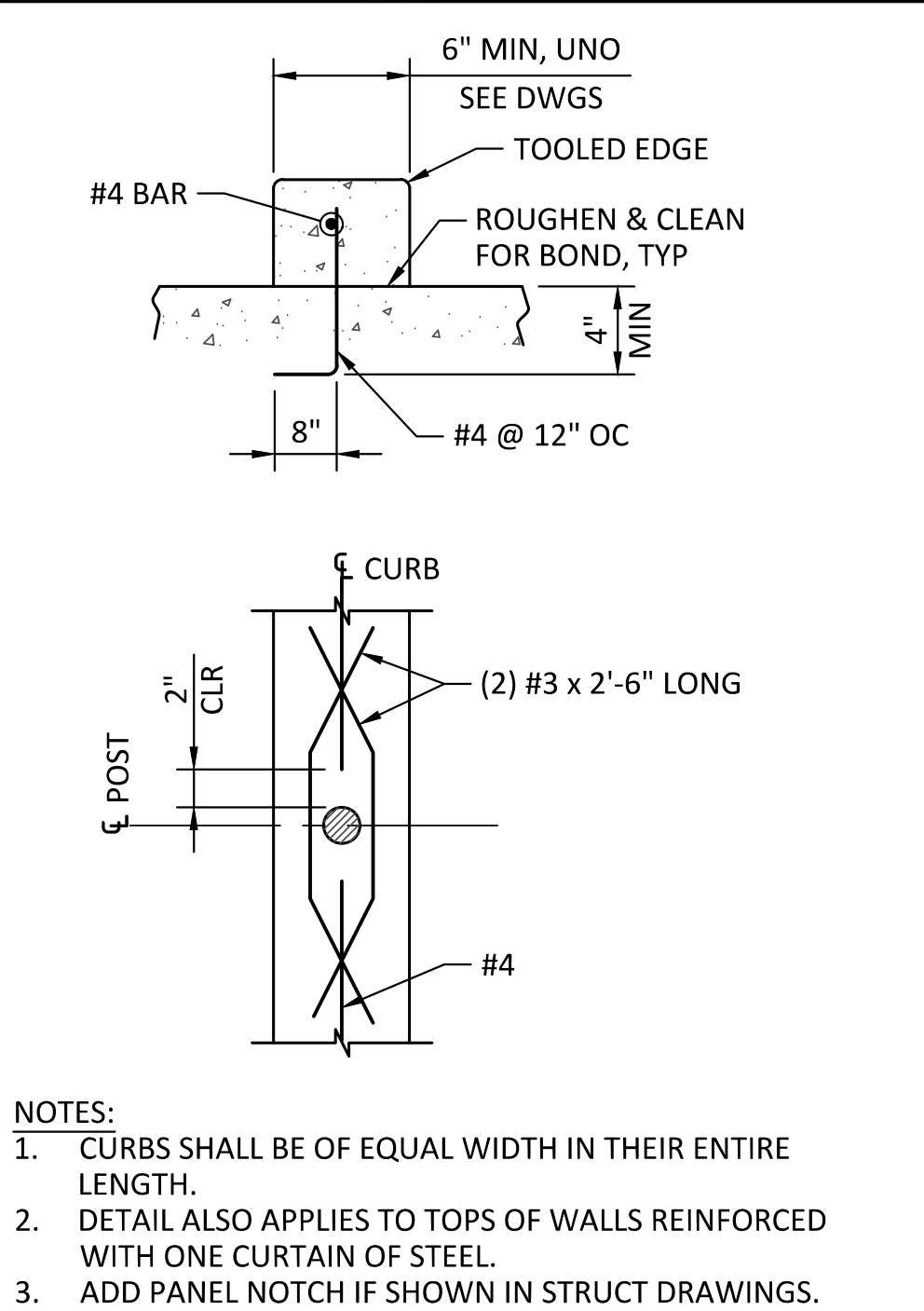
REINFORCING AT SUMPS AND TRENCHES
SCALE: NTS

S177



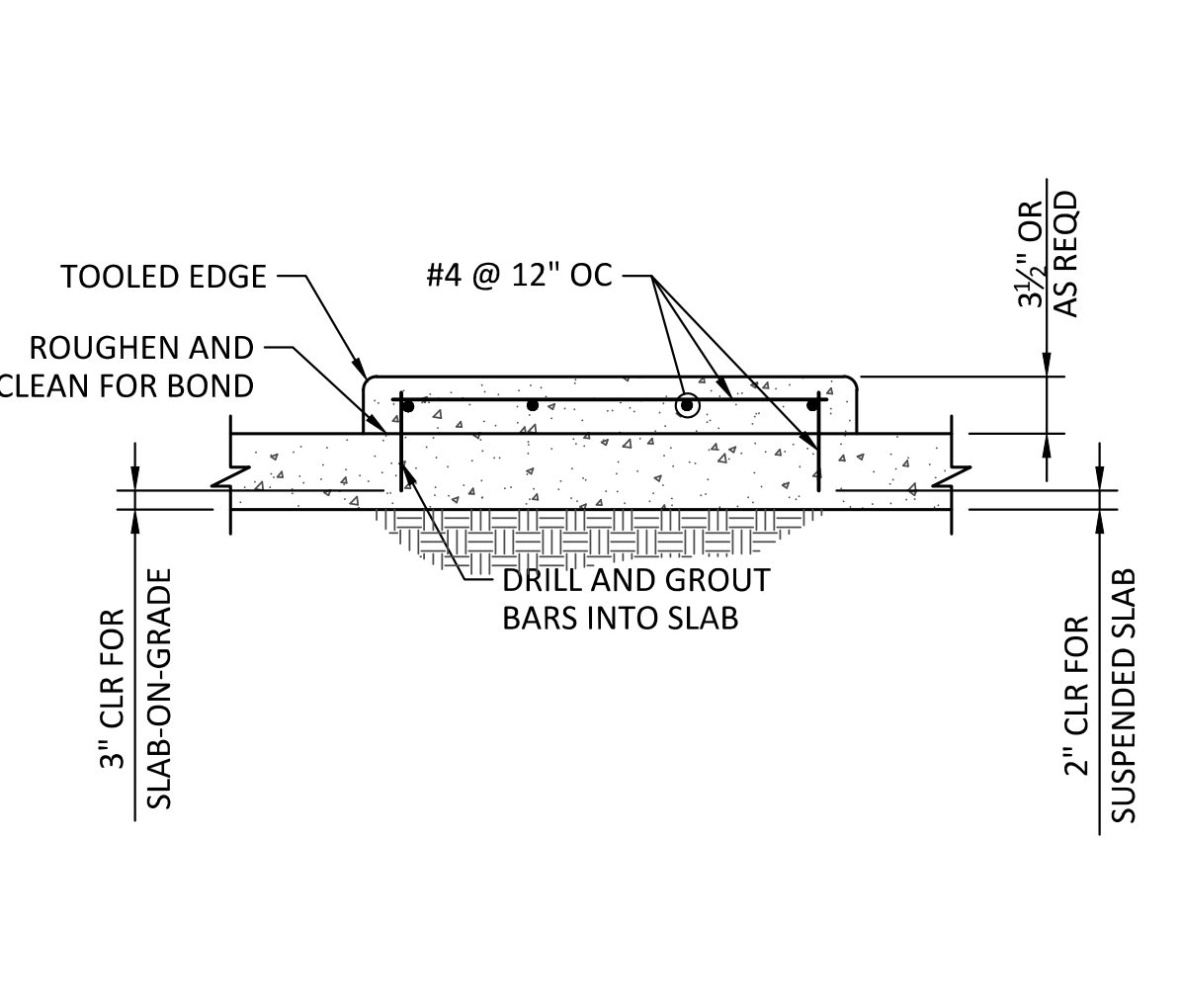
CONCRETE CURB
SCALE: NTS

S180



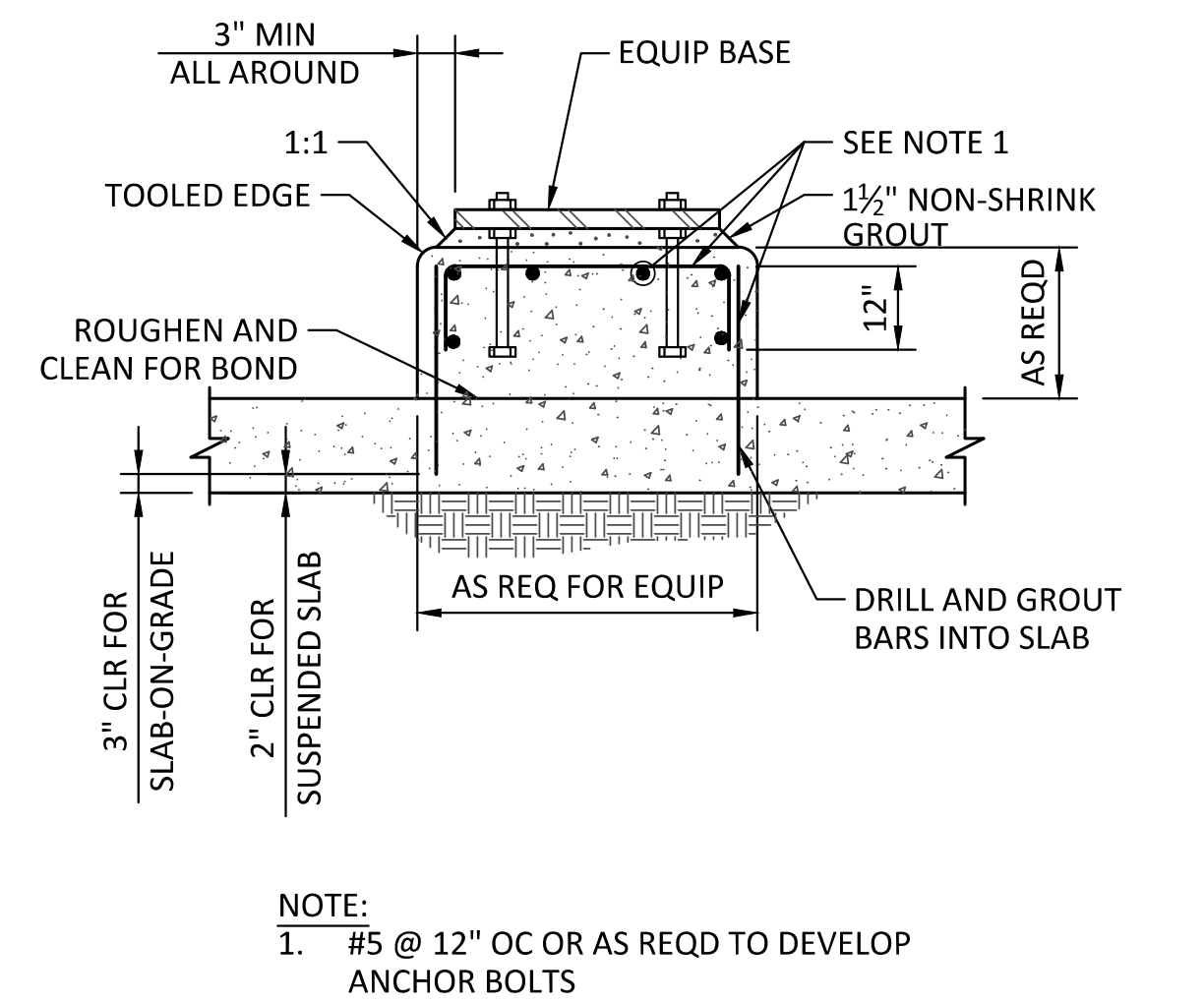
SLAB-ON-GRADE
SCALE: NTS

S190



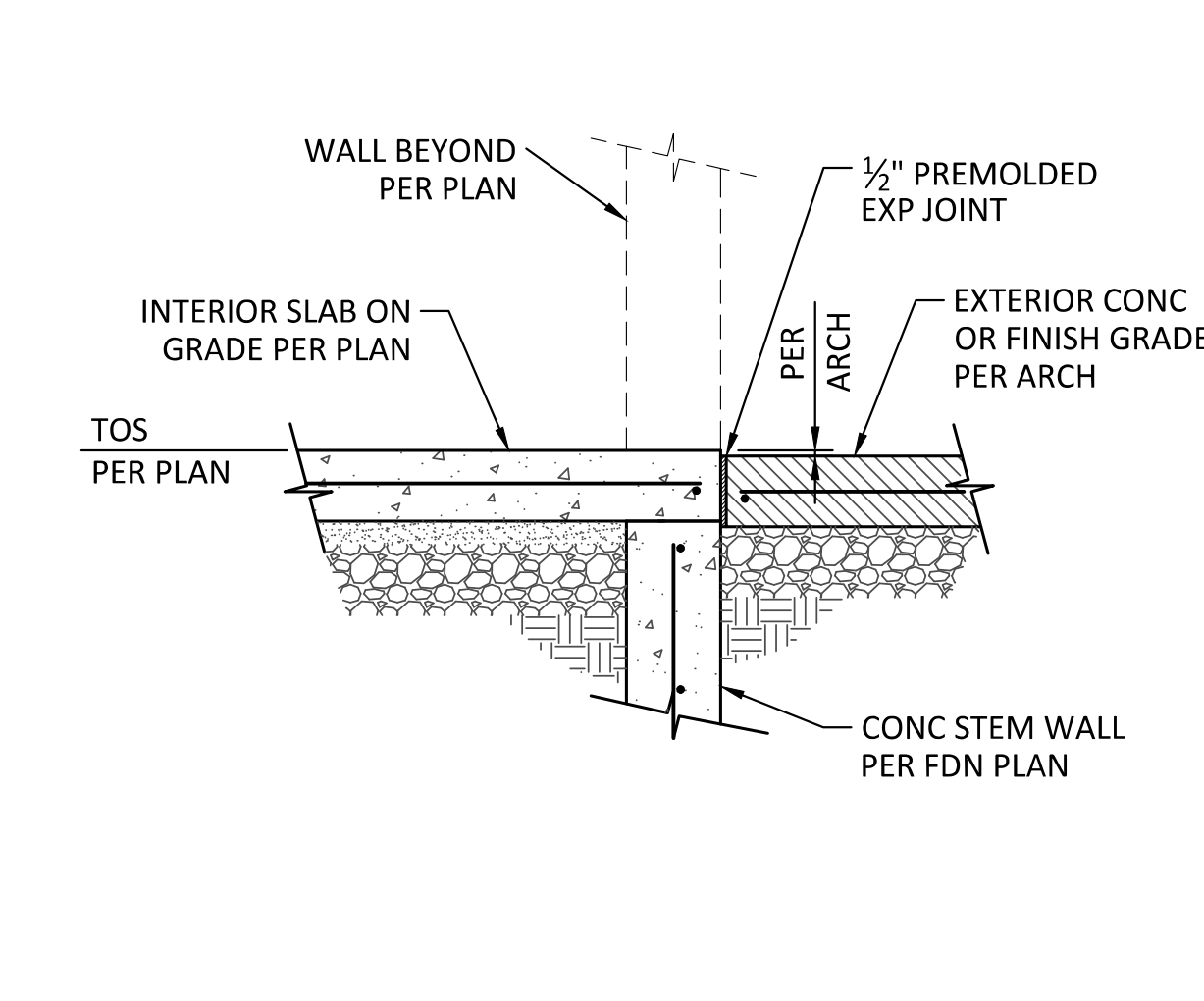
HOUSEKEEPING PAD
SCALE: NTS

S191



EQUIPMENT BASE
SCALE: NTS

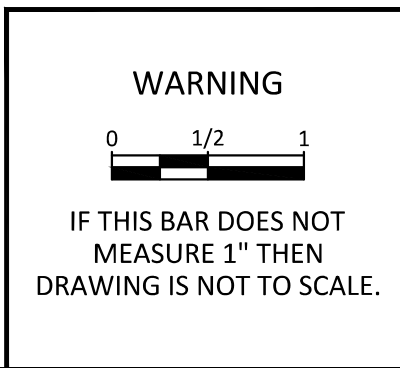
S192



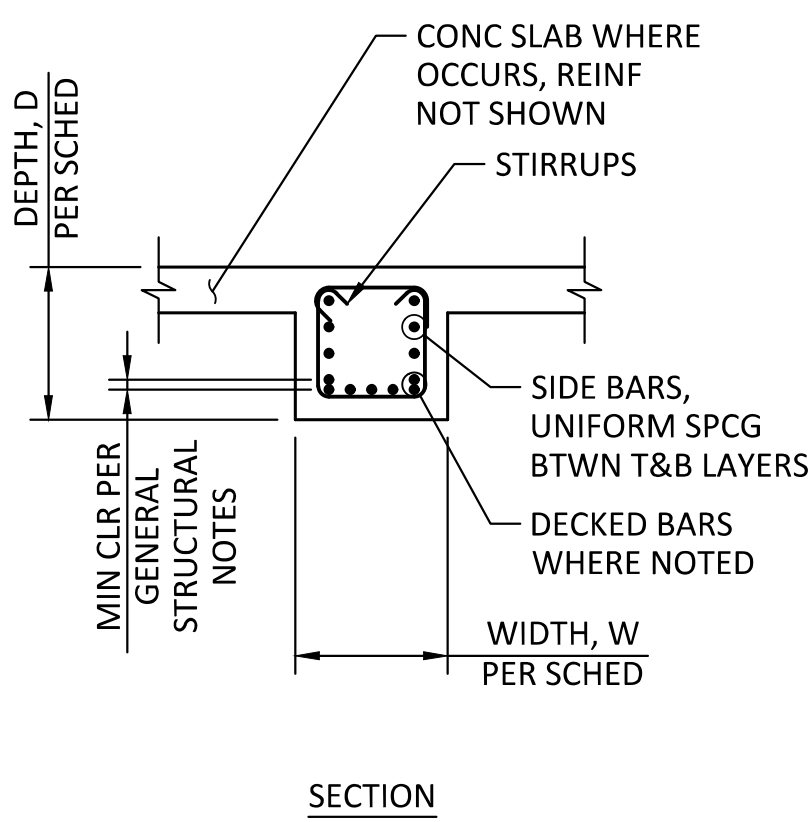
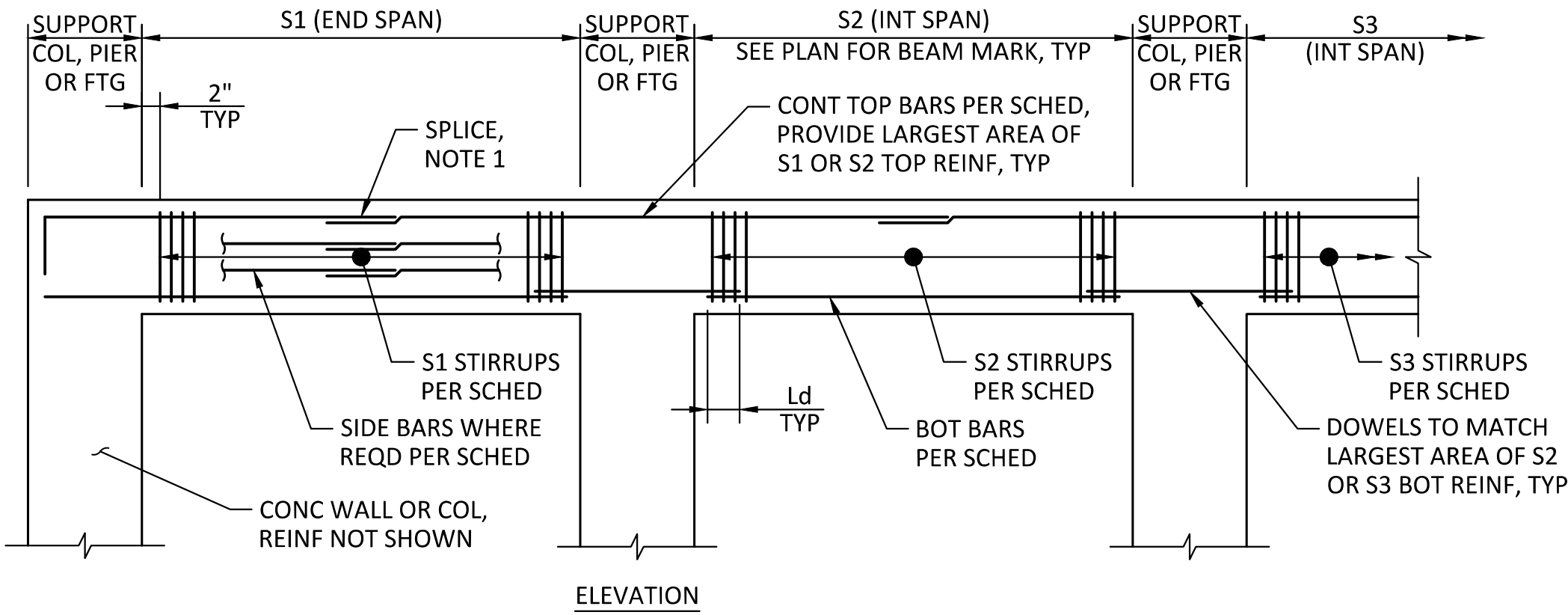
CONCRETE SLAB ON GRADE @ THRESHOLD
SCALE: NTS

S197

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| KLAMATH RIVER RENEWAL CORPORATION | | DESIGNED <u>Z. AUTIN</u> | DRAWING GS005 |
| FALL CREEK FISH HATCHERY | | DRAWN <u>R. GUERRERO</u> | |
| STRUCTURAL STANDARD DETAILS 4 | | CHECKED <u>T. BOWEN</u> | |
| | | PROJECT DATE <u>10/28/20</u> | |



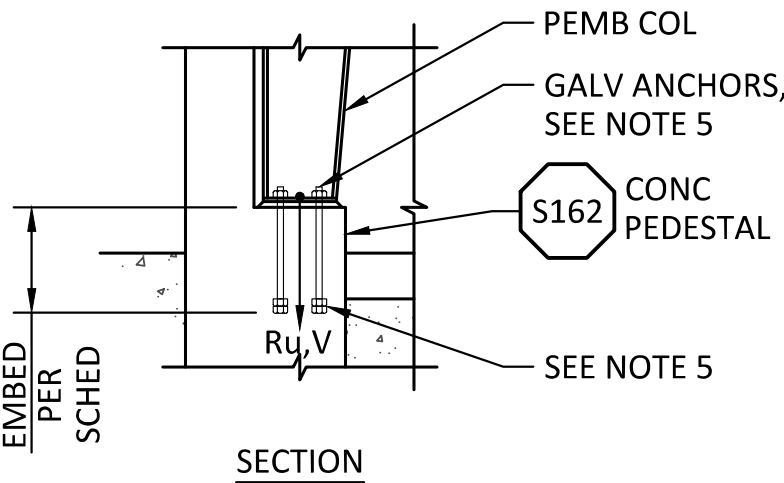
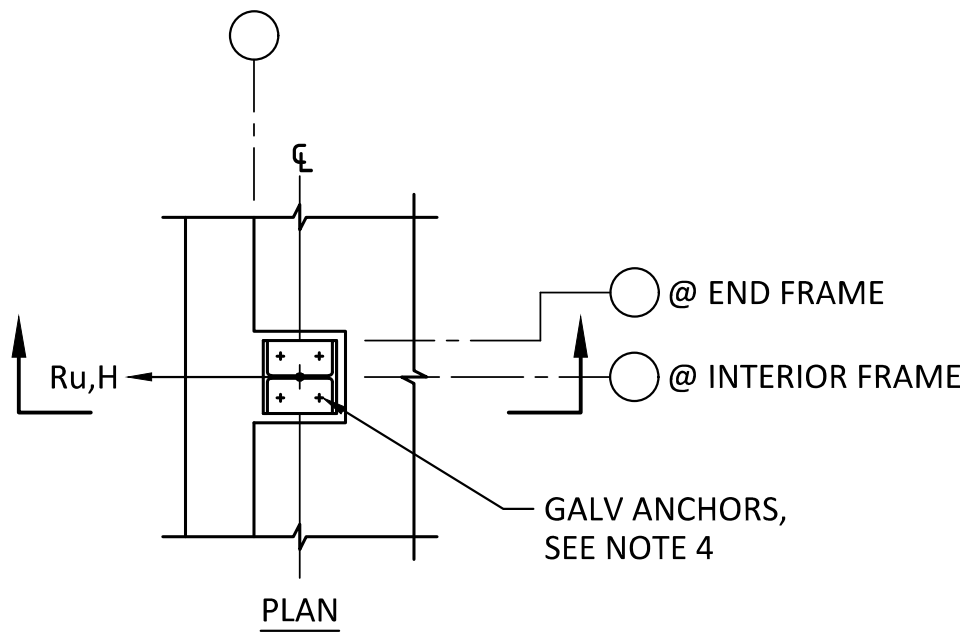
- NOTE:
1. CONTINUOUS TOP BARS AND SIDE BARS MAY BE SPliced AT MIDDLE OF BEAM SPAN AT THE CONTRACTOR'S OPTION. PROVIDE CONTACT LAP SPLICE WITH MIN LAP LENGTH PER STD DETAIL S101.
 2. REFER TO THE "CONCRETE GRADE BEAM SCHEDULE" FOR BAR CALLOUTS.
 3. TOP BARS AND BOTTOM BARS WILL BE PLACED IN A SINGLE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



| 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,h (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 |

- 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.

