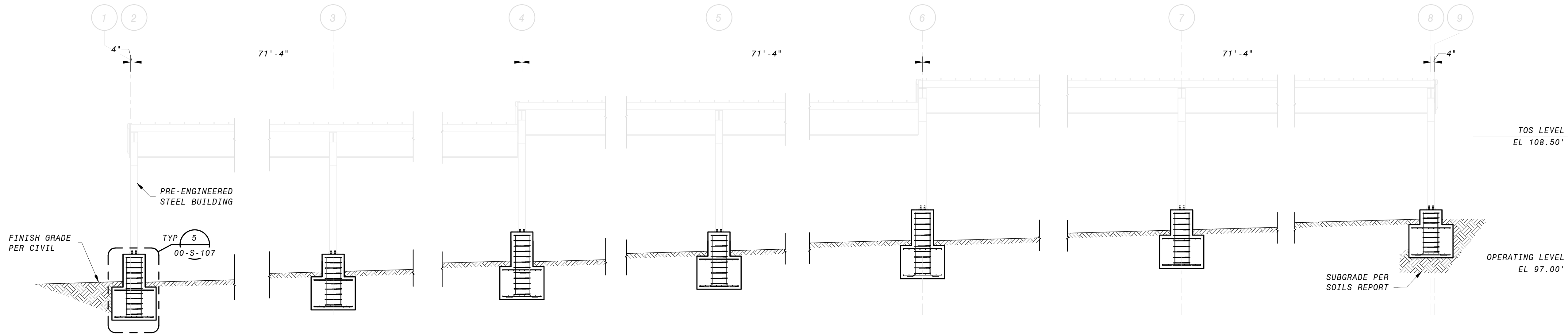
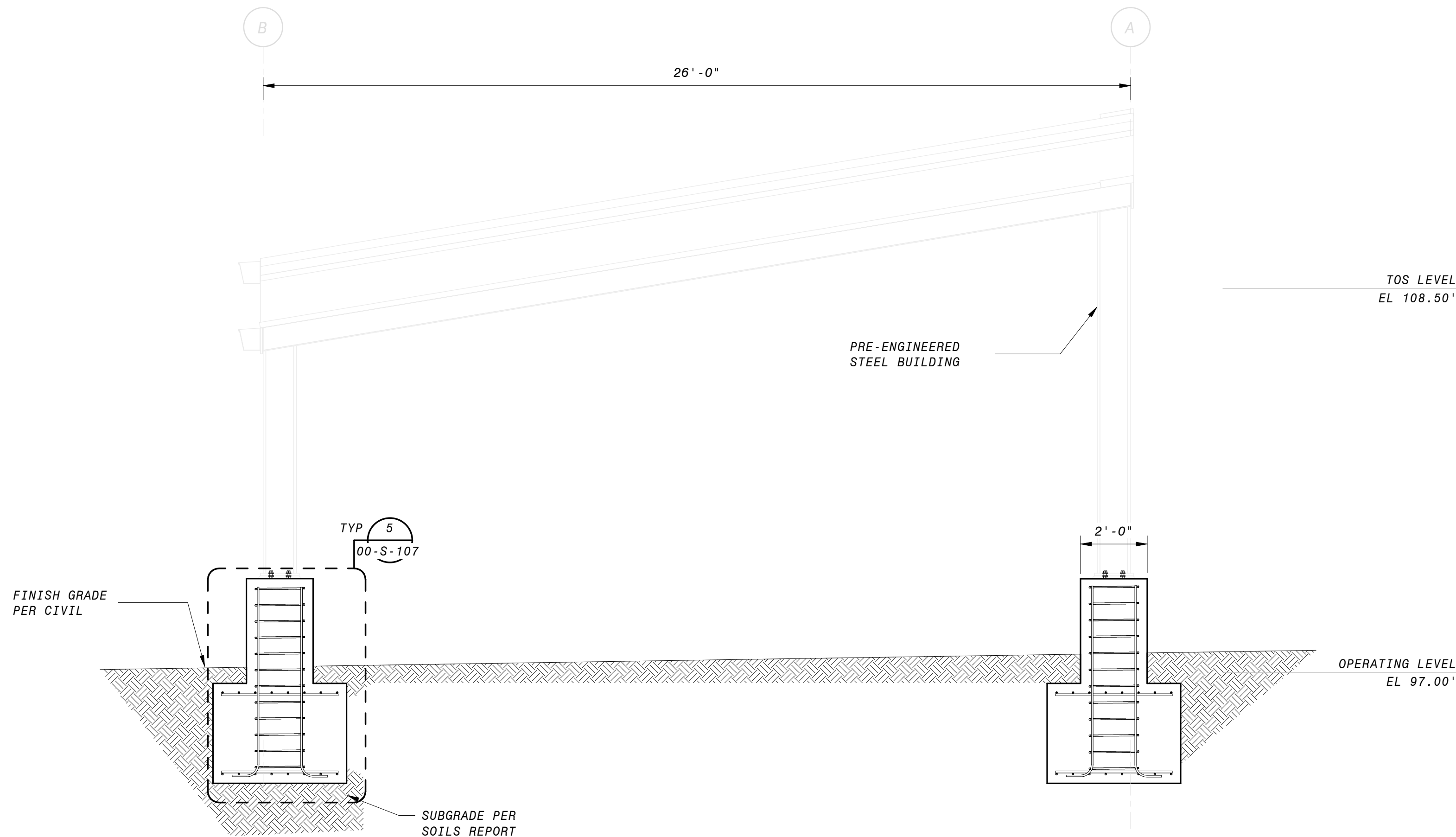


04/06/30
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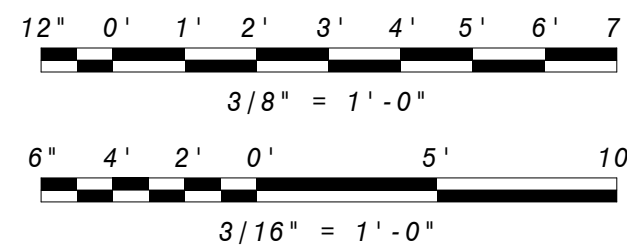


SECTION 1
17-S-101 3/16" = 1'-0"



SECTION 2
17-S-101 3/8" = 1'-0"

- GENERAL SECTION NOTES**
1. FOR GENERAL STRUCTURAL NOTES, SEE SHEETS 00-S-002 AND STANDARD SPECIFICATIONS.
 2. REINFORCEMENT CLEAR COVER TO BE 3" TYP., UNO
 3. ALL LAP SPLICES TO BE CLASS B PER DETAIL 1/00-S-101.



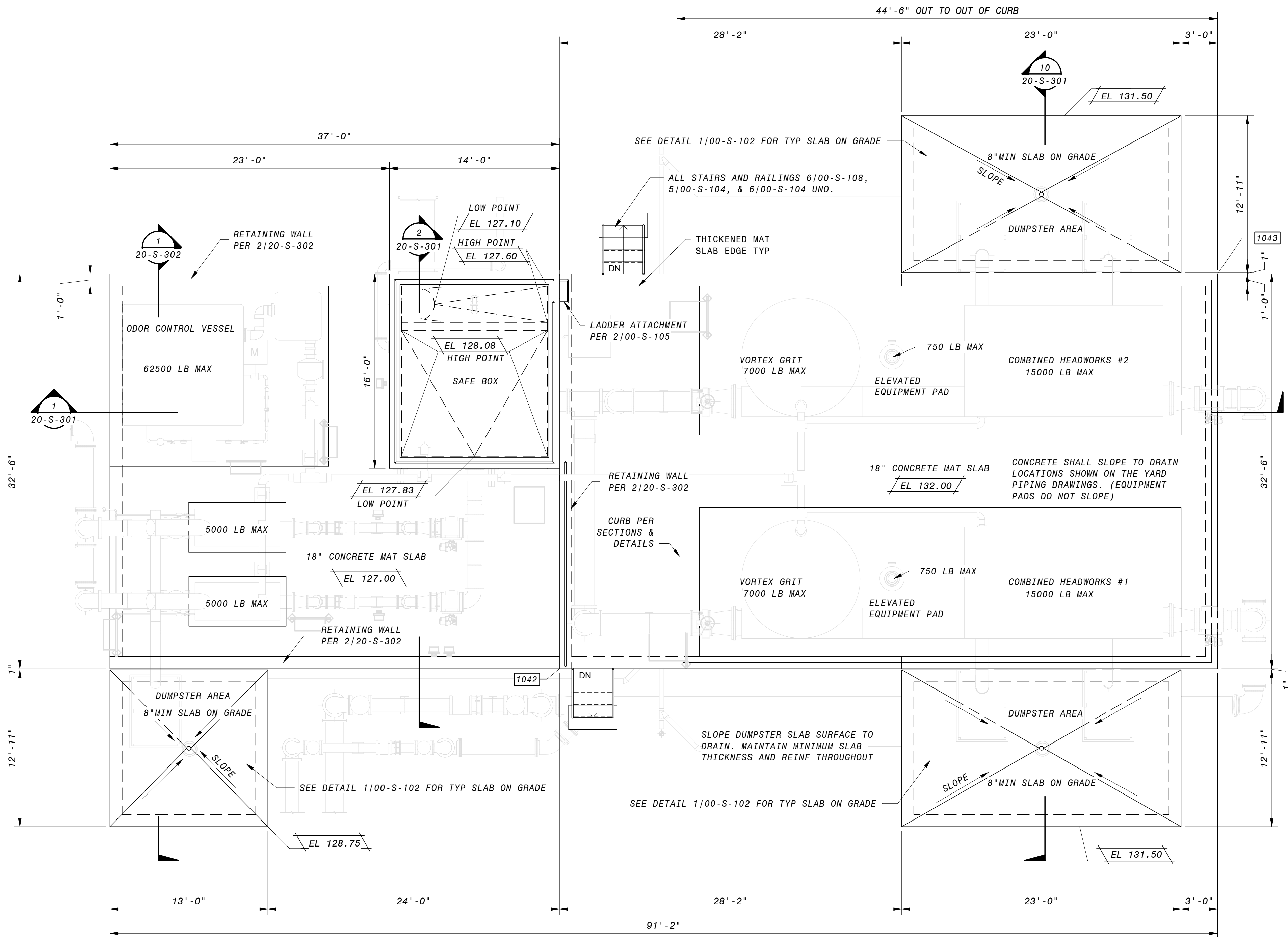
DESIGNED: C. TAYLOR	
DETAILED: S. BENJAMIN	
CHECKED: I. SHOEBRIDGE	
APPROVED: C. ASHLEY	
DATE: 5/19/2020	
0 1/2 1	
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE	
PROJECT NO. 400530	
17-S-301	
SHEET 176 OF 412	

5/19/2020	ISSUED FOR CONSTRUCTION	NO. BY	CHK APP
DATE	REVISONS AND RECORD OF USE	0	

Ashley & Vance ENGINEERING, INC.	JOINT VENTURE	BLACK & VEATCH

CITY OF MORRO BAY MORRO BAY WATER RECLAMATION FACILITY (WRF)
OUTDOOR STORAGE AREA STRUCTURAL SECTION

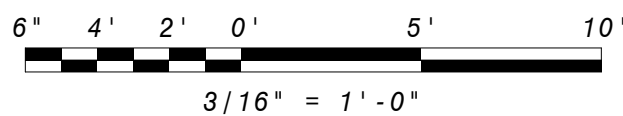
400530
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OPERATING FLOOR PLAN
3/16" = 1'-0"

GENERAL NOTES

1. PLEASE SEE SOILS REPORT FOR ADDITIONAL SPECIFICATIONS AND RECOMMENDATIONS. IT IS THE DESIGN-BUILDER'S RESPONSIBILITY TO OBTAIN A COPY OF THE SOILS REPORT FROM THE OWNER OR OWNERS REPRESENTATIVE.
2. NOT USED
3. FOR GENERAL STRUCTURAL NOTES, SEE SHEETS 00-S-002 AND STANDARD SPECIFICATIONS.
4. VERIFY ALL DIMENSIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
5. SEE DETAIL 2/00-S-102 FOR TYP MAT SLAB ON GRADE.
6. ALL LAP SPLICES TO BE CLASS B PER DETAIL 1/00-S-101
7. SUBMIT EQUIPMENT WEIGHT FOR REVIEW PRIOR TO INSTALLATION. SEE DETAIL 1/00-S-105 FOR TYPICAL INTERIOR EQUIPMENT PADS AND DETAIL 10/00-S-105 FOR TYPICAL EXTERIOR EQUIPMENT PADS. LOCATION AND SIZE OF EQUIPMENT PADS TO BE COORDINATED WITH MECHANICAL/ELECTRICAL/PLUMBING DRAWINGS. EQUIPMENT ANCHORAGE PER PROJECT SPECIFICATIONS.
8. REFER TO MECHANICAL/ELECTRICAL/PLUMBING DRAWINGS FOR SIZE AND LOCATIONS OF PIPE PENETRATIONS AND WALL OPENINGS. SEE DETAIL 9/00-S-101 FOR TYPICAL REINFORCEMENT REQUIREMENTS. COORDINATE PIPE PENETRATION SEAL WITH MECHANICAL ENGINEER OF RECORD.
9. FOR TYPICAL MAT SLAB EDGE, REFER TO DETAIL 13/00-S-102.



CITY OF MORRO BAY
FILANC BLACK & VEATCH DB PROPOSAL
RECLAMATION FACILITY (WRF)

HEADWORKS AREA
STRUCTURAL
PLAN

DESIGNED: M. MARSH
DETAILED: S. BENJAMIN
CHECKED: I. SHOEBRIDGE
APPROVED: C. ASHLEY
DATE: 5/19/2020

0 1/2 1
IF THIS BAR DOES NOT
MEASURE 1\"/>

PROJECT NO.
400530

20-S-101
SHEET
178 OF 412

Ashley Vance
ENGINEERING, INC.

JOINT VENTURE

FILANC

BLACK & VEATCH



ISSUED FOR CONSTRUCTION
DATE
5/19/2020

NO.

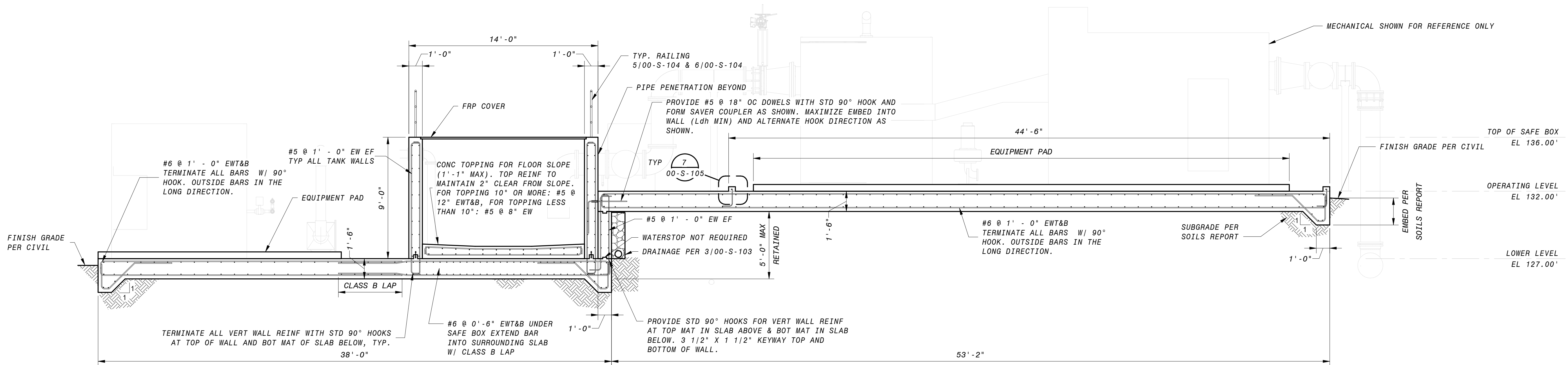
BY

REVISONS AND RECORD OF USE

CHK APP

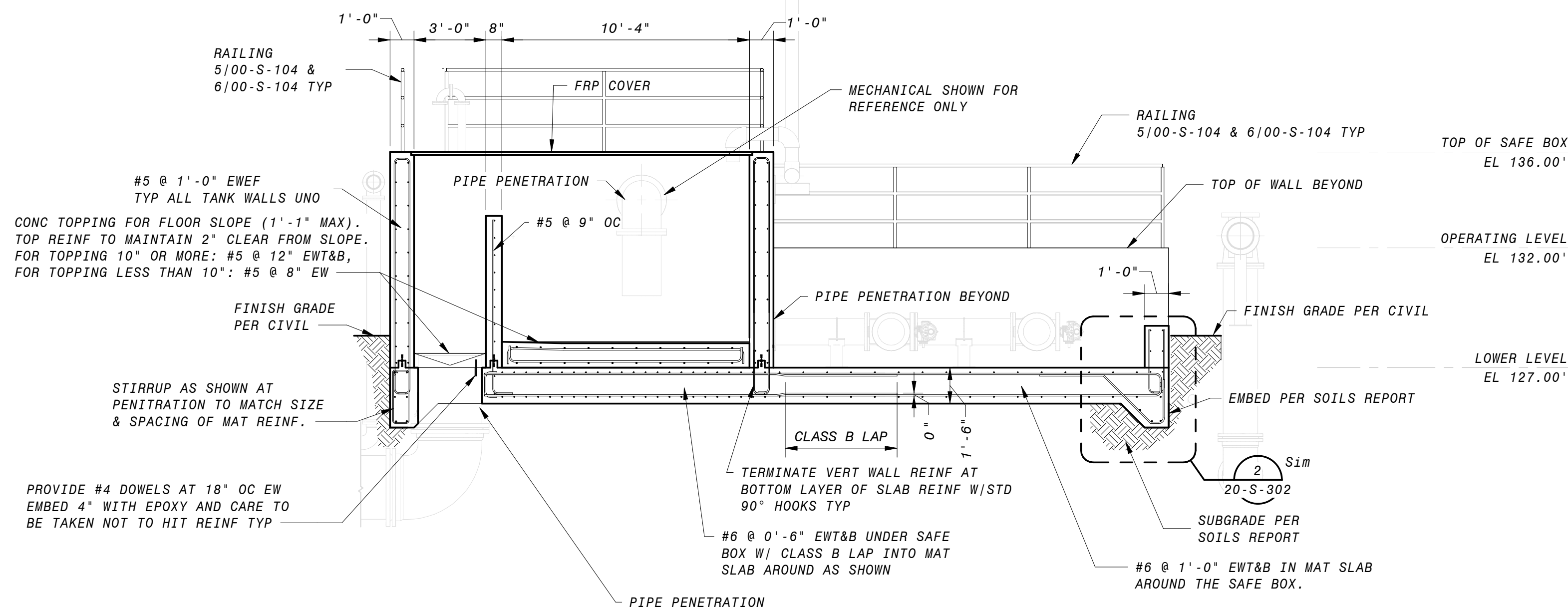
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D40530



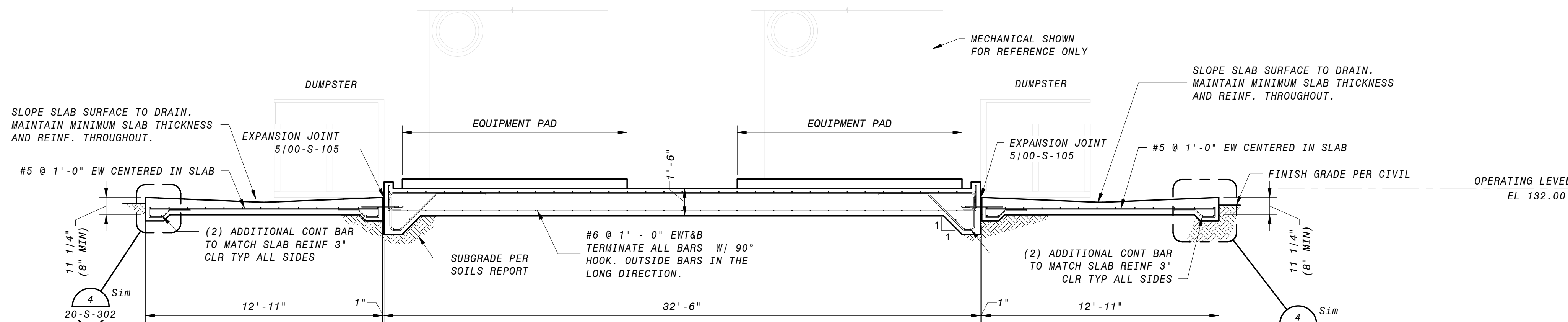
SECTION 1

20-S-101 1/4" = 1'-0"



SECTION 2

20-S-101 1/4" = 1'-0"

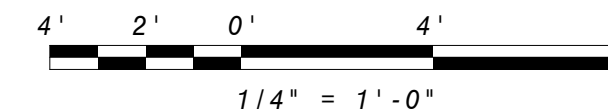


SECTION 10

20-S-101 1/4" = 1'-0"

GENERAL SECTION NOTES

- FOR GENERAL STRUCTURAL NOTES, SEE SHEETS 00-S-002 AND STANDARD SPECIFICATIONS.
- AT WALLS 12" THICK OR LESS, PROVIDE A 6" WATERSTOP, UNO. AT WALLS GREATER THAN 12" THICK, PROVIDE A 9" WATERSTOP, UNO. REFER TO DETAIL 2 ON SHEET 00-S-103.
- REINFORCEMENT CLEAR COVER TO BE 2" EF FOR WALLS, 2" AT TOP OF SLABS, AND 3" AT BOTTOM OF SLABS, TYP., UNO.
- FURNISH FRP ODOR CONTROL COVER DESIGNED FOR OUTDOOR INSTALLATION IN A COASTAL ENVIRONMENT. COVER SHALL BE DESIGNED WITH REMOVABLE PANELS TO BASIN ACCESS, WITH PANELS WEIGHING NO MORE THAN 100 LBS EACH. HANDLES AND PICK POINTS SHALL BE INCLUDED AS REQUIRED. PANELS SHALL BE DESIGNED FOR TWO OPERATORS TO BE STANDING ON THE COVER REMOVING A PANEL, 60 PSF UNIFORM DISTRIBUTED LIVE LOAD, AND LESSER OF L/120 OR 3/8" DEFLECTION. COLOR SHALL BE SELECTED IN SUBMITTAL REVIEW FROM MANUFACTURER STANDARD COLOR SELECTIONS.
- ALL LAP SPLICES TO BE CLASS B PER DETAIL 1/00-S-101.
- REFER TO MECHANICAL DRAWINGS FOR SIZE AND LOCATIONS OF PIPE PENETRATIONS AND WALL OPENINGS. SEE DETAIL 9/00-S-101 FOR TYPICAL REINFORCEMENT REQUIREMENTS. COORDINATE PIPE PENETRATION SEAL WITH EOR (WHERE OCCURS).
- COORDINATE EQUIPMENT WEIGHT WITH EOR PRIOR TO INSTALLATION. SEE DETAIL 1/00-S-105 FOR TYPICAL EQUIPMENT ANCHORAGE AND EQUIPMENT PADS.
- FOR TYPICAL MAT SLAB EDGE, REFER TO DETAIL 13/00-S-102.
- WALL DRAINAGE SHOWN FOR ILLUSTRATIVE PURPOSES ONLY. SEE TYPICAL DETAILS FOR MORE INFORMATION.



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	DATE		REVISED AND RECORD OF USE	

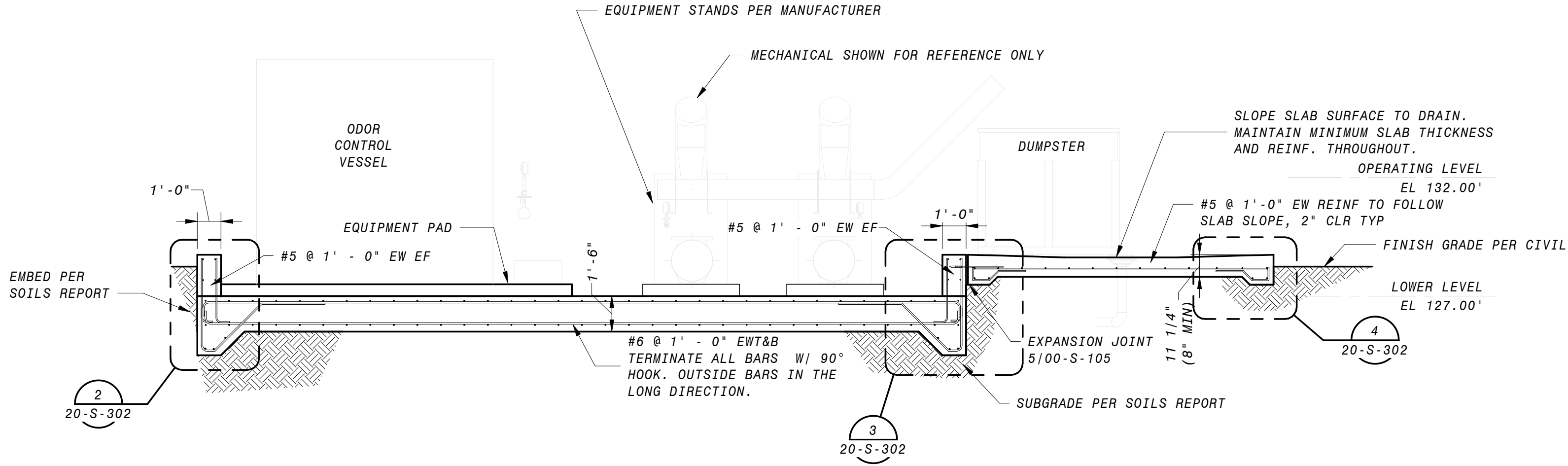


CITY OF MORRO BAY
FILANC BLACK & VEATCH DB PROPOSAL
RECLAMATION FACILITY (WRF)
HEADWORKS AREA
STRUCTURAL
SECTIONS

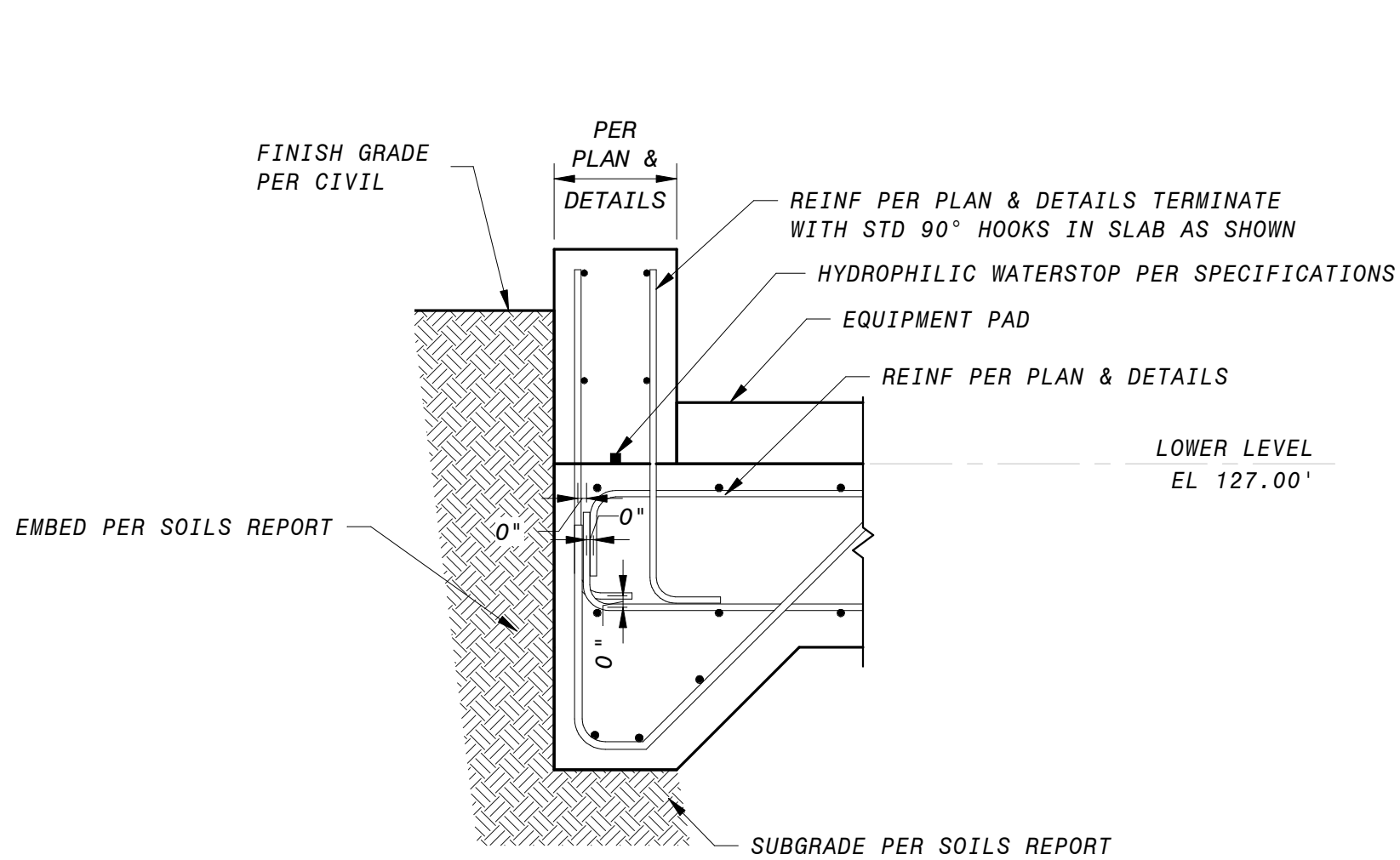
DESIGNED: M. MARSH
DETAILED: S. BENJAMIN
CHECKED: I. SHOEBRIDGE
APPROVED: C. ASHLEY
DATE: 5/19/2020

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

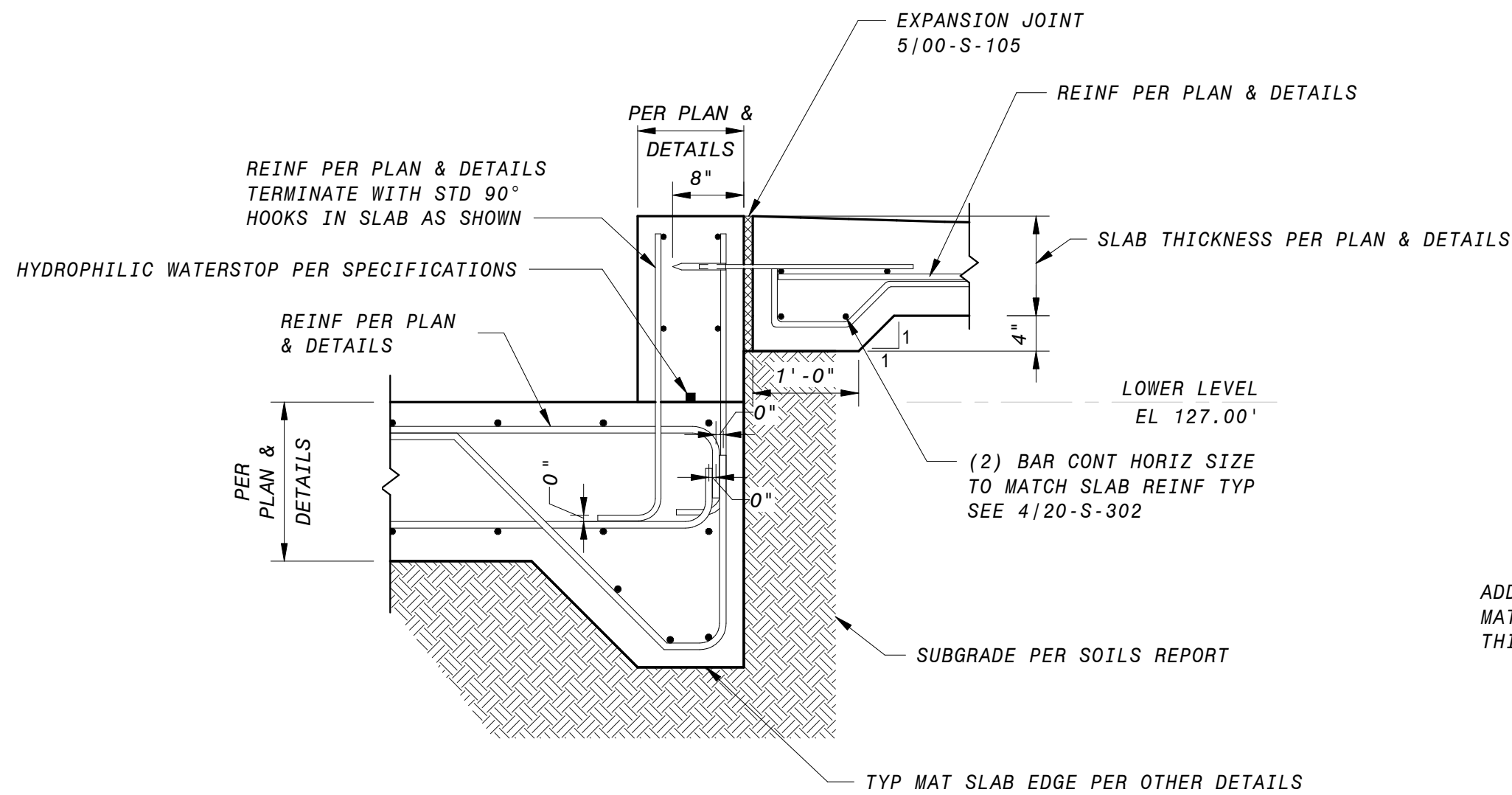
PROJECT NO.
400530
20-S-301
SHEET
179 OF 412



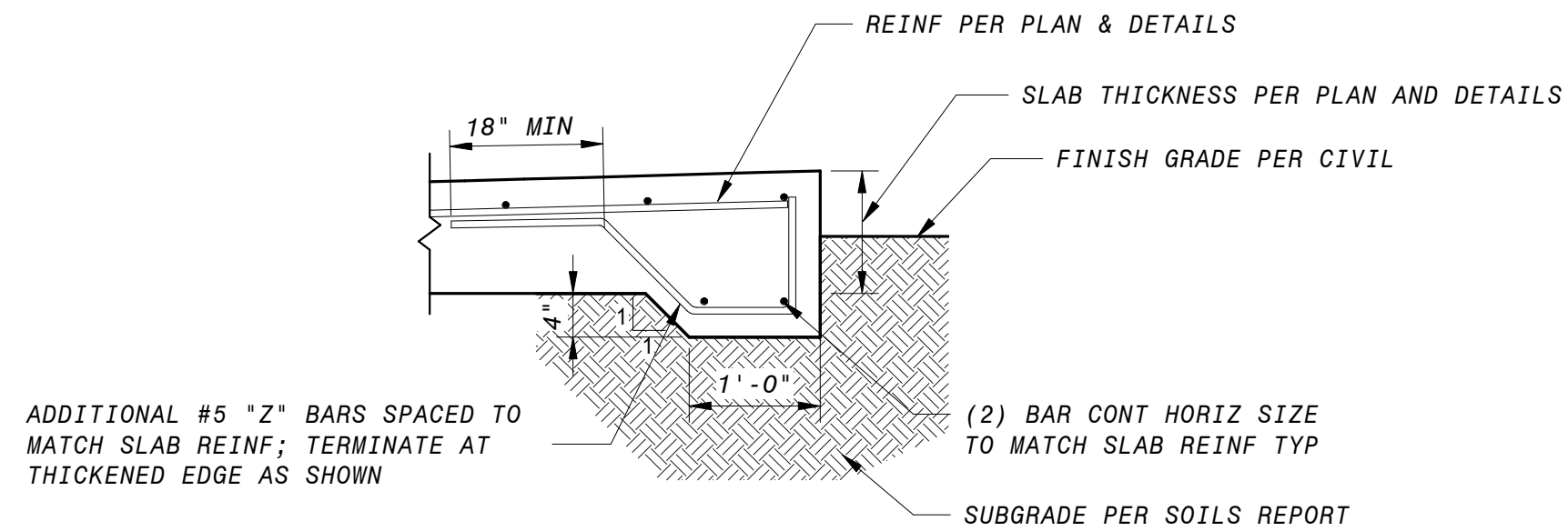
1 SECTION
20-S-101 1/4" = 1'-0"



2 RETAINING WALL AT SLAB EDGE - A
20-S-301 3/4" = 1'-0"



3 RETAINING WALL AT SLAB EDGE - B
20-S-302 3/4" = 1'-0"



4 TYPICAL DUMPSTER SLAB EDGE
20-S-301 3/4" = 1'-0"

- GENERAL SECTION NOTES**
1. FOR GENERAL STRUCTURAL NOTES, SEE SHEETS 00-S-002 AND STANDARD SPECIFICATIONS.
 2. AT WALLS 12" THICK OR LESS, PROVIDE A 6" WATERSTOP, UNO. AT WALLS GREATER THAN 12" THICK, PROVIDE A 9" WATERSTOP, UNO. REFER TO DETAIL 2 ON SHEET 00-S-103.
 3. REINFORCEMENT CLEAR COVER TO BE 2" EF FOR WALLS, 2" AT TOP OF SLABS, AND 3" AT BOTTOM OF SLABS, TYP., UNO.
 4. ALL LAP SPLICES TO BE CLASS B PER DETAIL 1/00-S-101.
 5. REFER TO MECHANICAL DRAWINGS FOR SIZE AND LOCATIONS OF PIPE PENETRATIONS AND WALL OPENINGS. SEE DETAIL 9/00-S-101 FOR TYPICAL REINFORCEMENT REQUIREMENTS. COORDINATE PIPE PENETRATION SEAL WITH EOR (WHERE OCCURS).
 6. COORDINATE EQUIPMENT WEIGHT WITH EOR PRIOR TO INSTALLATION. SEE DETAIL 1/00-S-105 FOR TYPICAL EQUIPMENT ANCHORAGE AND EQUIPMENT PADS.
 7. FOR TYPICAL MAT SLAB EDGE, REFER TO DETAIL 13/00-S-102

ISSUED FOR CONSTRUCTION	NO.	BY	CHK APP
5/19/2020	0		
DATE	REVISONS AND RECORD OF USE		



Ashley & Vance
ENGINEERING, INC.

JOINT VENTURE

FILANC
BLACK & VEATCH

CITY OF MORRO BAY
FILANC BLACK & VEATCH DB PROPOSAL
RECLAMATION FACILITY (WRF)

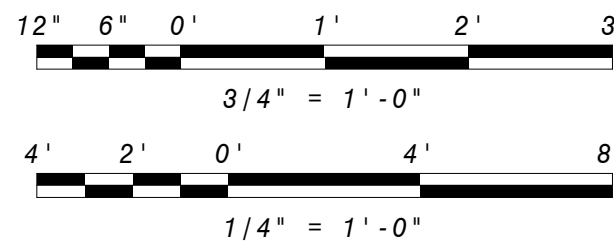
HEADWORKS AREA
STRUCTURAL
SECTIONS & DETAILS

DESIGNED: M. MARSH
DETAILED: S. BENJAMIN
CHECKED: I. SHOEBRIDGE
APPROVED: C. ASHLEY
DATE: 5/19/2020

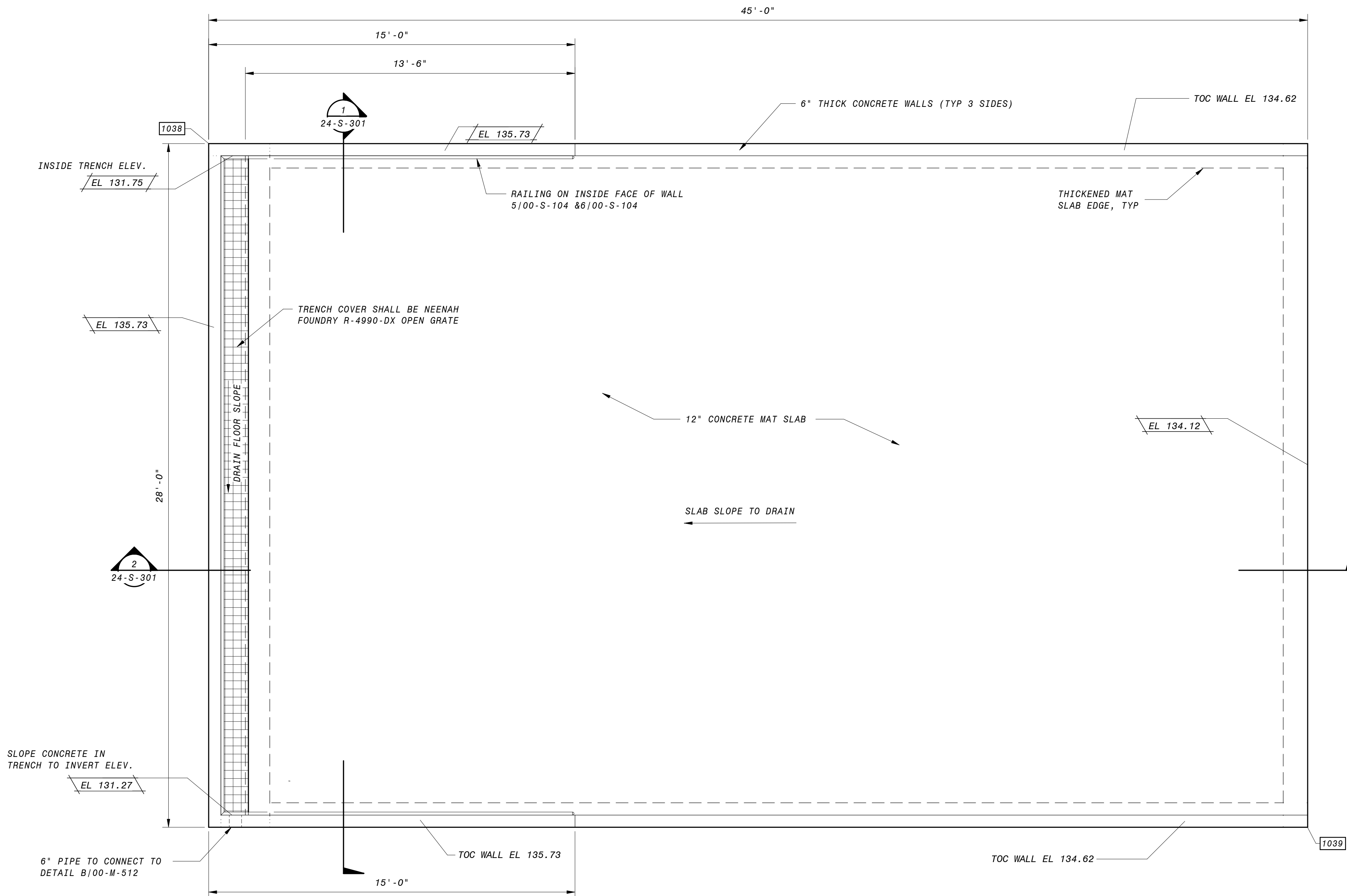
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IF THIS BAR DOES NOT
MEASURE 1" THEN DRAWING IS
NOT TO FULL SCALE

PROJECT NO.
400530

20-S-302
SHEET
180 OF 412

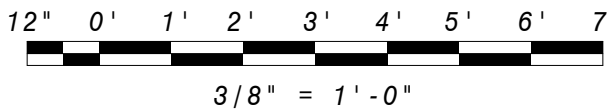


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GENERAL FOUNDATION NOTES

1. PLEASE SEE SOILS REPORT FOR ADDITIONAL SPECIFICATIONS AND RECOMMENDATIONS. IT IS THE DESIGN BUILDER'S RESPONSIBILITY TO OBTAIN A COPY OF THE SOILS REPORT FROM THE OWNER OR OWNERS REPRESENTATIVE.
2. RAILING SHALL BE SIDE-MOUNTED AS SHOWN AND INSTALLED WITH MECHANICAL ANCHORS ONLY AT THIS LOCATION.
3. FOR GENERAL STRUCTURAL NOTES, SEE SHEETS 00-S-002 AND STANDARD SPECIFICATIONS.
4. VERIFY ALL DIMENSIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
5. OUTSIDE LAYER OF MAT SLAB REINFORCEMENT TO BE PLACED IN THE SHORT DIRECTION. INSIDE LAYER OF MAT SLAB REINFORCEMENT TO BE PLACED IN THE LONG DIRECTION. TYPICAL, UNLESS NOTED OTHERWISE.
6. ALL LAP SPLICES TO BE CLASS B PER DETAIL 1/00-S-101
7. ALL SLAB REINFORCEMENT MUST TERMINATE WITH A STANDARD 90° HOOK PER DETAIL 5/00-S-101.
8. FOR TYPICAL MAT SLAB EDGE, REFER TO DETAIL 13/00-S-102.
9. REFER TO MECHANICAL/ ELECTRICAL/ PLUMBING DRAWINGS FOR SIZE AND LOCATIONS OF PIPE PENETRATIONS AND WALL OPENINGS. SEE DETAIL 9/00-S-101 FOR TYPICAL REINFORCEMENT REQUIREMENTS. COORDINATE PIPE PENETRATION SEAL WITH MECHANICAL ENGINEER OF RECORD.
10. SEE DETAIL 2/00-S-102 FOR TYP MAT SLAB ON GRADE.



DESIGNED: M. MARSH
DETAILED: S. BENJAMIN
CHECKED: I. SHOEBRIDGE
APPROVED: C. ASHLEY
DATE: 5/19/2020

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

PROJECT NO.
400530

24-S-101
SHEET
182 OF 412

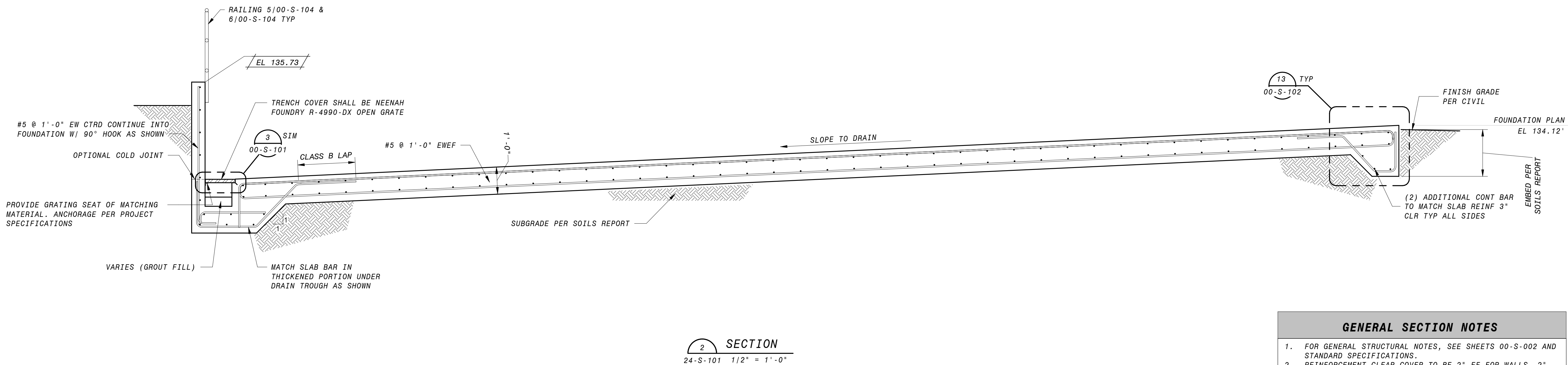
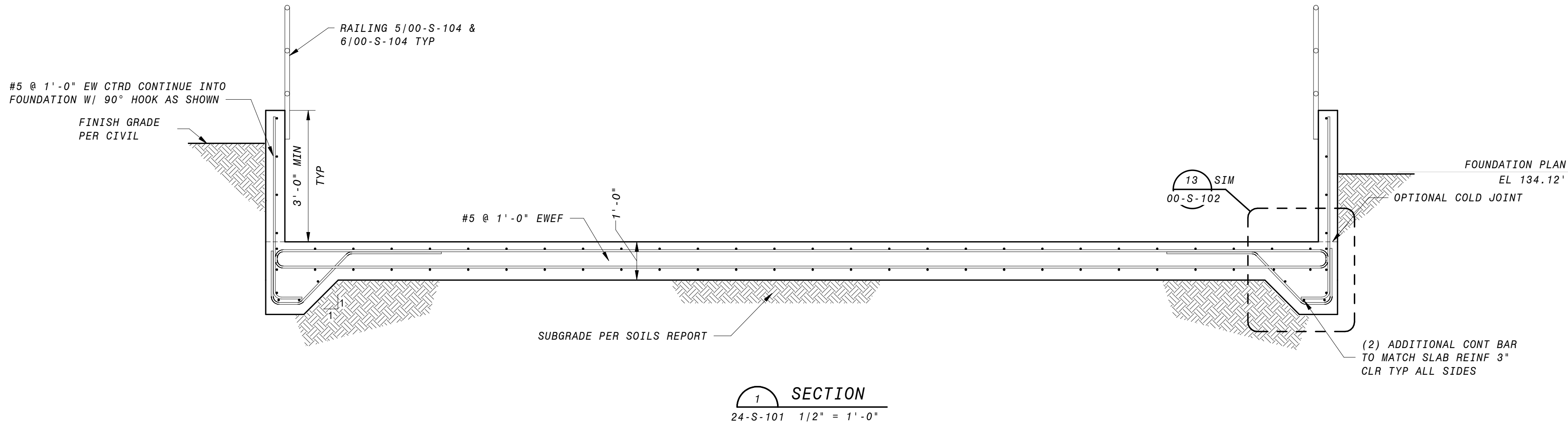
CITY OF MORRO BAY
FILANC BLACK & VEATCH DB PROPOSAL
RECLAMATION FACILITY (WRF)
VACTOR WASHDOWN AREA
STRUCTURAL
PLAN

Ashley & Vance
ENGINEERING, INC.
JOINT VENTURE
FILANC
BLACK & VEATCH



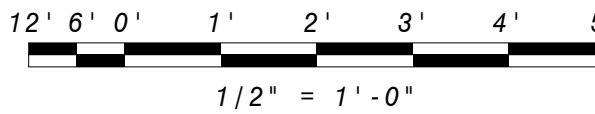
NO.	BY	DATE	REVISIONS AND RECORD OF USE
0		5/19/2020	ISSUED FOR CONSTRUCTION

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GENERAL SECTION NOTES

1. FOR GENERAL STRUCTURAL NOTES, SEE SHEETS 00-S-002 AND STANDARD SPECIFICATIONS.
2. REINFORCEMENT CLEAR COVER TO BE 2" EF FOR WALLS, 2" AT TOP OF SLABS, AND 3" AT BOTTOM OF SLABS, TYP., UNO
3. ALL LAP SPLICES TO BE CLASS B PER DETAIL 1/00-S-101.
4. ALL SLAB REINFORCEMENT MUST TERMINATE WITH A STANDARD 90° HOOK PER DETAIL 05/00-S-101.
5. RAILING SHALL BE SIDE-MOUNTED AS SHOWN AND INSTALLED WITH MECHANICAL ANCHORS ONLY AT THIS LOCATION.



NO.	BY	DATE	REVISIONS AND RECORD OF USE
0		5/19/2020	ISSUED FOR CONSTRUCTION



Ashley & Vance
ENGINEERING, INC.

JOINT VENTURE

FILANC **BLACK & VEATCH**

CITY OF MORRO BAY
FILANC BLACK & VEATCH DB PROPOSAL
RECLAMATION FACILITY (WRF)

VACTOR WASHDOWN AREA
STRUCTURAL
SECTIONS

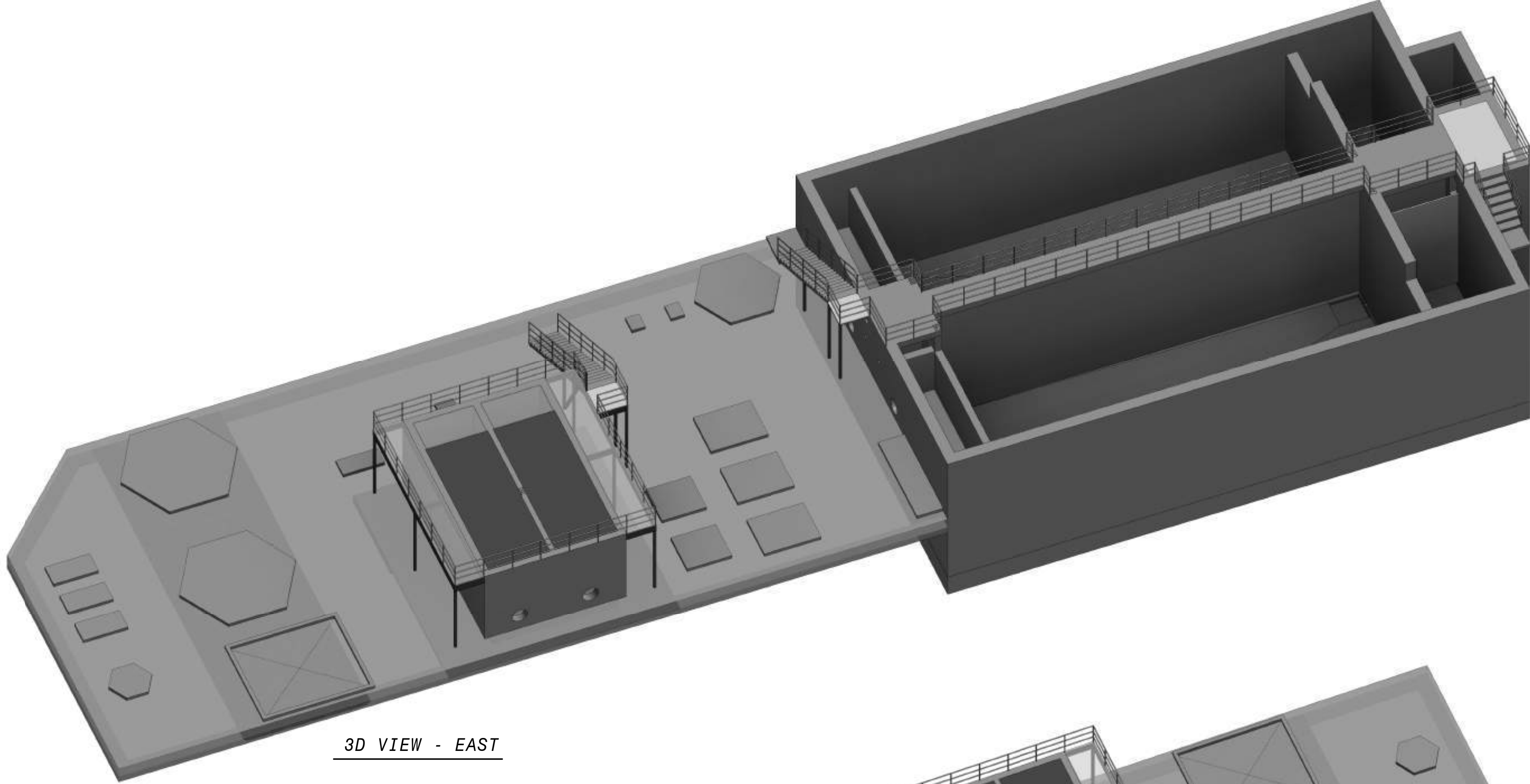
DESIGNED: M. MARSH
DETAILED: S. BENJAMIN
CHECKED: I. SHOEBRIDGE
APPROVED: C. ASHLEY
DATE: 5/19/2020

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

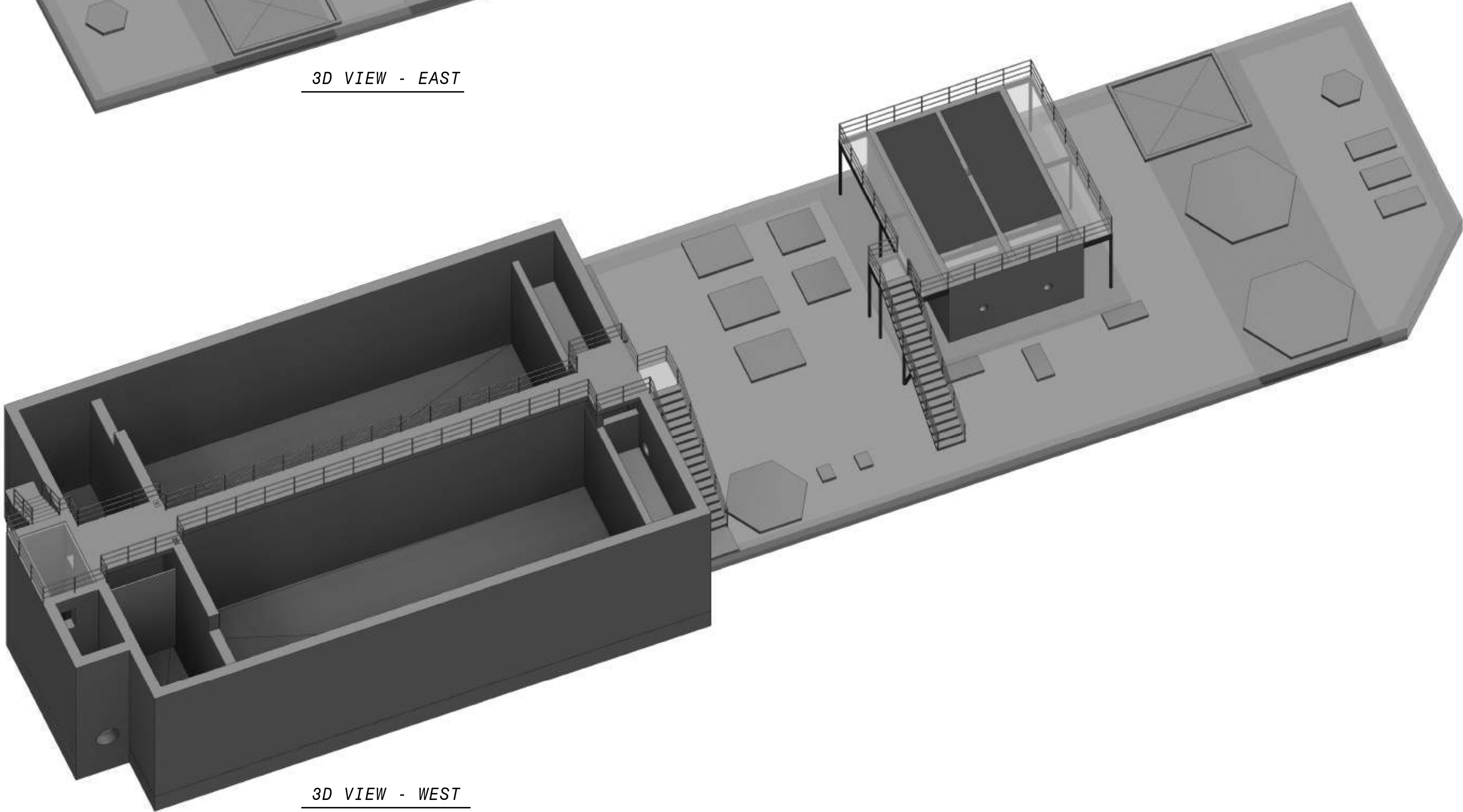
PROJECT NO.
400530

24-S-301
SHEET
183 OF 412

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3D VIEW - EAST



3D VIEW - WEST



Ashley & Vance
ENGINEERING, INC.

JOINT VENTURE

FILANC

**BLACK & VEATCH**

CITY OF MORRO BAY
MORRO BAY WATER
RECLAMATION FACILITY (WRF)
TREATMENT AREA-OVERALL
STRUCTURAL
3D VIEWS

DESIGNED: M. MARSH
DETAILED: S. BENJAMIN
CHECKED: I. SHOEBRIDGE
APPROVED: C. ASHLEY
DATE: 5/19/2020

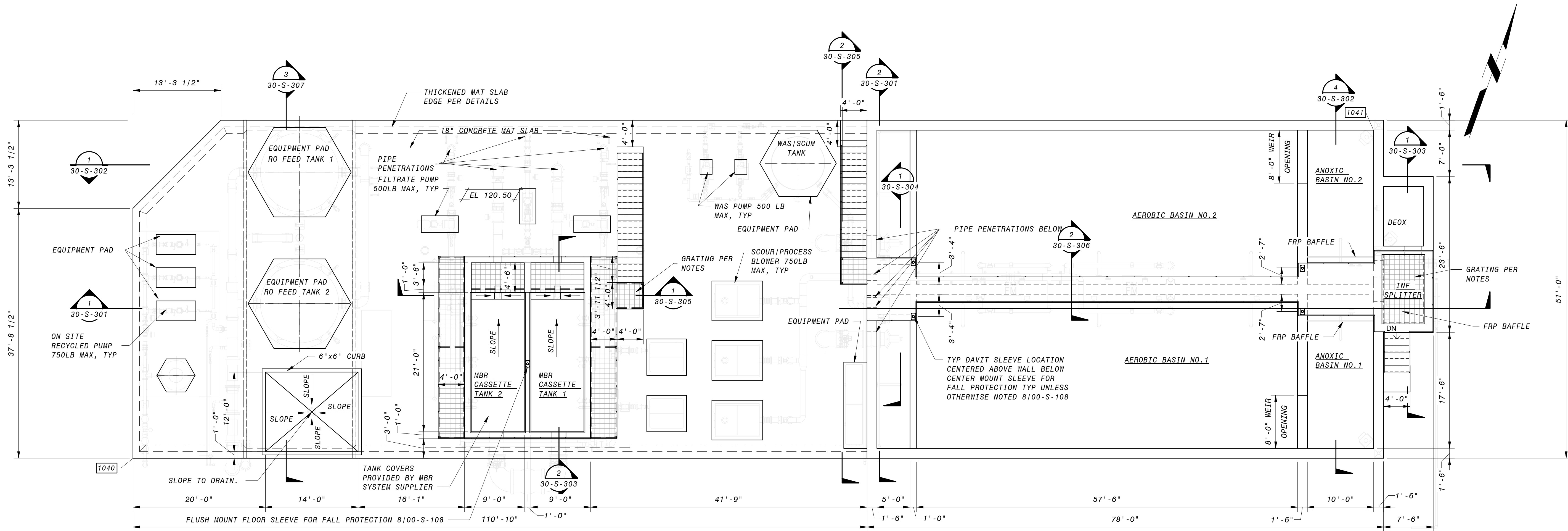
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IF THIS BAR DOES NOT
MEASURE 1" THEN DRAWING IS
NOT TO FULL SCALE

PROJECT NO.
400530

30-S-001
SHEET
184 OF 412

NO.	BY	DATE	ISSUED FOR CONSTRUCTION	REVISIONS AND RECORD OF USE
0				

PLOTTED: 5/19/2020 2:11:33 PM
040530



OPERATING FLOOR PLAN

1/8" = 1'-0"

GENERAL NOTES

- PLEASE SEE SOILS REPORT FOR ADDITIONAL SPECIFICATIONS AND RECOMMENDATIONS. IT IS THE DESIGN BUILDER'S RESPONSIBILITY TO OBTAIN A COPY OF THE SOILS REPORT FROM THE OWNER OR OWNERS REPRESENTATIVE.
- NOT USED
- SEE GENERAL NOTES & SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS AND MATERIAL SPECIFICATIONS.
- DESIGN BUILDER TO VERIFY ALL DIMENSIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- ALL REINFORCEMENT LAP SPLICES TO BE CLASS B PER DETAIL 1/00-S-101 IF SPLICES RESULT IN CLEAR SPACING LESS THAN ACI CODE MINIMUMS, PROVIDE TYPE 2 MECHANICAL SPLICES. MECHANICAL CONNECTORS SHALL BE SUBMITTED FOR REVIEW AND APPROVAL.
- ALL SLAB REINFORCEMENT MUST TERMINATE WITH A STANDARD 90° HOOK.
- FURNISH GALVANIZED STEEL GRATING DESIGNED FOR OUTDOOR INSTALLATION IN A COASTAL ENVIRONMENT. GRATING SHALL BE DESIGNED FOR 100 PSF UNIFORM DISTRIBUTED LIVE LOAD, 300 LB CONCENTRATED LIVE LOAD, AND LESSER OF L/200 OR 1/4" DEFLECTION. COLOR SHALL BE SELECTED IN SUBMITTAL REVIEW FROM MANUFACTURER STANDARD COLOR SELECTIONS.
- SUBMIT EQUIPMENT WEIGHT FOR REVIEW PRIOR TO INSTALLATION. SEE DETAIL 1/00-S-105 FOR TYPICAL EQUIPMENT PADS. LOCATION & SIZE OF EQUIPMENT PADS TO BE COORDINATED WITH MECHANICAL/ELECTRICAL/PLUMBING DRAWINGS. EQUIPMENT ANCHORAGE PER PROJECT SPECIFICATIONS.
- REFER TO MECHANICAL/ELECTRICAL/PLUMBING DRAWINGS FOR SIZE AND LOCATIONS OF PIPE PENETRATIONS AND WALL OPENINGS. SEE DETAIL 9/00-S-101 FOR TYPICAL REINFORCEMENT REQUIREMENTS. COORDINATE PIPE PENETRATION SEAL WITH MECHANICAL ENGINEER OF RECORD.
- FOR TYPICAL MAT SLAB EDGE, REFER TO DETAIL 13/00-S-102.
- PROVIDE COMPLETE DESIGN PACKAGE FOR FRP BAFFLES (INCLUDING ANCHORAGE) SIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR REVIEW. CARE TO BE TAKEN TO NOT HIT REINFORCEMENT.
- PROVIDE COMPLETE DESIGN PACKAGE FOR DAVIT AND MIXERS (INCLUDE ANCHORAGE) SIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR REVIEW. CARE TO BE TAKEN TO NOT HIT REINFORCEMENT.

8' 4' 0' 8' 16'
1/8" = 1'-0"

CITY OF MORRO BAY
MORRO BAY WATER
RECLAMATION FACILITY (WRF)

TREATMENT AREA
STRUCTURAL
OPERATING LEVEL PLAN

DESIGNED: M. MARSH
DETAILED: S. BENJAMIN
CHECKED: I. SHOEBRIDGE
APPROVED: C. ASHLEY
DATE: 5/19/2020

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

PROJECT NO.
400530

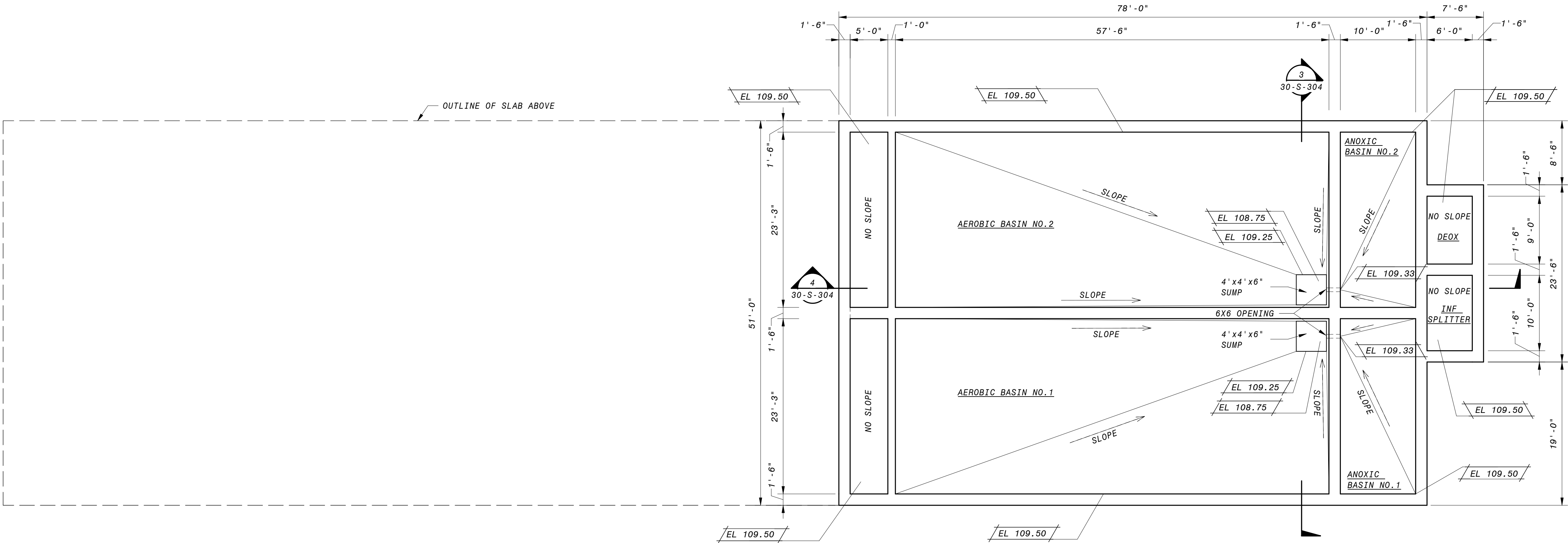
30-S-101
SHEET
185 OF 412



Ashley & Vance
ENGINEERING, INC.
JOINT VENTURE
BLACK & VEATCH
FILANC

5/19/2020
DATE
ISSUED FOR CONSTRUCTION
REVISITONS AND RECORD OF USE
NO. BY CHK APP

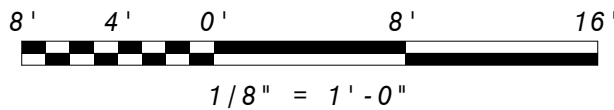
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0400530



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

GENERAL NOTES

1. PLEASE SEE SOILS REPORT FOR ADDITIONAL SPECIFICATIONS AND RECOMMENDATIONS. IT IS THE DESIGN BUILDER'S RESPONSIBILITY TO OBTAIN A COPY OF THE SOILS REPORT FROM THE OWNER OR OWNERS REPRESENTATIVE.
2. NOT USED.
3. SEE GENERAL NOTES & SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS AND MATERIAL SPECIFICATIONS.
4. DESIGN BUILDER TO VERIFY ALL DIMENSIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
5. ALL REINFORCEMENT LAP SPLICES TO BE CLASS B PER DETAIL 1/00-S-101 IF SPLICES RESULT IN CLEAR SPACING LESS THAN ACI CODE MINIMUMS, PROVIDE TYPE 2 MECHANICAL SPLICES. MECHANICAL CONNECTORS SHALL BE SUBMITTED TO EOR FOR REVIEW AND APPROVAL.
7. ALL SLAB REINFORCEMENT MUST TERMINATE WITH A STANDARD 90° HOOK.
8. REFER TO MECHANICAL/ ELECTRICAL/ PLUMBING DRAWINGS FOR SIZE AND LOCATIONS OF PIPE PENETRATIONS AND WALL OPENINGS. SEE DETAIL 9/00-S-101 FOR TYPICAL REINFORCEMENT REQUIREMENTS. COORDINATE PIPE PENETRATION SEAL WITH MECHANICAL ENGINEER OF RECORD.



CITY OF MORRO BAY
MORRO BAY WATER
RECLAMATION FACILITY (WRF)

TREATMENT AREA
STRUCTURAL
LOWER PLAN

DESIGNED: M. MARSH
DETAILED: S. BENJAMIN
CHECKED: I. SHOEBRIDGE
APPROVED: C. ASHLEY
DATE: 5/19/2020

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

PROJECT NO.
400530

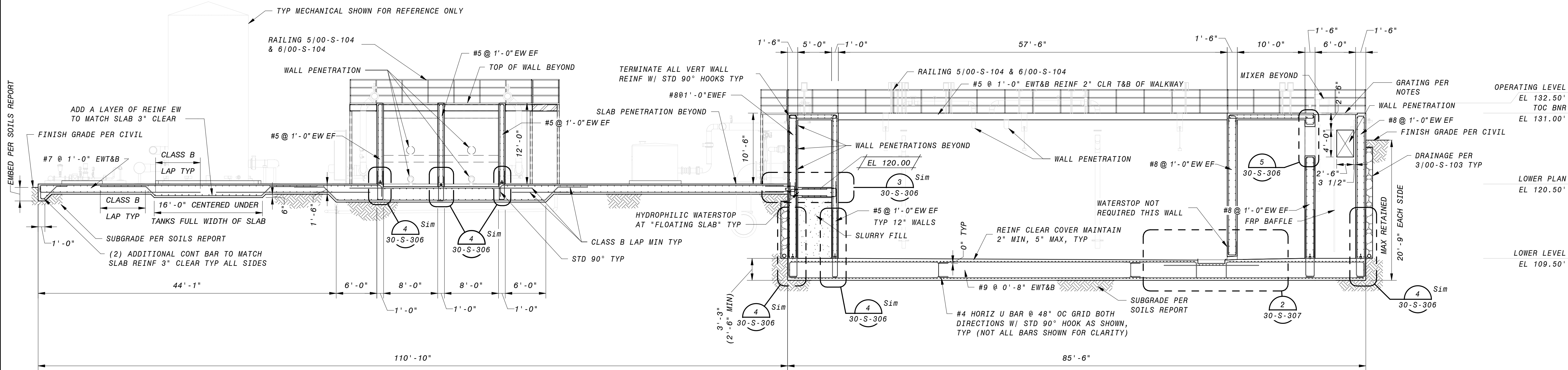
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SHEET
186 OF 412



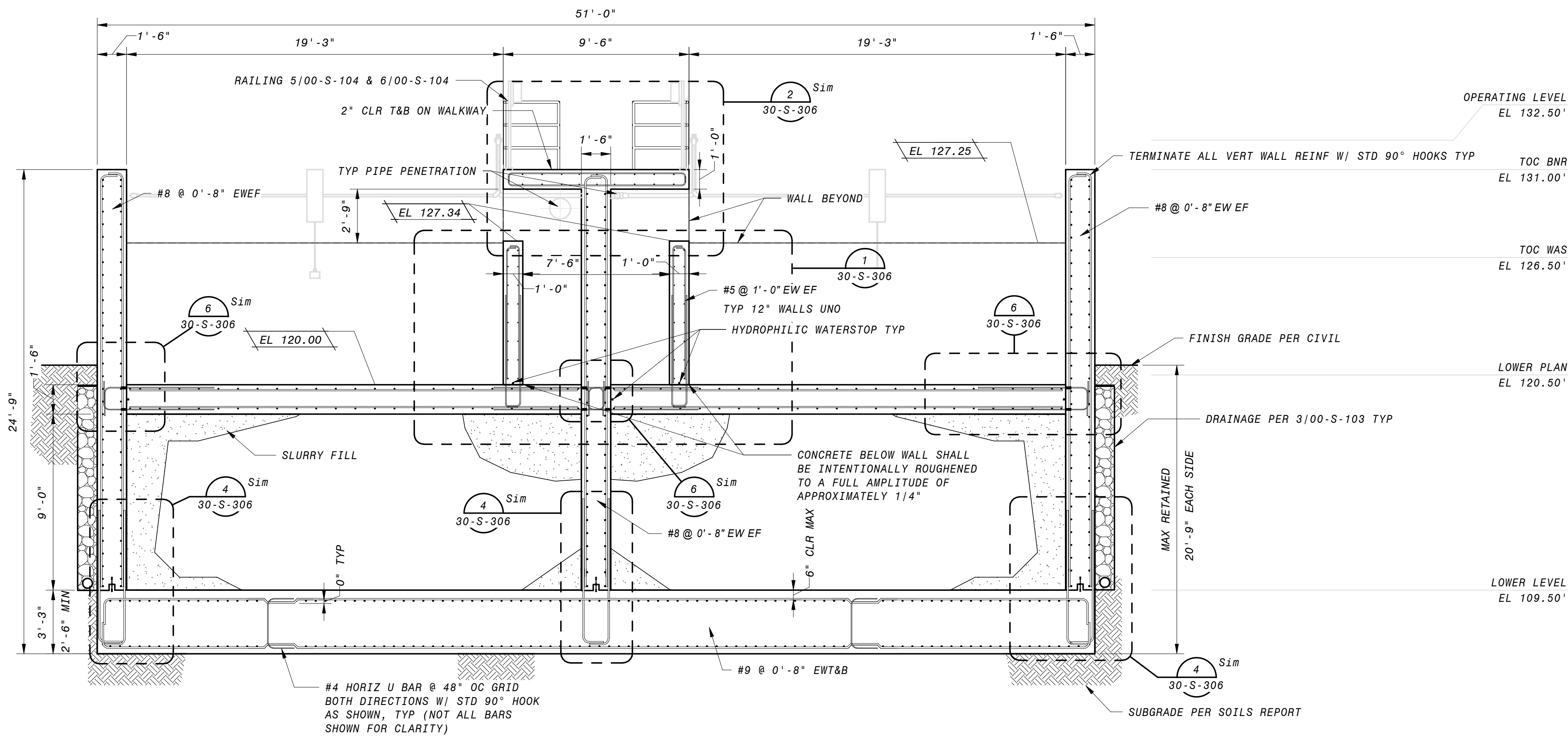
Ashley & Vance
ENGINEERING, INC.
JOINT VENTURE
BLACK & VEATCH
FILANC

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ISSUED FOR CONSTRUCTION			
REVISONS AND RECORD OF USE			
5/19/2020	DATE		

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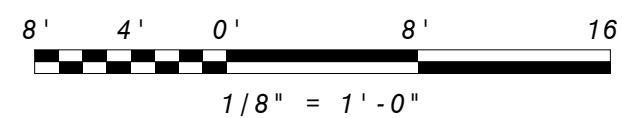
1 SECTION
30-S-101 1/8" = 1'-0"



2 SECTION
30-S-101 1/4" = 1'-0"

GENERAL SECTION NOTES

- FOR GENERAL STRUCTURAL NOTES, SEE SHEET 00-S-002 AND STANDARD SPECIFICATIONS.
- AT WALLS 12" THICK OR LESS, PROVIDE A 6" WATERSTOP, UNO. AT WALLS GREATER THAN 12" THICK, PROVIDE A 9" WATERSTOP, UNO. REFER TO DETAIL 2 ON SHEET 00-S-103.
- REINFORCEMENT CLEAR COVER TO BE 2" EF FOR WALLS, 2" AT TOP OF SLABS, AND 3" AT BOTTOM OF SLABS, TYP., UNO FURNISH GALVANIZED GRATING COVER DESIGNED FOR OUTDOOR INSTALLATION IN COASTAL ENVIRONMENT. 100 PSF UNIFORM DISTRIBUTED LIVE LOAD, 300 LB CONCENTRATED LIVE LOAD, AND LESSER OF L/200 OR 1/4" DEFLECTION. COLOR SHALL BE SELECTED IN SUBMITTAL REVIEW FROM MANUFACTURER STANDARD COLOR SELECTIONS.
- ALL LAP SPLICES TO BE CLASS B PER DETAIL 1/00-S-101.
- REFER TO MECHANICAL DRAWINGS FOR SIZE AND LOCATIONS OF PIPE PENETRATIONS AND WALL OPENINGS. SEE DETAIL 9/00-S-101 FOR TYPICAL REINFORCEMENT REQUIREMENTS. COORDINATE PIPE PENETRATION SEAL WITH MECHANICAL EOR (WHERE OCCURS).
- PROVIDE GATE PER MECHANICAL DRAWINGS. COORDINATE OPENING SIZE AND ATTACHMENT WITH EOR.
- SUBMIT EQUIPMENT WEIGHT FOR REVIEW PRIOR TO INSTALLATION. SEE DETAIL 1/00-S-105 FOR TYPICAL EQUIPMENT PADS. LOCATION & SIZE OF EQUIPMENT PADS TO BE COORDINATED WITH MECHANICAL/ ELECTRICAL/ PLUMBING DRAWINGS. EQUIPMENT ANCHORAGE PER PROJECT SPECIFICATIONS.
- FOR TYPICAL MAT SLAB EDGE, REFER TO DETAIL 13/00-S-102.
- PROVIDE COMPLETE DESIGN PACKAGE FOR DAVIT AND MIXERS.
- PROVIDE COMPLETE DESIGN PACKAGE FOR FRP BAFFLES (INCLUDING ANCHORAGE) SIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR REVIEW. CARE TO BE TAKEN TO NOT HIT REINFORCEMENT.
- WALL DRAINAGE SHOWN FOR ILLUSTRATIVE PURPOSES ONLY. SEE TYPICAL DETAILS FOR MORE INFORMATION.