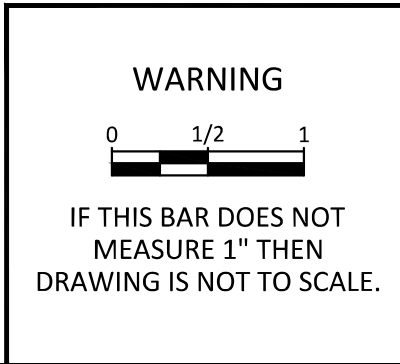
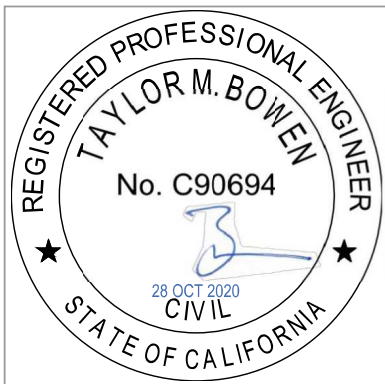
| FACTORED COLUMN BASE REACTIONS | | | | | | | | |
|--------------------------------|-----------------------------|--------------|---|------------|-----------------------|------------|--------------------|------------|
| FRAME ID | BUILDING | COLUMN GRIDS | | FRAME TYPE | VERTICAL (SEE NOTE 3) | | LATERAL Ru,h (kip) | EMBED (in) |
| | | | | | Ru,V (kip) | Ru,h (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 |

METAL BUILDING COLUMN BASE

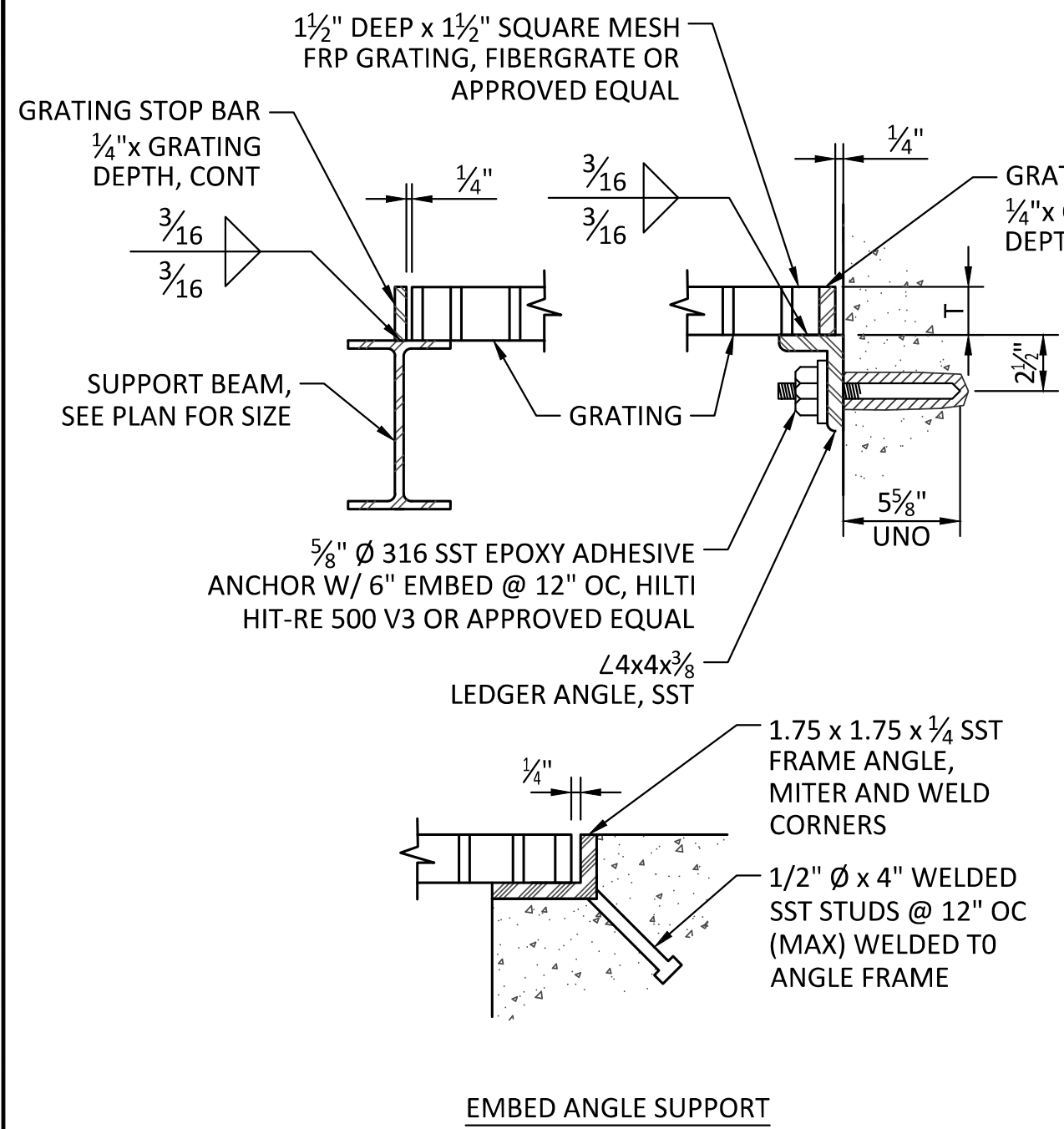
SCALE: NTS

S366

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

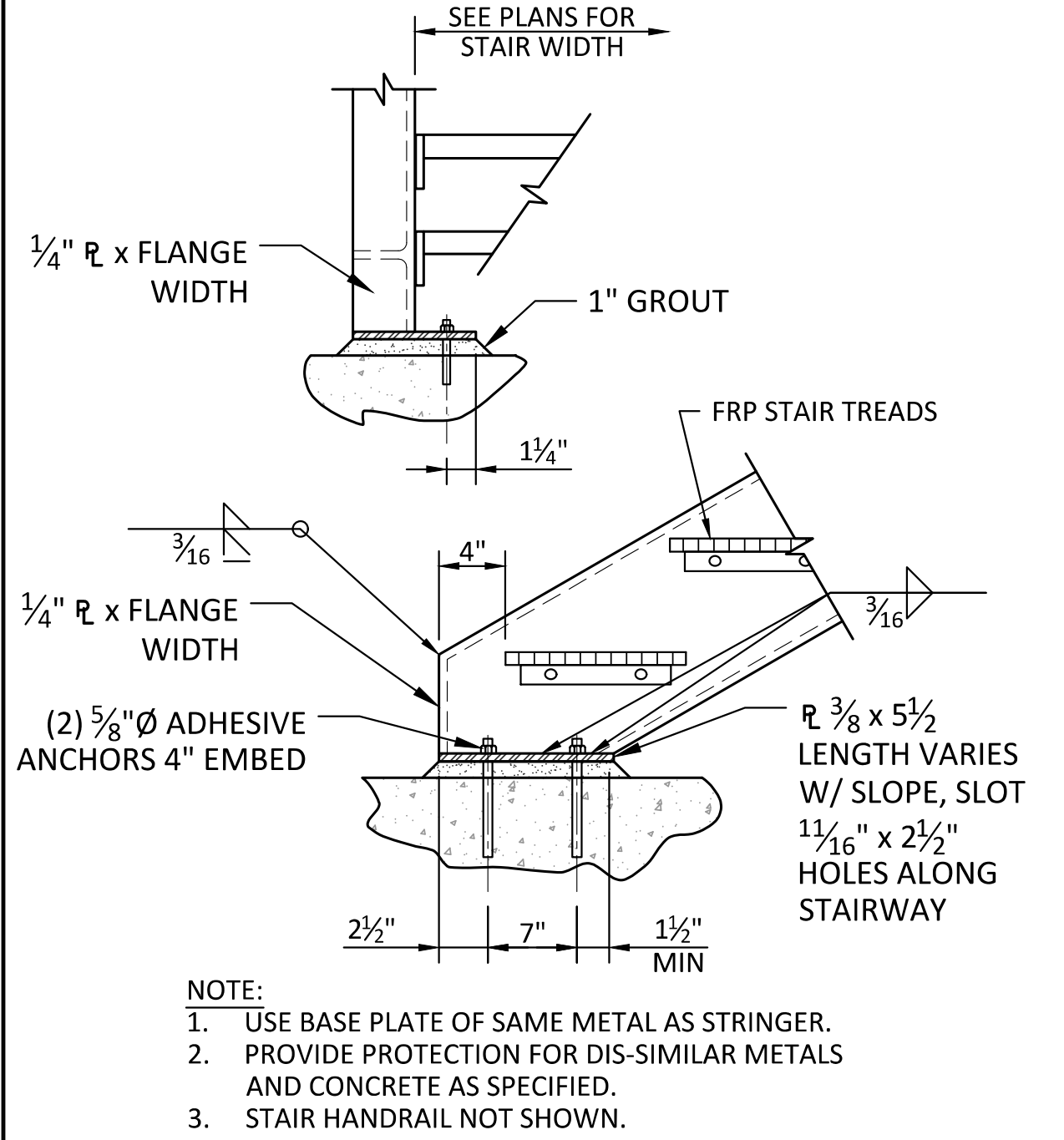


| | | | |
|-----------------------------------|--|------------------------------|-----------------------------|
| KLAMATH RIVER RENEWAL CORPORATION | | DESIGNED <u>Z. AUTIN</u> | DRAWING GS006 |
| FALL CREEK FISH HATCHERY | | DRAWN <u>R. GUERRERO</u> | |
| STRUCTURAL STANDARD DETAILS 5 | | CHECKED <u>T. BOWEN</u> | |
| | | PROJECT DATE <u>10/28/20</u> | |



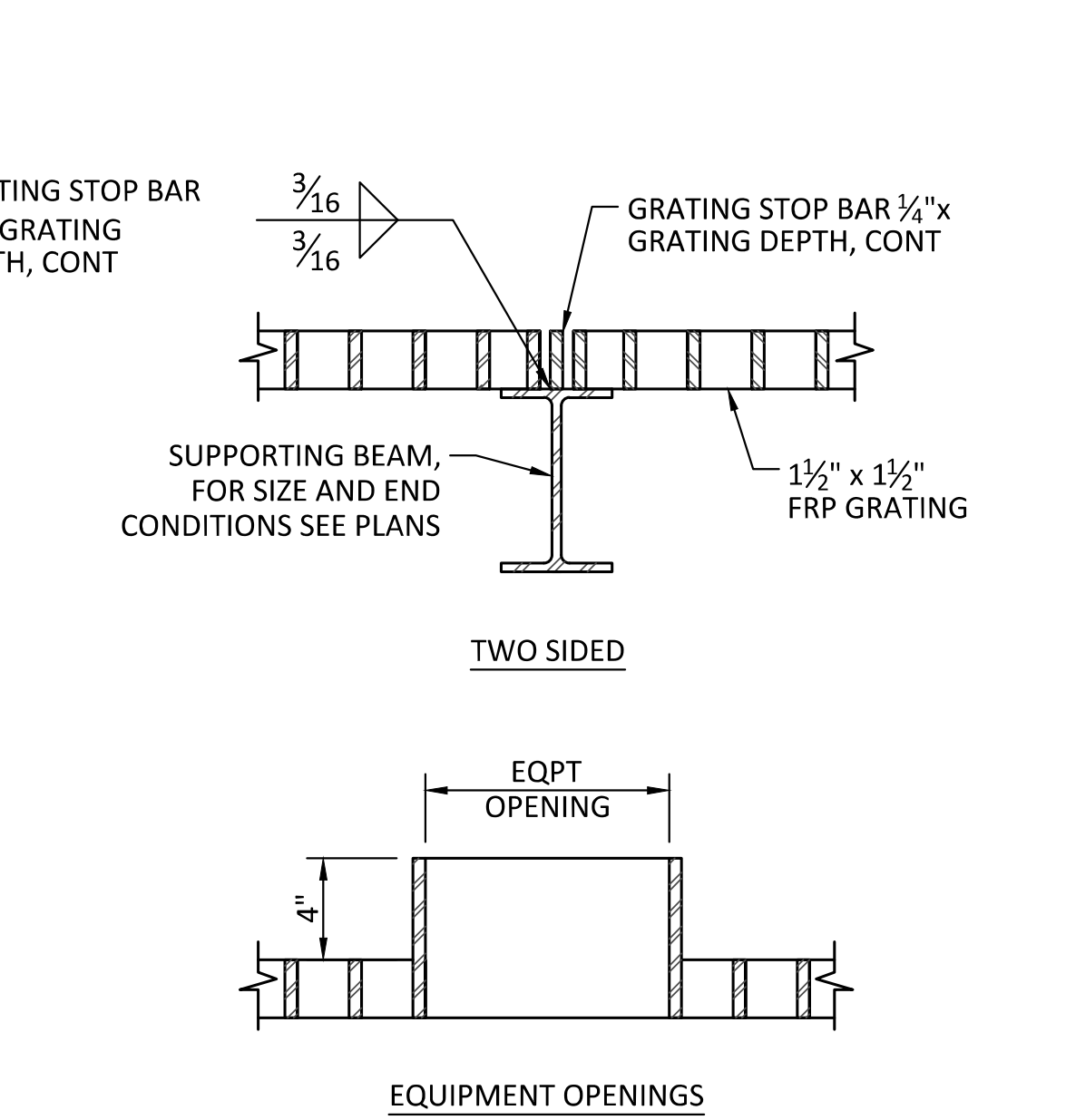
GRATING

SCALE: NTS



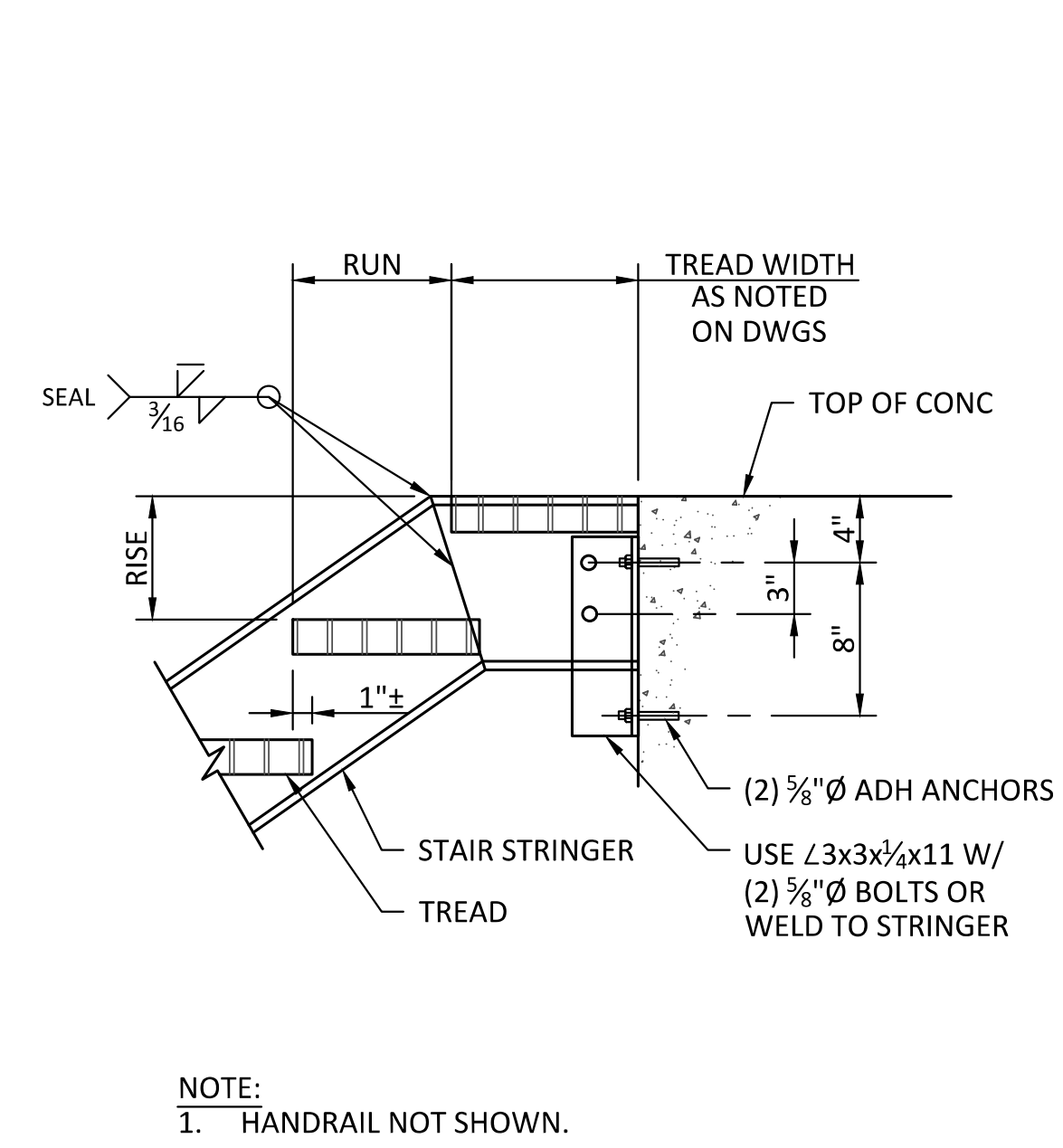
STAIR BOTTOM CONNECTION TO CONCRETE

SCALE: NTS



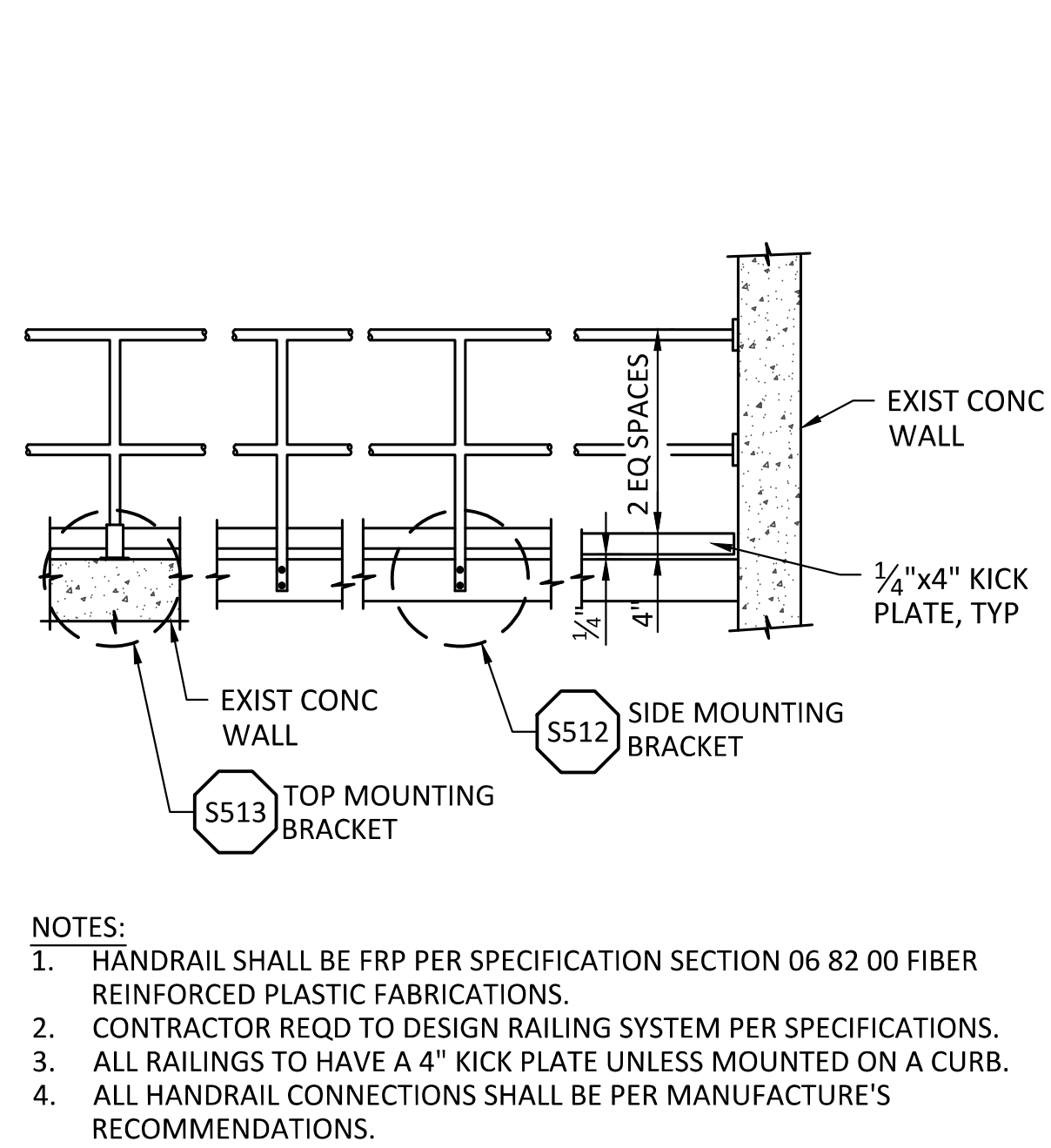
GRATING

SCALE: NTS



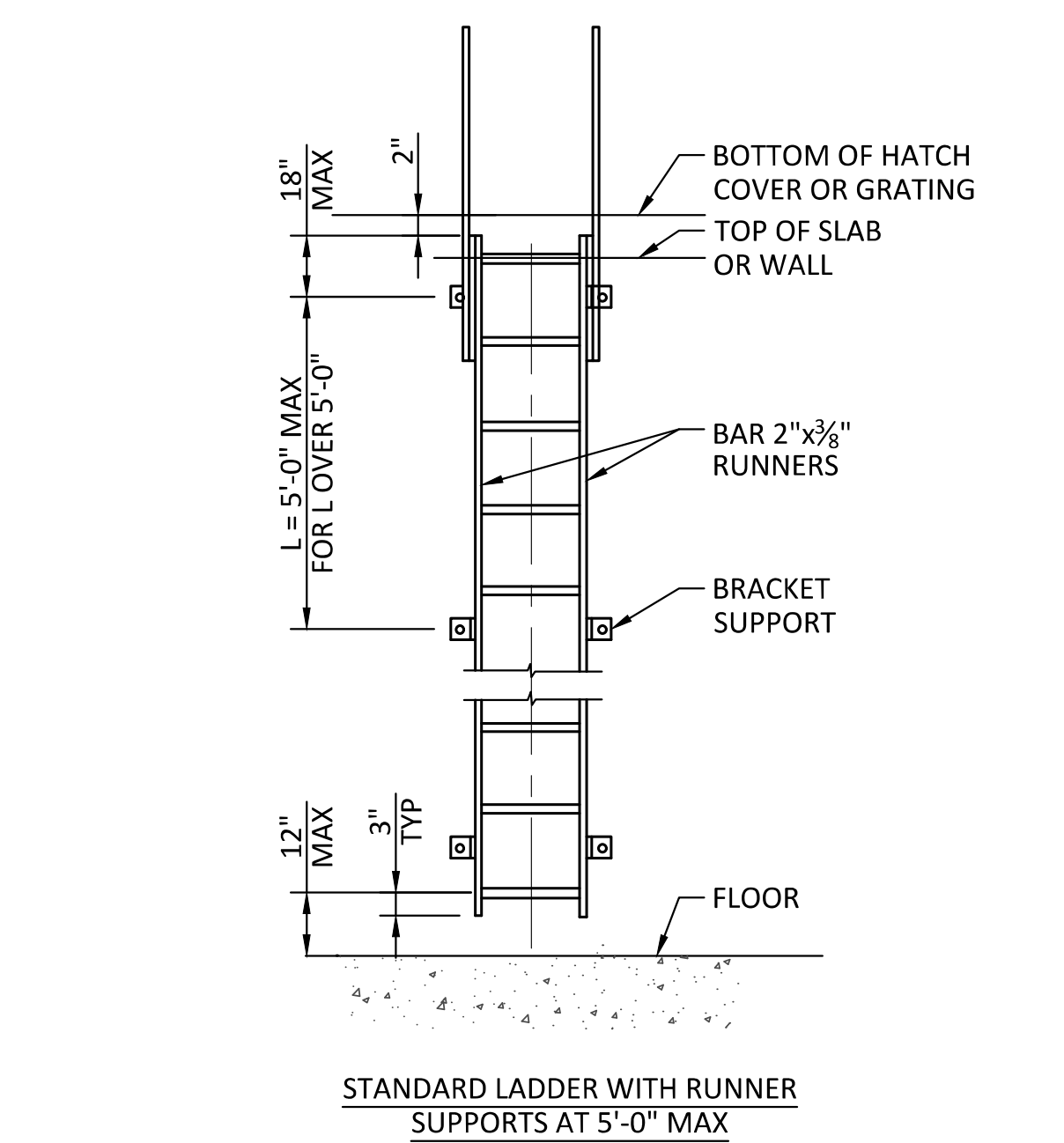
STAIR TOP CONNECTION TO CONCRETE

SCALE: NTS



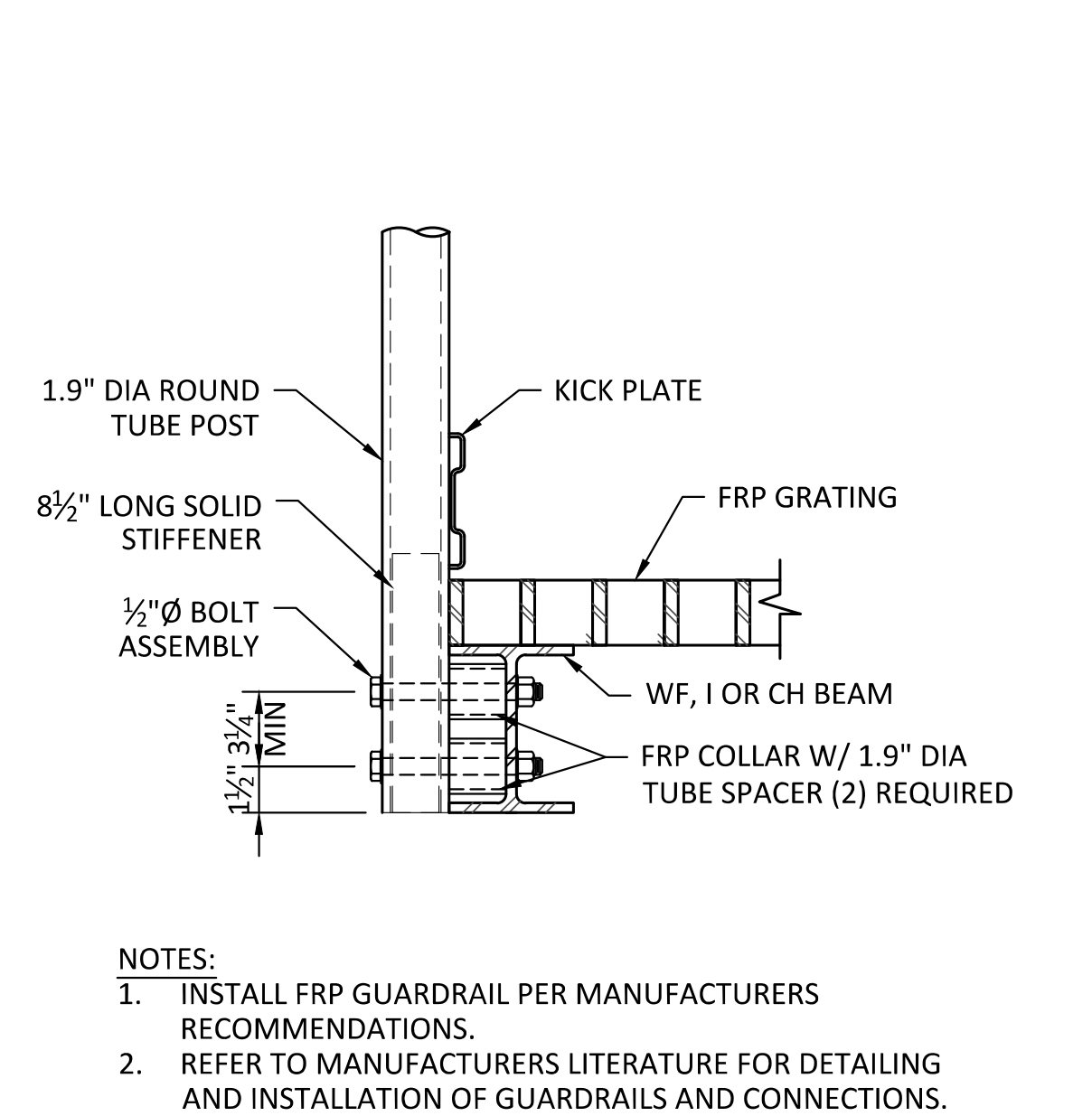
TWO-RAIL - GUARDRAIL DETAIL

SCALE: NTS



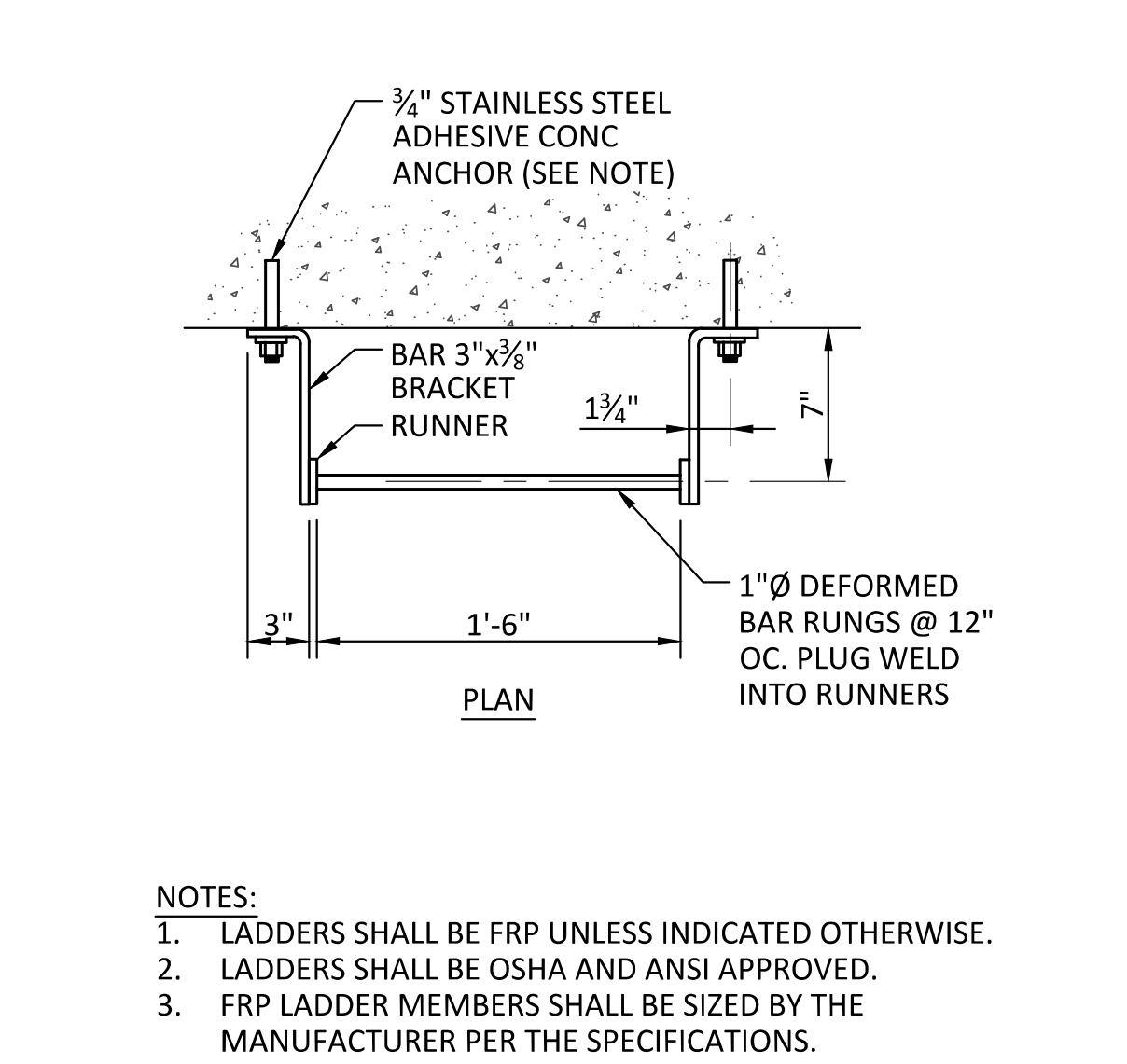
FRP GUARDRAIL POST TO STEEL BEAM OR CHANNEL WITH FRP SPACERS

SCALE: NTS



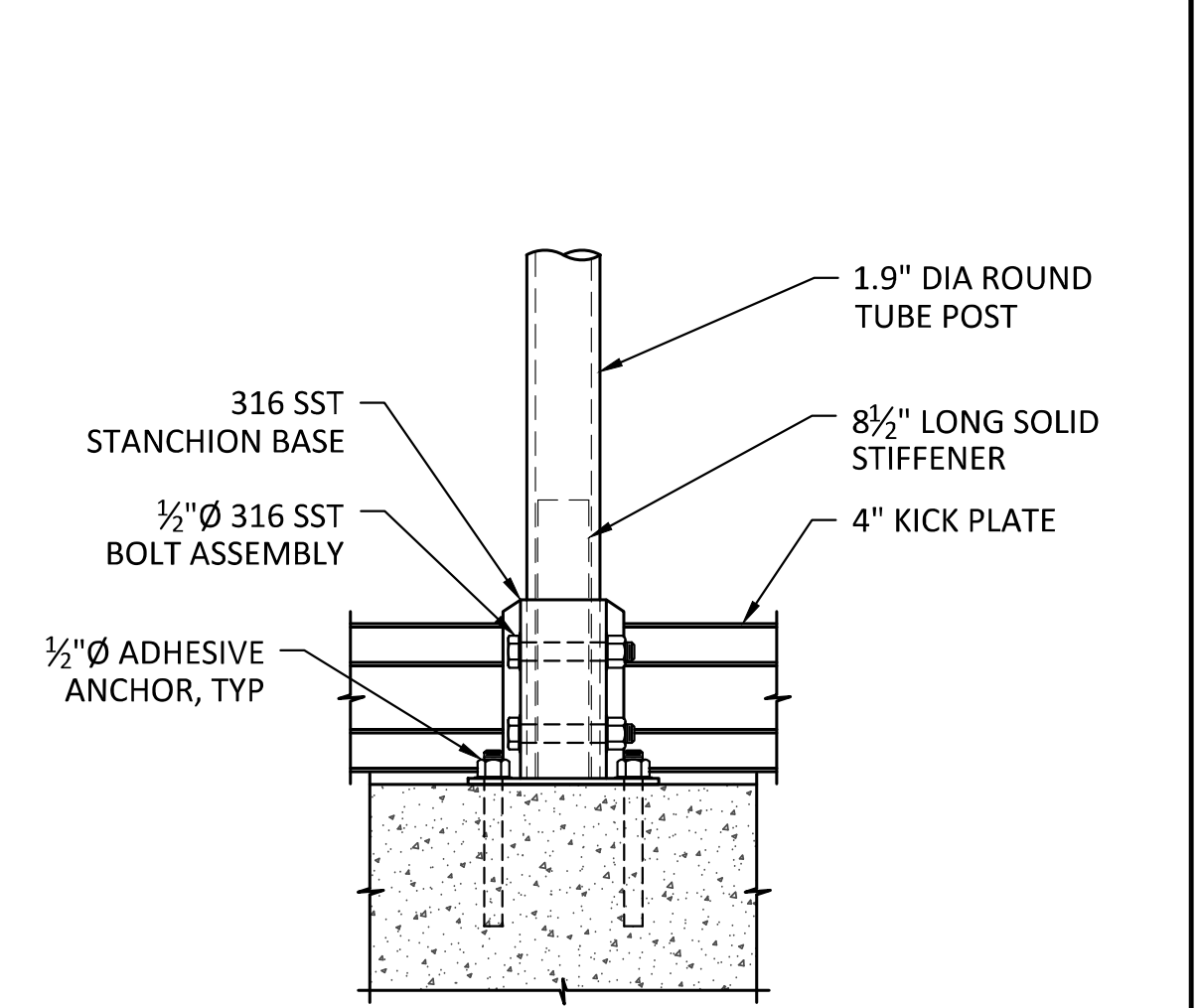
FRP GUARDRAIL POST TO CONCRETE

SCALE: NTS



TWO-RAIL - GUARDRAIL DETAIL

SCALE: NTS



FRP GUARDRAIL POST TO CONCRETE

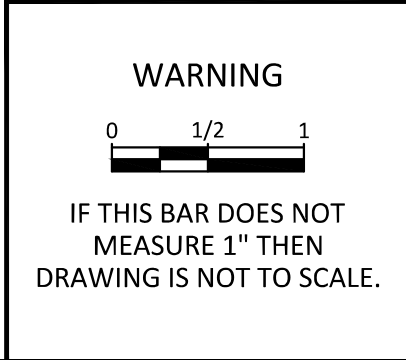
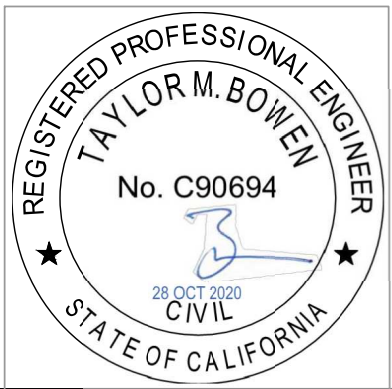
SCALE: NTS



FRP GUARDRAIL POST TO STEEL BEAM OR CHANNEL WITH FRP SPACERS

SCALE: NTS

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



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|-----------------------------------|--|--------------|-------------|-----------------------------|
| KLAMATH RIVER RENEWAL CORPORATION | | DESIGNED | Z. AUTIN | DRAWING GS007 |
| FALL CREEK FISH HATCHERY | | DRAWN | R. GUERRERO | |
| STRUCTURAL STANDARD DETAILS 6 | | CHECKED | T. BOWEN | |
| | | PROJECT DATE | 10/28/20 | |

7/8"Ø A325 BOLTS, UNLESS NOTED OTHERWISE. SEE SCHED

7/8" CAP PL WELDED TO COL WHERE COL STOPS

PL "T"

1 1/2"

1 1/2"

BOLTS @ 3"

BEAM AS OCCURS, SEE PLAN

COPE AS REQD

SIZE, SEE PLAN

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

7/8"Ø A325 BOLTS, UNLESS NOTED OTHERWISE. SEE SCHED

7/8" WELDED COL TOP PL WHERE COL STOPS

2 1/2"

1 3/4"

1 1/2"

1 1/2"

BOLTS @ 3"

BEAM AS OCCURS, SEE PLAN

SIZE, SEE PLAN

3/8" STIFF PL

EACH STIFF PL TO EACH COL FLANGE. ELIMINATE WHEN BEAM FLANGE IS LESS THAN COL DEPTH

| CONNECTION SCHEDULE | | | |
|---------------------|-------------------------|----------------|----------------------------------|
| BEAM SIZE | DOUBLE ANGLE SIZE | # OF BOLTS (N) | ADHESIVE ANCHORS NUMBER AND SIZE |
| W6 | 4x3 1/2x3 7/8x0'-8 1/2" | 2 | (4)-3/4" DIA @ 6" OC, EW |

3/4"Ø F593, AISI TYPE 316, CONDITION CW BOLTS IN SHORT SLOTTED HOLES IN BEAM WEB

SIZE, SEE TABLE

3 1/2"

1 1/4" MIN

1/2" TYP

3 1/2" MIN

6"

7"

COPE AS REQD

L'S, SEE TABLE FOR SIZE

| COLUMN BASE PLATE SCHEDULE | | | | |
|----------------------------|---------|------|-------|---|
| BASE PLATE THICKNESS | ANCHORS | | | COMMENTS |
| | QTY | DIA | EMBED | |
| 1/2" | 4 | 3/4" | 1'-0" | 3/8" DIA HEAVY HEX HEAD CIP ANCHOR, 316 SST |

BEAM WHERE OCCURS, SEE PLAN

1 1/2"

2 1/2"

1 1/2"

3"

TOP OF BEAMS SHALL BE FLUSH UNO, COPE TOP AND BOTTOM FLANGES AS REQUIRED

3/4" DIA A325N BOLTS, UNO

DOUBLE ANGLE L4x4x5/16

SUPPORTED BEAM, SEE PLAN

1/2"

"N" BOLTS

| 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 COLUMN CONNECTION

SCALE: NTS

S561

BEAM TO CONC CONNECTION

SCALE: NTS

S563

COLUMN BASE PLATE

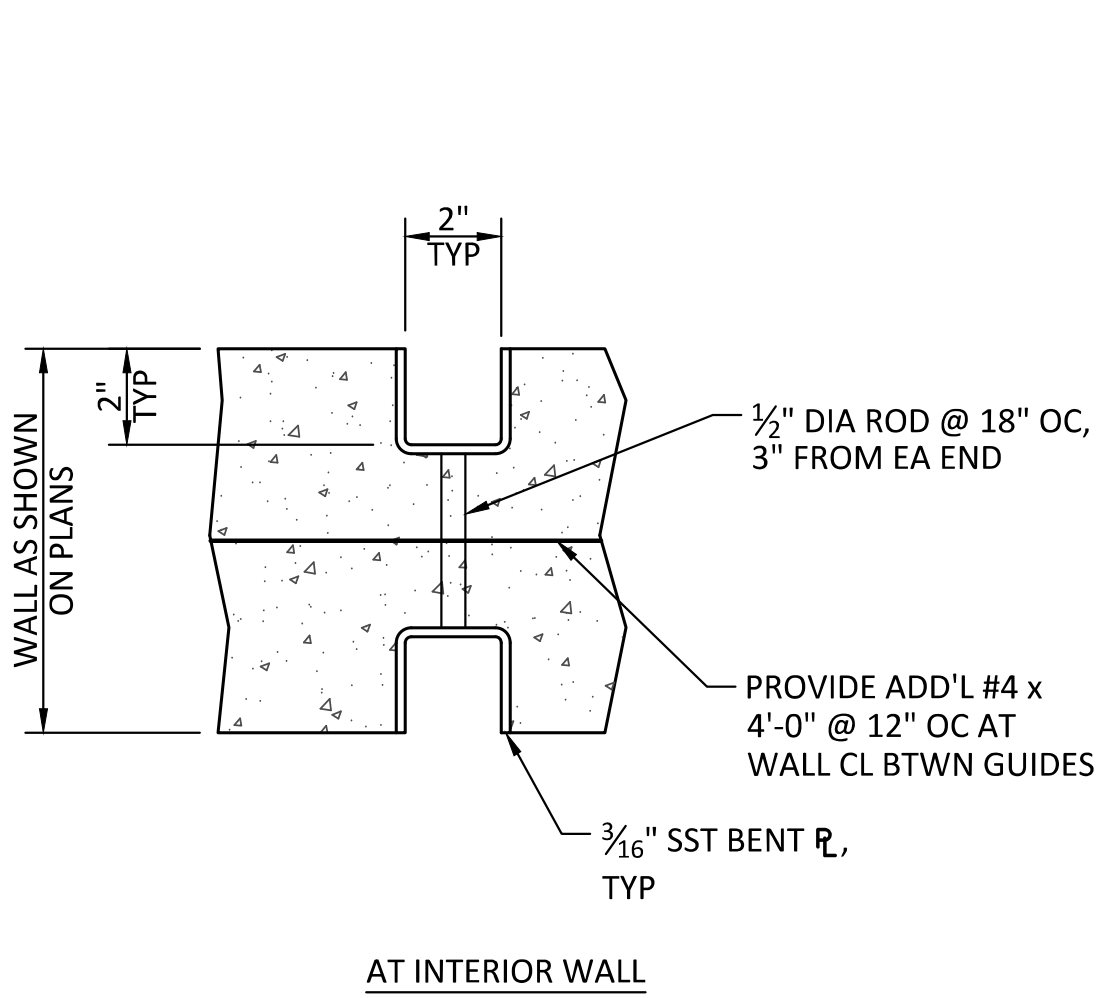
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S567

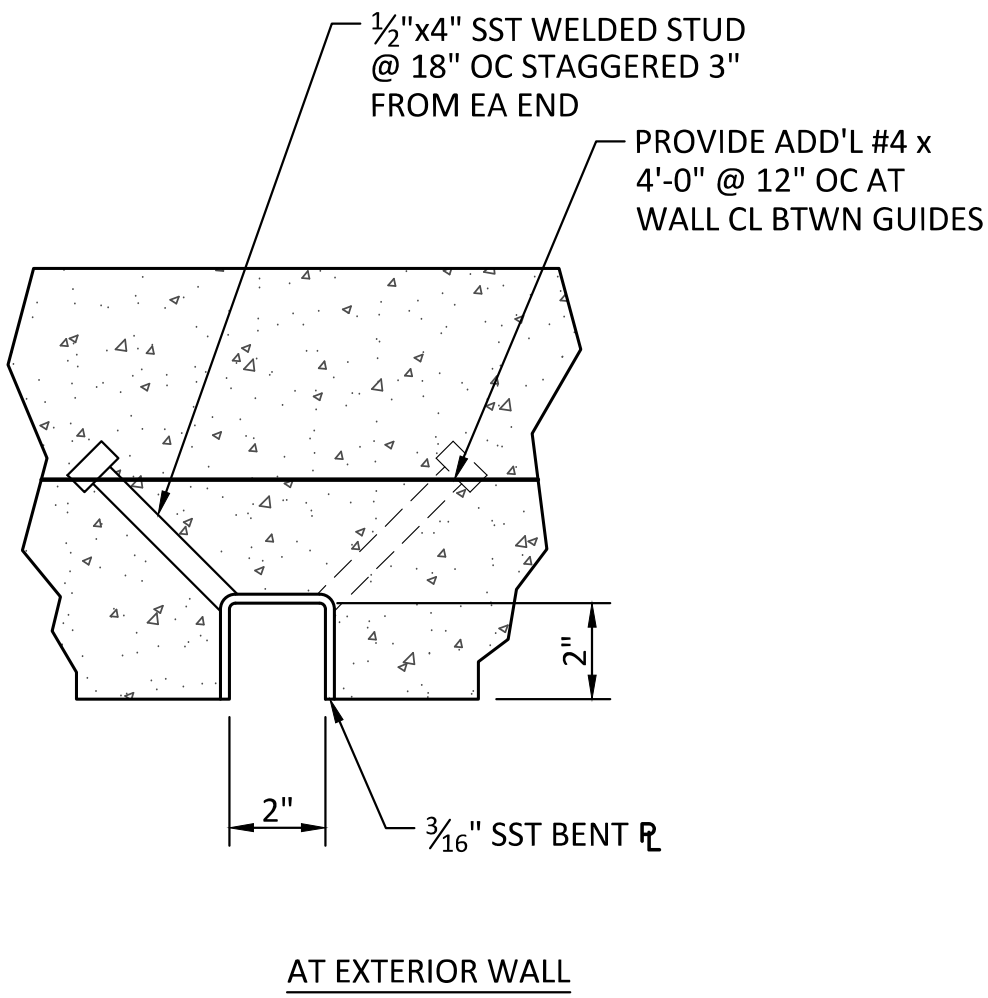
BEAM TO BEAM CONNECTION (DOUBLE ANGLE CONNECTION)

SCALE: NTS

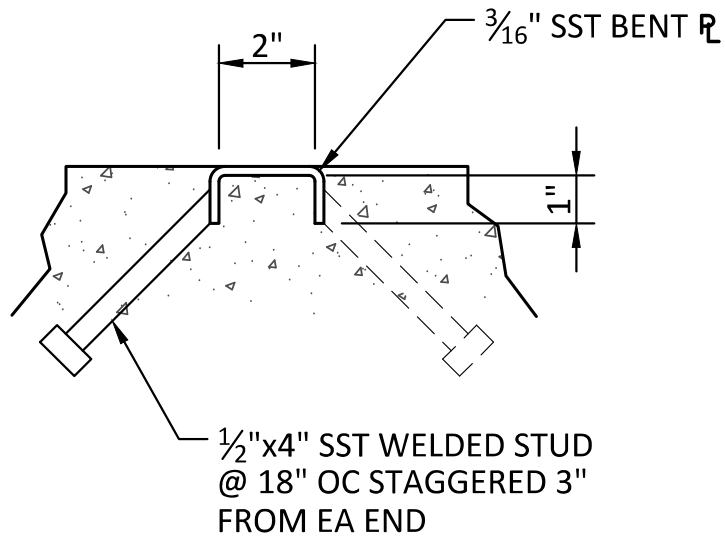
S568



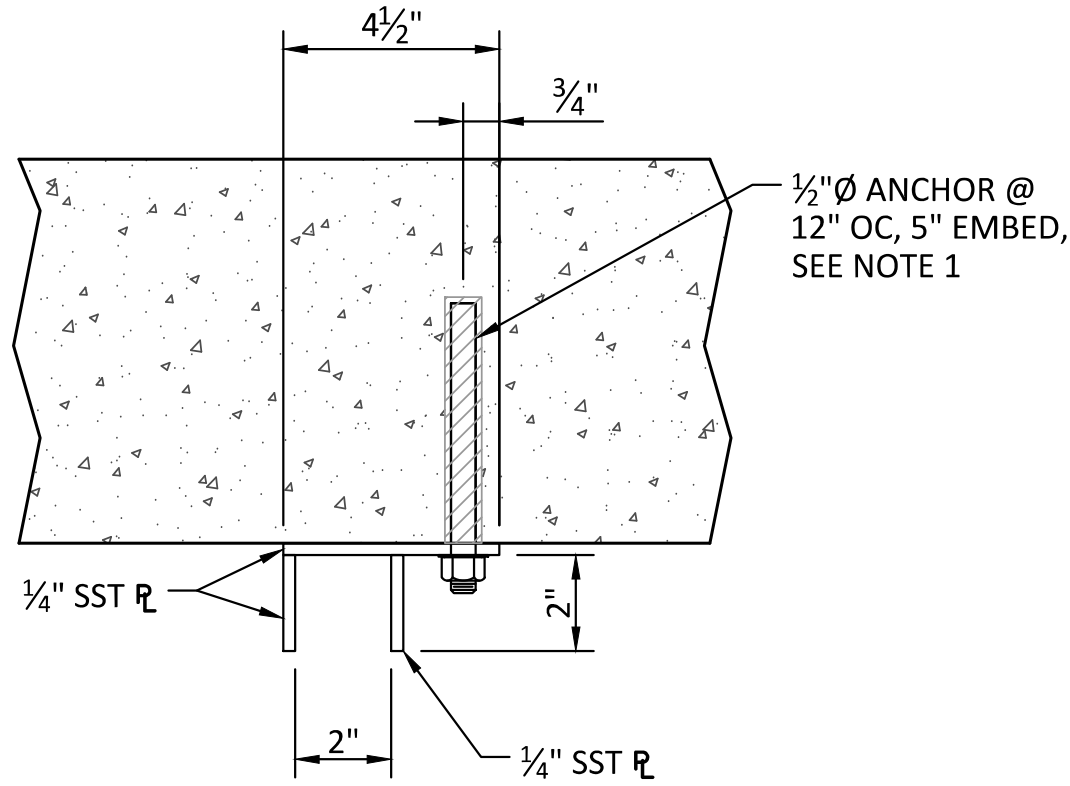
NOTE:
316 SST MAY BE SUBSTITUTED WITH EXTRUDED OR BUILT UP ALUMINUM (COATED PER SPECIFICATIONS) AT CONTRACTOR'S DISCRETION.