ISSUED FOR CONSTRUCTION	NO.	BY	CHK	APP
5/19/2020	0			
DATE	REV	NO.	BY	DATE



CITY OF MORRO BAY
MORRO BAY WATER
RECLAMATION FACILITY (WRF)

TREATMENT AREA
STRUCTURAL
SECTIONS & DETAILS 1

DESIGNED: M. MARSH
DETAILED: S. BENJAMIN
CHECKED: I. SHOEBRIDGE
APPROVED: C. ASHLEY
DATE: 5/19/2020

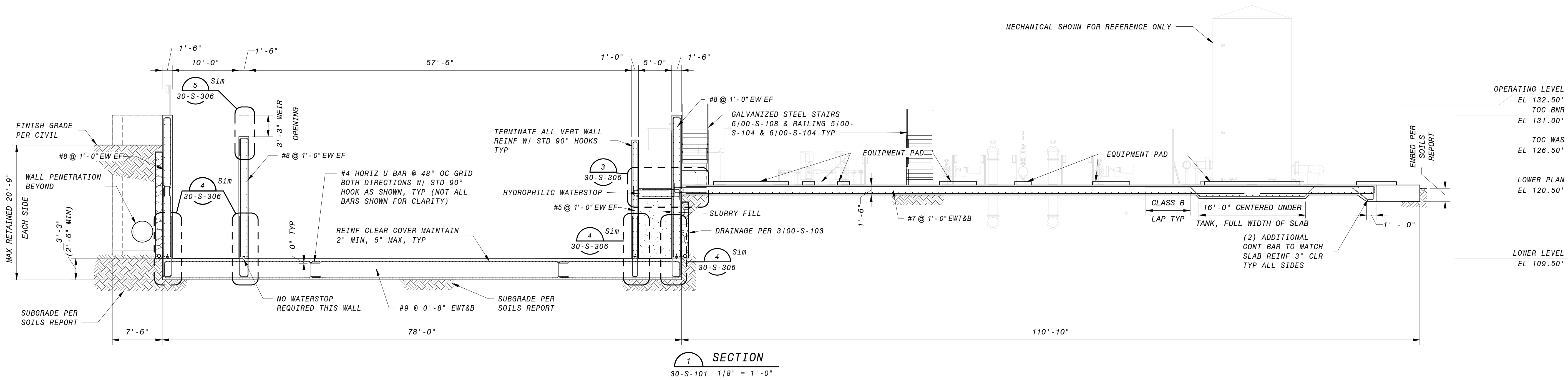
0 1/2 1
IF THIS BAR DOES NOT
MEASURE 1" THEN DRAWING IS
NOT TO FULL SCALE

PROJECT NO.
400530

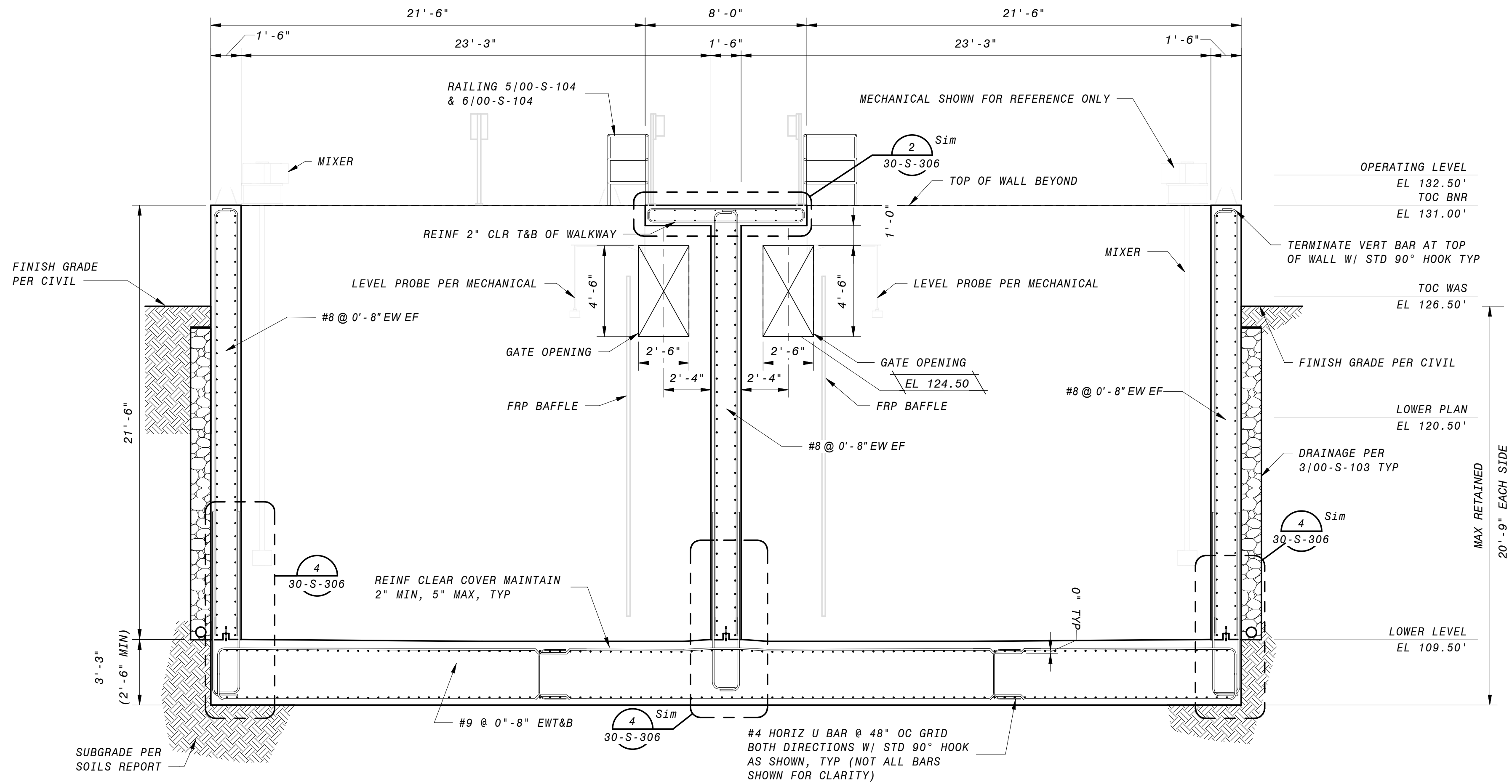
30-S-301
SHEET
187 OF 412

440530

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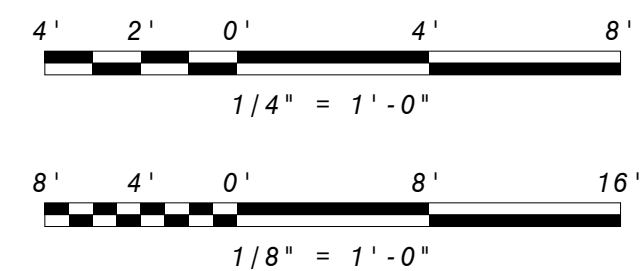
SECTION
30-S-101 1/8" = 1'-0"



SECTION
30-S-101 1/4" = 1'-0"

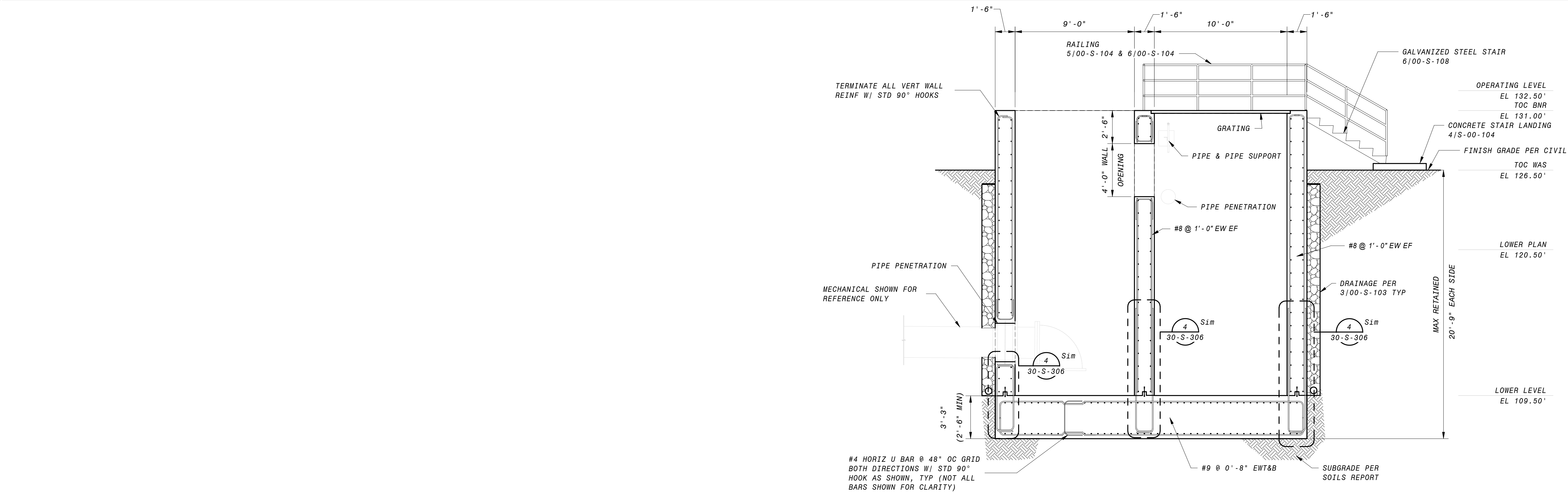
GENERAL SECTION NOTES

- FOR GENERAL STRUCTURAL NOTES, SEE SHEET 00-S-002 AND STANDARD SPECIFICATIONS.
- AT WALLS 12" THICK OR LESS, PROVIDE A 6" WATERSTOP, UNO. AT WALLS GREATER THAN 12" THICK, PROVIDE A 9" WATERSTOP, UNO. REFER TO DETAIL 2 ON SHEET 00-S-103.
- REINFORCEMENT CLEAR COVER TO BE 2" EF FOR WALLS, 2" AT TOP OF SLABS, AND 3" AT BOTTOM OF SLABS, TYP., UNO.
- ALL LAP SPLICES TO BE CLASS B PER DETAIL 1/00-S-101.
- REFER TO MECHANICAL DRAWINGS FOR SIZE AND LOCATIONS OF PIPE PENETRATIONS AND WALL OPENINGS. SEE DETAIL 9/00-S-101 FOR TYPICAL REINFORCEMENT REQUIREMENTS. COORDINATE PIPE PENETRATION SEAL WITH MECHANICAL EOR (WHERE OCCURS).
- PROVIDE WEIR PLATE PER MECHANICAL DRAWINGS. COORDINATE OPENING SIZE & PLATE ATTACHMENT WITH EOR.
- PROVIDE GATE PER MECHANICAL DRAWINGS. COORDINATE OPENING SIZE WITH EOR.
- SUBMIT EQUIPMENT WEIGHT FOR REVIEW PRIOR TO INSTALLATION. SEE DETAIL 1/00-S-105 FOR TYPICAL EQUIPMENT PADS. LOCATION & SIZE OF EQUIPMENT PADS TO BE COORDINATED WITH MECHANICAL/ ELECTRICAL/ PLUMBING DRAWINGS. EQUIPMENT ANCHORAGE PER PROJECT SPECIFICATIONS.
- PROVIDE COMPLETE DESIGN PACKAGE FOR FRP BAFFLES (INCLUDING ANCHORAGE) SIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR REVIEW. CARE TO BE TAKEN TO NOT HIT REINFORCEMENT.
- FOR TYPICAL MAT SLAB EDGE, REFER TO DETAIL 13/00-S-102.
- PROVIDE COMPLETE DESIGN PACKAGE FOR DAVIT AND MIXERS.
- WALL DRAINAGE SHOWN FOR ILLUSTRATIVE PURPOSES ONLY. SEE TYPICAL DETAILS FOR MORE INFORMATION.



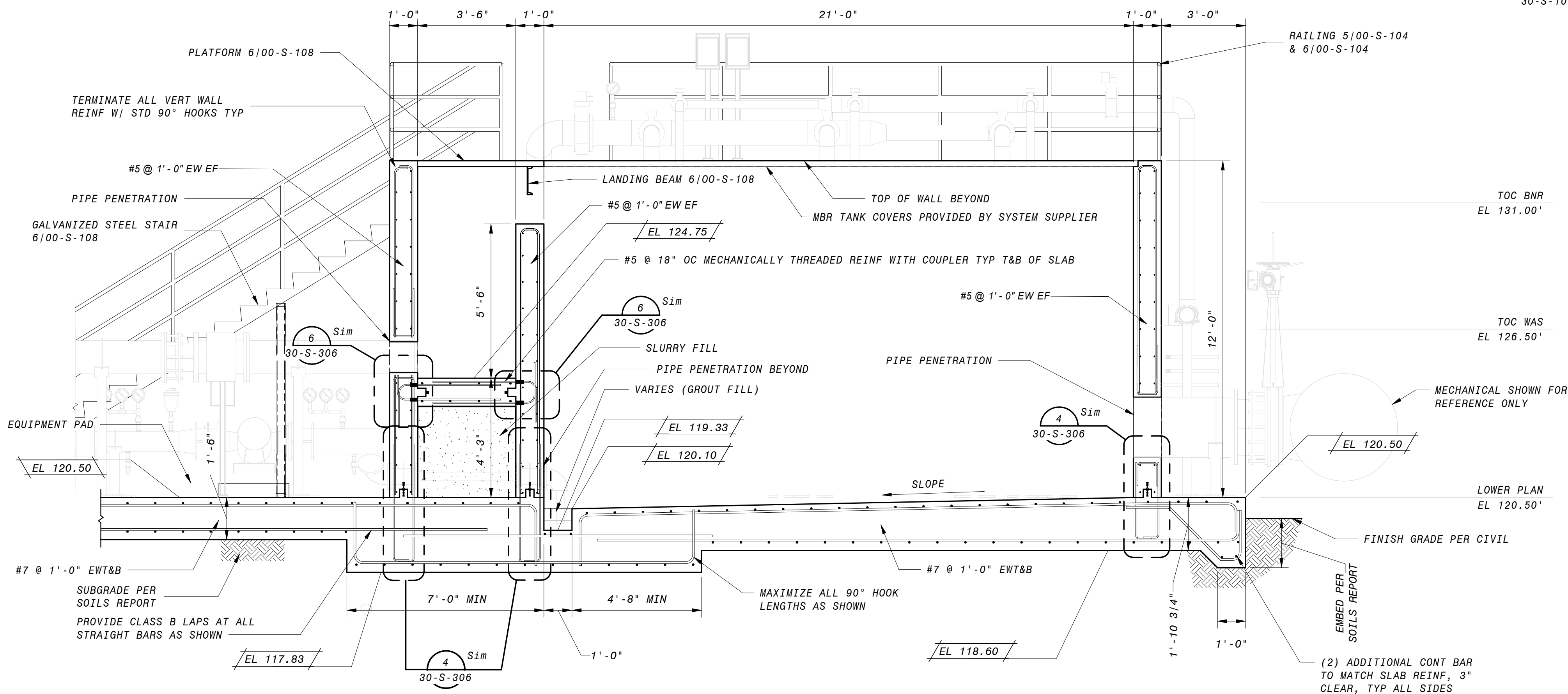
DESIGNED: M. MARSH	
DETAILED: S. BENJAMIN	
CHECKED: I. SHOEBRIDGE	
APPROVED: C. ASHLEY	
DATE: 5/19/2020	
PROJECT NO. 400530	
SHEET 188 OF 412	
CITY OF MORRO BAY MORRO BAY WATER RECLAMATION FACILITY (WRF)	
TREATMENT AREA STRUCTURAL SECTIONS & DETAILS 2	
JOINT VENTURE Ashley & Vance ENGINEERING, INC. BLACK & VEATCH FILANC	
REGISTERED PROFESSIONAL ENGINEER CHARLES R. ASHLEY S5258 STRUCTURAL STATE OF CALIFORNIA	
5/19/2020 DATE	
ISSUED FOR CONSTRUCTION REVISITONS AND RECORD OF USE	
NO. BY CHK APP	
0	

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D400530



SECTION 1

30-S-101 1/4" = 1'-0"

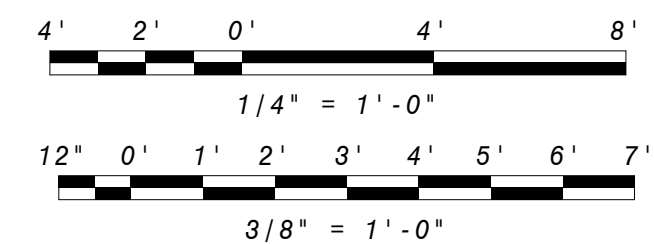


SECTION 2

30-S-101 3/8" = 1'-0"

GENERAL SECTION NOTES

1. FOR GENERAL STRUCTURAL NOTES, SEE SHEETS 00-S-002 AND STANDARD SPECIFICATIONS.
2. AT WALLS 12" THICK OR LESS, PROVIDE A 6" WATERSTOP, UNO. AT WALLS GREATER THAN 12" THICK, PROVIDE A 9" WATERSTOP, UNO. REFER TO DETAIL 2 ON SHEET 00-S-103.
3. REINFORCEMENT CLEAR COVER TO BE 2" EF FOR WALLS, 2" AT TOP OF SLABS, AND 3" AT BOTTOM OF SLABS, TYP., UNO
4. FURNISH GALVANIZED GRATING COVER DESIGNED FOR OUTDOOR INSTALLATION IN A COASTAL ENVIRONMENT. GRATING SHALL BE DESIGNED 100 PSF UNIFORM DISTRIBUTED LIVE LOAD, 300 LB CONCENTRATED LIVE LOAD, AND LESSER OF L/200 OR 1/4" DEFLECTION. COLOR SHALL BE SELECTED IN SUBMITTAL REVIEW FROM MANUFACTURER STANDARD COLOR SELECTIONS.
5. ALL LAP SPLICES TO BE CLASS B PER DETAIL 1/00-S-101.
6. REFER TO MECHANICAL DRAWINGS FOR SIZE AND LOCATIONS OF PIPE PENETRATIONS AND WALL OPENINGS. SEE DETAIL 9/00-S-101 FOR TYPICAL REINFORCEMENT REQUIREMENTS. COORDINATE PIPE PENETRATION SEAL WITH EOR (WHERE OCCURS).
7. PROVIDE WEIR PLATE PER MECHANICAL DRAWINGS. COORDINATE OPENING SIZE & PLATE ATTACHMENT WITH EOR.
8. PROVIDE GATE PER MECHANICAL DRAWINGS. COORDINATE OPENING SIZE WITH EOR.
9. SUBMIT EQUIPMENT WEIGHT FOR REVIEW PRIOR TO INSTALLATION. SEE DETAIL 1/00-S-105 FOR TYPICAL EQUIPMENT PADS. LOCATION & SIZE OF EQUIPMENT PADS TO BE COORDINATED WITH MECHANICAL/ ELECTRICAL/ PLUMBING DRAWINGS. EQUIPMENT ANCHORAGE PER PROJECT SPECIFICATIONS.
10. PROVIDE COMPLETE DESIGN PACKAGE FOR FRP BAFFLES (INCLUDING ANCHORAGE) SIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR REVIEW. CARE TO BE TAKEN TO NOT HIT REINFORCEMENT.
11. FOR TYPICAL MAT SLAB EDGE, REFER TO DETAIL 13/00-S-102.
12. WALL DRAINAGE SHOWN FOR ILLUSTRATIVE PURPOSES ONLY. SEE TYPICAL DETAILS FOR MORE INFORMATION.



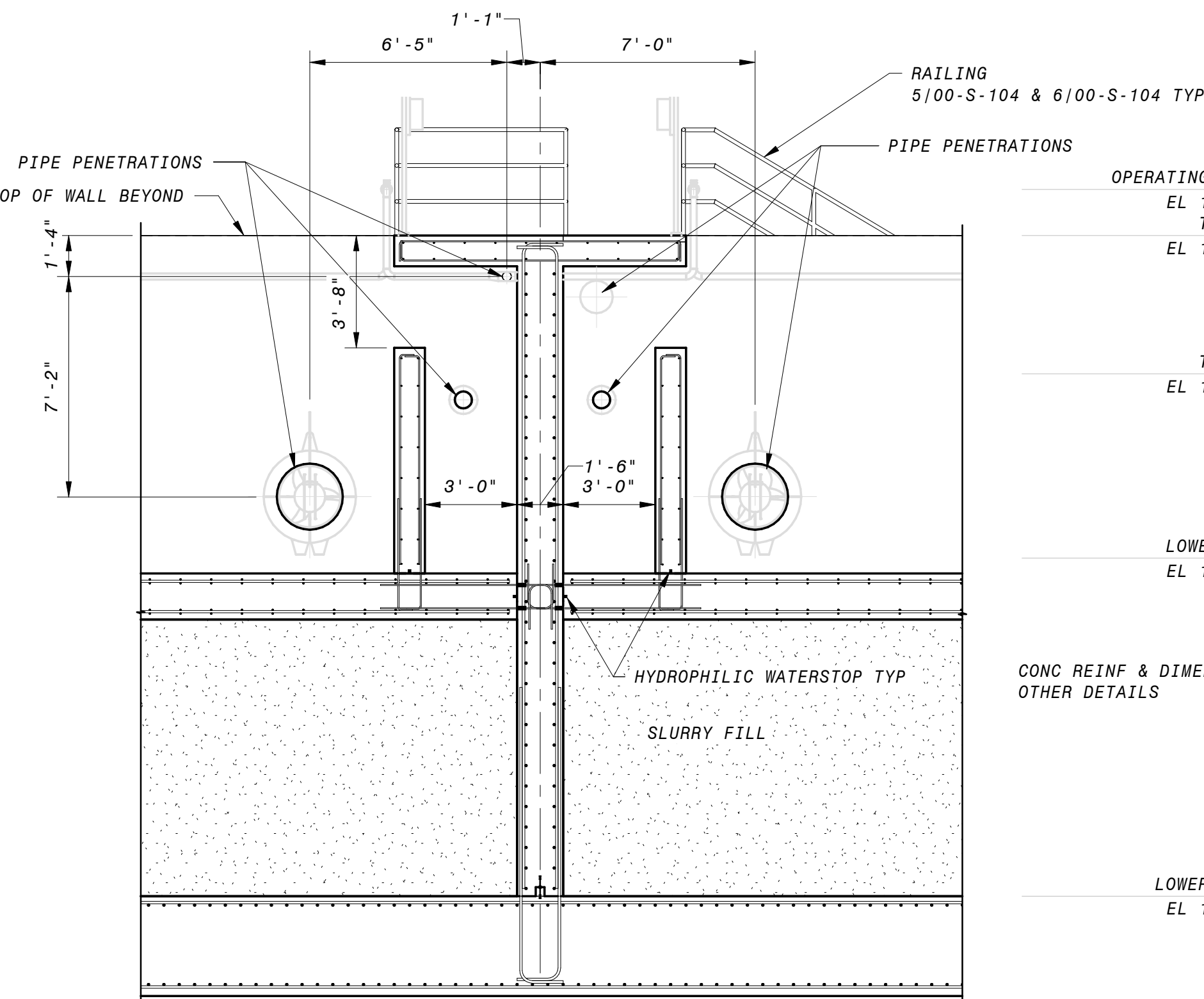
DESIGNED: M. MARSH	PROJECT NO. 400530
DETAILED: S. BENJAMIN	SHEET 189 OF 412
CHECKED: I. SHOEBRIDGE	
APPROVED: C. ASHLEY	
DATE: 5/19/2020	

NO.	BY	CHK APP
0		

ISSUED FOR CONSTRUCTION	REVISITONS AND RECORD OF USE
5/19/2020	DATE

REGISTERED PROFESSIONAL ENGINEER CHARLES R. ASHLEY S5258 STRUCTURAL STATE OF CALIFORNIA	JOINT VENTURE Ashley & Vance ENGINEERING, INC. BLACK & VEATCH FILANC
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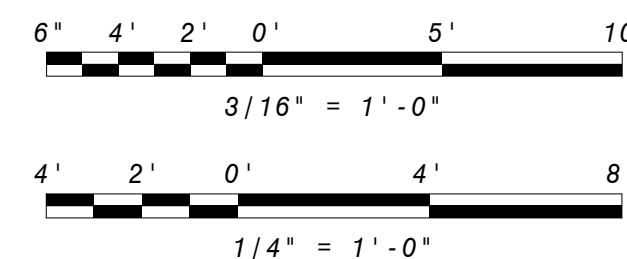
CITY OF MORRO BAY MORRO BAY WATER RECLAMATION FACILITY (WRF)	TREATMENT AREA STRUCTURAL SECTIONS & DETAILS 3
--	--



1 PIPE PENETRATIONS
30-S-101 1/4" = 1'-0"



1. FOR GENERAL STRUCTURAL NOTES, SEE SHEET 00-S-002 AND STANDARD SPECIFICATIONS.
2. AT WALLS 12" THICK OR LESS, PROVIDE A 6" WATERSTOP, UNO. AT WALLS GREATER THAN 12" THICK, PROVIDE A 9" WATERSTOP, UNO. REFER TO DETAIL 2 ON SHEET 00-S-103.
3. REINFORCEMENT CLEAR COVER TO BE 2" EF FOR WALLS, 2" AT TOP OF SLABS, AND 3" AT BOTTOM OF SLABS, TYP., UNO.
4. ALL LAP SPICES TO BE CLASS B PER DETAIL 1/00-S-101.
5. REFER TO MECHANICAL DRAWINGS FOR SIZE AND LOCATIONS OF PIPE PENETRATIONS AND WALL OPENINGS. SEE DETAIL 9/00-S-101 FOR TYPICAL REINFORCEMENT REQUIREMENTS. COORDINATE PIPE PENETRATION SEAL WITH MECHANICAL EOR (WHERE OCCURS).
6. PROVIDE COMPLETE DESIGN PACKAGE FOR FRP BAFFLES (INCLUDING ANCHORAGE) SIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR REVIEW. CARE TO BE TAKEN TO NOT HIT REINFORCEMENT.
7. WALL DRAINAGE SHOWN FOR ILLUSTRATIVE PURPOSES ONLY. SEE TYPICAL DETAILS FOR MORE INFORMATION.



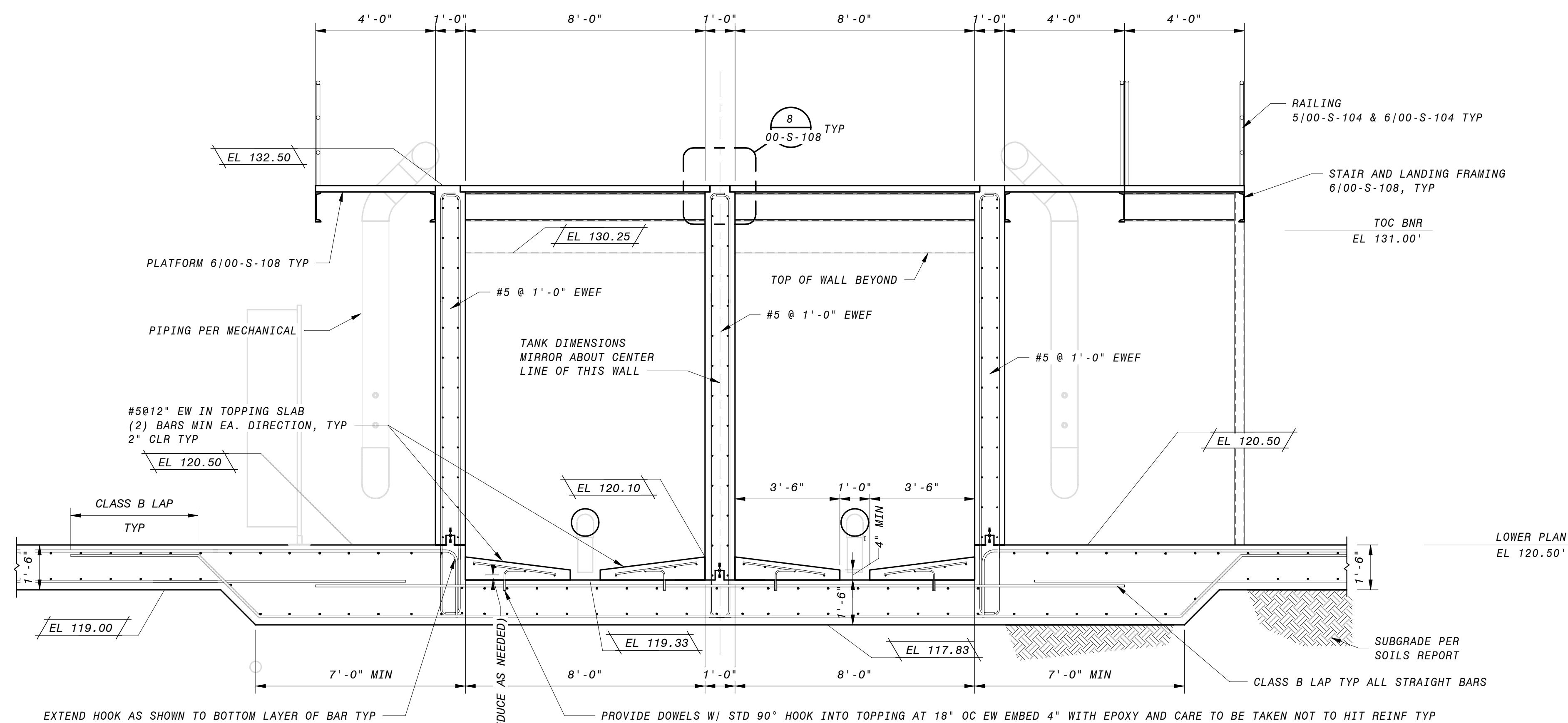
TREATMENT AREA
STRUCTURAL
SECTIONS & DETAILS 4

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

PROJECT NO.
400530

30-S-304

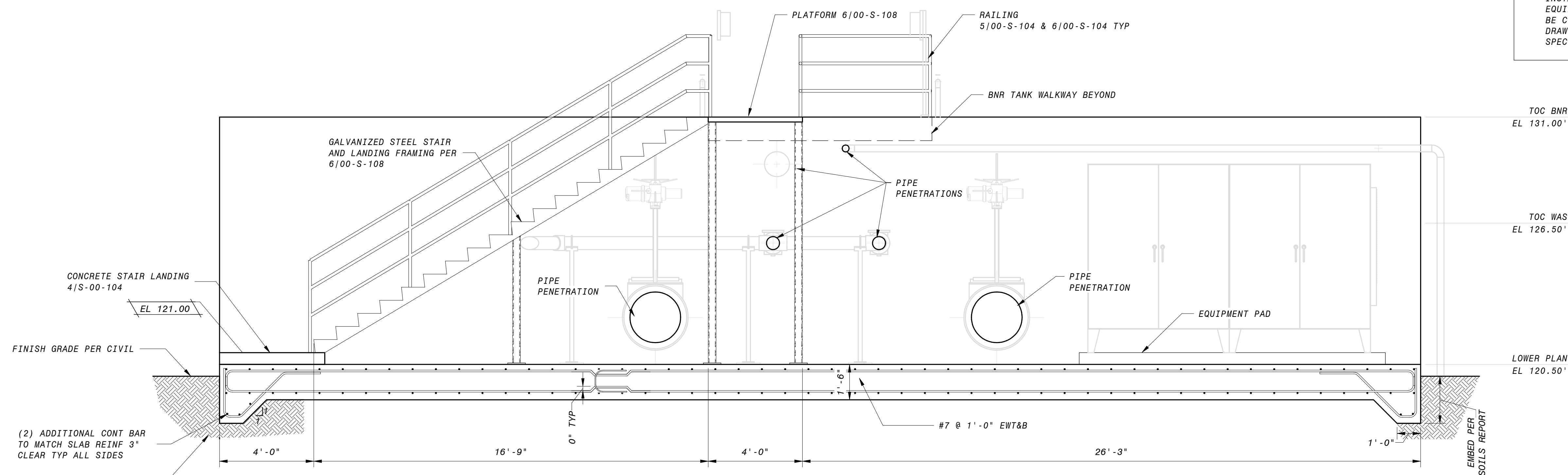
SHEET
190 OF 412



LOWER PLAN
EL 120.50'

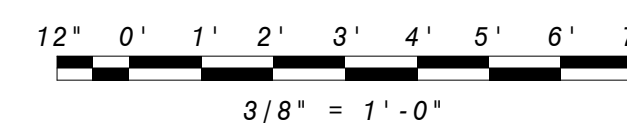
GENERAL SECTION NOTES

1. FOR GENERAL STRUCTURAL NOTES, SEE SHEET 00-S-002 AND STANDARD SPECIFICATIONS.
2. ALL 1/2" THICK OR LESS, PROVIDE A 6" WATERSTOP, UNO. AT WALLS GREATER THAN 12" THICK, PROVIDE A 9" WATERSTOP, UNO. REFER TO DETAIL 2 ON SHEET 00-S-103.
3. REINFORCEMENT CLEAR COVER TO BE 2" EF FOR WALLS, 2" AT TOP OF SLABS, AND 3" AT BOTTOM OF SLABS, TYP., UNO ALL LAP SPICES TO BE CLASS B PER DETAIL 1/00-S-101.
5. FURNISH GALVANIZED GRATING COVER DESIGNED FOR OUTDOOR INSTALLATION IN A COASTAL ENVIRONMENT. GRATING SHALL BE DESIGNED 100 PSF UNIFORM DISTRIBUTED LIVE LOAD, 300 LB CONCENTRATED LIVE LOAD, AND LESSER OF L/200 OR 1/4" DEFLECTION. COLOR SHALL BE SELECTED IN SUBMITTAL REVIEW FROM MANUFACTURER STANDARD COLOR SELECTIONS.
6. REFER TO MECHANICAL DRAWINGS FOR SIZE AND LOCATIONS OF PIPE PENETRATIONS AND WALL OPENINGS. SEE DETAIL 9/00-S-101 FOR TYPICAL REINFORCEMENT REQUIREMENTS. COORDINATE PIPE PENETRATION SEAL WITH MECHANICAL EOR (WHERE OCCURS).
7. SUBMIT EQUIPMENT WEIGHT FOR REVIEW PRIOR TO INSTALLATION. SEE DETAILS 1/00-S-105 FOR TYPICAL EQUIPMENT PADS. LOCATION & SIZE OF EQUIPMENT PADS TO BE COORDINATED WITH MECHANICAL/ ELECTRICAL/ PLUMBING DRAWINGS. EQUIPMENT ANCHORAGE PER PROJECT SPECIFICATIONS.



SECTION

30-S-101 3/8" = 1'-0"



CITY OF MORRO BAY
MORRO BAY WATER
RECLAMATION FACILITY (WRF)

TREATMENT AREA
STRUCTURAL
SECTIONS & DETAILS 5

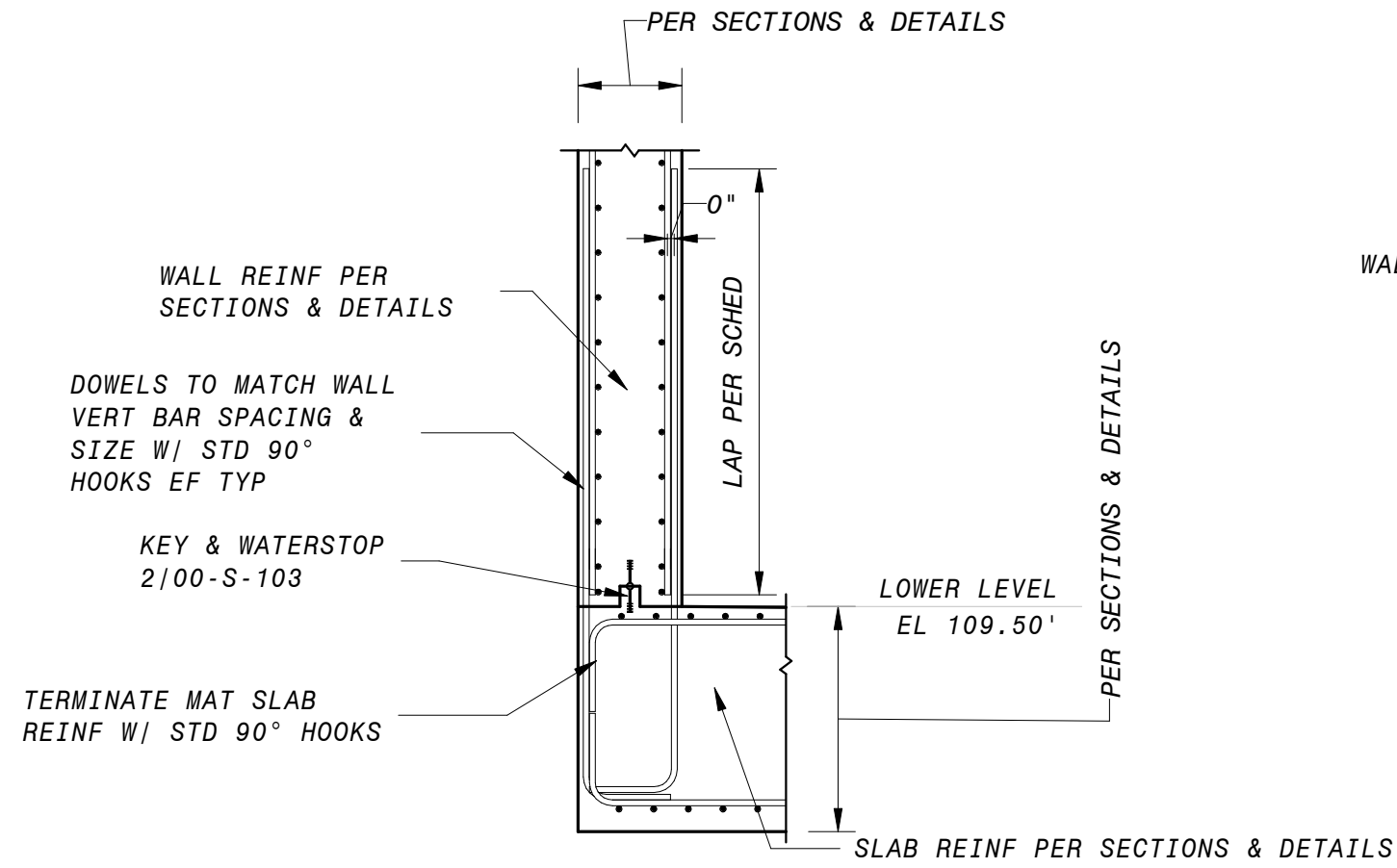
DESIGNED: M. MARSH
DETAILED: S. BENJAMIN
CHECKED: I. SHOEBRIDGE
APPROVED: C. ASHLEY
DATE: 5/19/2020

NOT TO FULL SCALE
PROJECT NO.
400530
30-S-305
SHEET
191 OF 412

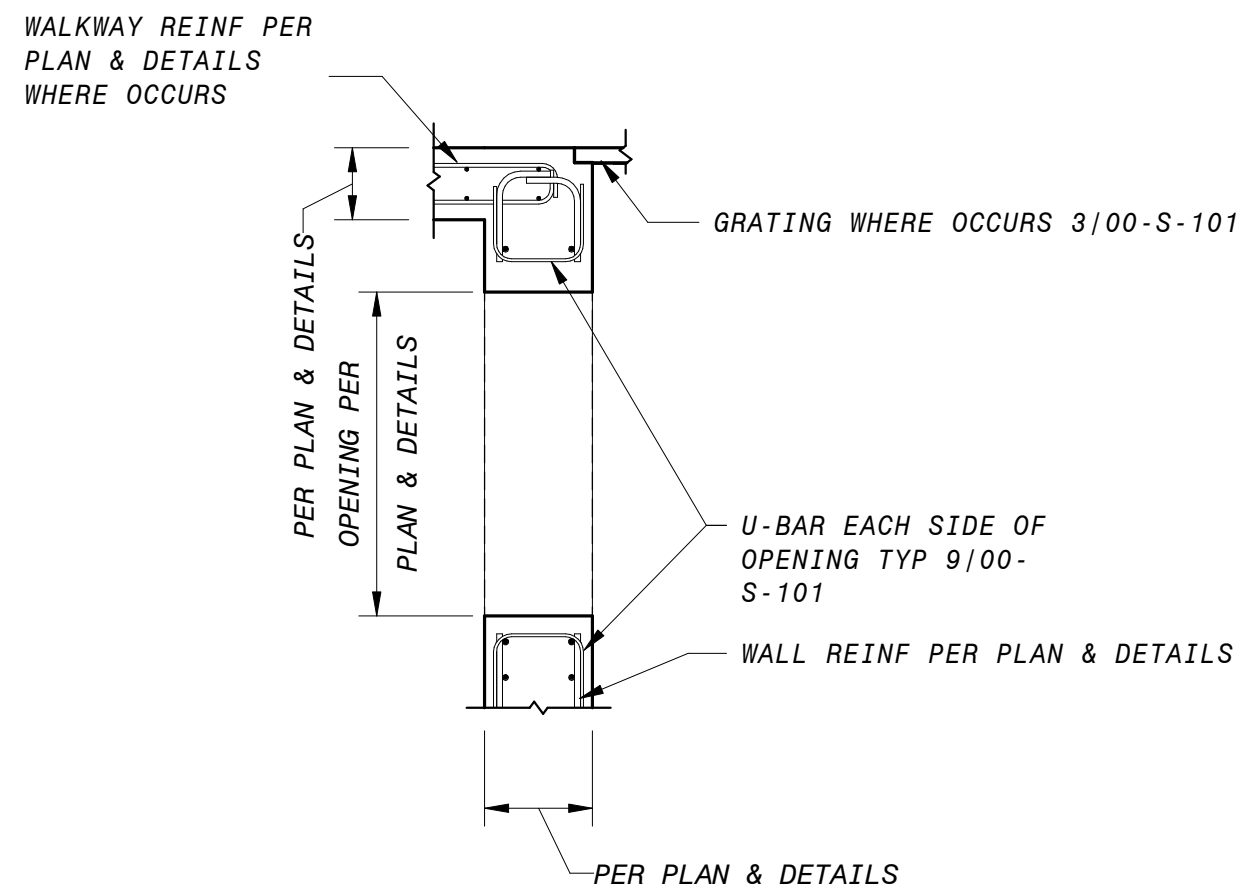
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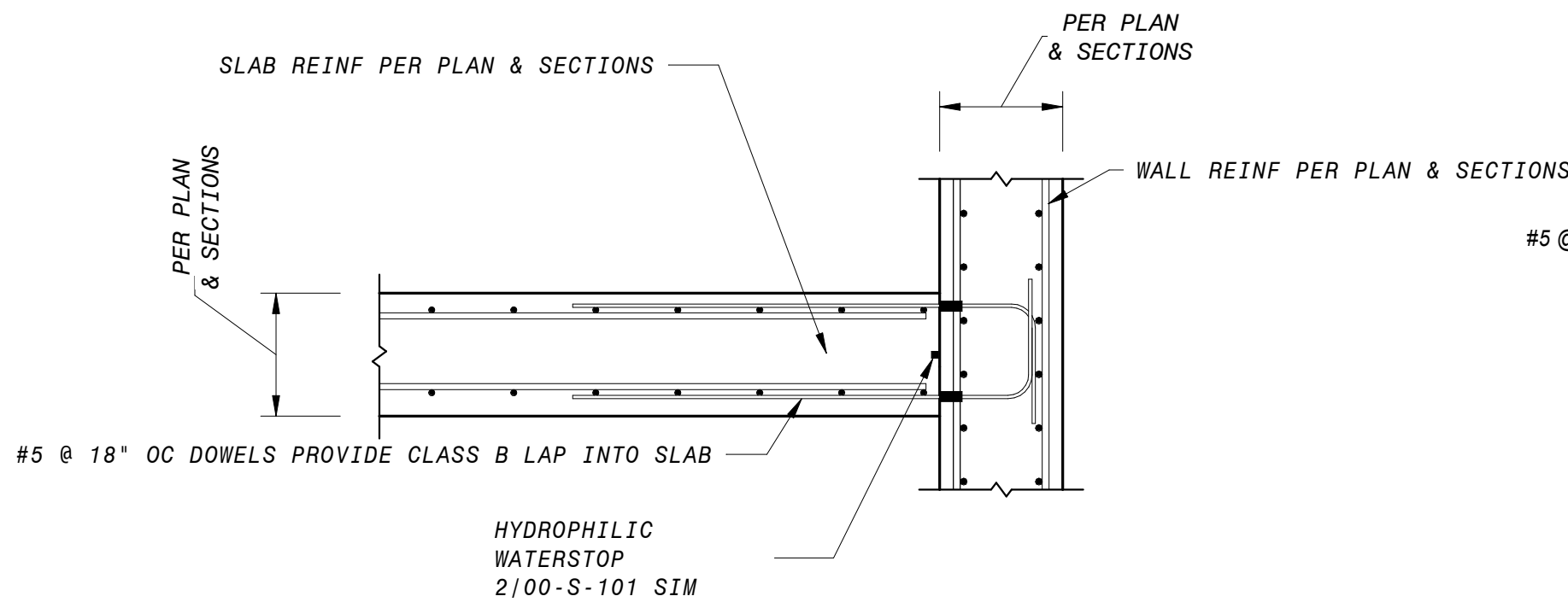
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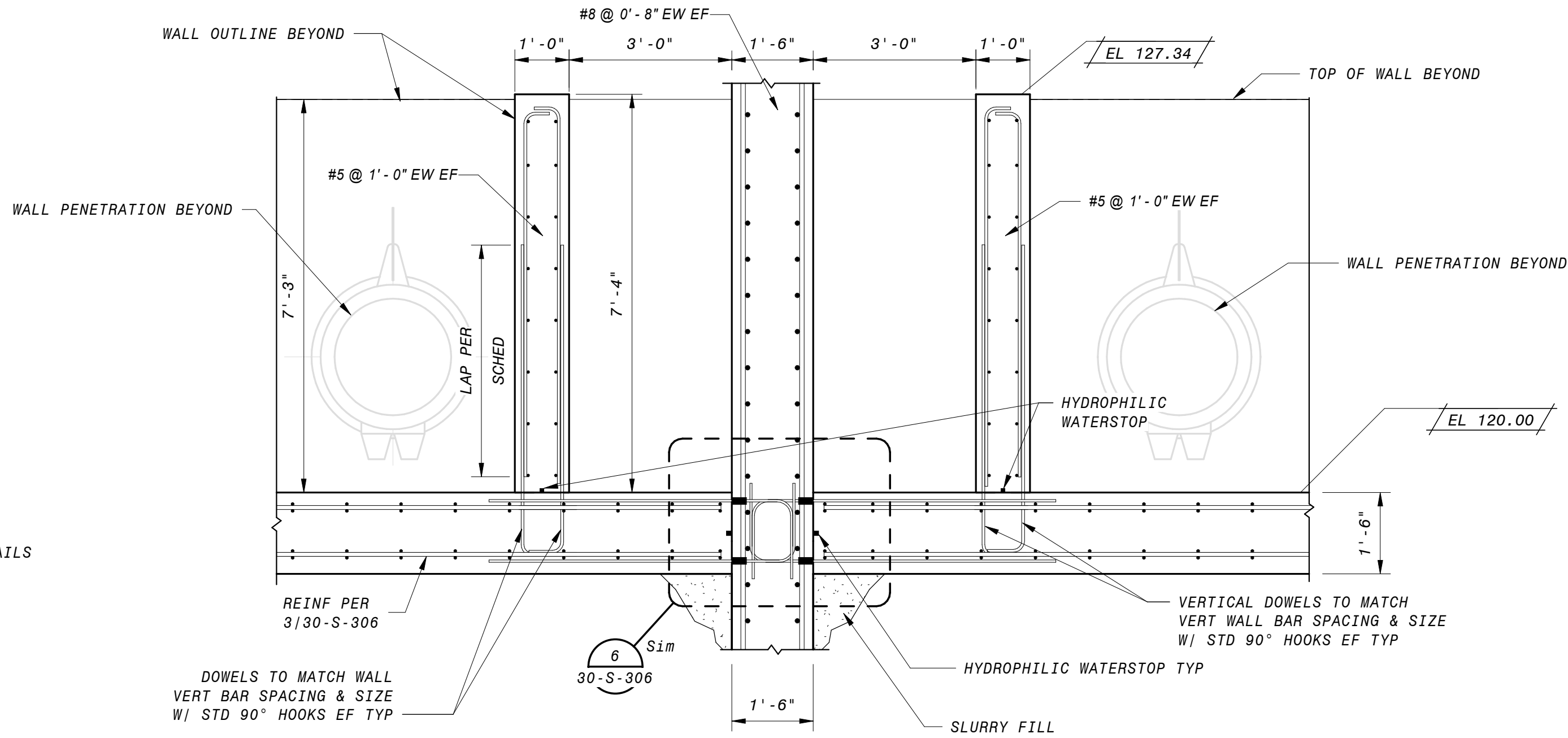
4 TYP WALL TO SLAB JOINT
 30-S-301 3/8" = 1'-0"



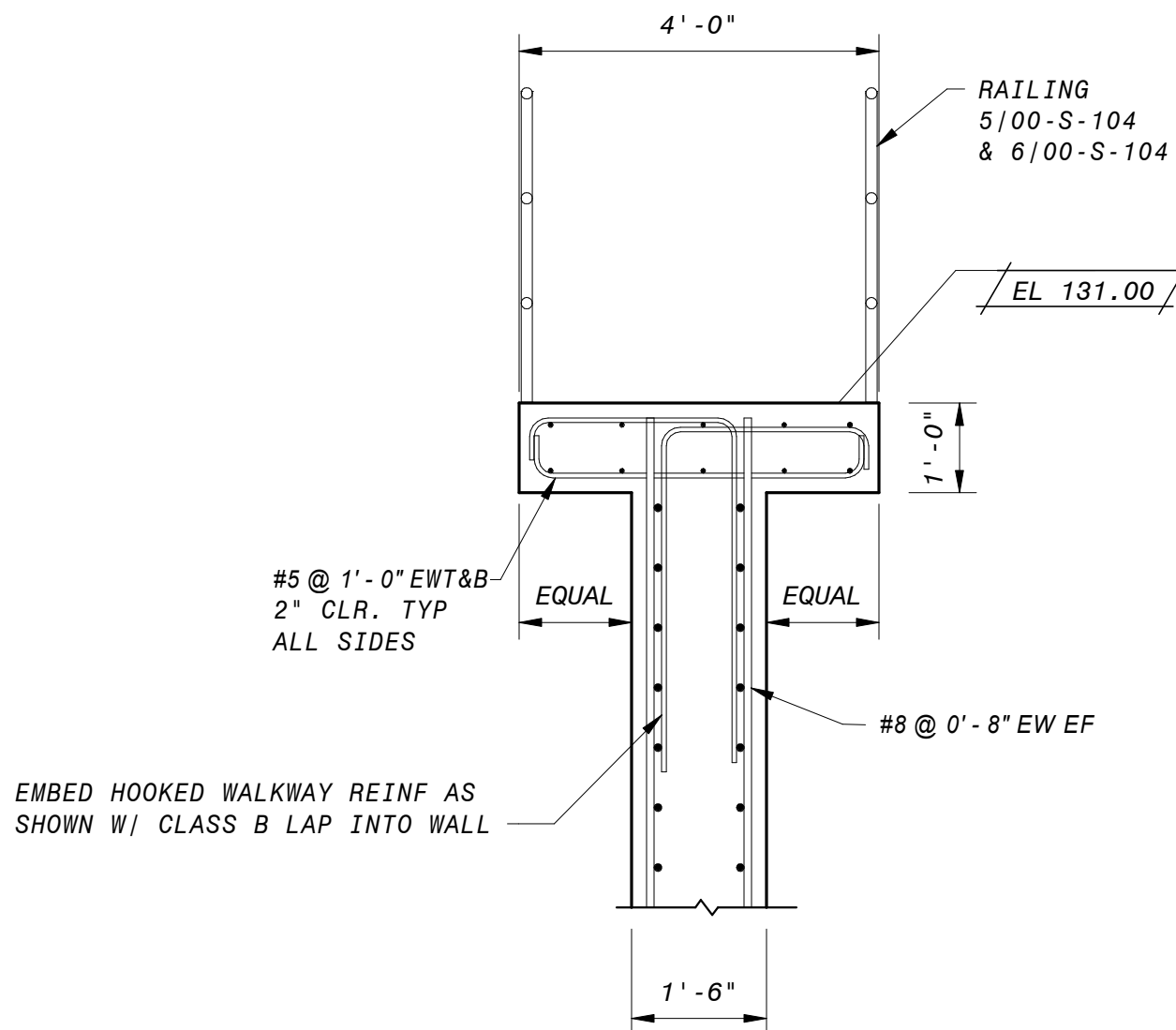
5 TYP WALL OPENING
 30-S-301 3/8" = 1'-0"



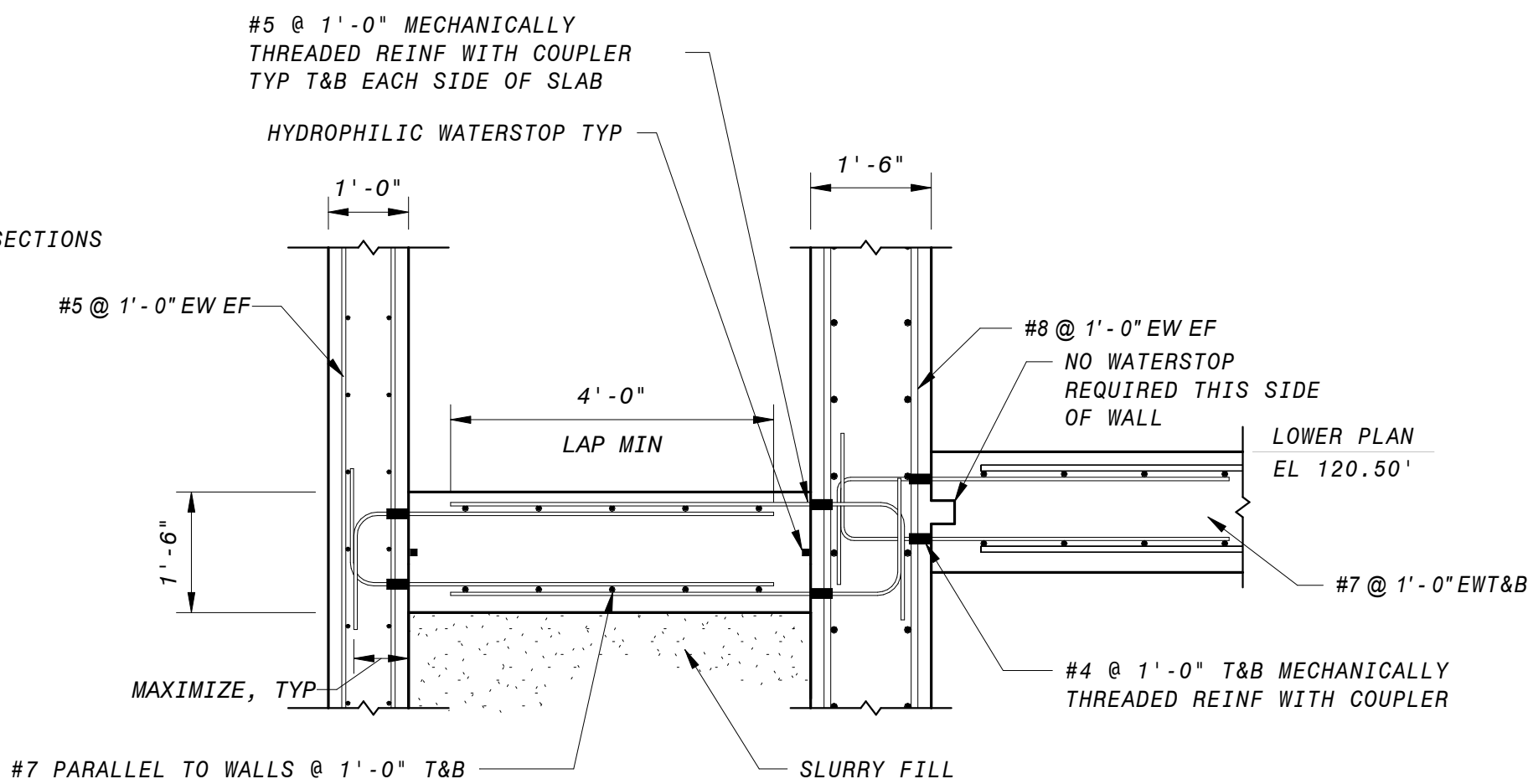
6 SLAB TO WALL JOINT
 30-S-301 1/2" = 1'-0"



1 SECTION
 30-S-301 1/2" = 1'-0"



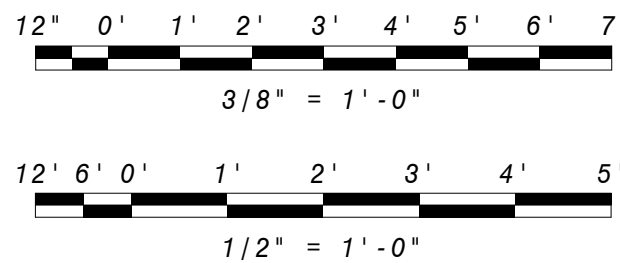
2 TYP WALKWAY TO WALL
 30-S-101 1/2" = 1'-0"



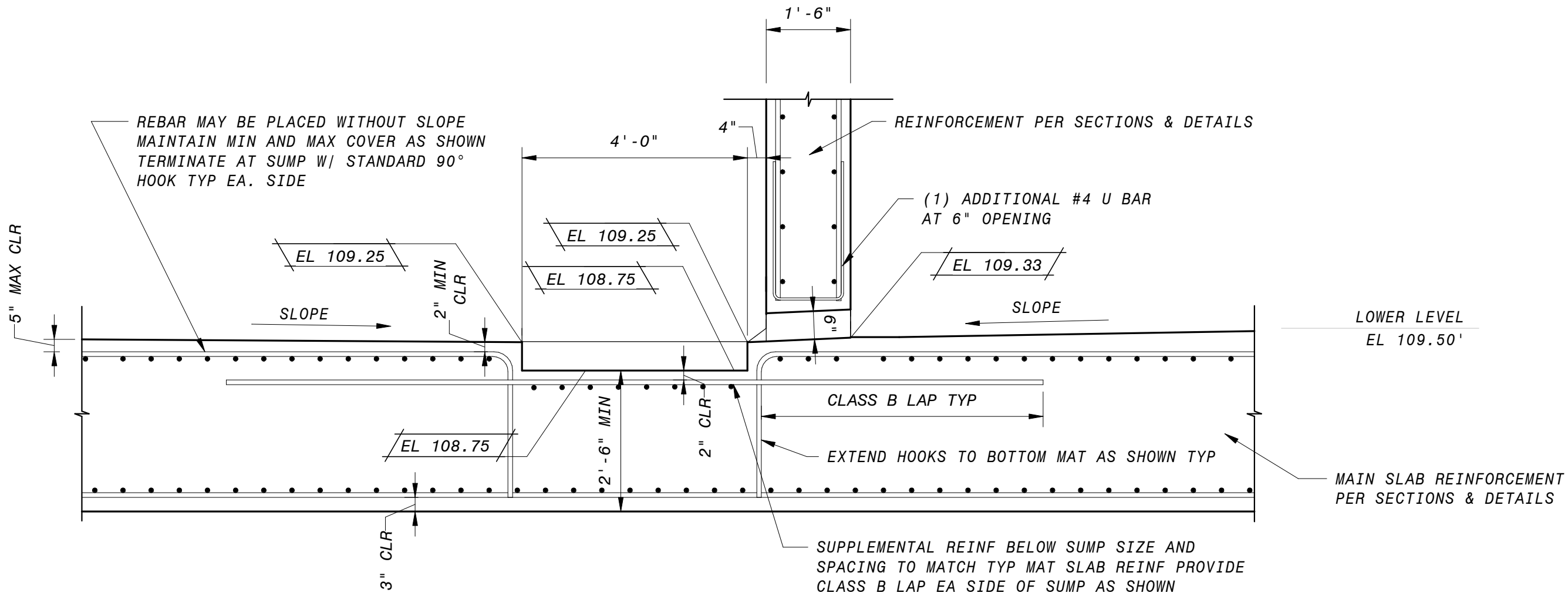
3 SECTION
 30-S-301 1/2" = 1'-0"

GENERAL SECTION NOTES

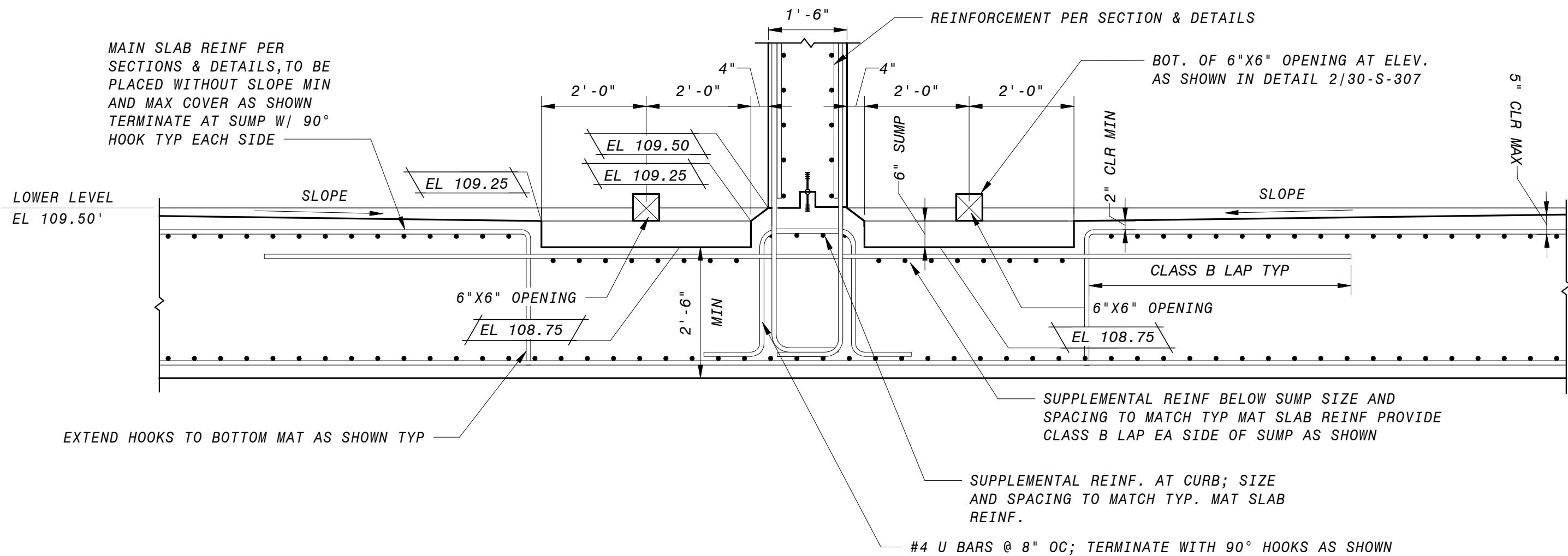
- FOR GENERAL STRUCTURAL NOTES, SEE SHEETS 00-S-002 AND STANDARD SPECIFICATIONS.
- AT WALLS 12" THICK OR LESS, PROVIDE A 6" WATERSTOP, UNO. AT WALLS GREATER THAN 12" THICK, PROVIDE A 9" WATERSTOP, UNO. REFER TO DETAIL 2 ON SHEET 00-S-006.
- REINFORCEMENT CLEAR COVER TO BE 2" EF FOR WALLS, 2" AT TOP OF SLABS, AND 3" AT BOTTOM OF SLABS, TYP., UNO FURNISH GALVANIZED GRATING COVER DESIGNED FOR OUTDOOR INSTALLATION IN A COASTAL ENVIRONMENT. GRATING SHALL BE DESIGNED 100 PSF UNIFORM DISTRIBUTED LIVE LOAD, 300 LB CONCENTRATED LIVE LOAD, AND LESSER OF L/200 OR 1/4" DEFLECTION. COLOR SHALL BE SELECTED IN SUBMITTAL REVIEW FROM MANUFACTURER STANDARD COLOR SELECTIONS.
- ALL LAP SPLICES TO BE CLASS B PER DETAIL 1/00-S-004.
- REFER TO MECHANICAL DRAWINGS FOR SIZE AND LOCATIONS OF PIPE PENETRATIONS AND WALL OPENINGS. SEE DETAIL 9/00-S-004 FOR TYPICAL REINFORCEMENT REQUIREMENTS. COORDINATE PIPE PENETRATION SEAL WITH EOR (WHERE OCCURS).
- PROVIDE GATE PER MECHANICAL DRAWINGS. COORDINATE OPENING SIZE WITH EOR.
- ALL MECHANICAL SPLICES SHALL BE TYPE 2 AND DEVELOP AT LEAST 1.25FY OF THE BAR.



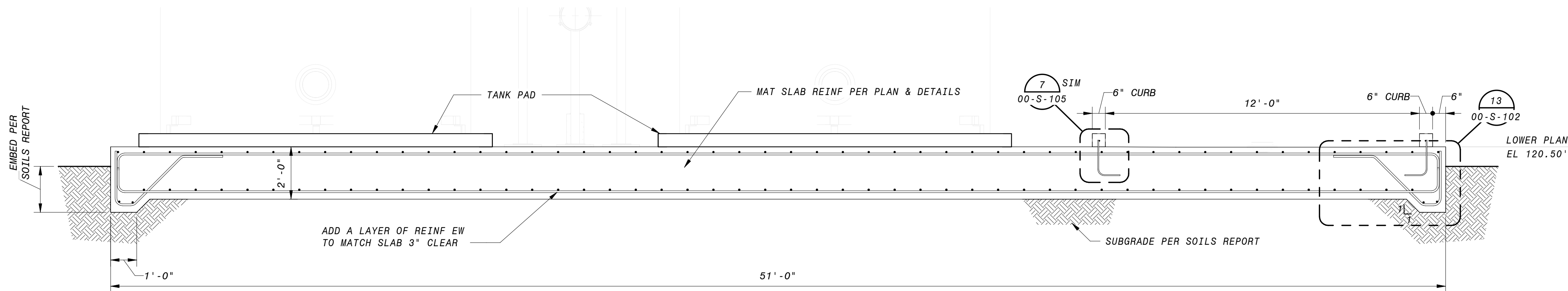
DESIGNED: M. MARSH DETAILED: S. BENJAMIN CHECKED: I. SHOEBRIDGE APPROVED: C. ASHLEY DATE: 5/19/2020		PROJECT NO. 400530
CITY OF MORRO BAY MORRO BAY WATER RECLAMATION FACILITY (WRF)		TREATMENT AREA STRUCTURAL SECTIONS & DETAILS 6
ASHLEY VANCE ENGINEERING, INC. JOINT VENTURE FILANC BLACK & VEATCH		REGISTERED PROFESSIONAL ENGINEER CHARLES R. ASHLEY S5258 STRUCTURAL STATE OF CALIFORNIA
5/19/2020 DATE		0 NO. BY
ISSUED FOR CONSTRUCTION REVISIONS AND RECORD OF USE		0 NO. BY



2 WALL TO SLAB AT SUMP DETAIL 2
30-S-301 1/2" = 1'-0"

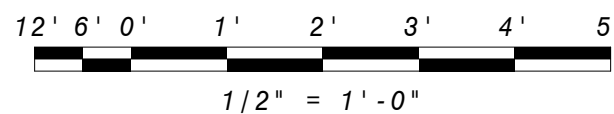


1 WALL TO SLAB @ SUMP DETAIL 1
30-S-304 1/2" = 1'-0"

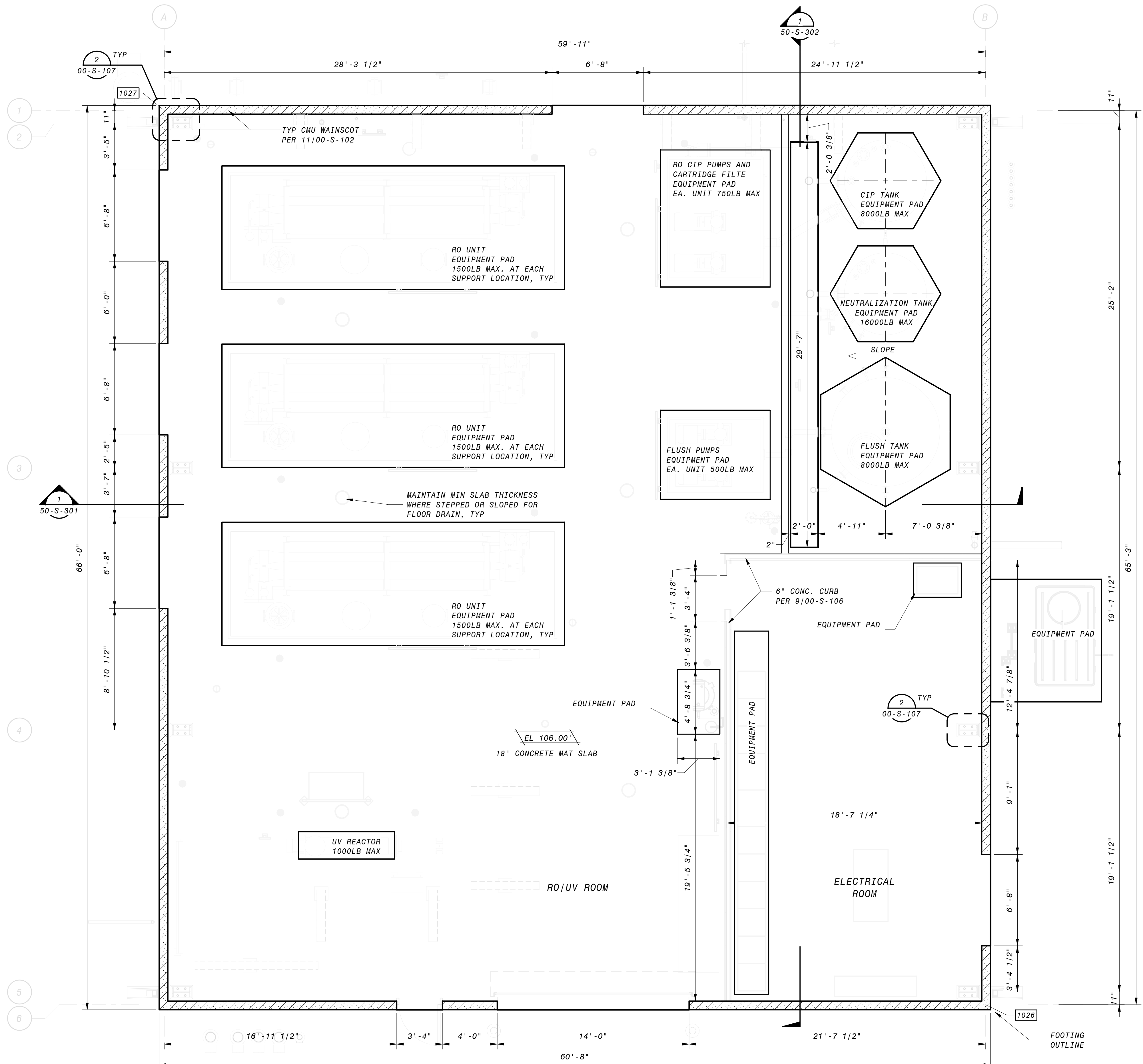


3 TYP SECTION @ RO TANKS
30-S-101 3/8" = 1'-0"

- GENERAL SECTION NOTES**
- FOR GENERAL STRUCTURAL NOTES, SEE SHEETS 00-S-002 AND STANDARD SPECIFICATIONS.
 - AT WALLS 12" THICK OR LESS, PROVIDE A 6" WATERSTOP, UNO. AT WALLS GREATER THAN 12" THICK, PROVIDE A 9" WATERSTOP, UNO. REFER TO DETAIL 2 ON SHEET 00-S-006.
 - REINFORCEMENT CLEAR COVER TO BE 2" EF FOR WALLS, 2" AT TOP OF SLABS, AND 3" AT BOTTOM OF SLABS, TYP., UNO.
 - ALL LAP SPLICES TO BE CLASS B PER DETAIL 1/00-S-004.
 - REFER TO MECHANICAL DRAWINGS FOR SIZE AND LOCATIONS OF PIPE PENETRATIONS AND WALL OPENINGS. SEE DETAIL 9/00-S-004 FOR TYPICAL REINFORCEMENT REQUIREMENTS. COORDINATE PIPE PENETRATION SEAL WITH EOR (WHERE OCCURS).
 - PROVIDE GATE PER MECHANICAL DRAWINGS. COORDINATE OPENING SIZE WITH EOR.
 - ALL MECHANICAL SPLICES SHALL BE TYPE 2 AND DEVELOP AT LEAST 1.25FY OF THE BAR.

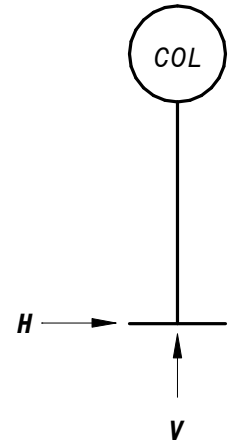


DESIGNED: M. MARSH	
DETAILED: S. BENJAMIN	
CHECKED: I. SHOEBRIDGE	
APPROVED: C. ASHLEY	
DATE: 5/19/2020	
0 1/2 1	
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE	
PROJECT NO. 400530	
30-S-307	
SHEET 193 OF 412	
CITY OF MORRO BAY MORRO BAY WATER RECLAMATION FACILITY (WRF)	
TREATMENT AREA STRUCTURAL SECTIONS & DETAILS 7	
JOINT VENTURE Ashley & Vance ENGINEERING, INC. BLACK & VEATCH FILANC	
REGISTERED PROFESSIONAL ENGINEER CHARLES R. ASHLEY S5258 STRUCTURAL STATE OF CALIFORNIA	
ISSUED FOR CONSTRUCTION REVISITONS AND RECORD OF USE	
DATE	
NO. BY	
0	
CHK APP	



NOTES:

- DESIGN AND DRAWINGS FOR STEEL FRAME PRE-ENGINEERED METAL BUILDING TO BE PROVIDED BY BUILDING MFR. SEE SPECIFICATIONS FOR DESIGN CRITERIA.
- FOUNDATION DESIGN HAS BEEN BASED ON THE FOLLOWING FRAME REACTIONS, ASSUMING A PINNED COLUMN BASE:

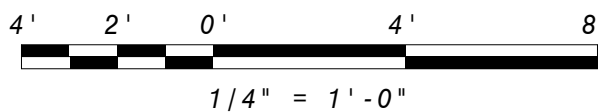


LOAD	VERTICAL V (K)	HORIZONTAL H (K)
DEAD	6.0	0.5
ROOF LIVE	10.5	1.5
SEISMIC	16.5	8.0
WIND (MAX)	7.5	7.0
WIND (MIN)	-21.5	-3.5

- FOUNDATION HAS BEEN DESIGNED FOR A LIVE LOAD OF 150 PSF.
- FRAME REACTIONS INCLUDE BOTH PRINCIPLE DIRECTIONS AND ORTHOGONAL COMBINATION EFFECTS.

GENERAL NOTES

- PLEASE SEE SOILS REPORT FOR ADDITIONAL SPECIFICATIONS AND RECOMMENDATIONS. IT IS THE DESIGN-BUILDER'S RESPONSIBILITY TO OBTAIN A COPY OF THE SOILS REPORT FROM THE OWNER OR OWNERS REPRESENTATIVE.
- NOT USED
- FOR GENERAL STRUCTURAL NOTES, SEE SHEETS 00-S-002 AND STANDARD SPECIFICATIONS.
- VERIFY ALL DIMENSIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- ALL LAP SPLICES TO BE CLASS B PER DETAIL 1/00-S-101.
- SUBMIT EQUIPMENT WEIGHT FOR REVIEW PRIOR TO INSTALLATION. SEE DETAIL 1/00-S-105 FOR TYPICAL INTERIOR EQUIPMENT PADS AND DETAIL 10/00-S-105 FOR TYPICAL EXTERIOR EQUIPMENT PADS. LOCATION AND SIZE OF EQUIPMENT PADS TO BE COORDINATED WITH MECHANICAL/ELECTRICAL/PLUMBING DRAWINGS. EQUIPMENT ANCHORAGE PER PROJECT SPECIFICATIONS.
- REFER TO MECHANICAL/ELECTRICAL/PLUMBING DRAWINGS FOR SIZE AND LOCATIONS OF PIPE PENETRATIONS AND WALL OPENINGS. SEE DETAIL 9/00-S-101 FOR TYPICAL REINFORCEMENT REQUIREMENTS. COORDINATE PIPE PENETRATION SEAL WITH MECHANICAL ENGINEER OF RECORD.
- COORDINATE LOCATION AND DETAILING FOR ATTACHMENT OF MECHANICAL SUPPORTS WITH BUILDING MANUFACTURER AND MECHANICAL ENGINEER OF RECORD PRIOR TO INSTALLATION.
- COORDINATE ALL INTERIOR WALLS WITH ARCHITECTURAL DRAWINGS. SEE SHEET 00-S-106 AND PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- COORDINATE COLUMN SIZE, LOCATION, AND ATTACHMENT WITH BUILDING MANUFACTURER PRIOR TO INSTALLATION.
- SEE DETAIL 2/00-S-102 FOR TYP MAT SLAB ON GRADE.
- COORDINATION NOTES: COLD-FORMED STEEL BEAM AT ELECTRICAL ROOM IS SUPPORTED BY PEMB COLUMNS. COORDINATE LOCATION, LOADS AND ATTACHMENT DETAILS AS REQUIRED.



5/19/2020
DATE

ISSUED FOR CONSTRUCTION
REVISONS AND RECORD OF USE

0
NO. BY

0
CHK APP

REGISTERED PROFESSIONAL ENGINEER
ASHLEY R. ASHLEY
55258
STRUCTURAL
STATE OF CALIFORNIA

ASHLEY & VANCE
ENGINEERING, INC.

JOINT VENTURE

BLACK & VEATCH

FILANC

CITY OF MORRO BAY
FILANC BLACK & VEATCH DB PROPOSAL
WATER RECLAMATION FACILITY (WRF)

RO/UV BUILDING
STRUCTURAL
PLAN

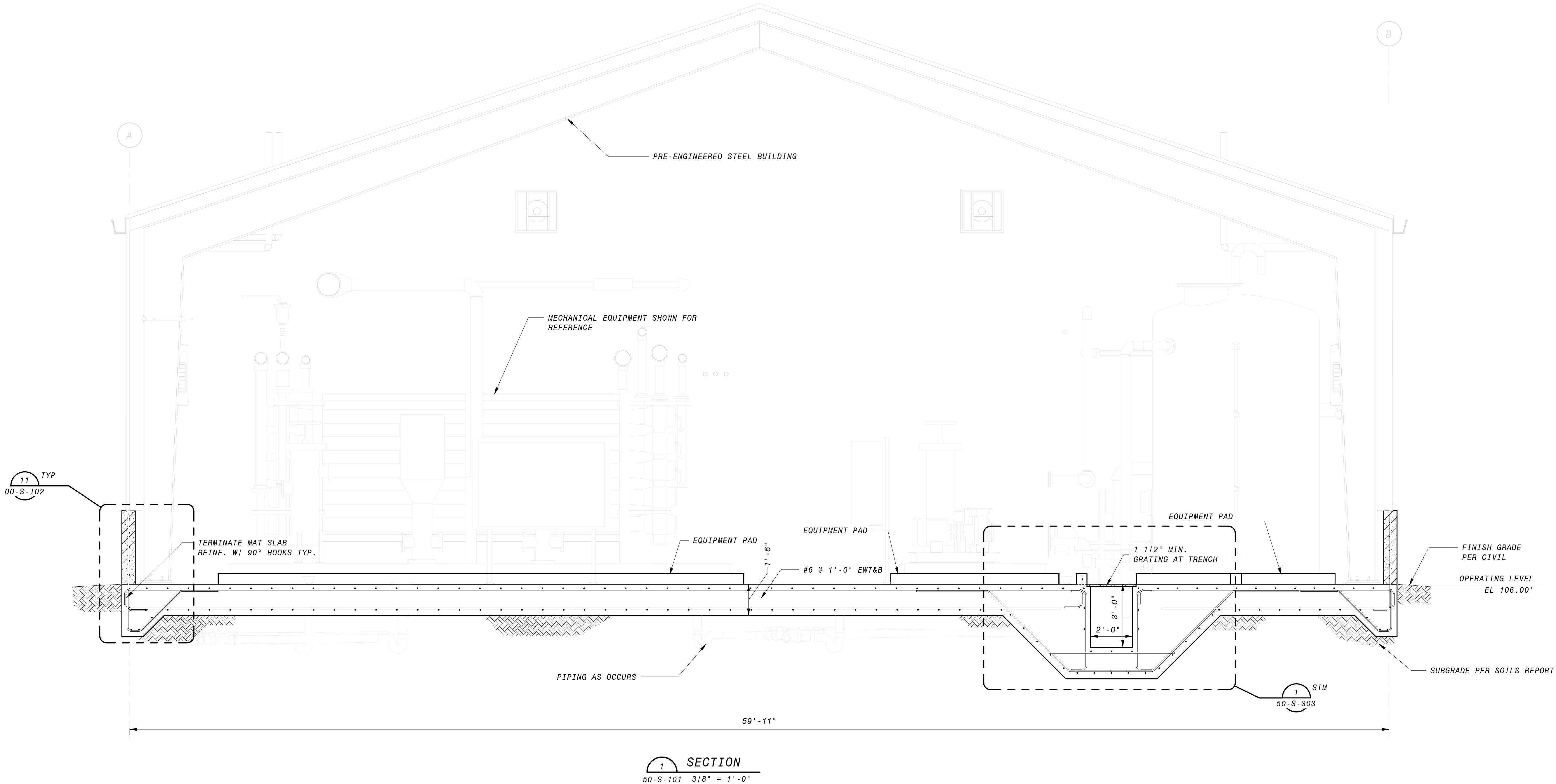
DESIGNED: M. MARSH
DETAILED: S. BENJAMIN
CHECKED: I. SHOEBRIDGE
APPROVED: C. ASHLEY
DATE: 5/19/2020

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

PROJECT NO.
81203

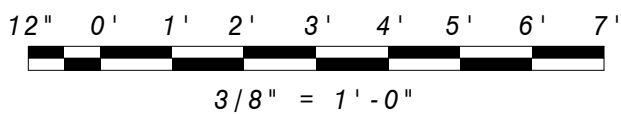
50-S-101
SHEET
195 OF 412

PLOTTED: 5/19/2020 2:16:55 PM
D40630



GENERAL SECTION NOTES

- FOR GENERAL STRUCTURAL NOTES, SEE SHEETS 00-S-002 AND STANDARD SPECIFICATIONS.
- REINFORCEMENT CLEAR COVER TO BE 2" EF FOR WALLS, 2" AT TOP OF SLABS, AND 3" AT BOTTOM OF SLABS, TYP., UNO
- ALL LAP SPLICES TO BE CLASS B PER DETAIL 1/00-S-101.
- REFER TO MECHANICAL DRAWINGS FOR SIZE AND LOCATIONS OF PIPE PENETRATIONS AND WALL OPENINGS. SEE DETAIL 9/00-S-101 FOR TYPICAL REINFORCEMENT REQUIREMENTS. COORDINATE PIPE PENETRATION SEAL WITH MECHANICAL EOR (WHERE OCCURS).
- SUBMIT EQUIPMENT WEIGHT FOR REVIEW PRIOR TO INSTALLATION. SEE DETAIL 1/00-S-105 FOR TYPICAL INTERIOR EQUIPMENT PADS AND DETAIL 10/00-S-105 FOR TYPICAL EXTERIOR EQUIPMENT PADS. LOCATION AND SIZE OF EQUIPMENT PADS TO BE COORDINATED WITH MECHANICAL/ELECTRICAL/PLUMBING DRAWINGS. EQUIPMENT ANCHORAGE PER PROJECT SPECIFICATIONS.
- COORDINATE LOCATION AND DETAILING FOR ATTACHMENT OF MECHANICAL SUPPORTS WITH BUILDING MANUFACTURER AND MECHANICAL ENGINEER OF RECORD PRIOR TO INSTALLATION.
- COORDINATE ALL INTERIOR WALLS WITH ARCHITECTURAL DRAWINGS. SEE SHEET 00-S-106 AND PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- STEEL BAR GRATING. REFER TO METAL GRATINGS, SPECIFICATION 05 53 13 FOR ADDITIONAL INFORMATION.



CITY OF MORRO BAY
FILANC BLACK & VEATCH DB PROPOSAL
WATER RECLAMATION FACILITY (WRF)

ROJUV BUILDING
STRUCTURAL
SECTION AND DETAIL

DESIGNED: M. MARSH
DETAILED: S. BENJAMIN
CHECKED: I. SHOEBRIDGE
APPROVED: C. ASHLEY
DATE: 5/19/2020

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

PROJECT NO.
81203

50-S-301
SHEET
196 OF 412

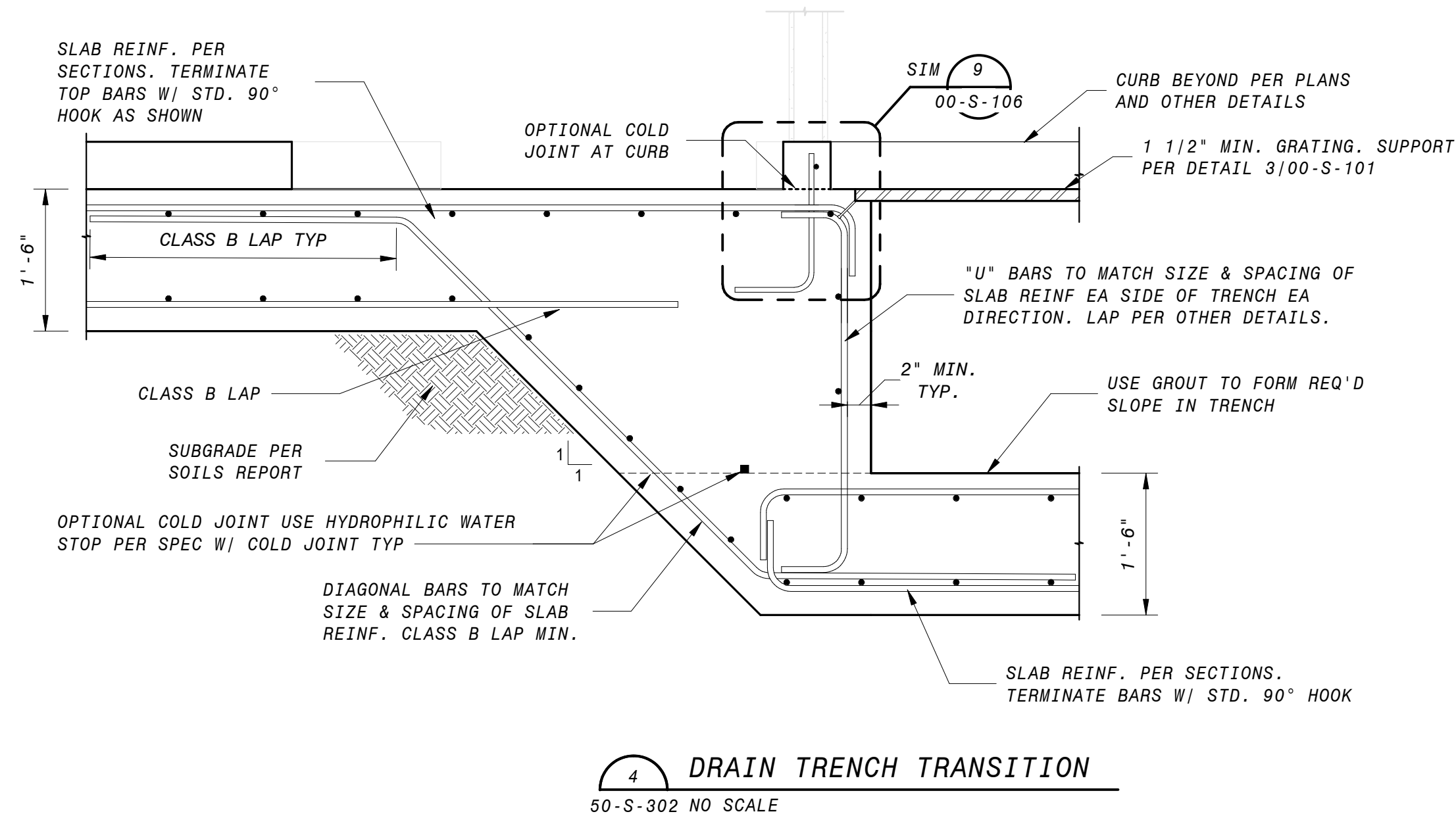
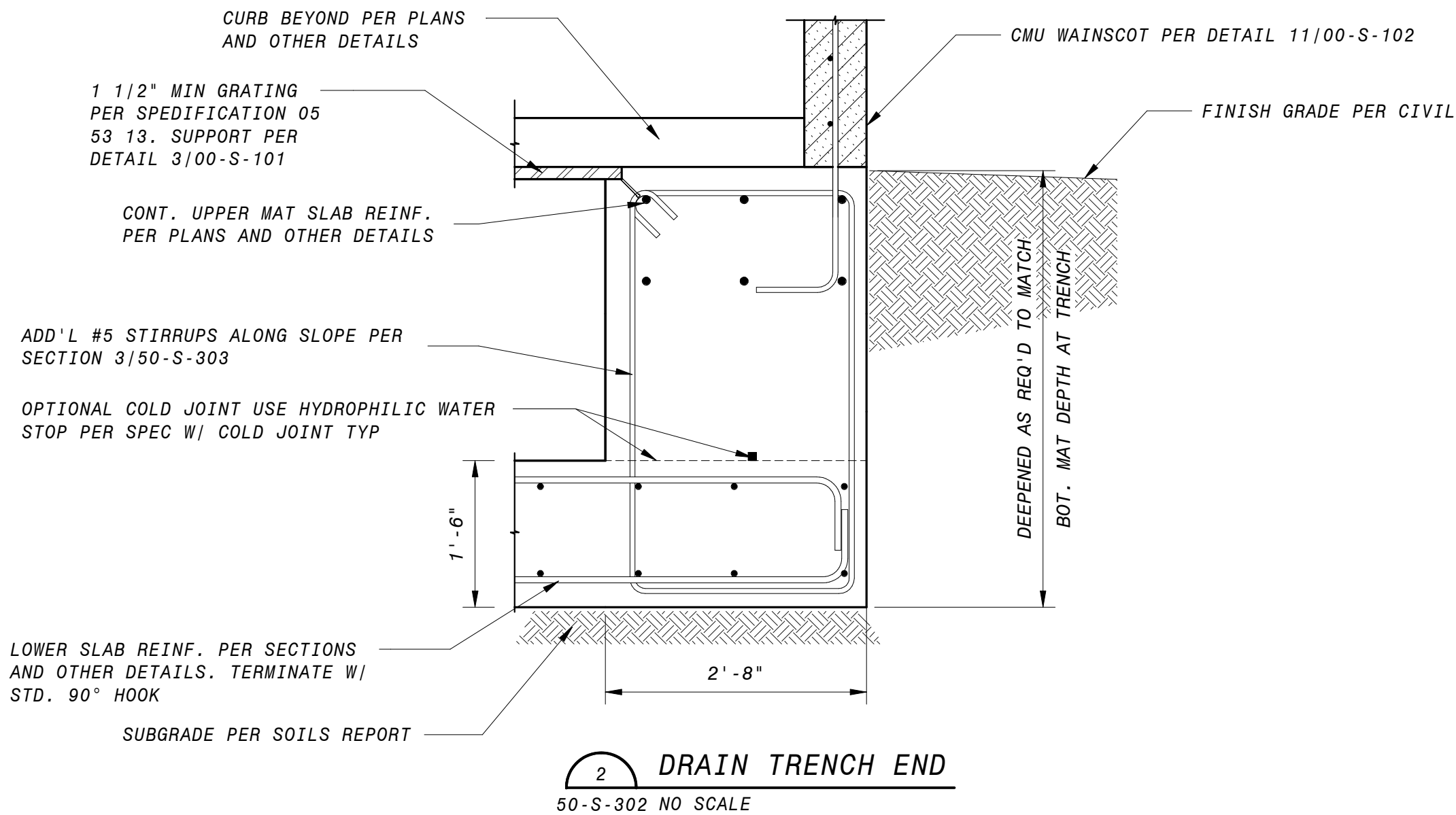
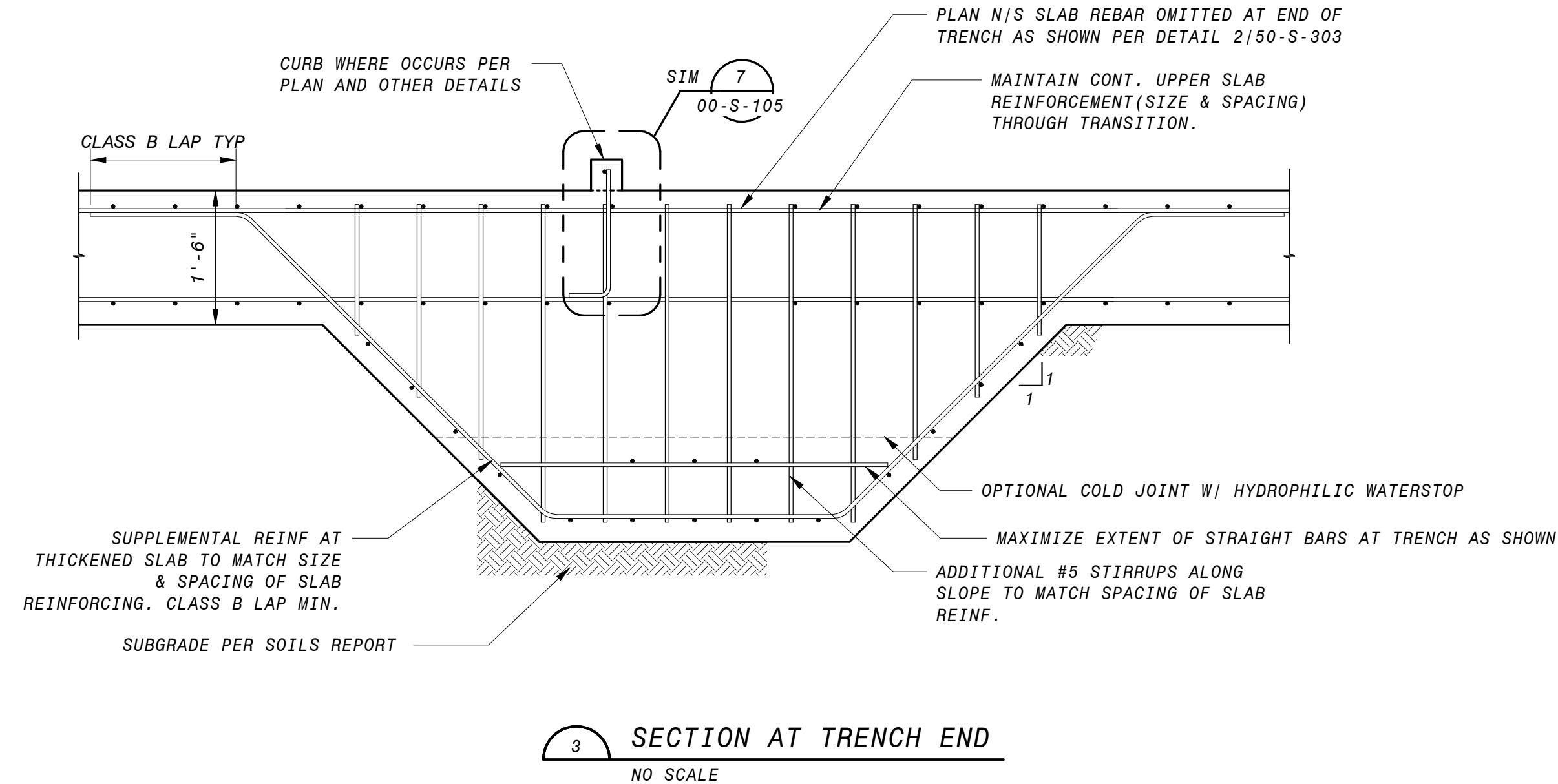
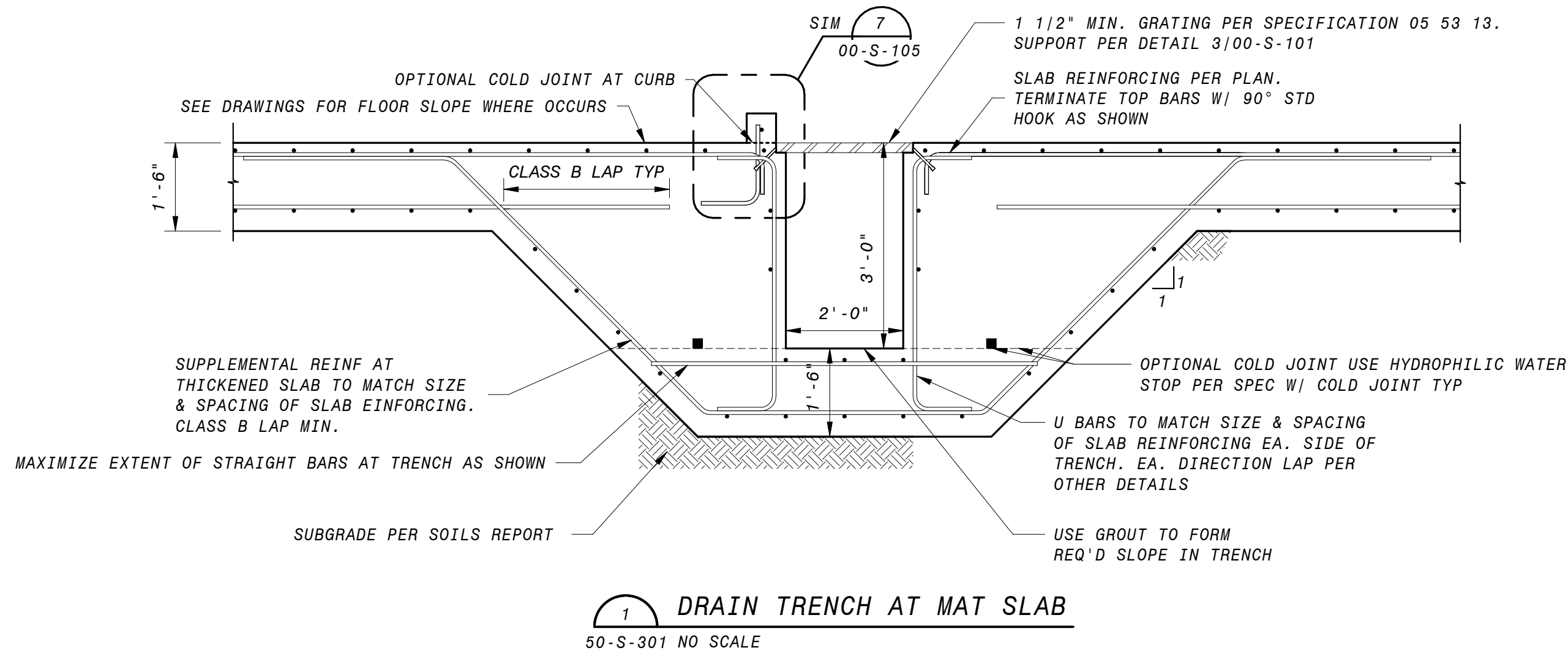


Ashley & Vance
ENGINEERING, INC.
JOINT VENTURE
BLACK & VEATCH
FILANC

NO.	BY	DATE	REVISIONS AND RECORD OF USE
0		5/19/2020	ISSUED FOR CONSTRUCTION



-
- 12" 0' 1' 2' 3' 4' 5' 6' 7'
- $\frac{3}{8}" = 1'-0"$



Ashley Vance
ENGINEERING, INC.

JOINT VENTURE

FILANC
BLACK & VEATCH

CITY OF MORRO BAY
FILANC BLACK & VEATCH DB PROPOSAL
WATER RECLAMATION FACILITY (WRF)

ROJUV BUILDING
STRUCTURAL
DETAILS

DESIGNED: M. MARSH
DETAILED: S. BENJAMIN
CHECKED: I. SHOEBRIDGE
APPROVED: C. ASHLEY
DATE: 5/19/2020

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


PROJECT NO.
81203

50-S-303
SHEET
198 OF 412



PRODUCT WATER AREA
CALCITE CONTACTORS
STRUCTURAL
3D VIEW

0 1/2 1

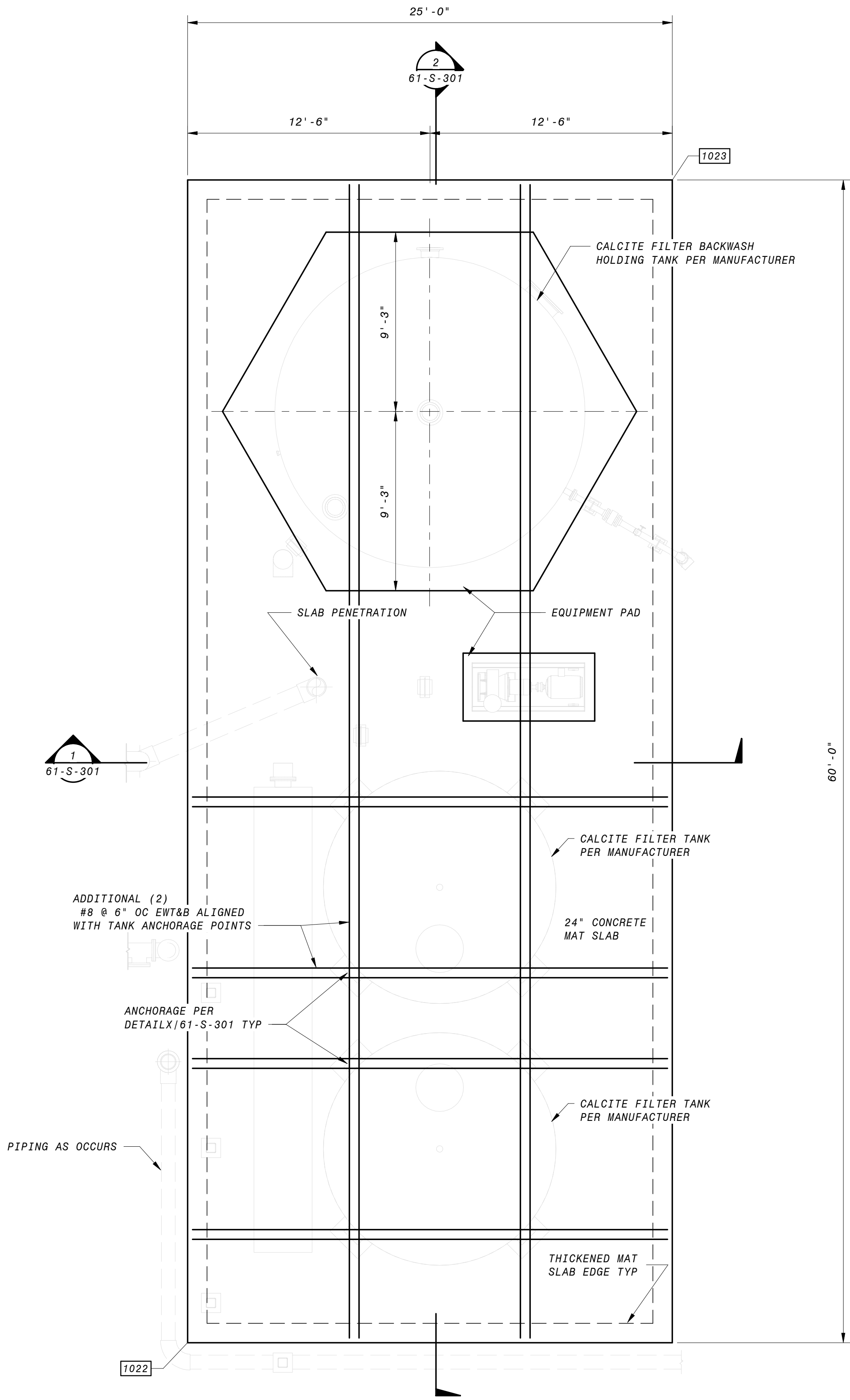


IF THIS BAR DOES NOT
MEASURE 1" THEN DRAWING IS
NOT TO FULL SCALE

61-S-001
SHEET
199 OF 412

[illegible]

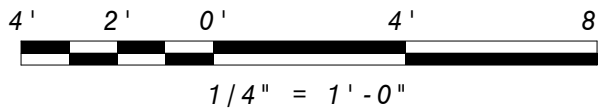
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0400530



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

GENERAL STRUCTURAL NOTES

- PLEASE SEE SOILS REPORT FOR ADDITIONAL SPECIFICATIONS AND RECOMMENDATIONS. IT IS THE DESIGN BUILDER'S RESPONSIBILITY TO OBTAIN A COPY OF THE SOILS REPORT FROM THE OWNER OR OWNERS REPRESENTATIVE.
- NOT USED
- FOR GENERAL STRUCTURAL NOTES, SEE SHEETS 00-S-002 AND STANDARD SPECIFICATIONS.
- VERIFY ALL DIMENSIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- OUTSIDE LAYER OF MAT SLAB REINFORCEMENT TO BE PLACED IN THE LONG DIRECTION. INSIDE LAYER OF MAT SLAB REINFORCEMENT TO BE PLACED IN THE SHORT DIRECTION. TYPICAL, UNLESS NOTED OTHERWISE.
- ALL LAP SPLICES TO BE CLASS B PER DETAIL 1/00-S-101
- SUBMIT EQUIPMENT WEIGHT FOR REVIEW PRIOR TO INSTALLATION. SEE DETAIL 1/00-S-105 FOR TYPICAL EQUIPMENT PADS. LOCATION AND SIZE OF EQUIPMENT PADS TO BE COORDINATED WITH MECHANICAL/ELECTRICAL/PLUMBING DRAWINGS. EQUIPMENT ANCHORAGE PER PROJECT SPECIFICATIONS.
- REFER TO MECHANICAL/ELECTRICAL/PLUMBING DRAWINGS FOR SIZE AND LOCATIONS OF PIPE PENETRATIONS. SEE DETAIL 9/00-S-101 FOR TYPICAL REINFORCEMENT REQUIREMENTS. COORDINATE PIPE PENETRATION SEAL WITH MECHANICAL ENGINEER OF RECORD.
- SEE DETAIL 2/00-S-102 FOR TYP MAT SLAB ON GRADE.
- ALL SLAB REINFORCEMENT MUST TERMINATE WITH A STANDARD 90° HOOK PER DETAIL 5/00-S-101.
- FOR TYPICAL MAT SLAB EDGE, REFER TO DETAIL 13/00-S-102.
- DIMENSIONS INDICATED ARE APPROXIMATE AND MAY VARY BASED ON MANUFACTURER REQUIREMENTS. COORDINATE AS REQUIRED.



CITY OF MORRO BAY
FILANC BLACK & VEATCH DB PROPOSAL
MORRO BAY WRF
PRODUCT WATER AREA
CALCITE CONTACTORS
STRUCTURAL
PLAN

DESIGNED: M. MARSH
DETAILED: S. BENJAMIN
CHECKED: I. SHOEBRIDGE
APPROVED: C. ASHLEY
DATE: 5/19/2020

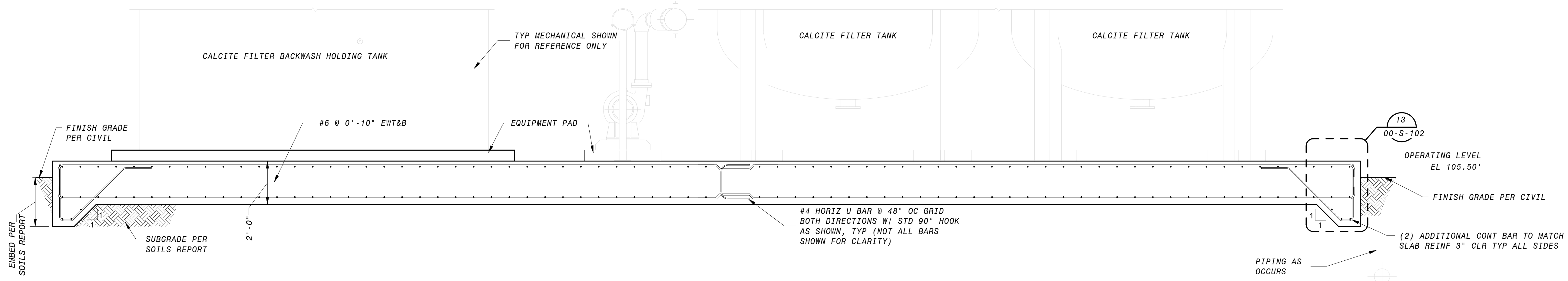
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IF THIS BAR DOES NOT
MEASURE 1" THEN DRAWING IS
NOT TO FULL SCALE

PROJECT NO.
400530

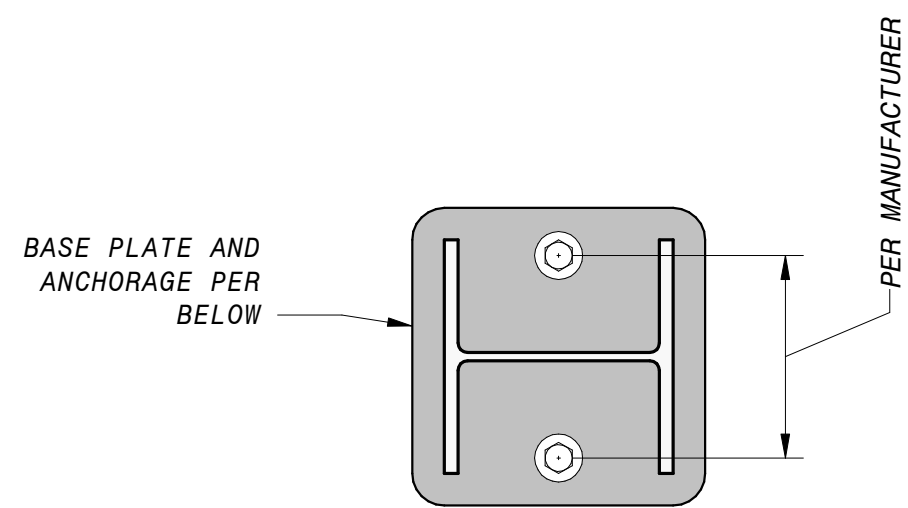
61-S-101
SHEET
200 OF 412



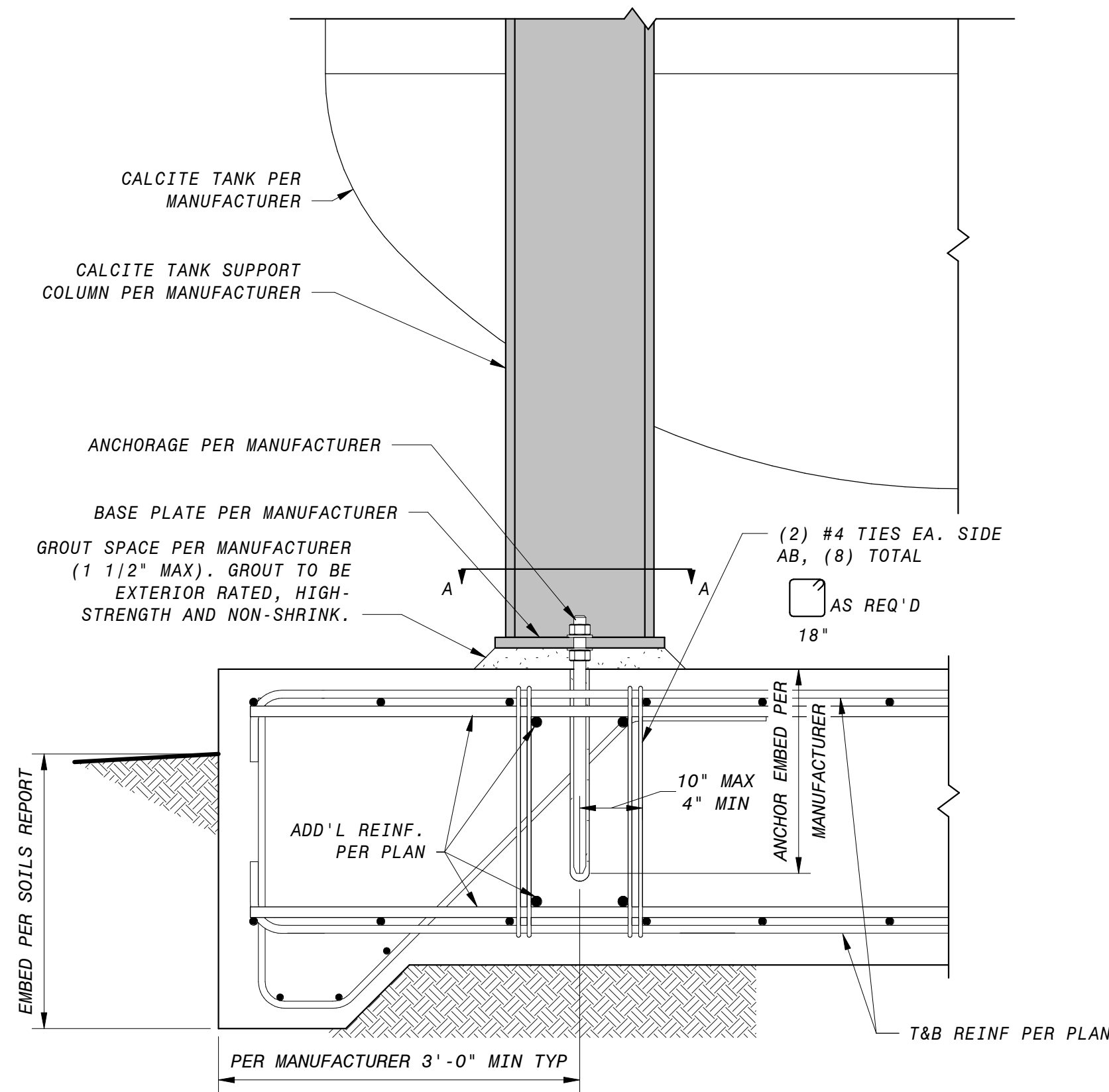
NO.	BY	DATE	REVISIONS AND RECORD OF USE
0		5/19/2020	ISSUED FOR CONSTRUCTION



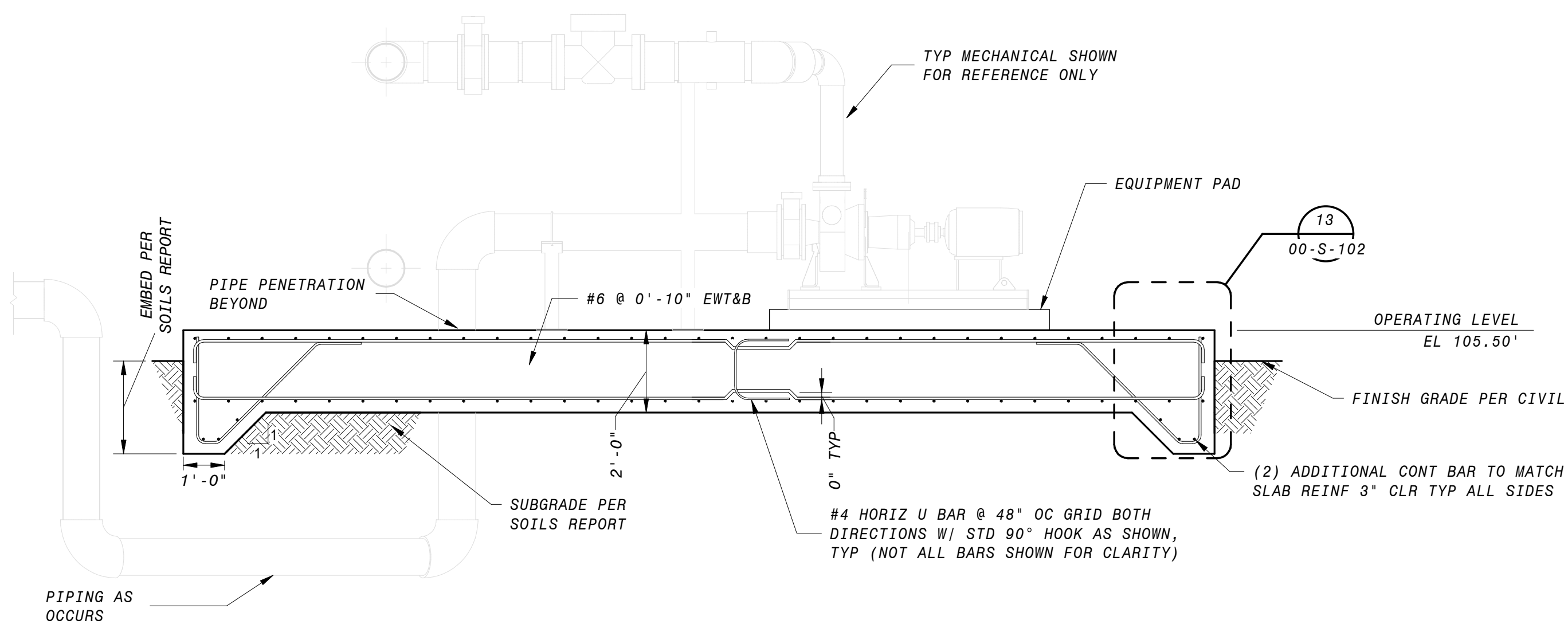
SECTION
2
61-S-101 3/8" = 1'-0"



SECTION A-A



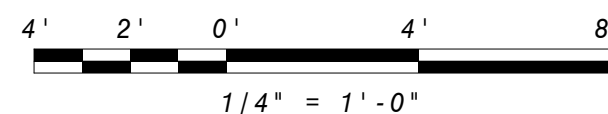
SECTION
3
CALCITE FILTER TANK TO FOUNDATION
1" = 1'-0"



SECTION
1
61-S-101 3/8" = 1'-0"

GENERAL SECTION NOTES

1. FOR GENERAL STRUCTURAL NOTES, SEE SHEETS 00-S-002 AND STANDARD SPECIFICATIONS.
2. REINFORCEMENT CLEAR COVER TO BE 2" EF FOR WALLS, 2" AT TOP OF SLABS, AND 3" AT BOTTOM OF SLABS, TYP., UNO
3. ALL LAP SPLICES TO BE CLASS B PER DETAIL 1/00-S-101.
4. REFER TO MECHANICAL DRAWINGS FOR SIZE AND LOCATIONS OF PIPE PENETRATIONS.
SEE DETAIL 9/00-S-101 FOR TYPICAL REINFORCEMENT REQUIREMENTS. COORDINATE PIPE PENETRATION SEAL WITH MECHANICAL EOR (WHERE OCCURS).
5. SUBMIT EQUIPMENT WEIGHT FOR REVIEW PRIOR TO INSTALLATION. SEE DETAIL 1/00-S-105 FOR TYPICAL EQUIPMENT PADS. LOCATION & SIZE OF EQUIPMENT PADS TO BE COORDINATED WITH MECHANICAL/ELECTRICAL/PLUMBING DRAWINGS. EQUIPMENT ANCHORAGE PER PROJECT SPECIFICATIONS.
6. ALL SLAB REINFORCEMENT MUST TERMINATE WITH A STANDARD 90° HOOK PER DETAIL 05/00-S-101.
7. FOR TYPICAL MAT SLAB EDGE, REFER TO DETAIL 13/00-S-102.



CITY OF MORRO BAY
FILANC BLACK & VEATCH DB PROPOSAL
MORRO BAY WRF
PRODUCT WATER AREA
CALCITE CONTACTOR
STRUCTURAL SECTIONS

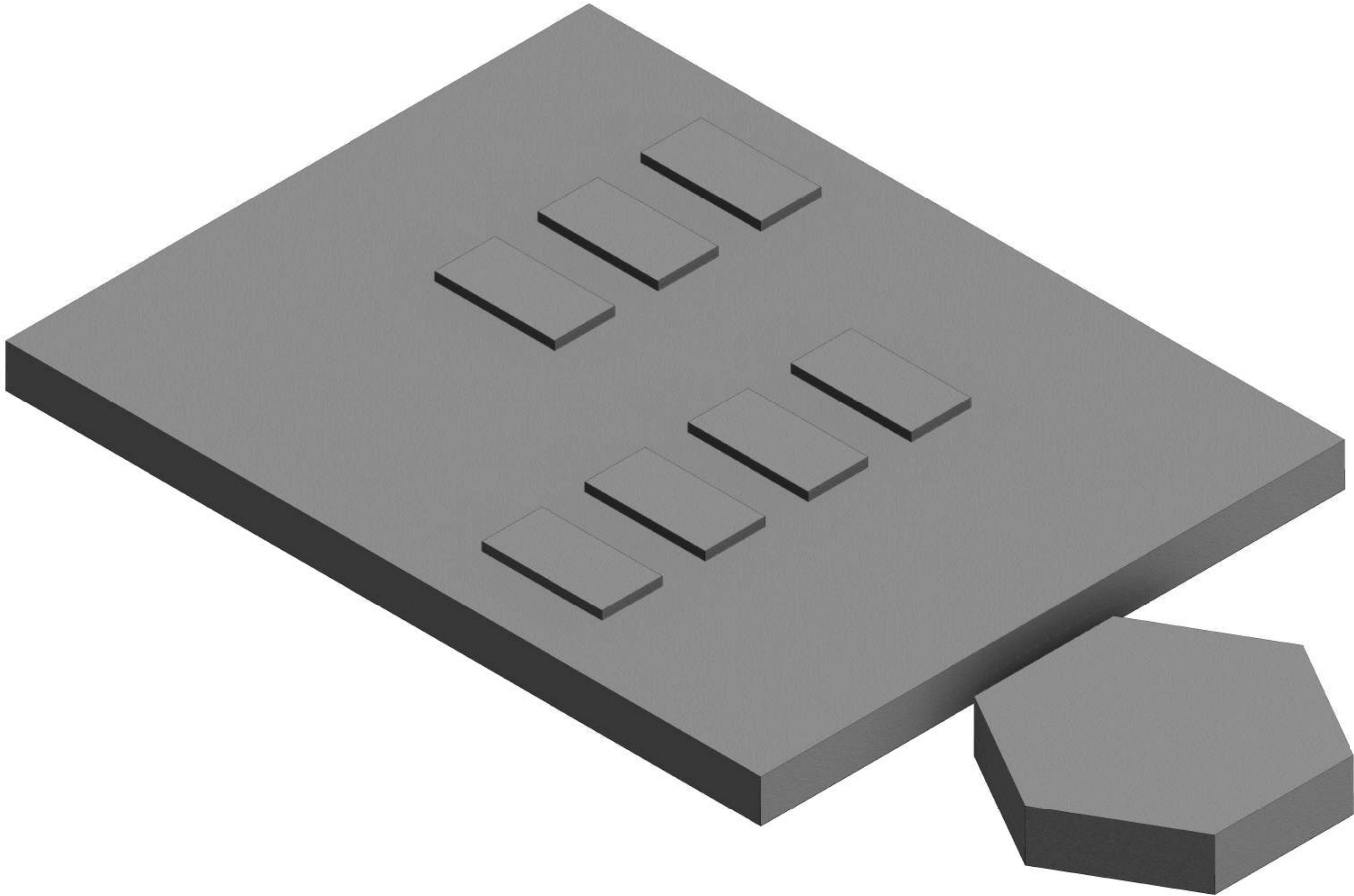
DESIGNED: M. MARSH
DETAILED: S. BENJAMIN
CHECKED: I. SHOEBRIDGE
APPROVED: C. ASHLEY
DATE: 5/19/2020

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

PROJECT NO.
400530

61-S-301
SHEET
201 OF 412

04/05/30
PLOTTED: 5/19/2020 3:03:47 PM



3D VIEW - EAST

DESIGNED: M. MARSH
DETAILED: S. BENJAMIN
CHECKED: I. SHOEBRIDGE
APPROVED: C. ASHLEY
DATE: 5/19/2020

01/21

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

PROJECT NO.
400530

63-S-001
SHEET
202 OF 412

CITY OF MORRO BAY
FILANC BLACK & VEATCH DB PROPOSAL
MORRO BAY WRF

PRODUCT WATER AREA
IPR AND OUTFALL PUMP STATION
STRUCTURAL
3D VIEW

 Ashley & Vance
ENGINEERING, INC.

JOINT VENTURE

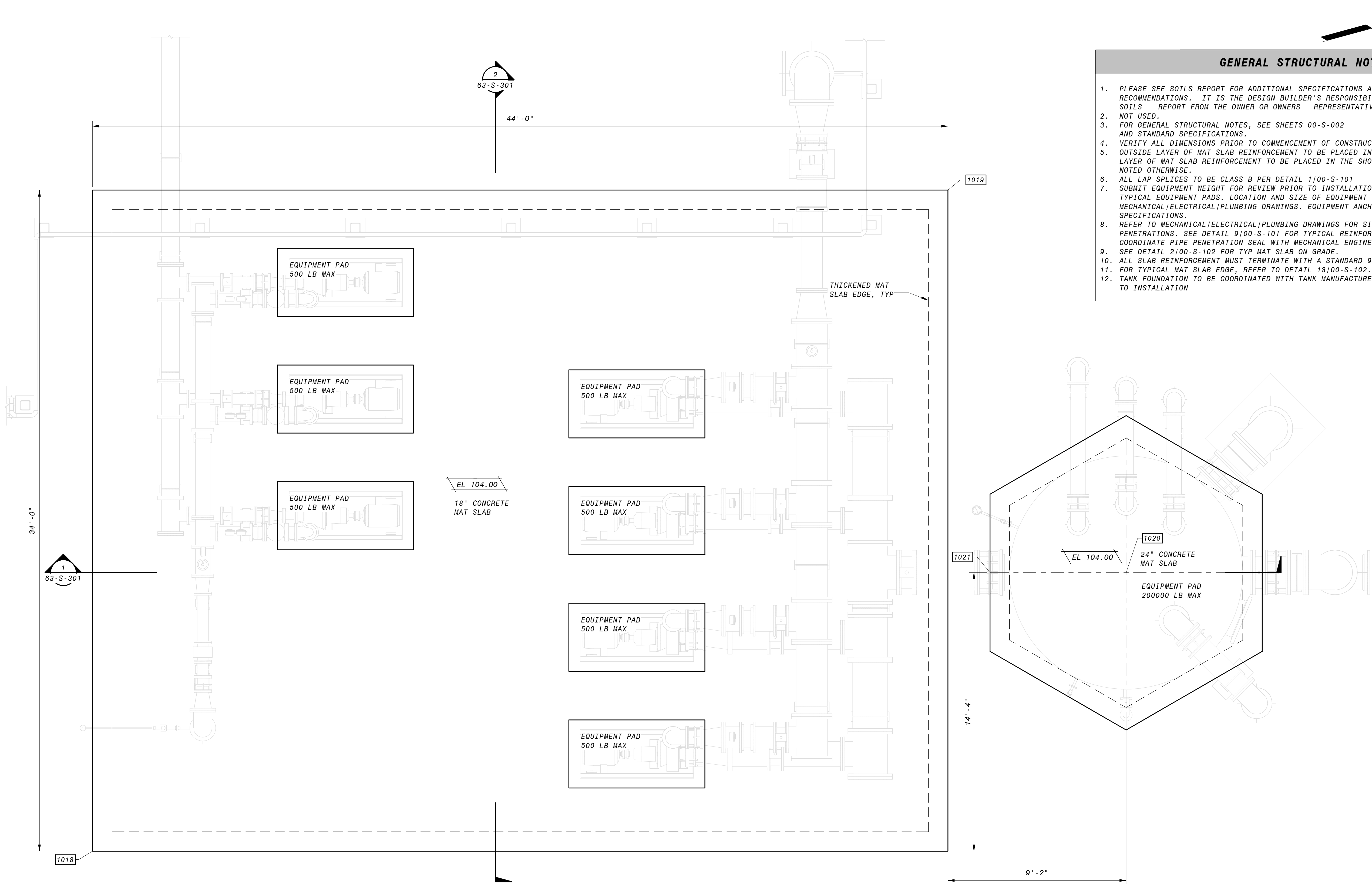
 FILANC

 BLACK & VEATCH



3/19/2020	DATE	ISSUED FOR CONSTRUCTION	REV	BY	CHK	APP
REVISONS AND RECORD OF USE			0	NO.	BY	CHK APP

PLOTTED: 5/19/2020 3:03:48 PM
0400530



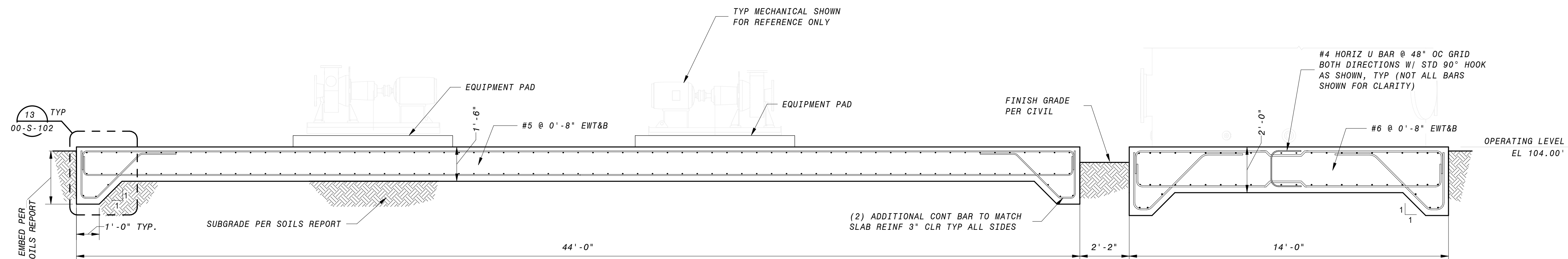
OPERATING FLOOR PLAN

3/8" = 1'-0"

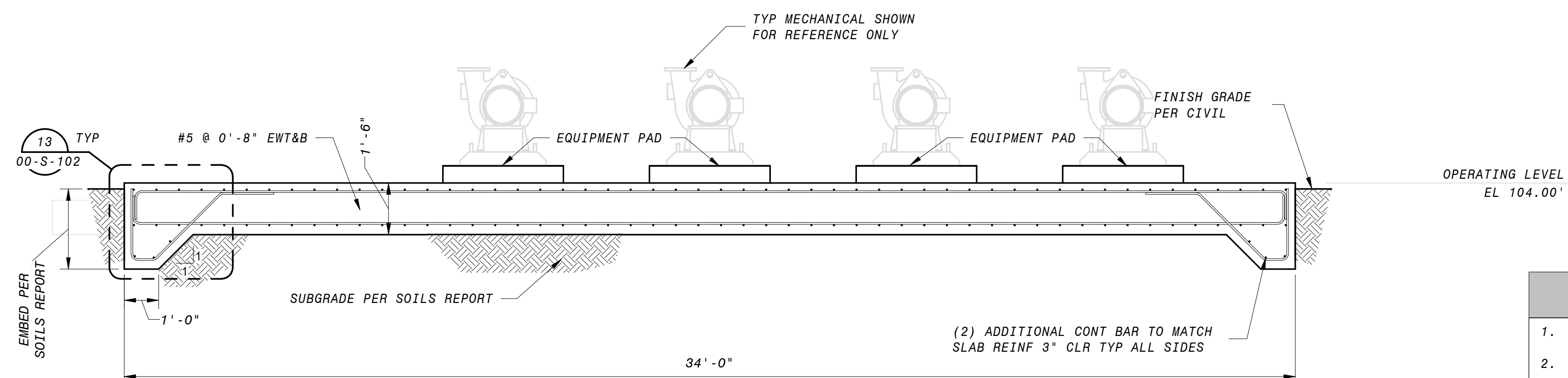
GENERAL STRUCTURAL NOTES

1. PLEASE SEE SOILS REPORT FOR ADDITIONAL SPECIFICATIONS AND RECOMMENDATIONS. IT IS THE DESIGN BUILDER'S RESPONSIBILITY TO OBTAIN A COPY OF THE SOILS REPORT FROM THE OWNER OR OWNERS REPRESENTATIVE.
2. NOT USED.
3. FOR GENERAL STRUCTURAL NOTES, SEE SHEETS 00-S-002 AND STANDARD SPECIFICATIONS.
4. VERIFY ALL DIMENSIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
5. OUTSIDE LAYER OF MAT SLAB REINFORCEMENT TO BE PLACED IN THE LONG DIRECTION. INSIDE LAYER OF MAT SLAB REINFORCEMENT TO BE PLACED IN THE SHORT DIRECTION. TYPICAL, UNLESS NOTED OTHERWISE.
6. ALL LAP SPLICES TO BE CLASS B PER DETAIL 1/00-S-101
7. SUBMIT EQUIPMENT WEIGHT FOR REVIEW PRIOR TO INSTALLATION. SEE DETAIL 1/00-S-105 FOR TYPICAL EQUIPMENT PADS. LOCATION AND SIZE OF EQUIPMENT PADS TO BE COORDINATED WITH MECHANICAL/ELECTRICAL/PLUMBING DRAWINGS. EQUIPMENT ANCHORAGE PER PROJECT SPECIFICATIONS.
8. REFER TO MECHANICAL/ELECTRICAL/PLUMBING DRAWINGS FOR SIZE AND LOCATIONS OF PIPE PENETRATIONS. SEE DETAIL 9/00-S-101 FOR TYPICAL REINFORCEMENT REQUIREMENTS. COORDINATE PIPE PENETRATION SEAL WITH MECHANICAL ENGINEER OF RECORD.
9. SEE DETAIL 2/00-S-102 FOR TYP MAT SLAB ON GRADE.
10. ALL SLAB REINFORCEMENT MUST TERMINATE WITH A STANDARD 90° HOOK PER DETAIL 5/00-S-101.
11. FOR TYPICAL MAT SLAB EDGE, REFER TO DETAIL 13/00-S-102.
12. TANK FOUNDATION TO BE COORDINATED WITH TANK MANUFACTURER AND ANCHORAGE DESIGN PRIOR TO INSTALLATION

DESIGNED: M. MARSH	
DETAILED: S. BENJAMIN	
CHECKED: I. SHOEBRIDGE	
APPROVED: C. ASHLEY	
DATE: 5/19/2020	
0 1/2 1 IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE	
PROJECT NO. 400530	
63-S-101 SHEET 203 OF 412	
CITY OF MORRO BAY FILANC BLACK & VEATCH DB PROPOSAL MORRO BAY WRF PRODUCT WATER AREA IPR AND OUTFALL PUMP STATION STRUCTURAL PLAN	
JOINT VENTURE Ashley & Vance ENGINEERING, INC. BLACK & VEATCH FILANC	
3/19/2020 DATE	ISSUED FOR CONSTRUCTION REVISITONS AND RECORD OF USE
0	NO. BY
0	CHK APP



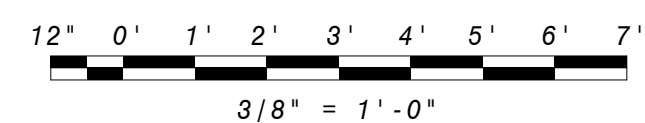
SECTION
63-S-101 3/8" = 1'-0"



SECTION
63-S-101 3/8" = 1'-0"

GENERAL SECTION NOTES

1. FOR GENERAL STRUCTURAL NOTES, SEE SHEETS 00-S-002 AND STANDARD SPECIFICATIONS.
2. REINFORCEMENT CLEAR COVER TO BE 2" EF FOR WALLS, 2" AT TOP OF SLABS, AND 3" AT BOTTOM OF SLABS, TYP. UNO
3. ALL LAP SPLICES TO BE CLASS B PER DETAIL 1/00-S-101.
4. REFER TO MECHANICAL DRAWINGS FOR SIZE AND LOCATIONS OF PIPE PENETRATIONS.
SEE DETAIL 9/00-S-101 FOR TYPICAL REINFORCEMENT REQUIREMENTS. COORDINATE PIPE PENETRATION SEAL WITH MECHANICAL EOR (WHERE OCCURS).
5. SUBMIT EQUIPMENT WEIGHT FOR REVIEW PRIOR TO INSTALLATION. SEE DETAIL 1/00-S-105 FOR TYPICAL EQUIPMENT PADS. LOCATION & SIZE OF EQUIPMENT PADS TO BE COORDINATED WITH MECHANICAL/ELECTRICAL/PLUMBING DRAWINGS. EQUIPMENT ANCHORAGE PER PROJECT SPECIFICATIONS.
6. ALL SLAB REINFORCEMENT MUST TERMINATE WITH A STANDARD 90° HOOK PER DETAIL 05/00-S-101.
7. FOR TYPICAL MAT SLAB EDGE, REFER TO DETAIL 13/00-S-102.



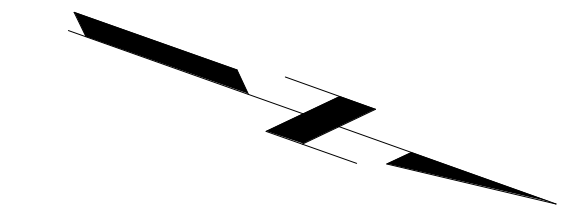
CITY OF MORRO BAY
FILANC BLACK & VEATCH DB PROPOSAL
MORRO BAY WRF
PRODUCT WATER AREA
IPR AND OUTFALL PUMP STATION
STRUCTURAL
SECTIONS

DESIGNED: M. MARSH
DETAILED: S. BENJAMIN
CHECKED: I. SHOEBRIDGE
APPROVED: C. ASHLEY
DATE: 5/19/2020

NOT TO SCALE
PROJECT NO.
400530
63-S-301
SHEET
204 OF 412

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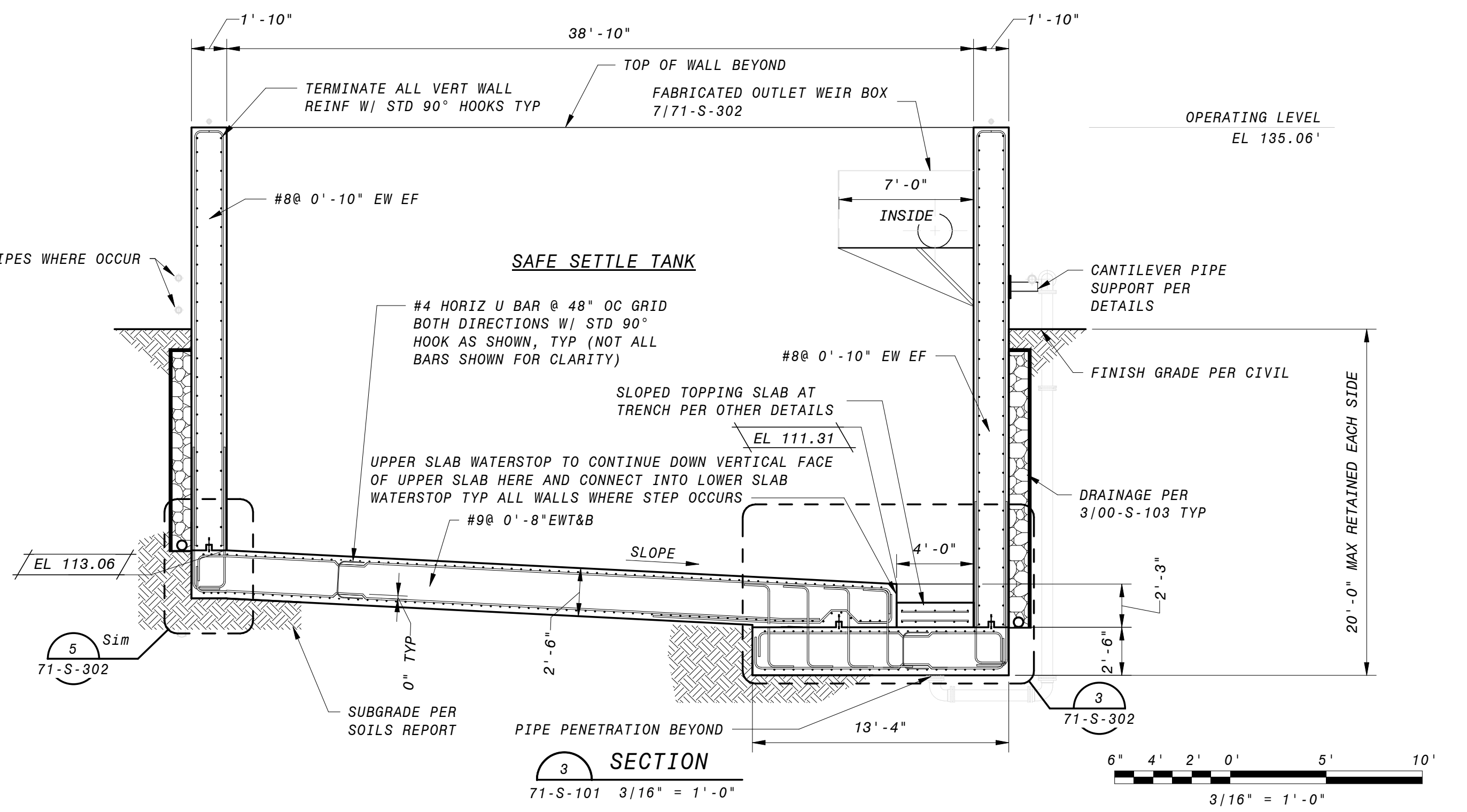
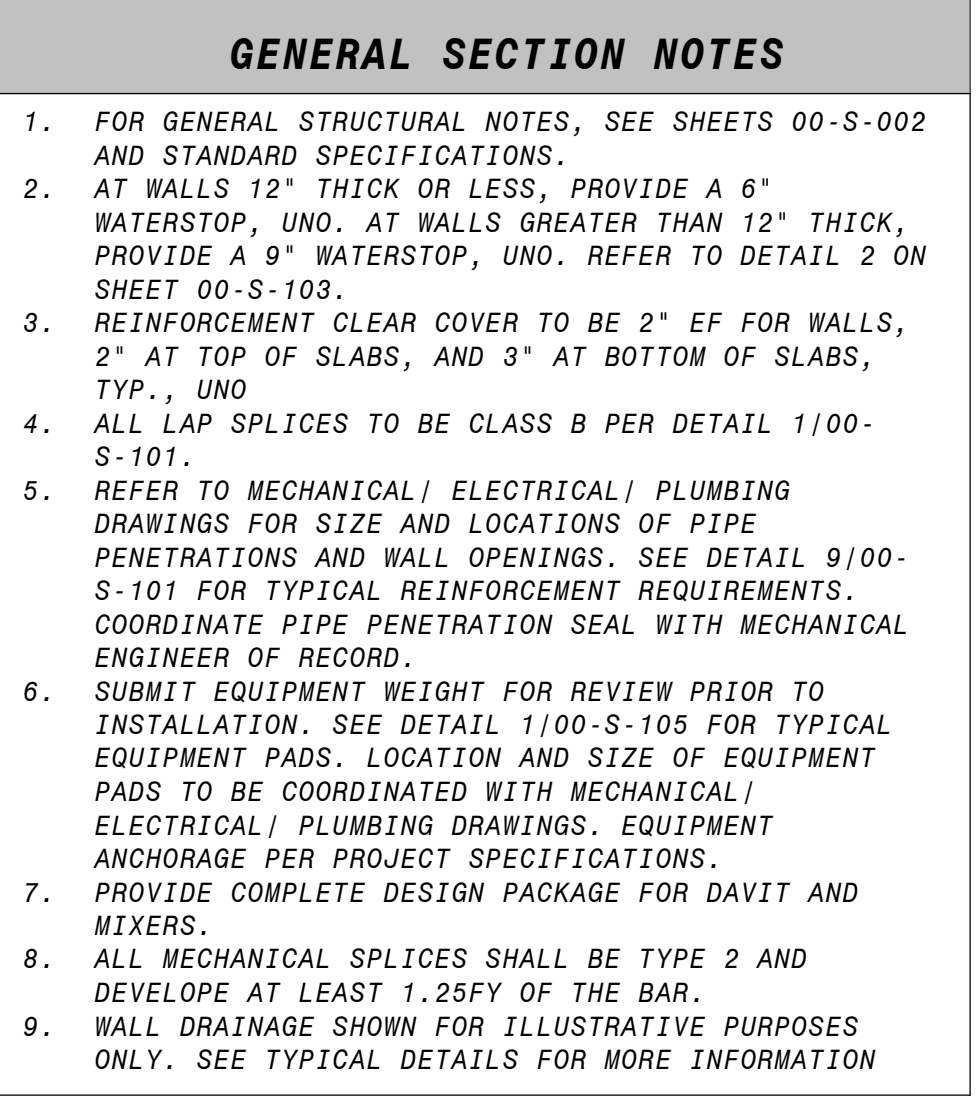
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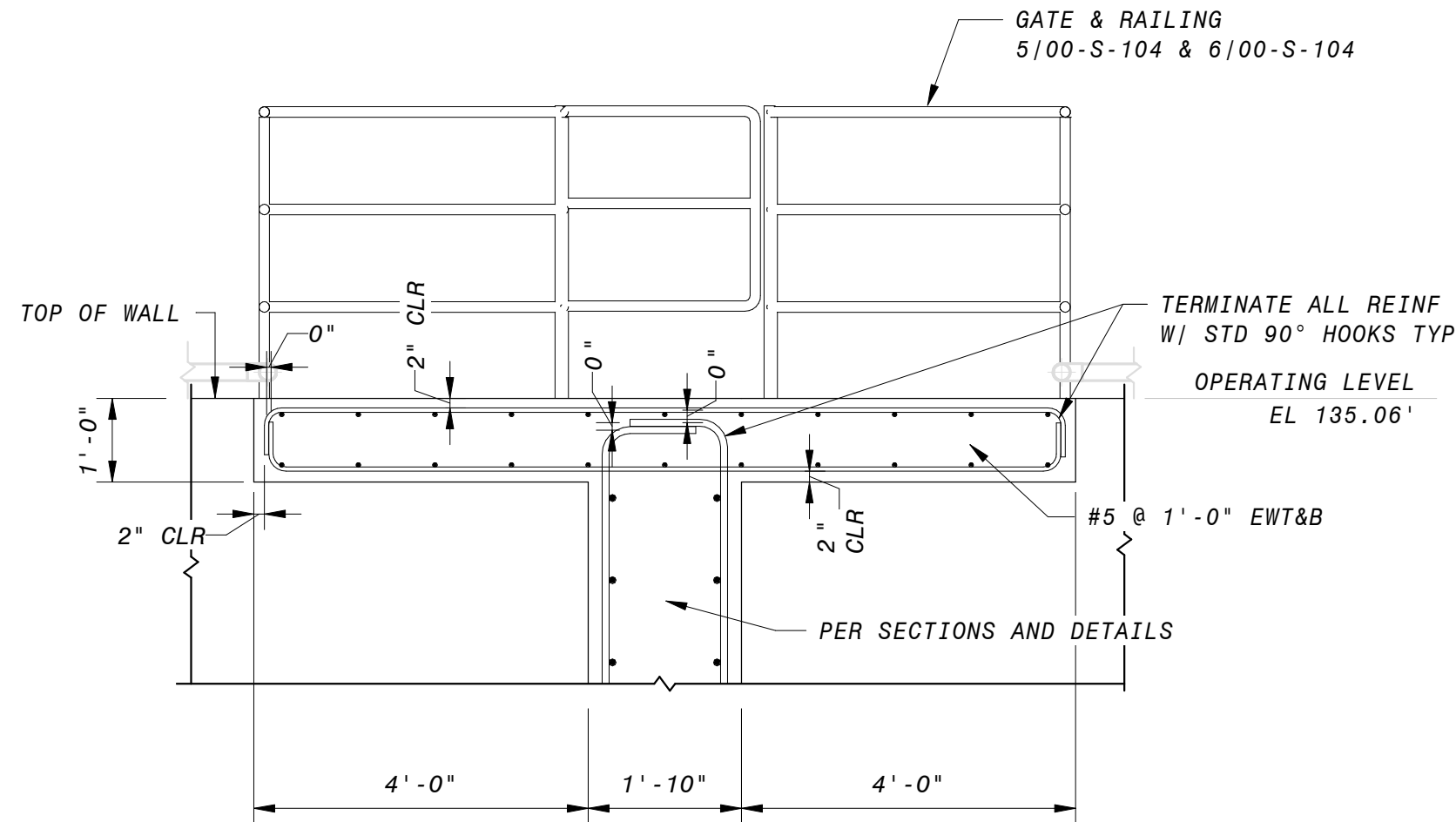

$$3/16'' = 1' - 0''$$

1. PLEASE SEE SOILS REPORT FOR ADDITIONAL SPECIFICATIONS AND RECOMMENDATIONS. IT IS THE DESIGN BUILDER'S RESPONSIBILITY TO OBTAIN A COPY OF THE SOILS REPORT FROM THE OWNER OR OWNER'S REPRESENTATIVE.
2. NOT USED.
3. FOR GENERAL STRUCTURAL NOTES, SEE SHEETS 00-S-002 AND STANDARD SPECIFICATIONS.
4. VERIFY ALL DIMENSIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
5. ALL LAP SPICES TO BE CLASS B PER DETAIL 1/00-S-101
6. SEE DETAIL 2/00-S-102 FOR TYP MAT SLAB ON GRADE.
7. SUBMIT EQUIPMENT WEIGHT FOR REVIEW PRIOR TO INSTALLATION. SEE DETAIL 1/00-S-105 FOR TYPICAL EQUIPMENT PADS. LOCATION AND SIZE OF EQUIPMENT PADS TO BE COORDINATED WITH MECHANICAL/ ELECTRICAL/ PLUMBING DRAWINGS. EQUIPMENT ANCHORAGE PER PROJECT SPECIFICATIONS.
8. REFER TO MECHANICAL/ELECTRICAL/PLUMBING DRAWINGS FOR SIZE AND LOCATIONS OF PIPE PENETRATIONS AND WALL OPENINGS. SEE DETAIL 9/00-S-101 FOR TYPICAL REINFORCEMENT REQUIREMENTS. COORDINATE PIPE PENETRATION SEAL WITH MECHANICAL ENGINEER OF RECORD.
9. PROVIDE COMPLETE DESIGN PACKAGE FOR DAVIT AND MIXERS (INCLUDING ANCHORAGE) SIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR REVIEW. CARE TO BE TAKEN TO NOT HIT REINFORCEMENT.

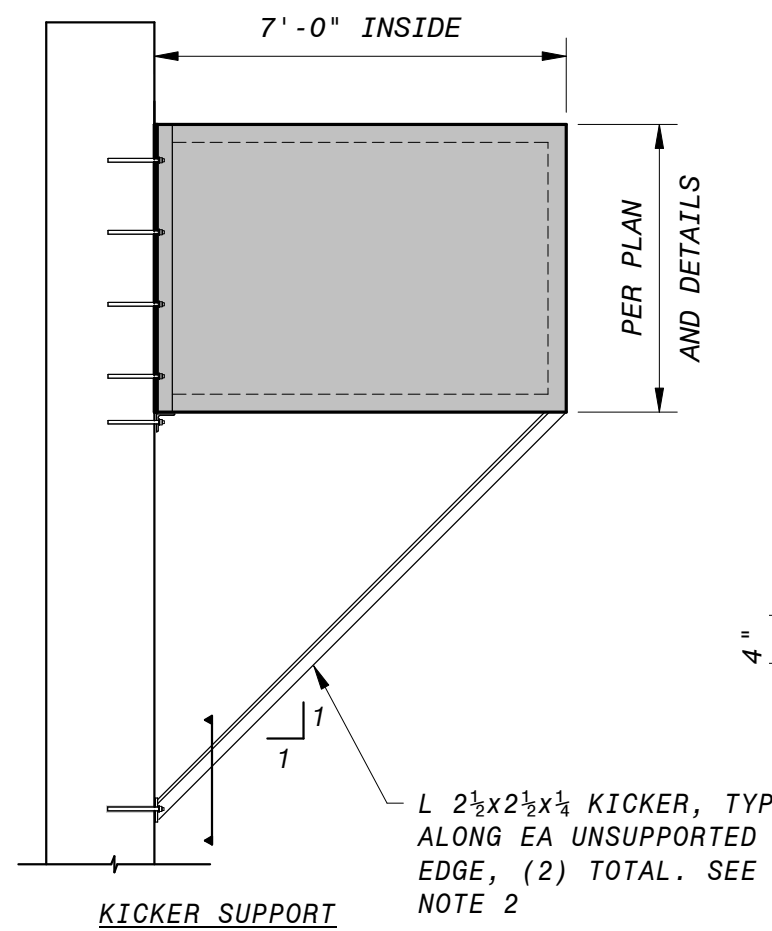
SLUDGE HOLDING TANKS AND SAFE SETTLE TANK
STRUCTURAL
PLAN

71-S-101
SHEET
206 OF 412

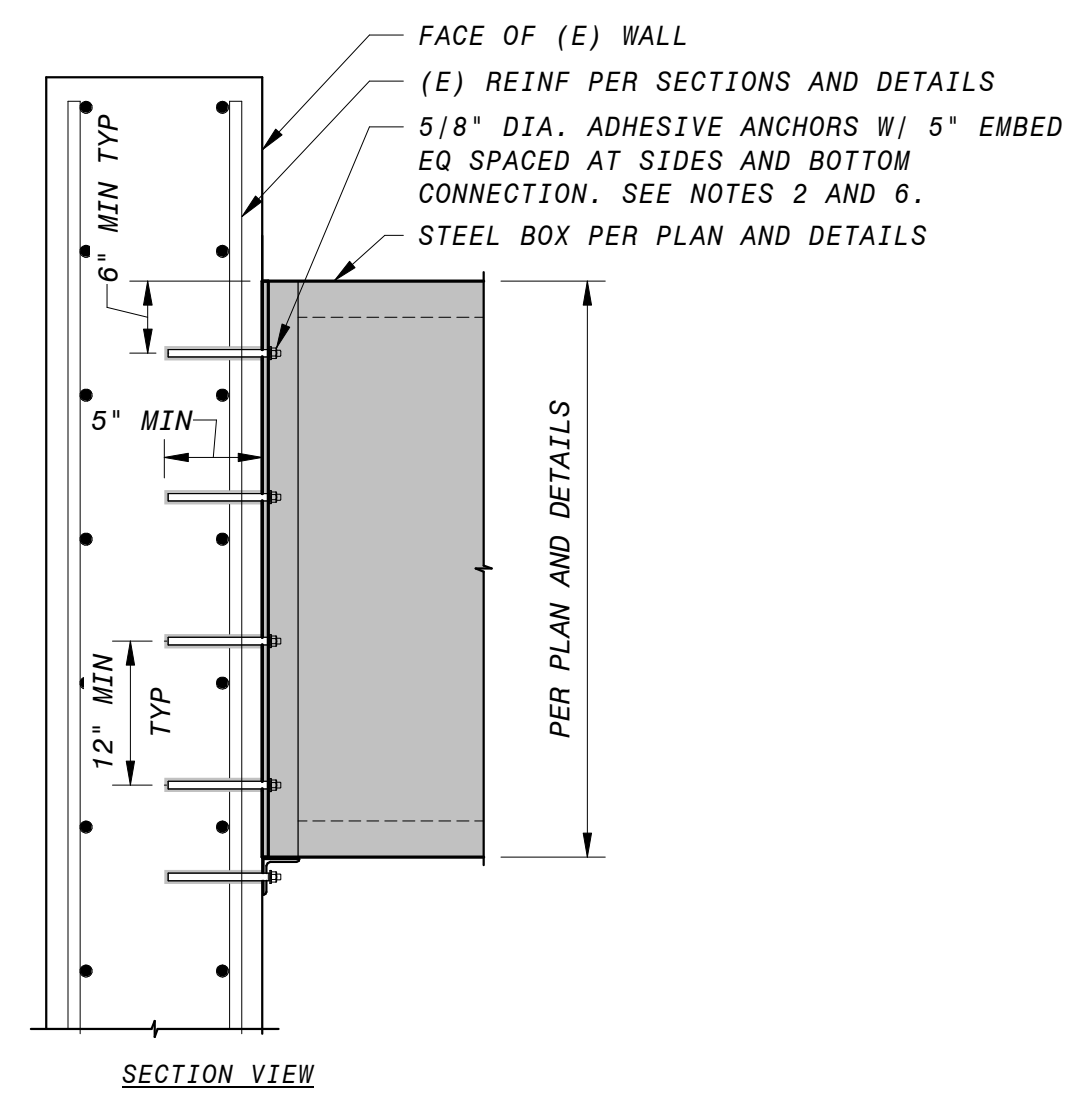




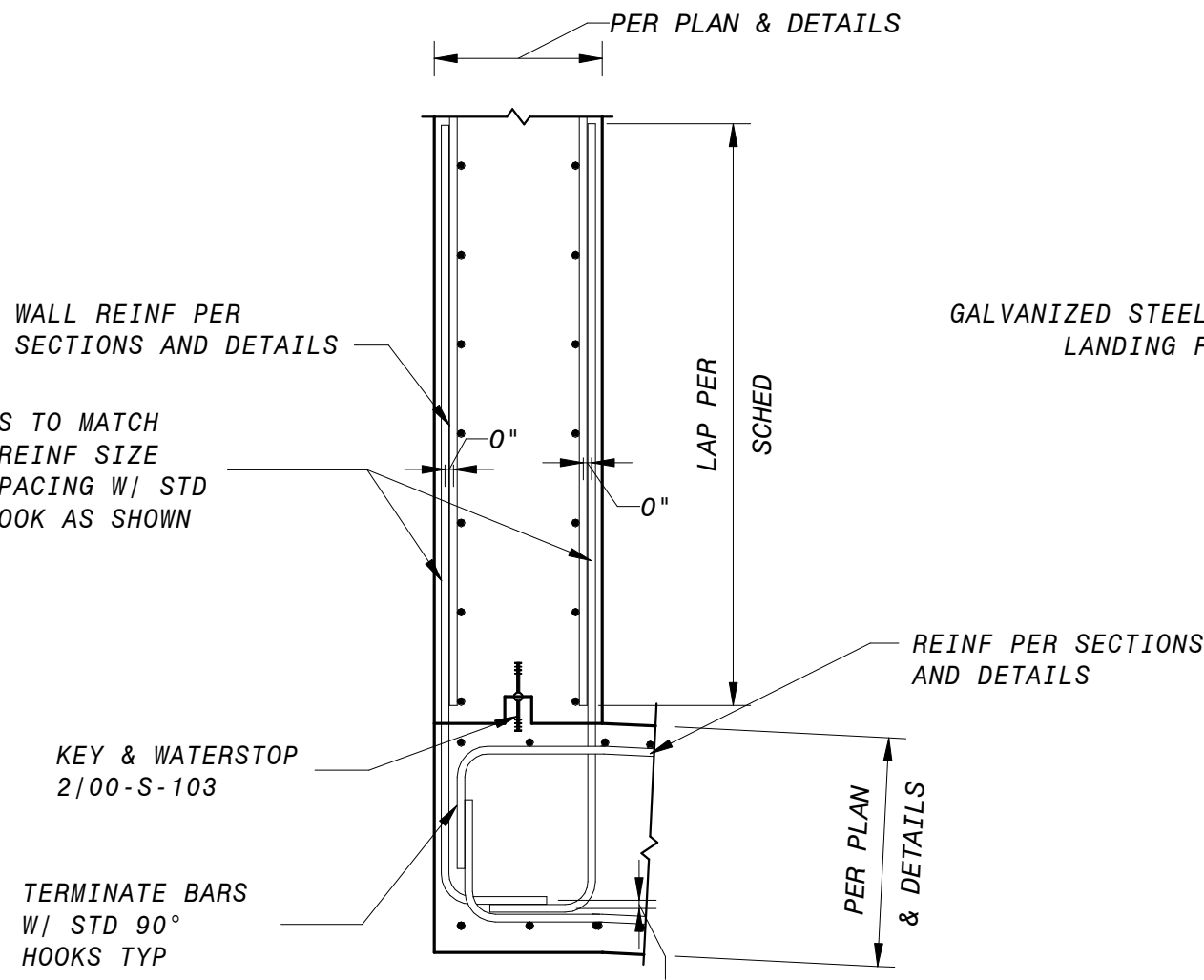
6 PLATFORM TO INTERIOR WALL
71-S-101 1/2" = 1'-0"



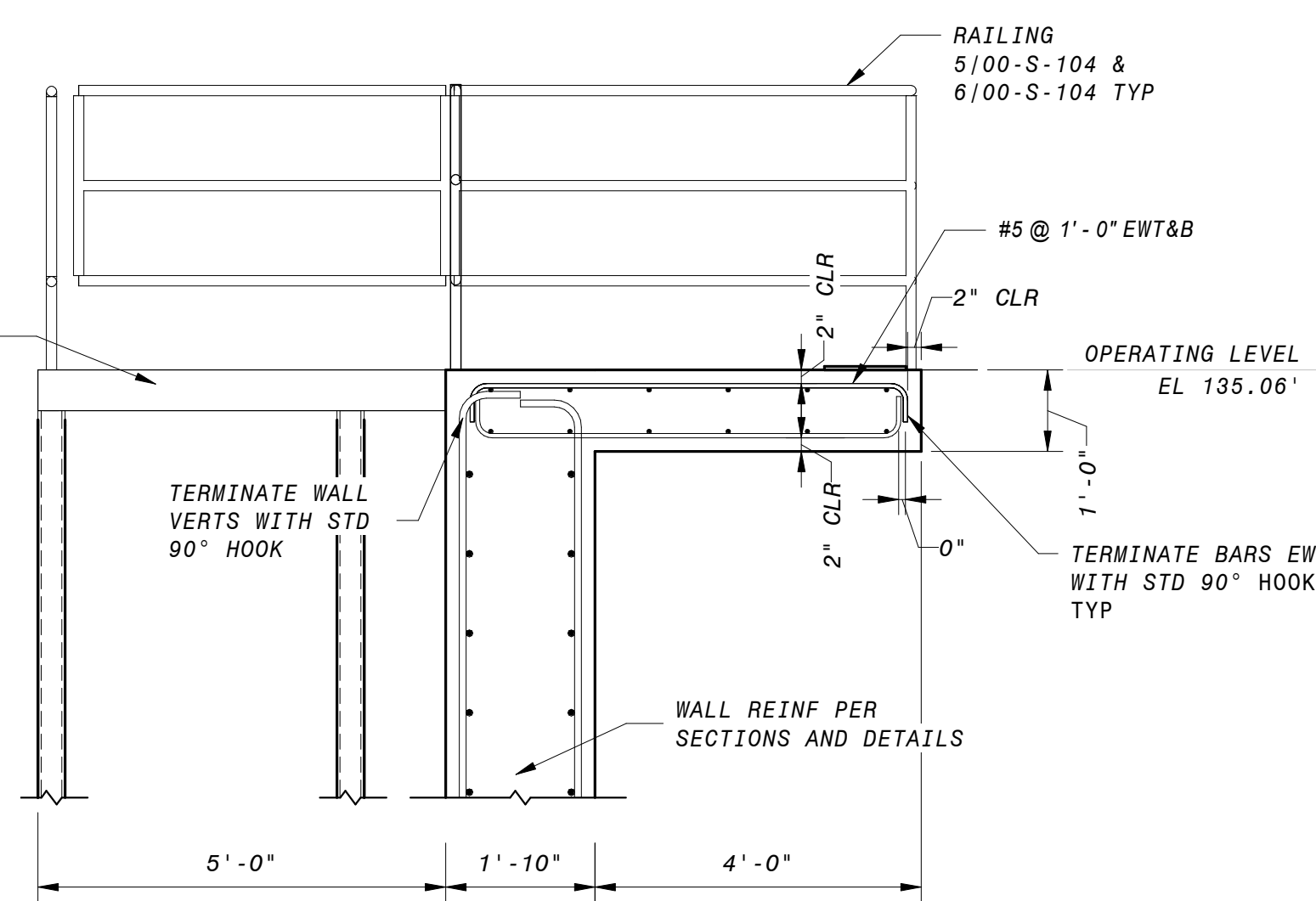
4 PIPE PENETRATION AT FABRICATED OUTLET BOX
71-S-301 3/8" = 1'-0"



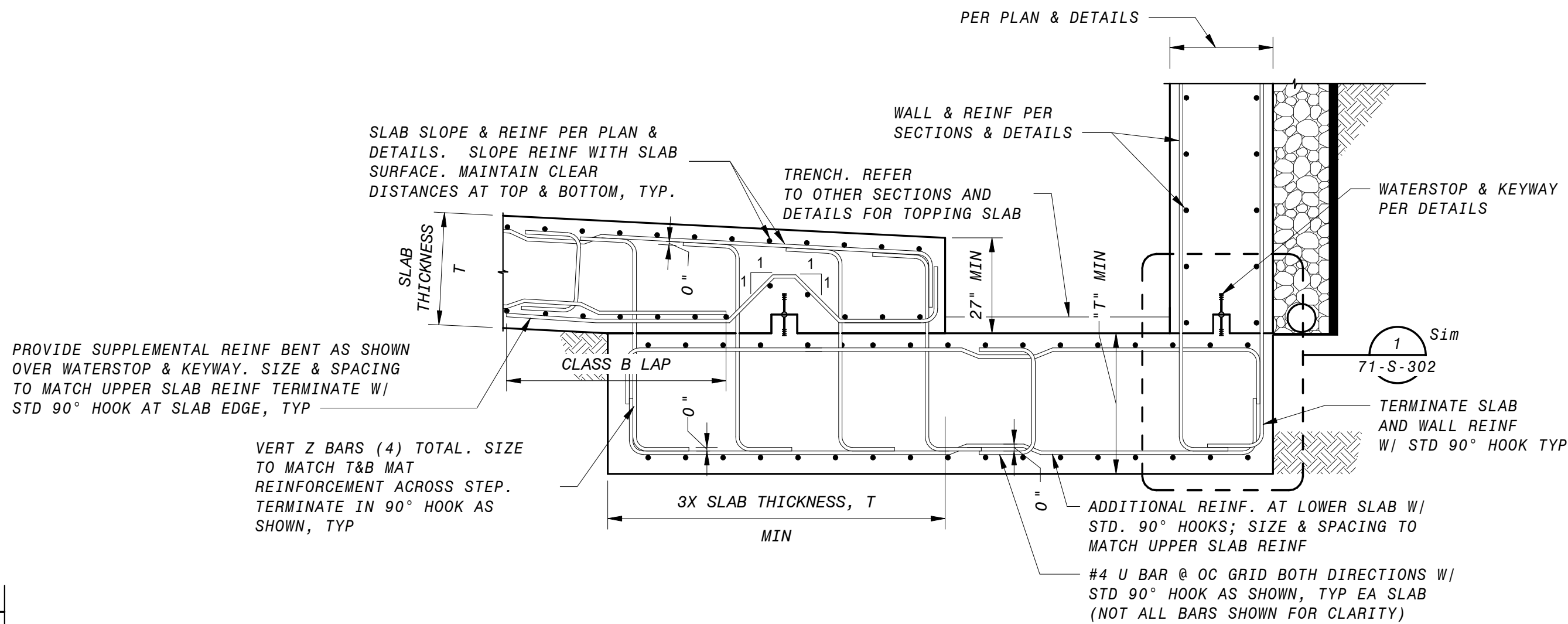
7 OUTLET WEIR BOX AT SLUDGE HOLDING TANKS
NO SCALE



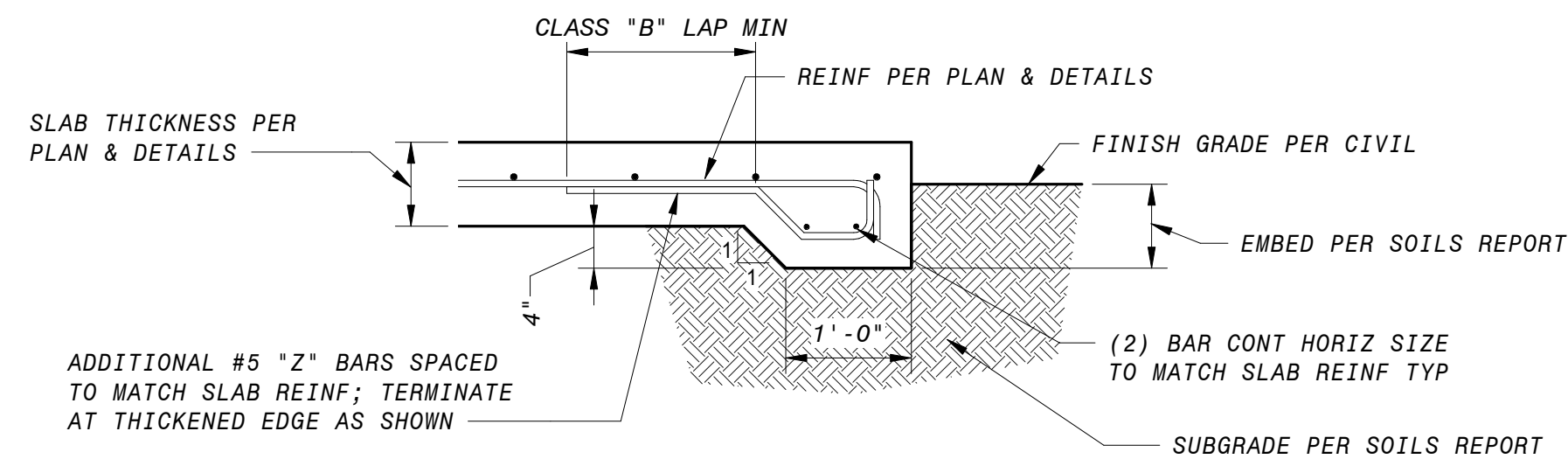
5 TYP WALL TO SLAB DETAIL
71-S-301 1/2" = 1'-0"



1 PLATFORM TO EXTERIOR WALL
71-S-101 1/2" = 1'-0"



3 TRENCH DETAIL AT SLUGE TANKS
71-S-301 1" = 1'-0"
NO SCALE



2 TYPICAL SLAB EDGE
71-S-301 3/4" = 1'-0"

GENERAL SECTION NOTES

- FOR GENERAL STRUCTURAL NOTES, SEE SHEET 00-S-002 AND STANDARD SPECIFICATIONS.
- AT WALLS 12" THICK OR LESS, PROVIDE A 6" WATERSTOP, UNO. AT WALLS GREATER THAN 12" THICK, PROVIDE A 9" WATERSTOP, UNO. REFER TO DETAIL 2 ON SHEET 00-S-103.
- REINFORCEMENT CLEAR COVER TO BE 2" EF FOR WALLS, 2" AT TOP OF SLABS, AND 3" AT BOTTOM OF SLABS, TYP., UNO.
- ALL LAP SPLICES TO BE CLASS B PER DETAIL 1/00-S-101.
- REFER TO MECHANICAL DRAWINGS FOR SIZE AND LOCATIONS OF PIPE PENETRATIONS AND WALL OPENINGS. SEE DETAIL 9/00-S-101 FOR TYPICAL REINFORCEMENT REQUIREMENTS. COORDINATE PIPE PENETRATION SEAL WITH EOR (WHERE OCCURS).