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



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

SCALE: NTS

SINGLE GUIDE SLOT - PLAN

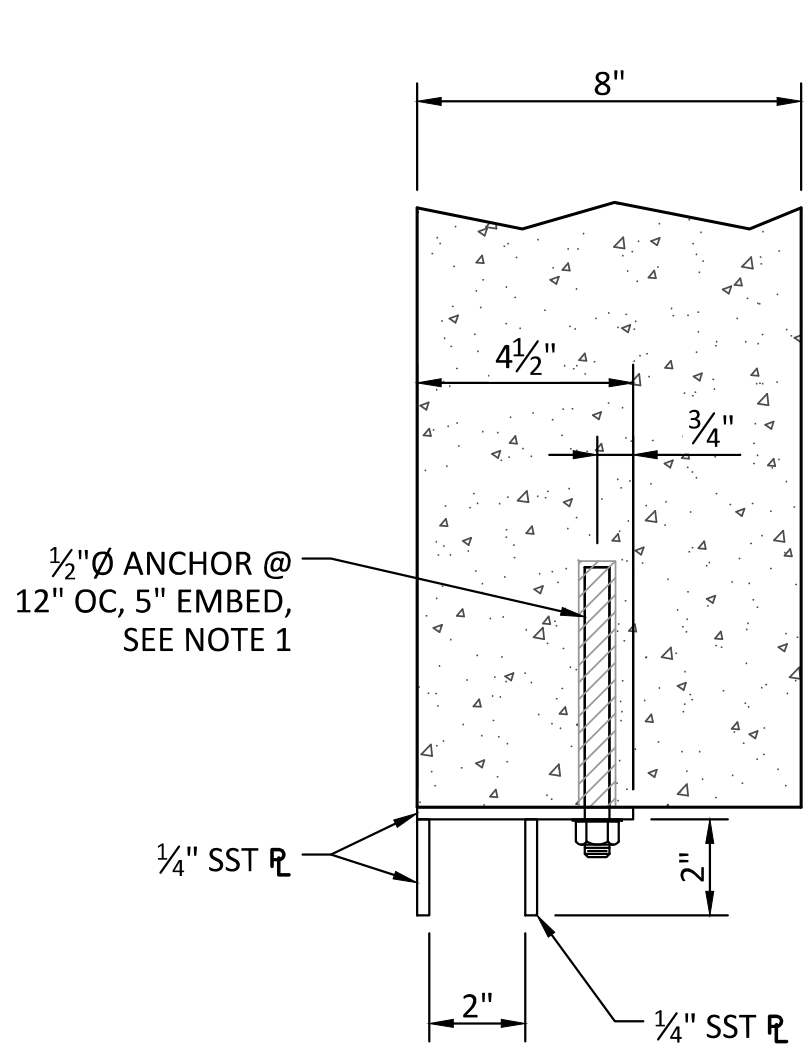
SCALE: NTS

FLOOR PLATE SILL AT GUIDE SLOT - SECTION

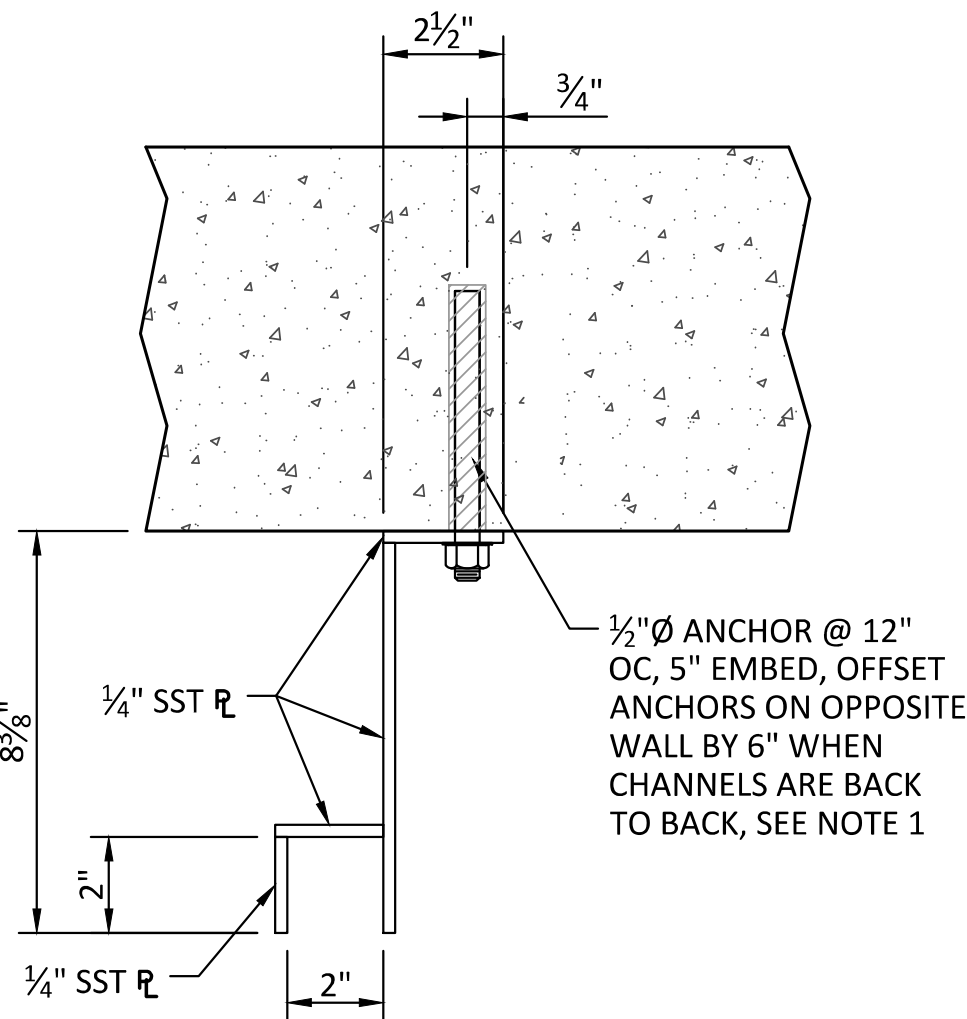
SCALE: NTS

GUIDE SLOT B

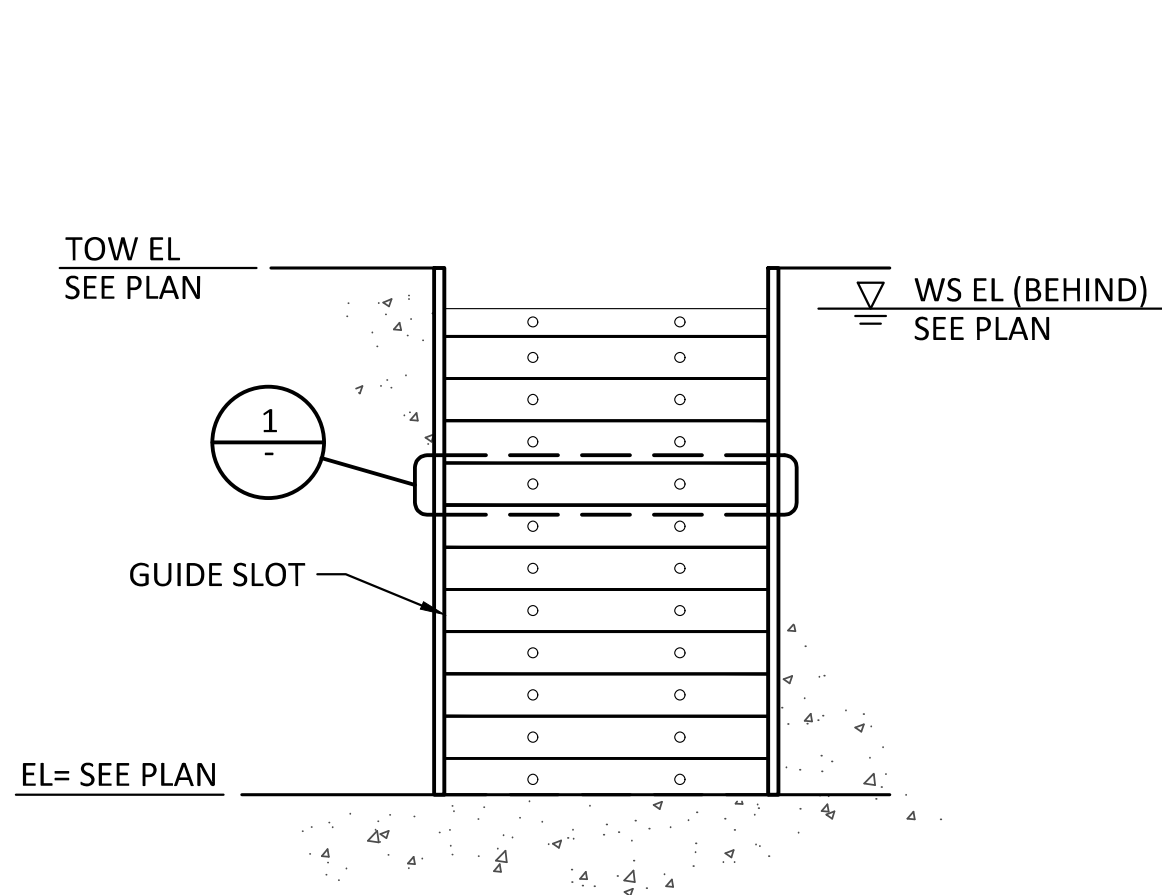
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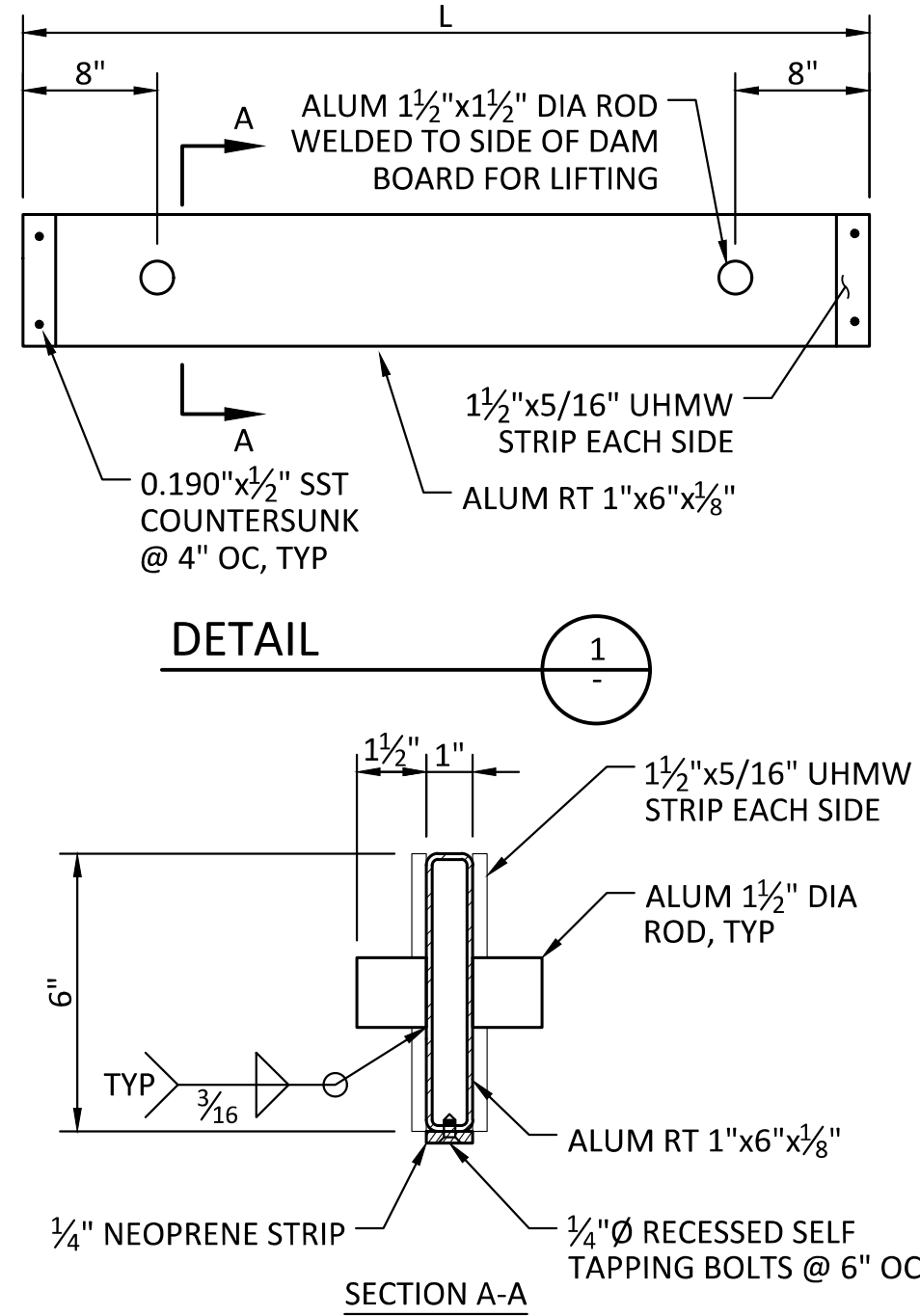
NOTE:
316 SST MAY BE SUBSTITUTED WITH EXTRUDED OR BUILT UP ALUMINUM (COATED PER SPECIFICATIONS) AT CONTRACTOR'S DISCRETION.



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



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



| 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'-0 3/8" | 6 |
| S3B | 5'-0 3/8" | 6 |
| S3C | 5'-0 3/8" | 8 |
| S3D | 5'-0 3/8" | 8 |
| S3E | 5'-0 3/8" | 8 |
| S3F | 5'-0 3/8" | 8 |
| S3G | 2'-3" | 8 |
| S4A | 5'-0 3/8" | 8 |
| S4B | 5'-0 3/8" | 8 |
| S4C | 5'-0 3/8" | 8 |
| S4D | 5'-0 3/8" | 8 |
| S4E | 5'-0 3/8" | 8 |
| S4F | 5'-0 3/8" | 8 |
| S4G | 5'-0 3/8" | 8 |
| S4H | 5'-0 3/8" | 8 |

| DAM BOARD SCHEDULE | | |
|--------------------|------------|----------|
| LOCATION | LENGTH (L) | # BOARDS |
| S4I | 5'-0 3/8" | 8 |
| S4J | 5'-0 3/8" | 8 |
| S4K | 5'-0 3/8" | 8 |
| S4L | 5'-0 3/8" | 8 |
| S4M | 5'-0 3/8" | 8 |
| S4N | 5'-0 3/8" | 8 |
| S4O | 5'-0 3/8" | 8 |
| S4P | 5'-0 3/8" | 8 |
| S4Q | 5'-3" | 8 |
| S4R | 2'-9" | 8 |
| S6A | 5'-3" | 8 |
| S6B | 5'-0 1/2" | 8 |
| S6C | 3'-3" | 8 |
| S6D | 5'-0 3/8" | 8 |
| S6E | 2'-9" | 8 |
| S6F | 2'-9" | 8 |
| S6G | 5'-0 3/8" | 8 |
| S6H | 4'-3" | 8 |

GUIDE SLOT C

SCALE: NTS

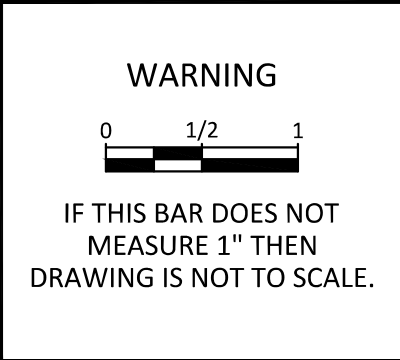
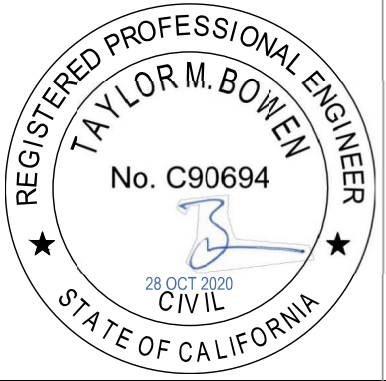
GUIDE SLOT A

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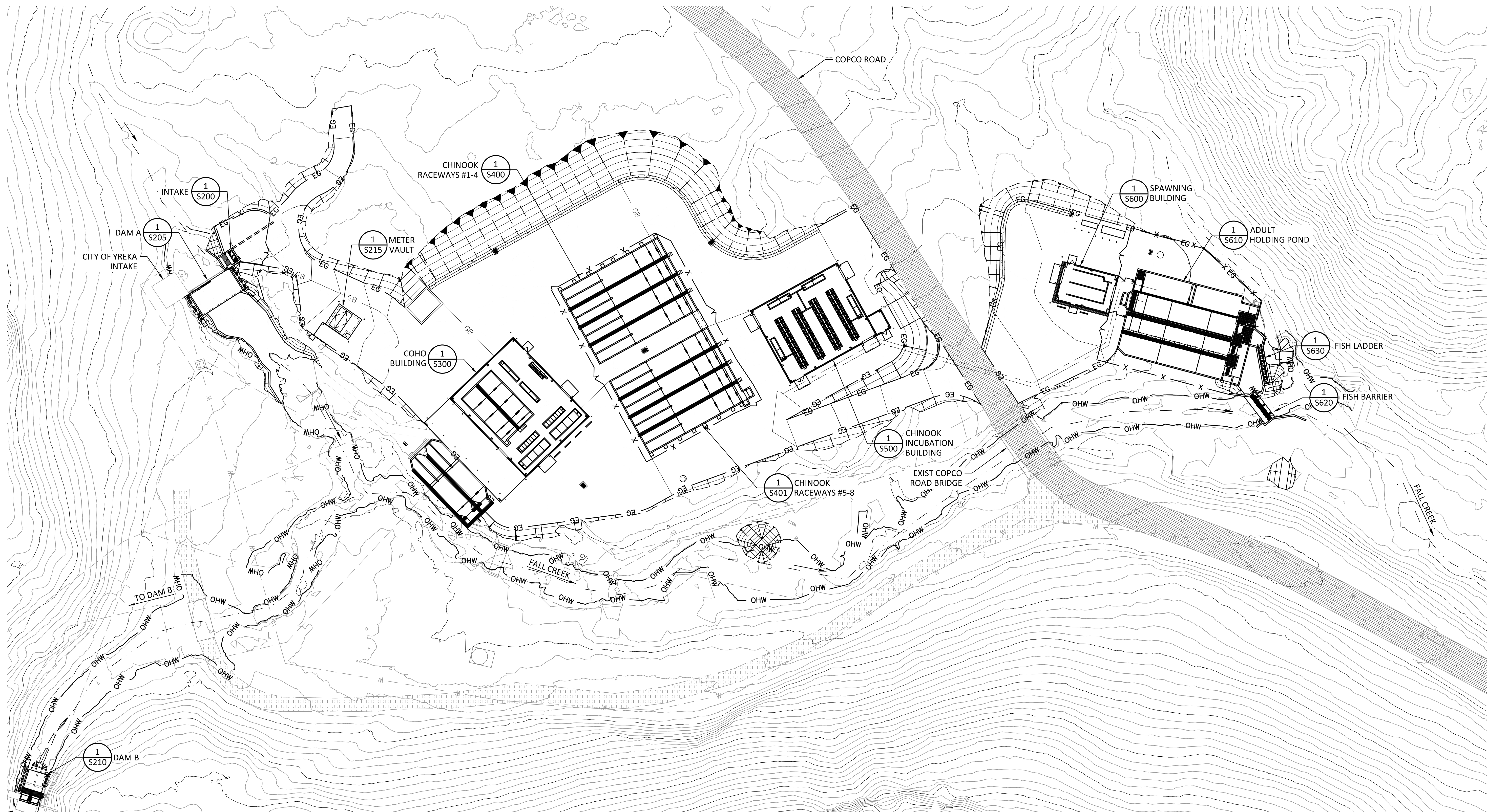
DAM BOARD GUIDE SLOT

SCALE: NTS

| REV | DATE | BY | DESCRIPTION |
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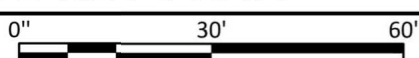


| | | |
|-----------------------------------|--|-----------------------------|
| KLAMATH RIVER RENEWAL CORPORATION | | DRAWING GS009 |
| FALL CREEK FISH HATCHERY | | |
| STRUCTURAL STANDARD DETAILS 8 | | |
| | | |
| DESIGNED <u> Z. AUTIN </u> | | |
| DRAWN <u> R. GUERRERO </u> | | |
| CHECKED <u> T. BOWEN </u> | | |
| PROJECT DATE <u> 10/28/20 </u> | | |

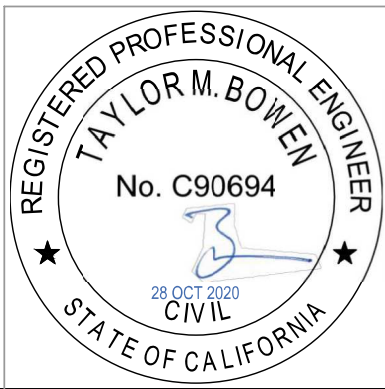


OVERALL STRUCTURE SITE KEY PLAN

SCALE: 1"= 30'