CITY OF MORRO BAY
FILANC BLACK & VEATCH DB PROPOSAL
RECLAMATION FACILITY (WRF)
SLUDGE HOLDING TANKS AND SAFE SETTLE
STRUCTURAL
SECTIONS & DETAILS 2

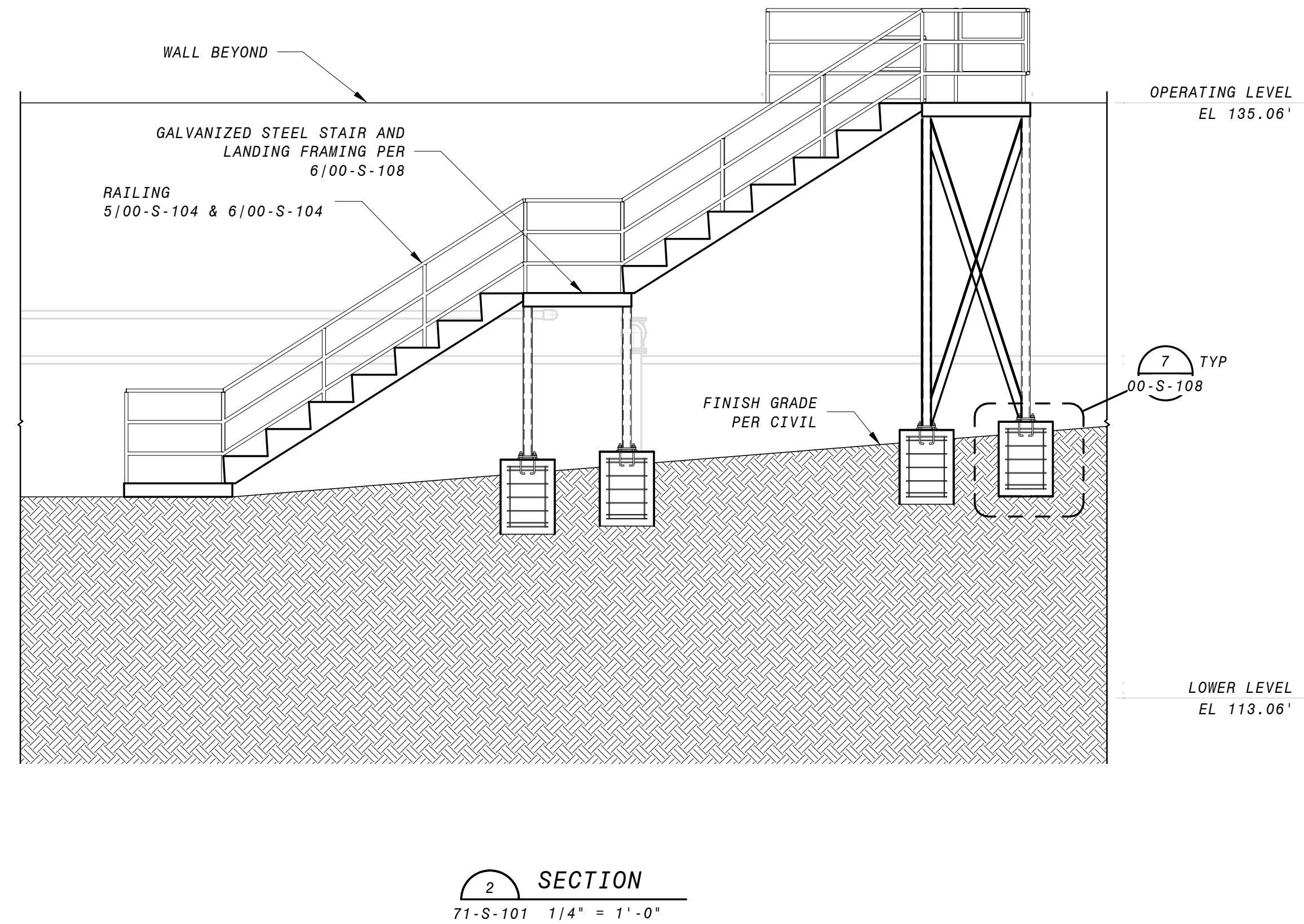
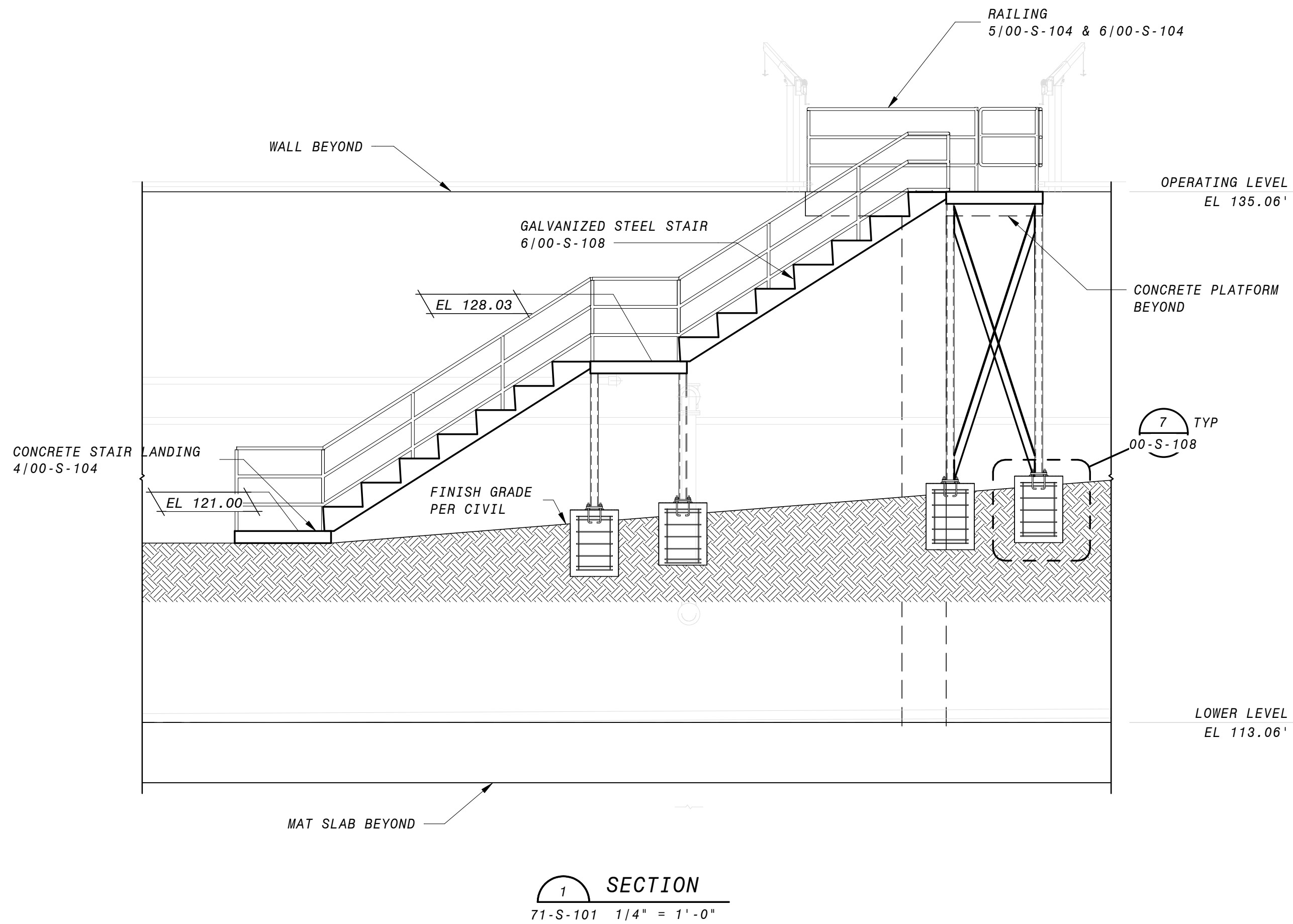
DESIGNED: M. MARSH
DETAILED: S. BENJAMIN
CHECKED: I. SHOEBRIDGE
APPROVED: C. ASHLEY
DATE: 5/19/2020

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

PROJECT NO.
400530

71-S-302
SHEET
208 OF 412

PLOTTED: 5/19/2020 2:27:19 PM
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Ashley & Vance
ENGINEERING, INC.

JOINT VENTURE

FILANC **BLACK & VEATCH**

CITY OF MORRO BAY
FILANC BLACK & VEATCH DB PROPOSAL
RECLAMATION FACILITY (WRF)

SLUDGE HOLDING TANKS AND SAFE SETTLE
STRUCTURAL
SECTIONS & DETAILS 3

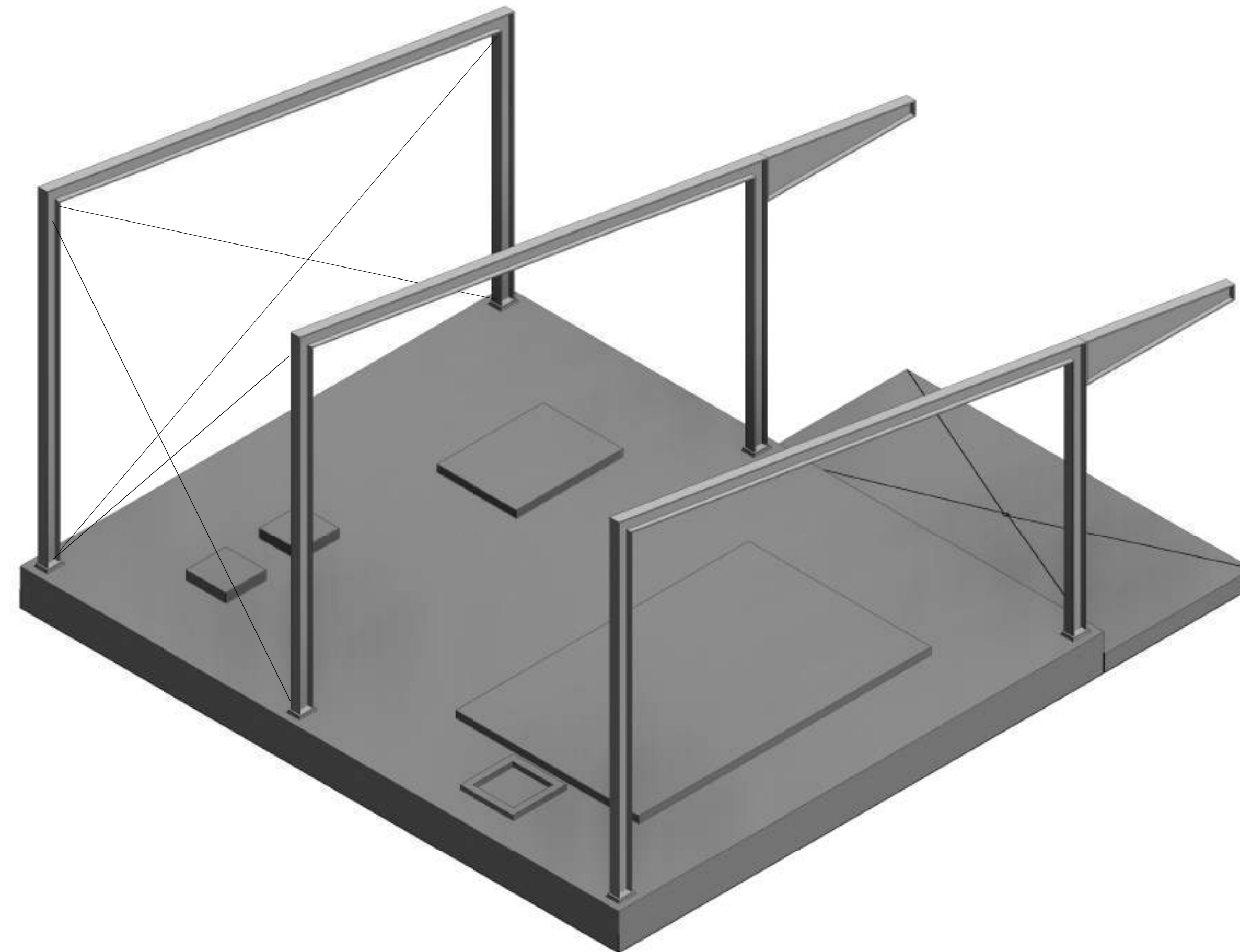
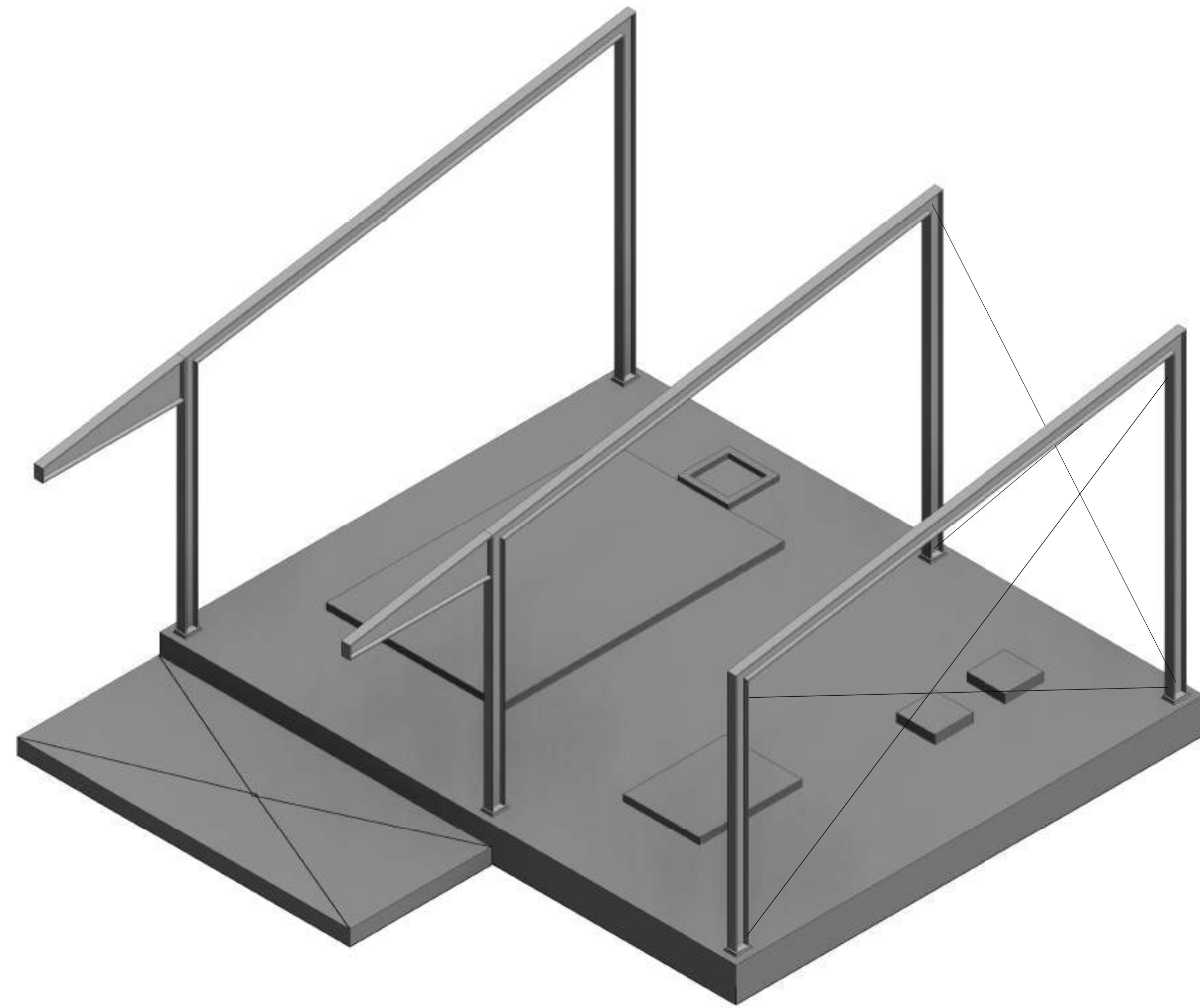
DESIGNED: M. MARSH
DETAILED: S. BENJAMIN
CHECKED: I. SHOEBRIDGE
APPROVED: C. ASHLEY
DATE: 5/19/2020

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

PROJECT NO.
400530

71-S-303
SHEET
209 OF 412

NO.	BY	DATE	REVISIONS AND RECORD OF USE
0			



3D VIEW - NORTH

3D VIEW - SOUTH

PLOTTED: 5/19/2020 2:30:47 PM

0400530

REGISTERED PROFESSIONAL ENGINEER
CHARLES R. ASHLEY
S5258
STRUCTURAL
STATE OF CALIFORNIA



Ashley & Vance
ENGINEERING, INC.

JOINT VENTURE

FILANC®

**CITY OF MORRO BAY
FILANC BLACK & VEATCH DB PROPOSAL
RECLAMATION FACILITY (WRF)**

RESIDUALS AREA - DEWATERING FACILITY
STRUCTURAL
3D VIEWS

DESIGNED: M. MARSH

ETAILED: S. BENJAM

CHECKED: I. SHOEBRIDGE

APPROVED: C. ASHLEY

DATE: 5/19/2020

A horizontal number line with tick marks at 0 and $\frac{1}{2}$. The segment between 0 and $\frac{1}{2}$ is shaded black.

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

PROJECT N
400530

72-S-001
SHEET
210 OF 412

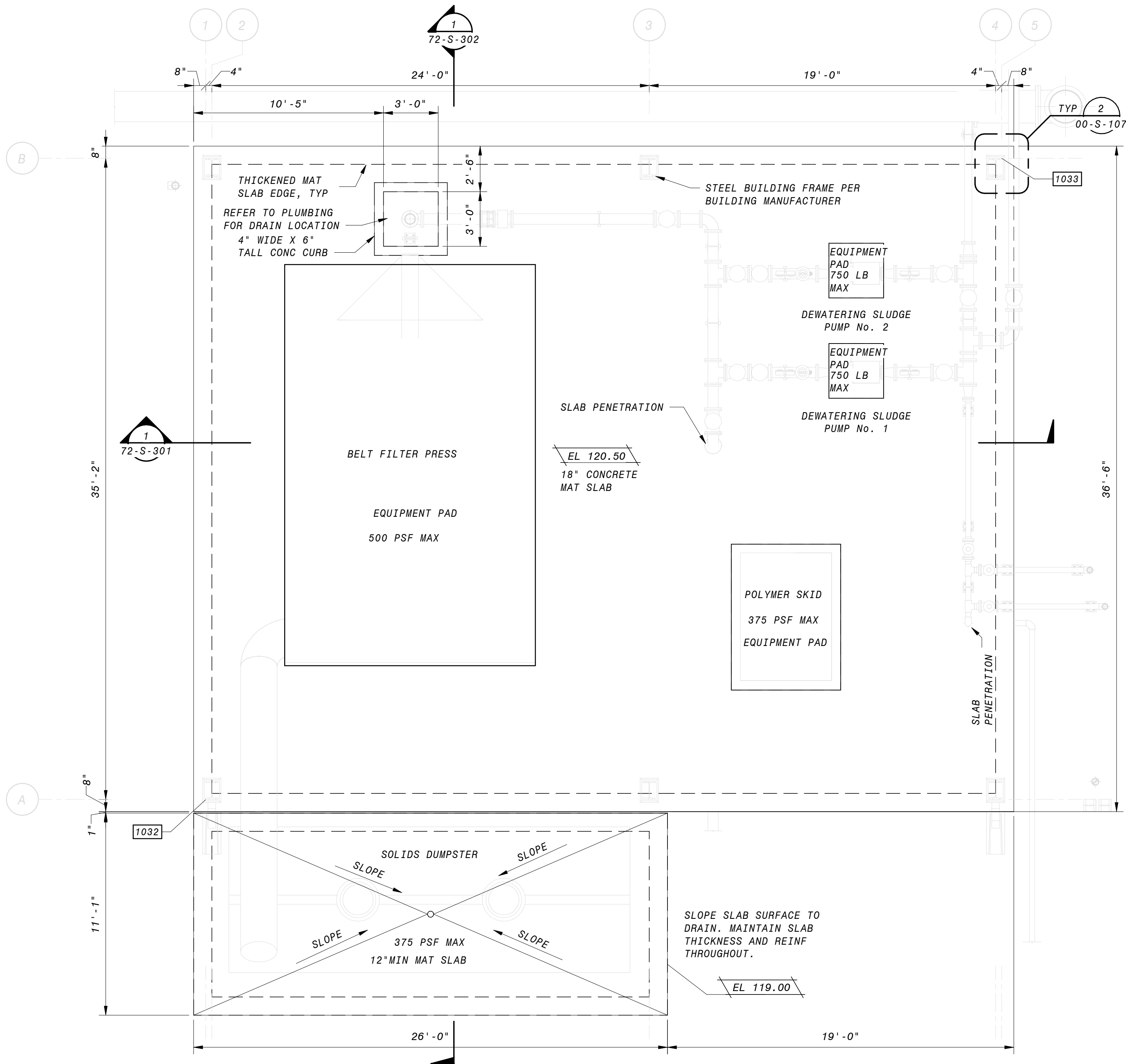
DATE	REVISIONS AND RECORD OF USE
5/19/2020	ISSUED FOR CONSTRUCTION

9

1

1

1

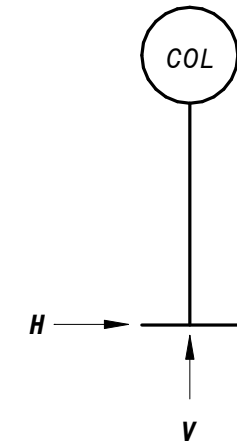


OPERATING FLOOR PLAN

1/4" = 1'-0"

NOTES:

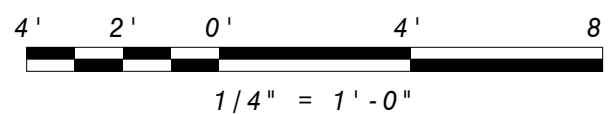
- DESIGN AND DRAWINGS FOR STEEL FRAME PRE-ENGINEERED METAL BUILDING TO BE PROVIDED BY BUILDING MFR. SEE SPECIFICATIONS FOR DESIGN CRITERIA.
- FOUNDATION DESIGN HAS BEEN BASED ON THE FOLLOWING FRAME REACTIONS, ASSUMING A PINNED COLUMN BASE:
- FRAME REACTIONS INCLUDE BOTH PRINCIPLE DIRECTIONS AND ORTHOGONAL COMBINATION EFFECTS.



LOAD	VERTICAL V (K)	HORIZONTAL H (K)
DEAD	10.5	1.0
ROOF LIVE	13.4	1.3
SEISMIC	2.9	3.1
WIND (MAX)	35.3	2.7
WIND (MIN)	-35.3	-3.9

GENERAL NOTES

- PLEASE SEE SOILS REPORT FOR ADDITIONAL SPECIFICATIONS AND RECOMMENDATIONS. IT IS THE DESIGN-BUILDER'S RESPONSIBILITY TO OBTAIN A COPY OF THE SOILS REPORT FROM THE OWNER OR OWNERS REPRESENTATIVE.
- NOT USED.
- FOR GENERAL STRUCTURAL NOTES, SEE SHEETS 00-S-002 AND STANDARD SPECIFICATIONS.
- VERIFY ALL DIMENSIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- SEE DETAIL 2/00-S-102 FOR TYP MAT SLAB ON GRADE.
- ALL LAP SPLICES TO BE CLASS B PER DETAIL 1/00-S-101
- SUBMIT EQUIPMENT WEIGHT FOR REVIEW PRIOR TO INSTALLATION. SEE DETAIL 1/00-S-105 FOR TYPICAL EQUIPMENT PADS. LOCATION AND SIZE OF EQUIPMENT PADS TO BE COORDINATED WITH MECHANICAL/ELECTRICAL/PLUMBING DRAWINGS. EQUIPMENT ANCHORAGE PER PROJECT SPECIFICATIONS.
- REFER TO MECHANICAL/ELECTRICAL/PLUMBING DRAWINGS FOR SIZE AND LOCATIONS OF PIPE PENETRATIONS. SEE DETAIL 9/00-S-101 FOR TYPICAL REINFORCEMENT REQUIREMENTS. COORDINATE PIPE PENETRATION SEAL WITH MECHANICAL ENGINEER OF RECORD.
- COORDINATE LOCATION AND DETAILING FOR ATTACHMENT OF MECHANICAL SUPPORTS WITH BUILDING MANUFACTURER AND MECHANICAL ENGINEER OF RECORD PRIOR TO INSTALLATION.
- FOR TYPICAL MAT SLAB EDGE, REFER TO DETAIL 13/00-S-102.
- LAYOUT SHOWN IS APPROXIMATE AND MAY VARY DEPENDING ON MANUFACTURER REQUIREMENTS. COORDINATE AS REQUIRED.
- COORDINATE COLUMN SIZE, LOCATION, AND ATTACHMENT WITH BUILDING MANUFACTURER PRIOR TO INSTALLATION.



NO.	BY	CHK	APP
0			
ISSUED FOR CONSTRUCTION			
REVISTONS AND RECORD OF USE			
DATE			



Ashley & Vance
ENGINEERING, INC.

JOINT VENTURE

FILANC
BLACK & VEATCH

CITY OF MORRO BAY
FILANC BLACK & VEATCH DB PROPOSAL
RECLAMATION FACILITY (WRF)
RESIDUALS AREA - DEWATERING FACILITY
STRUCTURAL
PLAN

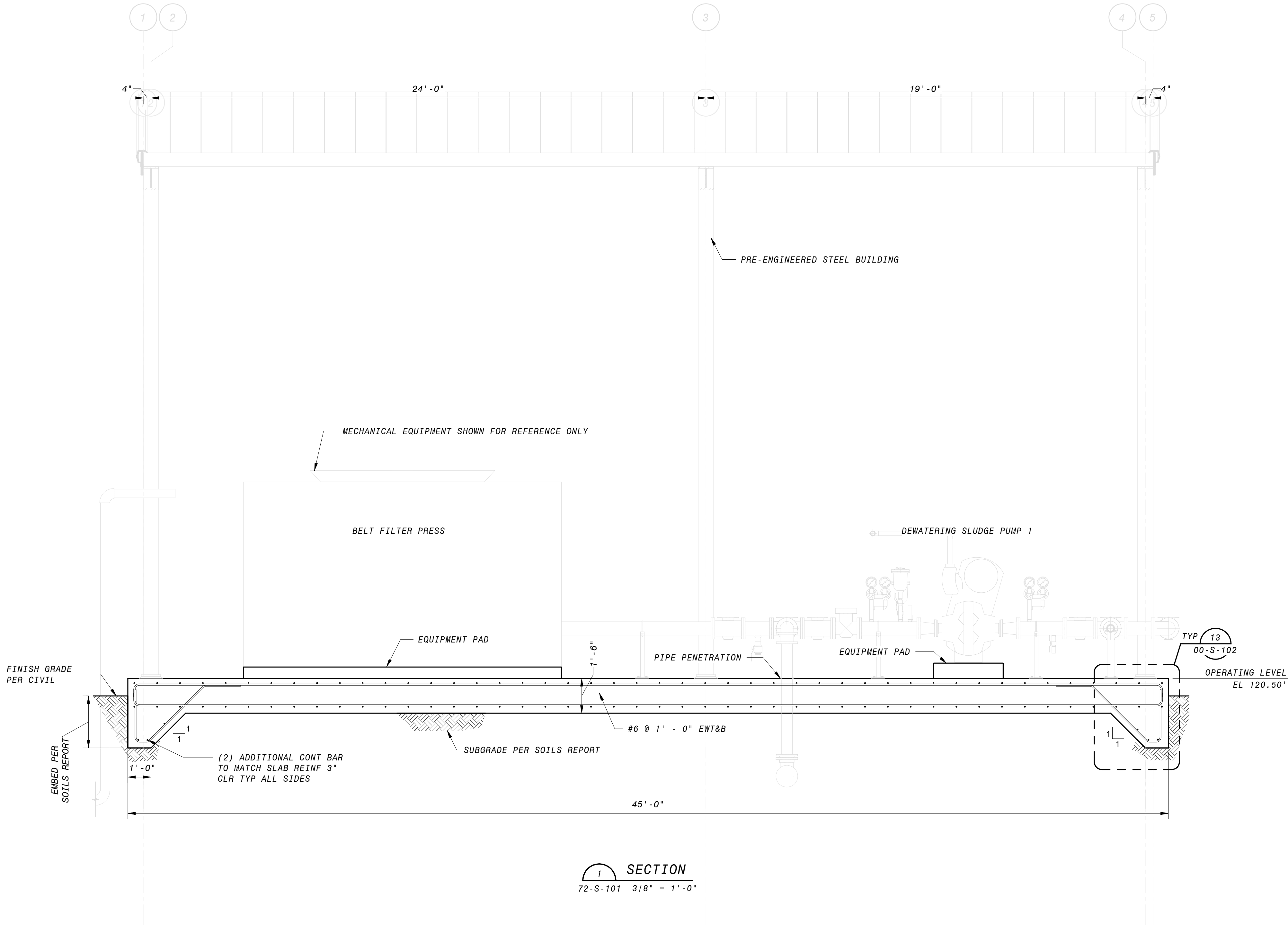
DESIGNED: M. MARSH
DETAILED: S. BENJAMIN
CHECKED: I. SHOEBRIDGE
APPROVED: C. ASHLEY
DATE: 5/19/2020

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

PROJECT NO.
400530

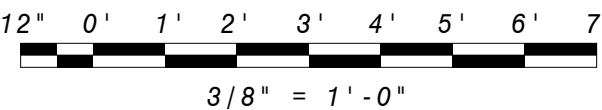
72-S-101
SHEET
211 OF 412

400530
PLOTTED: 5/19/2020 2:30:49 PM



GENERAL SECTION NOTES

- FOR GENERAL STRUCTURAL NOTES, SEE SHEETS S-00-002 AND STANDARD SPECIFICATIONS.
- REINFORCEMENT CLEAR COVER TO BE 2" EF FOR WALLS, 2" AT TOP OF SLABS, AND 3" AT BOTTOM OF SLABS, TYP., UNO.
- ALL LAP SPLICES TO BE CLASS B PER DETAIL 1/S-00-101.
- REFER TO MECHANICAL DRAWINGS FOR SIZE AND LOCATIONS OF PIPE PENETRATIONS AND OPENINGS. SEE DETAIL 9/00-S-101 FOR TYPICAL REINFORCEMENT REQUIREMENTS. COORDINATE PIPE PENETRATION SEAL WITH MECHANICAL EOR (WHERE OCCURS).
- SUBMIT EQUIPMENT WEIGHT FOR REVIEW PRIOR TO INSTALLATION. SEE DETAIL 1/00-S-105 FOR TYPICAL EQUIPMENT PADS. LOCATION & SIZE OF EQUIPMENT PADS TO BE COORDINATED WITH MECHANICAL/ ELECTRICAL/ PLUMBING DRAWINGS. EQUIPMENT ANCHORAGE PER PROJECT SPECIFICATIONS.
- FOR TYPICAL MAT SLAB EDGE, REFER TO DETAIL 13/00-S-102.
- ALL SLAB REINFORCEMENT MUST TERMINATE WITH A STANDARD 90° HOOK PER DETAIL 5/00-S-101.
- COORDINATE LOCATION AND DETAILING FOR ATTACHMENT OF MECHANICAL SUPPORTS WITH BUILDING MANUFACTURER AND MECHANICAL ENGINEER OF RECORD PRIOR TO INSTALLATION.



DESIGNED: M. MARSH	
DETAILED: S. BENJAMIN	
CHECKED: I. SHOEBRIDGE	
APPROVED: C. ASHLEY	
DATE: 5/19/2020	
0 1/2 1	
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE	
PROJECT NO. 400530	
72-S-301	
SHEET 212 OF 412	

5/19/2020	ISSUED FOR CONSTRUCTION	0	NO.	BY	CHK APP
DATE	REVISONS AND RECORD OF USE				

REGISTERED PROFESSIONAL ENGINEER
ASHLEY R. ASHLEY
S5258
STRUCTURAL
STATE OF CALIFORNIA

ASHLEY & VANCE
ENGINEERING, INC.

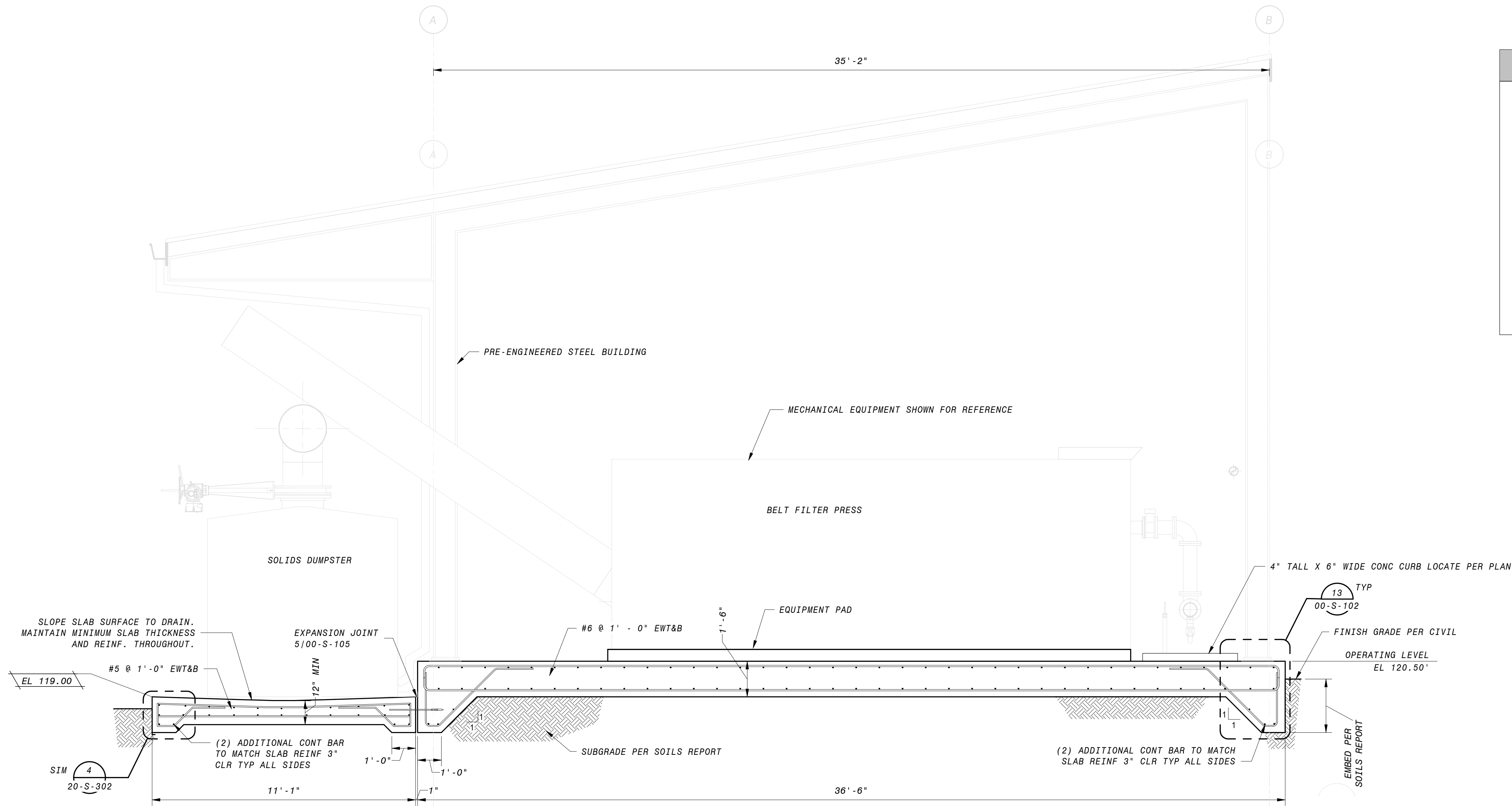
JOINT VENTURE

FILANC
BLACK & VEATCH

CITY OF MORRO BAY
FILANC BLACK & VEATCH DB PROPOSAL
RECLAMATION FACILITY (WRF)

RESIDUALS AREA - DEWATERING FACILITY
STRUCTURAL
SECTIONS & DETAILS 1

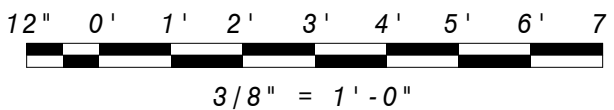
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0400530



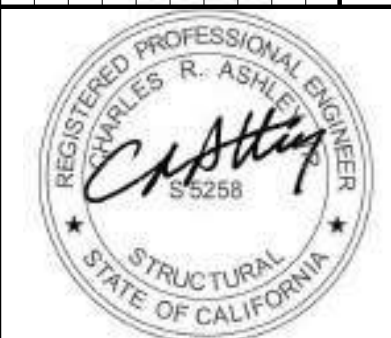
GENERAL SECTION NOTES

1. FOR GENERAL STRUCTURAL NOTES, SEE SHEETS S-00-002 AND STANDARD SPECIFICATIONS.
2. REINFORCEMENT CLEAR COVER TO BE 2" EF FOR WALLS, 2" AT TOP OF SLABS, AND 3" AT BOTTOM OF SLABS, TYP., UNO
3. ALL LAP SPLICES TO BE CLASS B PER DETAIL 1/S-00-101.
4. REFER TO MECHANICAL DRAWINGS FOR SIZE AND LOCATIONS OF PIPE PENETRATIONS AND OPENINGS. SEE DETAIL 9/00-S-101 FOR TYPICAL REINFORCEMENT REQUIREMENTS. COORDINATE PIPE PENETRATION SEAL WITH MECHANICAL EOR (WHERE OCCURS).
5. SUBMIT EQUIPMENT WEIGHT FOR REVIEW PRIOR TO INSTALLATION. SEE DETAIL 1/00-S-105 FOR TYPICAL EQUIPMENT PADS. LOCATION & SIZE OF EQUIPMENT PADS TO BE COORDINATED WITH MECHANICAL/ ELECTRICAL/ PLUMBING DRAWINGS. EQUIPMENT ANCHORAGE PER PROJECT SPECIFICATIONS.
6. FOR TYPICAL MAT SLAB EDGE, REFER TO DETAIL 13/00-S-102.
7. ALL SLAB REINFORCEMENT MUST TERMINATE WITH A STANDARD 90° HOOK PER DETAIL 5/00-S-101.
8. COORDINATE LOCATION AND DETAILING FOR ATTACHMENT OF MECHANICAL SUPPORTS WITH BUILDING MANUFACTURER AND MECHANICAL ENGINEER OF RECORD PRIOR TO INSTALLATION.

SECTION
72-S-101 3/8" = 1'-0"



NO.	BY	DATE	ISSUED FOR CONSTRUCTION	REVISITONS AND RECORD OF USE
0		5/19/2020		



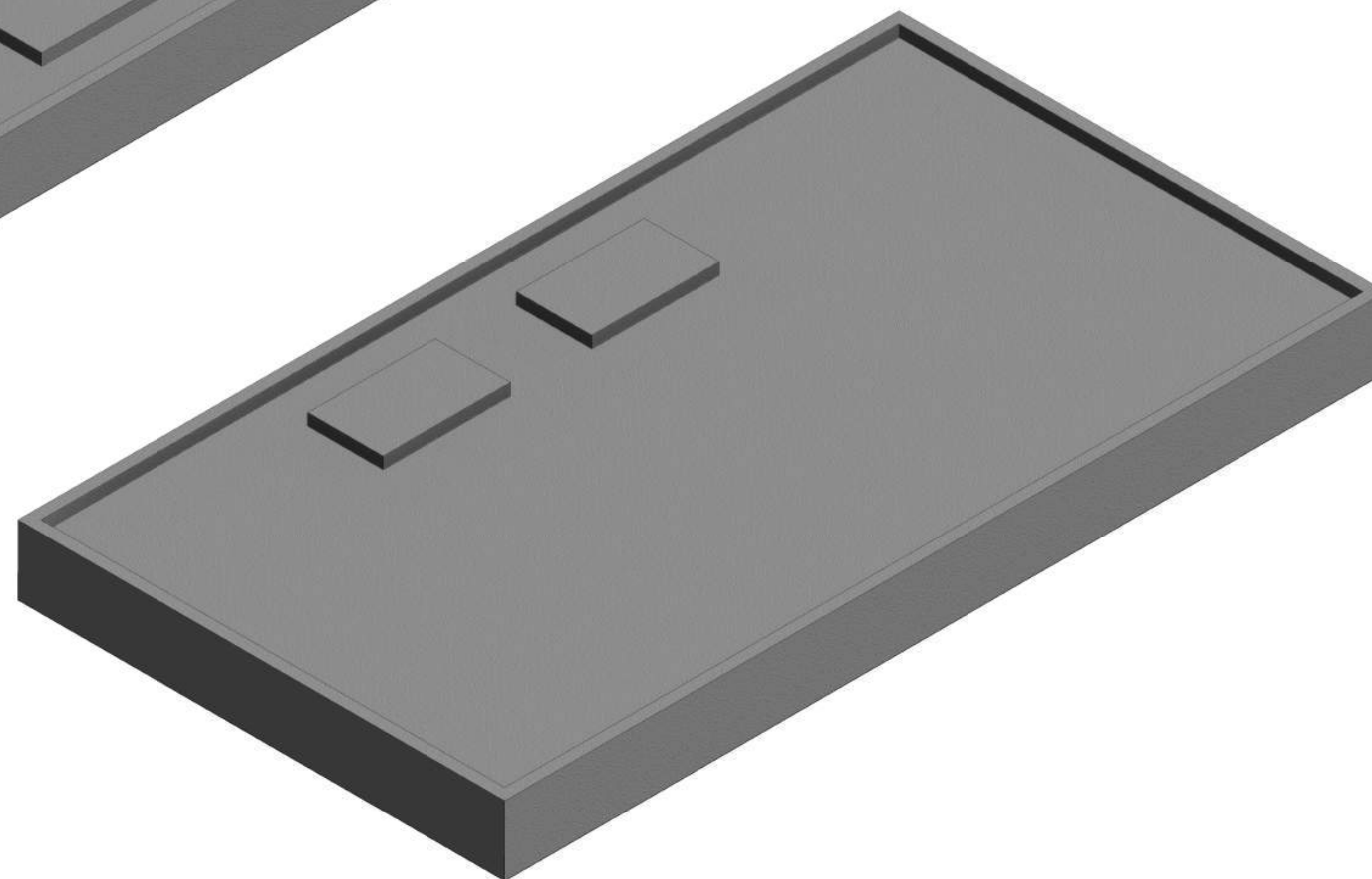
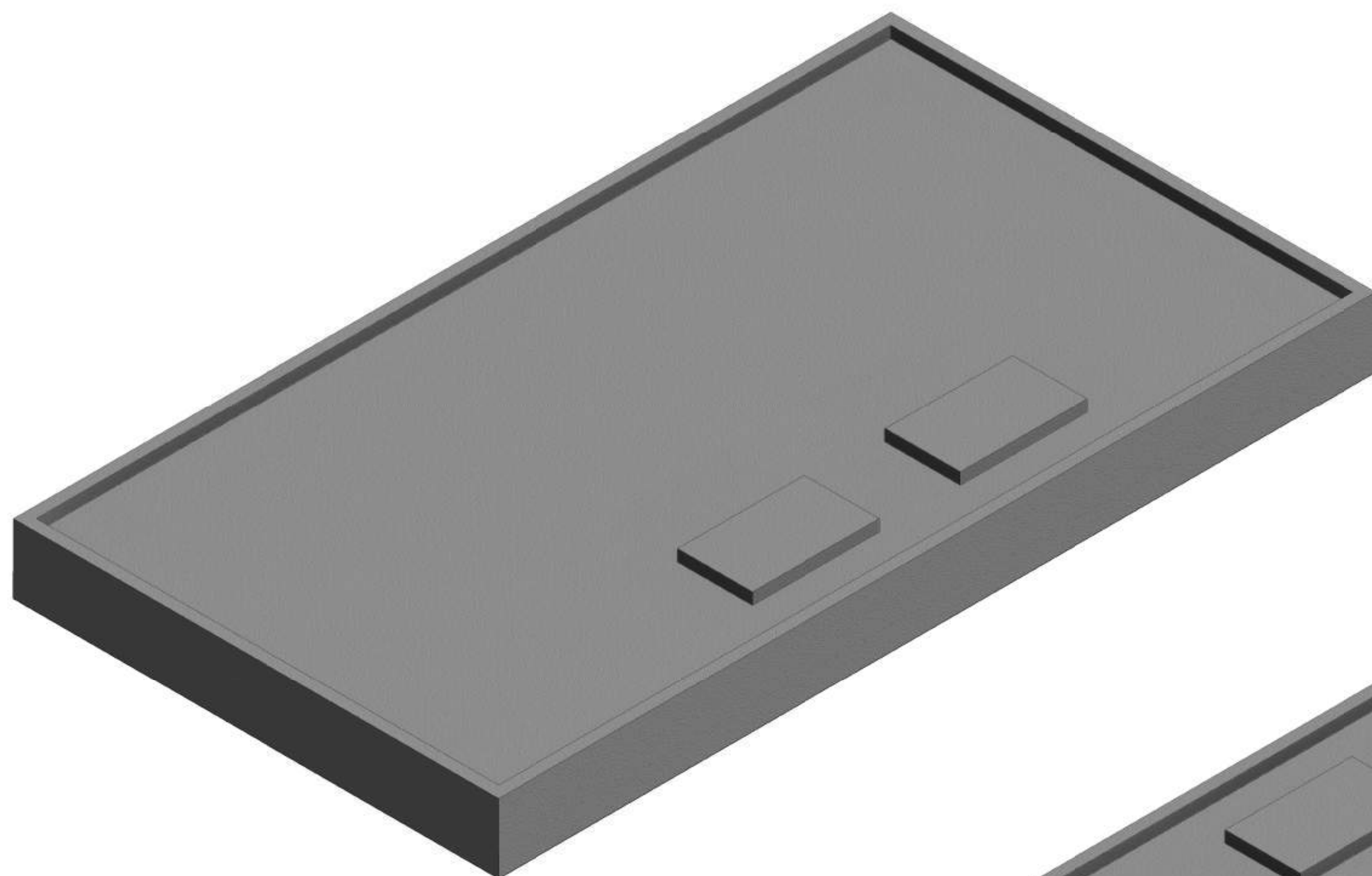
Ashley & Vance
ENGINEERING, INC.

JOINT VENTURE

FILANC
BLACK & VEATCH

CITY OF MORRO BAY
FILANC BLACK & VEATCH DB PROPOSAL
RECLAMATION FACILITY (WRF)
RESIDUALS AREA - DEWATERING FACILITY
STRUCTURAL
SECTIONS & DETAILS 2

DESIGNED: M. MARSH
DETAILED: S. BENJAMIN
CHECKED: I. SHOEBRIDGE
APPROVED: C. ASHLEY
DATE: 5/19/2020
PROJECT NO. 400530
72-S-302 SHEET 213 OF 412



CITY OF MORRO BAY
FILANC BLACK & VEATCH DB PROPOSAL
MORRO BAY WRF

SAFE FILTER AREA
STRUCTURAL
3D VIEWS

DESIGNED: M. MARSH
DETAILED: S. BENJAMIN
CHECKED: I. SHOEBRIDGE
APPROVED: C. ASHLEY
DATE: 5/19/2020

0 1/2 1

IF THIS BAR DOES NOT
MEASURE 1* THEN DRAWING IS
NOT TO FULL SCALE

PROJECT NO.
400530

73-S-001
SHEET
214 OF 412



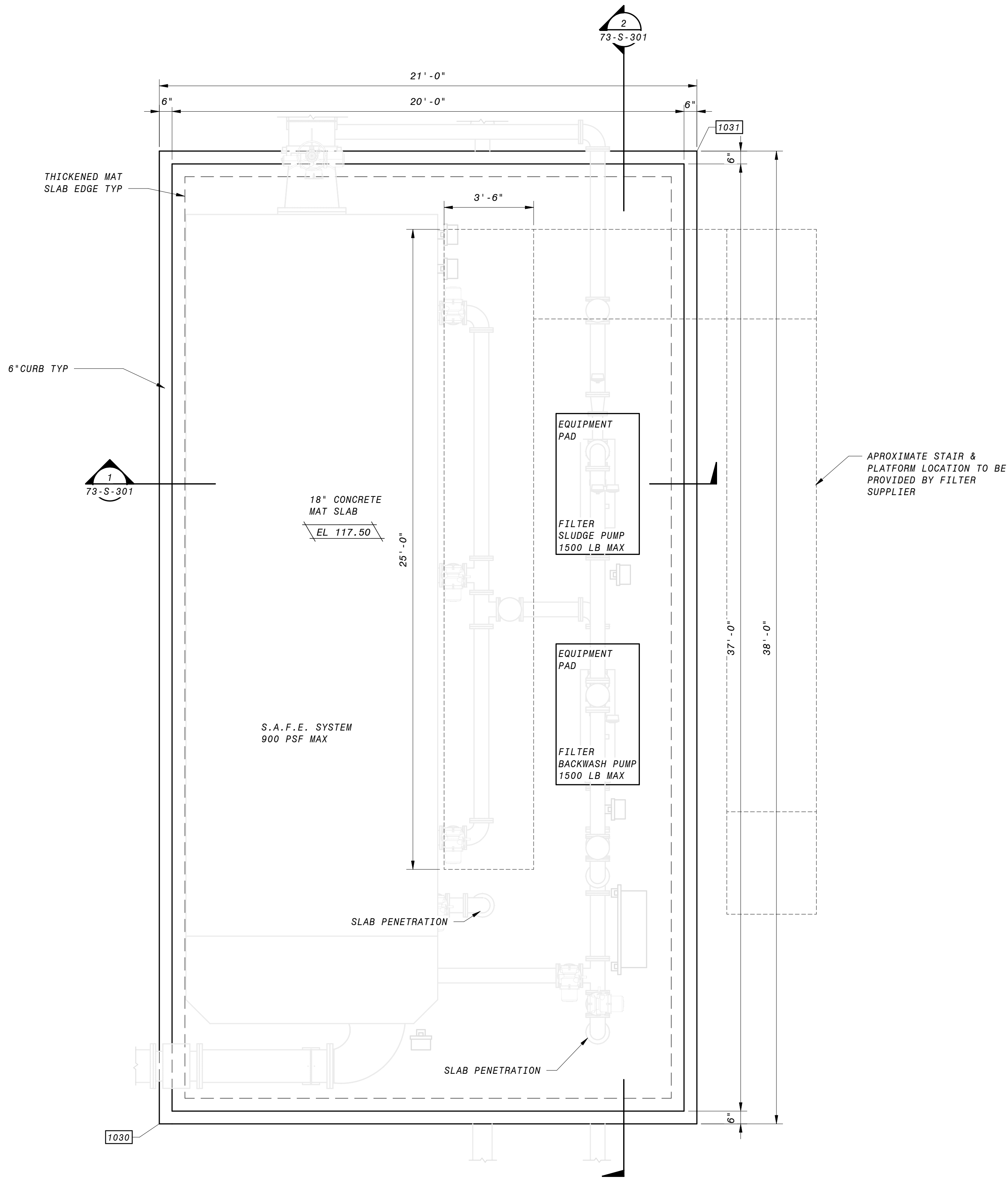
Ashley & Vance
ENGINEERING, INC.

FILANC®

BLACK & VEATCH

5/19/2020	ISSUED FOR CONSTRUCTION	REVISIONS AND RECORD OF USE
DATE		

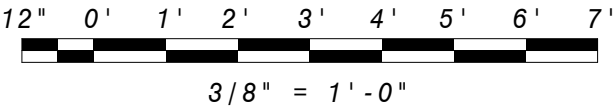
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- GENERAL STRUCTURAL NOTES**
- PLEASE SEE SOILS REPORT FOR ADDITIONAL SPECIFICATIONS AND RECOMMENDATIONS. IT IS THE DESIGN BUILDER'S RESPONSIBILITY TO OBTAIN A COPY OF THE SOILS REPORT FROM THE OWNER OR OWNERS REPRESENTATIVE.
 - NOT USED.
 - FOR GENERAL STRUCTURAL NOTES, SEE SHEETS 00-S-002 AND STANDARD SPECIFICATIONS.
 - VERIFY ALL DIMENSIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
 - SEE DETAIL 2/00-S-102 FOR TYP MAT SLAB ON GRADE.
 - OUTSIDE LAYER OF MAT SLAB REINFORCEMENT TO BE PLACED IN THE LONG DIRECTION. INSIDE LAYER OF MAT SLAB REINFORCEMENT TO BE PLACED IN THE SHORT DIRECTION. TYPICAL, UNLESS NOTED OTHERWISE.
 - ALL LAP SPLICES TO BE CLASS B PER DETAIL 1/00-S-101.
 - SUBMIT EQUIPMENT WEIGHT FOR REVIEW PRIOR TO INSTALLATION. SEE DETAIL 1/00-S-105 FOR TYPICAL EQUIPMENT PADS. LOCATION AND SIZE OF EQUIPMENT PADS TO BE COORDINATED WITH MECHANICAL/ELECTRICAL/PLUMBING DRAWINGS. EQUIPMENT ANCHORAGE PER PROJECT SPECIFICATIONS.
 - REFER TO MECHANICAL/ELECTRICAL/PLUMBING DRAWINGS FOR SIZE AND LOCATIONS OF PIPE PENETRATIONS AND WALL OPENINGS. SEE DETAIL 9/00-S-101 FOR TYPICAL REINFORCEMENT REQUIREMENTS. COORDINATE PIPE PENETRATION SEAL WITH MECHANICAL ENGINEER OF RECORD.
 - ALL SLAB REINFORCEMENT MUST TERMINATE WITH A STANDARD 90° HOOK PER DETAIL 5/00-S-101.
 - FOR TYPICAL MAT SLAB EDGE, REFER TO DETAIL 13/00-S-102.

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OPERATING FLOOR PLAN
3/8" = 1'-0"

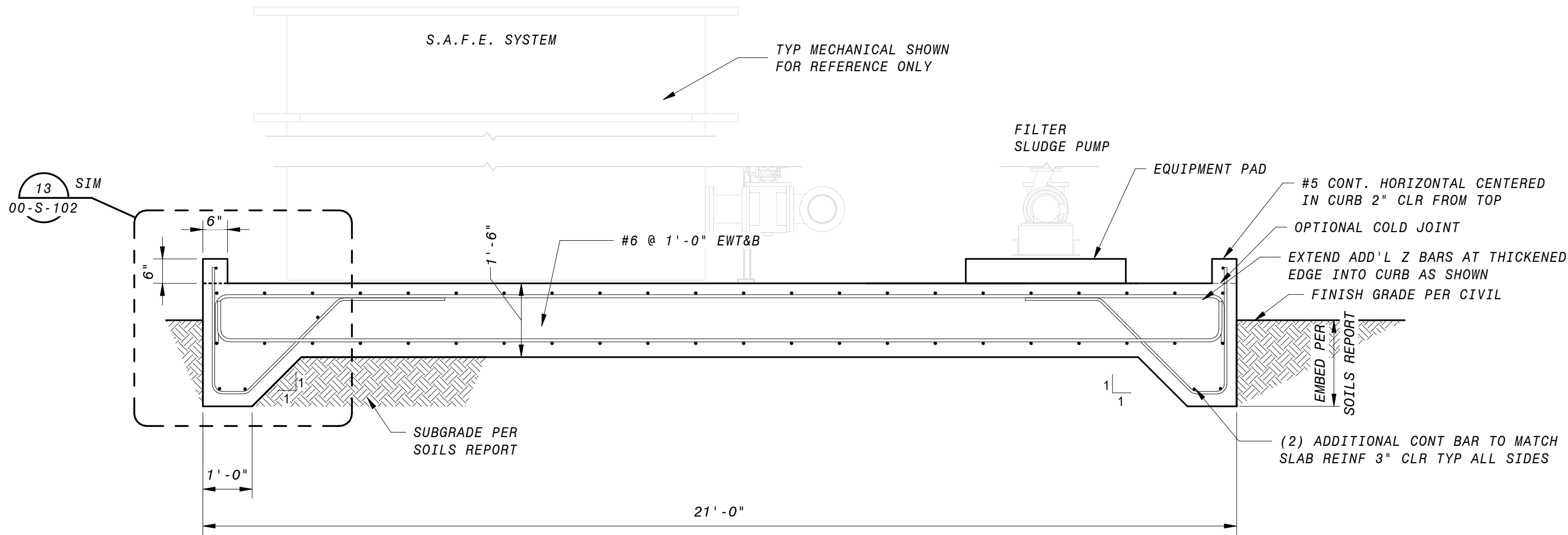


DESIGNED: M. MARSH
DETAILED: S. BENJAMIN
CHECKED: I. SHOEBRIDGE
APPROVED: C. ASHLEY
DATE: 5/19/2020

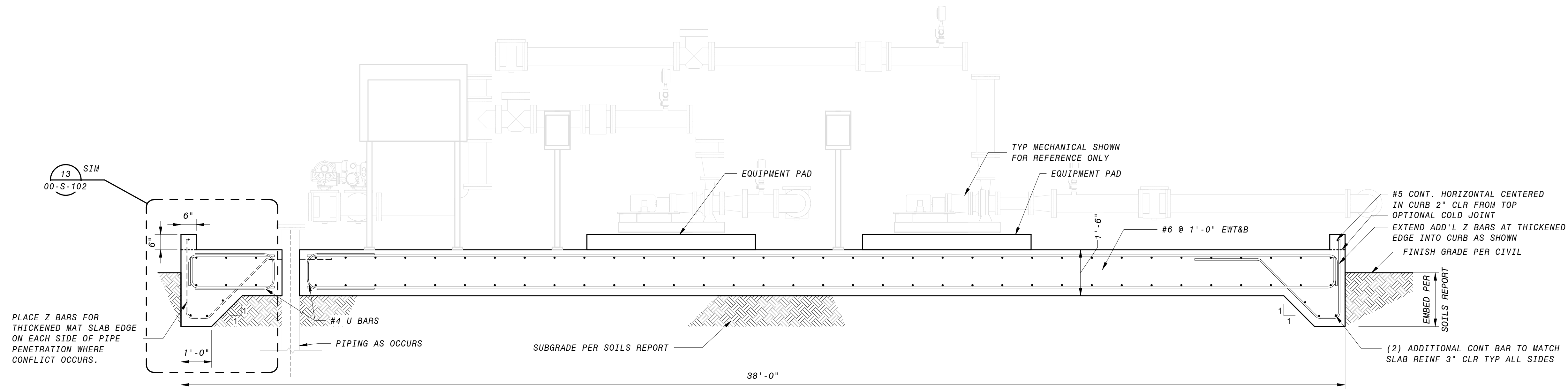
0 1/2 1
IF THIS BAR DOES NOT
MEASURE 1" THEN DRAWING IS
NOT TO FULL SCALE

PROJECT NO.
400530

73-S-101
SHEET
215 OF 412



SECTION 1
73-S-101 1/2" = 1'-0"



SECTION 2
73-S-101 1/2" = 1'-0"

GENERAL SECTION NOTES

1. FOR GENERAL STRUCTURAL NOTES, SEE SHEETS 00-S-002 AND STANDARD SPECIFICATIONS.
2. REINFORCEMENT CLEAR COVER TO BE 2" EF FOR WALLS, 2" AT TOP OF SLABS, AND 3" AT BOTTOM OF SLABS, TYP., UNO
3. ALL LAP SPLICES TO BE CLASS B PER DETAIL 1/00-S-101.
4. REFER TO MECHANICAL DRAWINGS FOR SIZE AND LOCATIONS OF PIPE PENETRATIONS AND WALL OPENINGS. SEE DETAIL 9/00-S-101 FOR TYPICAL REINFORCEMENT REQUIREMENTS. COORDINATE PIPE PENETRATION SEAL WITH MECHANICAL EOR (WHERE OCCURS).
5. SUBMIT EQUIPMENT WEIGHT FOR REVIEW PRIOR TO INSTALLATION. SEE DETAIL 1/00-S-105 FOR TYPICAL EQUIPMENT PADS. LOCATION & SIZE OF EQUIPMENT PADS TO BE COORDINATED WITH MECHANICAL/ELECTRICAL/PLUMBING DRAWINGS. EQUIPMENT ANCHORAGE PER PROJECT SPECIFICATIONS.
6. ALL SLAB REINFORCEMENT MUST TERMINATE WITH A STANDARD 90° HOOK PER DETAIL 05/00-S-101.
7. FOR TYPICAL MAT SLAB EDGE, REFER TO DETAIL 13/00-S-102.



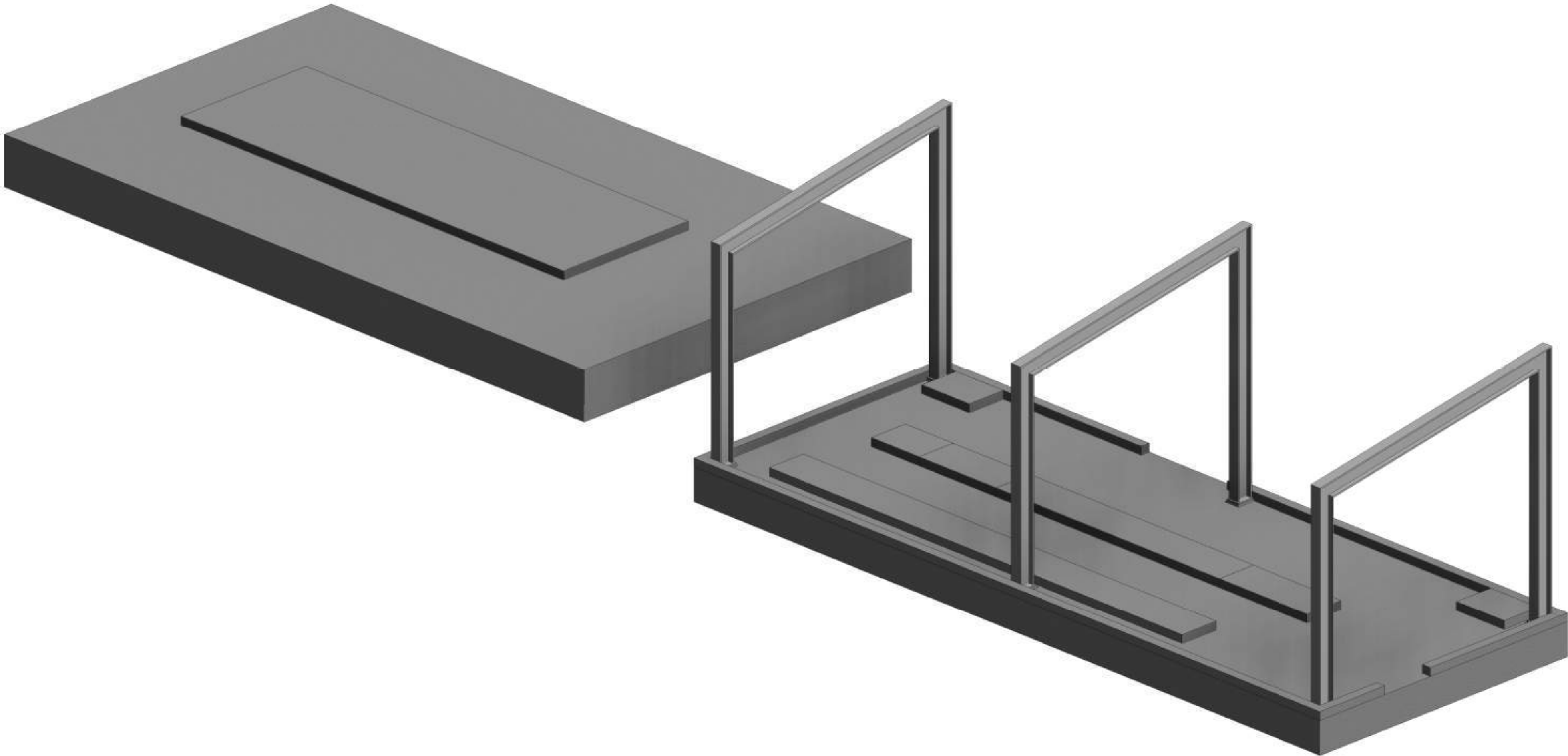
CITY OF MORRO BAY
FILANC BLACK & VEATCH DB PROPOSAL
MORRO BAY WRF
SAFE FILTER AREA
STRUCTURAL
SECTIONS

DESIGNED: M. MARSH
DETAILED: S. BENJAMIN
CHECKED: I. SHOEBRIDGE
APPROVED: C. ASHLEY
DATE: 5/19/2020

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

PROJECT NO.
400530

73-S-301
SHEET
216 OF 412



3D VIEW - SOUTH

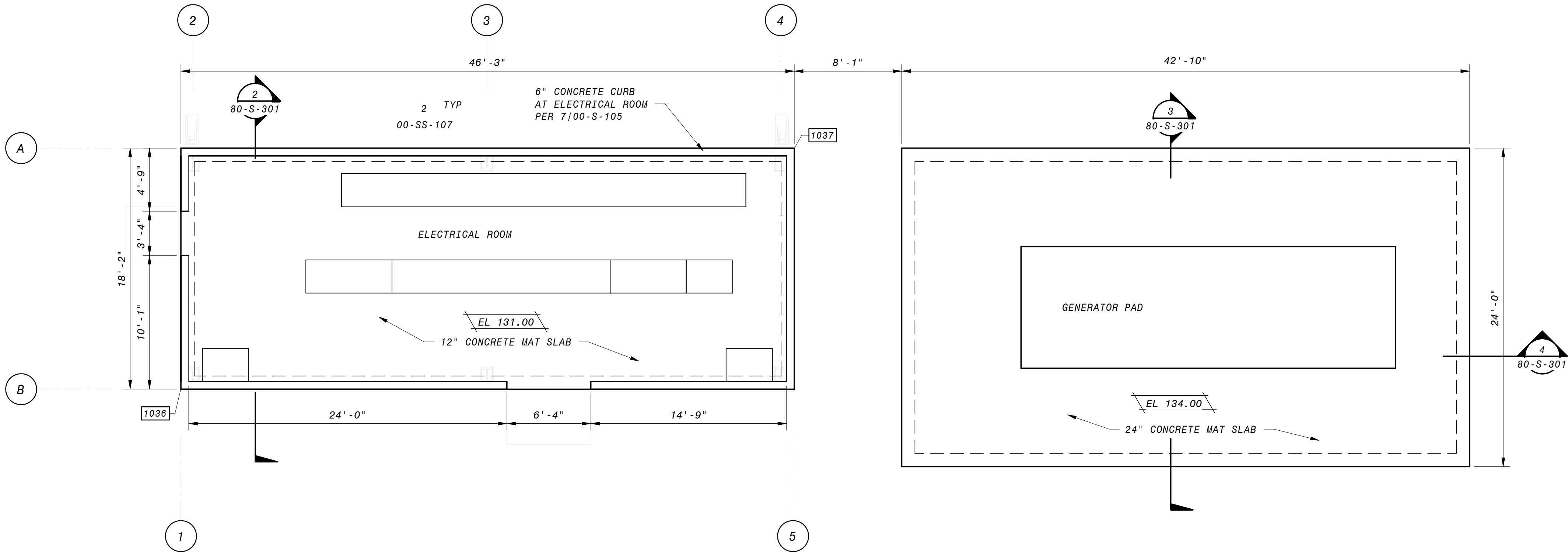
DESIGNED: M. MARSH		5/19/2020	ISSUED FOR CONSTRUCTION	0	BY	CHK APP
DETAILED: S. BENJAMIN						
CHECKED: I. SHOEBRIDGE						
APPROVED: C. ASHLEY						
DATE: 5/19/2020						
0 1/2 1		REVISIONS AND RECORD OF USE				
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE						
PROJECT NO. 400530						
80-S-001						
SHEET 217 OF 412						

JOINT VENTURE

BLACK & VEATCH

CITY OF MORRO BAY
FILANC BLACK & VEATCH DB PROPOSAL
MORRO BAY WRF

ELECTRICAL BUILDING
STRUCTURAL
3D VIEW



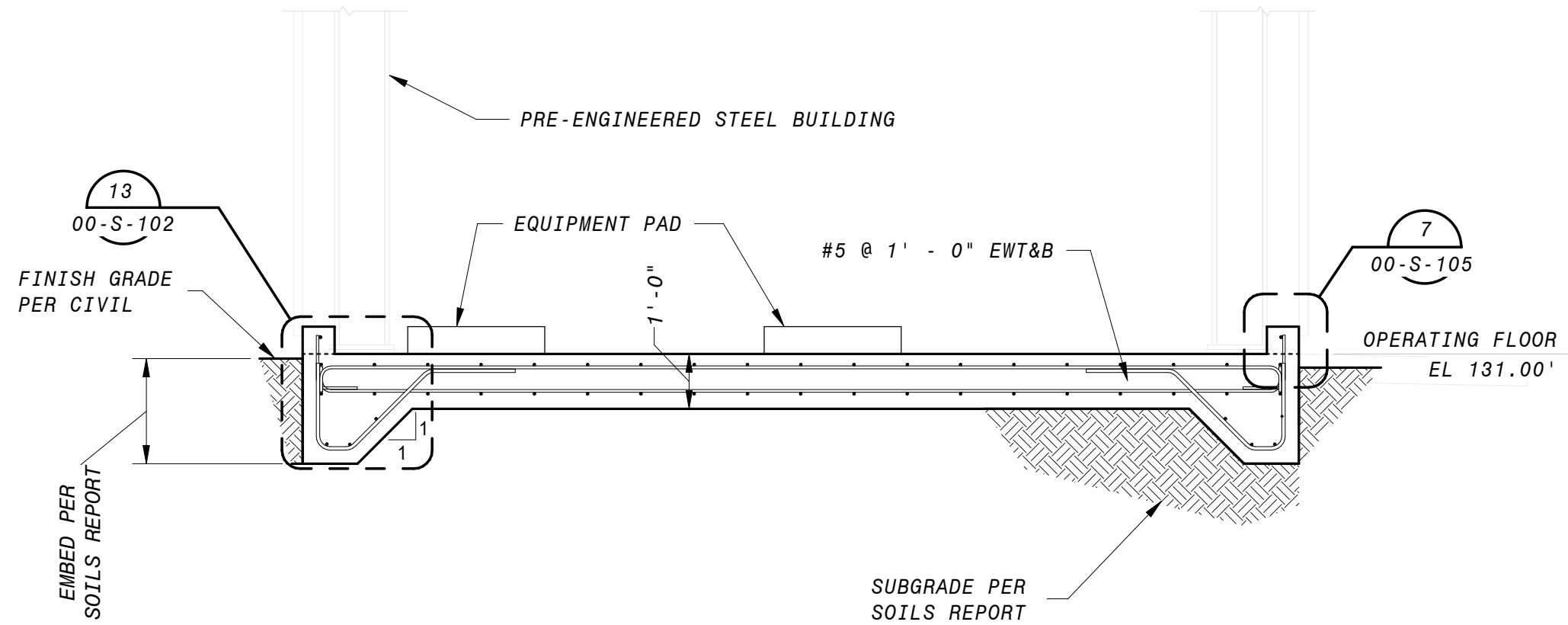
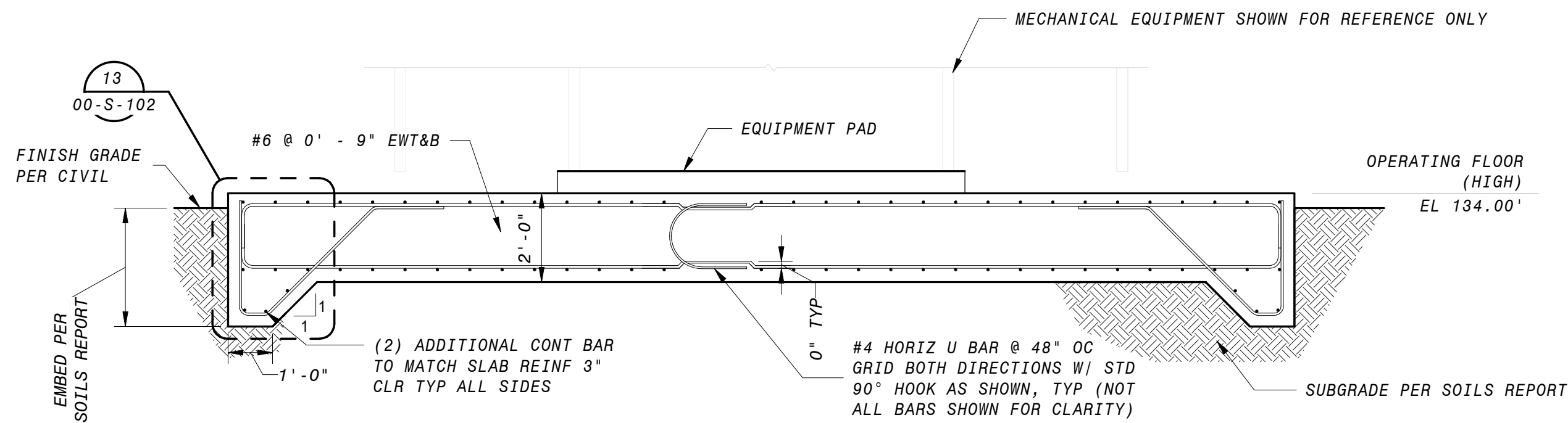
OPERATING FLOOR PLAN
 3/16" = 1'-0"

- NOTES:
- DESIGN AND DRAWINGS FOR STEEL FRAME PRE-ENGINEERED METAL BUILDING TO BE PROVIDED BY BUILDING MFR. SEE SPECIFICATIONS FOR DESIGN CRITERIA.
 - FOUNDATION DESIGN HAS BEEN BASED ON THE FOLLOWING FRAME REACTIONS, ASSUMING A PINNED COLUMN BASE:
- | LOAD | VERTICAL
V (K) | HORIZONTAL
H (K) |
|------------|-------------------|---------------------|
| DEAD | 4.0 | 0.5 |
| ROOF LIVE | 8.0 | 0.5 |
| SEISMIC | 4.0 | 1.5 |
| WIND (MAX) | 16.0 | 4.0 |
| WIND (MIN) | -16.0 | -4.0 |
- FOUNDATION HAS BEEN DESIGNED FOR A LIVE LOAD OF 100 PSF.
 - FRAME REACTIONS INCLUDE BOTH PRINCIPLE DIRECTIONS AND ORTHOGONAL COMBINATION EFFECTS.

- GENERAL NOTES
- PLEASE SEE SOILS REPORT FOR ADDITIONAL SPECIFICATIONS AND RECOMMENDATIONS. IT IS THE DESIGN-BUILDER'S RESPONSIBILITY TO OBTAIN A COPY OF THE SOILS REPORT FROM THE OWNER OR OWNERS REPRESENTATIVE.
 - NOT USED.
 - FOR GENERAL STRUCTURAL NOTES, SEE SHEETS 00-S-002 AND STANDARD SPECIFICATIONS.
 - VERIFY ALL DIMENSIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
 - SEE DETAIL 2/00-S-102 FOR TYP MAT SLAB ON GRADE.
 - ALL LAP SPLICES TO BE CLASS B PER DETAIL 1/00-S-101
 - SUBMIT EQUIPMENT WEIGHT FOR REVIEW PRIOR TO INSTALLATION. SEE DETAIL 1/00-S-105 FOR TYPICAL EQUIPMENT PADS. LOCATION AND SIZE OF EQUIPMENT PADS TO BE COORDINATED WITH MECHANICAL/ELECTRICAL/PLUMBING DRAWINGS. EQUIPMENT ANCHORAGE PER PROJECT SPECIFICATIONS.
 - REFER TO MECHANICAL/ELECTRICAL/PLUMBING DRAWINGS FOR SIZE AND LOCATIONS OF PIPE PENETRATIONS AND WALL OPENINGS. SEE DETAIL 9/00-S-101 FOR TYPICAL REINFORCEMENT REQUIREMENTS. COORDINATE PIPE PENETRATION SEAL WITH MECHANICAL ENGINEER OF RECORD.
 - COORDINATE LOCATION AND DETAILING FOR ATTACHMENT OF MECHANICAL SUPPORTS WITH BUILDING MANUFACTURER AND MECHANICAL ENGINEER OF RECORD PRIOR TO INSTALLATION.
 - ALL SLAB REINFORCEMENT MUST TERMINATE WITH A STANDARD 90° HOOK PER DETAIL 5/00-S-101.
 - FOR TYPICAL MAT SLAB EDGE, REFER TO DETAIL 13/00-S-102.
 - COORDINATE COLUMN SIZE, LOCATION, AND ATTACHMENT WITH BUILDING MANUFACTURER PRIOR TO INSTALLATION.

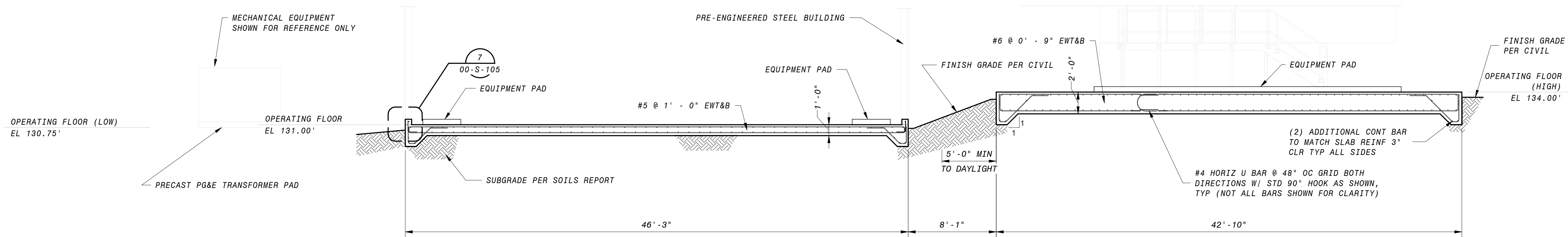
5/19/2020 DATE		ISSUED FOR CONSTRUCTION USER		NO. 0		BY		CHECK APP	
REVISIONS AND RECORD OF USE									
CASHLEY REGISTERED PROFESSIONAL ENGINEER S5258 STRUCTURAL STATE OF CALIFORNIA					JOINT VENTURE Ashley & Vance ENGINEERING, INC. FILANC BLACK & VEATCH				
CITY OF MORRO BAY FILANC BLACK & VEATCH DB PROPOSAL MORRO BAY WRF					ELECTRICAL BUILDING STRUCTURAL PLAN				
DESIGNED: M. MARSH DETAILED: S. BENJAMIN CHECKED: I. SHOEBRIDGE APPROVED: C. ASHLEY DATE: 5/19/2020									
 IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE									
PROJECT NO. 400530									
80-S-101 SHEET 218 OF 412									

400530
PLOTTED: 5/19/2020 2:37:44 PM

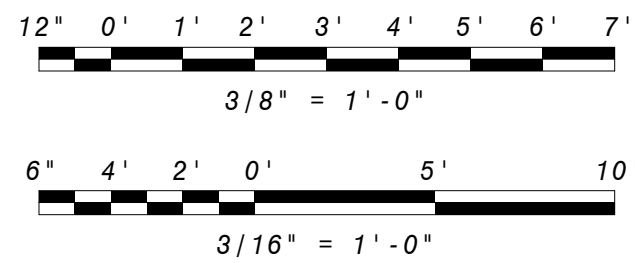


2 SECTION AT ELECTRICAL BUILDING
80-S-101 3/8" = 1'-0"

- GENERAL SECTION NOTES**
- FOR GENERAL STRUCTURAL NOTES, SEE SHEETS 00-S-002 AND STANDARD SPECIFICATIONS.
 - REINFORCEMENT CLEAR COVER TO BE 2" EF FOR WALLS, 2" AT TOP OF SLABS, AND 3" AT BOTTOM OF SLABS, TYP., UNO
 - ALL LAP SPLICES TO BE CLASS B PER DETAIL 1/00-S-101.
 - REFER TO MECHANICAL DRAWINGS FOR SIZE AND LOCATIONS OF PIPE PENETRATIONS. SEE DETAIL 9/00-S-101 FOR TYPICAL REINFORCEMENT REQUIREMENTS. COORDINATE PIPE PENETRATION SEAL WITH MECHANICAL EOR (WHERE OCCURS).
 - SUBMIT EQUIPMENT WEIGHT FOR REVIEW PRIOR TO INSTALLATION. SEE DETAIL 1/00-S-105 FOR TYPICAL EQUIPMENT PADS. LOCATION & SIZE OF EQUIPMENT PADS TO BE COORDINATED WITH MECHANICAL/ ELECTRICAL/ PLUMBING DRAWINGS. EQUIPMENT ANCHORAGE PER PROJECT SPECIFICATIONS.
 - COORDINATE LOCATION AND DETAILING FOR ATTACHMENT OF MECHANICAL SUPPORTS WITH BUILDING MANUFACTURER AND MECHANICAL ENGINEER OF RECORD PRIOR TO INSTALLATION.
 - TYPICAL STEPPED FOOTING PER DETAIL 10/00-S-102
 - TEMPORARY SHORING TO REMAIN IN PLACE ON RETAINING WALLS UNTIL SLAB IS POURED ABOVE.



4 SECTION
80-S-101 3/16" = 1'-0"



DESIGNED: M. MARSH	
DETAILED: S. BENJAMIN	
CHECKED: I. SHOEBRIDGE	
APPROVED: C. ASHLEY	
DATE: 5/19/2020	
PROJECT NO. 400530	
80-S-301	
SHEET 219 OF 412	

ISSUED FOR CONSTRUCTION	NO.	BY	CHK APP
5/19/2020	0		
DATE	REVISONS AND RECORD OF USE		

REGISTERED PROFESSIONAL ENGINEER CHARLES R. ASHLEY S5258 STRUCTURAL STATE OF CALIFORNIA	JOINT VENTURE Ashley Vance ENGINEERING, INC. BLACK & VEATCH FILANC
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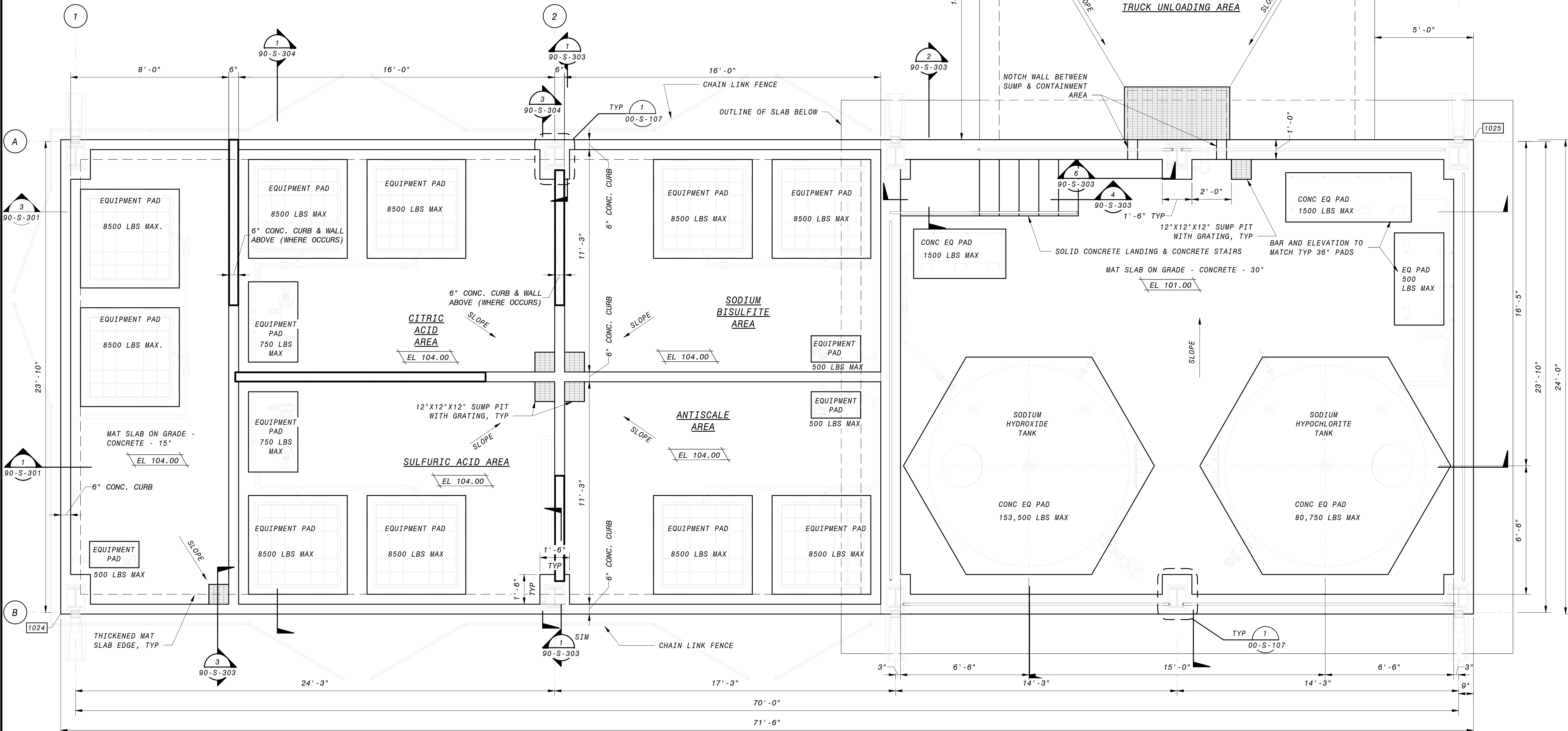
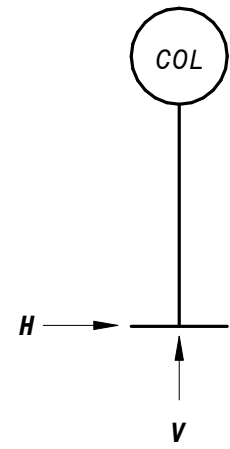
CITY OF MORRO BAY
FILANC BLACK & VEATCH DB PROPOSAL
MORRO BAY WRF
ELECTRICAL BUILDING
STRUCTURAL
SECTIONS

GENERAL NOTES

- PLEASE SEE SOILS REPORT FOR ADDITIONAL SPECIFICATIONS AND RECOMMENDATIONS. IT IS THE DESIGN-BUILDER'S RESPONSIBILITY TO OBTAIN A COPY OF THE SOILS REPORT FROM THE OWNER OR OWNERS REPRESENTATIVE.
- NOT USED.
- FOR GENERAL STRUCTURAL NOTES, SEE SHEETS 00-S-002 AND STANDARD SPECIFICATIONS
- DESIGN-BUILDER TO VERIFY ALL DIMENSIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- ALL LAP SPLICES TO BE CLASS B PER DETAIL 1/00-S-101.
- SUBMIT EQUIPMENT WEIGHT FOR REVIEW PRIOR TO INSTALLATION. LOCATION AND SIZE OF EQUIPMENT PADS TO BE COORDINATED WITH MECHANICAL/ELECTRICAL/PLUMBING DRAWINGS. EQUIPMENT ANCHORAGE PER PROJECT SPECIFICATIONS.
- REFER TO MECHANICAL/ELECTRICAL/PLUMBING DRAWINGS FOR SIZE AND LOCATIONS OF PIPE PENETRATIONS AND WALL OPENINGS. SEE DETAIL 9/00-S-101 FOR TYPICAL REINFORCEMENT REQUIREMENTS. COORDINATE PIPE PENETRATION SEAL WITH MECHANICAL ENGINEER OF RECORD.
- COORDINATE LOCATION AND DETAILING FOR ATTACHMENT OF MECHANICAL SUPPORTS WITH BUILDING MANUFACTURER AND MECHANICAL ENGINEER OF RECORD PRIOR TO INSTALLATION.
- COORDINATE COLUMN SIZE, LOCATION, AND ATTACHMENT WITH BUILDING MANUFACTURER PRIOR TO INSTALLATION. SEE DETAILS 1 & 2/00-SS-107 FOR ADDITIONAL REINFORCEMENT REQUIREMENTS AT COLUMN ANCHORAGE.
- IF SPLICES RESULT IN CLEAR SPACING LESS THAN ACI CODE MINIMUMS, PROVIDE TYPE 2 MECHANICAL SPLICES. MECHANICAL CONNECTORS SHALL BE SUBMITTED FOR REVIEW AND APPROVAL.
- FOR TYPICAL MAT SLAB EDGE, REFER TO DETAIL 13/00-S-102
- FURNISH GALVANIZED STEEL GRATING DESIGNED FOR OUTDOOR INSTALLATION IN A COASTAL ENVIRONMENT. GRATING SHALL BE DESIGNED FOR 100 PSF UNIFORM DISTRIBUTED LIVE LOAD, 300 LB CONCENTRATED LIVE LOAD, AND LESSER OF L/200 OR 1/4" DEFLECTION. COLOR SHALL BE SELECTED IN SUBMITTAL REVIEW FROM MANUFACTURER STANDARD COLOR SELECTIONS.