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



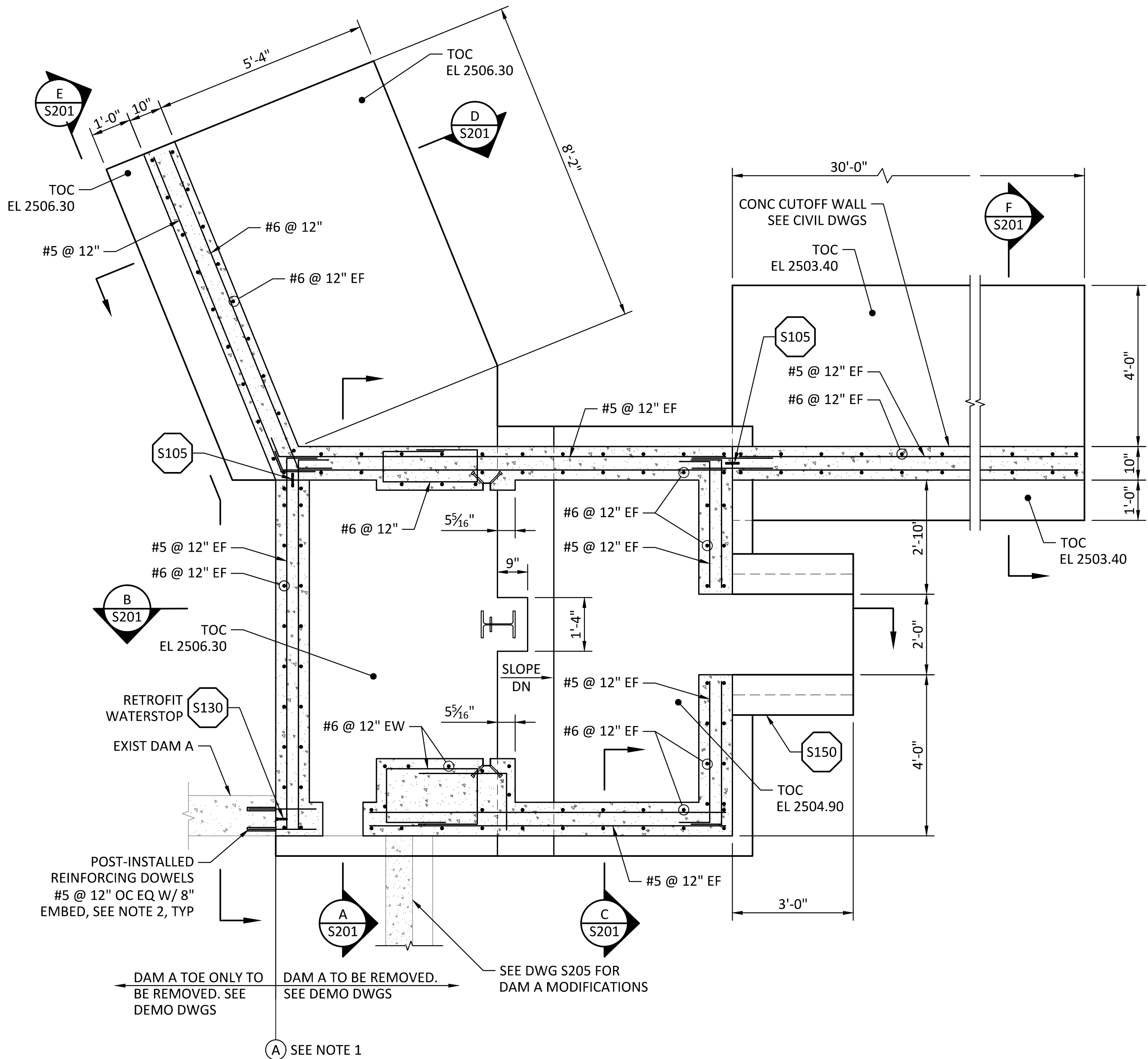
WARNING

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



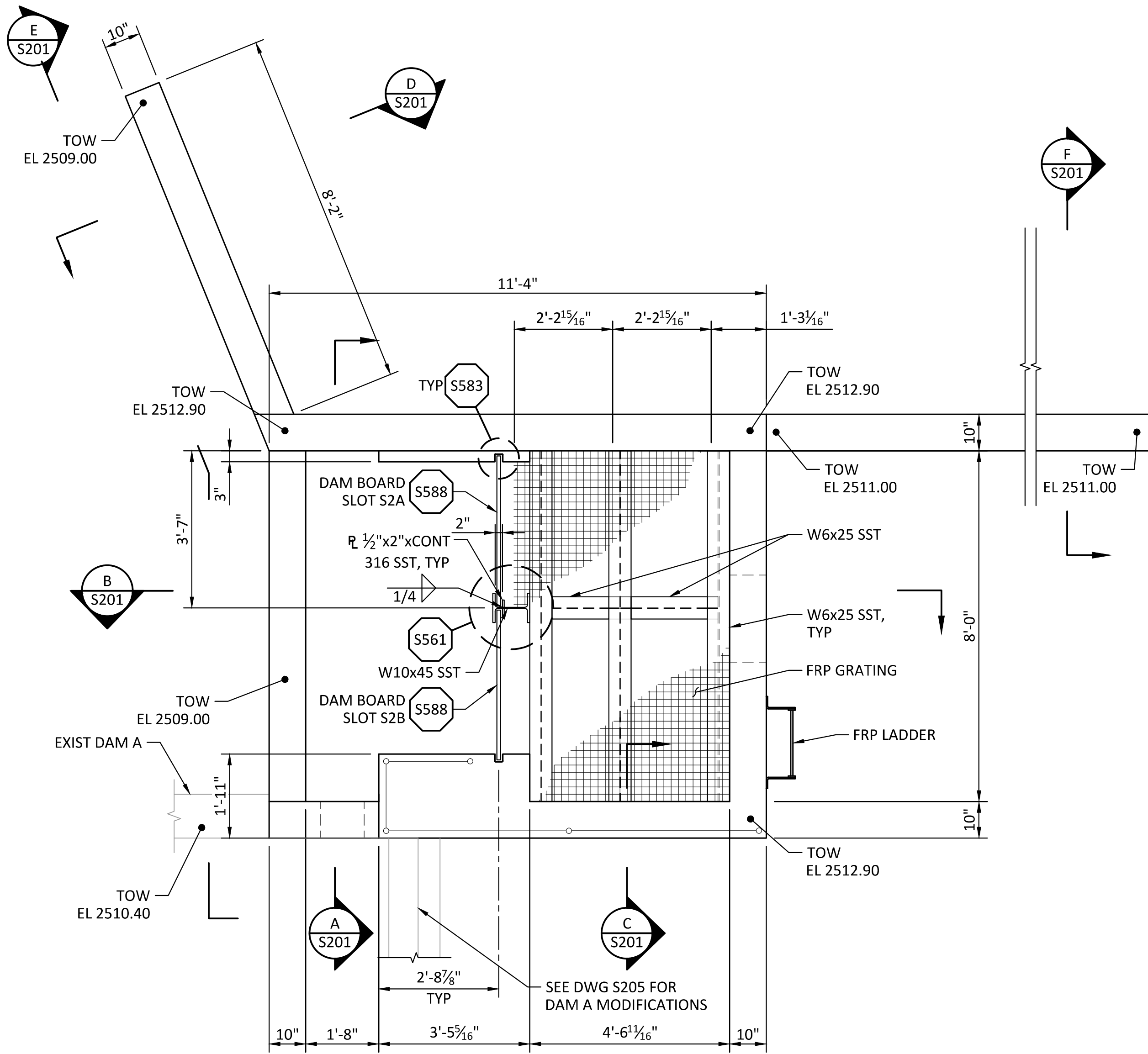
| | | |
|-------------------------------------|------------------------------|----------------------------|
| KLAMATH RIVER RENEWAL CORPORATION | DESIGNED <u>Z. AUTIN</u> | DRAWING S100 |
| FALL CREEK FISH HATCHERY | DRAWN <u>R. GUERRERO</u> | |
| OVERALL STRUCTURAL SITE KEY PLAN | CHECKED <u>T. BOWEN</u> | |
| | PROJECT DATE <u>10/28/20</u> | |

- 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"

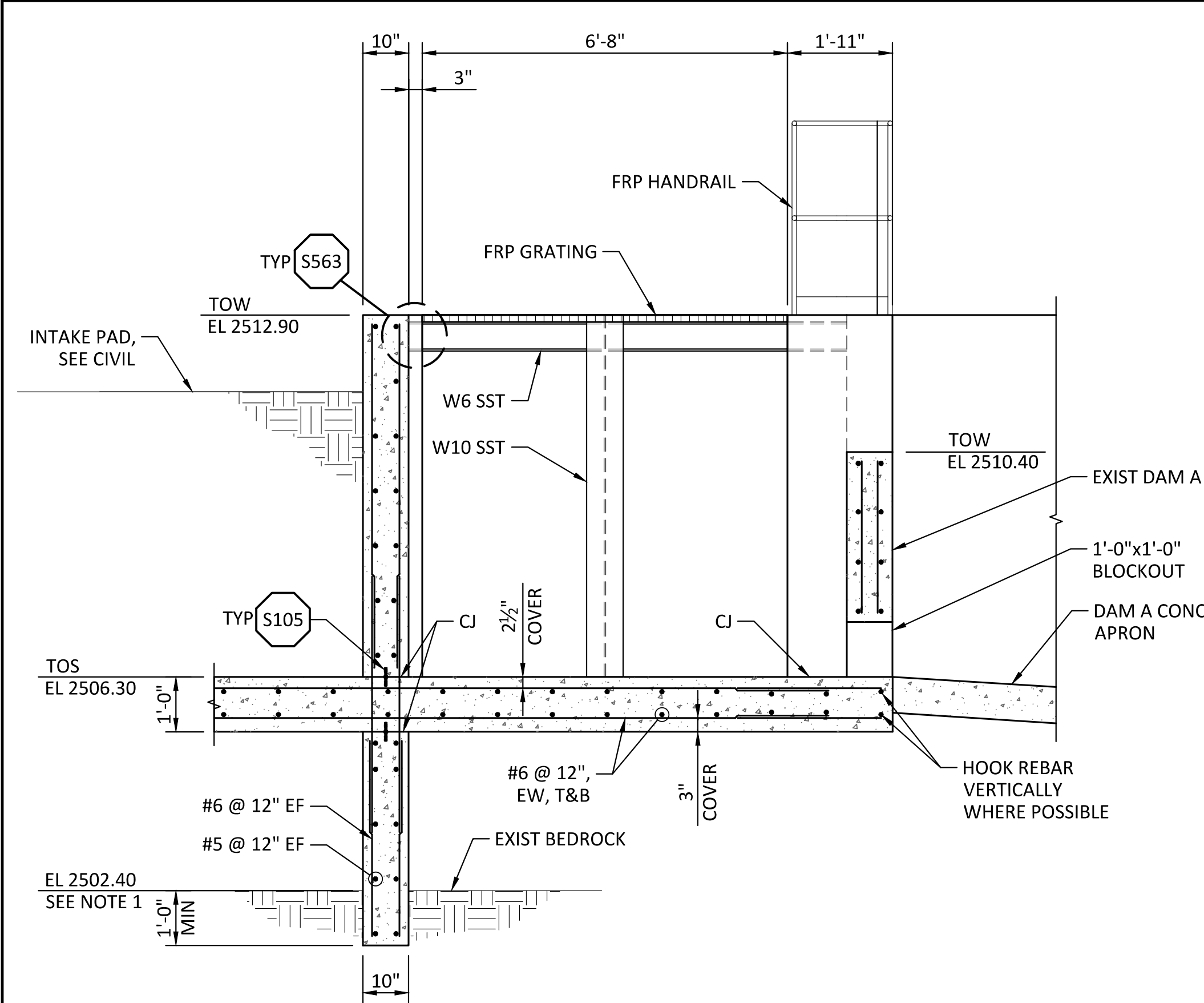
| REV | DATE | BY | DESCRIPTION |
|-----|----------|-----|-------------------------|
| 0 | 10/28/20 | MDM | ISSUED FOR CONSTRUCTION |



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

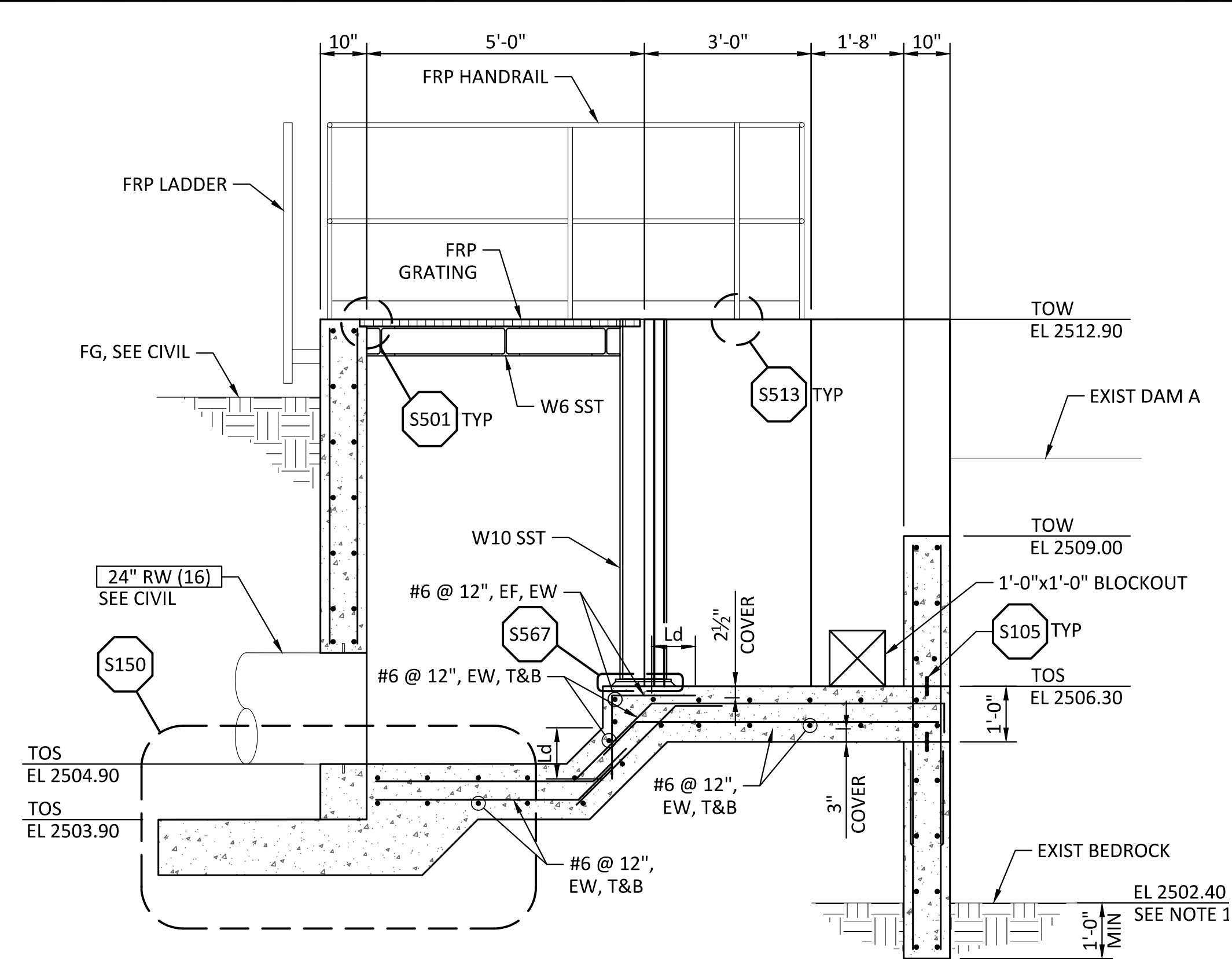


| | | | |
|-----------------------------------|--|------------------------------|----------------------------|
| KLAMATH RIVER RENEWAL CORPORATION | | DESIGNED <u>Z. AUTIN</u> | DRAWING S200 |
| FALL CREEK FISH HATCHERY | | DRAWN <u>R. GUERRERO</u> | |
| INTAKE FOUNDATION AND TOP PLAN | | CHECKED <u>T. BOWEN</u> | |
| | | PROJECT DATE <u>10/28/20</u> | |



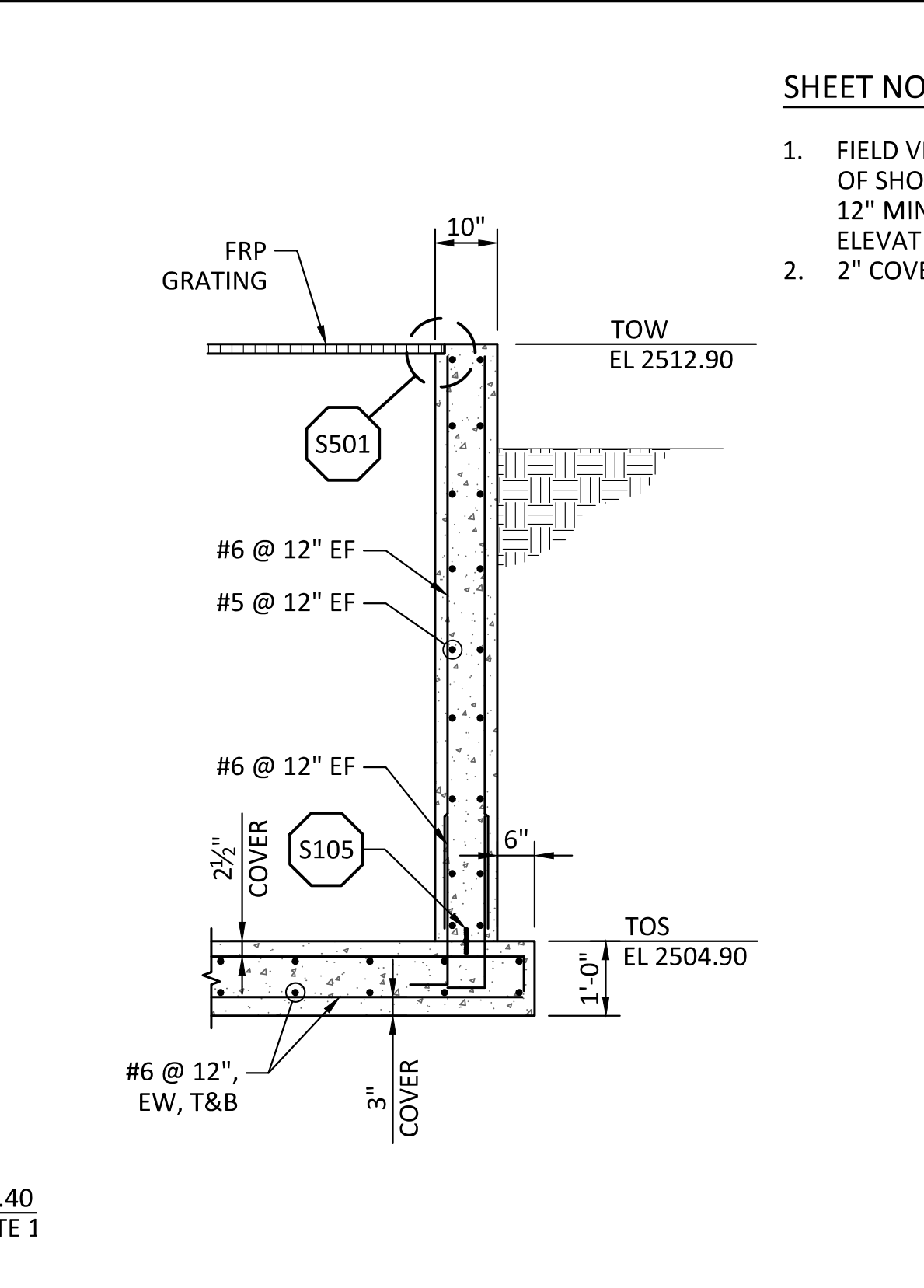
SECTION

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



SECTION

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



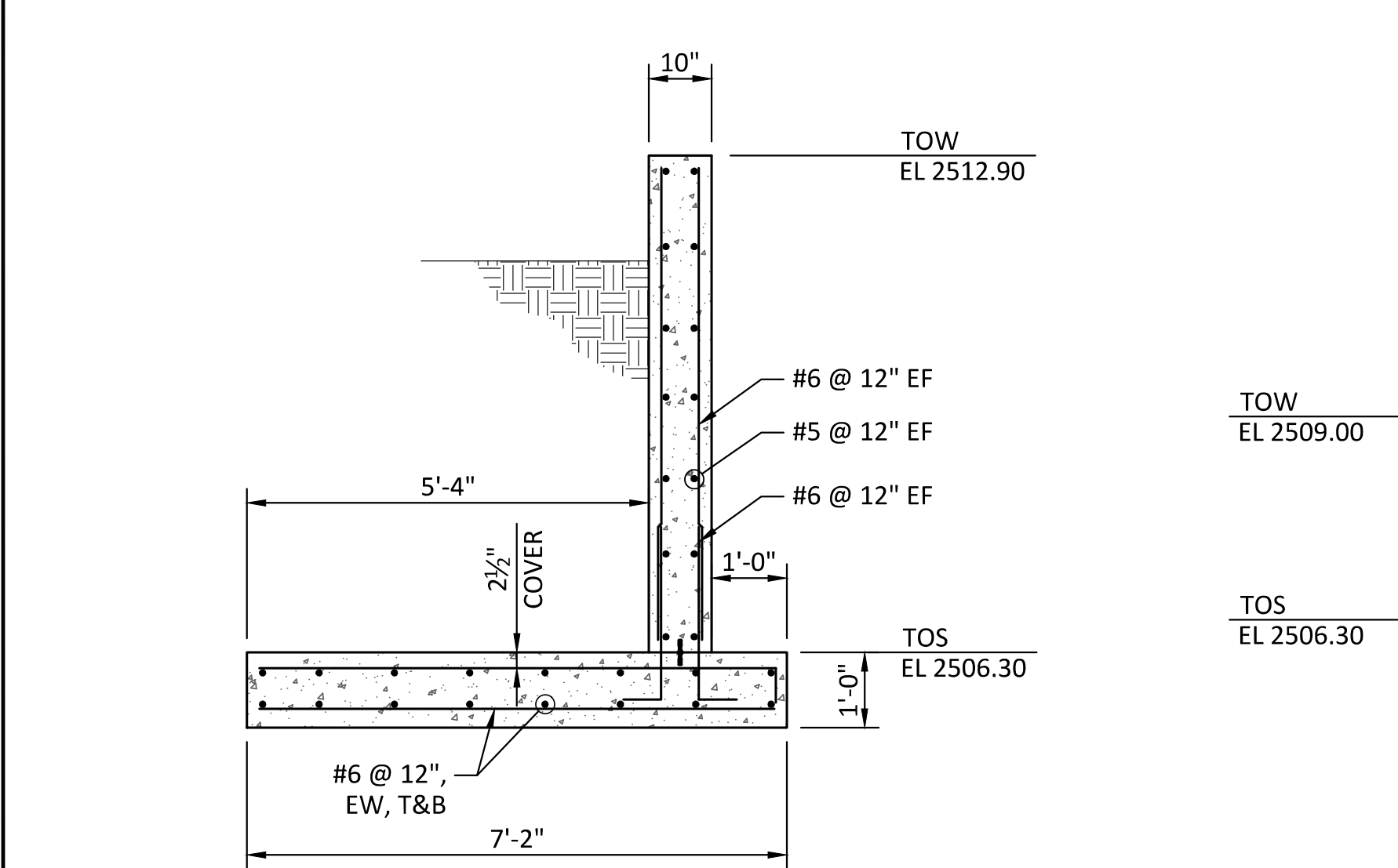
SECTION

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



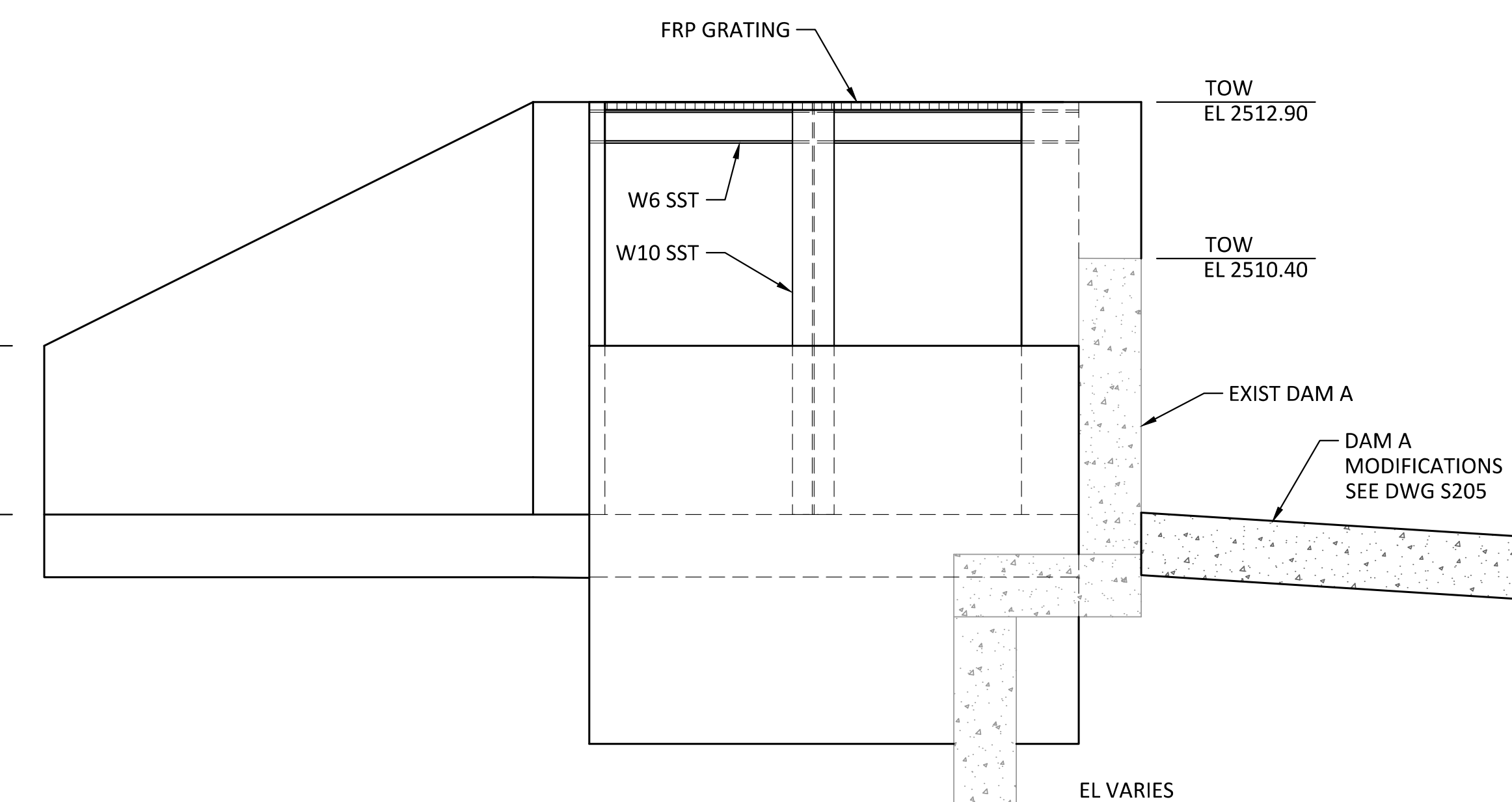
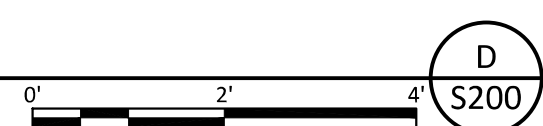
SHEET NOTES:

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.