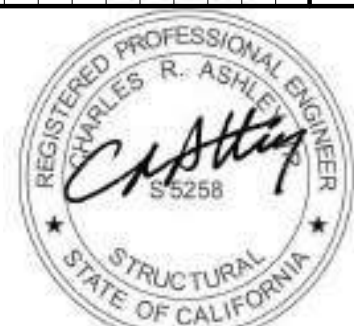
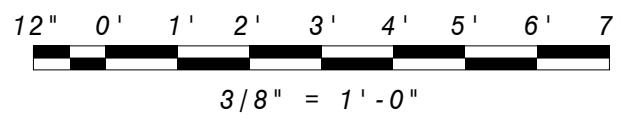
NOTES:

- DESIGN AND DRAWINGS FOR STEEL FRAME PRE-ENGINEERED METAL BUILDING TO BE PROVIDED BY BUILDING MFR. SEE SPECIFICATIONS FOR DESIGN CRITERIA.
 - FOUNDATION DESIGN HAS BEEN BASED ON THE FOLLOWING FRAME REACTIONS, ASSUMING A PINNED COLUMN BASE:
- | LOAD | VERTICAL V (K) | HORIZONTAL H (K) |
|------------|----------------|------------------|
| DEAD | 2.0 | 0.5 |
| ROOF LIVE | 8.0 | 0.5 |
| SEISMIC | 4.0 | 1.5 |
| WIND (MAX) | 20.0 | 5.0 |
| WIND (MIN) | -20.0 | -5.0 |
- FOUNDATION HAS BEEN DESIGNED FOR A LIVE LOAD OF 150 PSF.
 - FRAME REACTIONS INCLUDE BOTH PRINCIPLE DIRECTIONS AND ORTHOGONAL COMBINATION EFFECTS.



OPERATING FLOOR PLAN

3/8" = 1'-0"



Ashley Vance
ENGINEERING, INC.
JOINT VENTURE
FILANC
BLACK & VEATCH

CITY OF MORRO BAY
FILANC BLACK & VEATCH DB PROPOSAL
MORRO BAY WRF
CHEMICAL FACILITY
STRUCTURAL
PLAN

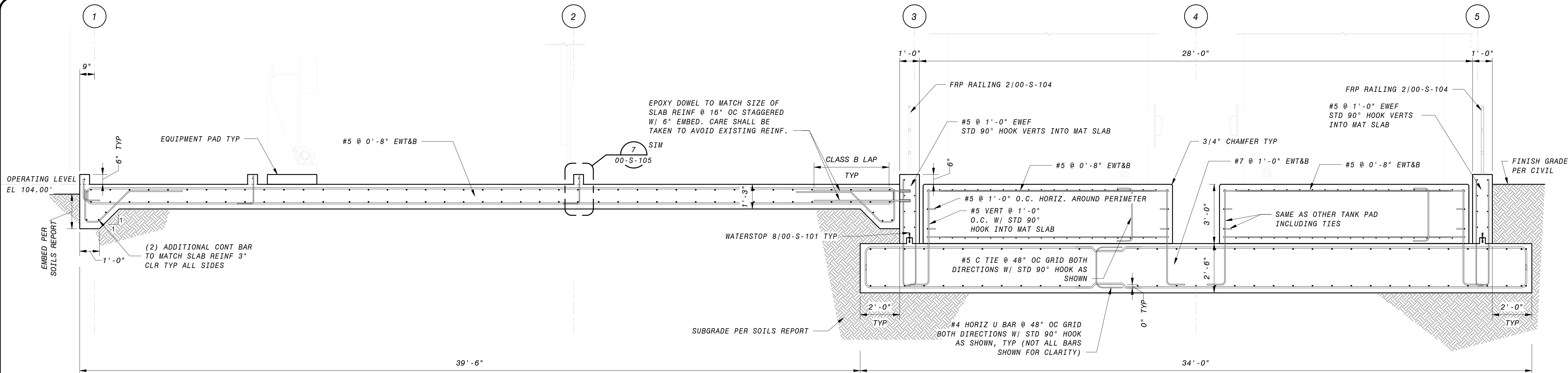
DESIGNED: C. TAYLOR
DETAILED: S. BENJAMIN
CHECKED: I. SHOEBRIDGE
APPROVED: C. ASHLEY
DATE: 5/19/2020

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

PROJECT NO.
400530

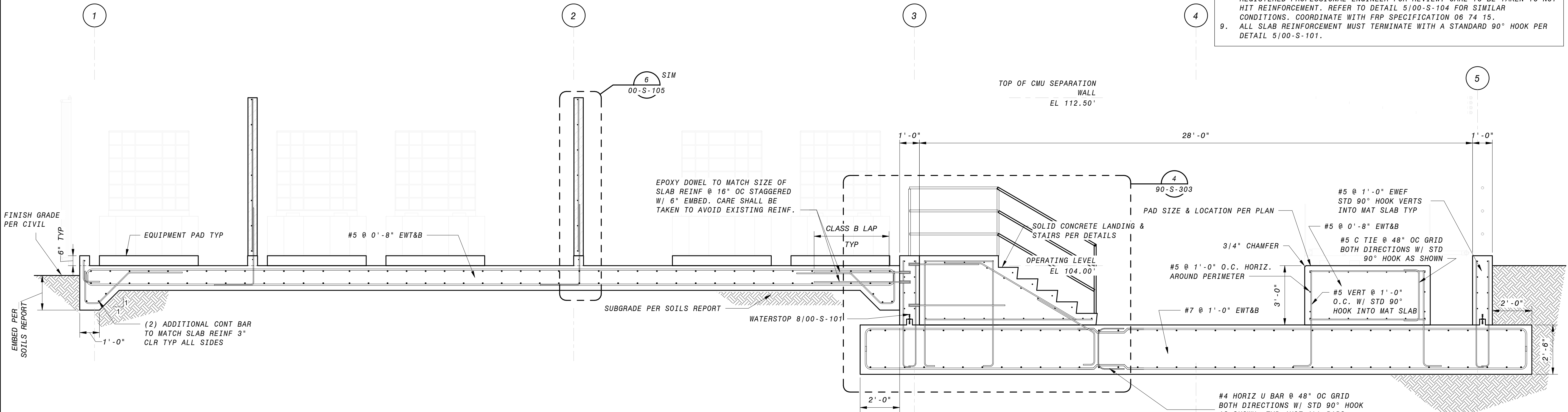
90-S-101
SHEET
221 OF 412

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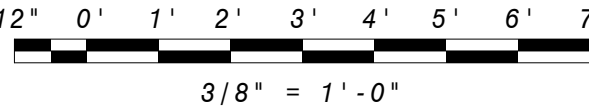


SECTION
1
90-S-101 3/8" = 1'-0"

- GENERAL SECTION NOTES**
- FOR GENERAL STRUCTURAL NOTES, SEE SHEETS 00-S-002 AND STANDARD SPECIFICATIONS.
 - AT WALLS 12" THICK OR LESS, PROVIDE A 6" WATERSTOP, UNO. AT WALLS GREATER THAN 12" THICK, PROVIDE A 9" WATERSTOP, UNO. REFER TO DETAIL 2 ON SHEET 00-S-103.
 - REINFORCEMENT CLEAR COVER TO BE 2" EF FOR WALLS, 2" AT TOP OF SLABS, AND 3" AT BOTTOM OF SLABS, TYP., UNO.
 - ALL LAP SPLICES TO BE CLASS B PER DETAIL 1/00-S-101.
 - REFER TO MECHANICAL DRAWINGS FOR SIZE AND LOCATIONS OF PIPE PENETRATIONS AND WALL OPENINGS. SEE DETAIL 9/00-S-101 FOR TYPICAL REINFORCEMENT REQUIREMENTS. COORDINATE PIPE PENETRATION SEAL WITH MECHANICAL EOR (WHERE OCCURS).
 - SUBMIT EQUIPMENT WEIGHT FOR REVIEW PRIOR TO INSTALLATION. SEE DETAIL 1/00-S-105 FOR TYPICAL EQUIPMENT PADS. LOCATION & SIZE OF EQUIPMENT PADS TO BE COORDINATED WITH MECHANICAL/ ELECTRICAL/ PLUMBING DRAWINGS. EQUIPMENT ANCHORAGE PER PROJECT SPECIFICATIONS.
 - FOR TYPICAL MAT SLAB EDGE, REFER TO DETAIL 13/00-S-102.
 - PROVIDE COMPLETE DESIGN PACKAGE FOR FRP RAILING SIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR REVIEW. CARE TO BE TAKEN TO NOT HIT REINFORCEMENT. REFER TO DETAIL 5/00-S-104 FOR SIMILAR CONDITIONS. COORDINATE WITH FRP SPECIFICATION 06 74 15.
 - ALL SLAB REINFORCEMENT MUST TERMINATE WITH A STANDARD 90° HOOK PER DETAIL 5/00-S-101.

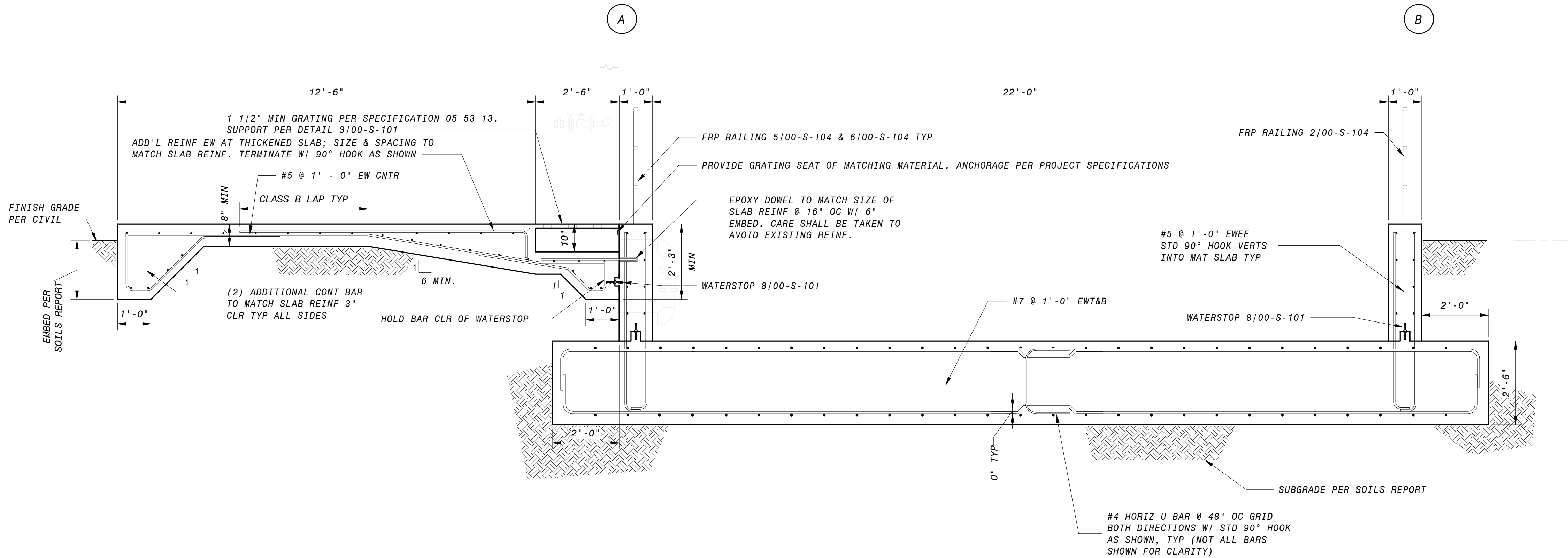


SECTION
3
90-S-101 3/8" = 1'-0"

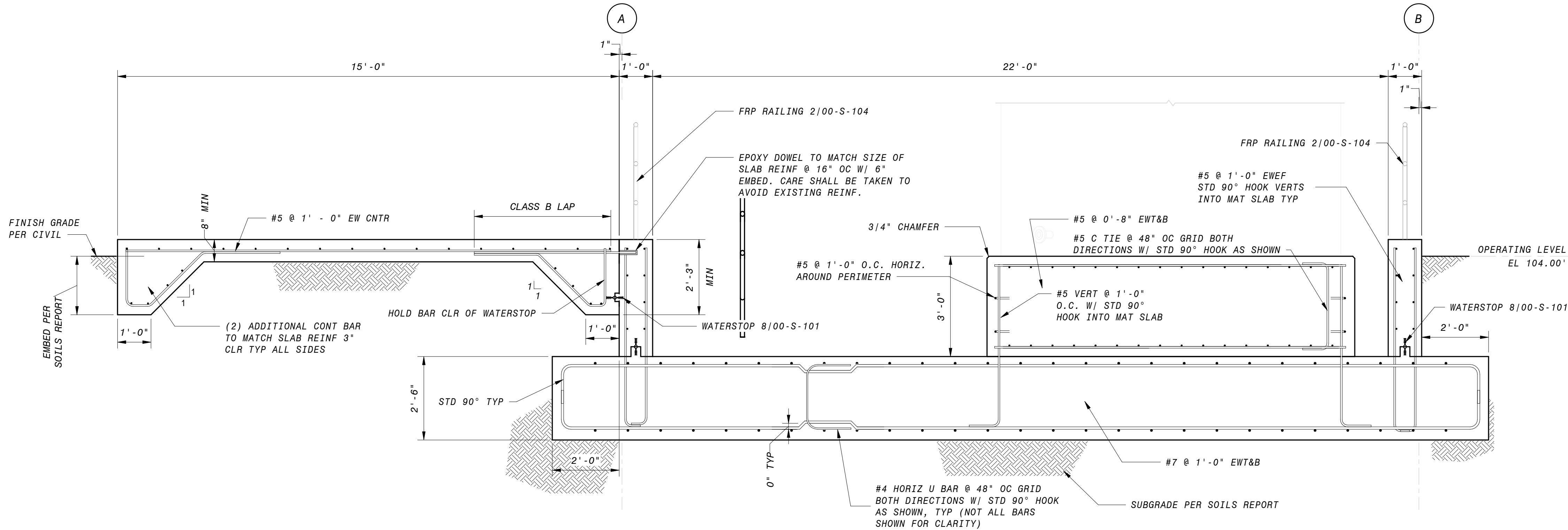


0		NO.		BY		CHK APP	
5/19/2020		ISSUED FOR CONSTRUCTION		REVISITONS AND RECORD OF USE		DATE	
				JOINT VENTURE			
CITY OF MORRO BAY		FILANC BLACK & VEATCH DB PROPOSAL		MORRO BAY WRF		CHEMICAL FACILITY STRUCTURAL SECTIONS & DETAILS	
DESIGNED: C. TAYLOR		DETAILED: S. BENJAMIN		CHECKED: I. SHOEBRIDGE		APPROVED: C. ASHLEY	
DATE: 5/19/2020		PROJECT NO. 400530		SHEET 222 OF 412		90-S-301	

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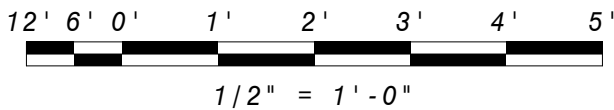
SECTION
 90-S-101 1/2" = 1'-0"



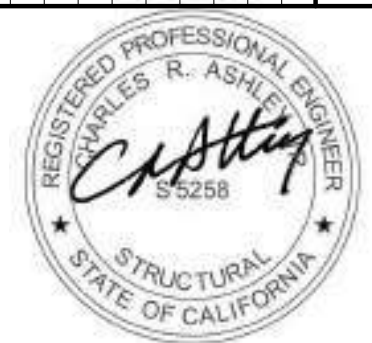
SECTION
 90-S-101 1/2" = 1'-0"

GENERAL SECTION NOTES

- FOR GENERAL STRUCTURAL NOTES, SEE SHEETS 00-S-002 AND STANDARD SPECIFICATIONS.
- AT WALLS 12" THICK OR LESS, PROVIDE A 6" WATERSTOP, UNO. AT WALLS GREATER THAN 12" THICK, PROVIDE A 9" WATERSTOP, UNO. REFER TO DETAIL 2 ON SHEET 00-S-103.
- REINFORCEMENT CLEAR COVER TO BE 2" EF FOR WALLS, 2" AT TOP OF SLABS, AND 3" AT BOTTOM OF SLABS, TYP., UNO.
- ALL LAP SPLICES TO BE CLASS B PER DETAIL 1/00-S-101.
- REFER TO MECHANICAL DRAWINGS FOR SIZE AND LOCATIONS OF PIPE PENETRATIONS AND WALL OPENINGS. SEE DETAIL 9/00-S-101 FOR TYPICAL REINFORCEMENT REQUIREMENTS. COORDINATE PIPE PENETRATION SEAL WITH MECHANICAL EOR (WHERE OCCURS).
- SUBMIT EQUIPMENT WEIGHT FOR REVIEW PRIOR TO INSTALLATION. SEE DETAIL 1/00-S-105 FOR TYPICAL EQUIPMENT PADS. LOCATION & SIZE OF EQUIPMENT PADS TO BE COORDINATED WITH MECHANICAL/ ELECTRICAL/ PLUMBING DRAWINGS. EQUIPMENT ANCHORAGE PER PROJECT SPECIFICATIONS.
- PROVIDE COMPLETE DESIGN PACKAGE FOR FRP RAILING SIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR REVIEW. CARE TO BE TAKEN TO NOT HIT REINFORCEMENT. REFER TO DETAIL 5/00-S-104 FOR SIMILAR CONDITIONS. COORDINATE WITH FRP SPECIFICATION 06 74 15.
- FURNISH GALVANIZED STEEL GRATING DESIGNED FOR OUTDOOR INSTALLATION IN A COASTAL ENVIRONMENT. GRATING SHALL BE DESIGNED FOR 100 PSF UNIFORM DISTRIBUTED LIVE LOAD, 300 LB CONCENTRATED LIVE LOAD, AND LESSER OF L/200 OR 1/4" DEFLECTION. COLOR SHALL BE SELECTED IN SUBMITTAL REVIEW FROM MANUFACTURER STANDARD COLOR SELECTIONS.



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Ashley & Vance
 ENGINEERING, INC.

JOINT VENTURE

BLACK & VEATCH

FILANC

CITY OF MORRO BAY
 FILANC BLACK & VEATCH DB PROPOSAL
 MORRO BAY WRF

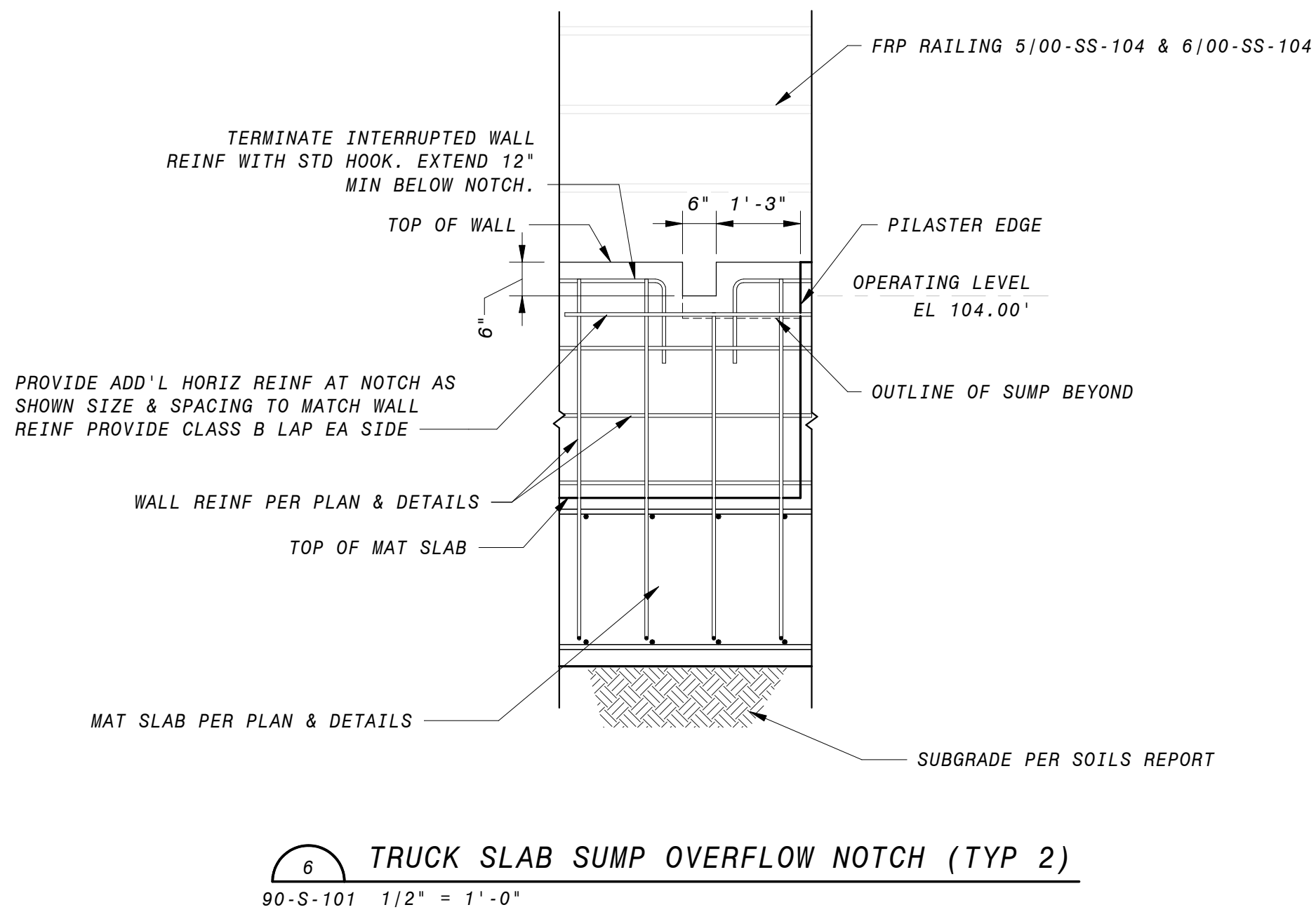
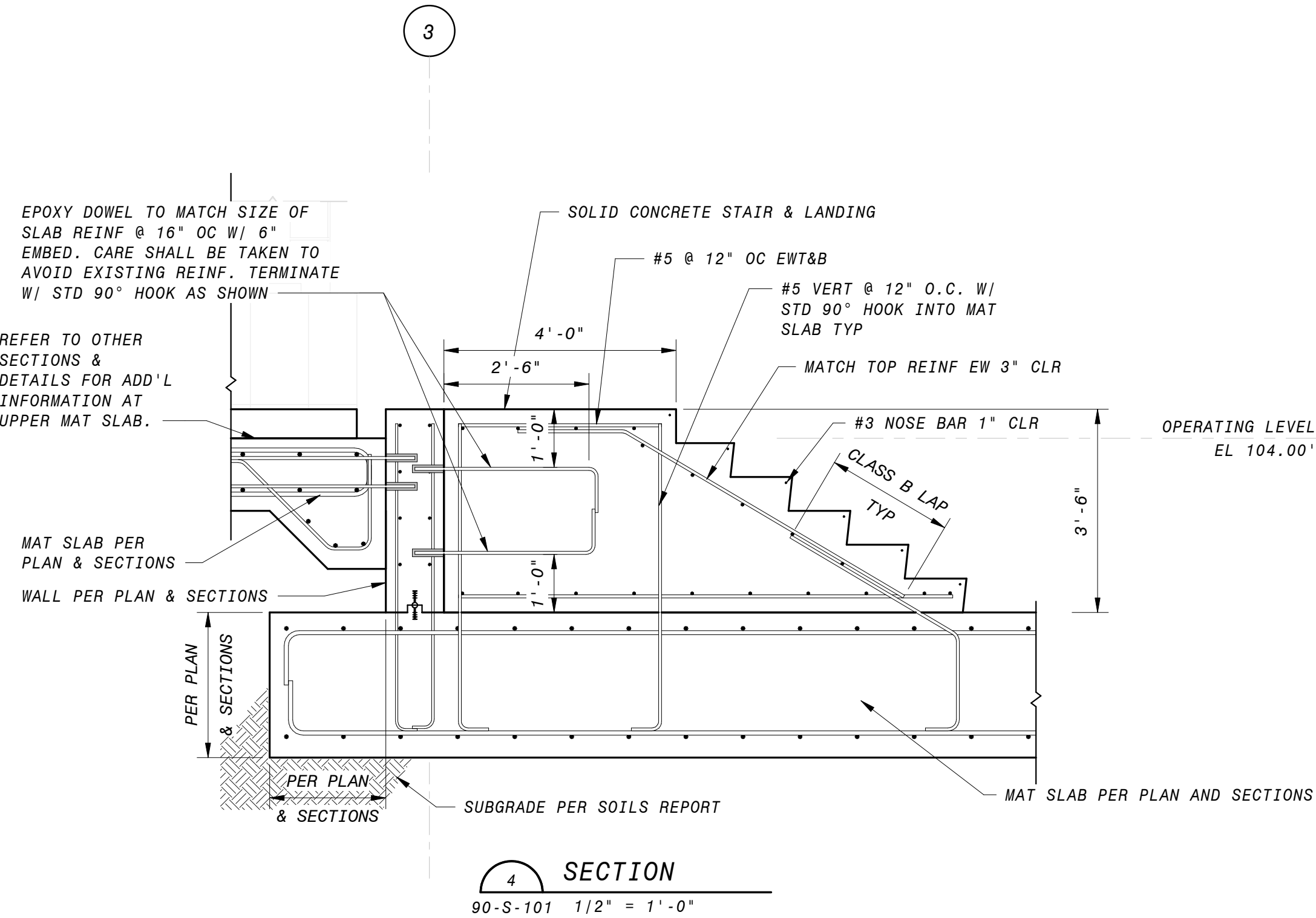
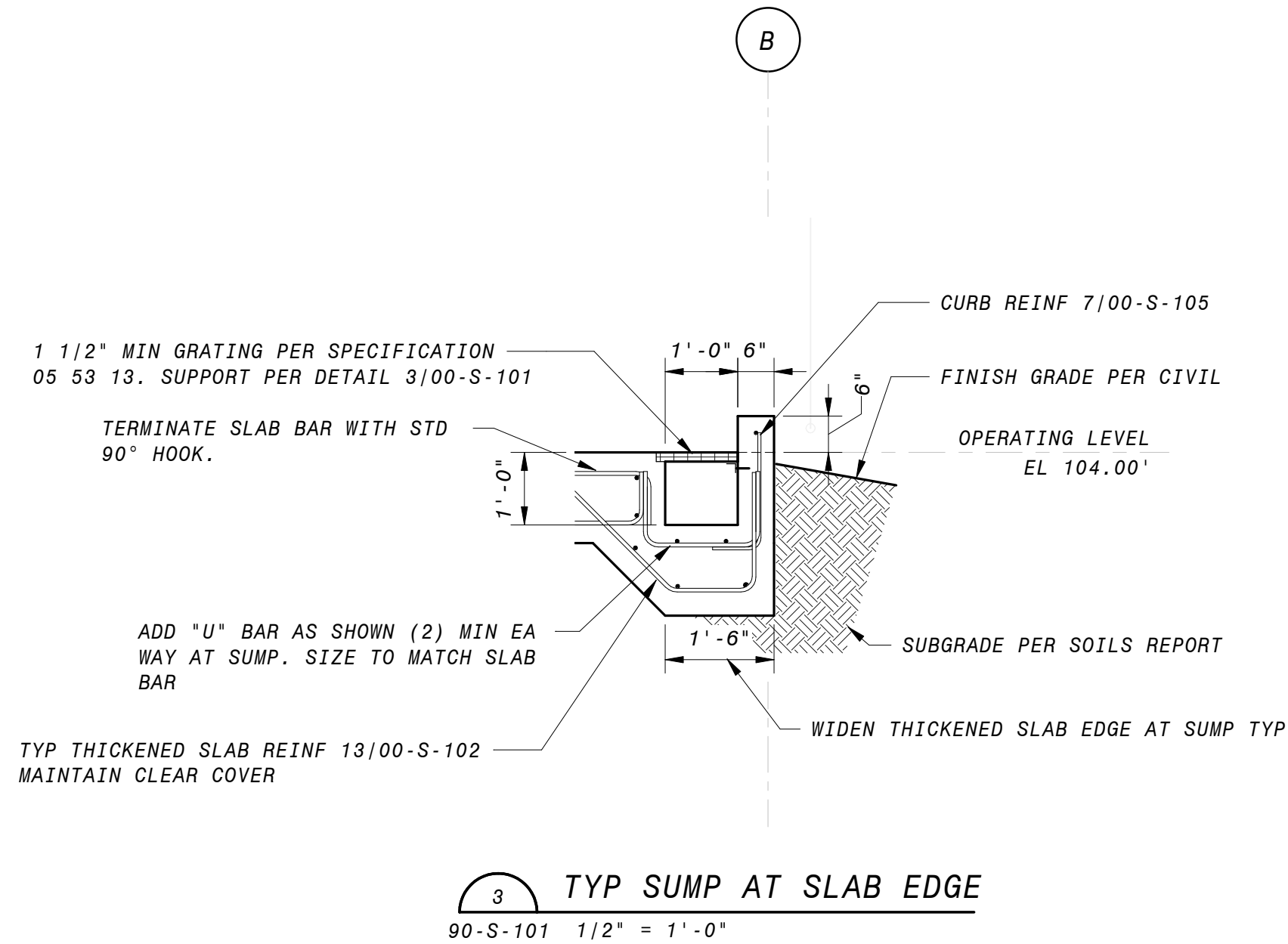
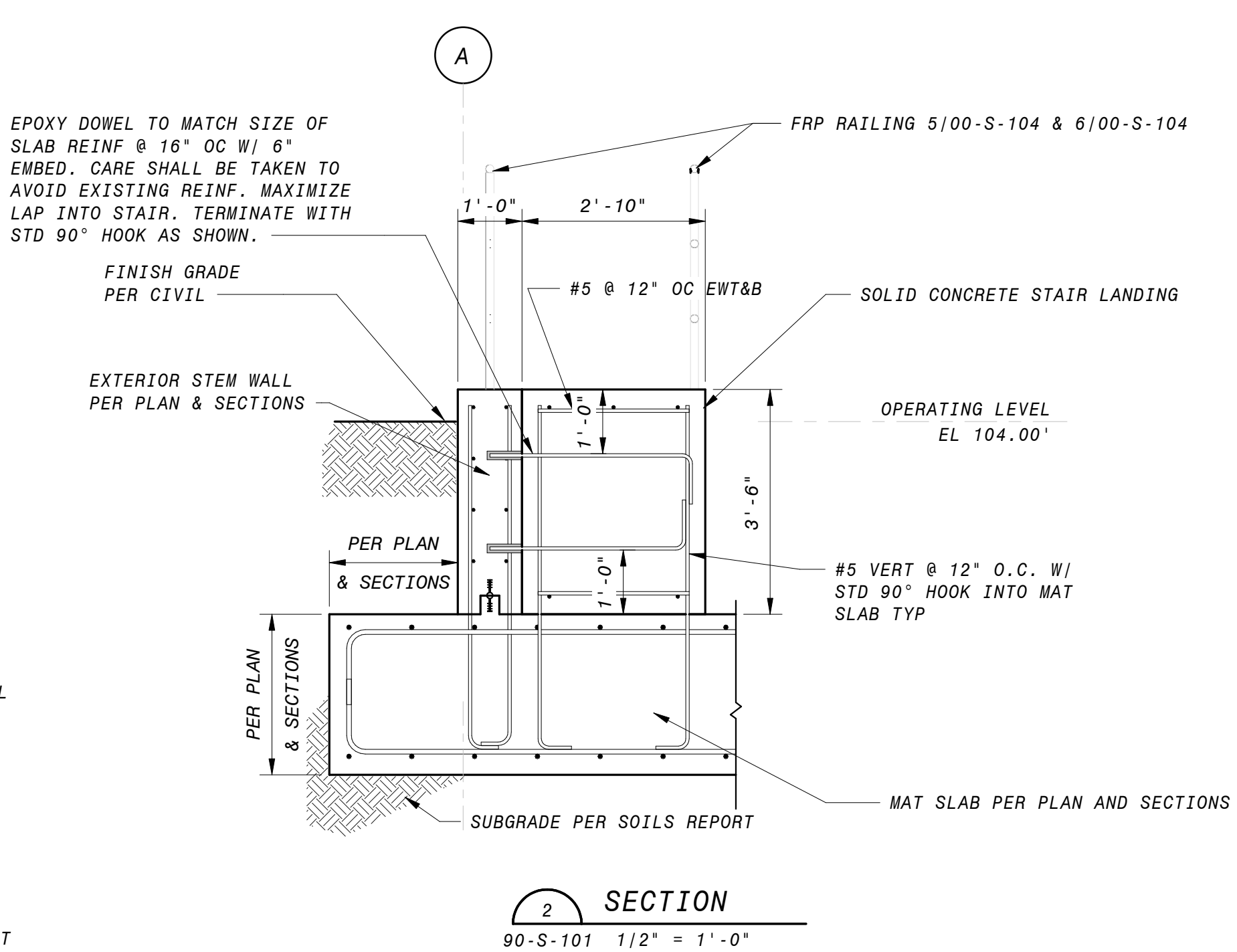
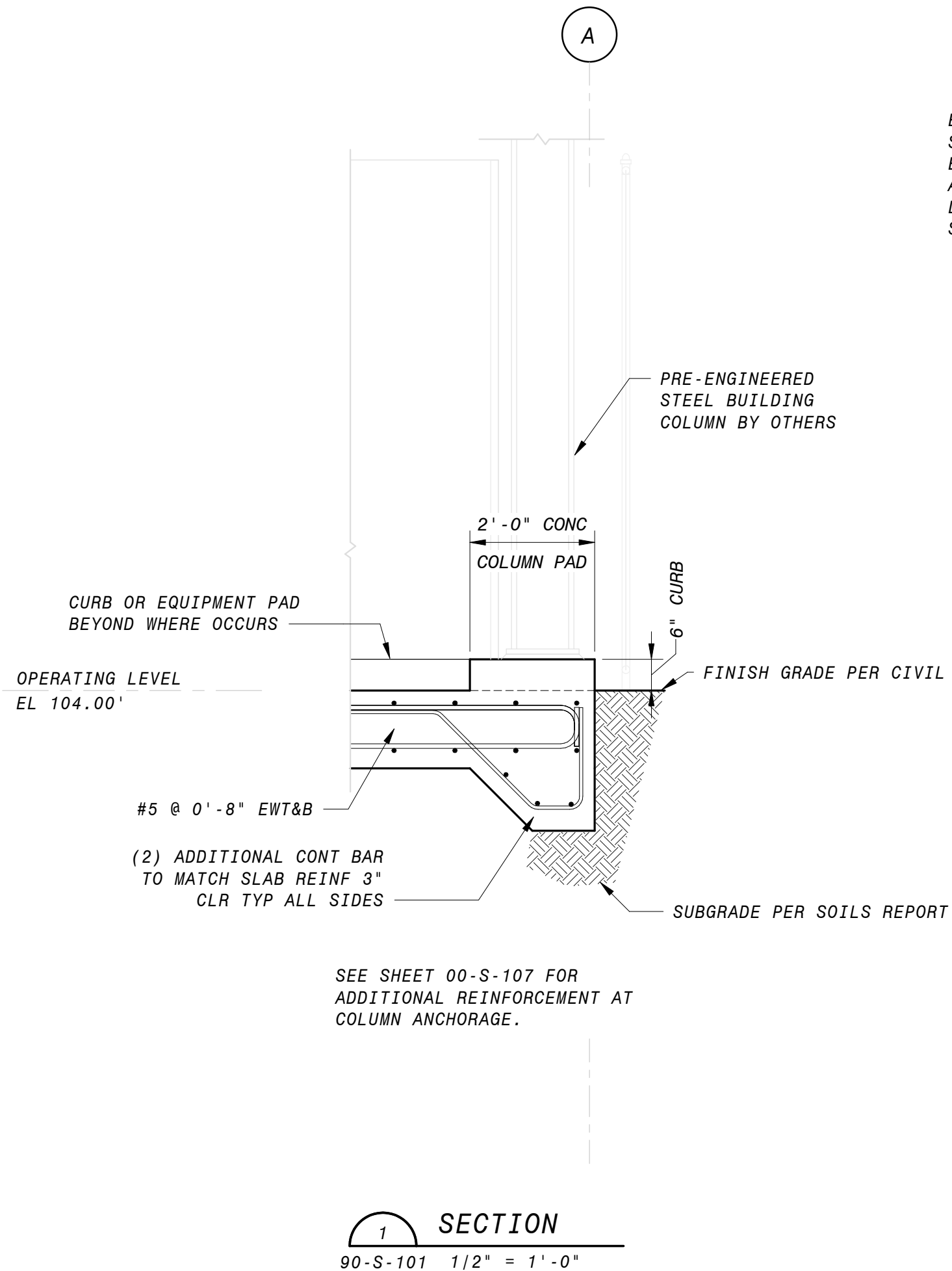
CHEMICAL FACILITY
 STRUCTURAL
 SECTIONS & DETAILS

DESIGNED: C. TAYLOR
 DETAILED: S. BENJAMIN
 CHECKED: I. SHOEBRIDGE
 APPROVED: C. ASHLEY
 DATE: 5/19/2020

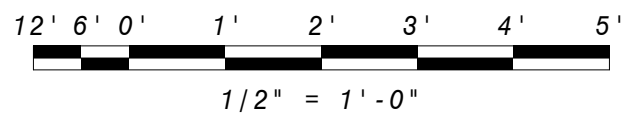
PROJECT NO.
 400530

90-S-302
 SHEET
 223 OF 412

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- GENERAL SECTION NOTES**
- FOR GENERAL STRUCTURAL NOTES, SEE SHEETS 00-S-002 AND STANDARD SPECIFICATIONS.
 - AT WALLS 12" THICK OR LESS, PROVIDE A 6" WATERSTOP, UNO. AT WALLS GREATER THAN 12" THICK, PROVIDE A 9" WATERSTOP, UNO. REFER TO DETAIL 2 ON SHEET 00-S-103.
 - REINFORCEMENT CLEAR COVER TO BE 2" EF FOR WALLS, 2" AT TOP OF SLABS, AND 3" AT BOTTOM OF SLABS, TYP., UNO
 - ALL LAP SPLICES TO BE CLASS B PER DETAIL 1/00-S-101.
 - REFER TO MECHANICAL DRAWINGS FOR SIZE AND LOCATIONS OF PIPE PENETRATIONS AND WALL OPENINGS. SEE DETAIL 9/00-S-101 FOR TYPICAL REINFORCEMENT REQUIREMENTS. COORDINATE PIPE PENETRATION SEAL WITH MECHANICAL EOR (WHERE OCCURS).
 - SUBMIT EQUIPMENT WEIGHT FOR REVIEW PRIOR TO INSTALLATION. SEE DETAIL 1/00-S-105 FOR TYPICAL EQUIPMENT PADS. LOCATION & SIZE OF EQUIPMENT PADS TO BE COORDINATED WITH MECHANICAL/ ELECTRICAL/ PLUMBING DRAWINGS. EQUIPMENT ANCHORAGE PER PROJECT SPECIFICATIONS.
 - PROVIDE COMPLETE DESIGN PACKAGE FOR FRP RAILING SIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR REVIEW. CARE TO BE TAKEN TO NOT HIT REINFORCEMENT. REFER TO DETAIL 5/00-S-104 FOR SIMILAR CONDITIONS. COORDINATE WITH FRP SPECIFICATION 06 74 15
 - AT ALL SUMPS, PROVIDE SUPPLEMENTAL DIAGONAL BARS AT CORNERS (WHERE ACCESSIBLE) PER DETAIL 9/00-S-101.



DESIGNED: C. TAYLOR	
DETAILED: S. BENJAMIN	
CHECKED: I. SHOEBRIDGE	
APPROVED: C. ASHLEY	
DATE: 5/19/2020	
0 1/2 1	
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE	
PROJECT NO. 400530	
90-S-303	
SHEET 224 OF 412	

ISSUED FOR CONSTRUCTION	NO. BY	CHK APP
5/19/2020	0	
DATE	REVISONS AND RECORD OF USE	

REGISTERED PROFESSIONAL ENGINEER
CHARLES R. ASHLEY
55258
STRUCTURAL
STATE OF CALIFORNIA

Ashley Vance
ENGINEERING, INC.

JOINT VENTURE

FILANC

BLACK & VEATCH

CITY OF MORRO BAY

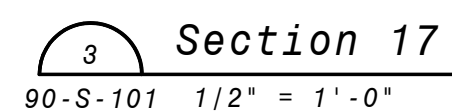
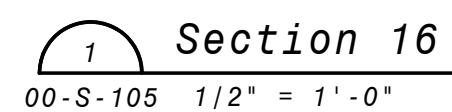
FILANC BLACK & VEATCH DB PROPOSAL

MORRO BAY WRF

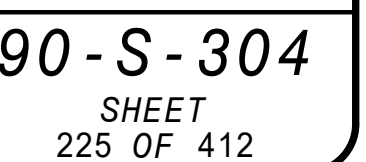
CHEMICAL FACILITY

STRUCTURAL

SECTIONS & DETAILS



SIGNED: C. TAYLOR
TAILED: S. BENJAMIN
CKED: I. SHOEBRIDGE
ROVED: C. ASHLEY
E: 5/19/2020



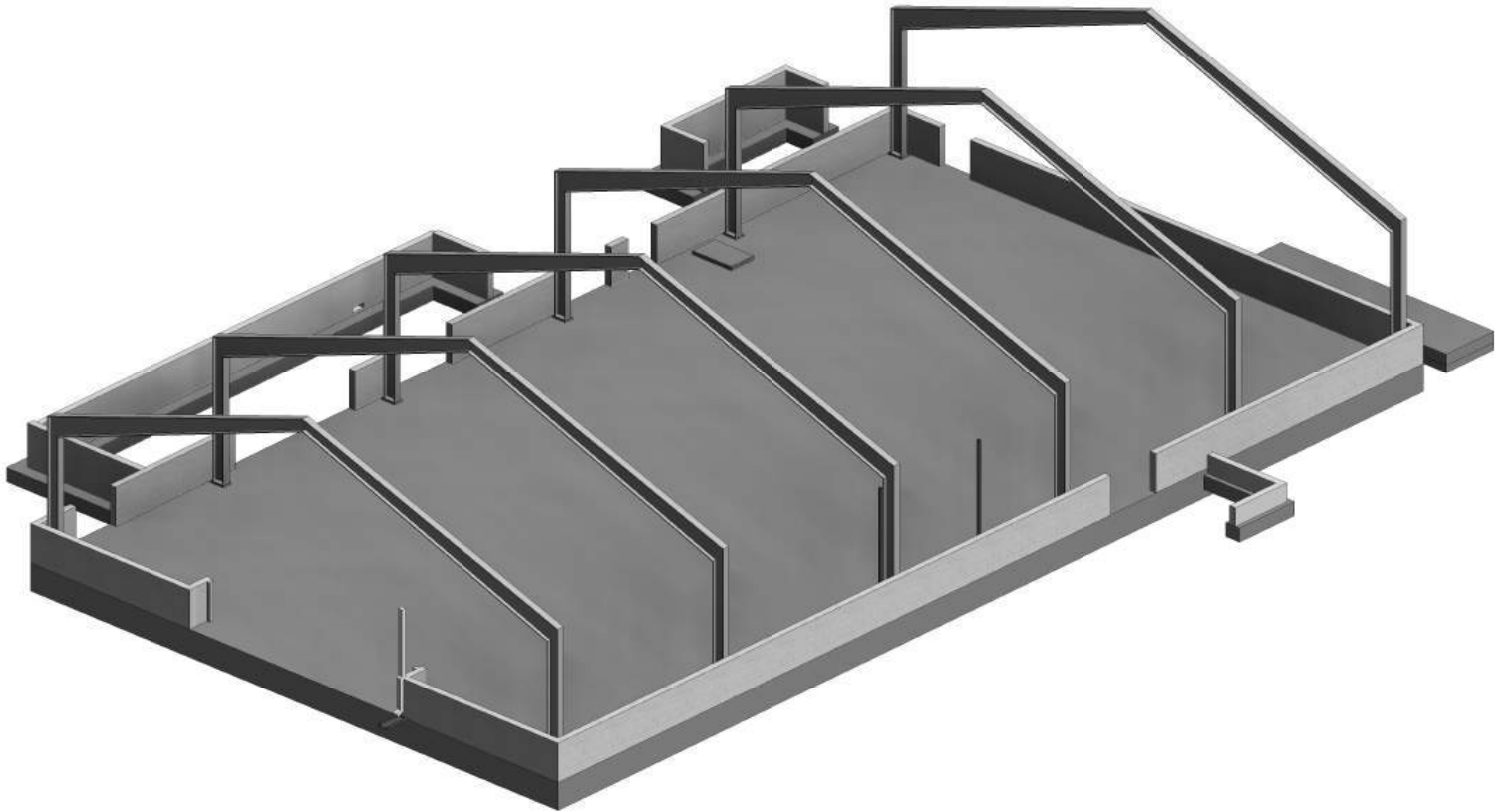
FILANC  **BLACK & VEATCH**

Ashley & Vance
ENGINEERING, INC.

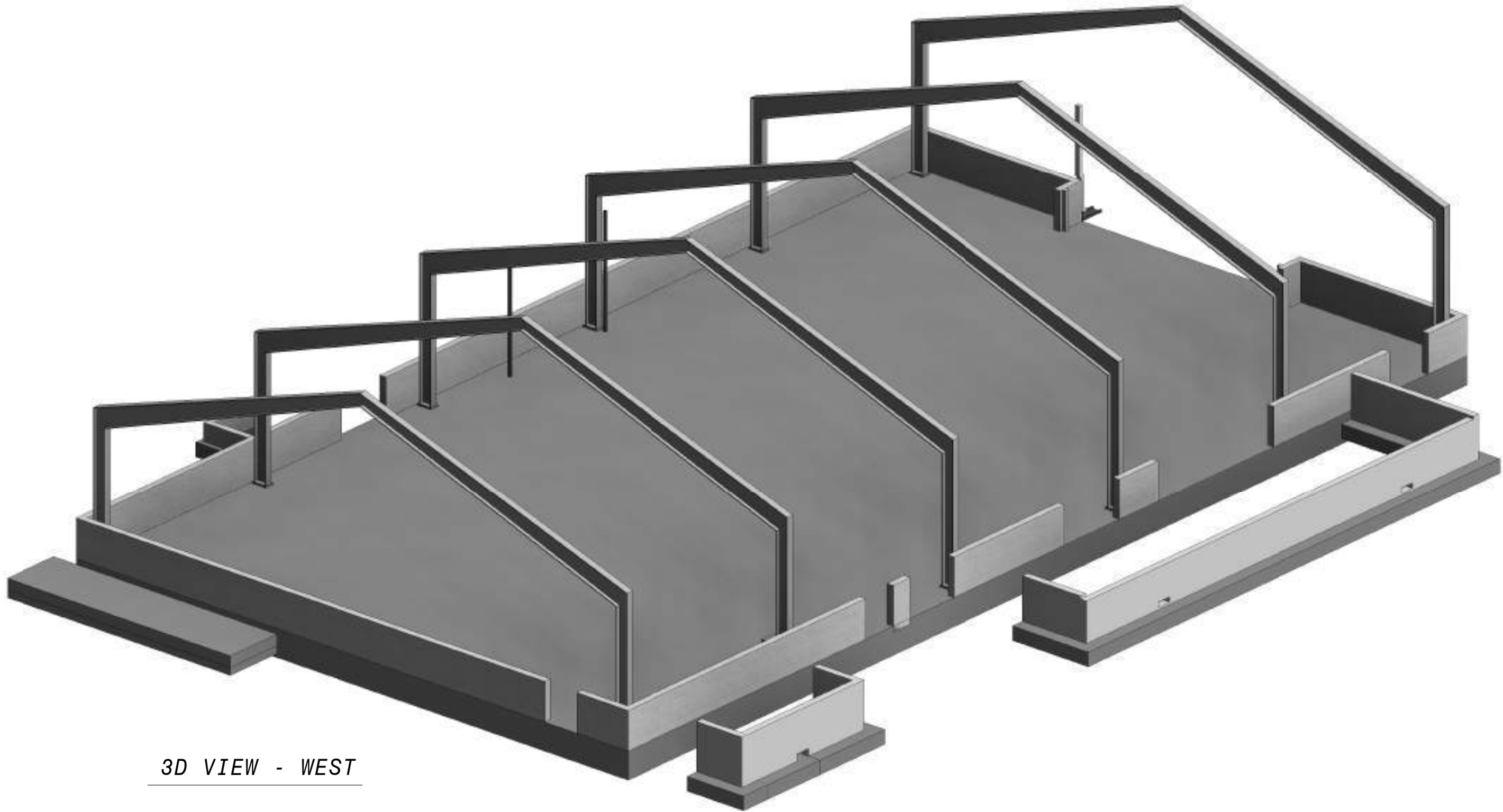
JOINT VENTURE

CITY OF MORRO BAY
FILANC BLACK & VEATCH DB PROPOSAL
MORRO BAY WRF

CHEMICAL FACILITY
STRUCTURAL
SECTIONS & DETAILS



3D VIEW - EAST



3D VIEW - WEST

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NO.		BY	DATE	ISSUED FOR CONSTRUCTION	REVISED AND RECORD OF USE
0					





JOINT VENTURE



CITY OF MORRO BAY
FILANC BLACK & VEATCH DB PROPOSAL
WATER RECLAMATION FACILITY (WRF)
OPERATIONS BUILDING
STRUCTURAL
3D VIEWS

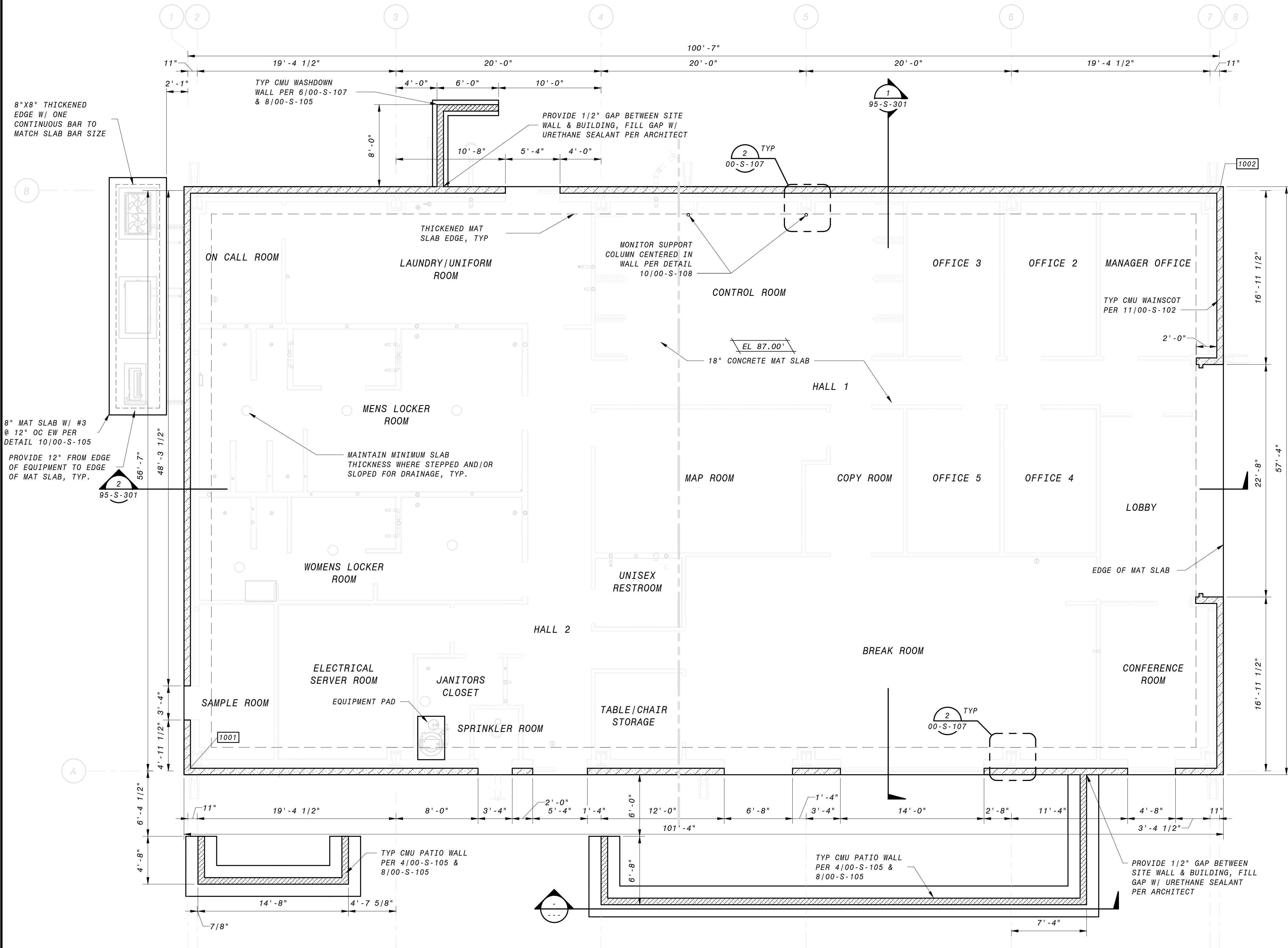
DESIGNED: M. MARSH
DETAILED: S. BENJAMIN
CHECKED: I. SHOEBRIDGE
APPROVED: C. ASHLEY
DATE: 5/19/2020

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

PROJECT NO.
400530

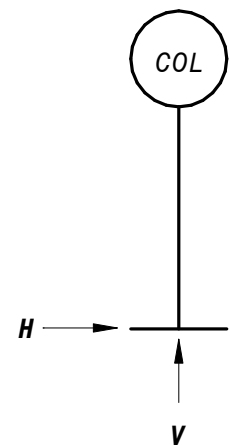
95-S-001
SHEET
226 OF 412

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NOTES:

- DESIGN AND DRAWINGS FOR STEEL FRAME PRE-ENGINEERED METAL BUILDING TO BE PROVIDED BY BUILDING MFR. SEE SPECIFICATIONS FOR DESIGN CRITERIA.
- FOUNDATION DESIGN HAS BEEN BASED ON THE FOLLOWING FRAME REACTIONS, ASSUMING A PINNED COLUMN BASE:



LOAD	VERTICAL V (K)	HORIZONTAL H (K)
DEAD	6.0	0.5
ROOF LIVE	10.5	1.5
SEISMIC	16.5	8.0
WIND (MAX)	7.5	7.0
WIND (MIN)	-21.5	-3.5

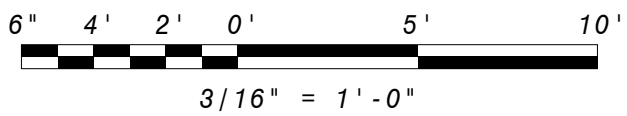
- FOUNDATION HAS BEEN DESIGNED FOR A LIVE LOAD OF 100 PSF.
- FRAME REACTIONS INCLUDE BOTH PRINCIPLE DIRECTIONS AND ORTHOGONAL COMBINATION EFFECTS.

GENERAL NOTES

- PLEASE SEE SOILS REPORT FOR ADDITIONAL SPECIFICATIONS AND RECOMMENDATIONS. IT IS THE DESIGN-BUILDER'S RESPONSIBILITY TO OBTAIN A COPY OF THE SOILS REPORT FROM THE OWNER OR OWNERS REPRESENTATIVE.
- NOT USED.
- FOR GENERAL STRUCTURAL NOTES, SEE SHEETS 00-S-002 AND STANDARD SPECIFICATIONS.
- VERIFY ALL DIMENSIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- ALL LAP SPLICES TO BE CLASS B PER DETAIL 1/00-S-101
- SUBMIT EQUIPMENT WEIGHT FOR REVIEW PRIOR TO INSTALLATION. SEE DETAIL 1/00-S-105 FOR TYPICAL INTERIOR EQUIPMENT PADS AND DETAIL 10/00-S-105 FOR TYPICAL EXTERIOR EQUIPMENT PADS. LOCATION AND SIZE OF EQUIPMENT PADS TO BE COORDINATED WITH MECHANICAL/ELECTRICAL/PLUMBING DRAWINGS. EQUIPMENT ANCHORAGE PER PROJECT SPECIFICATIONS.
- REFER TO MECHANICAL/ELECTRICAL/PLUMBING DRAWINGS FOR SIZE AND LOCATIONS OF PIPE PENETRATIONS AND WALL OPENINGS. SEE DETAIL 9/00-S-101 FOR TYPICAL REINFORCEMENT REQUIREMENTS. COORDINATE PIPE PENETRATION SEAL WITH MECHANICAL ENGINEER OF RECORD.
- COORDINATE LOCATION AND DETAILING FOR ATTACHMENT OF MECHANICAL SUPPORTS WITH BUILDING MANUFACTURER AND MECHANICAL ENGINEER OF RECORD PRIOR TO INSTALLATION.
- COORDINATE ALL INTERIOR WALLS WITH ARCHITECTURAL DRAWINGS. SEE SHEET 00-S-106 AND PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION
- COORDINATE COLUMN SIZE, LOCATION, AND ATTACHMENT WITH BUILDING MANUFACTURER PRIOR TO INSTALLATION.
- IF SPLICES RESULT IN CLEAR SPACING LESS THAN ACI CODE MINIMUMS, PROVIDE TYPE 2 MECHANICAL SPLICES. MECHANICAL CONNECTORS SHALL BE SUBMITTED FOR REVIEW AND APPROVAL.
- SUBGRADE FOR MAT SLAB SHOULD BE PREPARED PER SOILS REPORT & DETAIL 2/00-S-102

OPERATING FLOOR PLAN

3/16" = 1'-0"



ISSUED FOR CONSTRUCTION	NO.	BY
5/19/2020	0	
DATE	REVISITONS AND RECORD OF USE	



Ashley & Vance
ENGINEERING, INC.

JOINT VENTURE

BLACK & VEATCH

FILANC

CITY OF MORRO BAY
FILANC BLACK & VEATCH DB PROPOSAL
WATER RECLAMATION FACILITY (WRF)

OPERATIONS BUILDING
STRUCTURAL
FLOOR PLAN

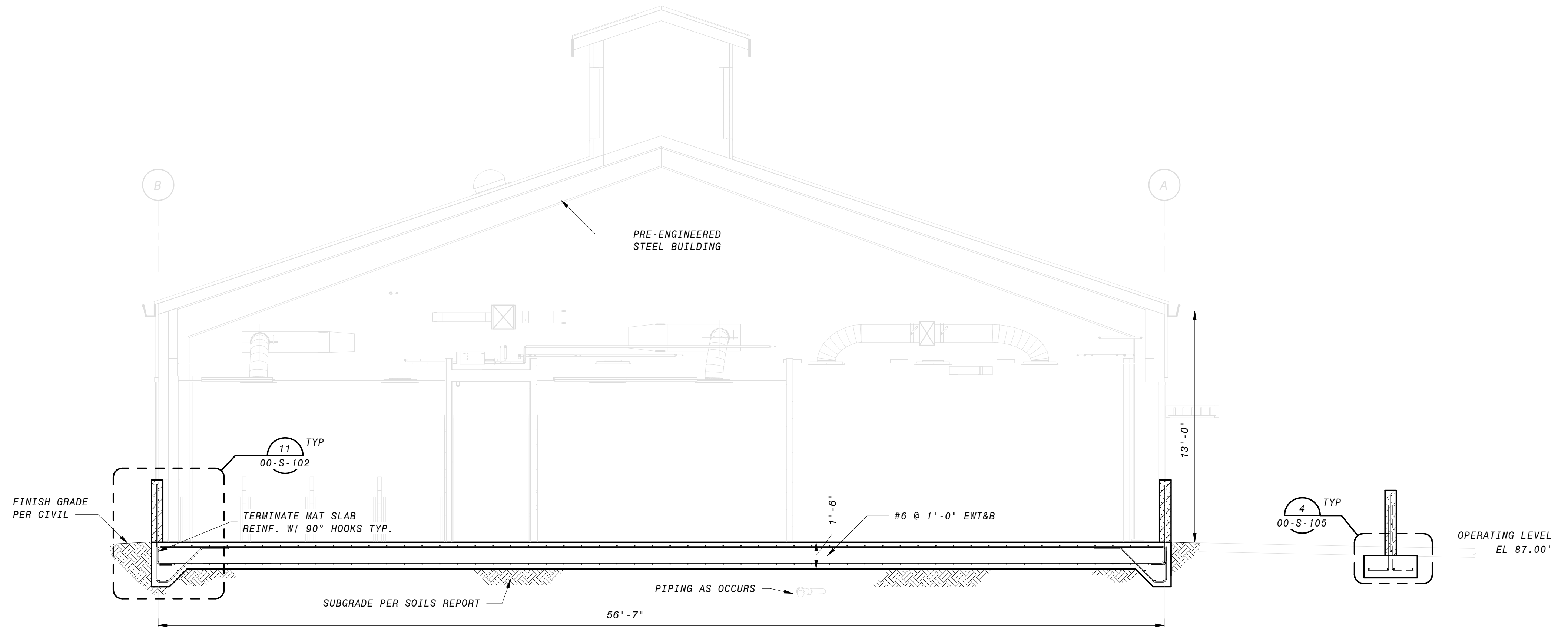
DESIGNED: M. MARSH
DETAILED: S. BENJAMIN
CHECKED: I. SHOEBRIDGE
APPROVED: C. ASHLEY
DATE: 5/19/2020

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

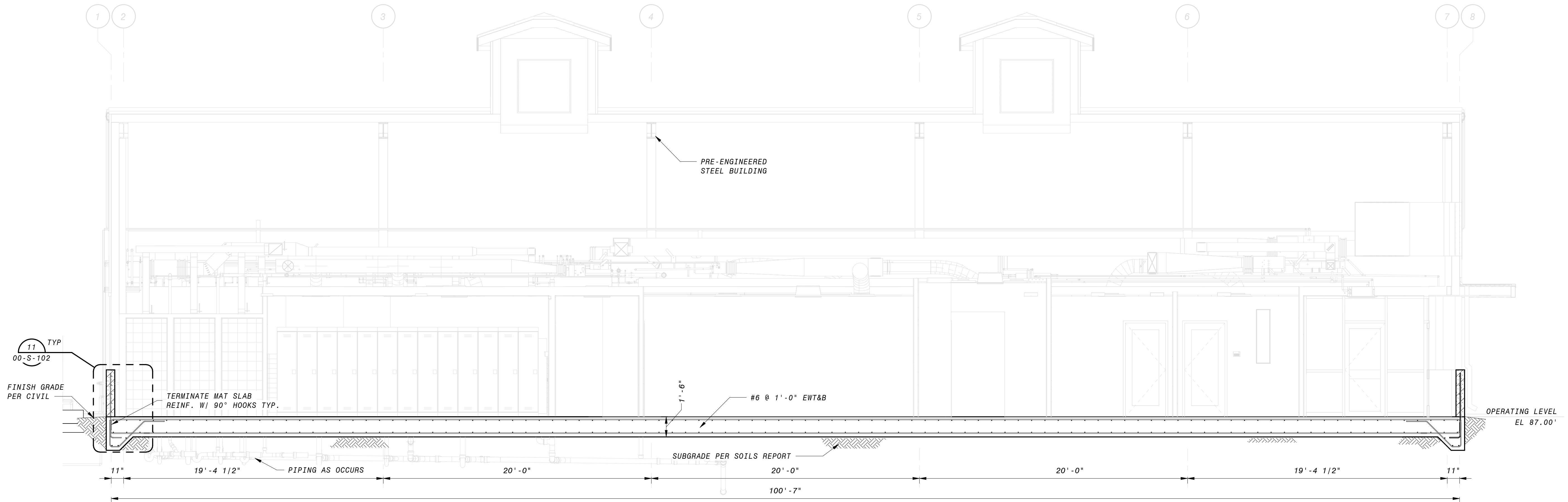
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95-S-101
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227 OF 412

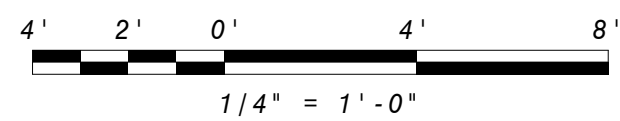
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SECTION
1
95-S-101 1/4" = 1'-0"



SECTION
2
95-S-101 1/4" = 1'-0"



GENERAL SECTION NOTES

1. FOR GENERAL STRUCTURAL NOTES, SEE SHEETS 00-S-002 AND STANDARD SPECIFICATIONS.
2. REINFORCEMENT CLEAR COVER TO BE 2" EF FOR WALLS, 2" AT TOP OF SLABS, AND 3" AT BOTTOM OF SLABS, TYP., UNO
3. ALL LAP SPLICES TO BE CLASS B PER DETAIL 1/00-S-101.
4. REFER TO MECHANICAL DRAWINGS FOR SIZE AND LOCATIONS OF PIPE PENETRATIONS AND WALL OPENINGS. SEE DETAIL 9/00-S-101 FOR TYPICAL REINFORCEMENT REQUIREMENTS. COORDINATE PIPE PENETRATION SEAL WITH MECHANICAL EOR (WHERE OCCURS).
5. SUBMIT EQUIPMENT WEIGHT FOR REVIEW PRIOR TO INSTALLATION. SEE DETAIL 1/00-S-105 FOR TYPICAL INTERIOR EQUIPMENT PADS AND DETAIL 10/00-S-105 FOR TYPICAL EXTERIOR EQUIPMENT PADS. LOCATION AND SIZE OF EQUIPMENT PADS TO BE COORDINATED WITH CHANICAL/ELECTRICAL/PLUMBING DRAWINGS. EQUIPMENT ANCHORAGE PER PROJECT SPECIFICATIONS.
6. COORDINATE LOCATION AND DETAILING FOR ATTACHMENT OF MECHANICAL SUPPORTS WITH BUILDING MANUFACTURER AND MECHANICAL ENGINEER OF RECORD PRIOR TO INSTALLATION.
7. COORDINATE ALL INTERIOR WALLS WITH ARCHITECTURAL DRAWINGS. SEE SHEET 00-S-106 AND PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION



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ENGINEERING, INC.

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BLACK & VEATCH

CITY OF MORRO BAY
FILANC BLACK & VEATCH DB PROPOSAL
WATER RECLAMATION FACILITY (WRF)

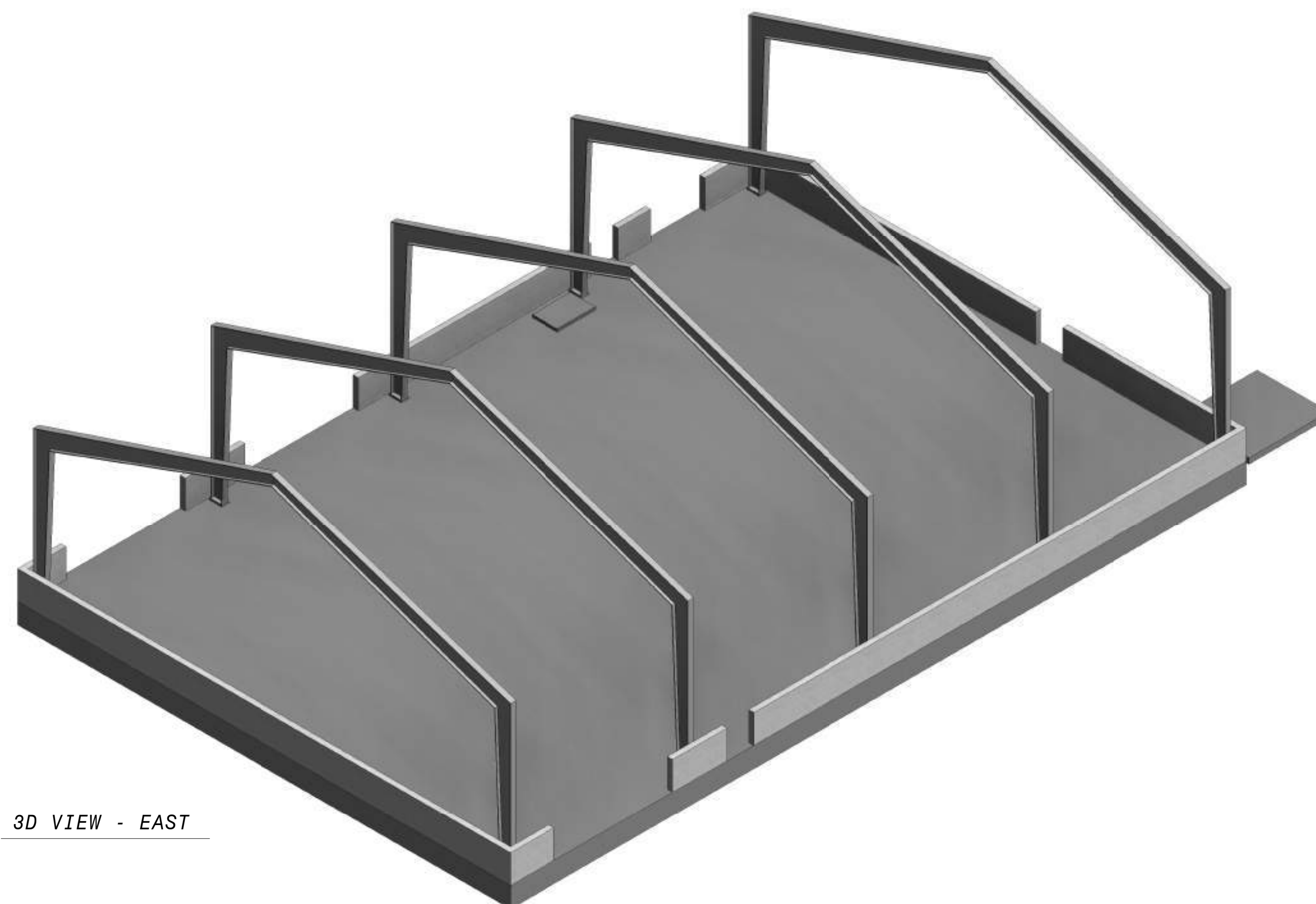
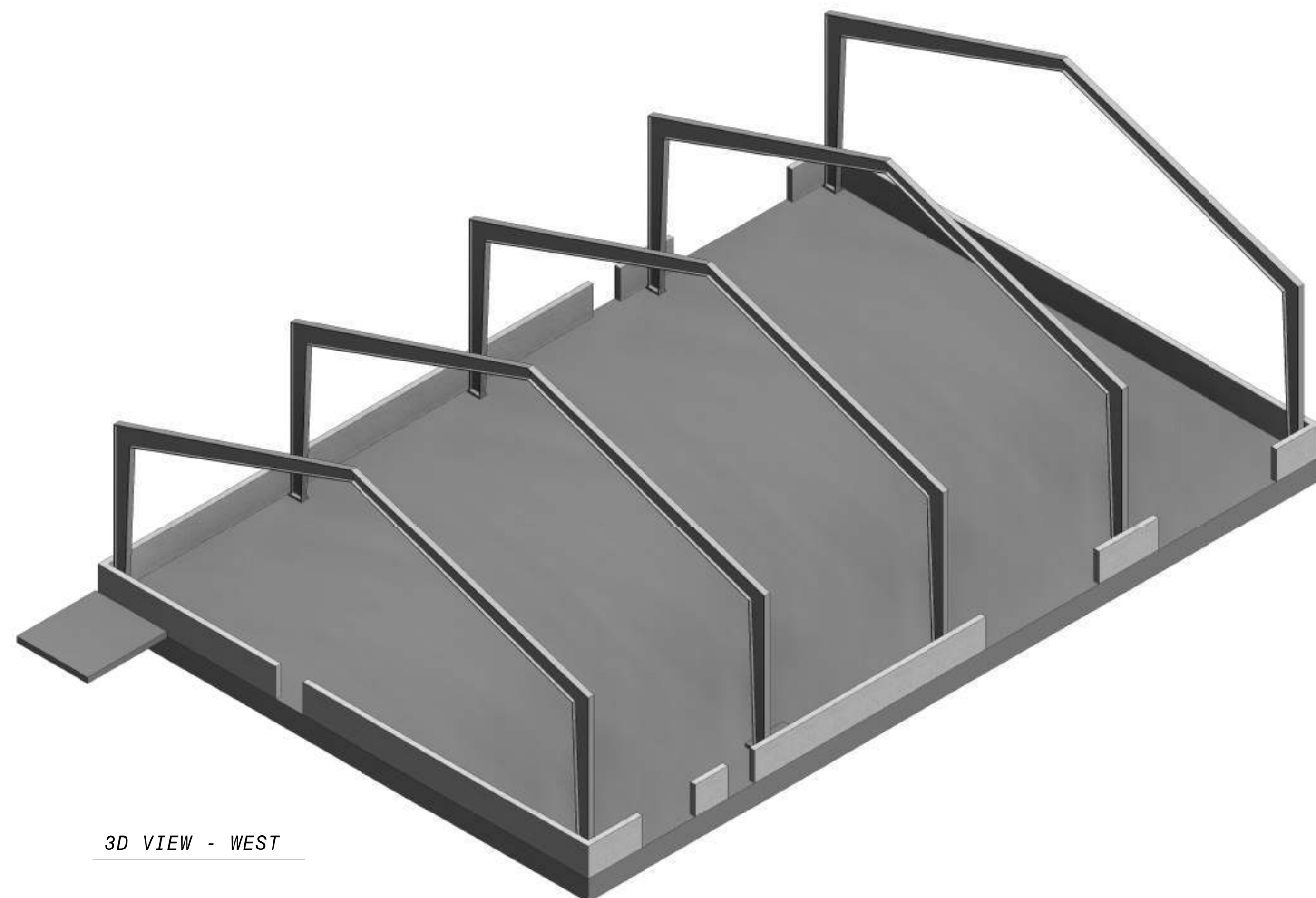
OPERATIONS BUILDING
STRUCTURAL
SECTIONS & DETAILS

DESIGNED: M. MARSH
DETAILED: S. BENJAMIN
CHECKED: I. SHOEBRIDGE
APPROVED: C. ASHLEY
DATE: 5/19/2020

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

PROJECT NO.
400530

95-S-301
SHEET
228 OF 412




CITY OF MORRO BAY
MORRO BAY WRF
WATER RECLAMATION FACILITY (WRF)

MAINTENANCE BUILDING
STRUCTURAL
3D VIEWS

DESIGNED: M. MARSH
DETAILED: S. BENJAMIN
CHECKED: I. SHOEBRIDGE
APPROVED: C. ASHLEY
DATE: 5/19/2020

0 1/2 1



IF THIS BAR DOES NOT
MEASURE 1* THEN DRAWING IS
NOT TO FULL SCALE

PROJECT NO.
400530

96-S-001
SHEET
229 OF 412



Ashley & Vance
ENGINEERING, INC.

JOINT VENTURE

FILANC®

BLACK & VEATCH

CONSTRUCTION REVISIONS AND RECORD OF USE

DATE 19/202

0	NO.
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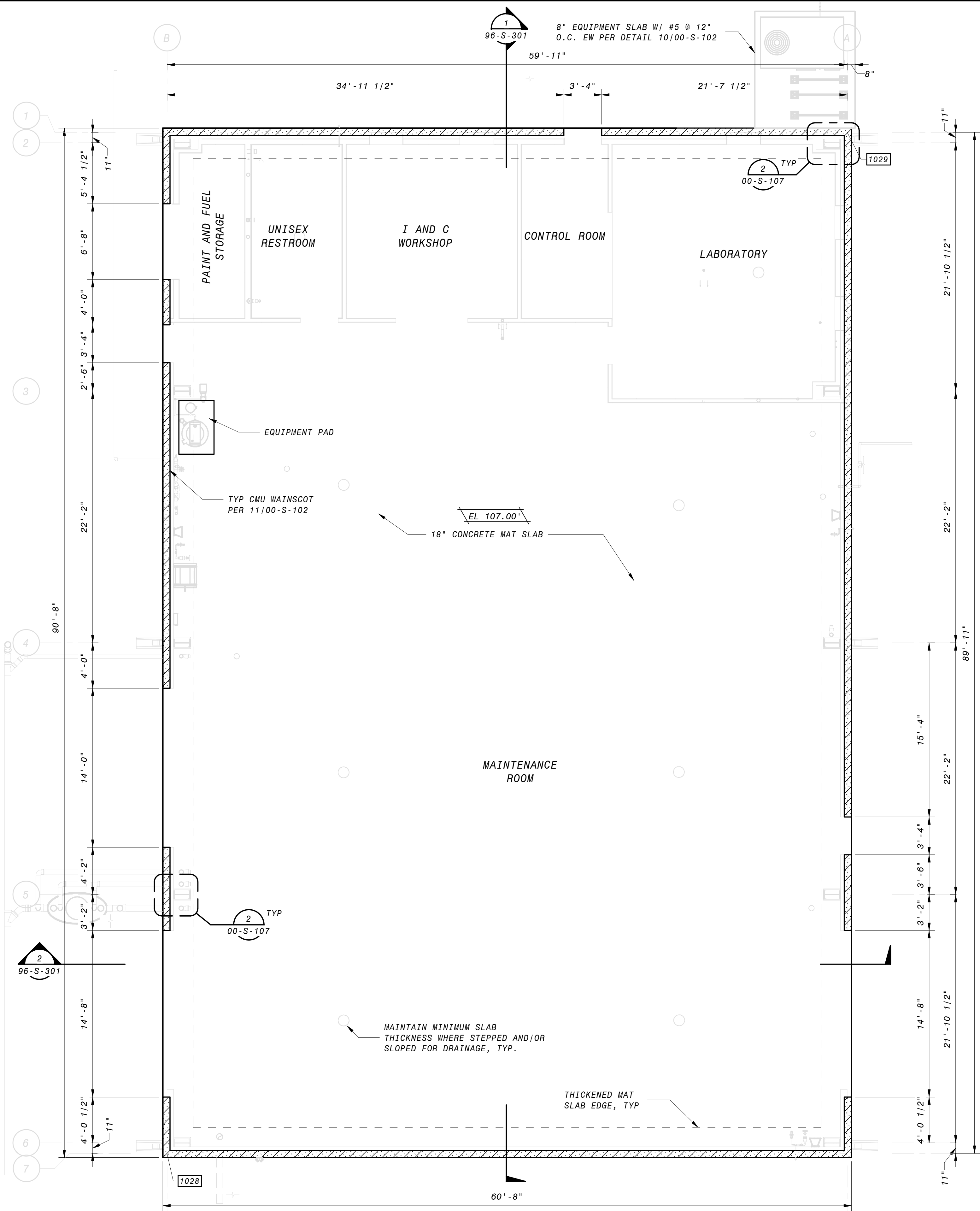
BY

up

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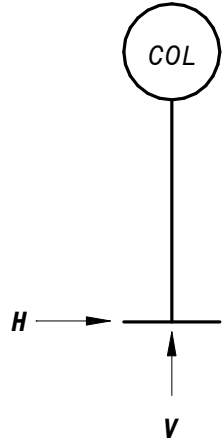
0400530

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 D400530



OPERATING FLOOR PLAN
 3/16" = 1'-0"

- NOTES:
- DESIGN AND DRAWINGS FOR STEEL FRAME PRE-ENGINEERED METAL BUILDING TO BE PROVIDED BY BUILDING MFR. SEE SPECIFICATIONS FOR DESIGN CRITERIA.
 - FOUNDATION DESIGN HAS BEEN BASED ON THE FOLLOWING FRAME REACTIONS, ASSUMING A PINNED COLUMN BASE:

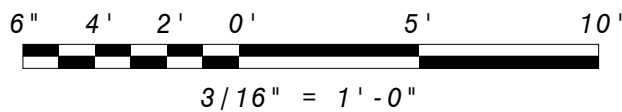


LOAD	VERTICAL V (K)	HORIZONTAL H (K)
DEAD	7.5	1.0
ROOF LIVE	12.5	3.0
SEISMIC	20.0	7.5
WIND (MAX)	13.5	11.0
WIND (MIN)	-25.5	-6.0

- FOUNDATION HAS BEEN DESIGNED FOR A LIVE LOAD OF 150 PSF.
- FRAME REACTIONS INCLUDE BOTH PRINCIPLE DIRECTIONS AND ORTHOGONAL COMBINATION EFFECTS.

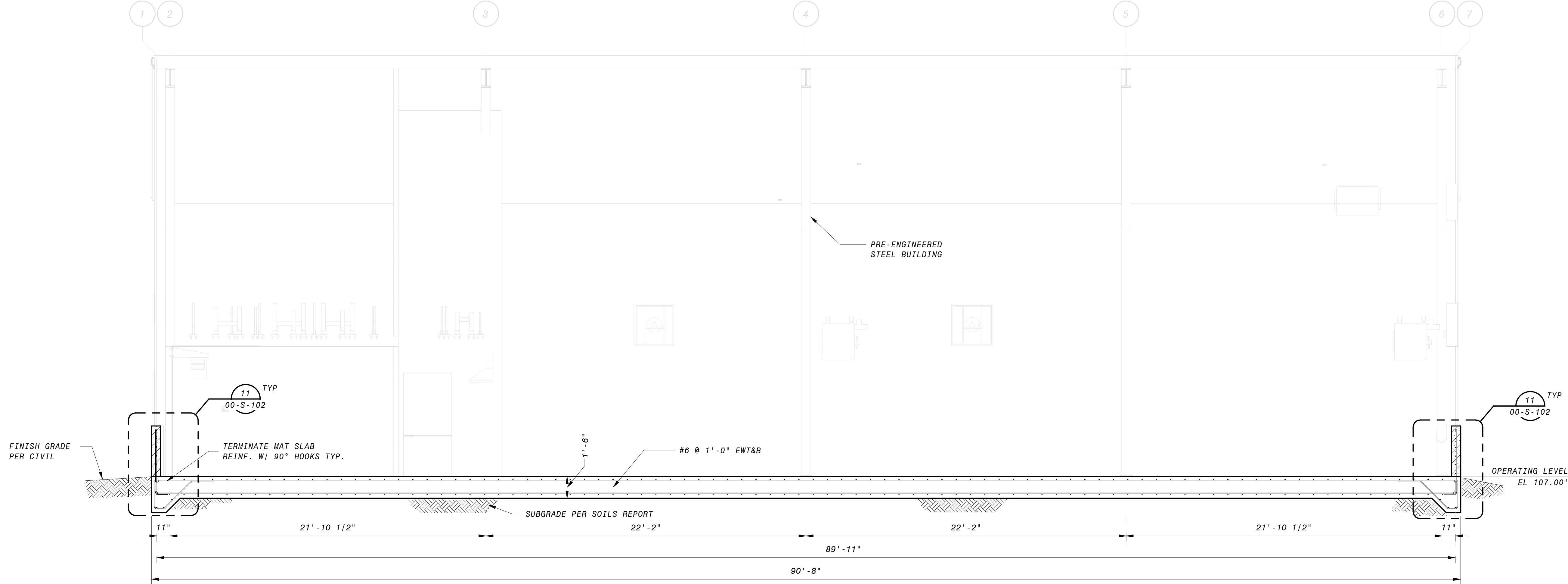
GENERAL NOTES

- PLEASE SEE SOILS REPORT FOR ADDITIONAL SPECIFICATIONS AND RECOMMENDATIONS. IT IS THE DESIGN-BUILDER'S RESPONSIBILITY TO OBTAIN A COPY OF THE SOILS REPORT FROM THE OWNER OR OWNERS REPRESENTATIVE.
- NOT USED.
- FOR GENERAL STRUCTURAL NOTES, SEE SHEETS 00-S-002 AND STANDARD SPECIFICATIONS.
- VERIFY ALL DIMENSIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- SEE DETAIL 2/00-S-102 FOR TYP MAT SLAB ON GRADE.
- ALL LAP SPLICES TO BE CLASS B PER DETAIL 1/00-S-101
- SUBMIT EQUIPMENT WEIGHT FOR REVIEW PRIOR TO INSTALLATION. SEE DETAIL 1/00-S-105 FOR TYPICAL INTERIOR EQUIPMENT PADS AND DETAIL 10/00-S-105 FOR TYPICAL EXTERIOR EQUIPMENT PADS. LOCATION AND SIZE OF EQUIPMENT PADS TO BE COORDINATED WITH MECHANICAL/ELECTRICAL/PLUMBING DRAWINGS. EQUIPMENT ANCHORAGE PER PROJECT SPECIFICATIONS.
- REFER TO MECHANICAL/ELECTRICAL/PLUMBING DRAWINGS FOR SIZE AND LOCATIONS OF PIPE PENETRATIONS AND WALL OPENINGS. SEE DETAIL 9/00-S-101 FOR TYPICAL REINFORCEMENT REQUIREMENTS. COORDINATE PIPE PENETRATION SEAL WITH MECHANICAL ENGINEER OF RECORD.
- COORDINATE LOCATION AND DETAILING FOR ATTACHMENT OF MECHANICAL SUPPORTS WITH BUILDING MANUFACTURER AND MECHANICAL ENGINEER OF RECORD PRIOR TO INSTALLATION.
- COORDINATE ALL INTERIOR WALLS WITH ARCHITECTURAL DRAWINGS. SEE SHEET 00-S-106 AND PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- COORDINATE COLUMN SIZE, LOCATION, AND ATTACHMENT WITH BUILDING MANUFACTURER PRIOR TO INSTALLATION.
- IF SPLICES RESULT IN CLEAR SPACING LESS THAN ACI CODE MINIMUMS, PROVIDE TYPE 2 MECHANICAL SPLICES. MECHANICAL CONNECTORS SHALL BE SUBMITTED FOR REVIEW AND APPROVAL.

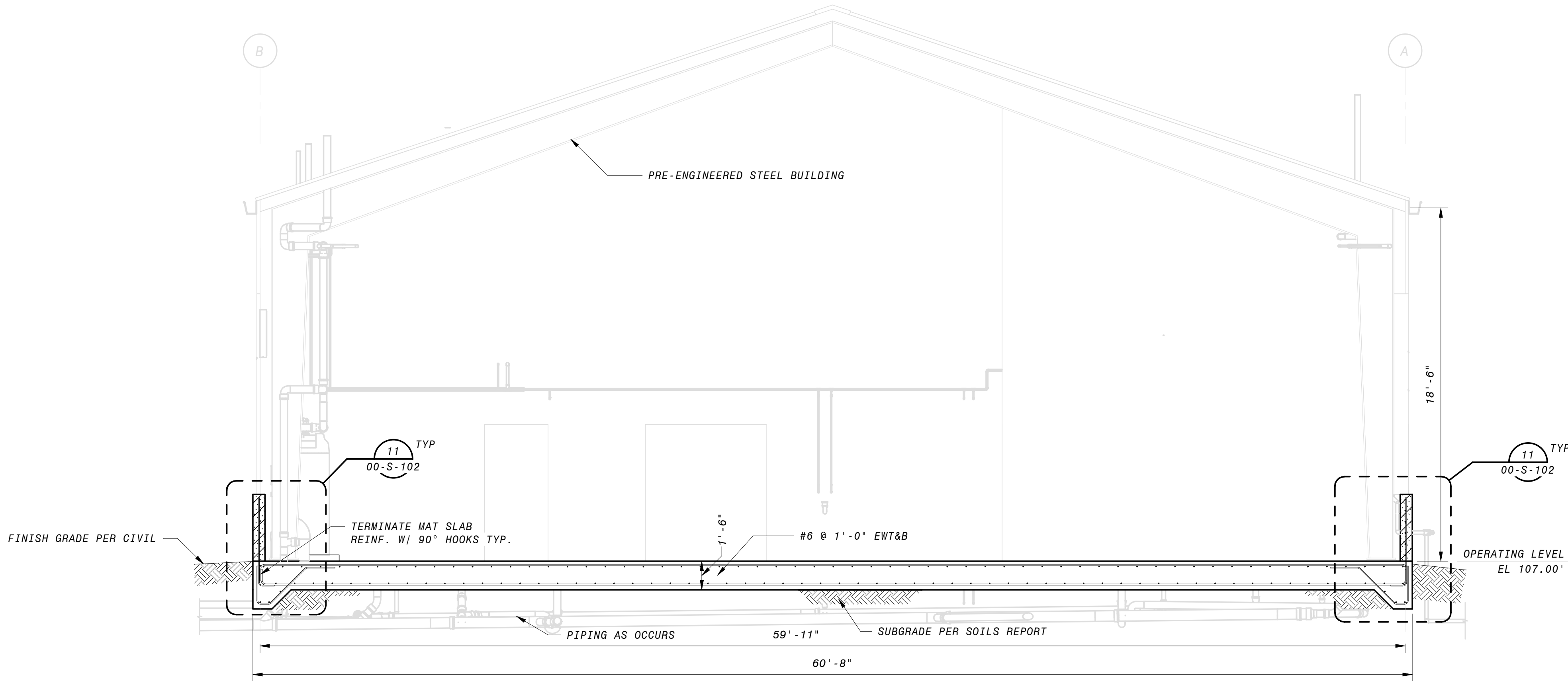


DESIGNED: M. MARSH	
DETAILED: S. BENJAMIN	
CHECKED: I. SHOEBRIDGE	
APPROVED: C. ASHLEY	
DATE: 5/19/2020	
0 1/2 1 IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE	
PROJECT NO. 400530	
96-S-101 SHEET 230 OF 412	
CITY OF MORRO BAY MORRO BAY WRF WATER RECLAMATION FACILITY (WRF)	
MAINTENANCE BUILDING STRUCTURAL PLAN	
JOINT VENTURE Ashley & Vance ENGINEERING, INC. FILANC BLACK & VEATCH	
5/19/2020 DATE	ISSUED FOR CONSTRUCTION REVISONS AND RECORD OF USE
0 NO.	BY CHK APP

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D400530



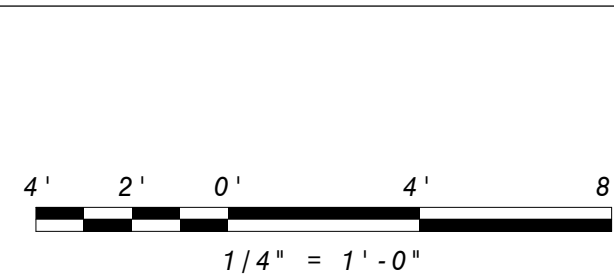
SECTION 1
96-S-101 1/4" = 1'-0"



SECTION 2
96-S-101 1/4" = 1'-0"

GENERAL SECTION NOTES

- FOR GENERAL STRUCTURAL NOTES, SEE SHEETS 00-S-002 AND STANDARD SPECIFICATIONS.
- REINFORCEMENT CLEAR COVER TO BE 2" EF FOR WALLS, 2" AT TOP OF SLABS, AND 3" AT BOTTOM OF SLABS, TYP., UNO
- ALL LAP SPLICES TO BE CLASS B PER DETAIL 1/00-S-101.
- REFER TO MECHANICAL DRAWINGS FOR SIZE AND LOCATIONS OF PIPE PENETRATIONS AND WALL OPENINGS. SEE DETAIL 9/00-S-101 FOR TYPICAL REINFORCEMENT REQUIREMENTS. COORDINATE PIPE PENETRATION SEAL WITH MECHANICAL EOR (WHERE OCCURS).
- SUBMIT EQUIPMENT WEIGHT FOR REVIEW PRIOR TO INSTALLATION. SEE DETAIL 1/00-S-105 FOR TYPICAL INTERIOR EQUIPMENT PADS AND DETAIL 10/00-S-105 FOR TYPICAL EXTERIOR EQUIPMENT PADS. LOCATION & SIZE OF EQUIPMENT PADS TO BE COORDINATED WITH MECHANICAL/ELECTRICAL/PLUMBING DRAWINGS. EQUIPMENT ANCHORAGE PER PROJECT SPECIFICATIONS.
- COORDINATE ALL INTERIOR WALLS WITH ARCHITECTURAL DRAWINGS. SEE SHEET 00-S-106 AND PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- COORDINATE LOCATION AND DETAILING FOR ATTACHMENT OF MECHANICAL SUPPORTS WITH BUILDING MANUFACTURER AND MECHANICAL ENGINEER OF RECORD PRIOR TO INSTALLATION.



NO.	BY	DATE	REVISIONS AND RECORD OF USE
0		5/19/2020	ISSUED FOR CONSTRUCTION



Ashley & Vance
ENGINEERING, INC.

JOINT VENTURE

FILANC **BLACK & VEATCH**

CITY OF MORRO BAY
MORRO BAY WRF
WATER RECLAMATION FACILITY (WRF)

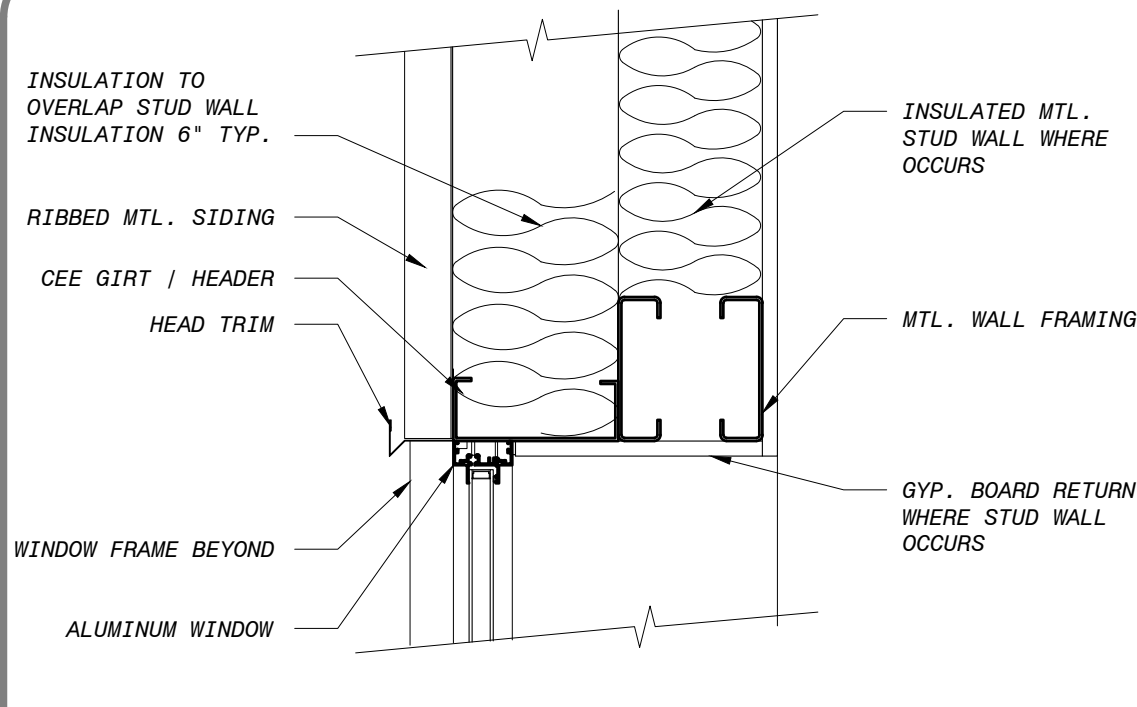
MAINTENANCE BUILDING
STRUCTURAL
SECTIONS & DETAILS 1

DESIGNED: M. MARSH
DETAILED: S. BENJAMIN
CHECKED: I. SHOEBRIDGE
APPROVED: C. ASHLEY
DATE: 5/19/2020

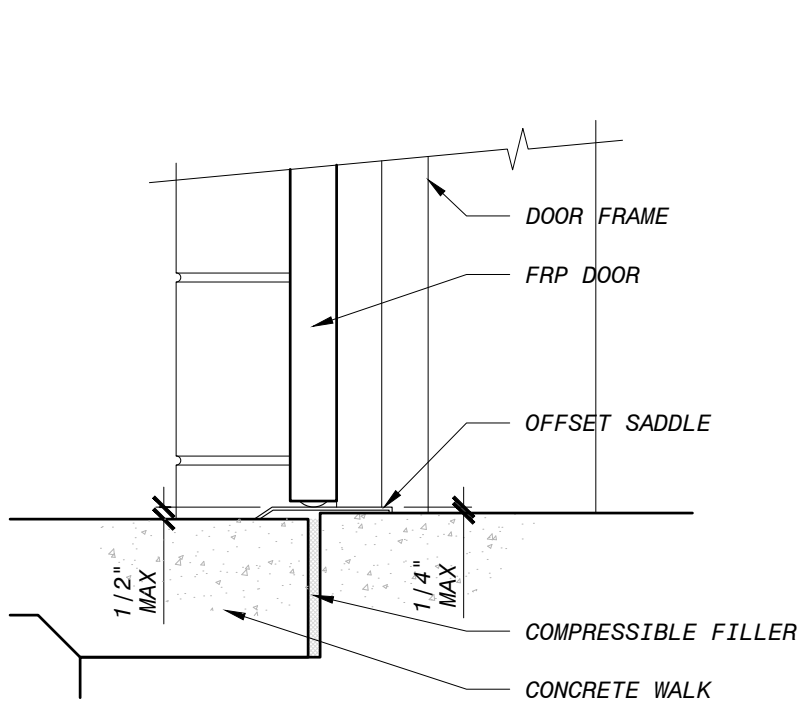
0 1/2 1
IF THIS BAR DOES NOT
MEASURE 1' THEN DRAWING IS
NOT TO FULL SCALE

PROJECT NO.
400530

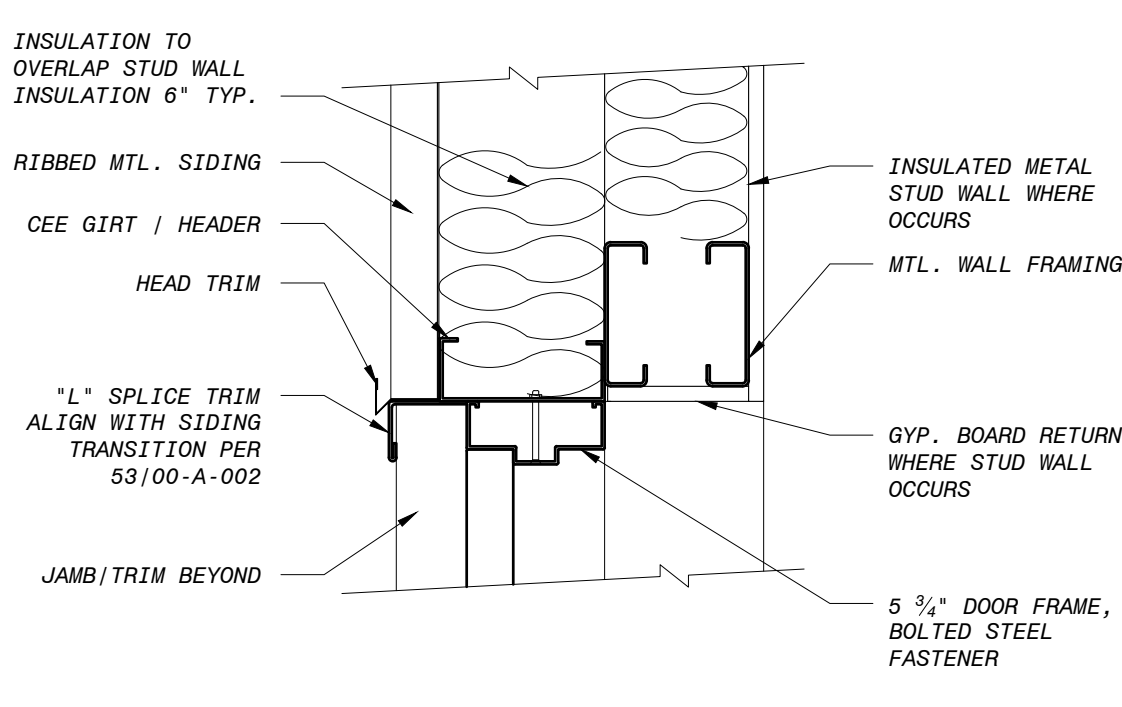
96-S-301
SHEET
231 OF 412



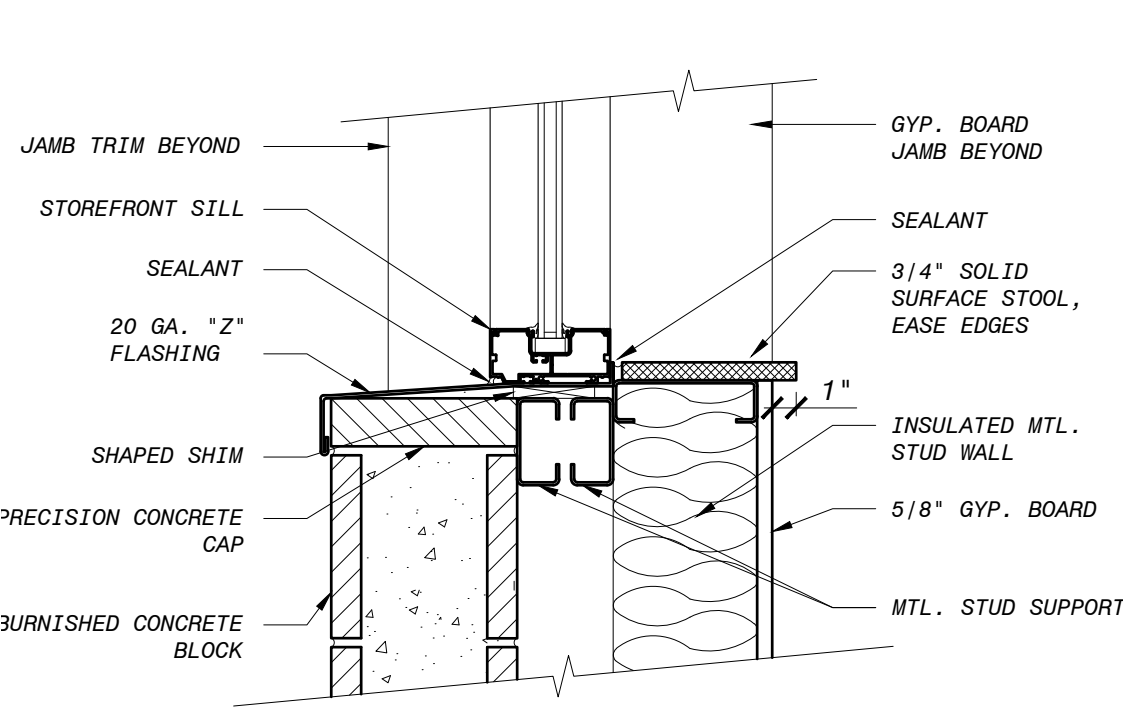
50 WINDOW HEAD
SCALE: 1 1/2" = 1'-0"



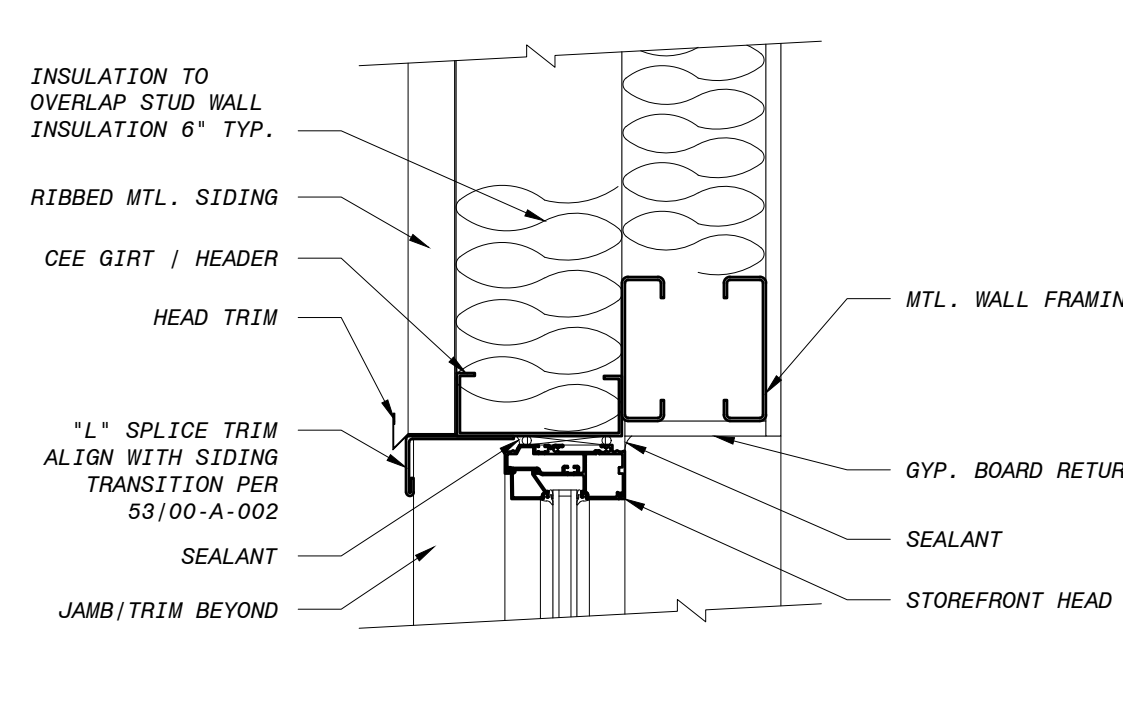
40 FRP DOOR THRESHOLD
SCALE: 1 1/2" = 1'-0"



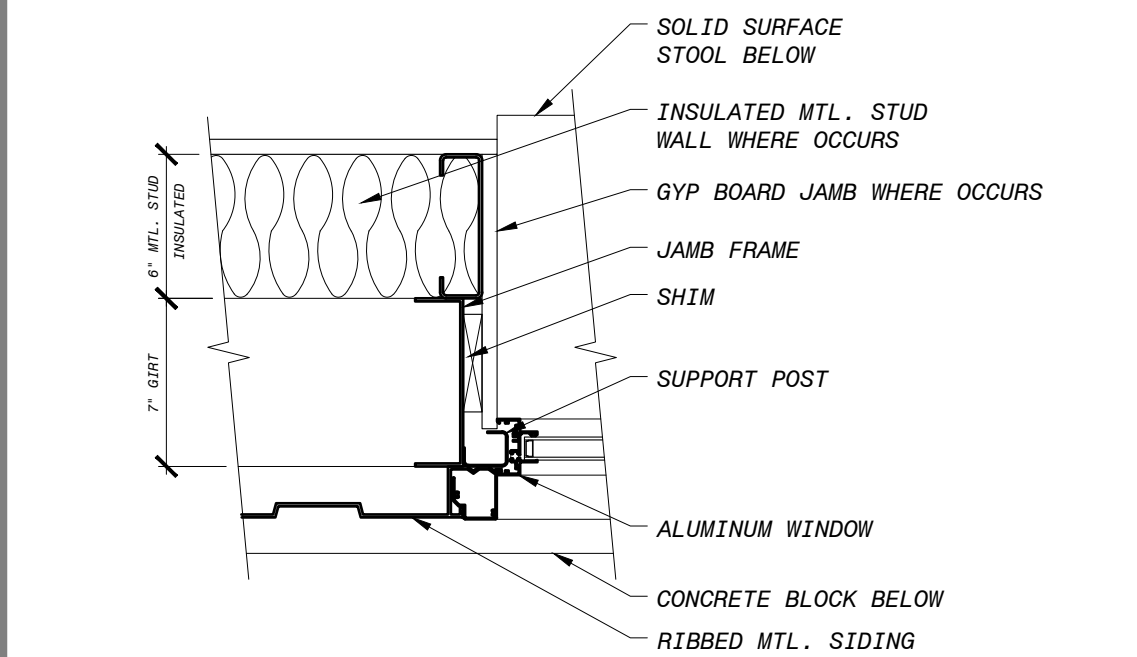
30 FRP DOOR HEAD
SCALE: 1 1/2" = 1'-0"



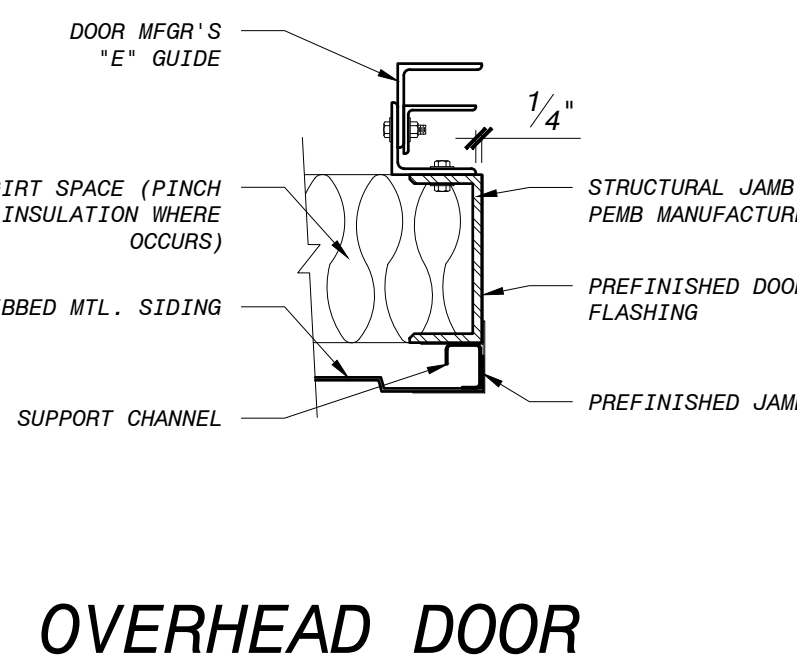
20 STOREFRONT SILL @ CMU
SCALE: 1 1/2" = 1'-0"



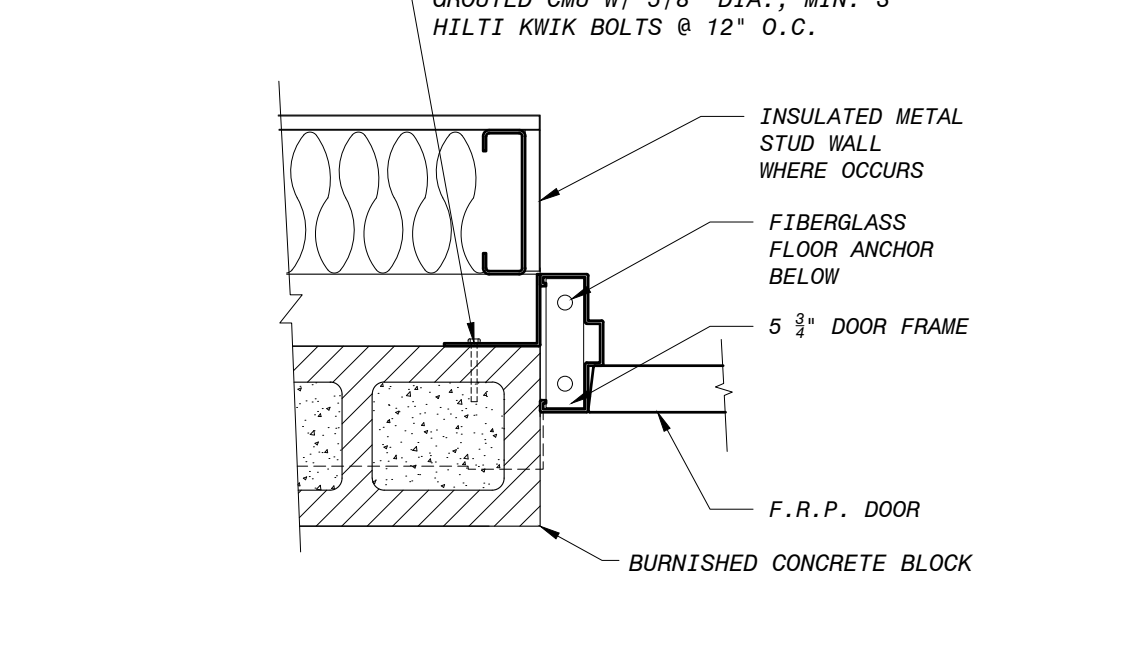
10 STOREFRONT HEAD
SCALE: 1 1/2" = 1'-0"



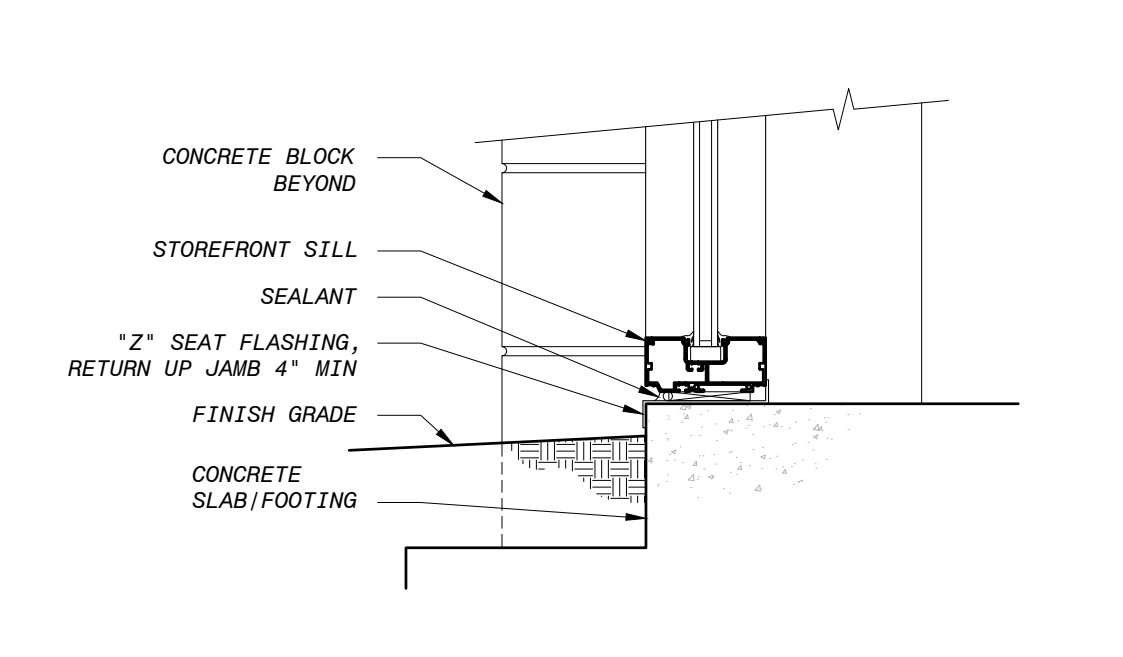
51 WINDOW JAMB
SCALE: 1 1/2" = 1'-0"



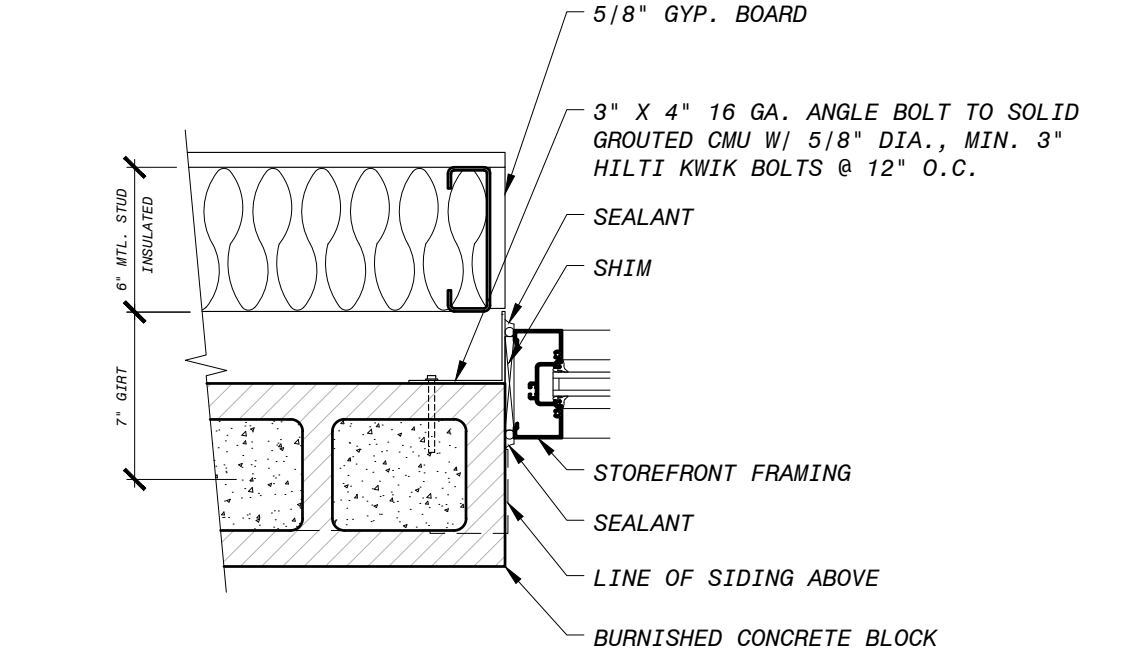
41 OVERHEAD DOOR JAMB (HEAD SIM.) @ RIBBED SIDING
SCALE: 1 1/2" = 1'-0"



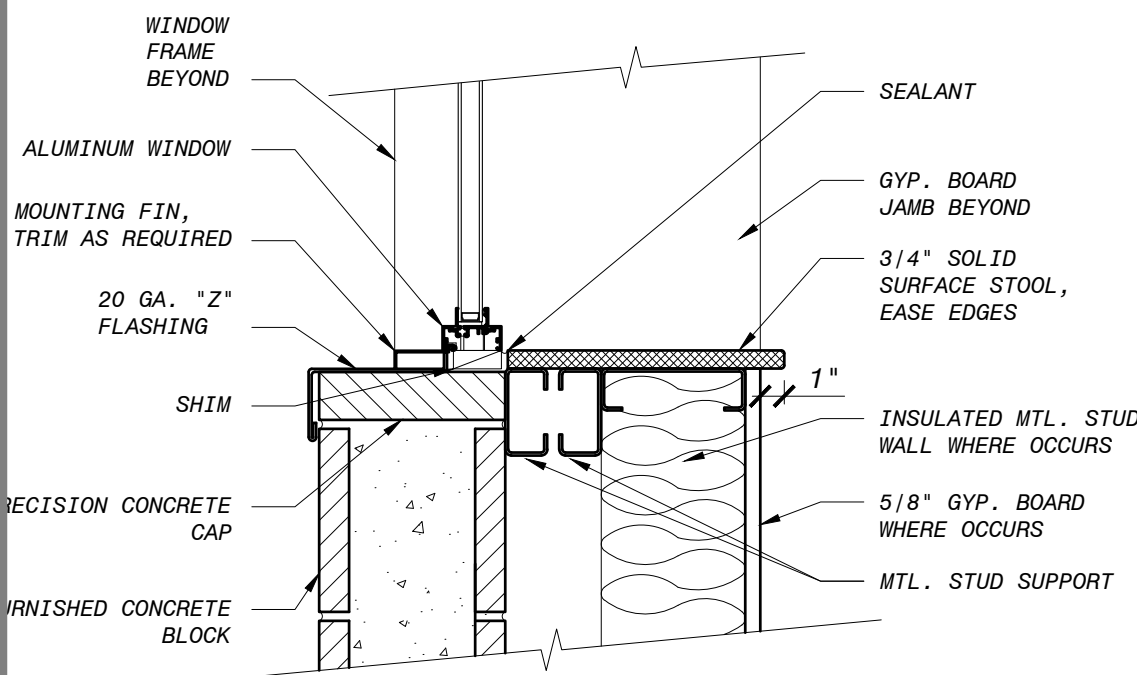
31 FRP DOOR JAMB @ CMU
SCALE: 1 1/2" = 1'-0"



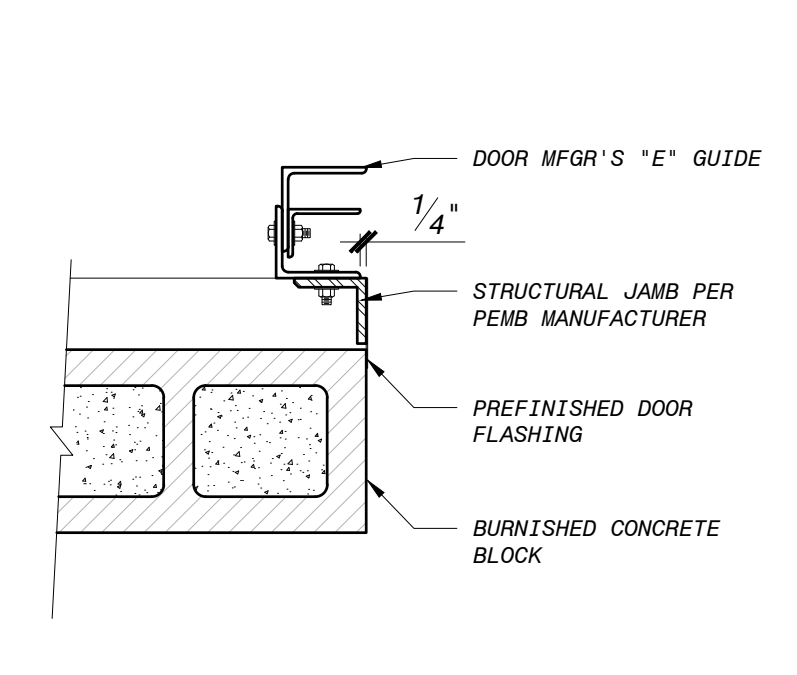
21 STOREFRONT SILL @ FLOOR
SCALE: 1 1/2" = 1'-0"



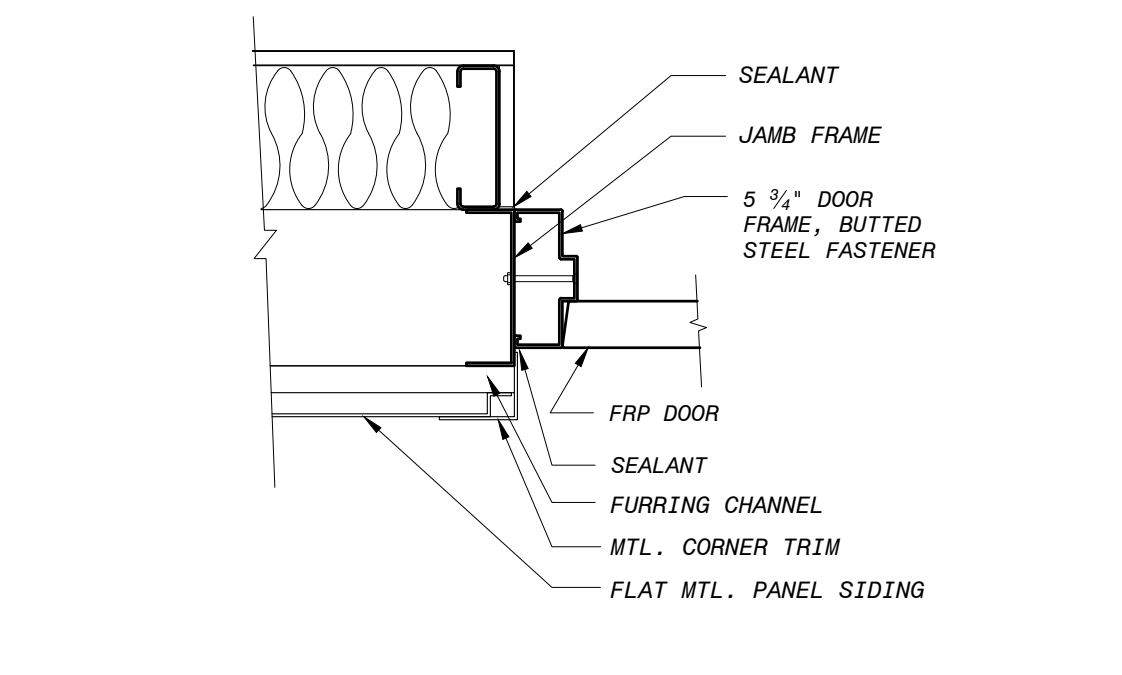
11 STOREFRONT JAMB @ CMU
SCALE: 1 1/2" = 1'-0"



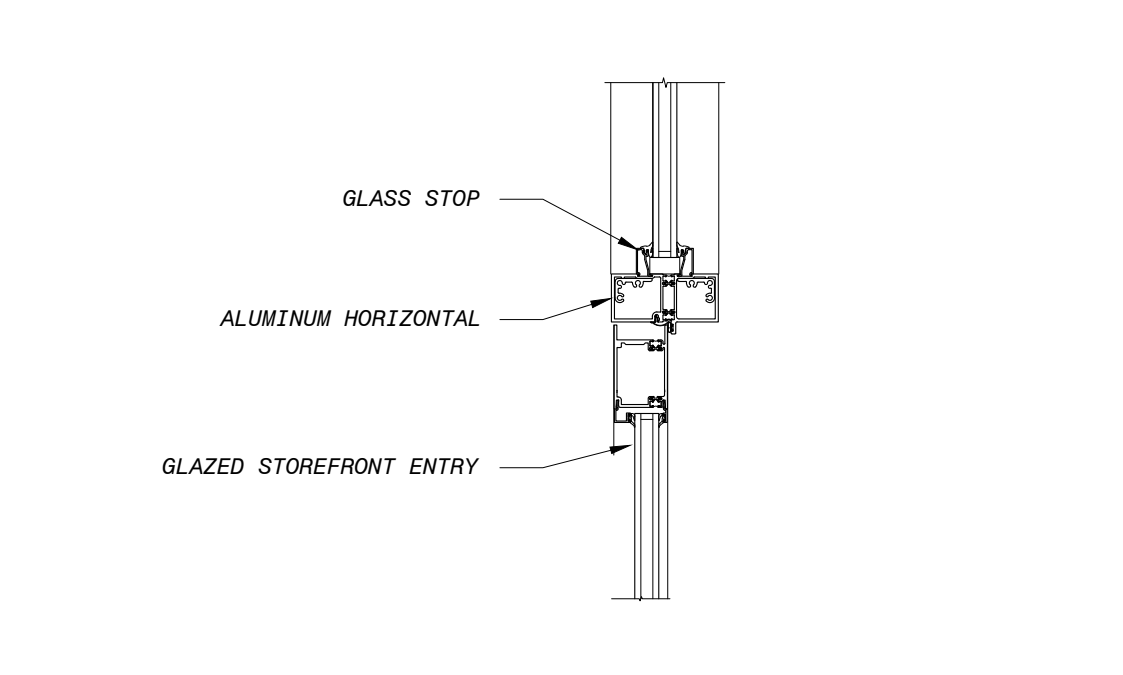
52 WINDOW SILL @ CMU
SCALE: 1 1/2" = 1'-0"



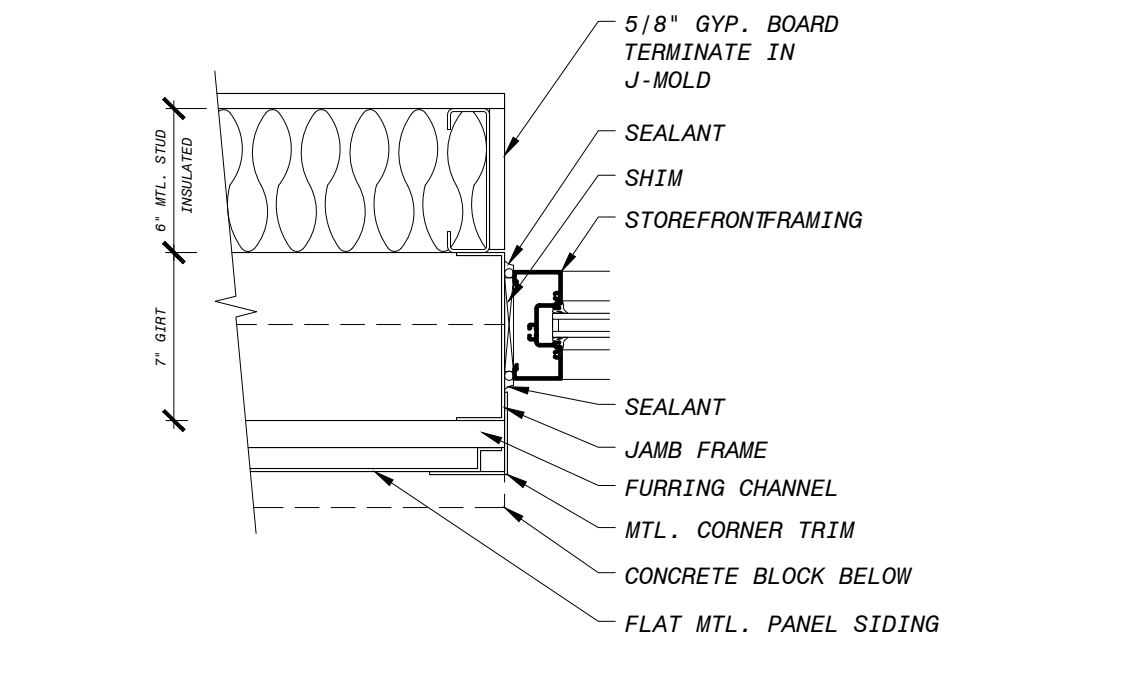
42 ROLLING DOOR @ CMU
SCALE: 1 1/2" = 1'-0"



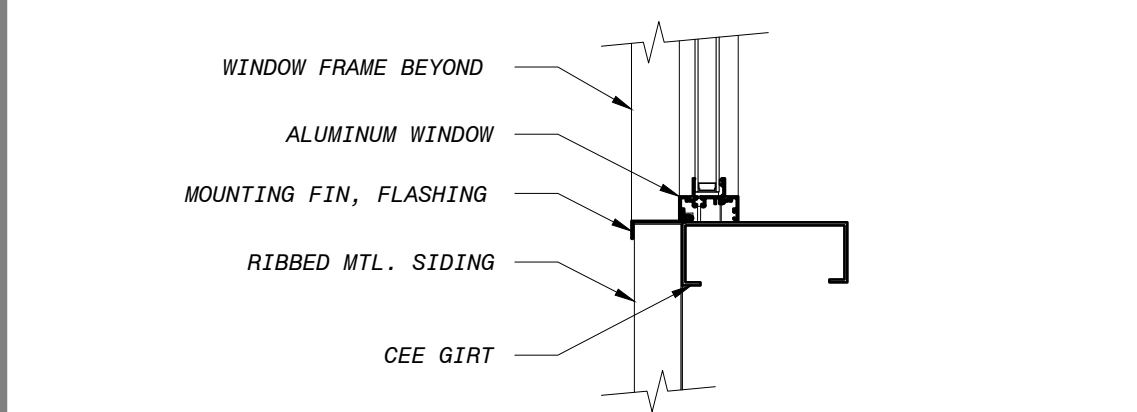
32 FRP DOOR JAMB @ FLAT PANEL SIDING
SCALE: 1 1/2" = 1'-0"



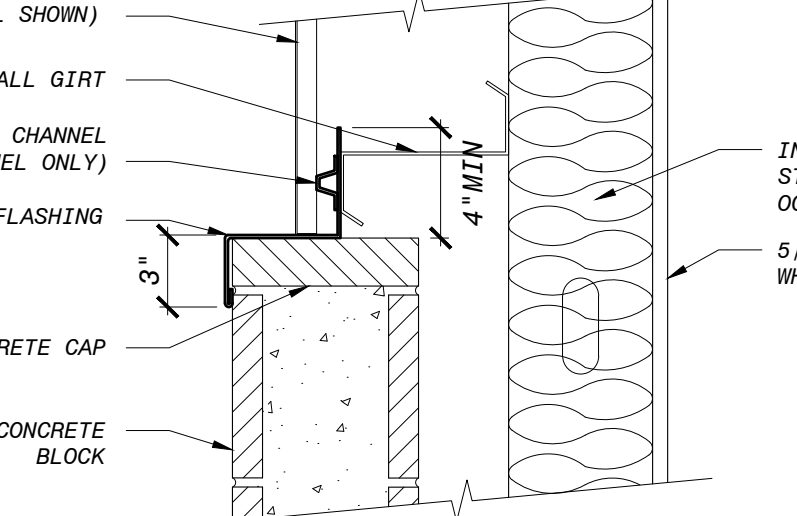
22 STOREFRONT ENTRY HEAD
SCALE: 1 1/2" = 1'-0"



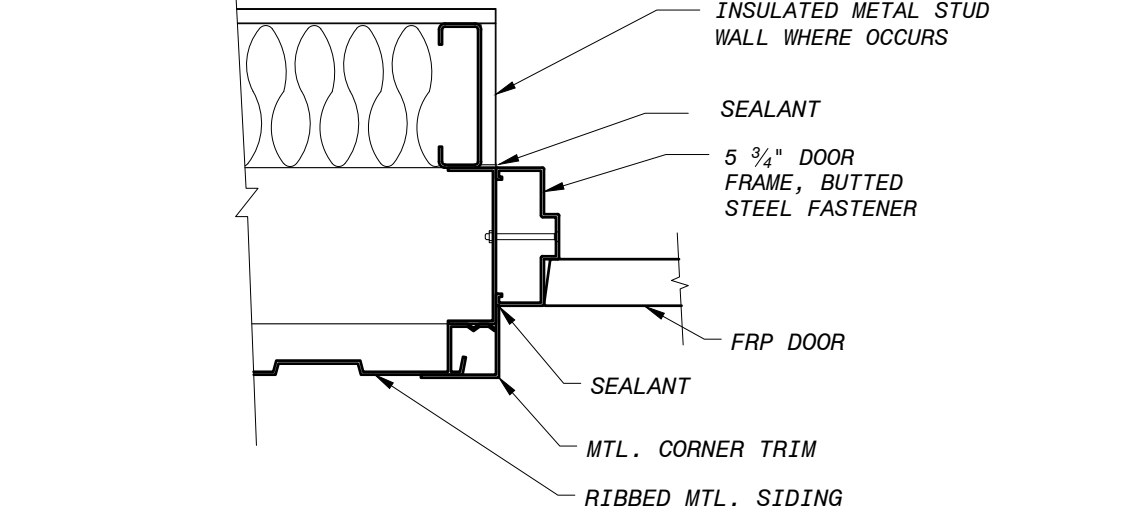
12 STOREFRONT JAMB @ FLAT PANEL SIDING
SCALE: 1 1/2" = 1'-0"



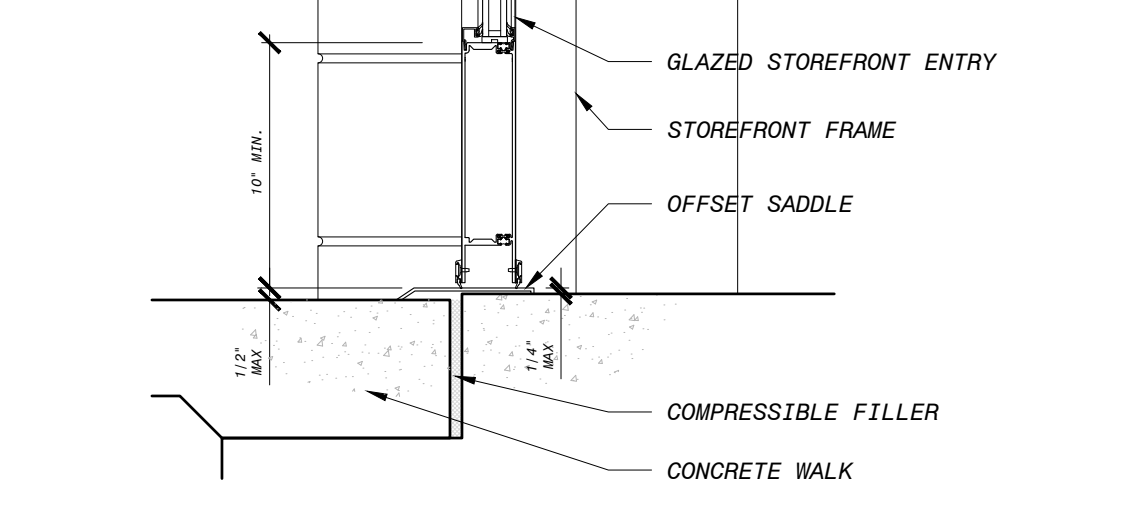
53 WINDOW SILL @ SIDING
SCALE: 1 1/2" = 1'-0"



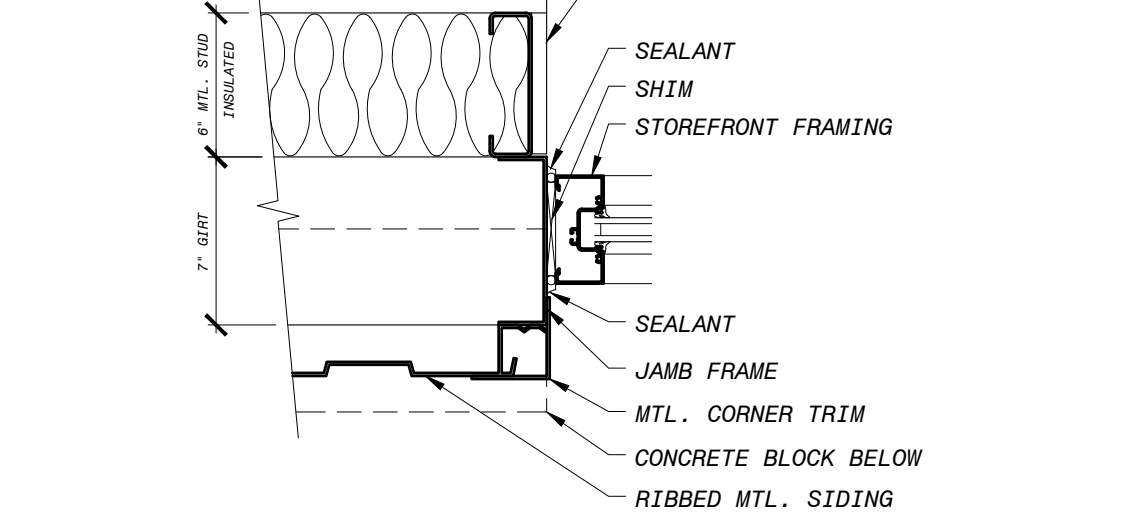
43 MTL. SIDING @ CMU
SCALE: 1 1/2" = 1'-0"



33 FRP DOOR JAMB @ RIBBED SIDING
SCALE: 1 1/2" = 1'-0"

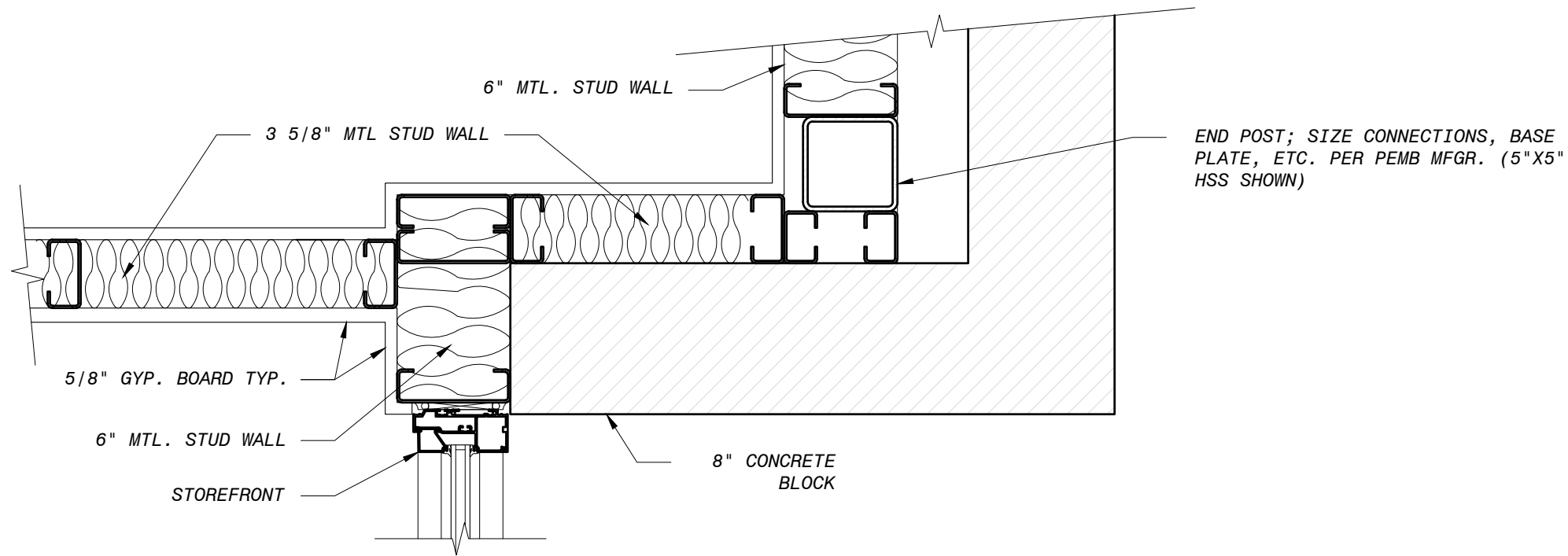


23 STOREFRONT ENTRY THRESHOLD
SCALE: 1 1/2" = 1'-0"

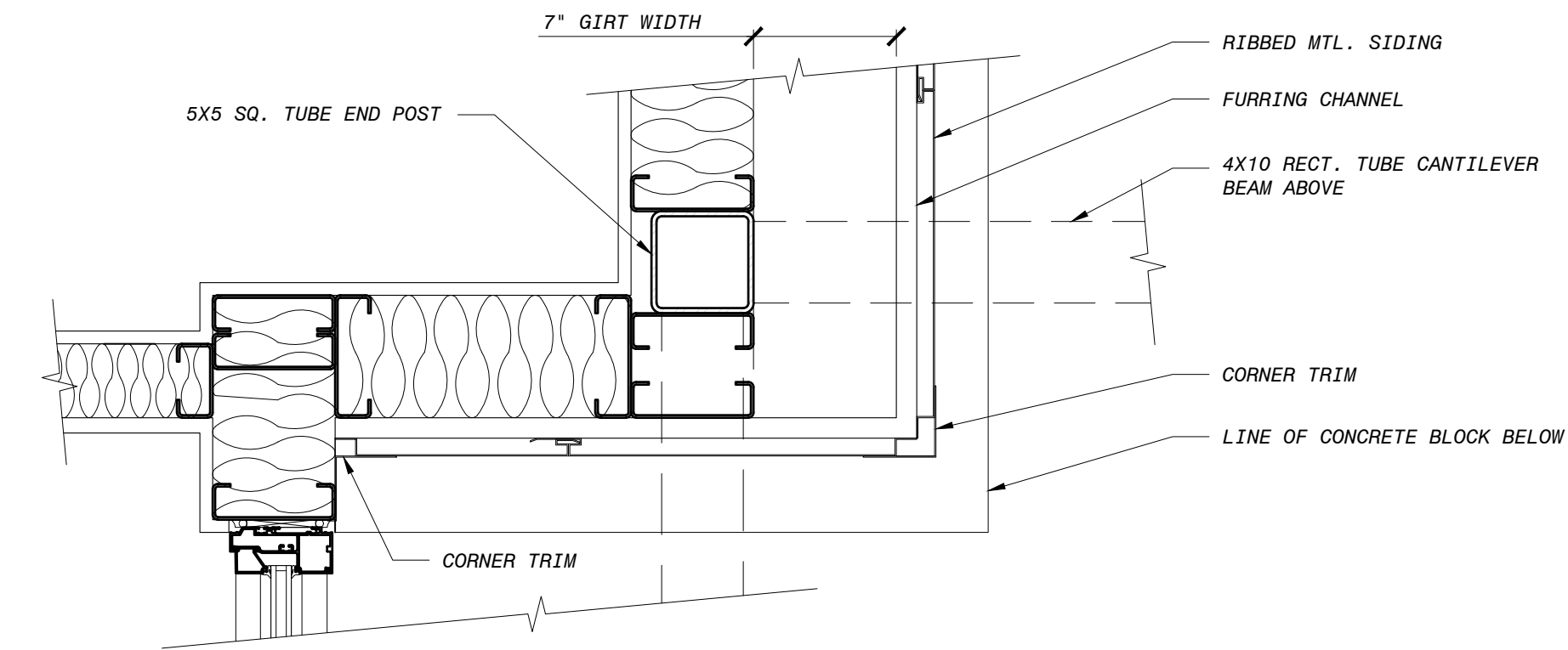


13 STOREFRONT JAMB @ RIBBED SIDING
SCALE: 1 1/2" = 1'-0"

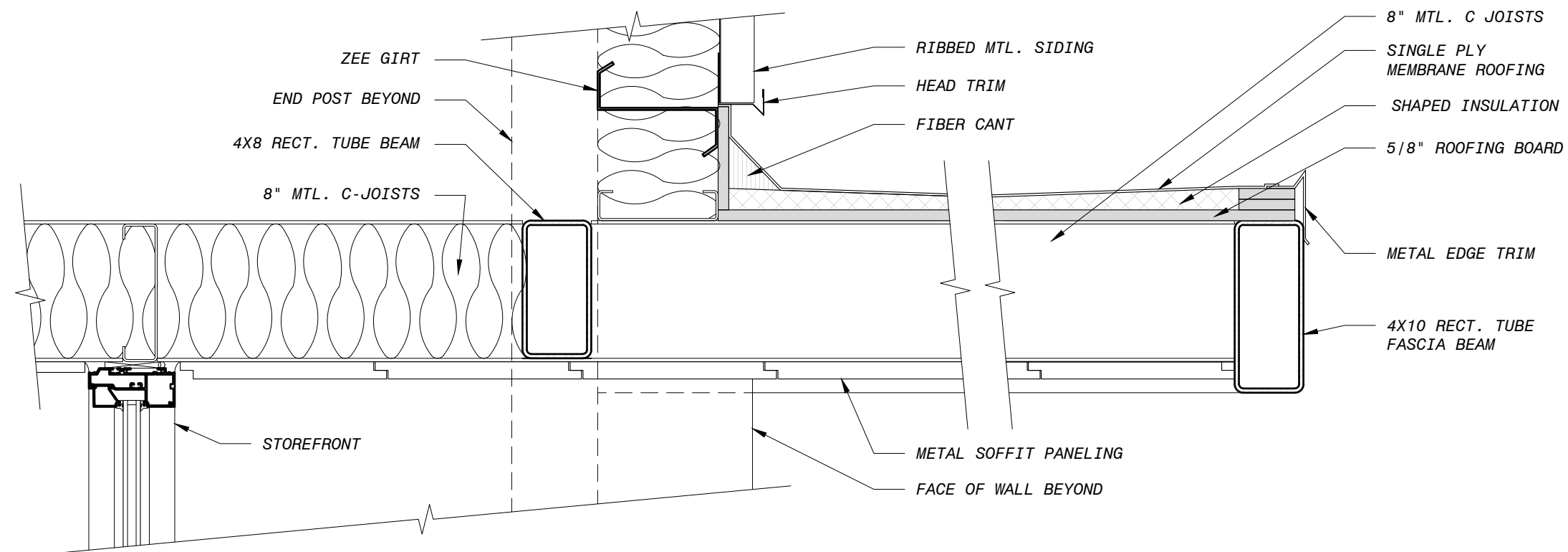
NO. BY CHK APP	
REVISIONS AND RECORD OF USE	
DATE	
LICENSED ARCHITECT C-9787 JOINT VENTURE FRASER SEIPLE ARCHITECTS BLACK & VEATCH FILANC	
CITY OF MORRO BAY MORRO BAY WATER WATER RECLAMATION FACILITY (WRF)	
ARCHITECTURAL DETAILS DOOR AND WINDOW DETAILS	
DESIGNED: BDF DETAILED: SS CHECKED: APPROVED: DATE: 5/19/20	
0 1/2 1 IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE	
PROJECT NO. 400530	
00-A-001 SHEET 232 OF 412	



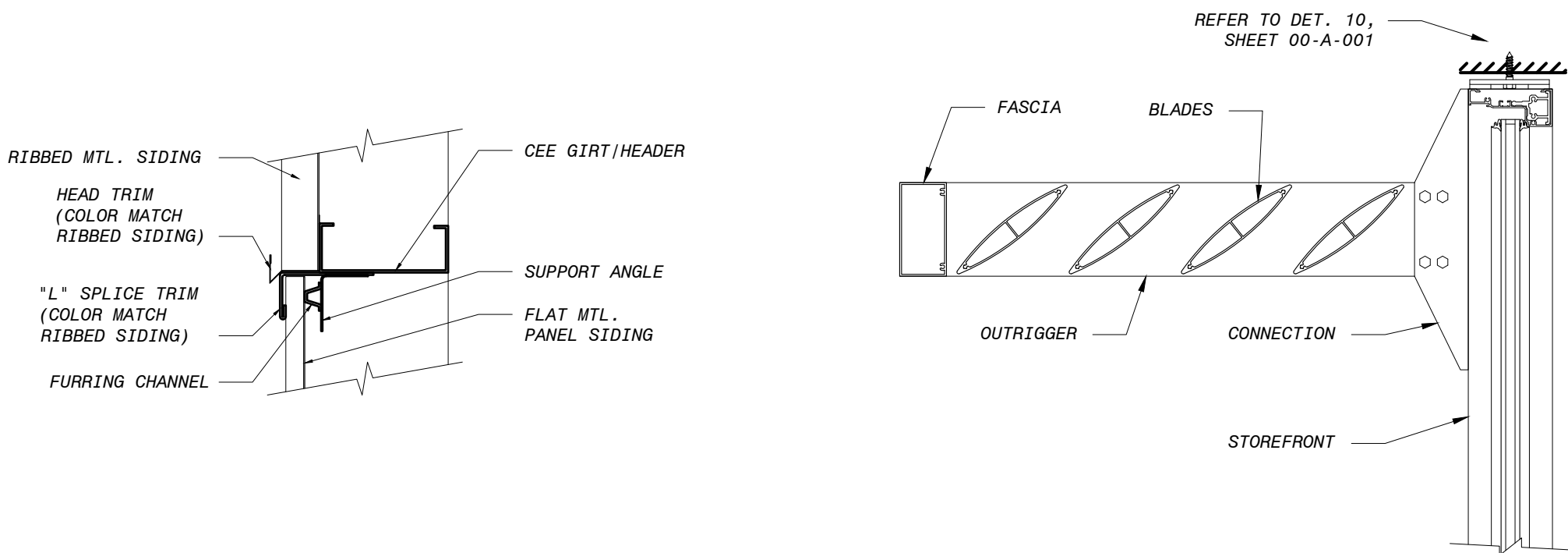
50 ENTRY PLAN / CMU
SCALE: 1 1/2" = 1'-0"



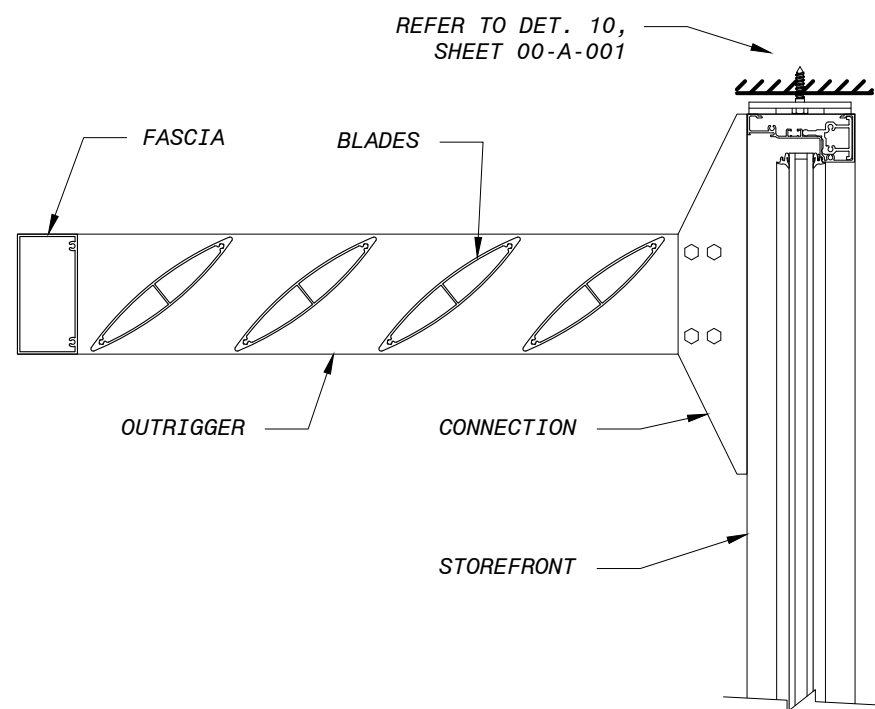
51 ENTRY PLAN / FLAT PANEL SIDING
SCALE: 1 1/2" = 1'-0"



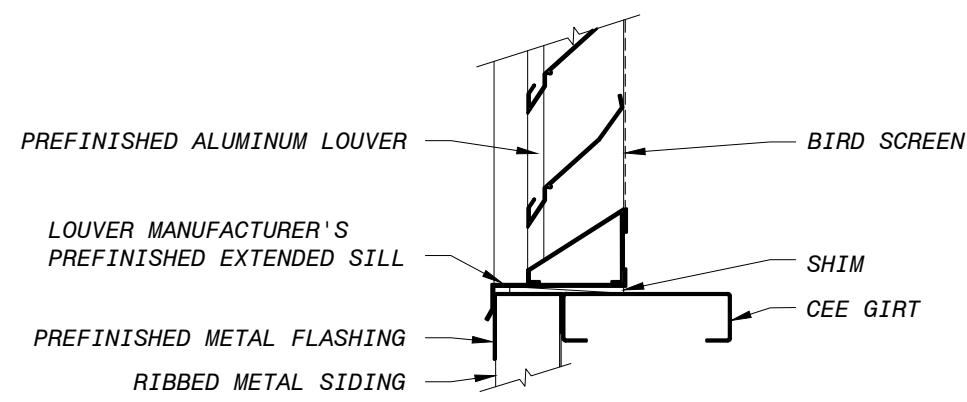
52 ENTRY CANOPY SECTION
SCALE: 1 1/2" = 1'-0"



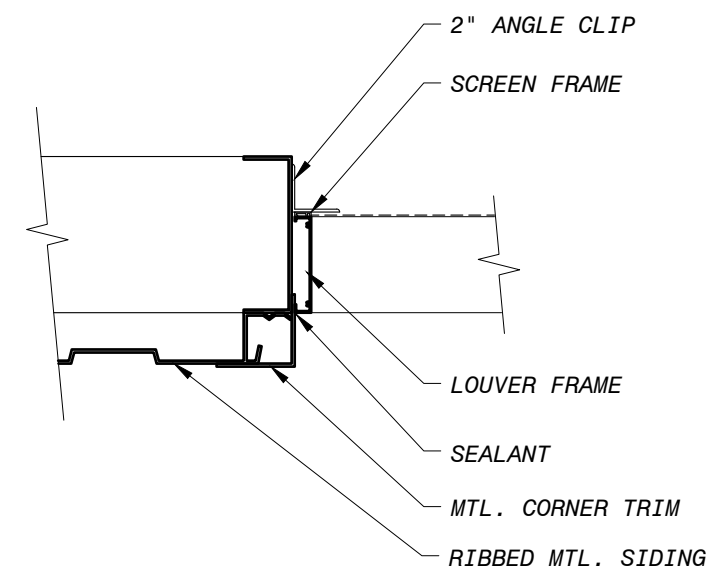
53 SIDING TRANSITION
SCALE: 1 1/2" = 1'-0"



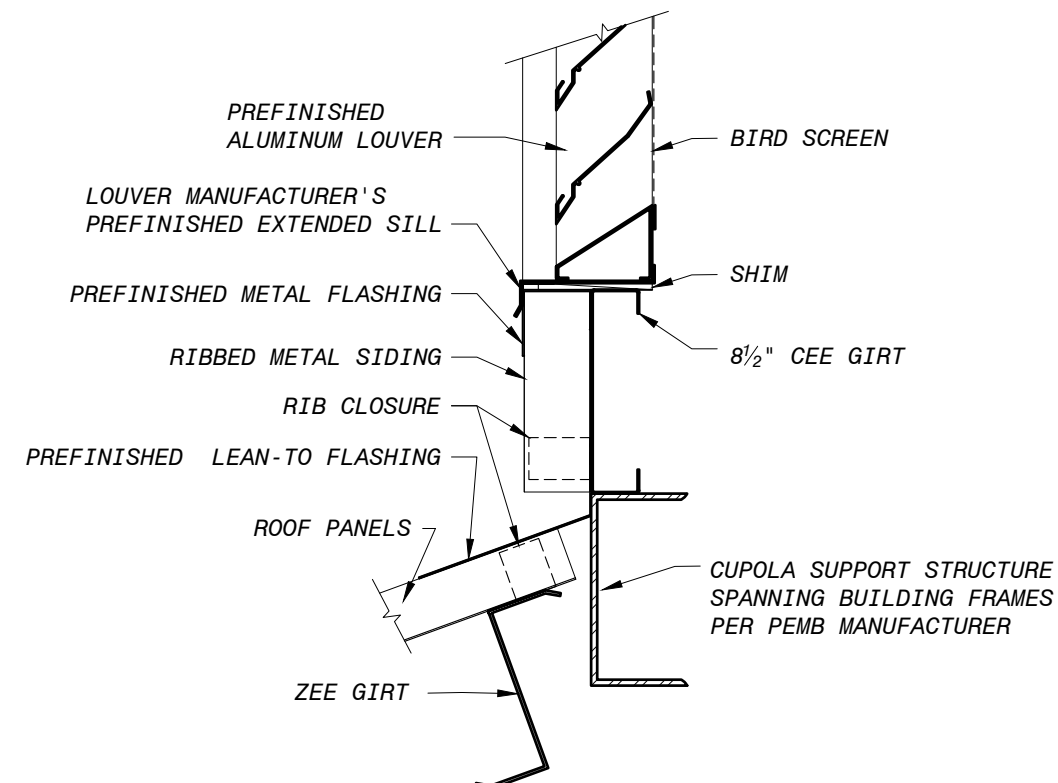
43 SUN CONTROL LOUVERS
SCALE: 1 1/2" = 1'-0"



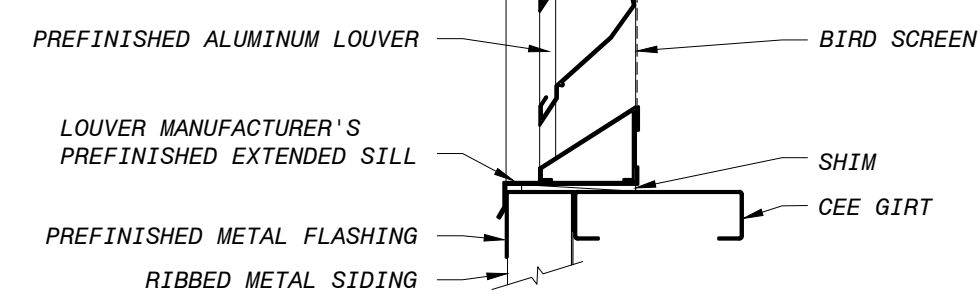
30 LOUVER HEAD
SCALE: 1 1/2" = 1'-0"



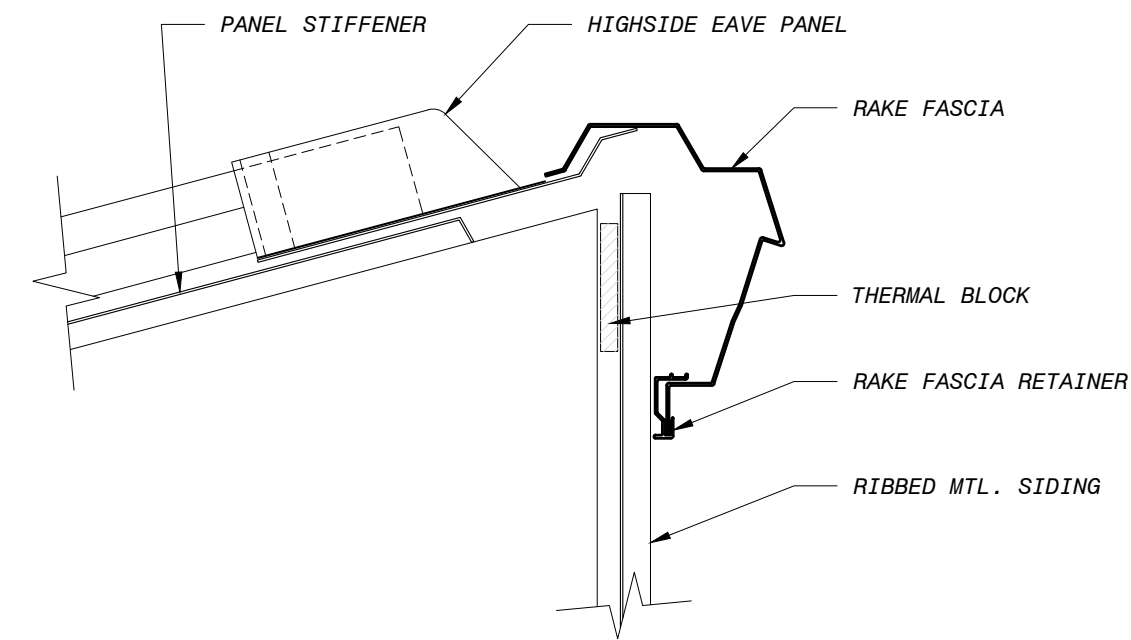
31 LOUVER JAMB
SCALE: 1 1/2" = 1'-0"



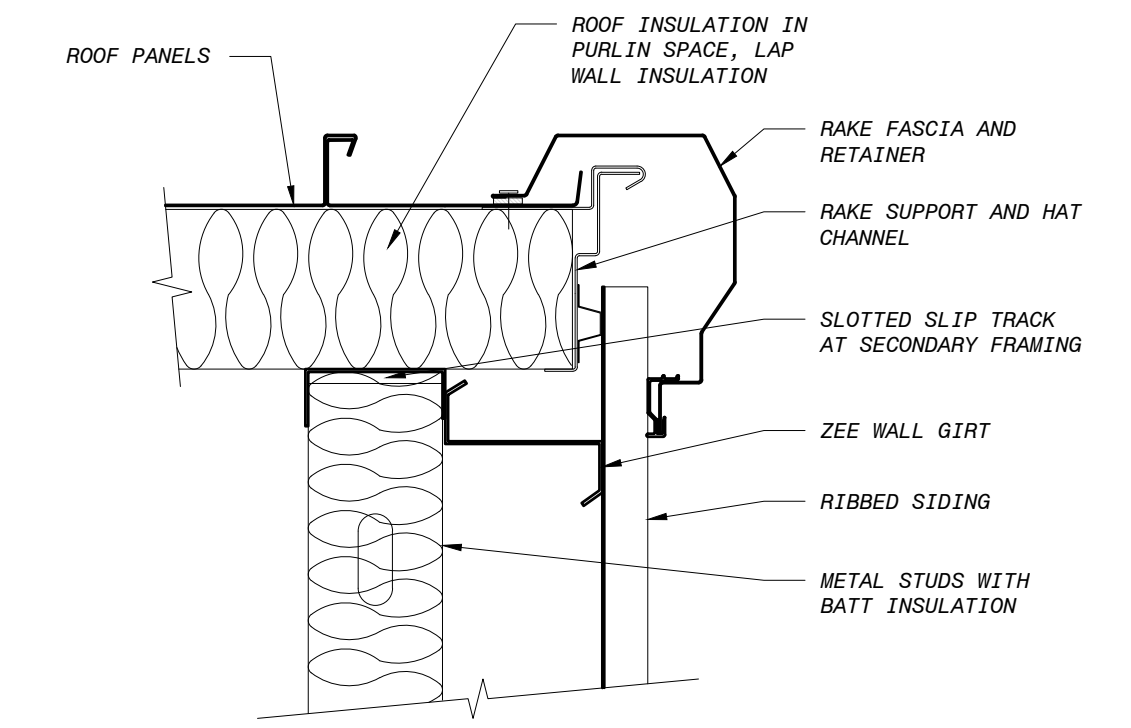
32 LOUVER SILL @ ROOF
SCALE: 1 1/2" = 1'-0"



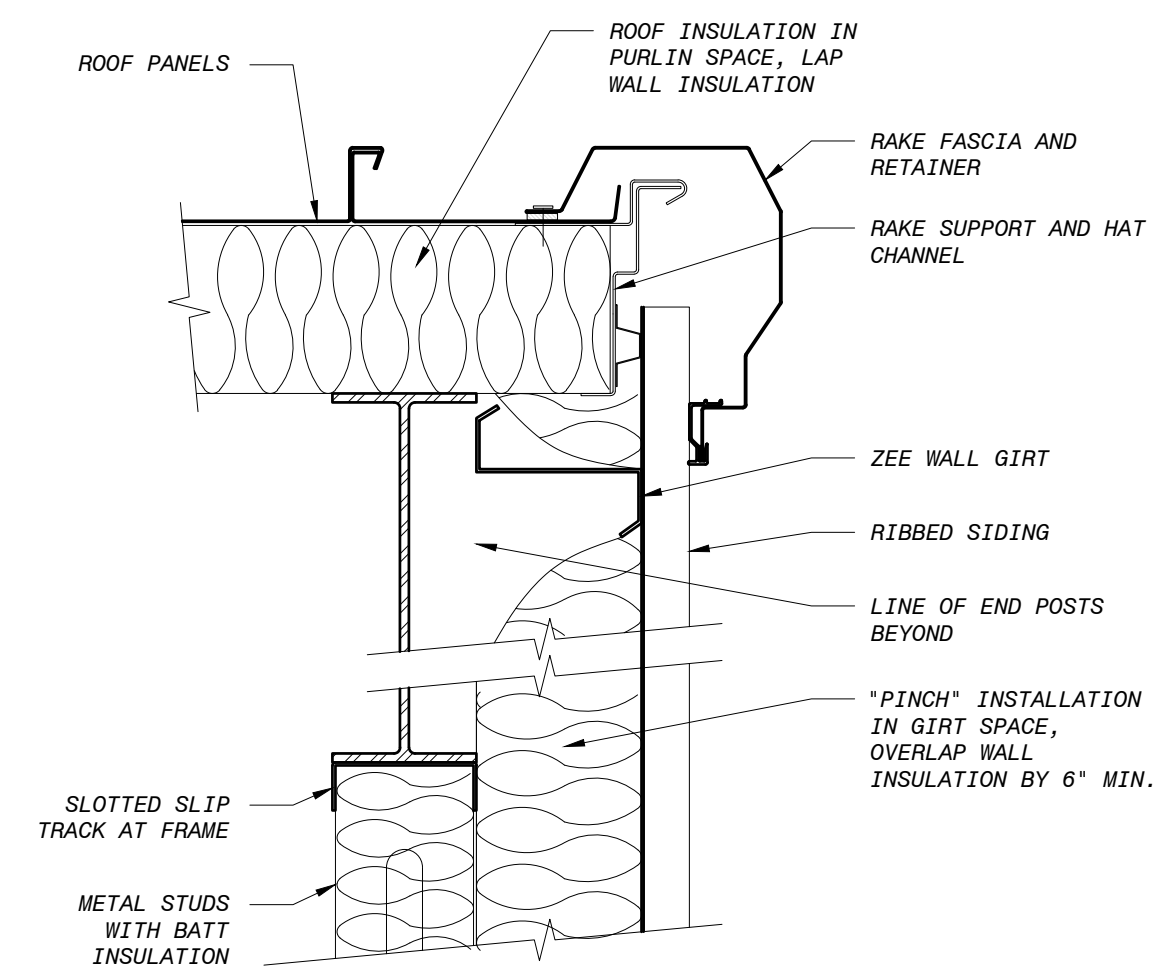
33 LOUVER SILL @ WALL
SCALE: 1 1/2" = 1'-0"



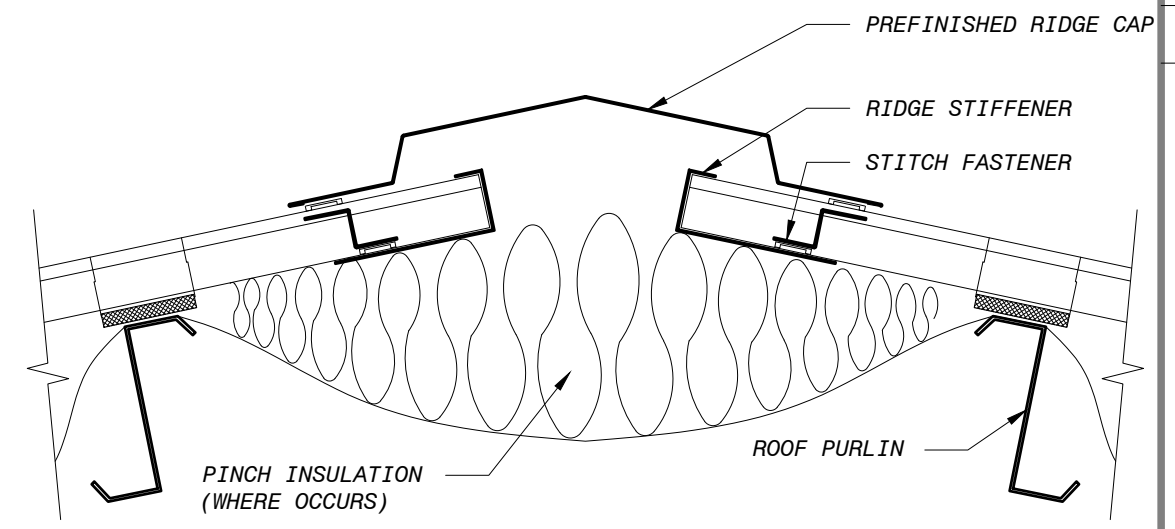
20 HIGH EAVE
SCALE: N.T.S.