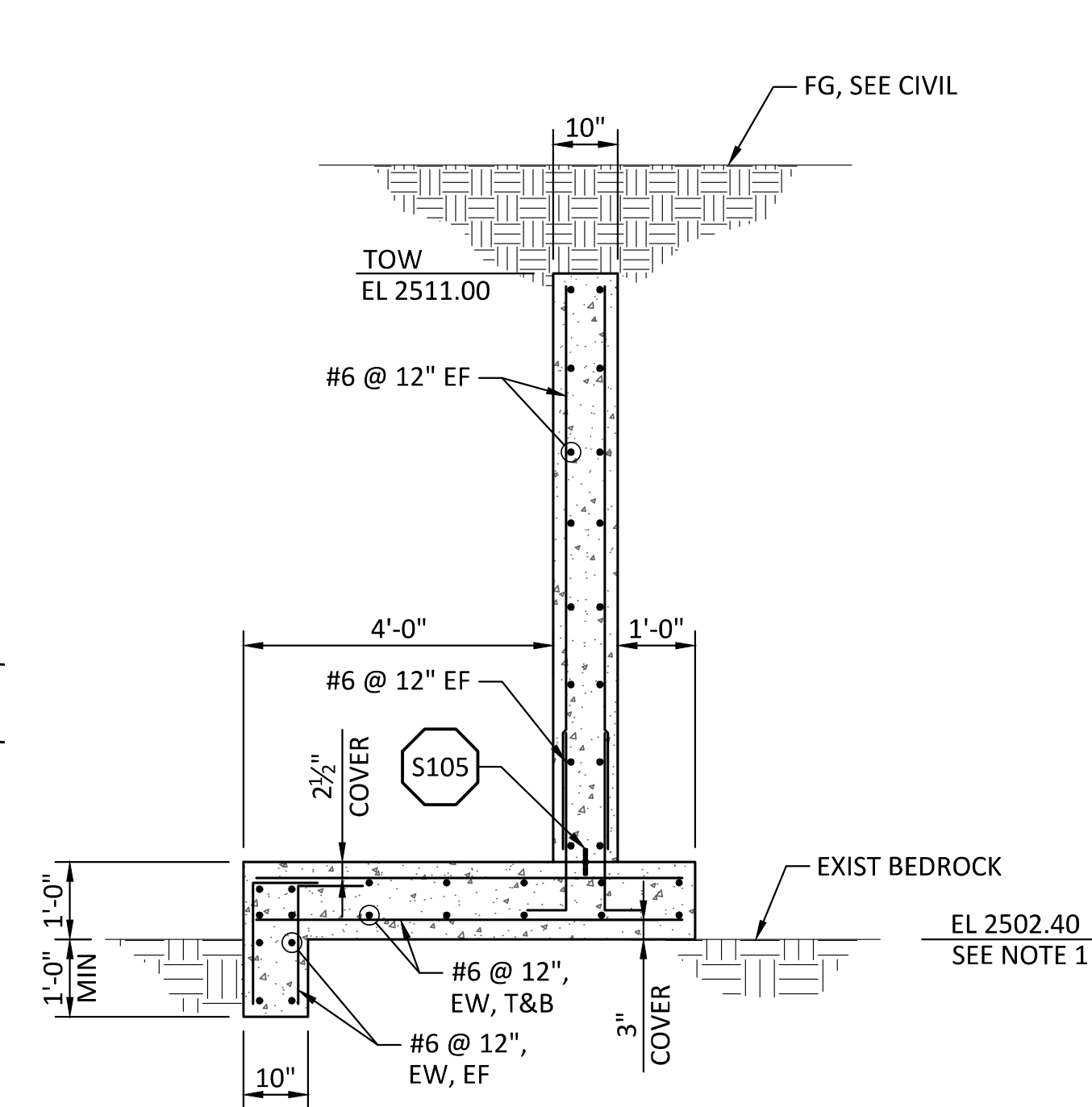
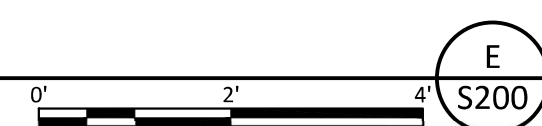
SECTION

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



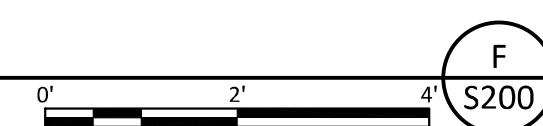
SECTION

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

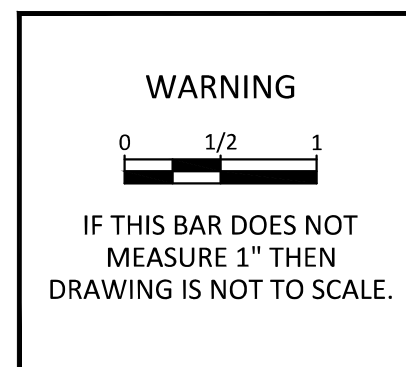


SECTION

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

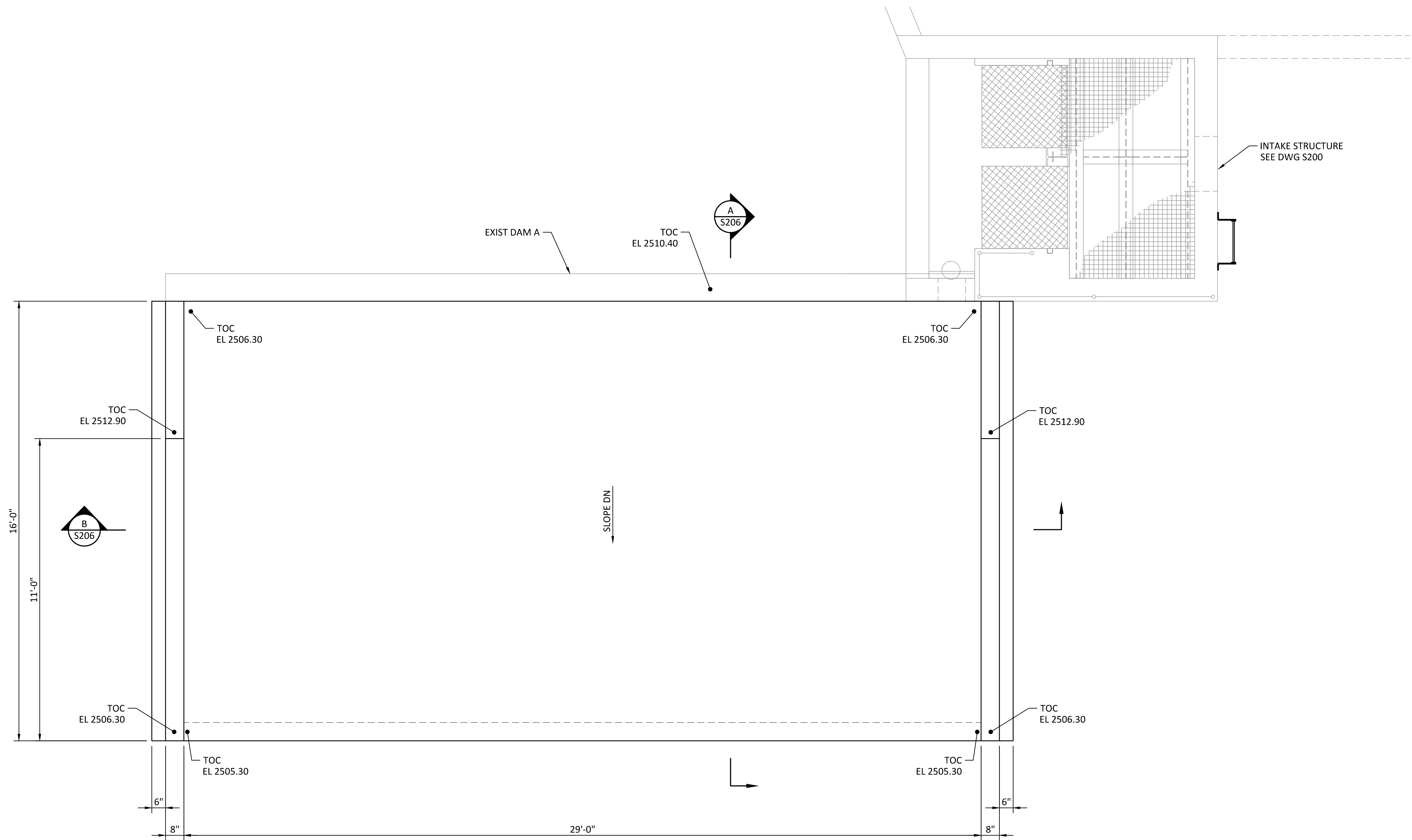


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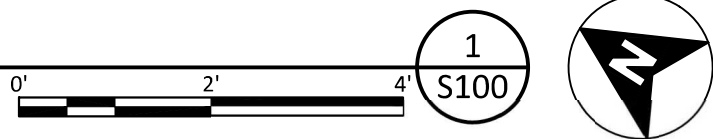
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| KLAMATH RIVER RENEWAL CORPORATION | | DESIGNED <u>Z. AUTIN</u> | DRAWING S201 |
| FALL CREEK FISH HATCHERY | | DRAWN <u>R. GUERRERO</u> | |
| INTAKE SECTIONS AND DETAILS | | CHECKED <u>T. BOWEN</u> | |
| | | PROJECT DATE <u>10/28/20</u> | |

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"



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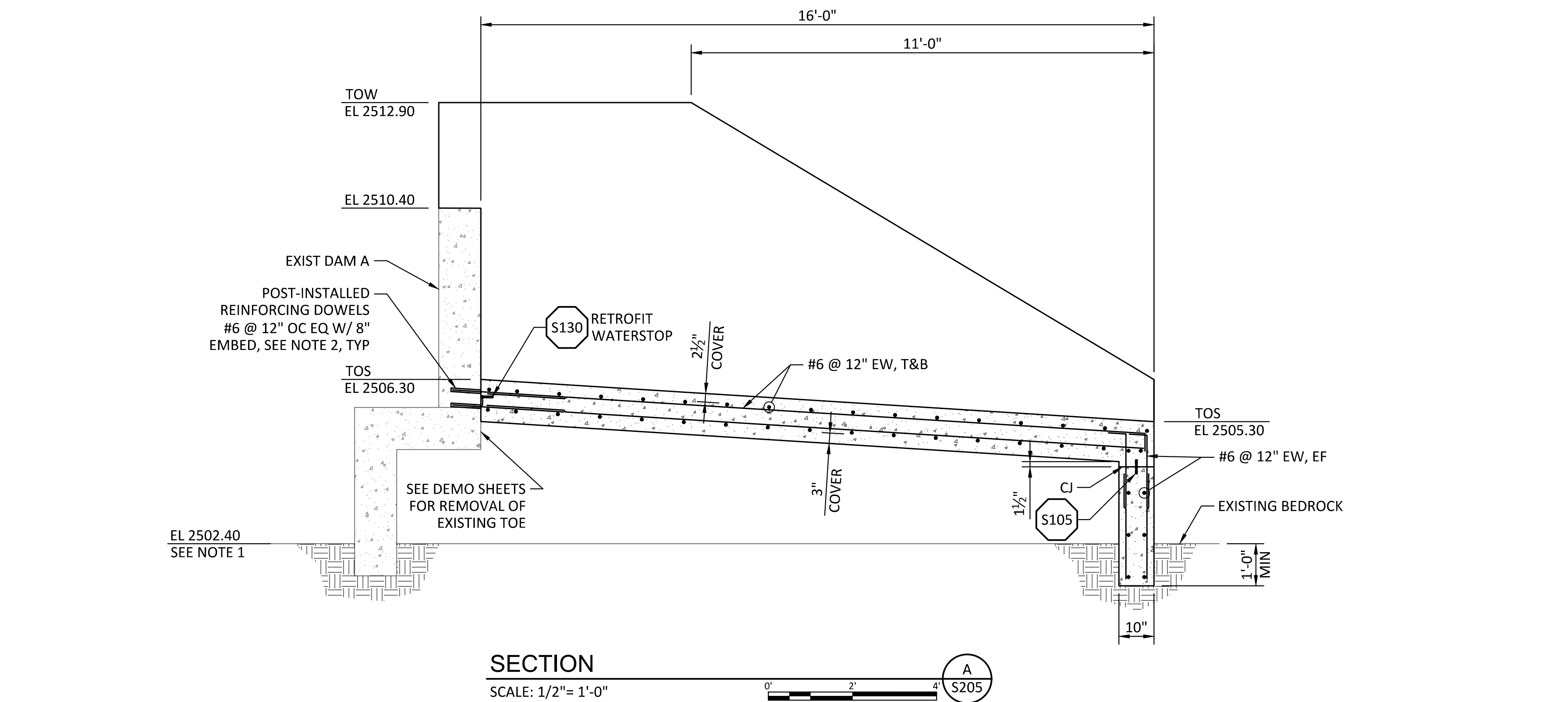
WARNING

0 1/2 1

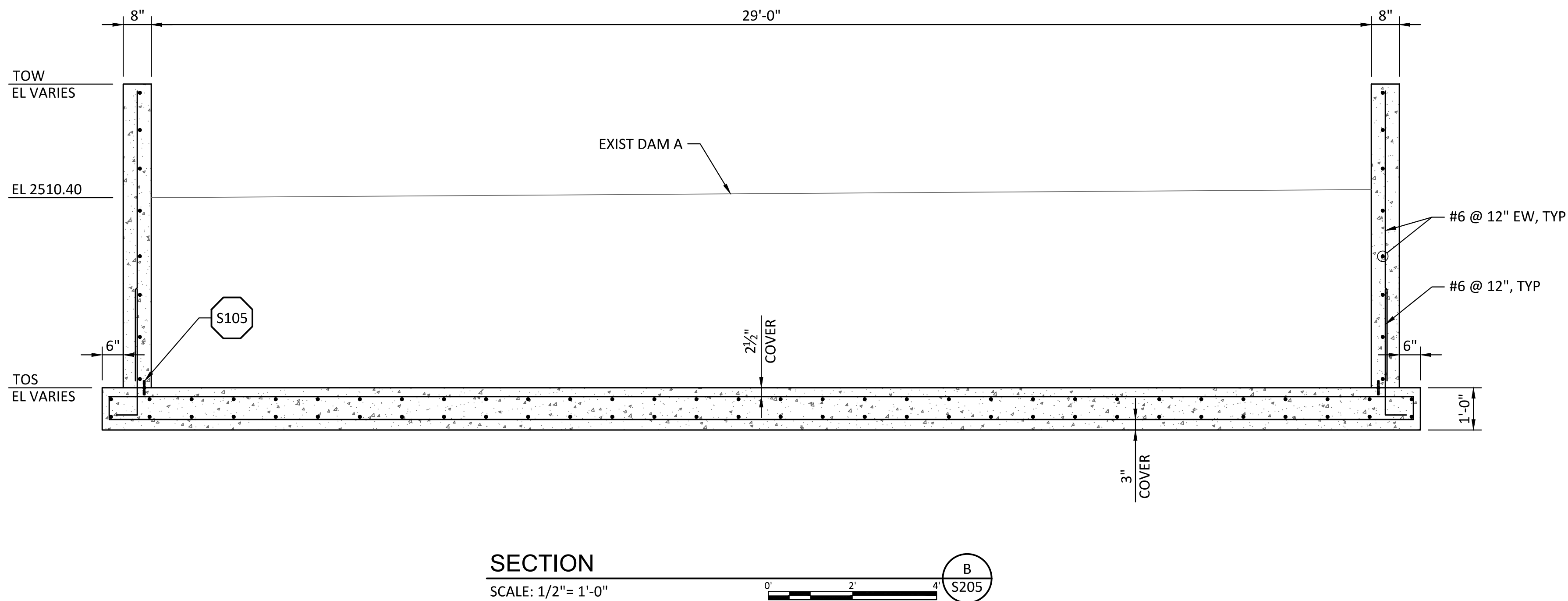
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.



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| KLAMATH RIVER RENEWAL CORPORATION | | DESIGNED <u>Z. AUTIN</u> | DRAWING S205 |
| FALL CREEK FISH HATCHERY | | DRAWN <u>R. GUERRERO</u> | |
| DAM A PLAN | | CHECKED <u>T. BOWEN</u> | |
| | | PROJECT DATE <u>10/28/20</u> | |



- 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.



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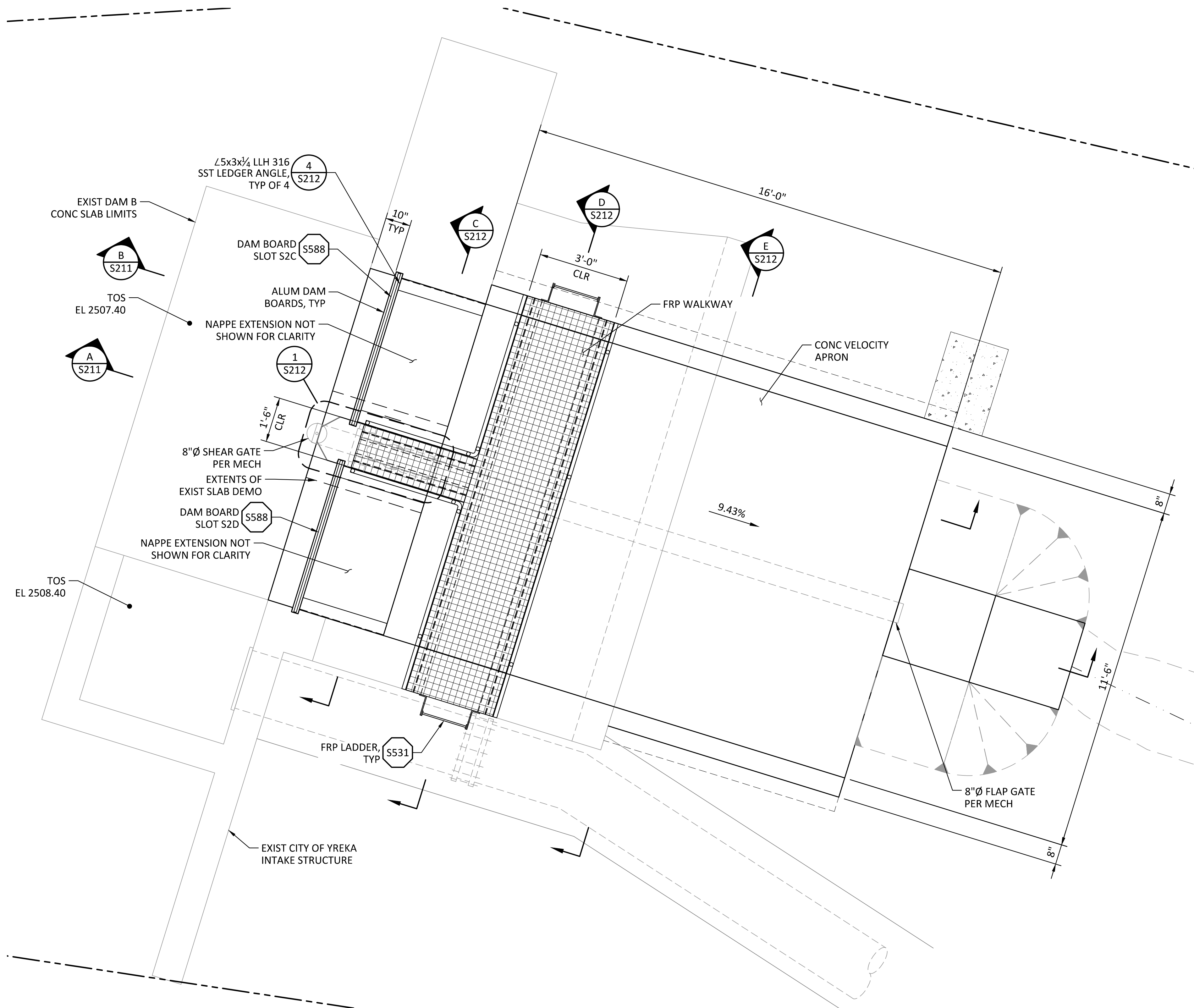
WARNING

0 1/2 1

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

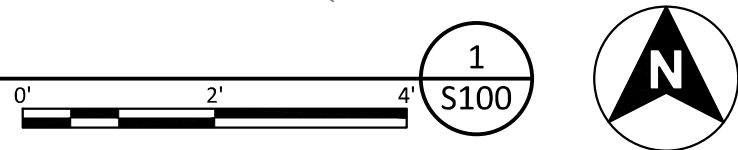


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| KLAMATH RIVER RENEWAL CORPORATION | | DESIGNED <u>Z. AUTIN</u> | DRAWING S206 |
| FALL CREEK FISH HATCHERY | | DRAWN <u>R. GUERRERO</u> | |
| DAM A SECTIONS | | CHECKED <u>T. BOWEN</u> | |
| | | PROJECT DATE <u>10/28/20</u> | |

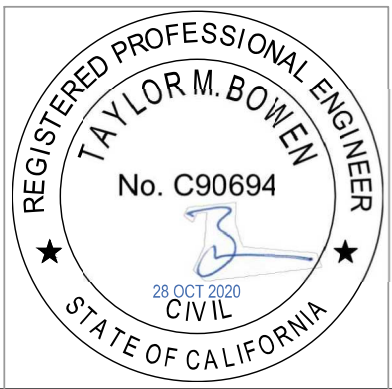


DAM B MODIFICATIONS PLAN

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



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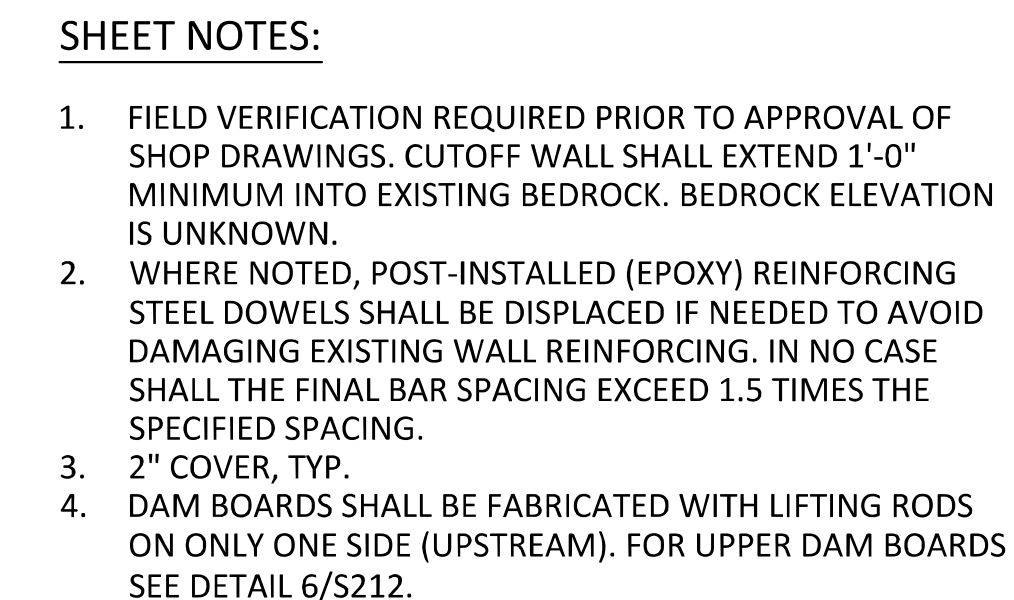
WARNING

0 1/2 1

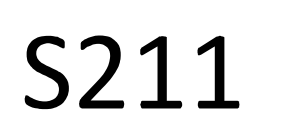
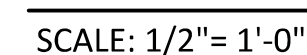
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.



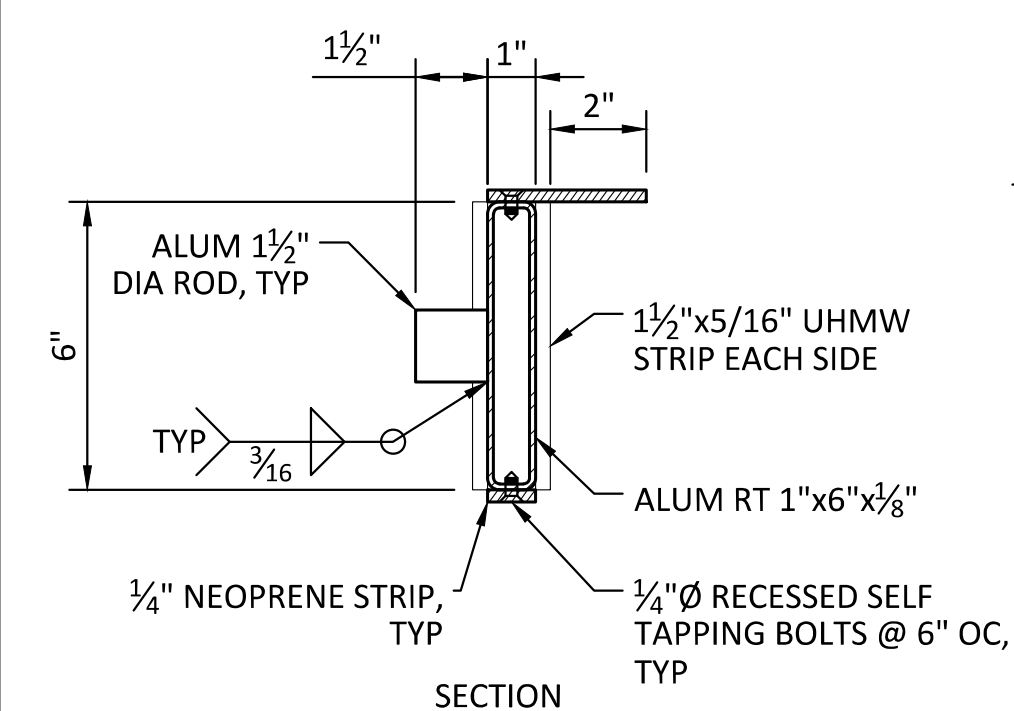
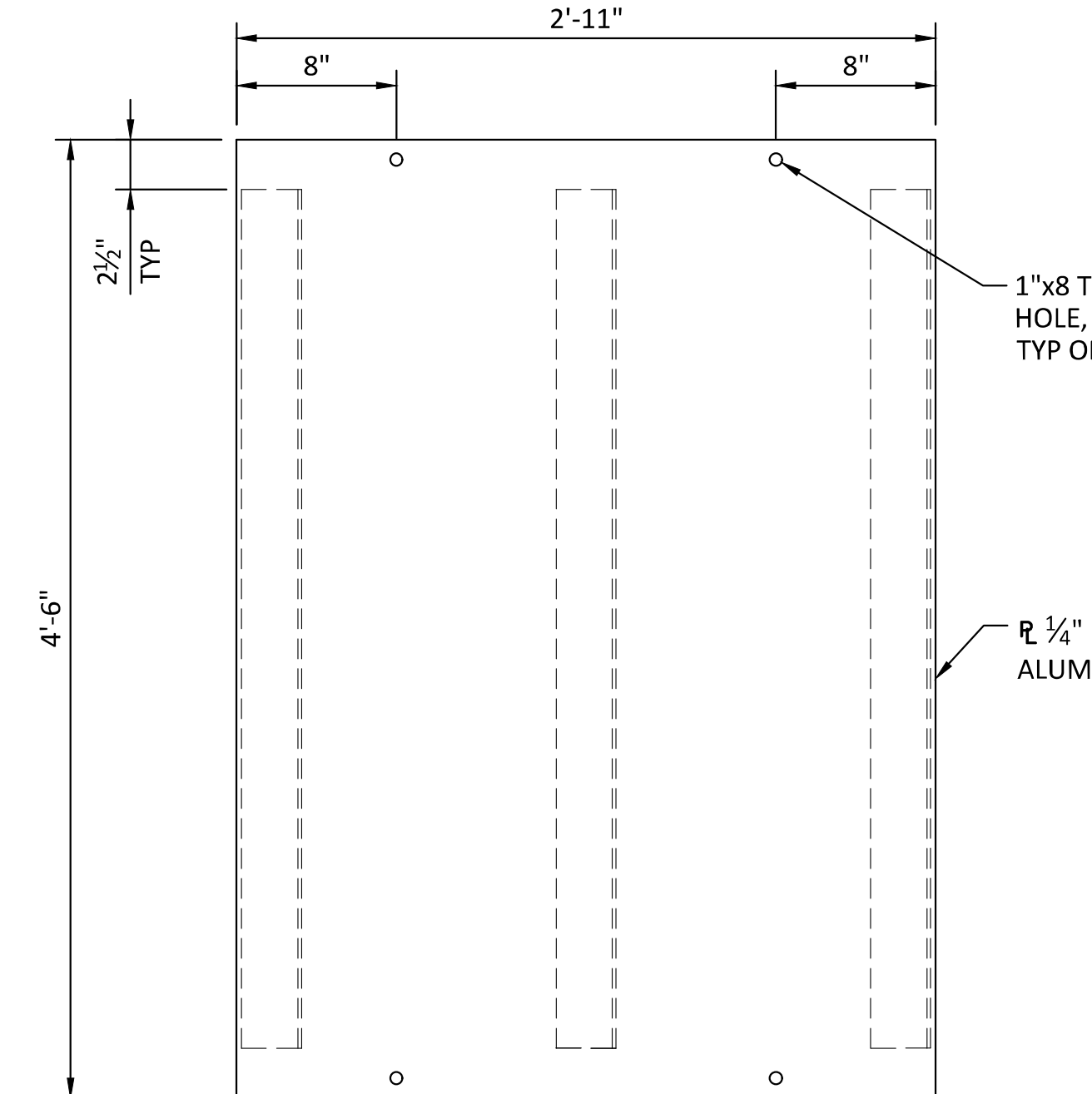
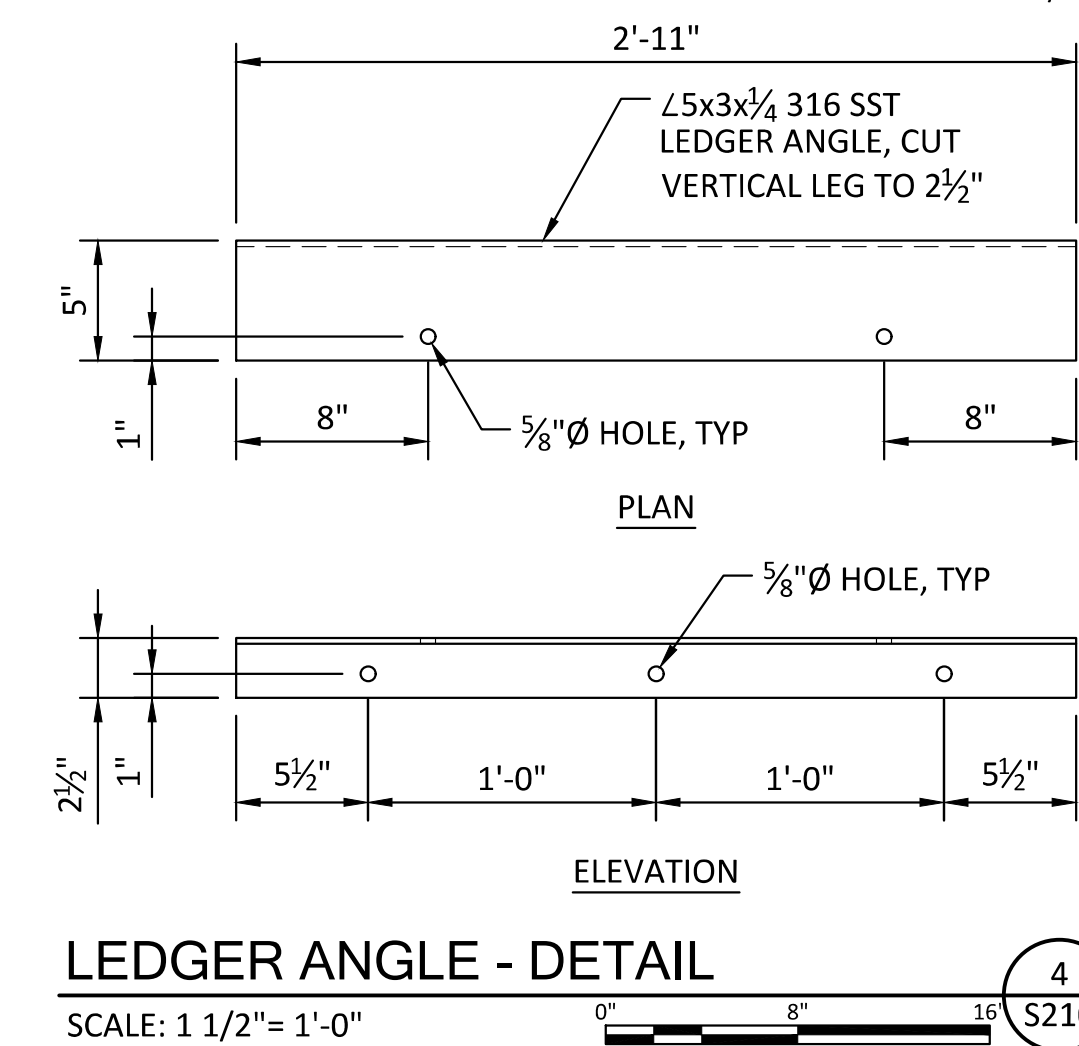
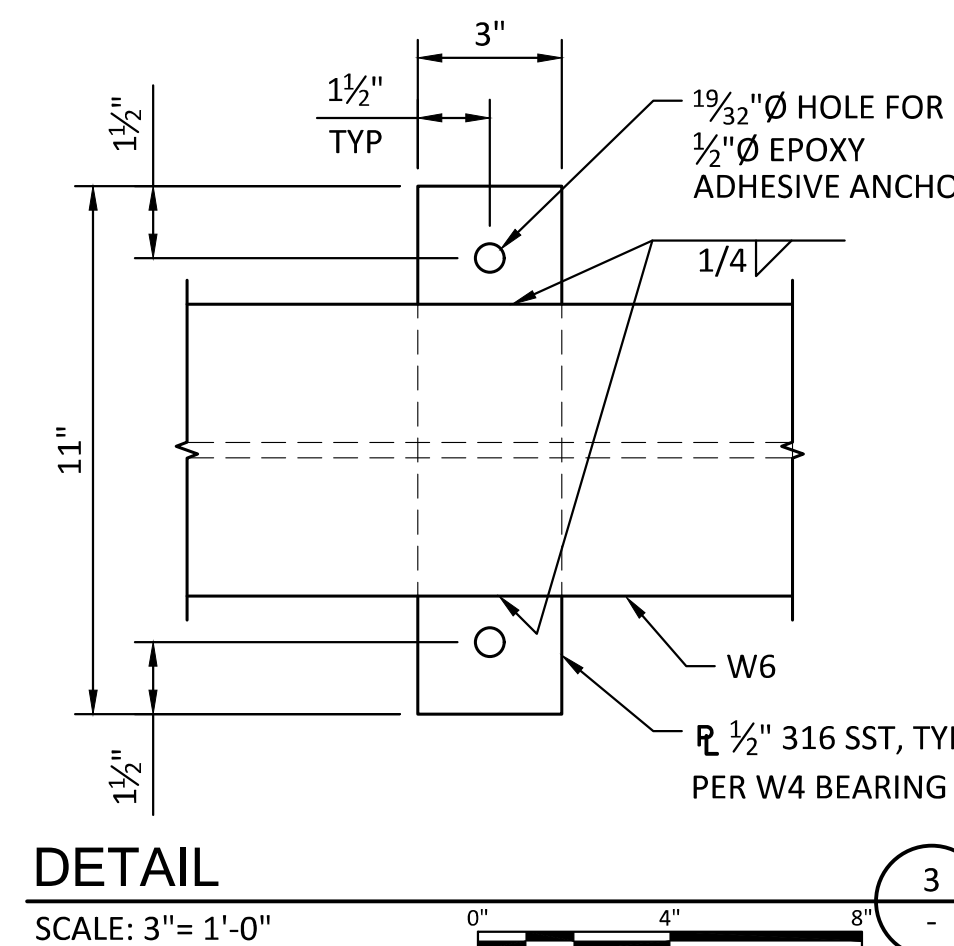
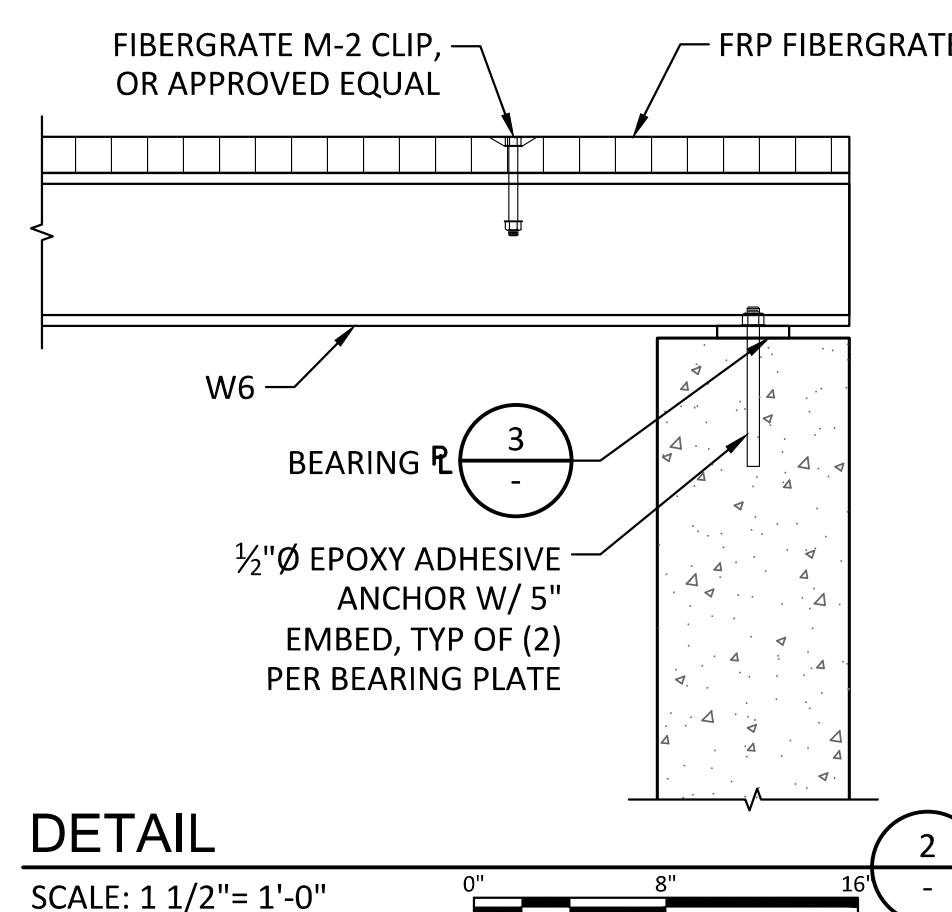
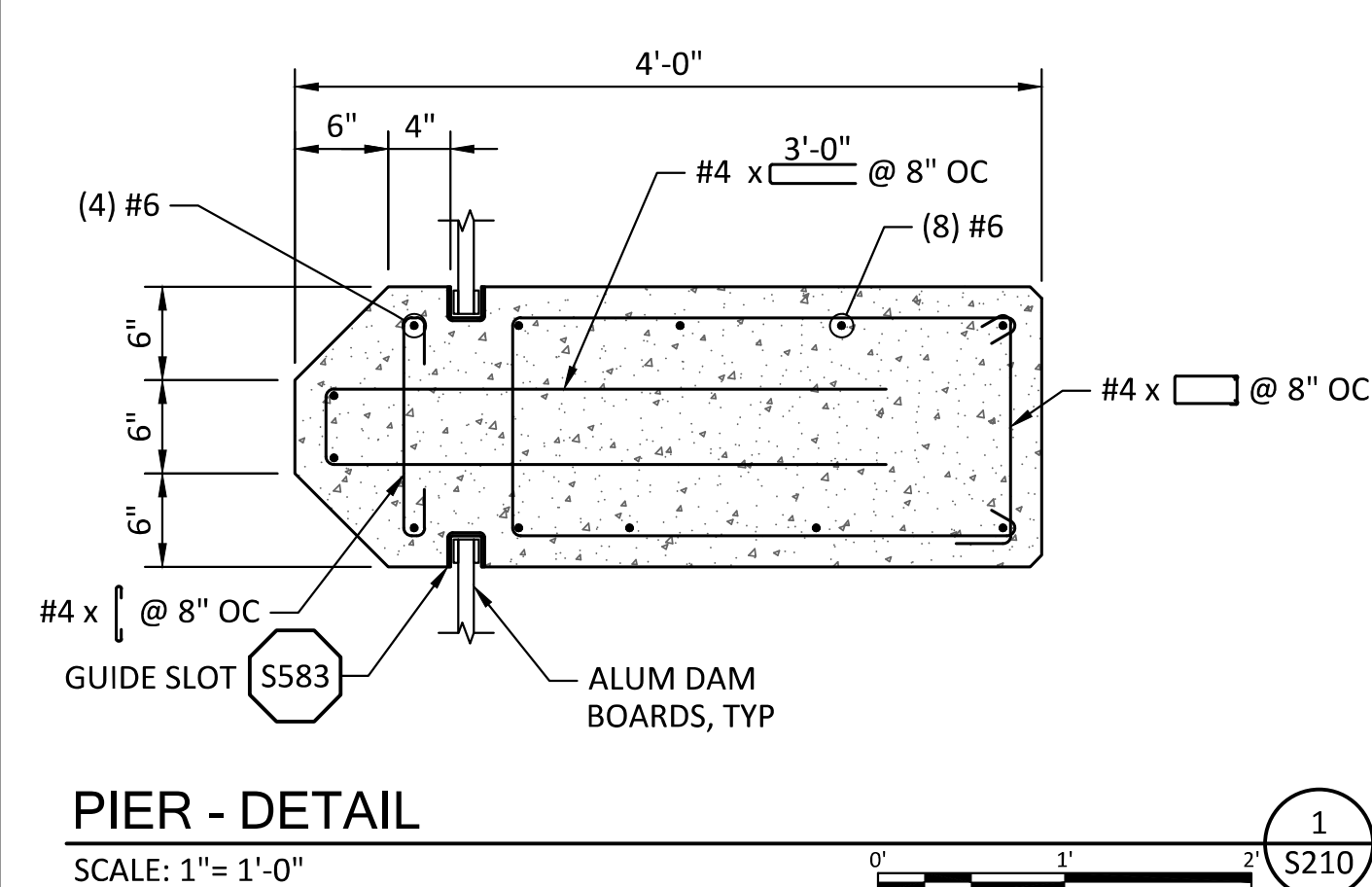
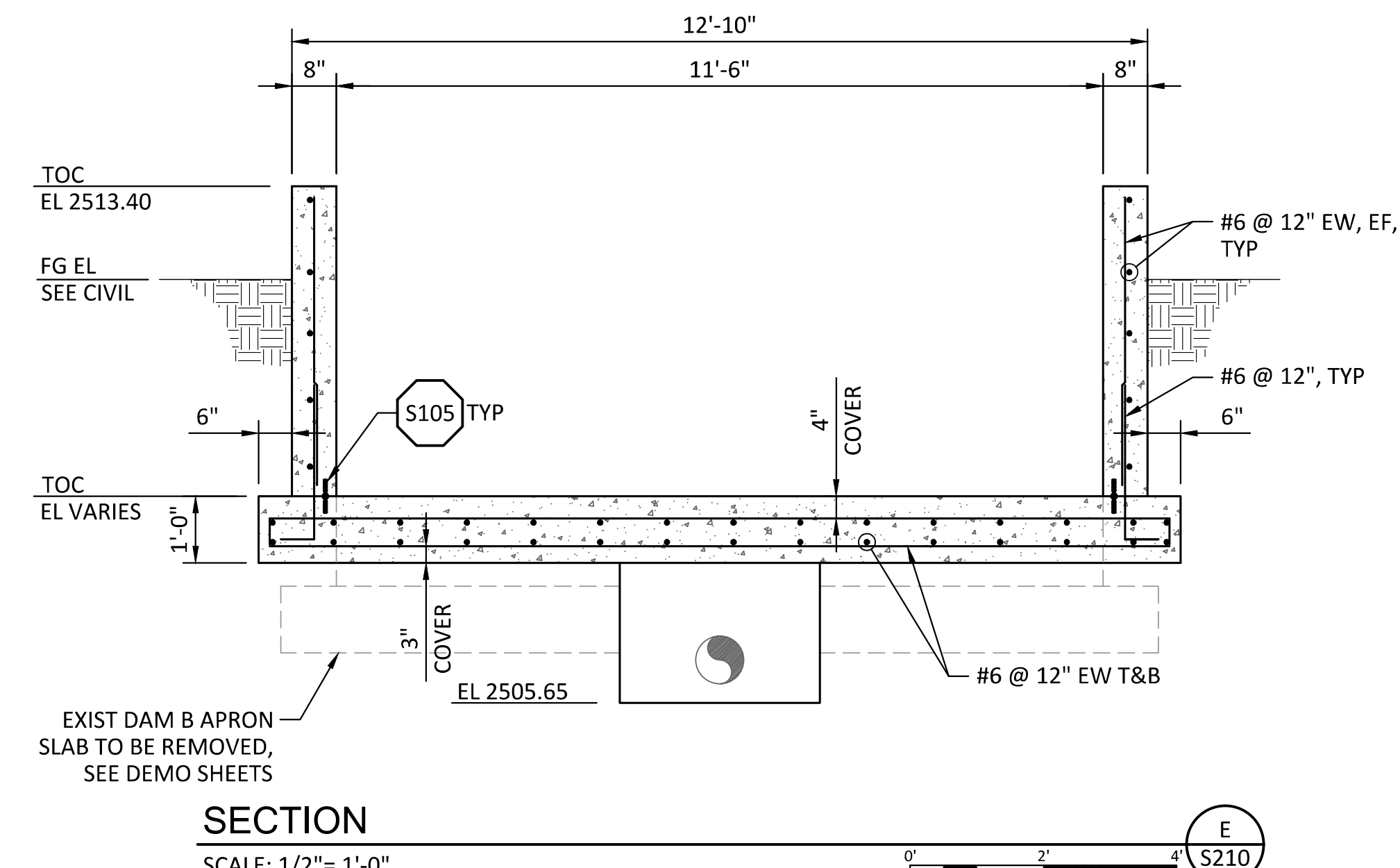
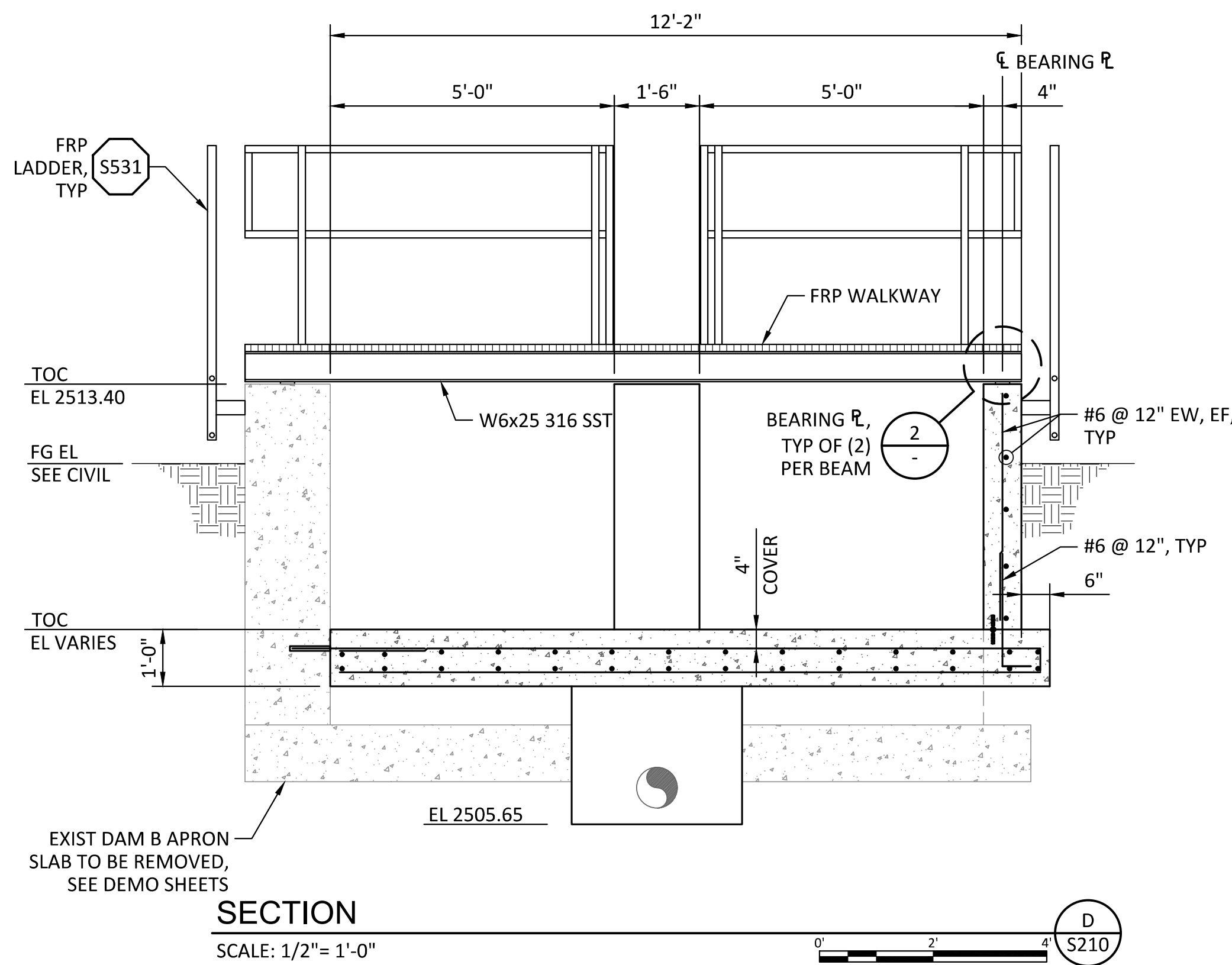
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|-----------------------------------|--|------------------------------|----------------------------|
| KLAMATH RIVER RENEWAL CORPORATION | | DESIGNED <u>Z. AUTIN</u> | DRAWING S210 |
| FALL CREEK FISH HATCHERY | | DRAWN <u>R. GUERRERO</u> | |
| DAM B MODIFICATIONS PLAN | | CHECKED <u>T. BOWEN</u> | |
| | | PROJECT DATE <u>10/28/20</u> | |