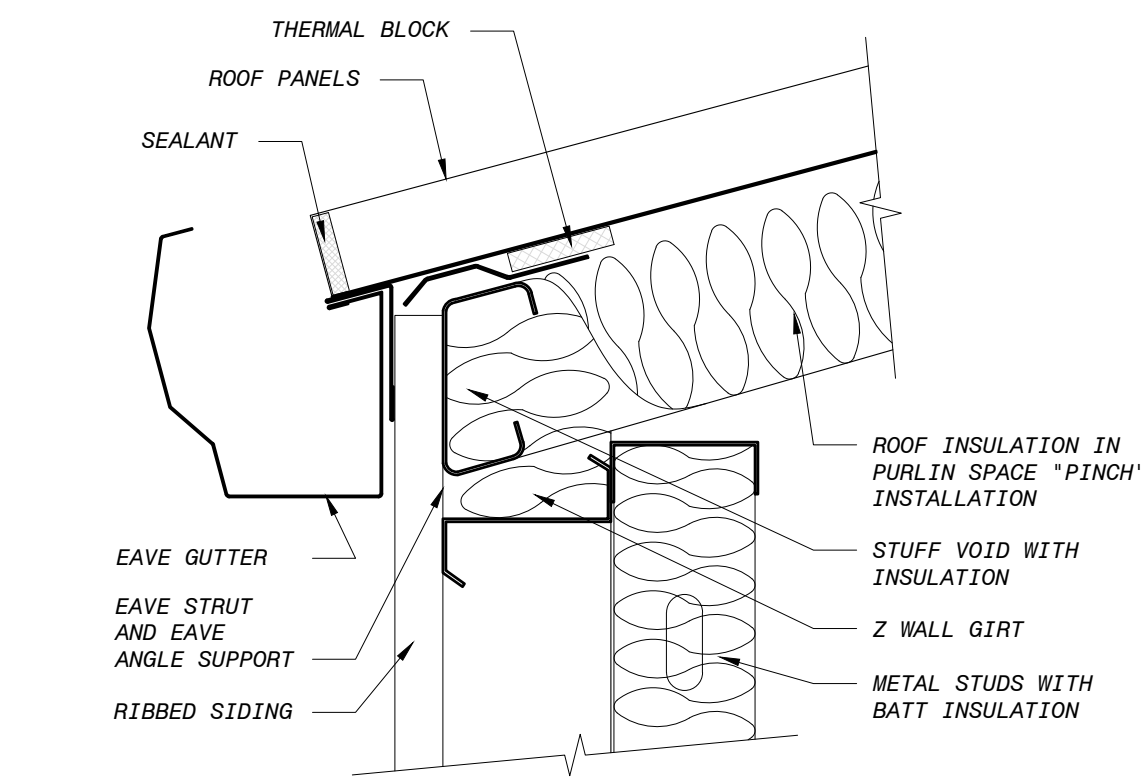
21 RAKE SECTION
SCALE: 1 1/2" = 1'-0"



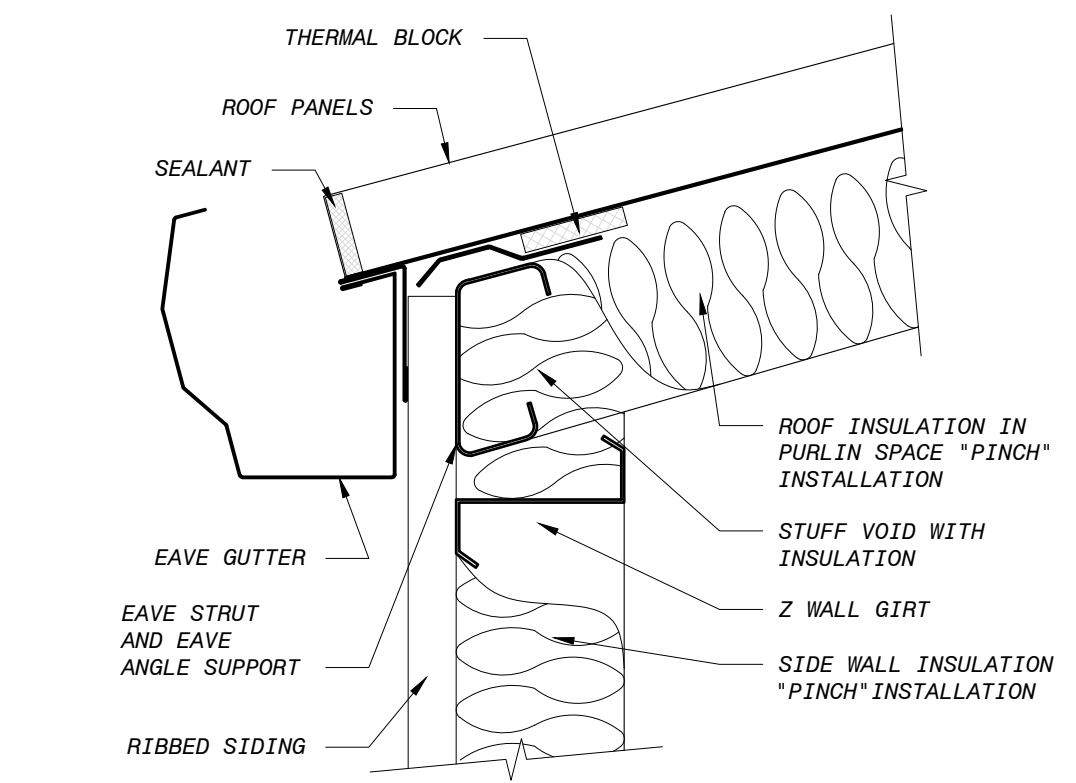
23 RAKE SECTION
SCALE: 1 1/2" = 1'-0"



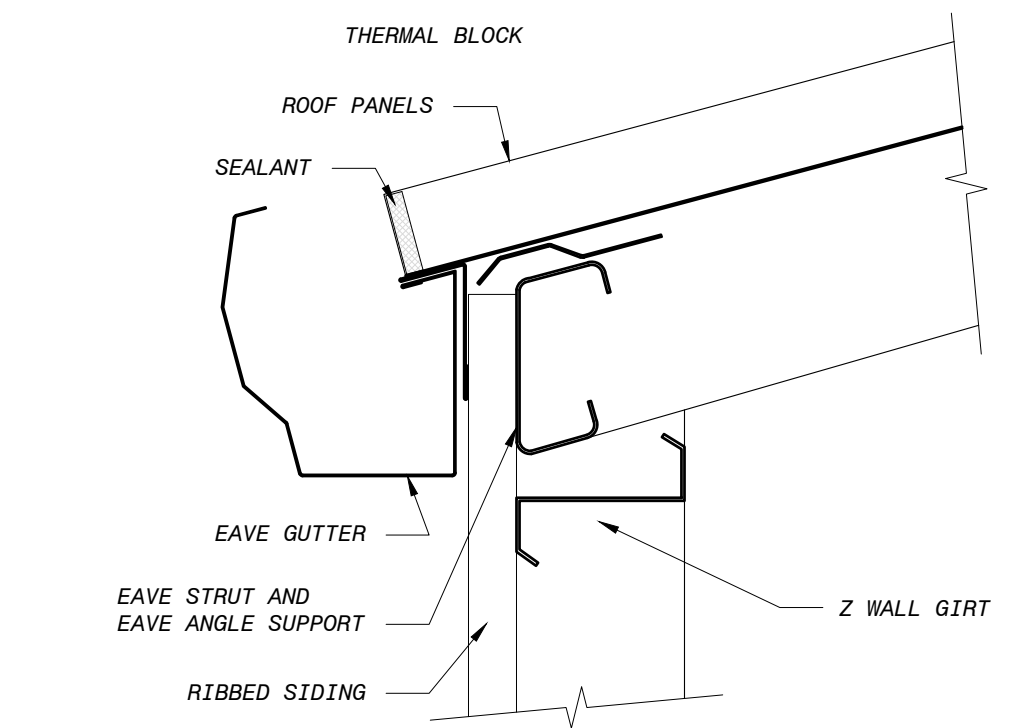
10 RIDGE
SCALE: 1 1/2" = 1'-0"



11 EAVE, GUTTER
SCALE: 1 1/2" = 1'-0"



12 EAVE, GUTTER
SCALE: 1 1/2" = 1'-0"



13 EAVE, GUTTER (NO INSULATION)
SCALE: 1 1/2" = 1'-0"

NO. BY GHK APP	
REVISIONS AND RECORD OF USE	
DATE	
JOINT VENTURE	
FRASER SEIPLE ARCHITECTS	BLACK & VEATCH
FILANC	
CITY OF MORRO BAY MORRO BAY WATER WATER RECLAMATION FACILITY (WRF)	
ARCHITECTURAL DETAILS ENTRY, LOUVER, AND ROOF EDGE DETAILS	
DESIGNED: BDF DETAILED: SS CHECKED: APPROVED: DATE: 5/19/20	
IF THIS BAR DOES NOT MEASURE 1\"/>	
PROJECT NO. 400530	
00-A-002 SHEET 233 OF 412	

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50

FIREPROOFING (W-L-8071)

SCALE: N.T.S.

40

FIREPROOFING (W-L-7040)

SCALE: N.T.S.

30

FIREPROOFING (W-L-5028)

SCALE: N.T.S.

21

FIREPROOFING (W-L-1054)

SCALE: N.T.S.

System No. W-L-8071
F Ratings - 1 and 2 Hr (See Item 1)
T Rating - 0 and 1/2 Hr (See Item 2D)

1) Nom 2 in. (51 mm) diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly.

2) Nom 1 in. (25 mm) diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly.

3) Nom 2 in. (51 mm) diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly.

WARD MFG INC.

The T Rating of the firestop system is 1/2 hr except that when Item 2D is used, the T Rating is 0 hr.

3. Electrical Nonmetallic Tubing (ENTH) — Nom 2 in. (51 mm) diam (or smaller) ENH formed of PVC, installed in accordance with Article 311 of the National Electrical Code (NFPA No. 70). Max one ENT installed concentrically or eccentrically within the opening. Annular space between ENT and periphery of opening to be min 1/4 in. (6 mm) to max 2 in. (51 mm). Annular space between ENT and metallic penetrants or cables to be min 1/2 in. (13 mm) to max 1-1/2 in. (38 mm). ENT to be rigidly supported on both sides of the wall assembly.

See Electrical Nonmetallic Tubing (FNH) in UL Electrical Construction Materials Directory for names of manufacturers.

4. Cables — Nom 4 in. (102 mm) diam (or smaller) tight bundle of cables. Cable bundle spaced 0 in. (point contact) to 2 in. (51 mm) from periphery of opening. Cable bundle to be rigidly supported on both sides of wall assembly. Any combination of the following types and sizes of cables may be used:

A. Max 200 pair No. 24 AWG (or smaller) copper conductor with polyvinyl chloride (PVC) insulation and jacket materials.

B. Max 12 No. 500 kcmil (or smaller) copper conductor cable with cross-linked polyethylene (XLPE) jacket.

C. Max 3C with ground No. 20 AWG (or smaller) aluminum conductor SER cables with PVC insulation and jacket.

D. Max 3C No. 8 AWG (or smaller) copper conductor metal clad cable.

E. Max 4 pair No. 24 AWG (or smaller) copper conductor communication cable.

F. Max RGQJ coaxial cable with fluorinated ethylene insulation and jacket.

5. Firestop System — The firestop system shall consist of the following:

A. Fill, Void or Cavity Material* — Sealant — Min 5/8 in. (16 mm) thickness of fill material applied within annulus flush with both surfaces of wall. At point contact locations, apply a min 1/2 in. (13 mm) diam bead of fill material at the penetrant/gypsum board interface.

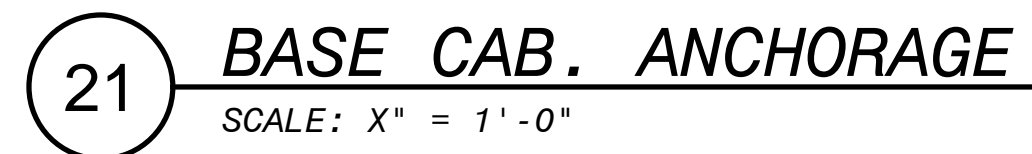
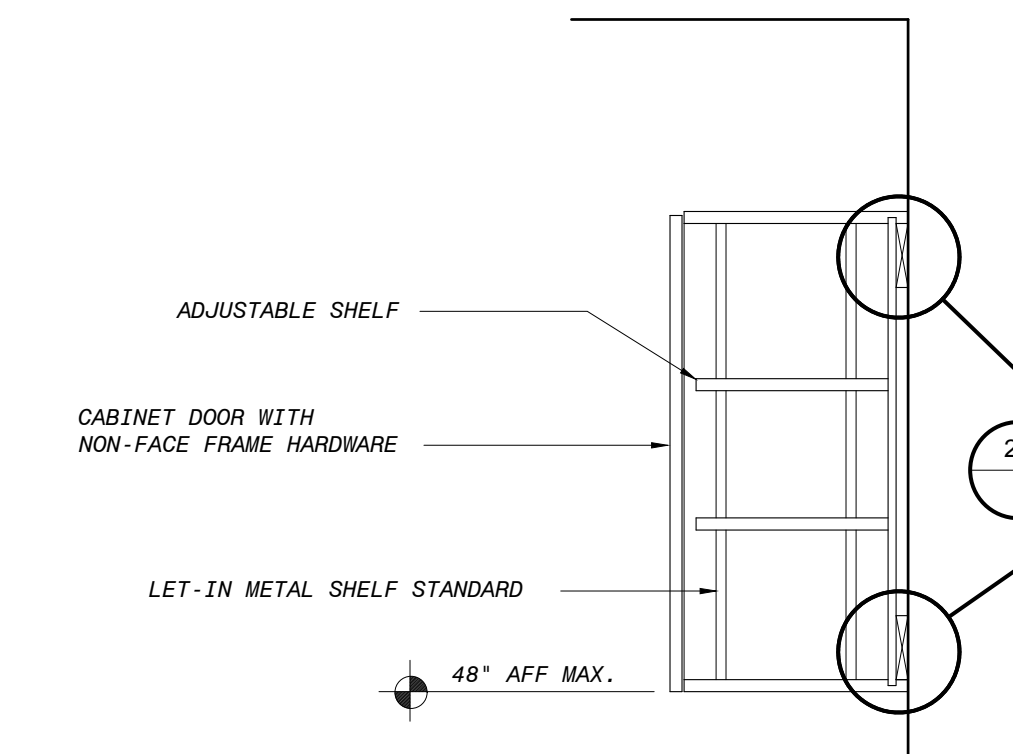
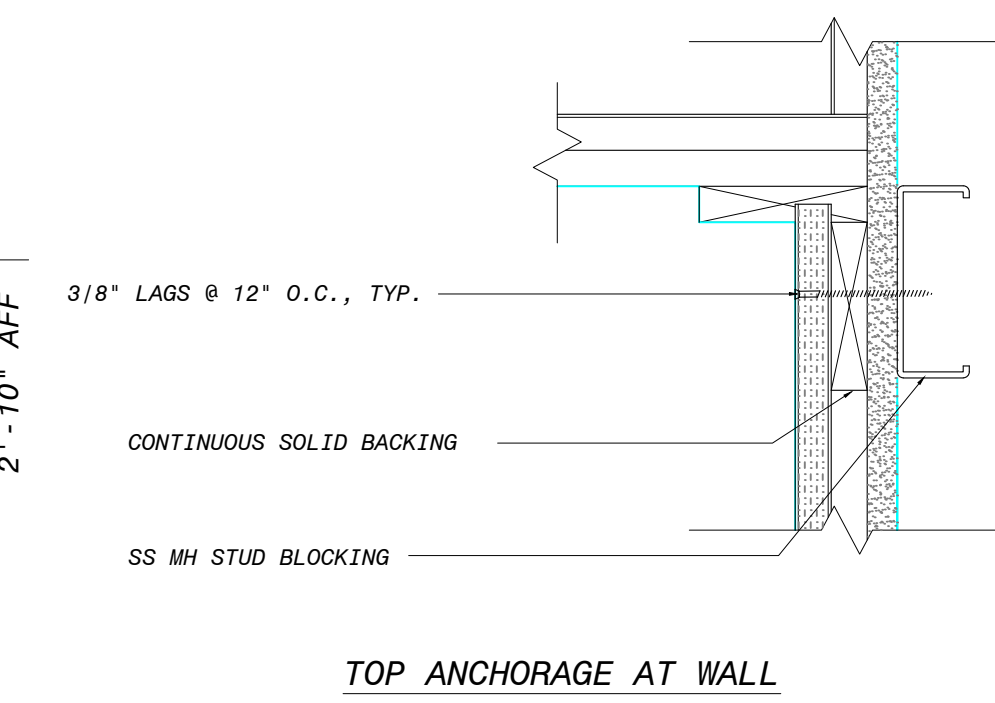
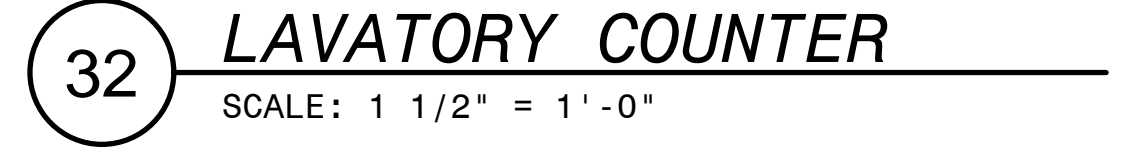
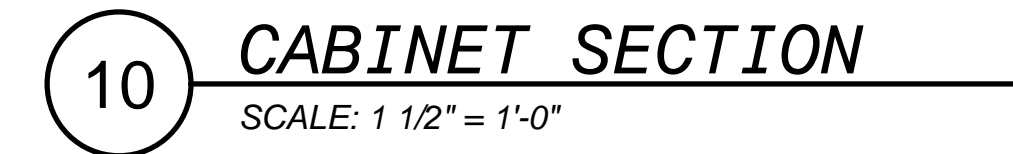
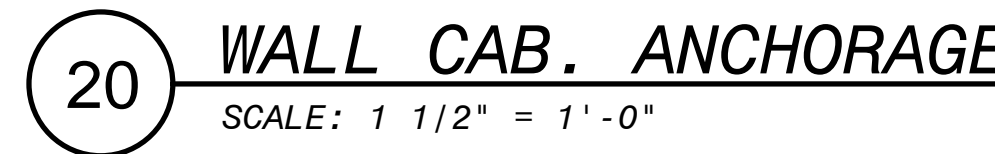
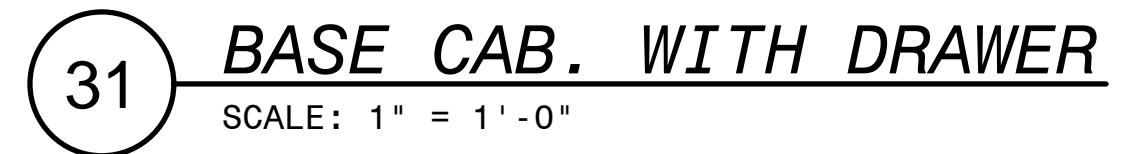
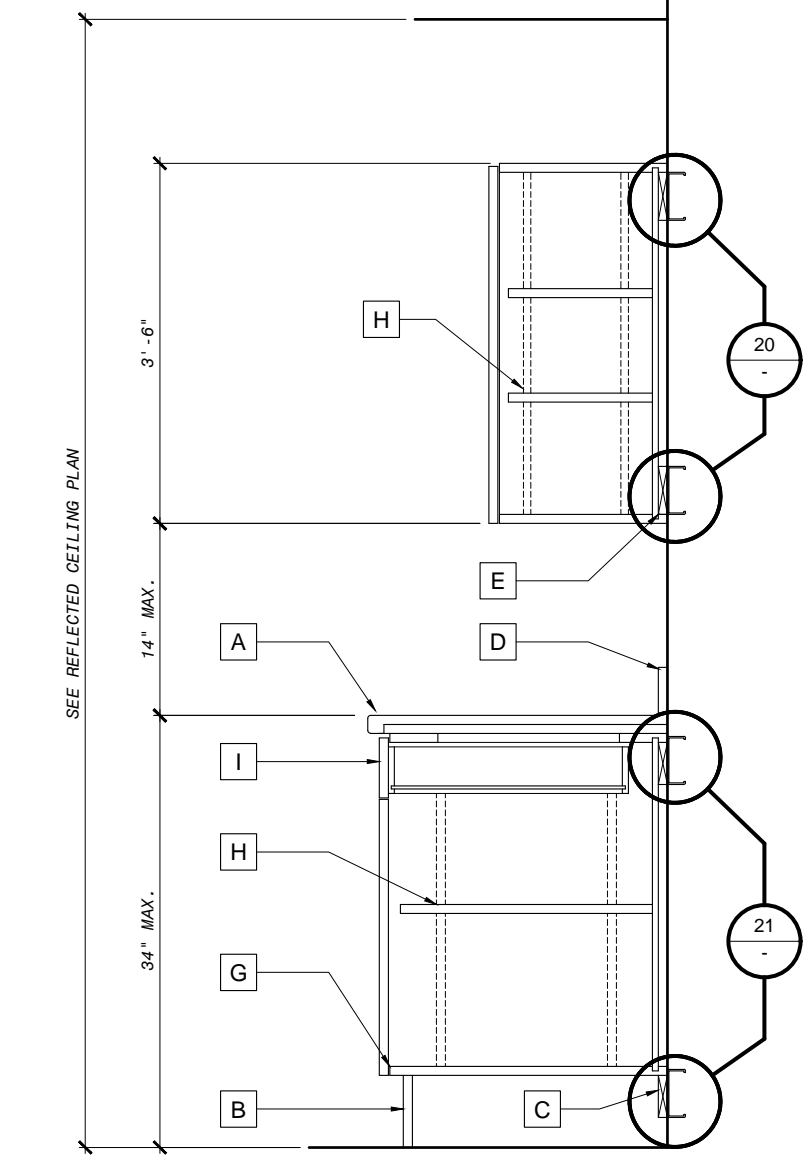
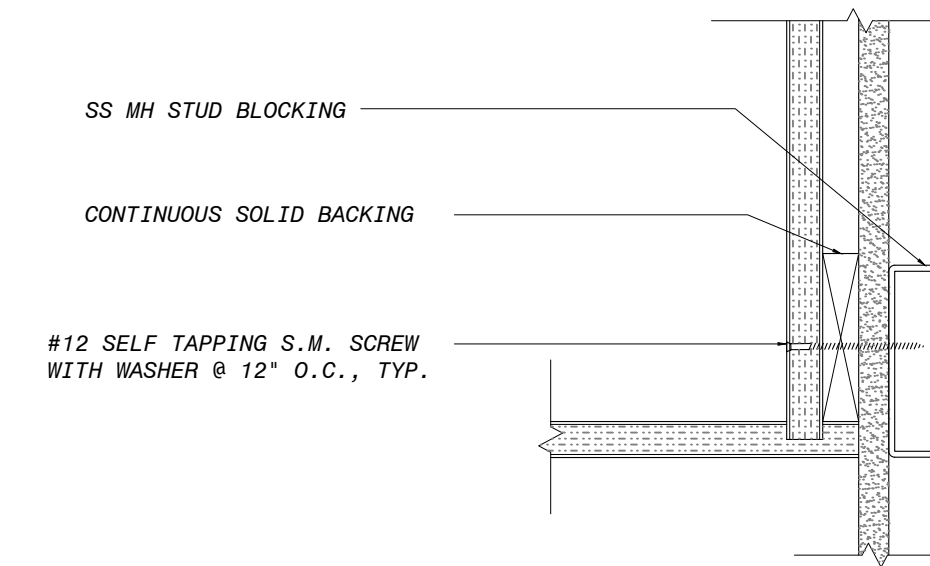
HILTI CONSTRUCTION CHEMICALS, DIV OF
HILTI INC. — FS-One Sealant

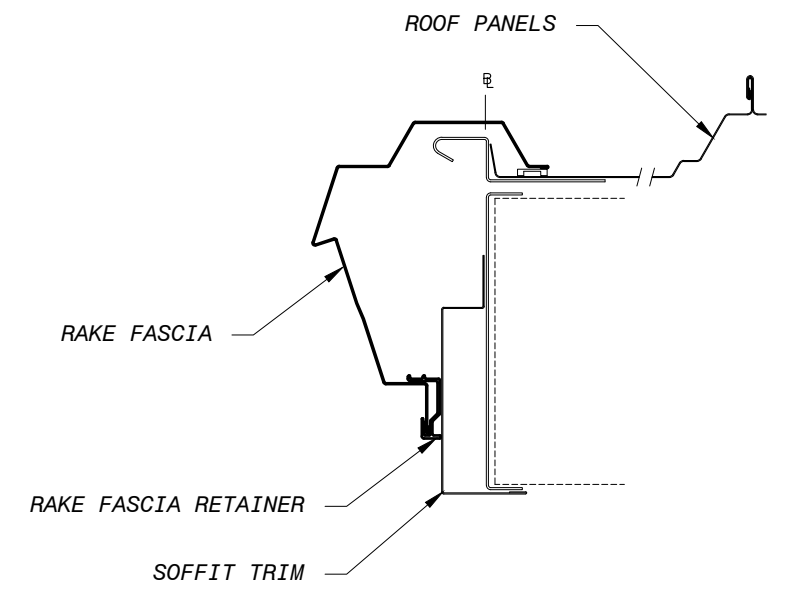
*Bearing the UL Classification Mark
+Bearing the UL Listing Mark

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July 26, 2006

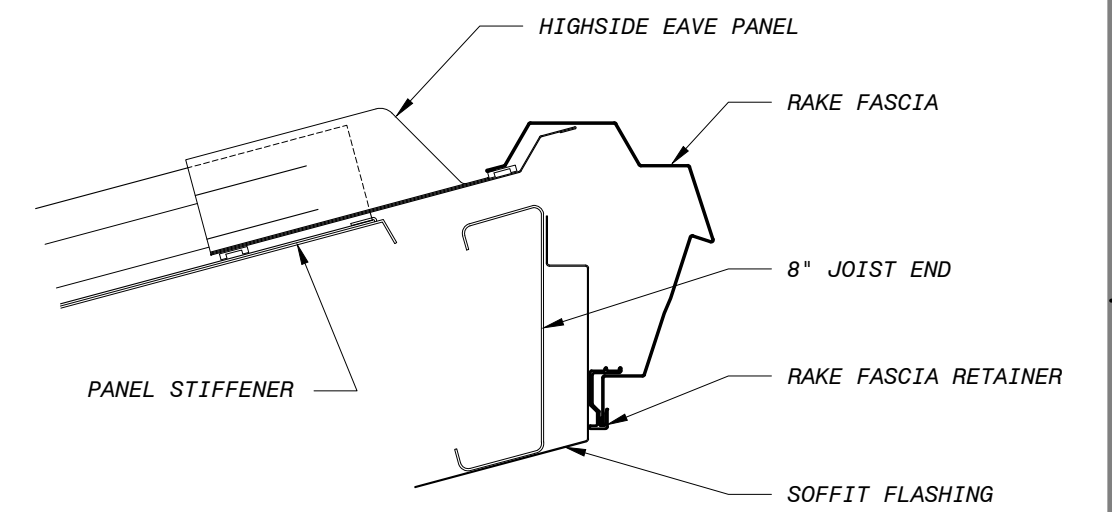
Page: 2 of 2

System No. W-L-8071
F Ratings - 1 and 2 Hr (See Item 1)
T Rating - 0 and 1/2 Hr (See Item 2D)

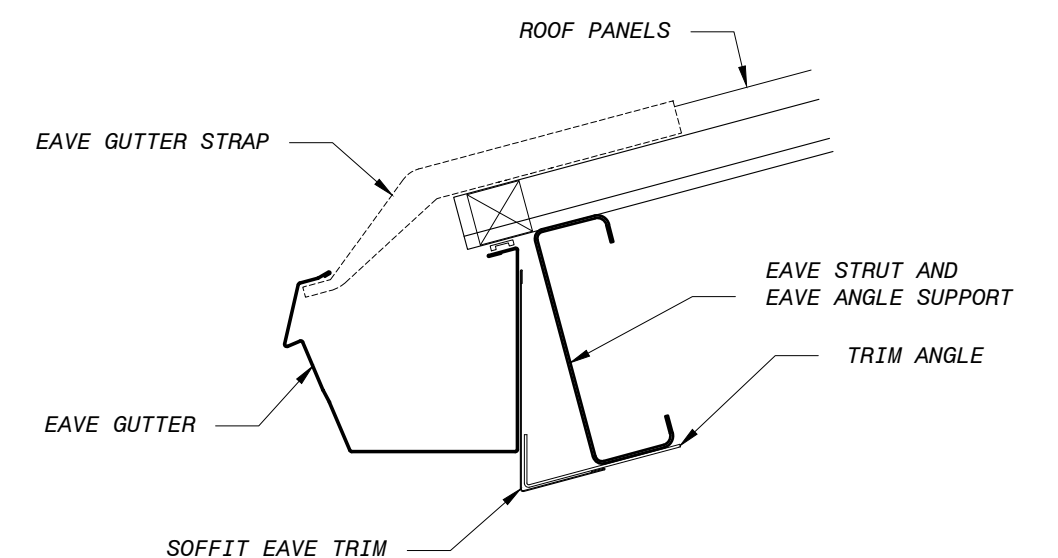




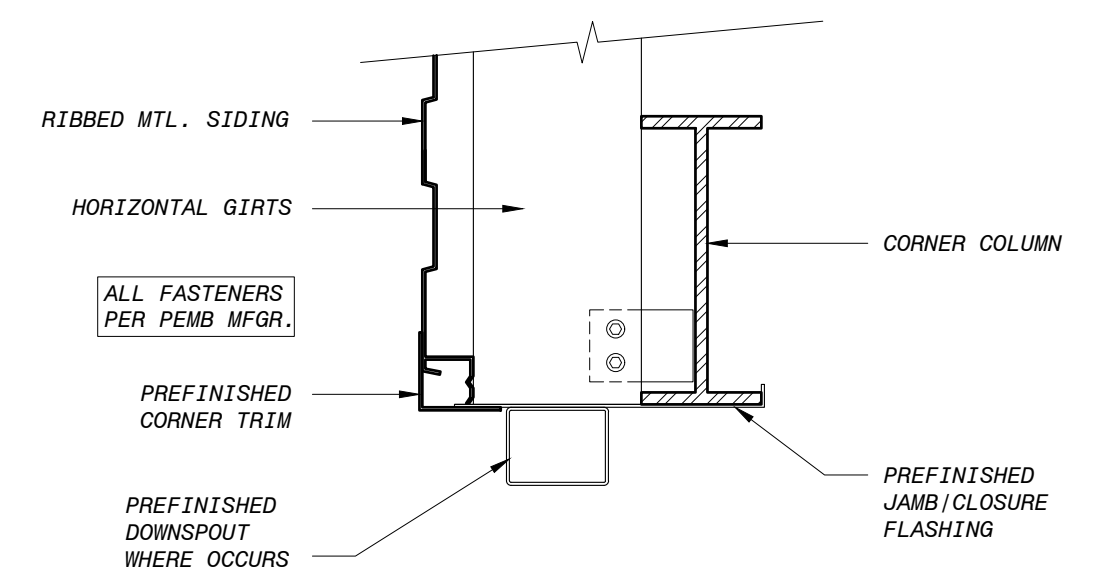
10 *CANOPY RAKE TRIM*
SCALE: N.T.S.



11 CANOPY HIGH EAVE FASCIA
SCALE: N.T.S.



12 *EAVE, GUTTER*
SCALE: 1 1/2" = 1'-0"



13 *CORNER TRIM*
SCALE: 1 1/2" = 1'-0"

[illegible]

**FRASER
SEIPLE** TECHNICALS

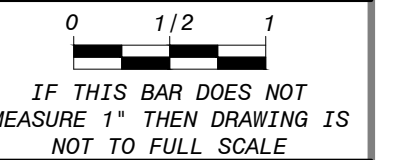
JOINT VENTURE

FILANC BLACK & VEATCH

CITY OF MORRO BAY
MORRO BAY WATER
WATER RECLAMATION FACILITY (WRF)

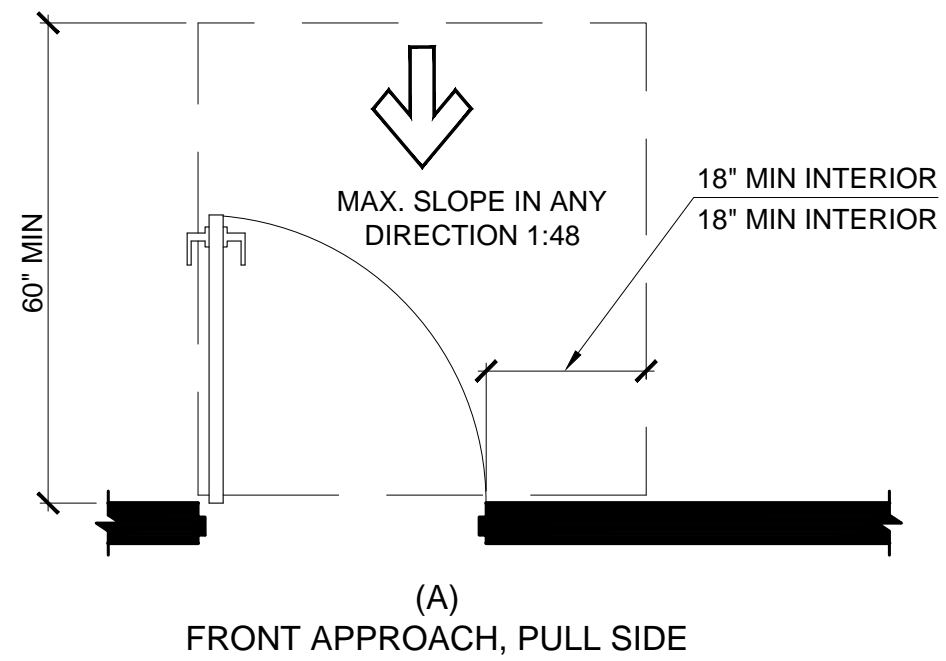
ARCHITECTURAL
DETAILS
ENTRY, LOUVER, AND ROOF EDGE DETAILS

DESIGNED: BDF
ETAILED: SS
CHECKED:
APPROVED:
DATE: 5/19/20

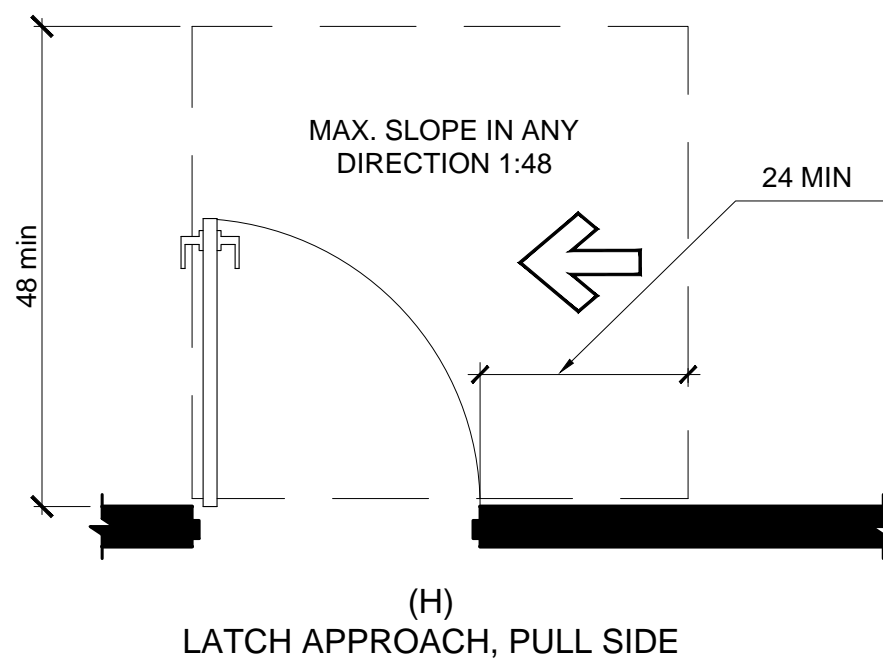


PROJECT NO.
400530

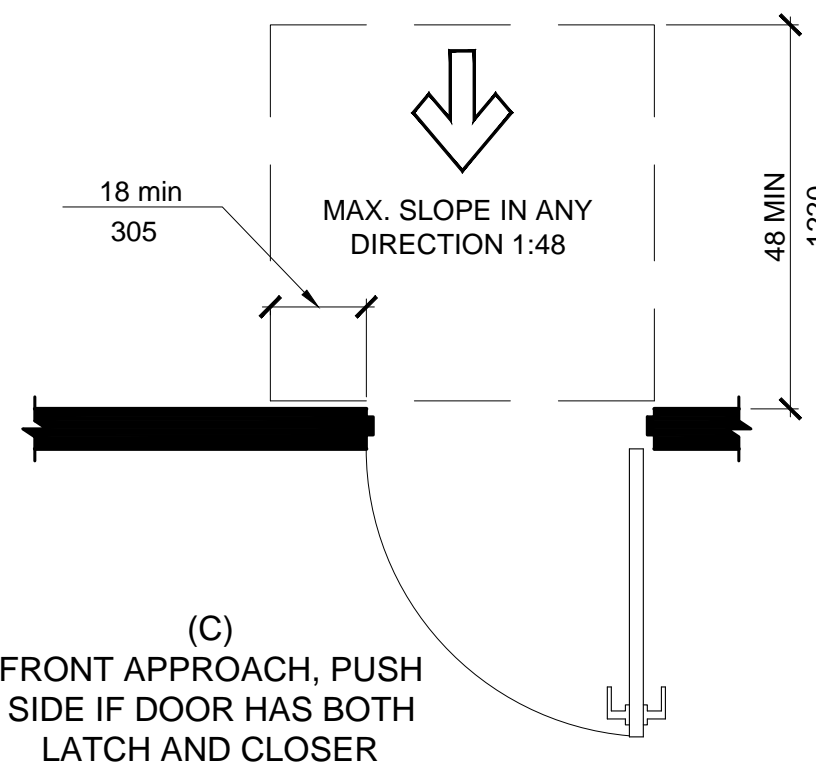
00-A-006
SHEET
237 OF 412



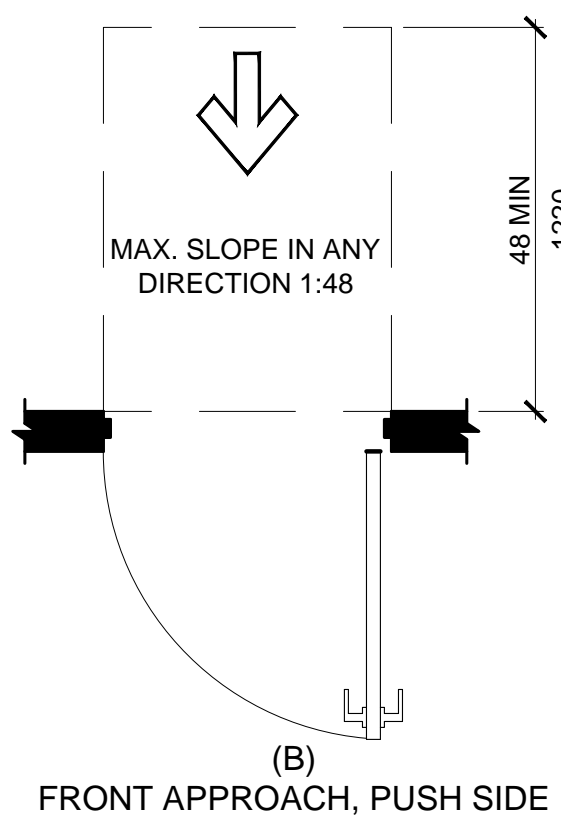
30 MANEUVERING CLEARANCE
SCALE: 1/2" = 1'-0"



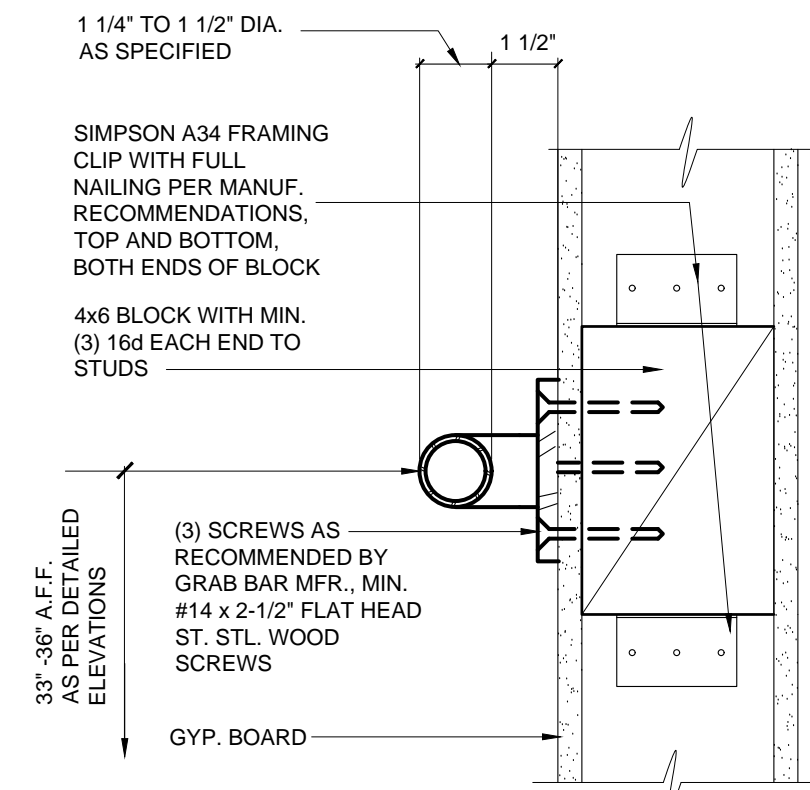
31 MANEUVERING CLEARANCE
SCALE: 1/2" = 1'-0"



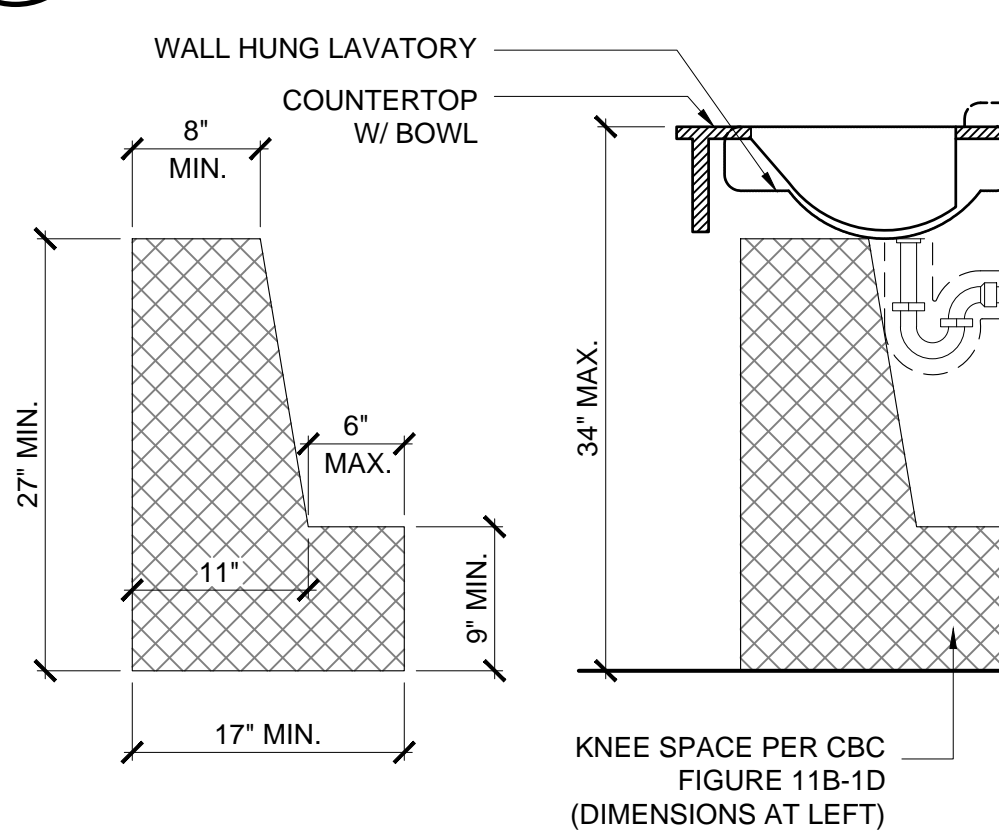
32 MANEUVERING CLEARANCE
SCALE: 1/4" = 1'-0"



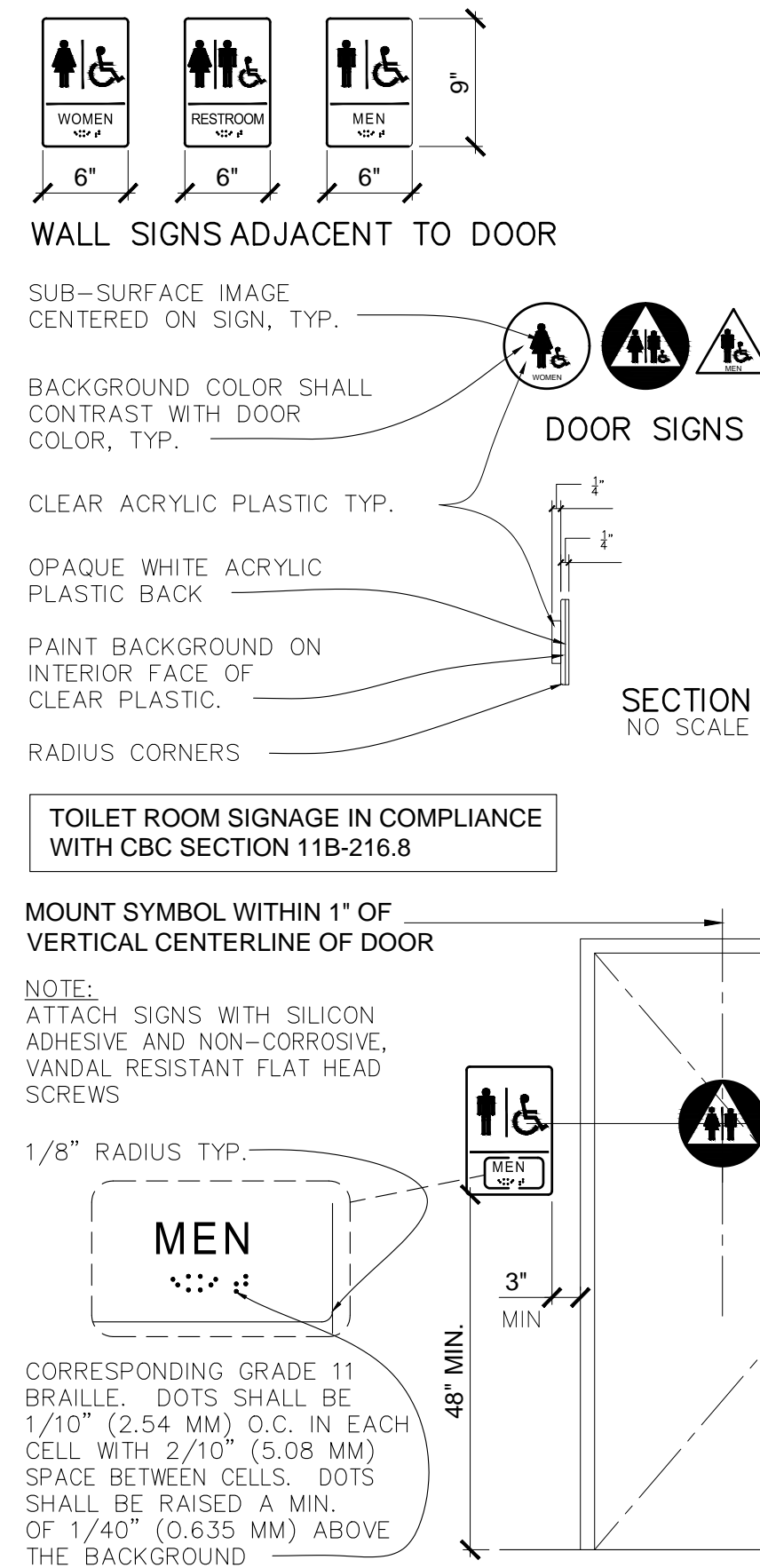
33 MANEUVERING CLEARANCE



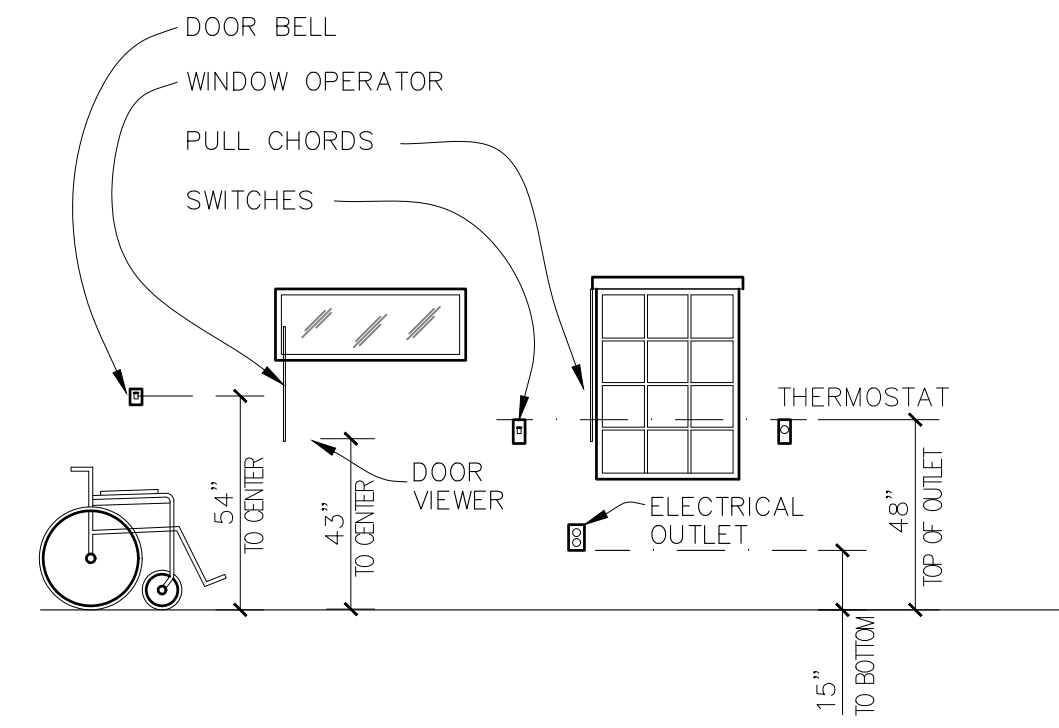
20 *TYP. GRAB MOUNT*
SCALE: 3" = 1'-0"



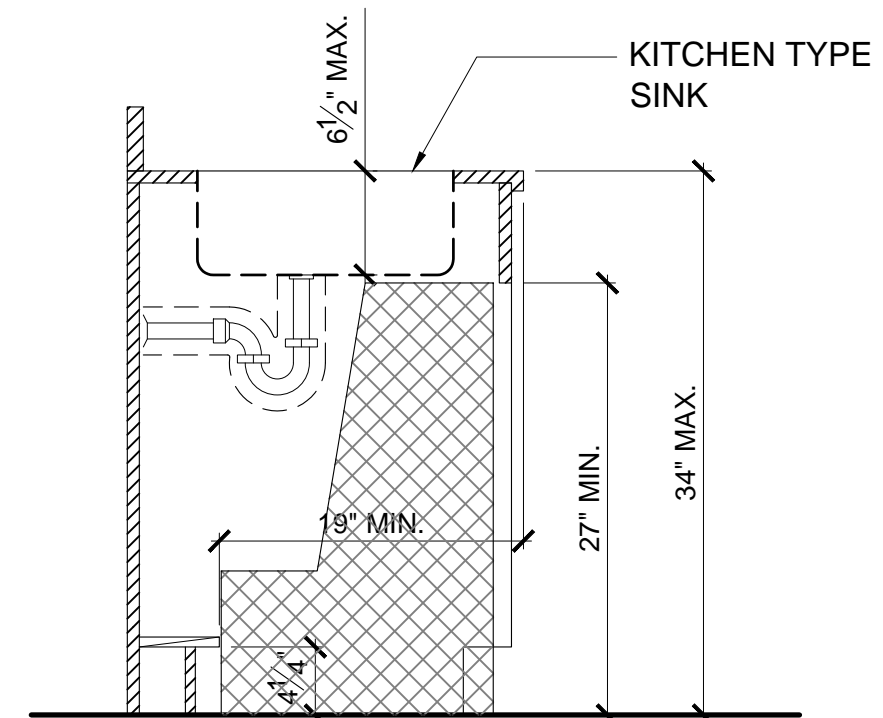
21 ACCESSIBLE KNEESPACE
SCALE: 1" = 1'-0"



23 ACCESSIBLE SIGNAGE
SCALE: 1/4" = 1'-0"

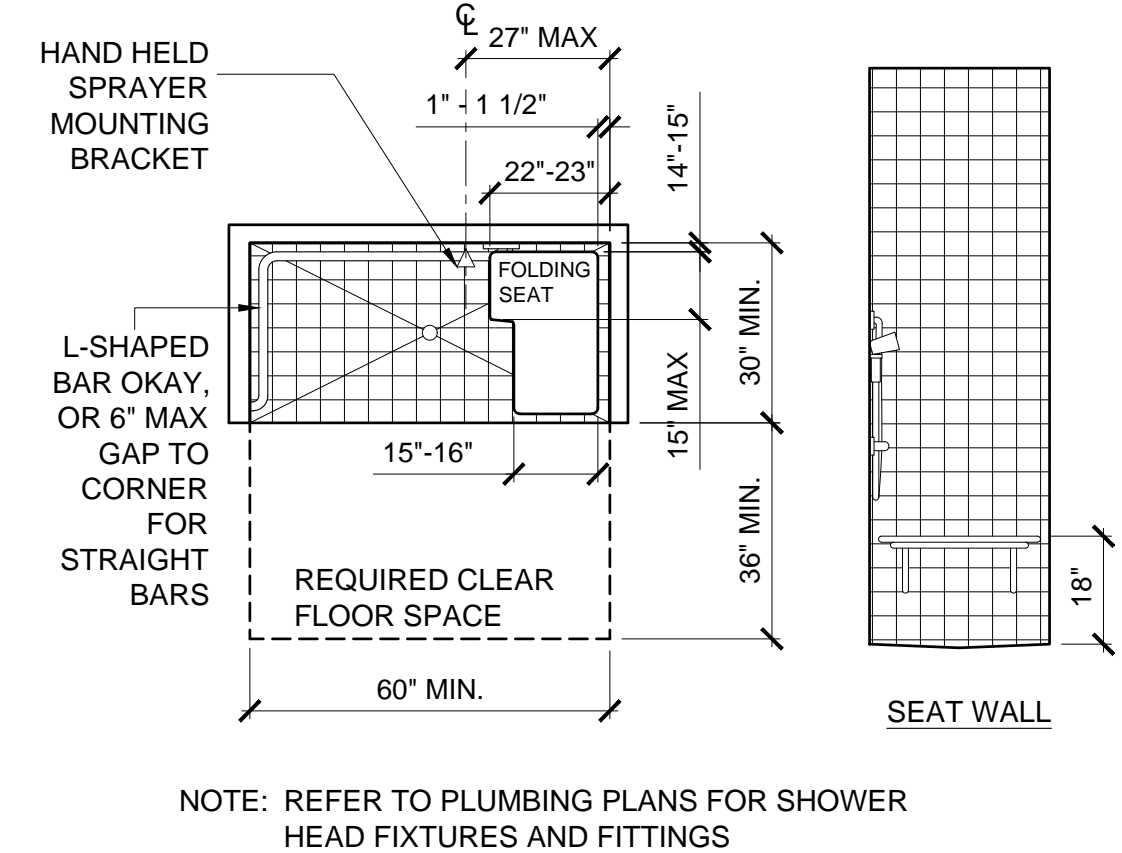


10 SWITCHES AND OUTLETS

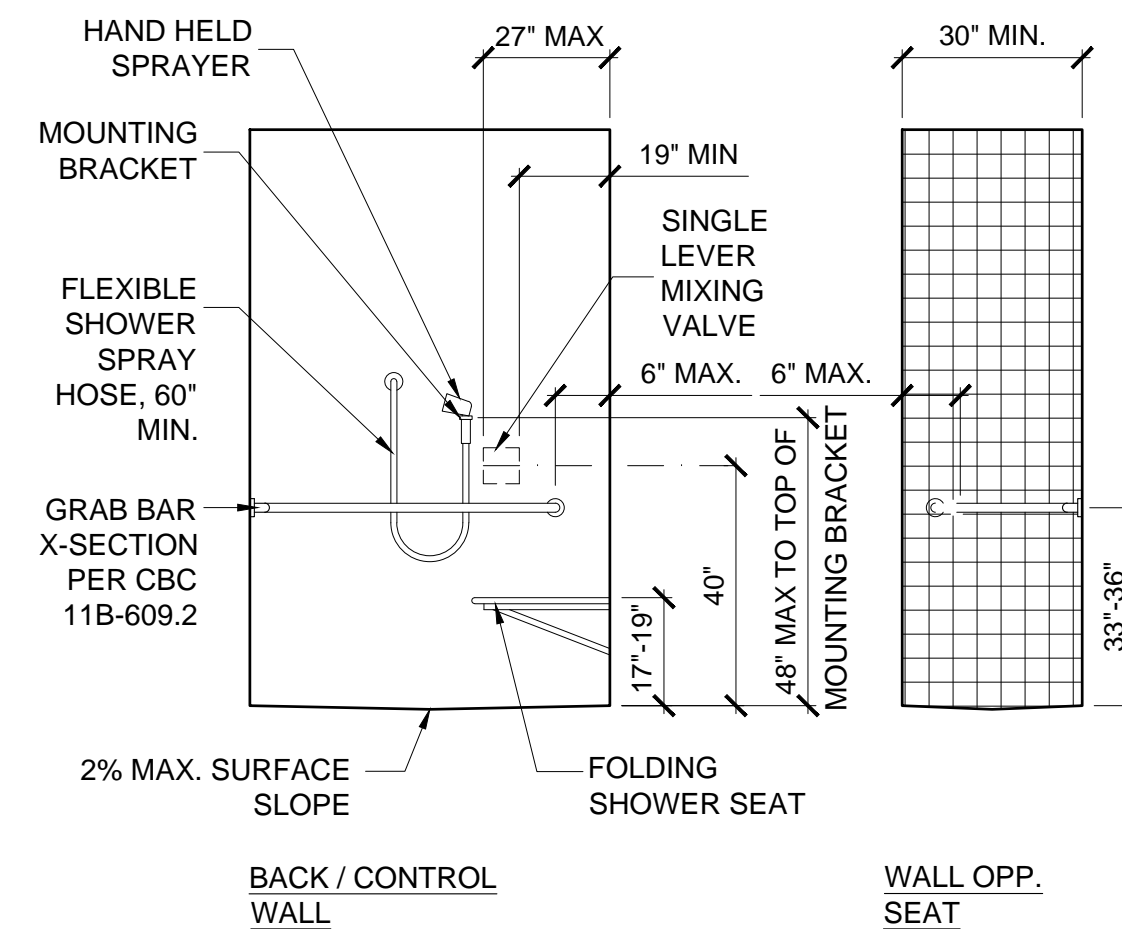


NOTE: PROVIDE ACCESSIBLE KNEE SPACE PER CBC FIGURE 11B-1D.

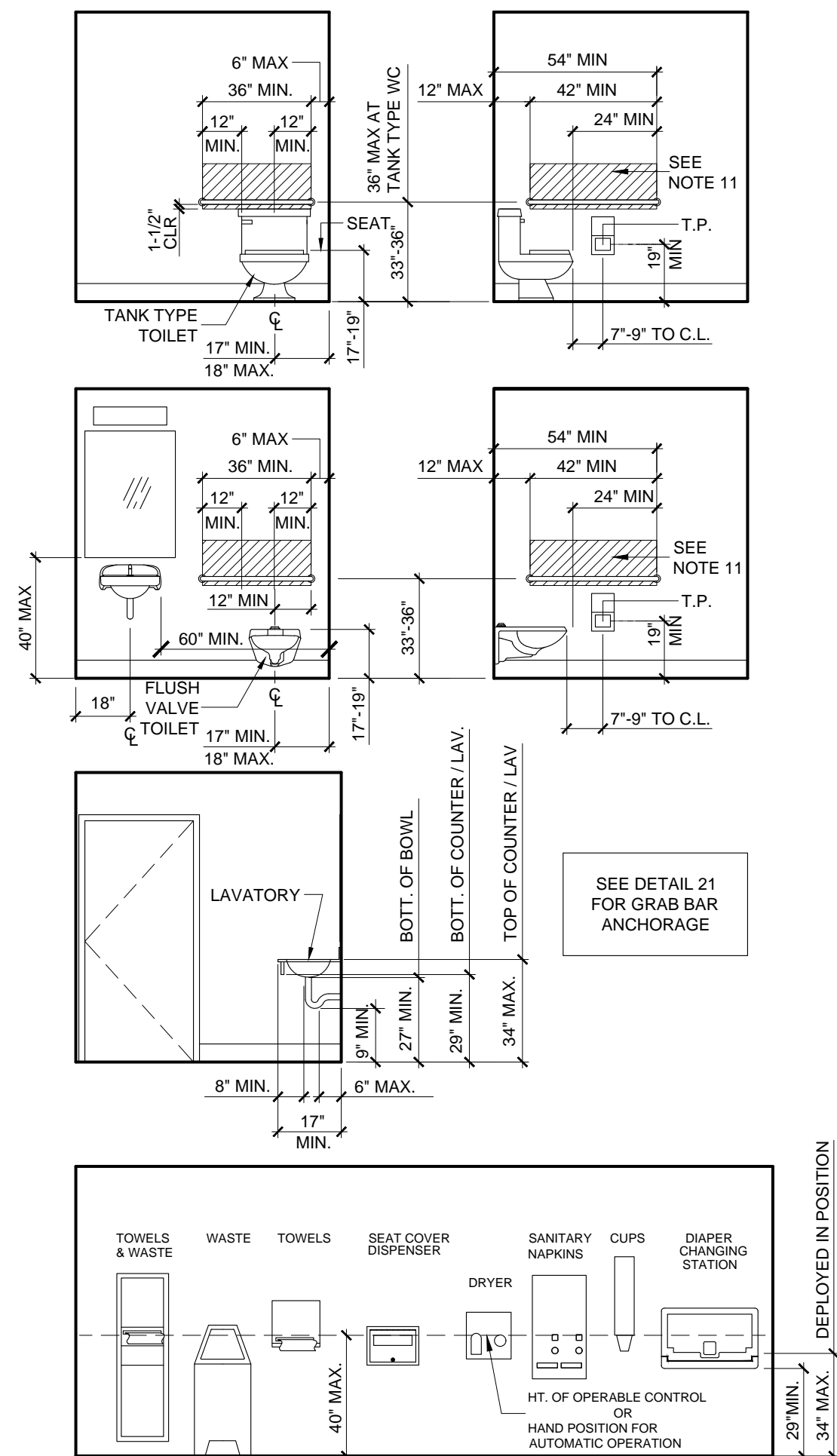
11 ACCESSIBLE SINK BASE
SCALE: 1" = 1'-0"



NOTE: REFER TO PLUMBING PLANS FOR SHOWER
HEAD FIXTURES AND FITTINGS



13 ACCESSIBLE SHOWER
SCALE: 3/8" = 1' - 0"

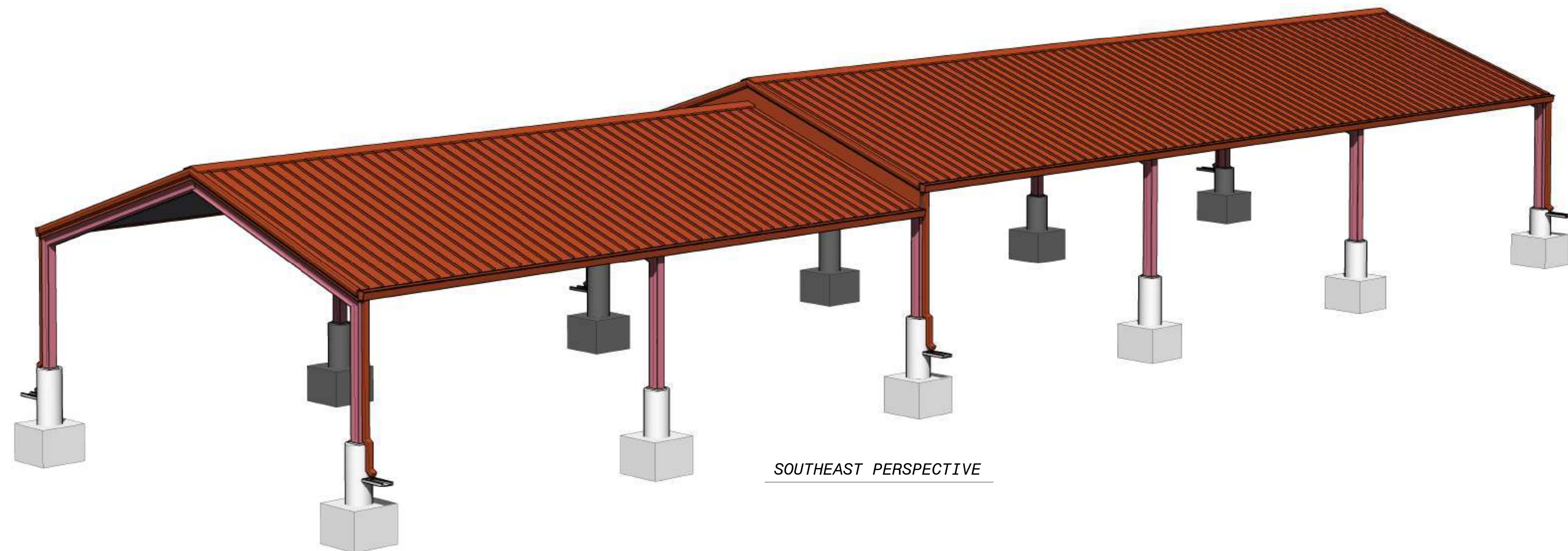
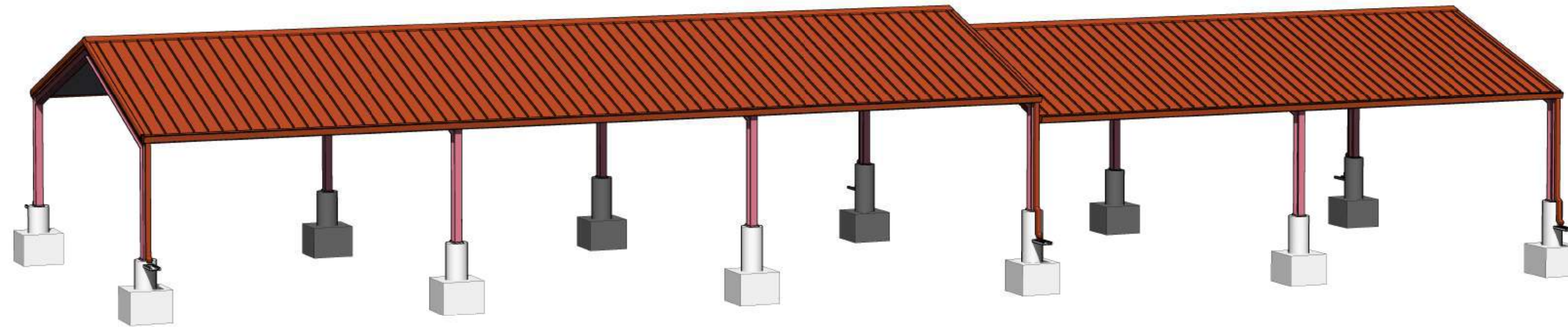


43 RESTROOM FIXTURES AND ACCESSORY POSITIONING

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

- ## ACCESSIBILITY NOTES

1. UNLESS NOTED OTHERWISE, TOILET ROOM FIXTURES AND ACCESSORY INSTALLATION SHALL COMPLY WITH THESE NOTES AND ACCOMPANYING ILLUSTRATIONS
2. PROVIDE MINIMUM 30"x 48" CLEAR FLOOR OR GROUND SPACE TO ALLOW FORWARD OR PARALLEL APPROACH TO ACCESSORIES.
3. ONE FULL UNOBSTRUCTED SIDE OF THE CLEAR OR GROUND SPACE SHALL ADJOIN OR OVERLAP AN ACCESSIBLE ROUTE OR ADJOIN ANOTHER WHEELCHAIR CLEAR FLOOR SPACE.
4. MOUNT MIRROR(S) WITH THE BOTTOM EDGE NO HIGHER THAN 40" FROM FLOOR.
5. OPERABLE PARTS (INCLUDING COIN SLOTS) OF ALL FIXTURES OR ACCESSORIES SHALL BE LOCATED A MAXIMUM OF 40" ABOVE FLOOR, INCLUDING BUT NOT LIMITED TO SOAP DISPENSERS, TOWELS, TOILET SEAT COVERS, AUTO DRYERS, SANITARY NAPKIN DISPENSERS, AND WASTE RECEPTACLES.
6. CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST.
7. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE 5 LB. MAXIMUM AND PROVIDE 10 SECONDS MINIMUM OF RUNNING WATER.
8. COAT HOOKS, SHELVING AND SIMILAR WALL MOUNTED ITEMS SHALL BE LOCATED WITHIN APPROPRIATE REACH RANGES AS REQUIRED BY CBC 11B-604.8.3 AS FOLLOWS:
 - COAT HOOKS SHALL BE LOCATED WITHIN ONE OF THE REACH RANGES SPECIFIED IN SECTION 11B-308.
 - SHELVES SHALL BE LOCATED 40" MIN AND 48" MAX ABOVE FINISHED FLOOR.
9. IF MEDICINE CABINETS ARE PROVIDED, AT LEAST ONE SHALL HAVE A USABLE SHELF NO HIGHER THAN 44" ABOVE FLOOR
10. PROVIDE APPROVED PROTECTIVE INSULATION WRAP AT HOT WATER SUPPLIES AND DRAIN PIPES TO PREVENT CONTACT. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER SINKS AND LAVATORIES.
11. ITEMS PROTRUDING FROM THE WALL ARE NOT PERMITTED IN THE CROSSHATCHED ZONE (WITHIN 12" ABOVE A GRAB BAR, WITHIN 1-1/2" BELOW A GRAB BAR
12. WATER CLOSET LOCATION SHALL COMPLY WITH CBC SECTION 11B-604.2. THE WATER CLOSET SHALL BE POSITIONED WITH A WALL OR PARTITION TO THE REAR AND TO ONE SIDE. THE CENTERLINE OF THE WATER CLOSET SHALL BE 17 INCHES MINIMUM TO 18 INCHES MAXIMUM FROM THE SIDE WALL OR PARTITION.