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

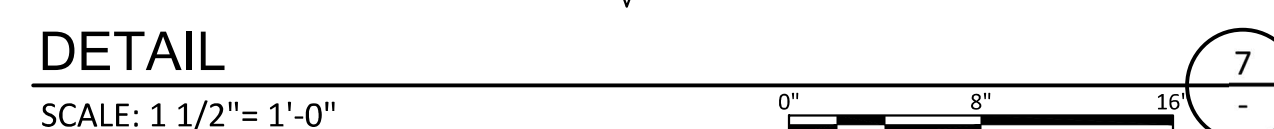
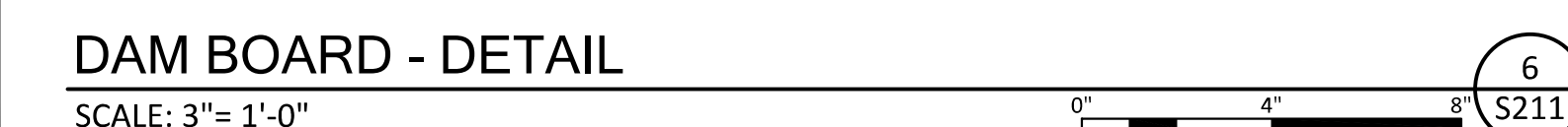
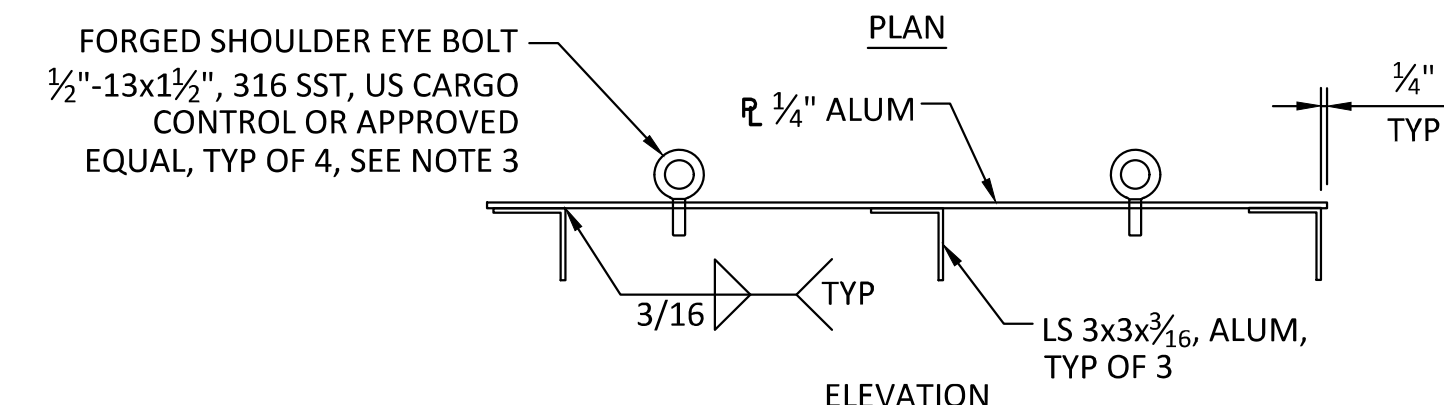
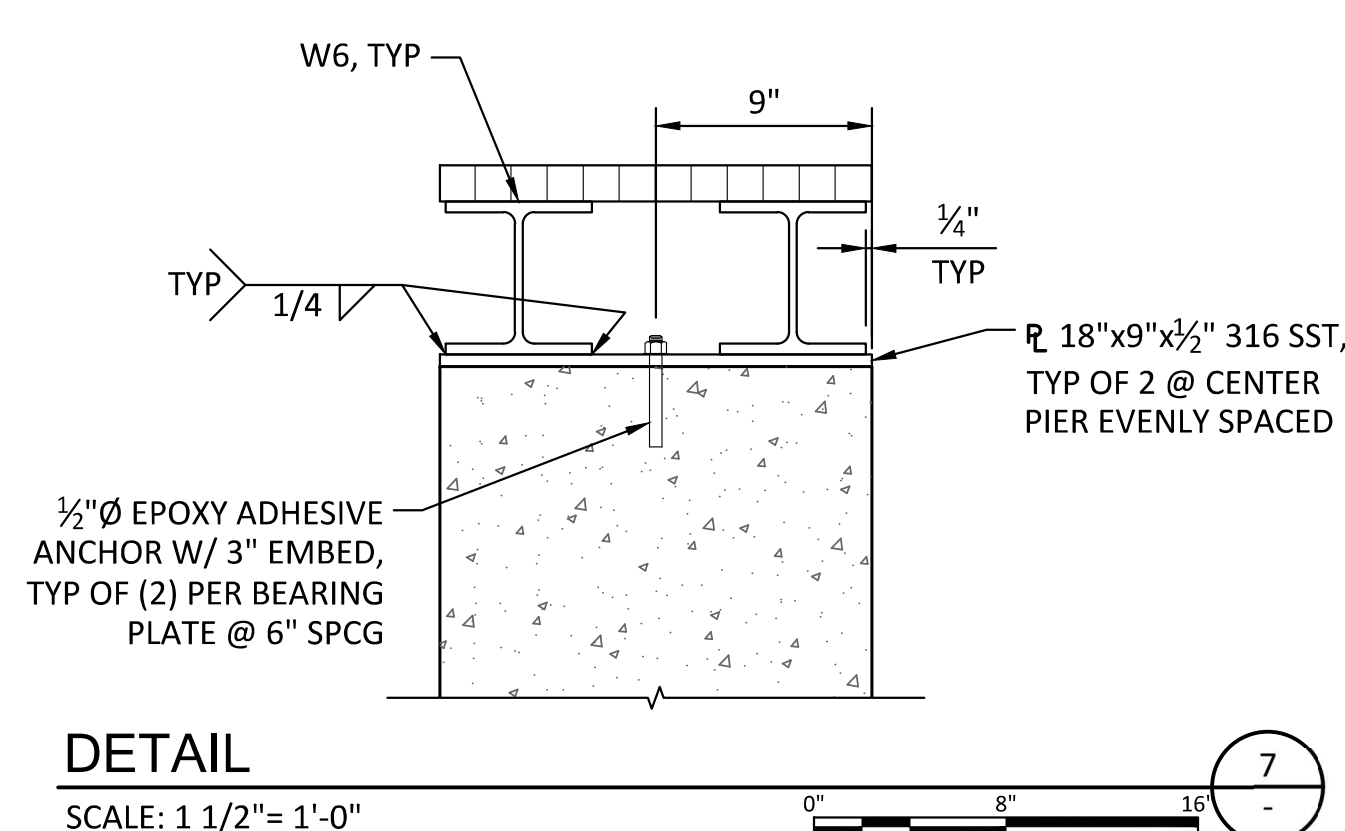


1. WHERE NOTED, POST-INSTALLED (EPOXY) REINFORCING STEEL DOWELS SHALL BE DISPLACED IF NEEDED TO AVOID DAMAGING EXISTING WALL REINFORCING. IN NO CASE SHALL THE FINAL BAR SPACING EXCEED 1.5 TIMES THE SPECIFIED SPACING.
2. 2" COVER, TYP.
3. NAPPE EXTENSION IS DESIGNED SUCH THAT IT IS INSTALLED PRIOR TO INSTALLATION OF DAM BOARDS, AND IT IS REMOVED AFTER REMOVAL OF DAM BOARDS.

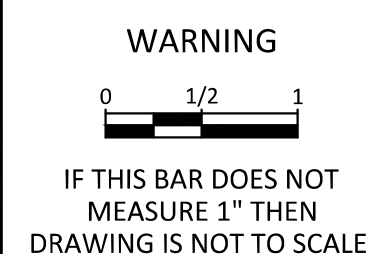
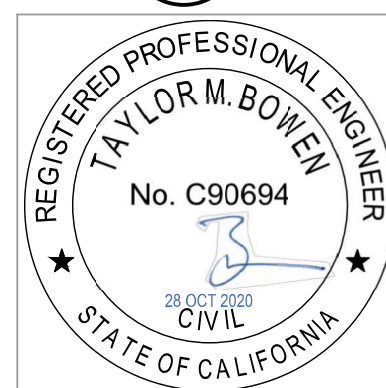


NOTES:

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

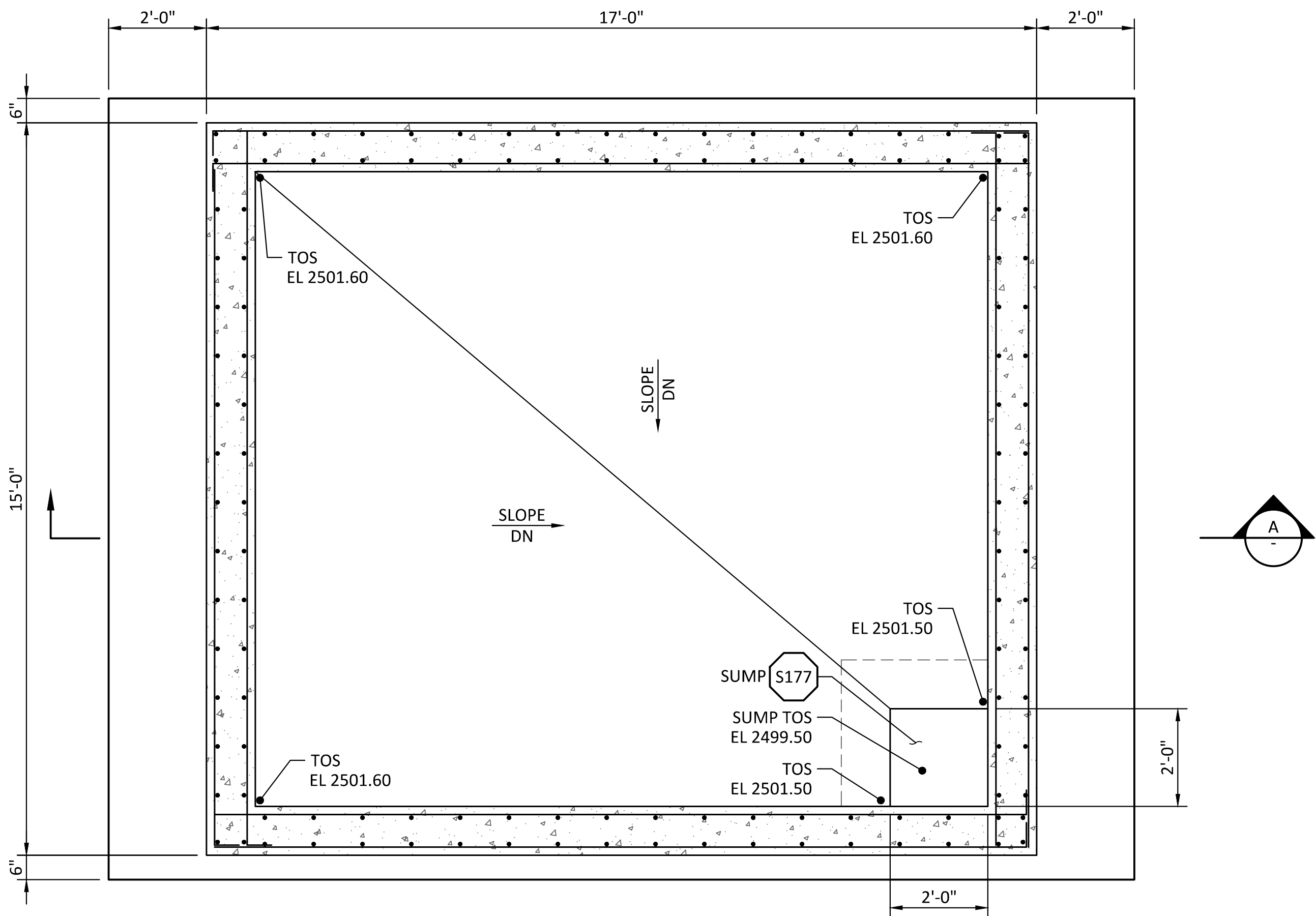


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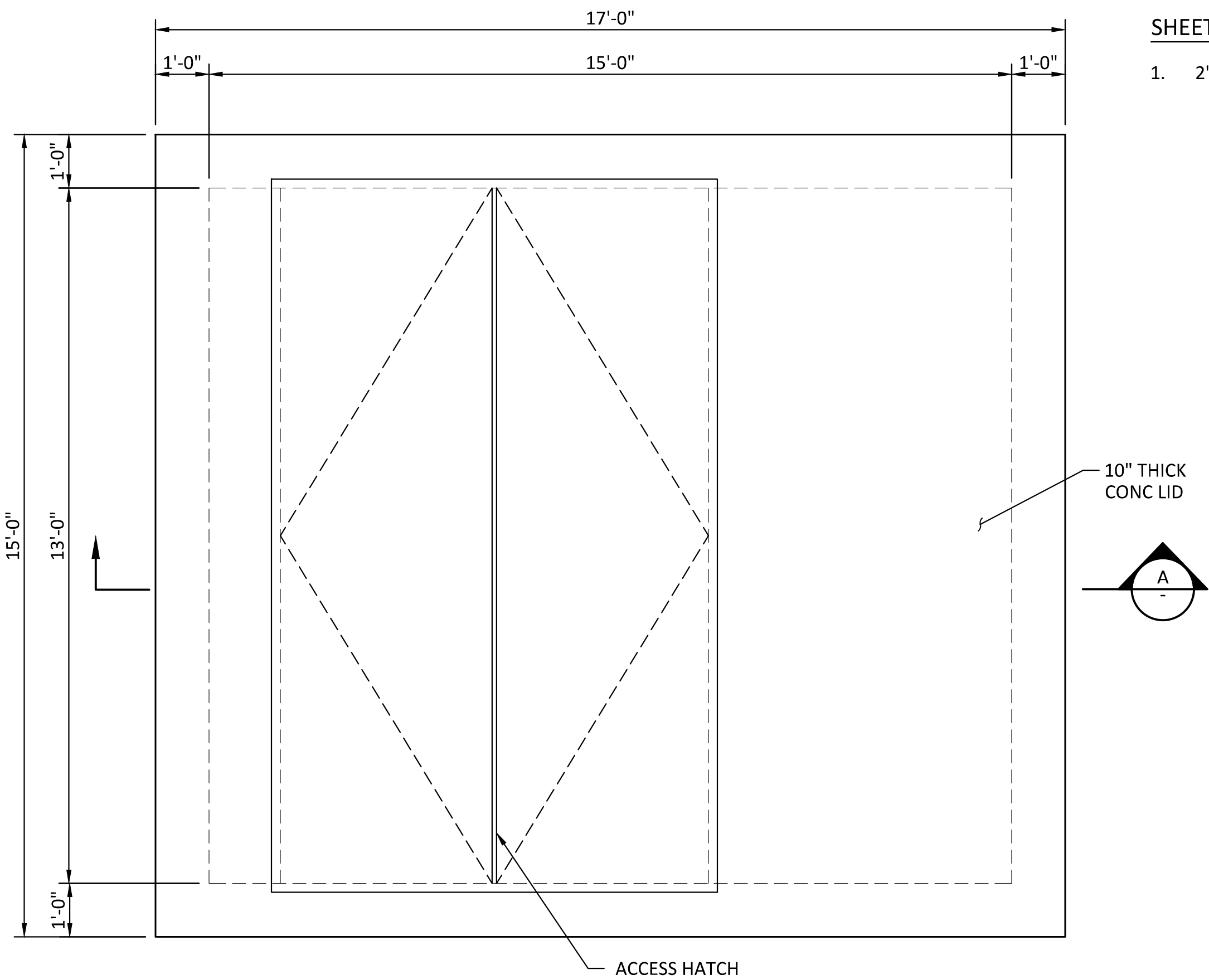


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| KLAMATH RIVER RENEWAL CORPORATION | DESIGNED <u>Z. AUTIN</u> | DRAWING S212 |
| FALL CREEK FISH HATCHERY | DRAWN <u>R. GUERRERO</u> | |
| DAM B MODIFICATIONS SECTIONS AND DETAILS | CHECKED <u>T. BOWEN</u> | |
| | PROJECT DATE <u>10/28/20</u> | |

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

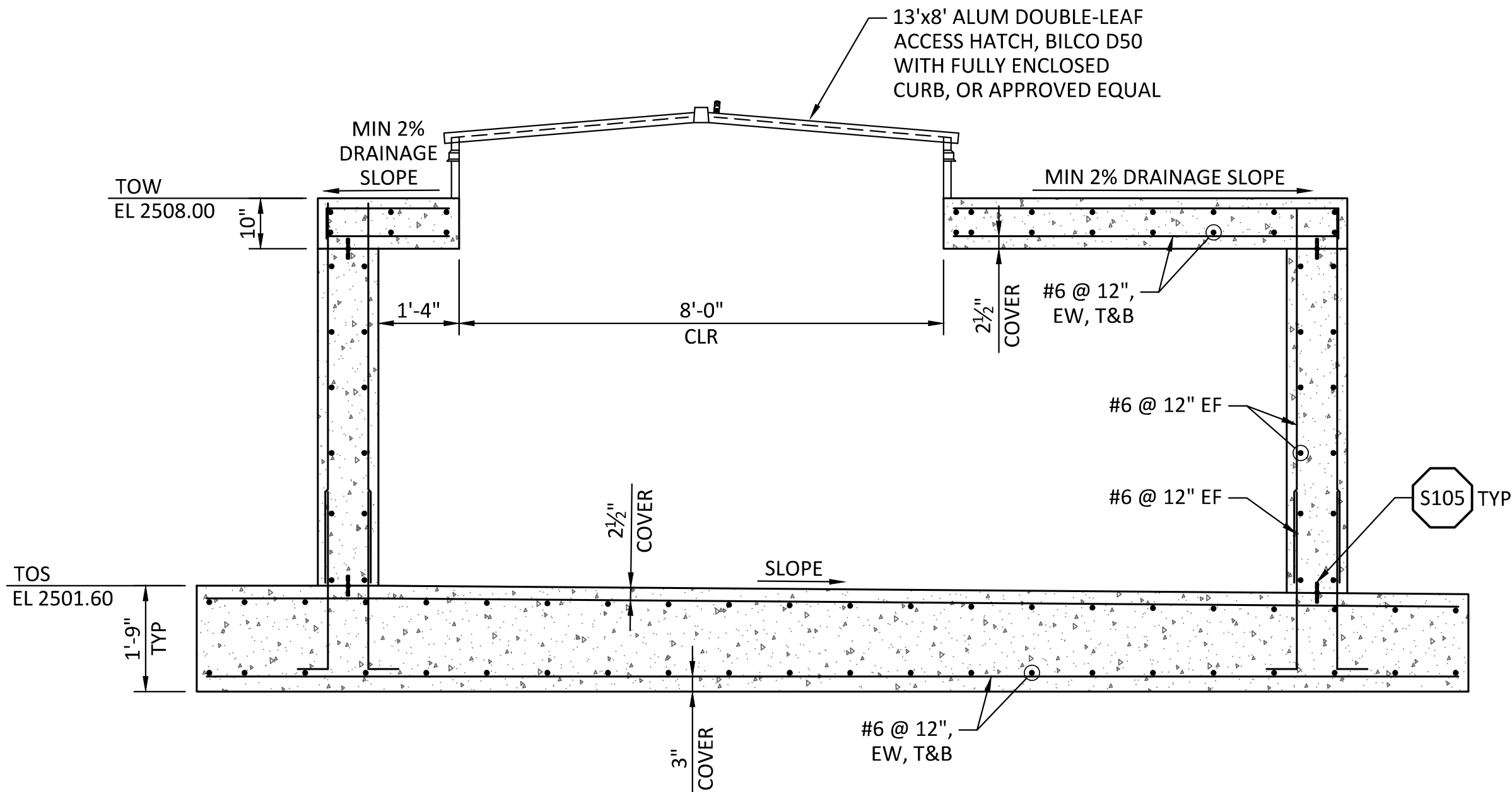


FOUNDATION PLAN
SCALE: 1/2"= 1'-0"



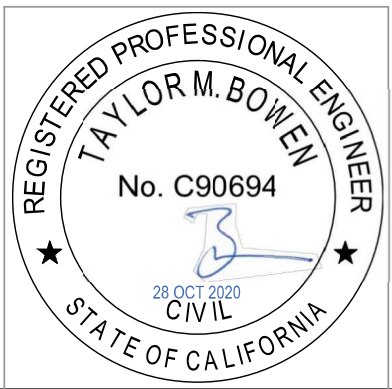
TOP PLAN
SCALE: 1/2"= 1'-0"

- SHEET NOTES:
- 2" COVER, TYP.



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

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WARNING

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



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| KLAMATH RIVER RENEWAL CORPORATION | | DESIGNED <u>Z. AUTIN</u> | DRAWING S215 |
| FALL CREEK FISH HATCHERY | | DRAWN <u>R. GUERRERO</u> | |
| METER VAULT PLANS AND SECTIONS | | CHECKED <u>T. BOWEN</u> | |
| | | PROJECT DATE <u>10/28/20</u> | |