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D400530

FRASER
SEIPLE
ARCHITECTS

JOINT VENTURE



FILANC®

**CITY OF MORRO BAY
MORRO BAY WATER
RECLAMATION FACILITY (WRF)**

WRF PARKING CANOPY
ARCHITECTURAL
PERSPECTIVES

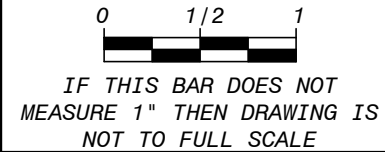
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DETAILED: ANH

CHECKED: -

APPROVED: BDF

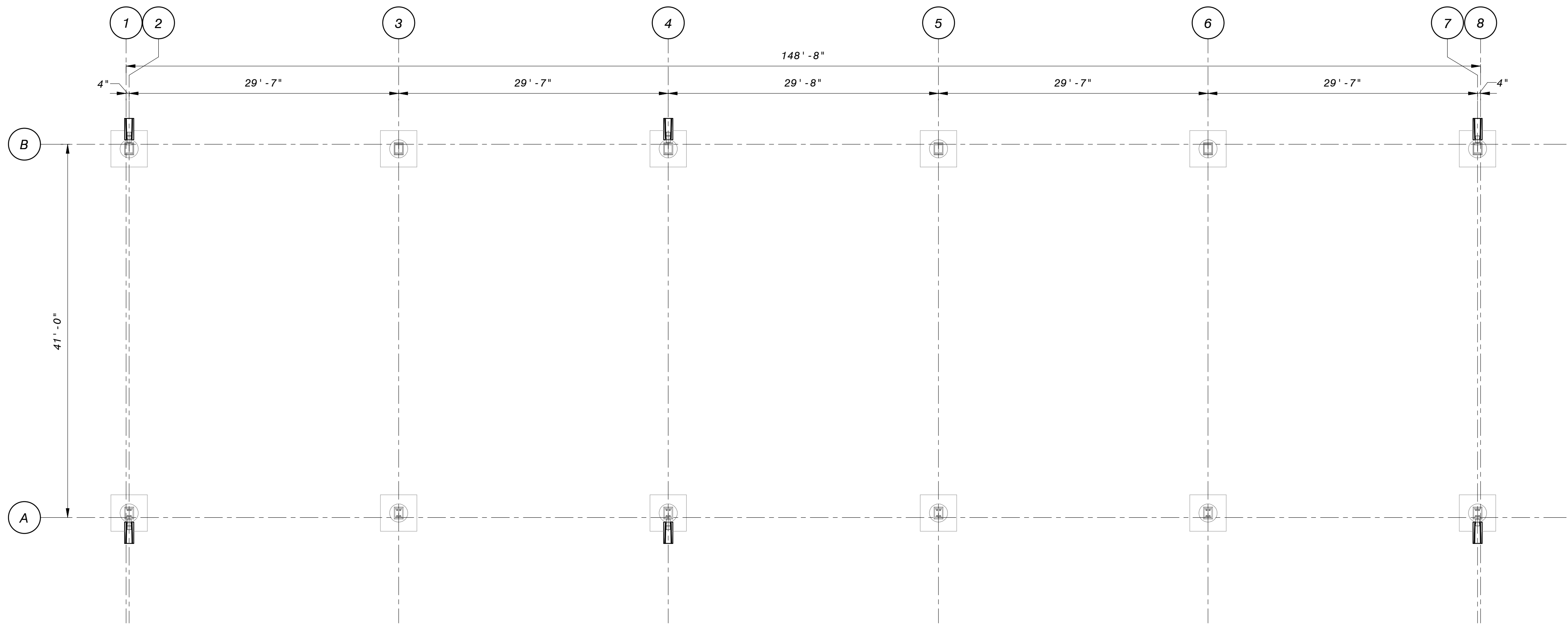
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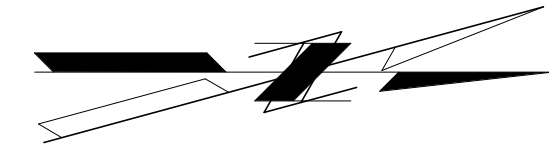
PROJECT NO.
400530

14-A-001
SHEET
239 OF 412

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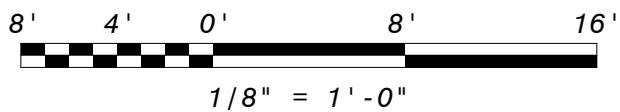


TOP OF CONCRETE
1/8" = 1'-0"



GENERAL SHEET NOTES

SHEET KEYNOTES



CITY OF MORRO BAY
MORRO BAY WATER
RECLAMATION FACILITY (WRF)

WRF PARKING CANOPY
ARCHITECTURAL
FLOOR PLAN

DESIGNED: BDF
DETAILED: ANH
CHECKED: -
APPROVED: BDF
DATE: 5/19/2020

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

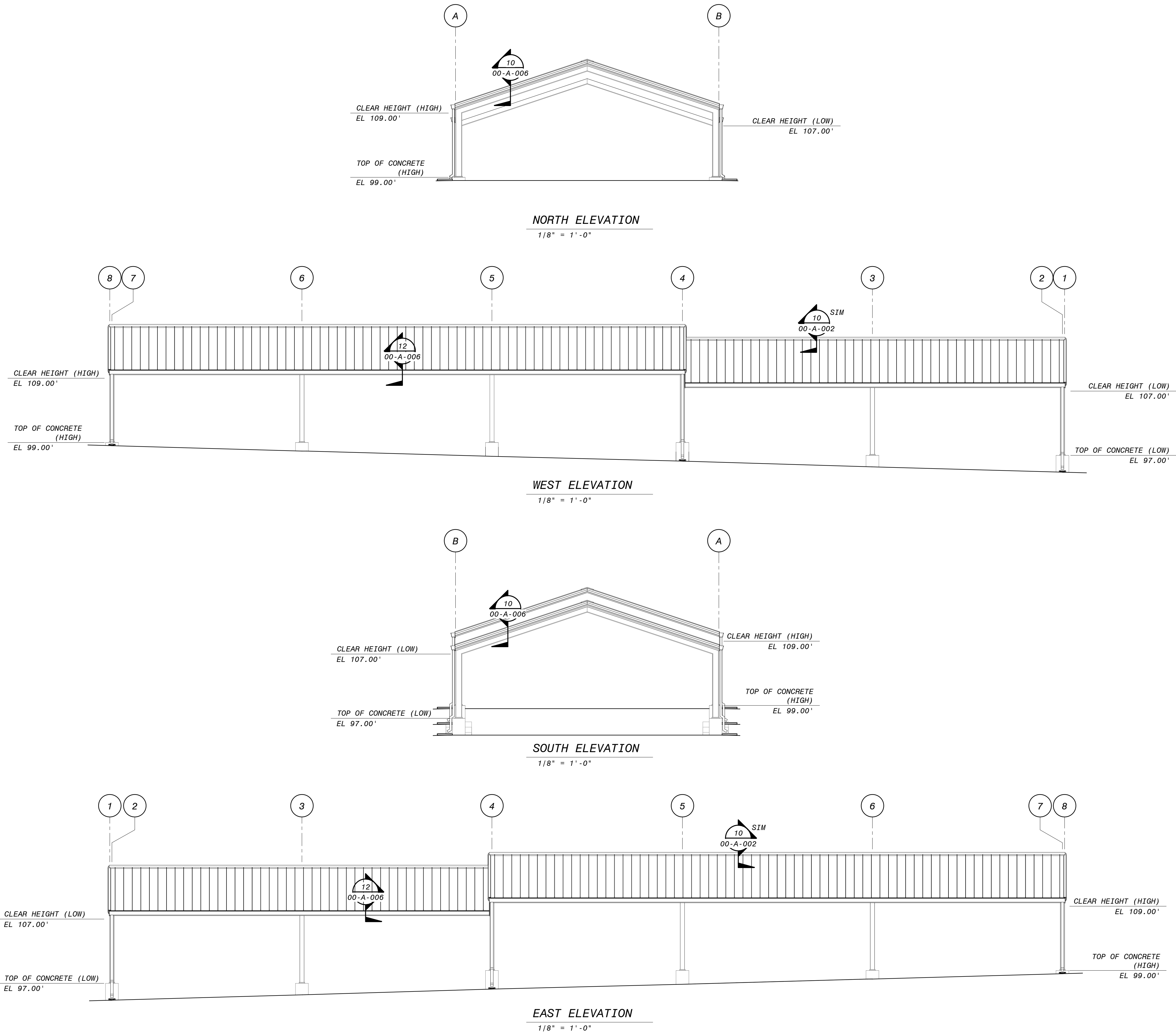
PROJECT NO.
400530

14-A-101
SHEET
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NO.	BY	CHK	APP	DATE	ISSUED FOR CONSTRUCTION	REVISIONS AND RECORD OF USE
0	BDF	EVB		5/19/2020		

04/06/20
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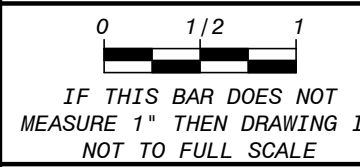
GENERAL SHEET NOTES

SHEET KEYNOTES

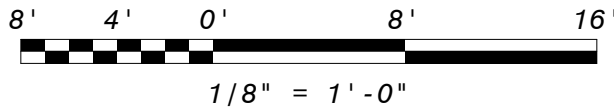


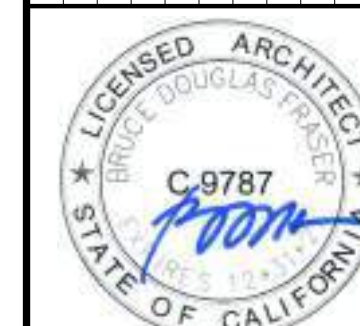
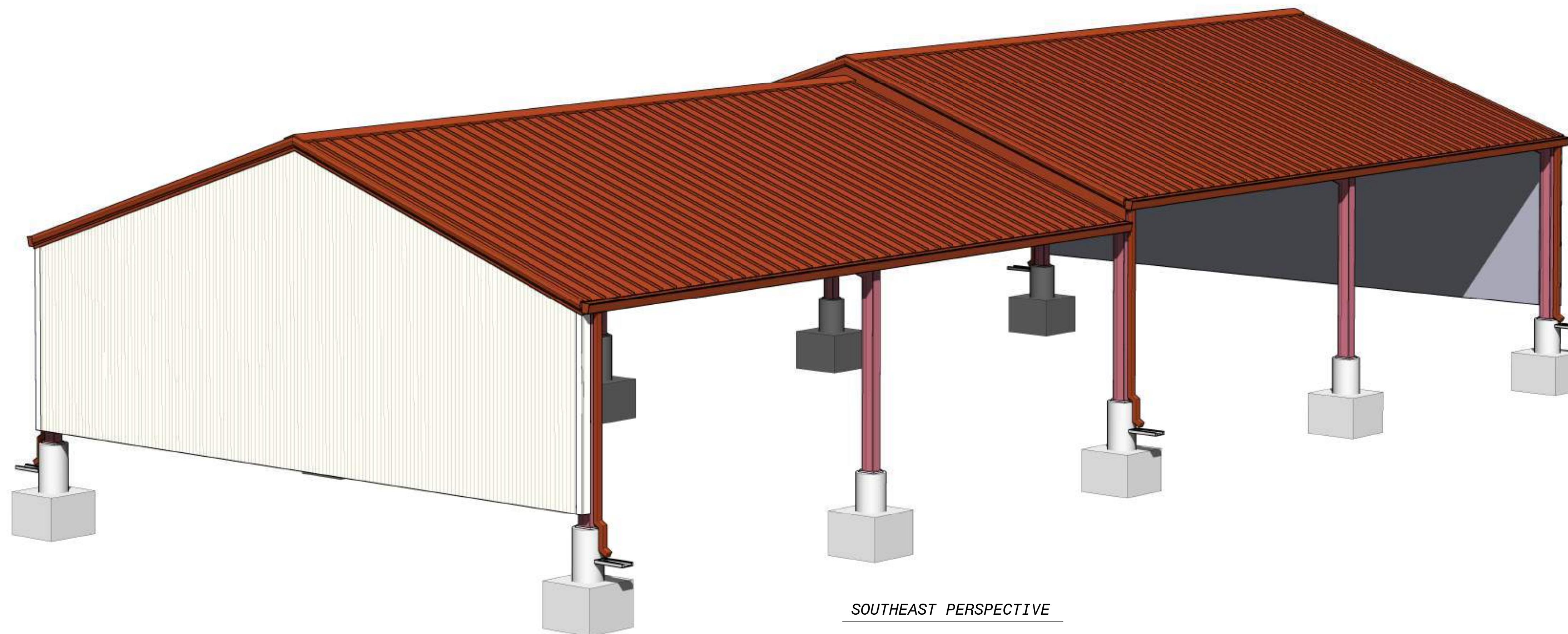
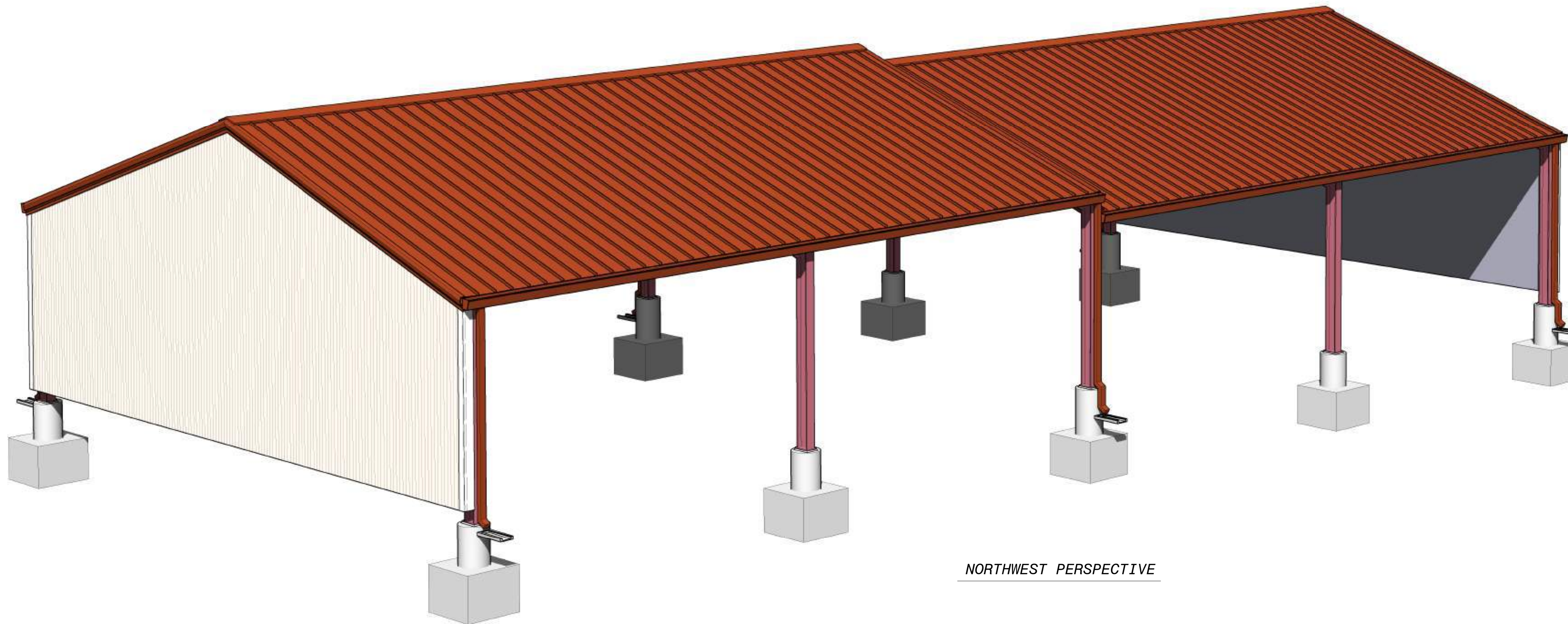
CITY OF MORRO BAY
MORRO BAY WATER
RECLAMATION FACILITY (WRF)
WRF PARKING CANOPY
ARCHITECTURAL
ELEVATIONS

DESIGNED: BDF
DETAILED: ANH
CHECKED: -
APPROVED: BDF
DATE: 5/19/2020



PROJECT NO.
400530
14-A-201
SHEET
241 OF 412



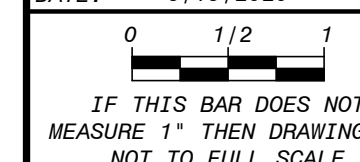


FRASER
SEIPLE
ARCHITECTS

JOINT VENTURE

**CITY OF MORRO BAY
FILANC BLACK & VEATCH DB PROPOSAL
MORRO BAY WRF
WATER AND COLLECTION VEHICLES EQUIPMENT
STORAGE
ARCHITECTURAL**

DESIGNED: BDF
DETAILED: ANH
CHECKED: -
APPROVED: BDF
DATE: 5/19/2020

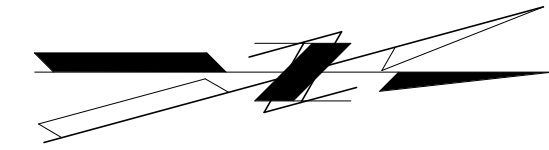
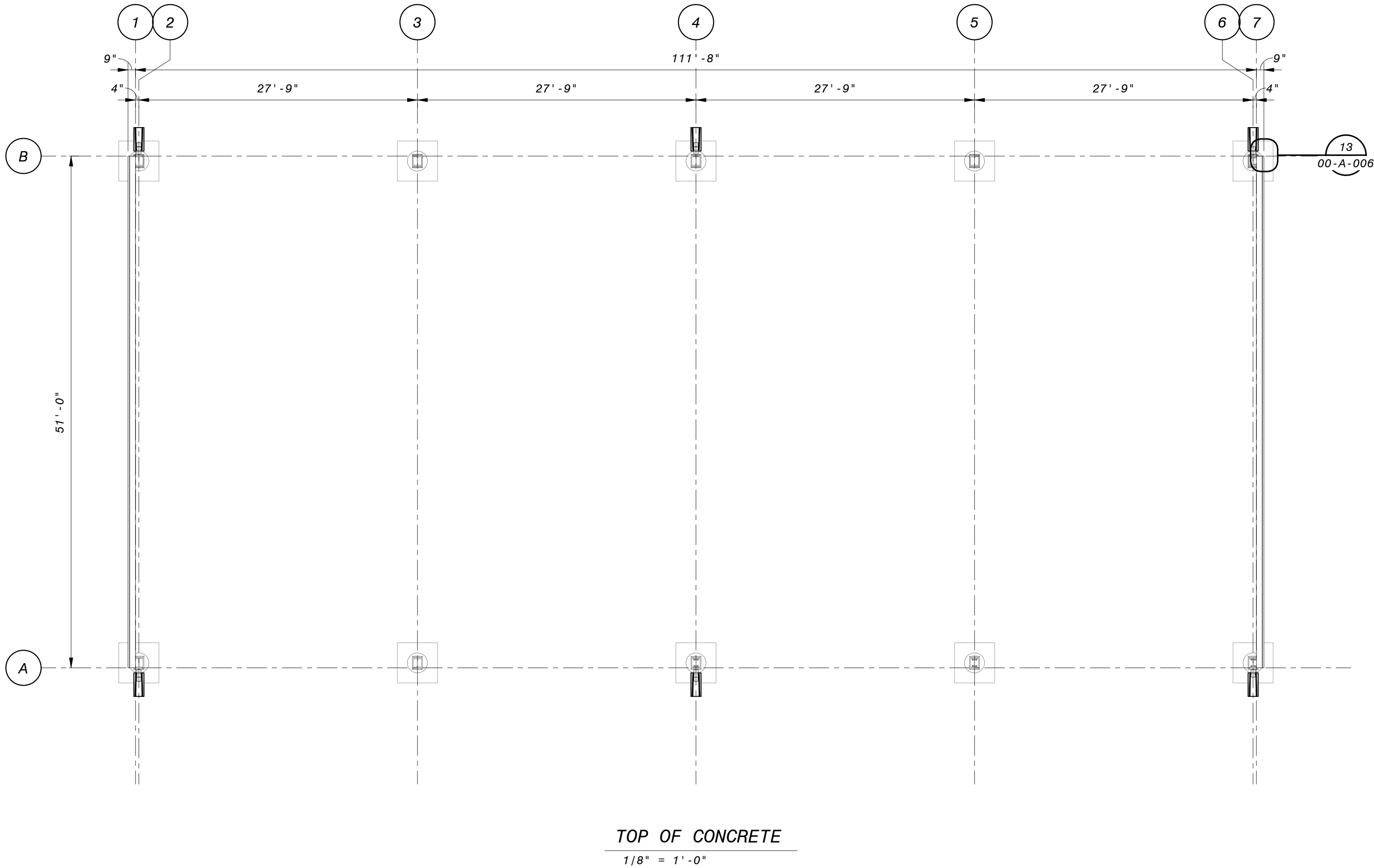


PROJECT NO.
400530

15-A-00
SHEET
242 OF 412

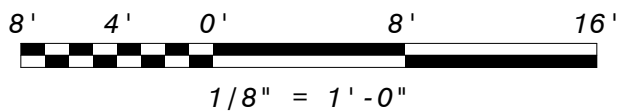
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D400530



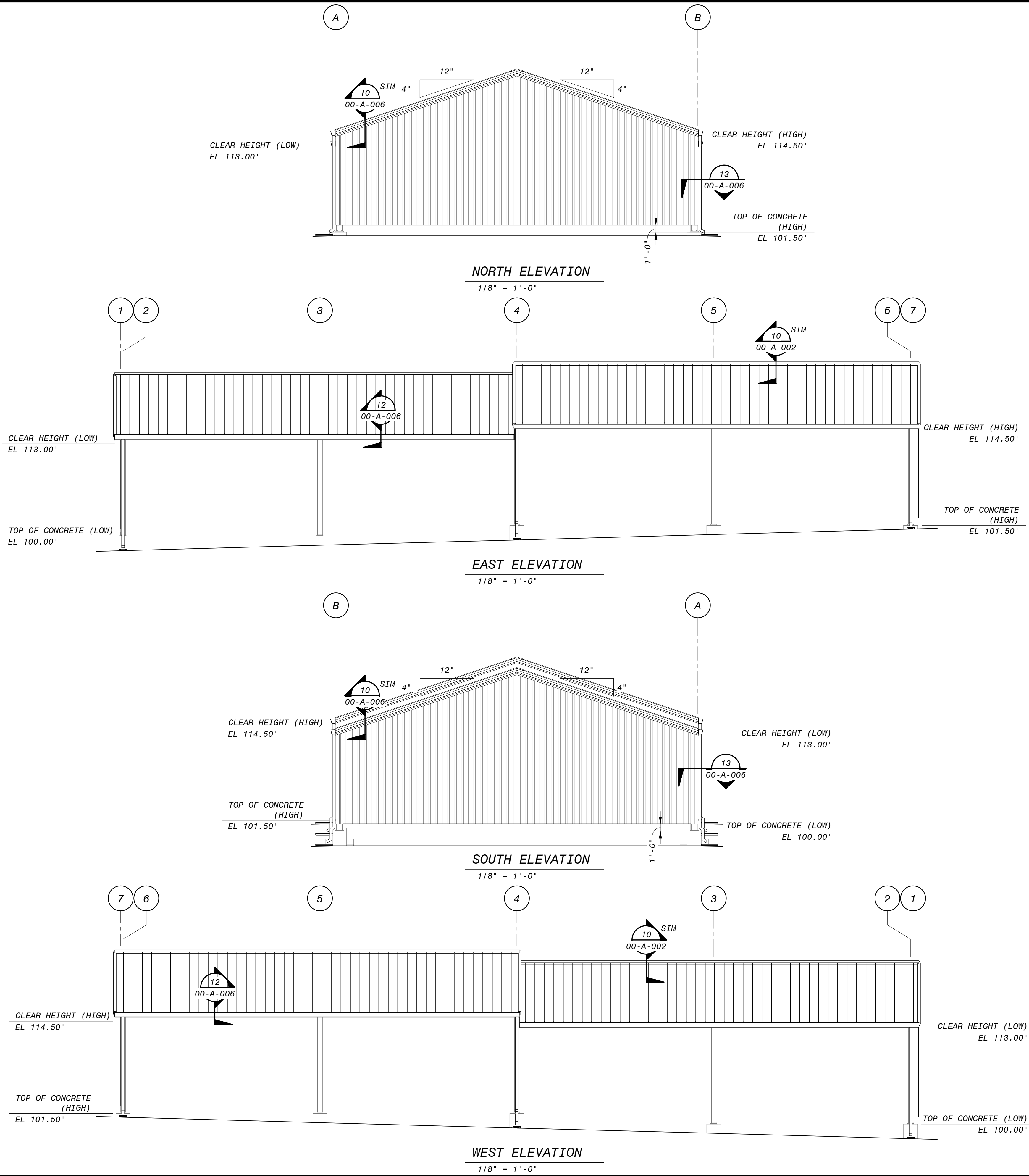
GENERAL SHEET NOTES

SHEET KEYNOTES



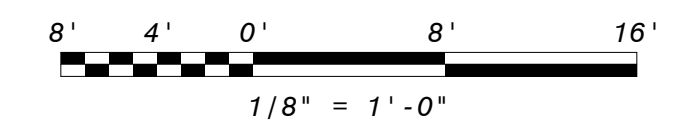
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FRASER SEIPLE ARCHITECTS JOINT VENTURE		FILANC BLACK & VEATCH		LICENSED ARCHITECT BRUCE DOUGLAS FRASER C-9787 STATE OF CALIFORNIA		ISSUED FOR CONSTRUCTION REVISED AND RECORD OF USE DATE NO. BY	
5/19/2020		0		EVB BDF EVB		0	
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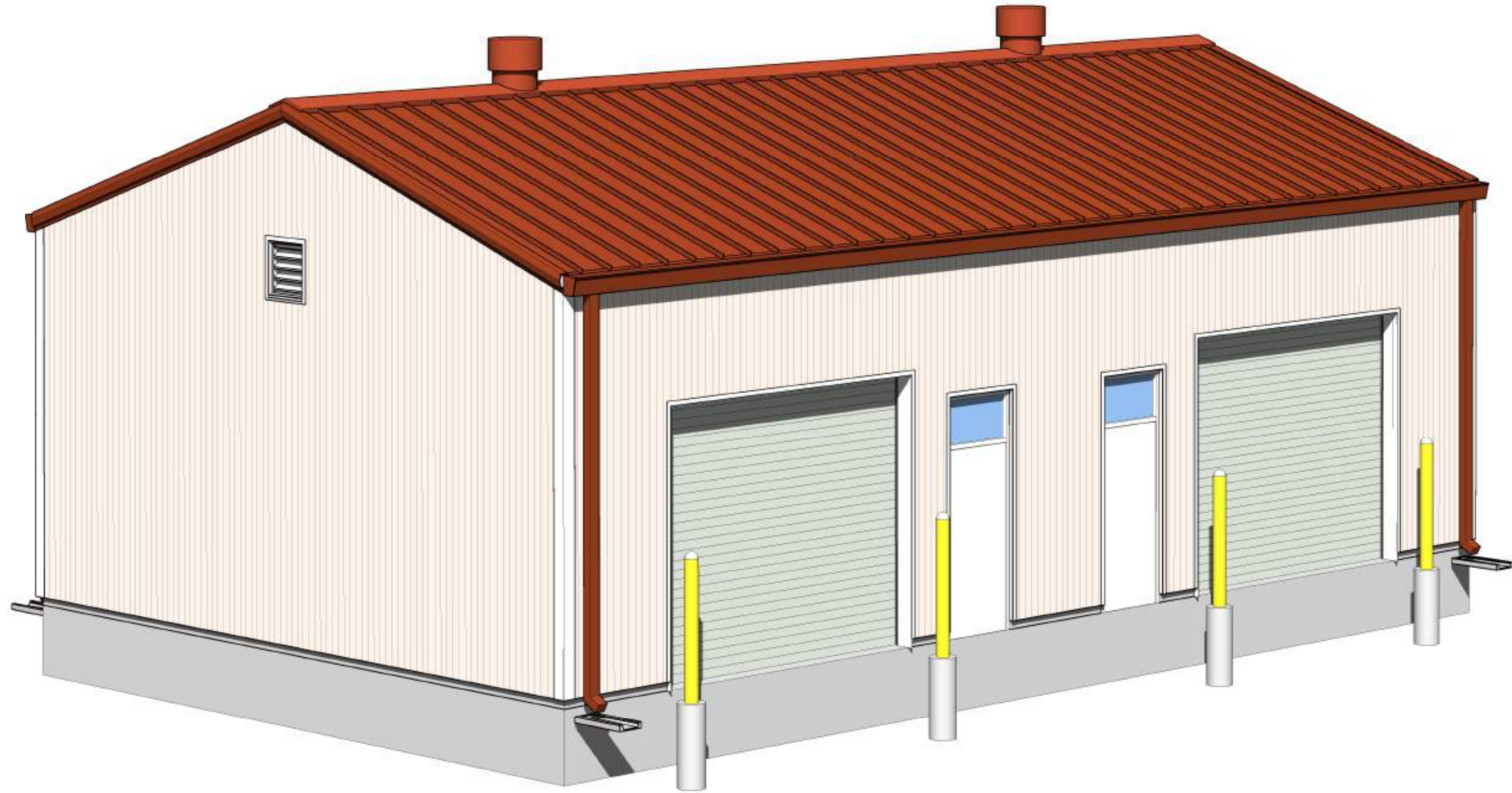


GENERAL SHEET NOTES

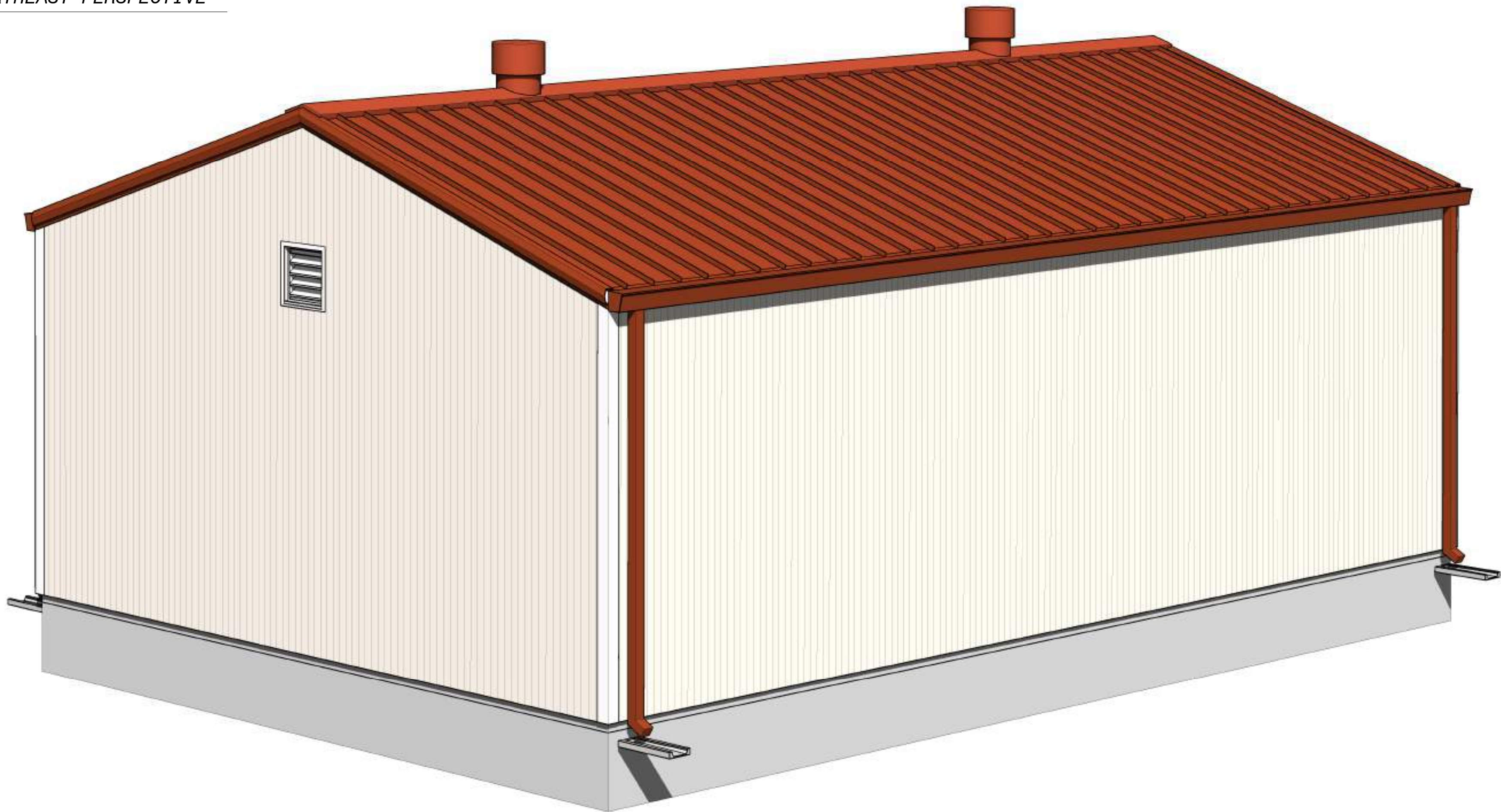
SHEET KEYNOTES



0		1/2	1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE			
PROJECT NO. 400530		SHEET 244 OF 412	
15-A-201			
CITY OF MORRO BAY FILANC BLACK & VEATCH DB PROPOSAL MORRO BAY WRF WATER AND COLLECTION VEHICLES EQUIPMENT STORAGE ARCHITECTURAL ELEVATIONS			
DESIGNED: BDF DETAILED: ANH CHECKED: - APPROVED: BDF DATE: 5/19/2020			
LISCENSED ARCHITECT BRUCE DOUGLAS FRANK C-9787 STATE OF CALIFORNIA			
FRASER SEIPLE ARCHITECTS		JOINT VENTURE	
BLACK & VEATCH		FILANC	
ISSUED FOR CONSTRUCTION REVISTIONS AND RECORD OF USE			
NO. BY DATE			



NORTHEAST PERSPECTIVE



SOUTHWEST PERSPECTIVE

04/05/20
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NO.	BY	DATE	REVISIONS AND RECORD OF USE
0	BDF	5/19/2020	ISSUED FOR CONSTRUCTION



FRASER
SEIPLE
ARCHITECTS

JOINT VENTURE

FILANC®
BLACK & VEATCH

CITY OF MORRO BAY
MORRO BAY WATER
RECLAMATION FACILITY (WRF)
WATER AND COLLECTION SUPPLIES STORAGE SHED
ARCHITECTURAL
PERSPECTIVES

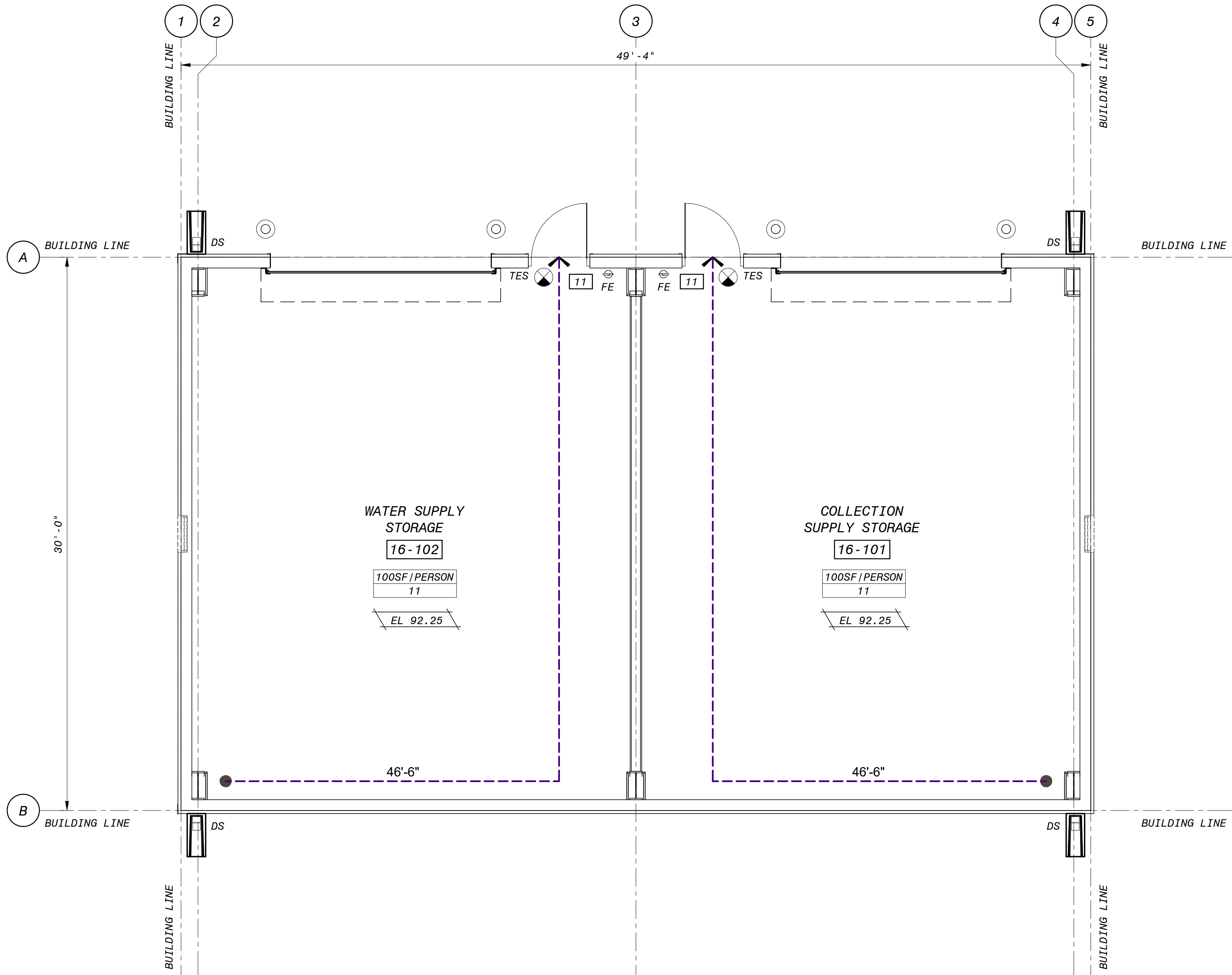
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DATE: 5/19/2020

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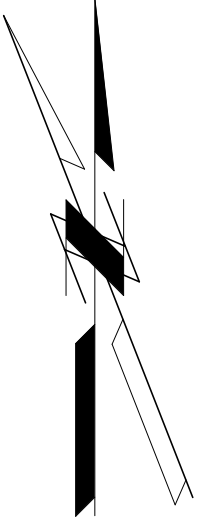
PROJECT NO.
400530

16-A-001
SHEET
245 OF 412

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 0400530



LIFE SAFETY PLAN
 1/4" = 1'-0"



GENERAL SHEET NOTES

- BUILDING CONSTRUCTION TYPE IS II-B OCCUPANCY IS F-2 (LOW HAZARD FACTORY INDUSTRIAL)
- WALLS CEILINGS AND ROOFS NOT OTHERWISE IDENTIFIED ARE NOT FIRE RATED

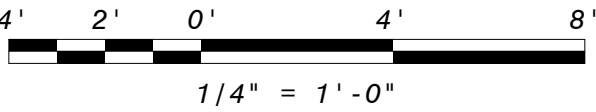
SHEET KEYNOTES

LIFE SAFETY LEGEND

- FIRE EXTINGUISHER (FE)
- PATH OF EGRESS TRAVEL
- OCCUPANTS PER SF
OCCUPANT LOAD
- CUMULATIVE OCCUPANT
LOAD AT EXIT
- EXIT SYMBOL
- TACTILE EXIT SIGN
- ACTIVE LEAF
- DOWNSPOUT

BUILDING CODE ANALYSIS

WATER AND COLLECTION SUPPLIES STORAGE	
APPLICABLE BUILDING CODES: 2016 CALIFORNIA BUILDING STANDARDS CODE	
OCCUPANCY	F-2
ACTUAL FLOOR AREA	1,510 SF TOTAL
ACTUAL HEIGHT	1 STORY (20.25 FT)
TYPE OF CONSTRUCTION	TYPE II-B
ALLOWABLE HEIGHT	2 STORIES (55 FT)
ALLOWABLE AREA	92,000 SF
DESIGN OCCUPANT LOAD	22 PERSONS
ADA ACCESSIBILITY	YES
OCCUPANCY SEPARATION	NOT REQUIRED
FIRE SPRINKLERS	NOT REQUIRED



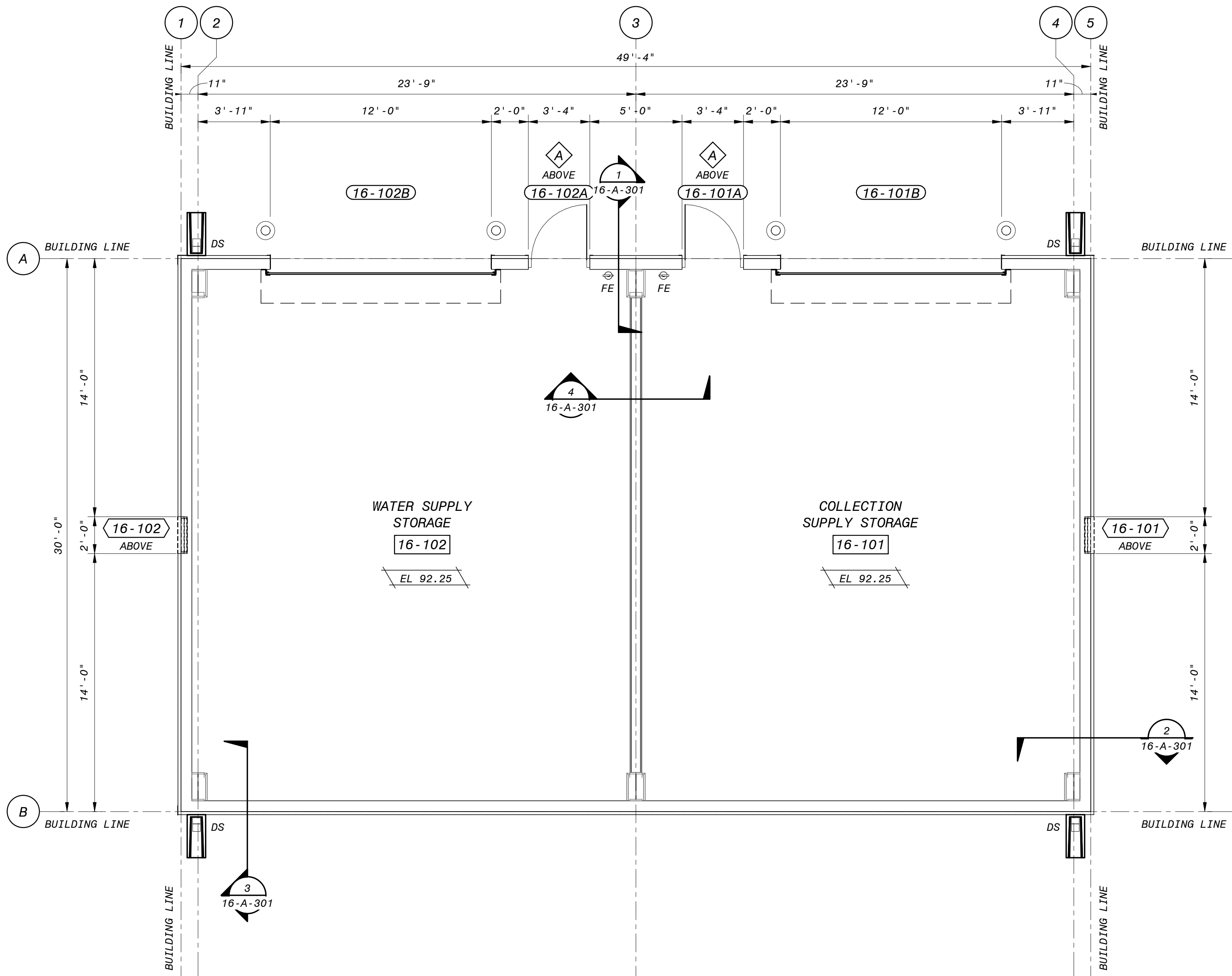
NO.	BY	DATE	REVISIONS AND RECORD OF USE	ISSUED FOR CONSTRUCTION	0	BDF	BDF	EVB	CHK	APP

CITY OF MORRO BAY
 MORRO BAY WATER
 RECLAMATION FACILITY (WRF)
 WATER AND COLLECTION SUPPLIES STORAGE SHED
 ARCHITECTURAL
 LIFE SAFETY PLAN

DESIGNED: BDF
 DETAILED: ANH
 CHECKED: -
 APPROVED: BDF
 DATE: 5/19/2020

PROJECT NO.
 400530

16-A-101
 SHEET
 246 OF 412



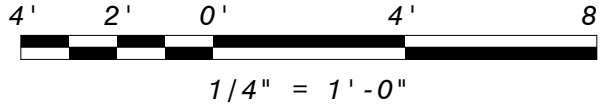
OPERATING FLOOR PLAN
 1/4" = 1'-0"

GENERAL SHEET NOTES

SHEET KEYNOTES

LEGEND

- (X) ACCESSORY ITEM
 101A DOOR
 H1 ACCESS HATCH
 00 LABORATORY CABINET
 101A LOUVER
 A WALL or WALL PANEL TYPE
 W WINDOW
 WS WINDOW SYSTEM or FRAME TYPE
 ROOM NAME
 101 ROOM NAME & NUMBER

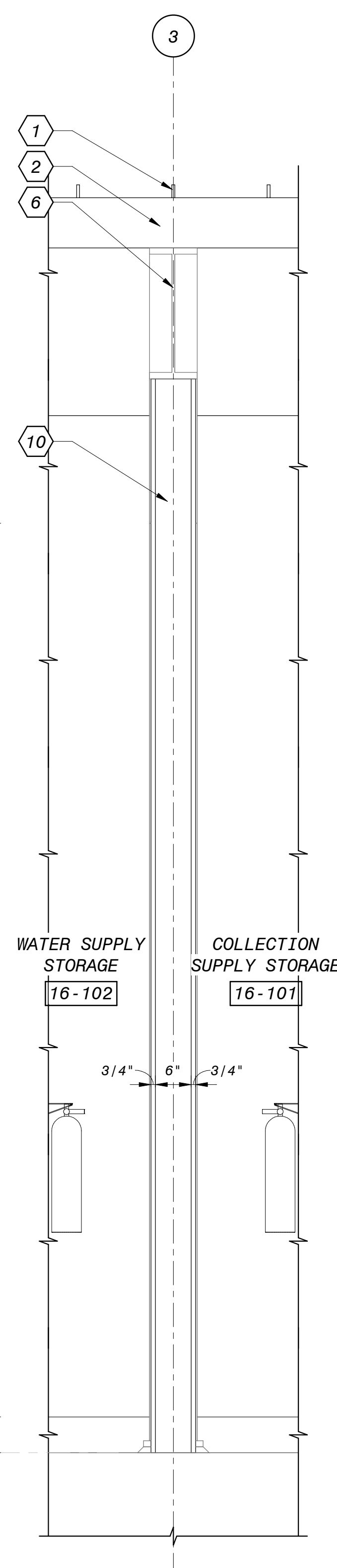
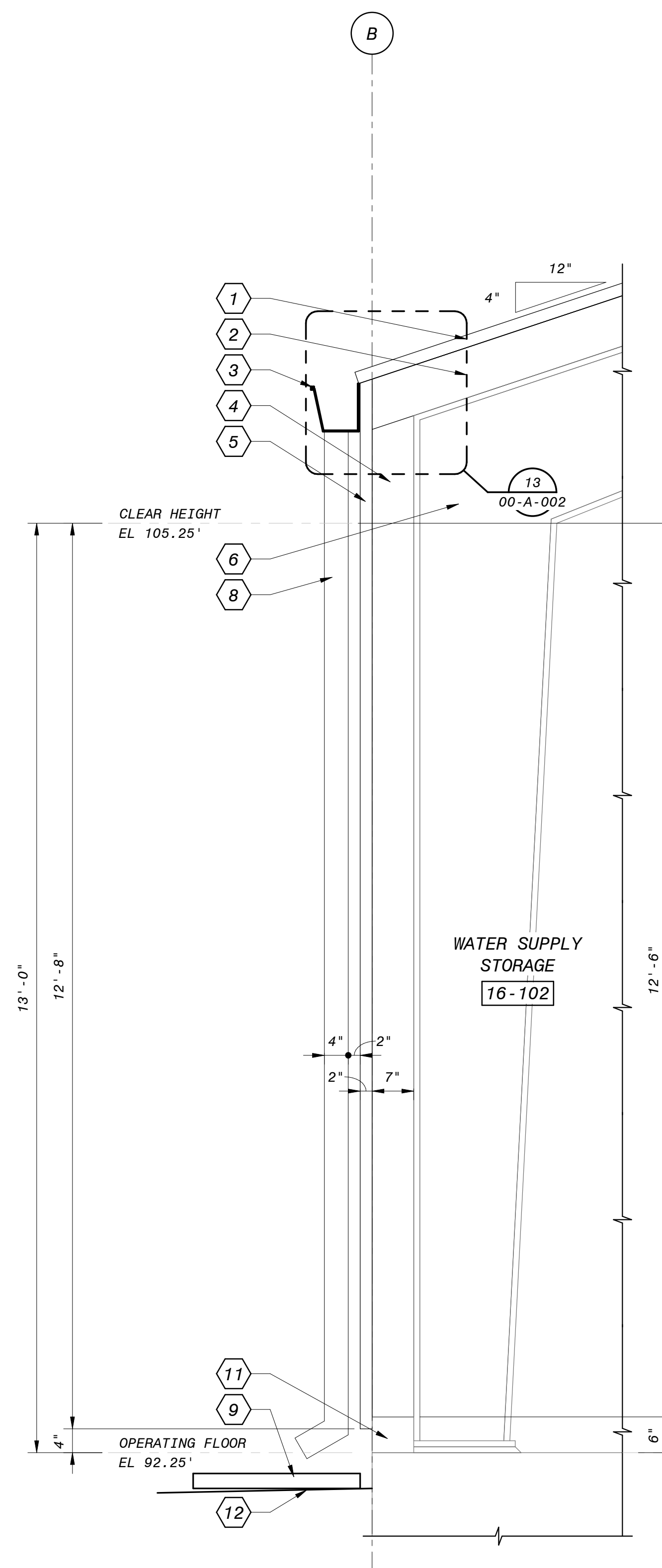
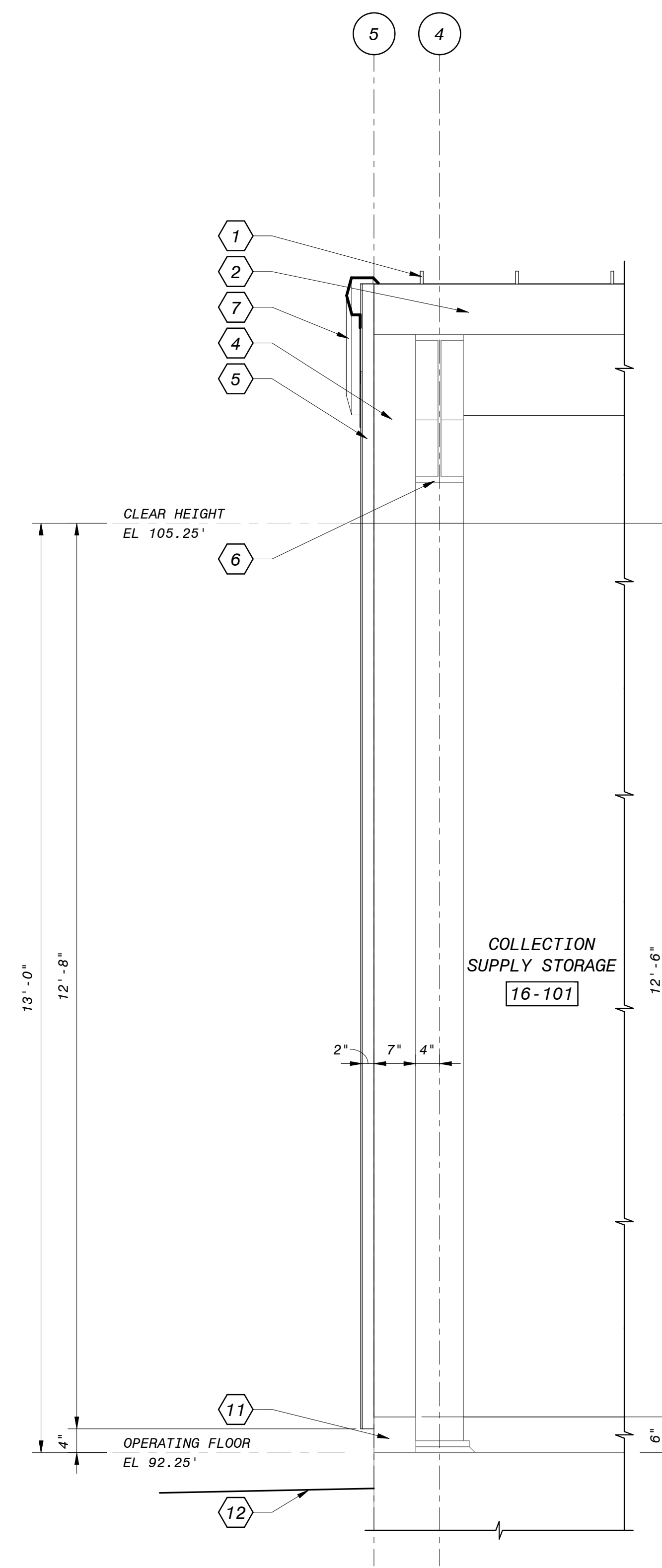
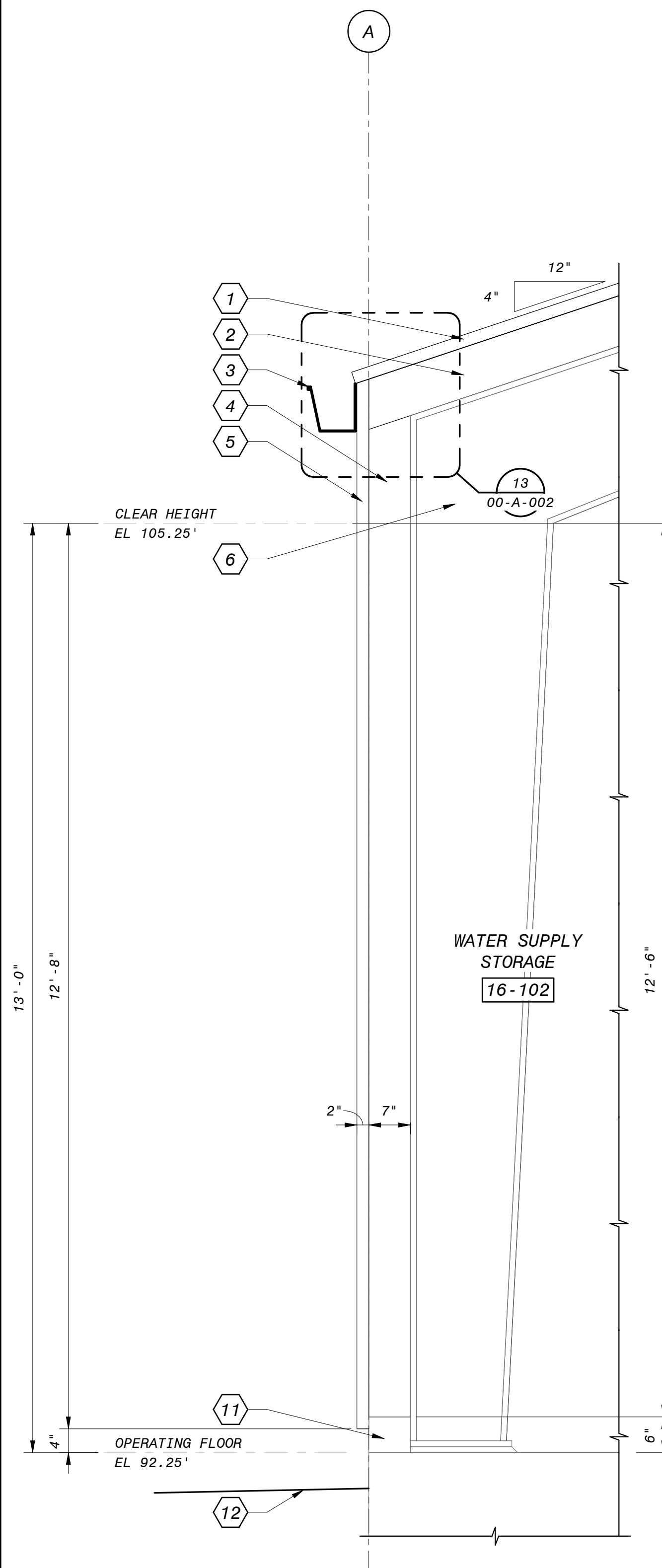


CITY OF MORRO BAY
 MORRO BAY WATER
 RECLAMATION FACILITY (WRF)
 WATER AND COLLECTION SUPPLIES STORAGE SHED
 ARCHITECTURAL
 OPERATING FLOOR PLAN

DESIGNED: BDF
 DETAILED: ANH
 CHECKED: -
 APPROVED: BDF
 DATE: 5/19/2020
 PROJECT NO.
 400530
 16-A-102
 SHEET
 247 OF 412



NO.	BY	CHK APP	DATE	ISSUED FOR CONSTRUCTION	REVISIONS AND RECORD OF USE
0	BDF	BDF	5/19/2020	ISSUED FOR CONSTRUCTION	REVISIONS AND RECORD OF USE



GENERAL SHEET NOTES

 SHEET KEYNOTES

1. METAL ROOFING PANELS
2. PURLIN FRAMING SPACE
3. PRE-FINISHED METAL FASCIA GUTTER
4. WALL GIRT FRAMING SPACE
5. PRE-FINISHED RIBBED METAL SIDING
6. PRE-ENGINEERED FRAME PER METAL BUILDING MANUFACTURER
7. PRE-FINISHED METAL RAKE TRIM
8. PRE-FINISHED METAL DOWNSPOUT
9. PRECAST CONCRETE SPLASH BLOCK
10. 6" METAL STUD WALL W/ 5/8" GYPSUM BOARD ON BOTH SIDES
11. CONCRETE PERIMETER CURB - SEE STRUCTURAL DRAWINGS
12. FINISHED GRADE



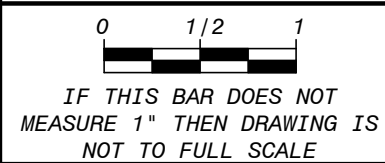
JOINT VENTURE

FILANC®

CITY OF MORRO BAY
MORRO BAY WATER
RECLAMATION FACILITY (WRF)

WATER AND COLLECTION SUPPLIES STORAGE SHED
ARCHITECTURAL
WALL SECTIONS

DESIGNED: BDF
DETAILED: ANH
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DATE: 5/19/2020



PROJECT NO.
400530

16-A-301
SHEET
249 OF 412

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ROOM FINISH SCHEDULE																			
ROOM No.	ROOM NAME	FLOOR		WALLS												CEILING			REMARKS
		MATERIAL	FINISH	NORTH			EAST			SOUTH			WEST			MATERIAL	FINISH	HEIGHT	
				MATERIAL	FINISH	BASE	MATERIAL	FINISH	BASE	MATERIAL	FINISH	BASE	MATERIAL	FINISH	BASE				
SUPPLY STORAGE																			
16-101	COLLECTION SUPPLY STORAGE	CO	FS	EXP	FF	NO	EXP	FF	NO	EXP	FF	NO	GWB	PT	NO	EXP	FF	13' - 0"	
16-102	WATER SUPPLY STORAGE	CO	FS	EXP	FF	NO	GWB	PT	NO	EXP	FF	NO	EXP	FF	NO	EXP	FF	13' - 0"	

DOOR SCHEDULE														
DOOR ID	DOOR SIZE		DOOR							FRAME				REMARKS
No. (D)	WIDTH	HEIGHT	MATERIAL	HEAD	JAMB	SILL	TYPE (D)	HARDWARE	RATING	MATERIAL	HEAD	JAMB	DEPTH	
SUPPLY STORAGE														
16-101A	3'-0"	7'-0"	FRP	30 SIM/00-A-001	33/00-A-001	40/00-A-001	A	13	-	FRP	2"	2"		SEE FRAME SYSTEM A
16-101B	12'-0"	10'-0"	RS	41 SIM/00-A-001	41 AND 42/00-A-001	-	B	-	-	RS			0"	
16-102A	3'-0"	7'-0"	FRP	30 SIM/00-A-001	33/00-A-001	40/00-A-001	A	13	-	FRP	2"	2"		SEE FRAME SYSTEM A
16-102B	12'-0"	10'-0"	RS	41 SIM/00-A-001	41 AND 42/00-A-001	-	B	-	-	RS			0"	

WINDOW SYSTEM AND FRAME TYPE SCHEDULE												
QTY	TYPE (WS)	OPENING		WINDOW							COMMENTS	
		WIDTH	HEIGHT	MATERIAL	HEAD	JAMB	MULLION	SILL	GLASS	TOP ELEV		
SUPPLY STORAGE												
2	A	3'-4"	9'-0"	FRP	30 SIM/00-A-001	33 SIM/00-A-001	-	-	SINGLE PANE - CLEAR	102.00'	SEE DOOR SCHEDULE	

LOUVER SCHEDULE								
LOUVER ID	OPENING		LOUVER					REMARKS
No. (L)	WIDTH	HEIGHT	TYPE	HEAD	JAMB	SILL	TOP ELEV	
SUPPLY STORAGE								
16-101	2' - 0"	2' - 0"	ALUM	-	-	-	107.25	
16-102	2' - 0"	2' - 0"	ALUM	-	-	-	107.25	

GENERAL SHEET NOTES

CO - CONCRETE

EXP - EXPOSED CONSTRUCTION

FF - FACTORY FINISH

FRP - FIBER REINFORCED PLASTIC

FS - FLOOR SEALER

GWB - GYPSUM WALLBOARD

NO - NONE

PT - PAINTED

RS - ROLLING STEEL

DOOR TYPES

AS SCHEDULED

AS SCHEDULED

AS SCHEDULED

A

WINDOW TYPES

0

BDF

BDE

LEV

NO.

BY

CHK

APP

3/19/2020

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DATE

LICENSED ARCHITECT

BRUCE DOUGLAS FRASER

C-9787

STATE OF CALIFORNIA

FRASER SEIPLE

1024010000

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CITY OF MORRO BAY

MORRO BAY WATER

RECLAMATION FACILITY (WRF)

WATER AND COLLECTION SUPPLIES STORAGE SHED

ARCHITECTURAL

SCHEDULES

DESIGNED: BDF

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APPROVED: BDF

DATE: 5/19/2020

0

1/2

1

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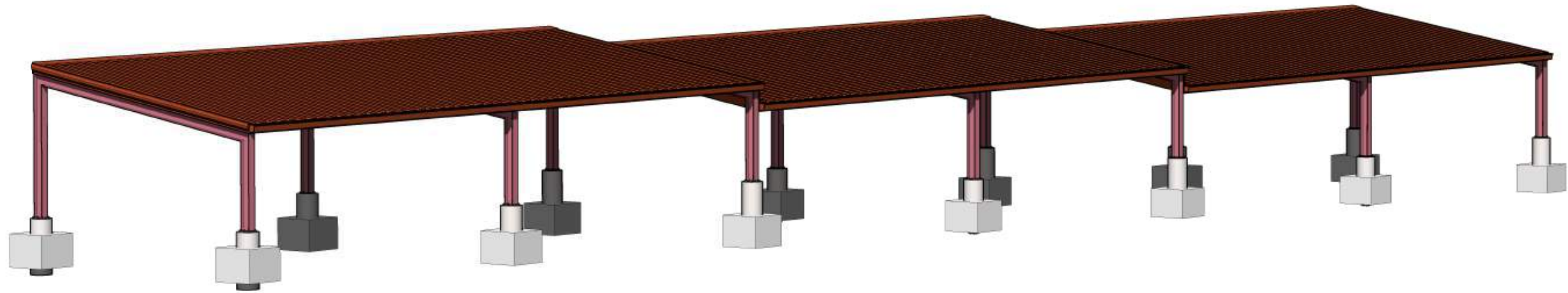
PROJECT NO.

400530

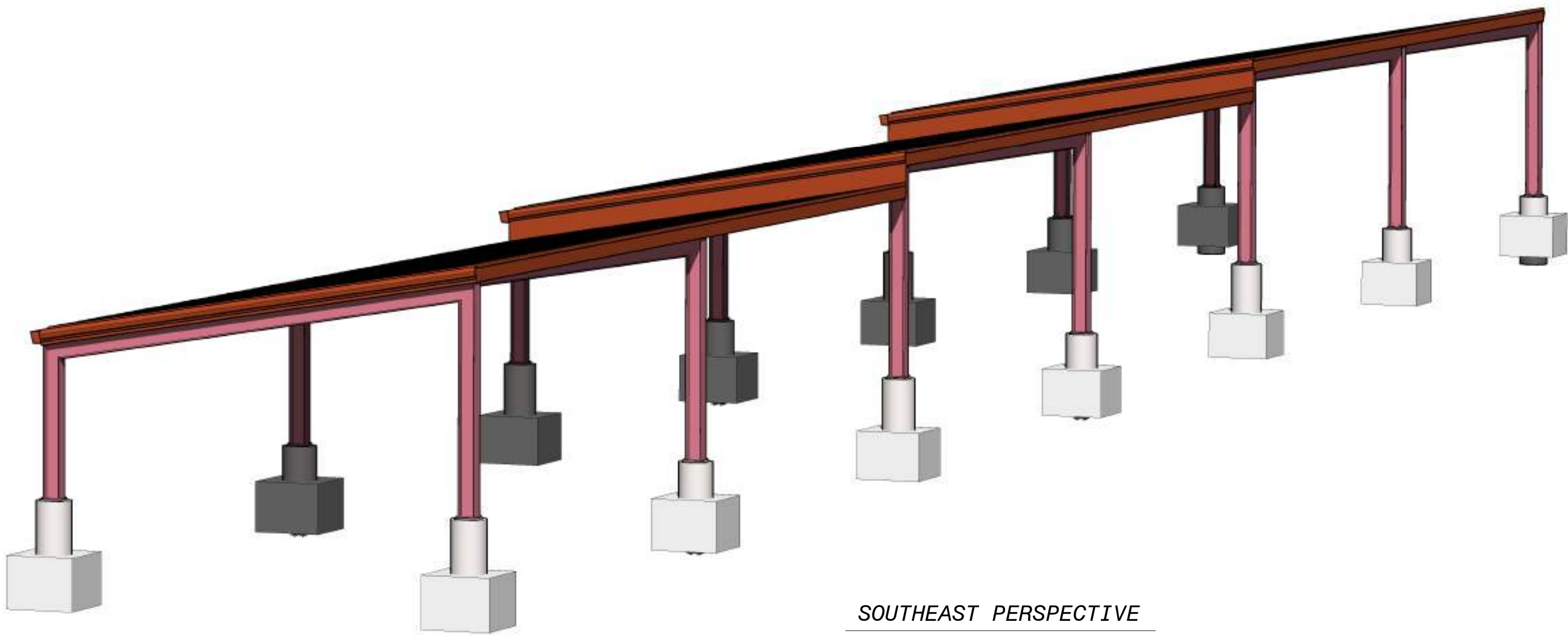
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SHEET

250 OF 412



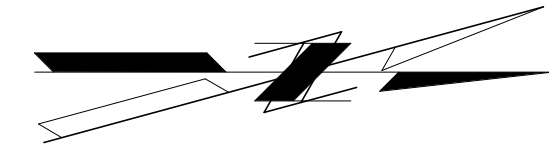
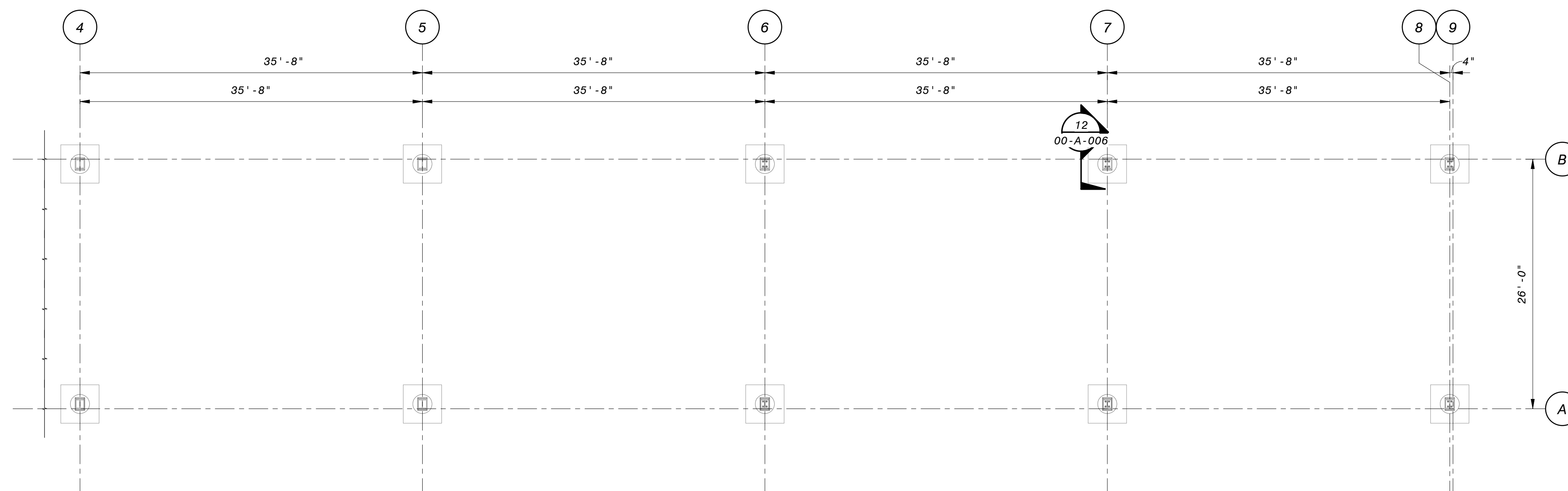
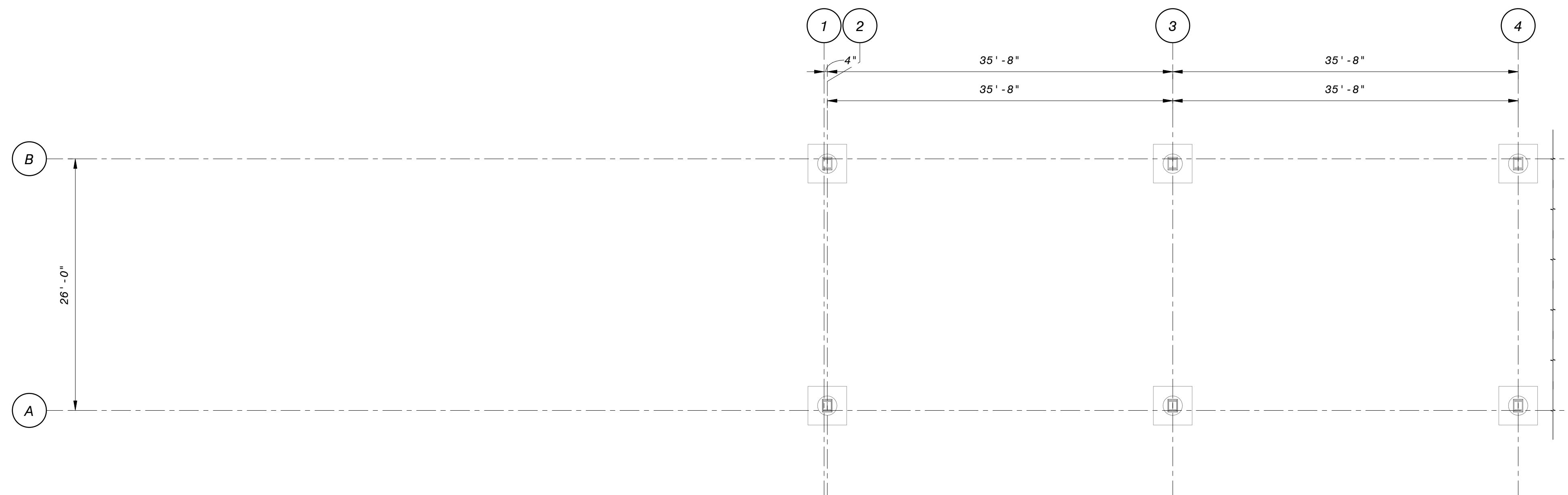
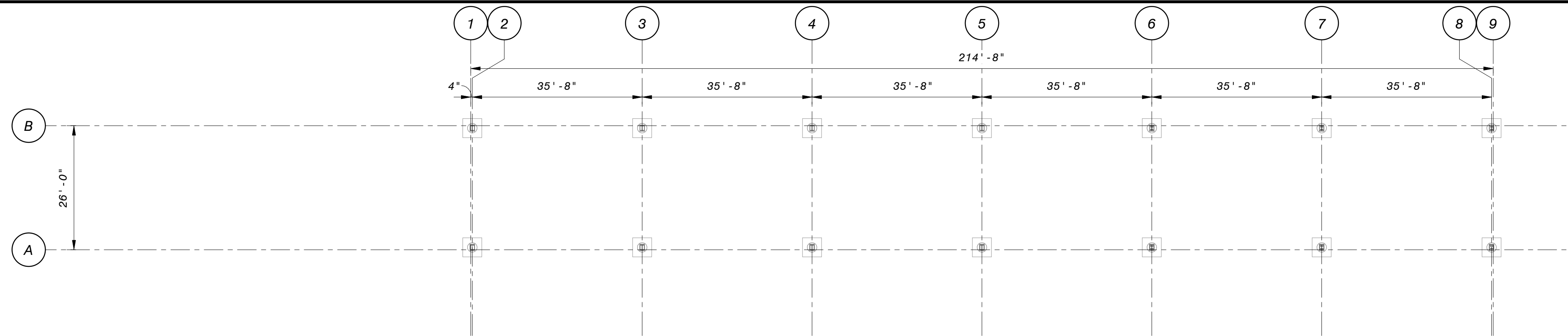
NORHTWEST PERSPECTIVE



SOUTHEAST PERSPECTIVE

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CITY OF MORRO BAY MORRO BAY WATER RECLAMATION FACILITY (WRF)		PERMANENT OPEN STORAGE ARCHITECTURAL PERSPECTIVES	
DESIGNED: BDF		DATE: 5/19/2020	
DETAILED: ANH		PROJECT NO. 400530	
CHECKED: -		SHEET 251 OF 412	
APPROVED: BDF		17-A-001	
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE		0 1/2 1	
FRASER SEIPLE ARCHITECTS		JOINT VENTURE	
BLACK & VEATCH		FILANC	
LICENSED ARCHITECT BRUCE DOUGLAS FRASER C-9787 STATE OF CALIFORNIA		5/19/2020 ISSUED FOR CONSTRUCTION REVISED AND RECORD OF USE NO. BY ORK APP	



GENERAL SHEET NOTES

 SHEET KEYNOTES

FRASER
SEIPLE
ARCHITECTS

JOINT VENTURE

ELL ANCO®
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CITY OF MORRO BAY
MORRO BAY WATER
RECLAMATION FACILITY (WRF)

PERMANENT OPEN STORAGE
ARCHITECTURAL
OVERALL AND ENLARGED PLANS

DESIGNED: BDF
DETAILED: ANH
CHECKED: -
APPROVED: BDF
DATE: 5/19/2020

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IF THIS BAR DOES NOT
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NOT TO FULL SCALE

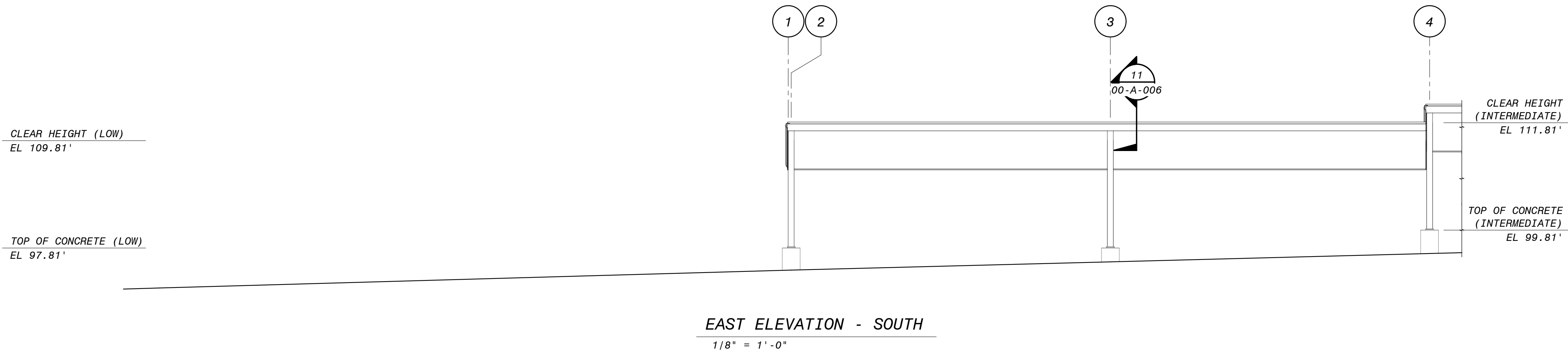
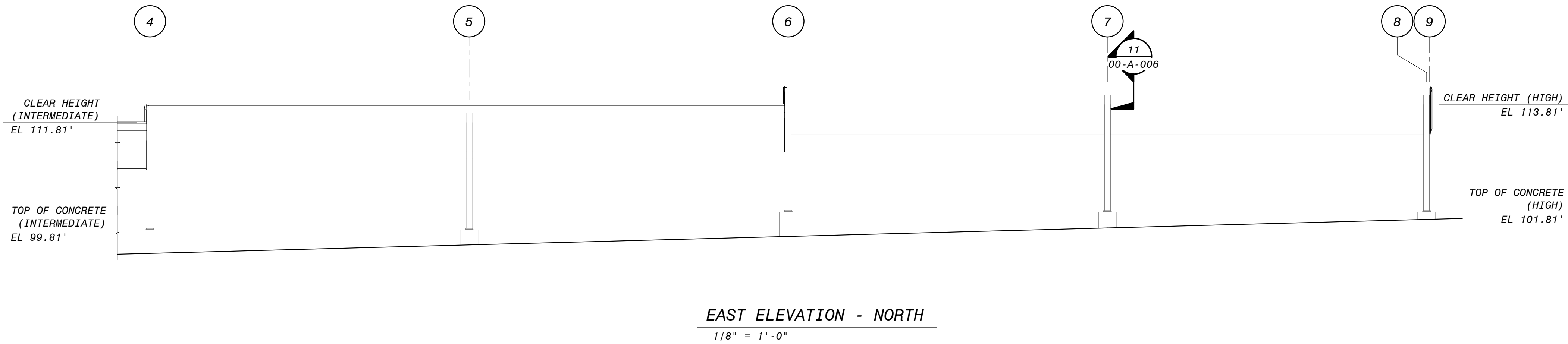
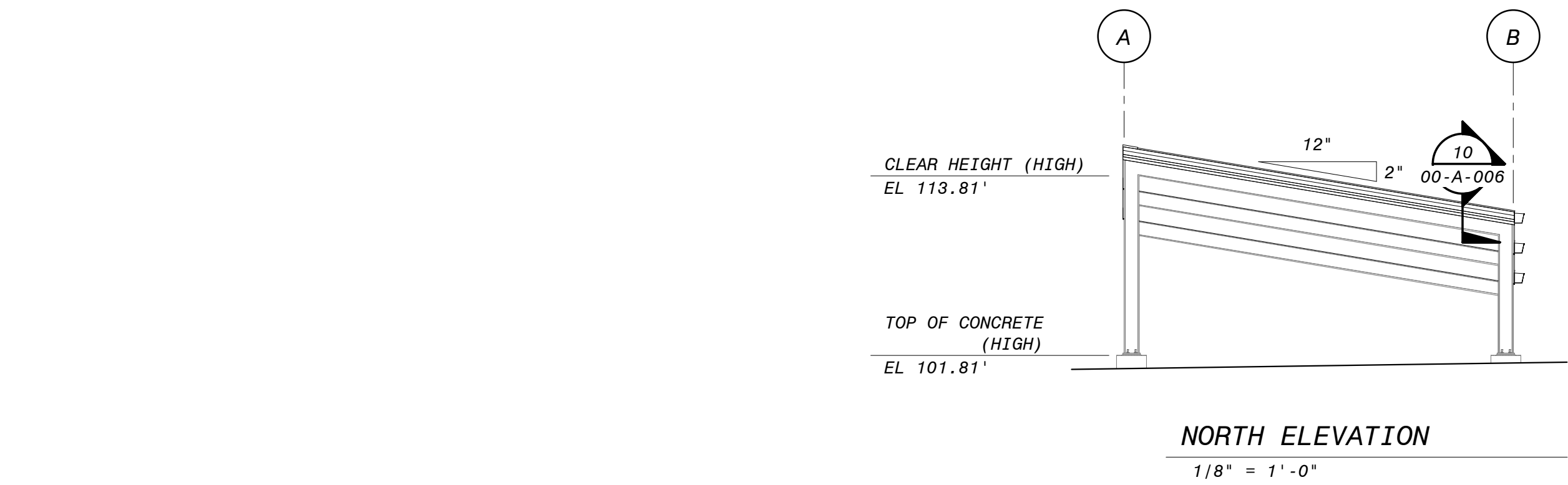
PROJECT NO.
400530

17-A-101
SHEET
252 OF 412

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GENERAL SHEET NOTES

SHEET KEYNOTES



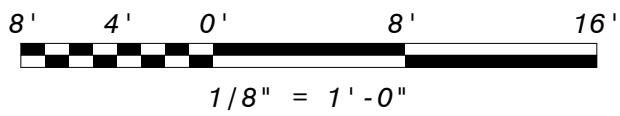
CITY OF MORRO BAY
MORRO BAY WATER
RECLAMATION FACILITY (WRF)
PERMANENT OPEN STORAGE
ARCHITECTURAL
ELEVATIONS

DESIGNED: BDF
DETAILED: ANH
CHECKED: -
APPROVED: BDF
DATE: 5/19/2020

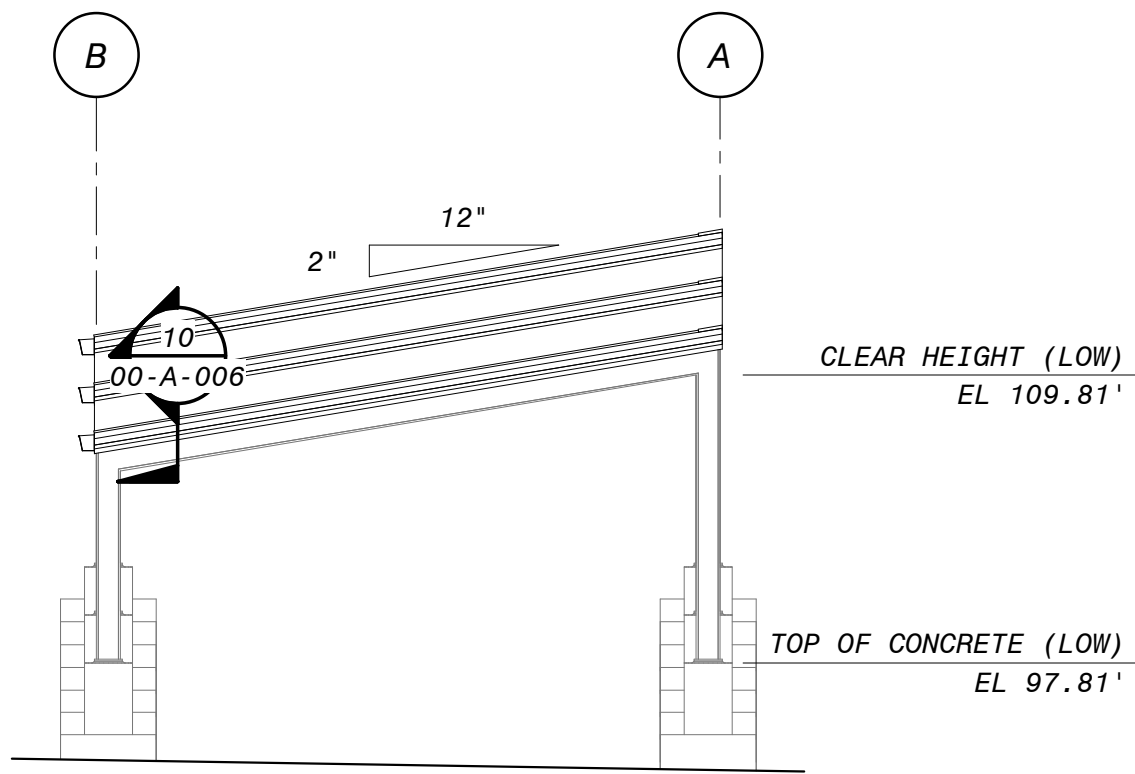
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NOT TO FULL SCALE

PROJECT NO.
400530

17-A-201
SHEET
253 OF 412

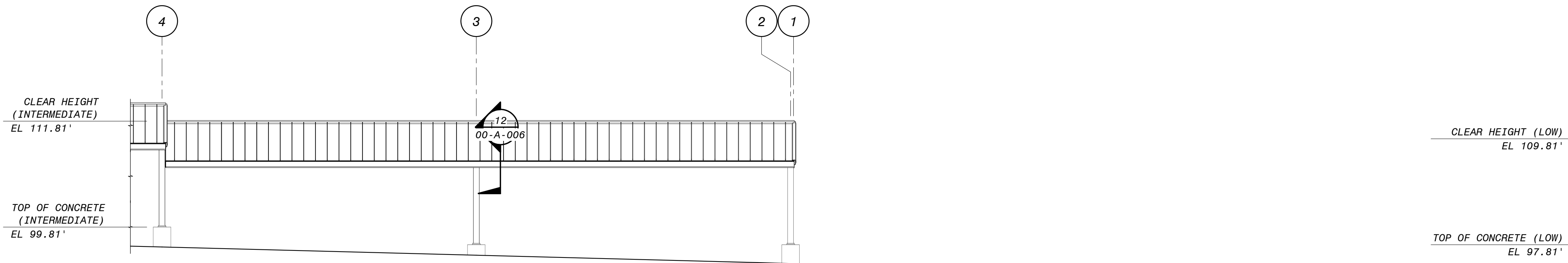


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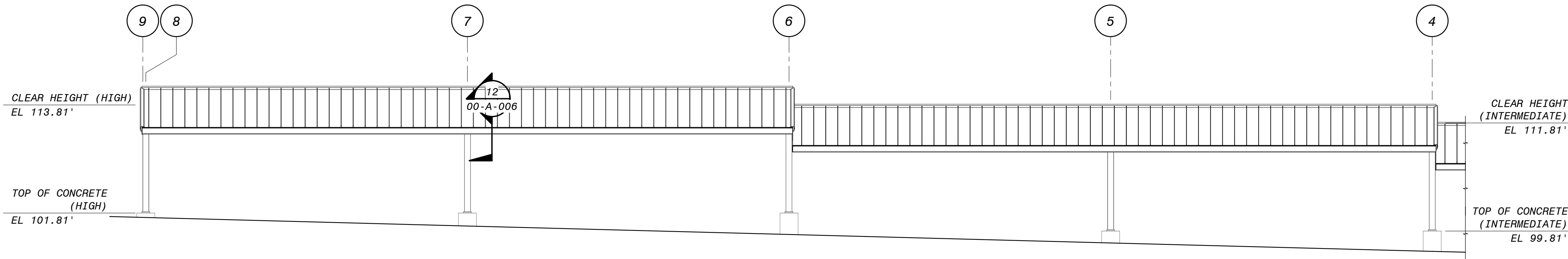
SOUTH ELEVATION

1/8" = 1'-0"



WEST ELEVATION - SOUTH

1/8" = 1'-0"



WEST ELEVATION - NORTH

1/8" = 1'-0"

GENERAL SHEET NOTES

SHEET KEYNOTES



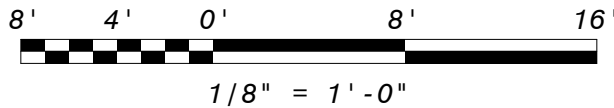
CITY OF MORRO BAY
MORRO BAY WATER
RECLAMATION FACILITY (WRF)
PERMANENT OPEN STORAGE
ARCHITECTURAL
ELEVATIONS

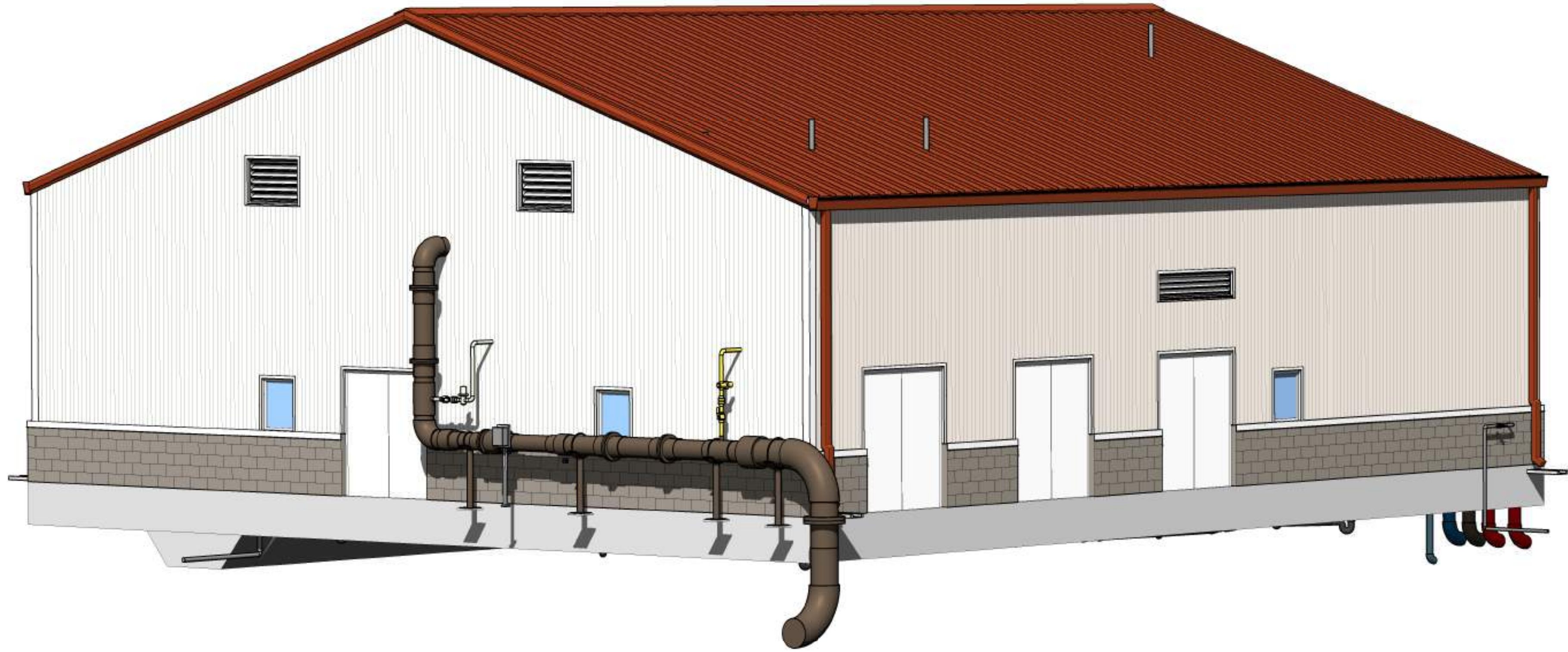
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DETAILED: ANH
CHECKED: -
APPROVED: BDF
DATE: 5/19/2020

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PROJECT NO.
400530

17-A-202
SHEET
254 OF 412





NORTHWEST PERSPECTIVE



SOUTHEAST PERSPECTIVE

04/05/20
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REVISITONS AND RECORD OF USE			
DATE			



FRASER
SEIPLE
ARCHITECTS

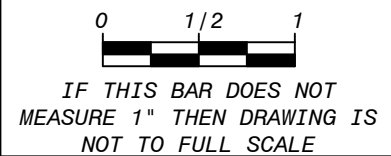
JOINT VENTURE

FILANC

BLACK & VEATCH

CITY OF MORRO BAY
MORRO BAY WATER
RECLAMATION FACILITY (WRF)
RO/UV BUILDING
ARCHITECTURAL
PERSPECTIVES

DESIGNED: BDF
DETAILED: ANH
CHECKED: -
APPROVED: BDF
DATE: 5/19/2020



PROJECT NO.
400530

50-A-001
SHEET
255 OF 412

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STATE OF CALIFORNIA
ENVELOPE COMPONENT APPROACH
DECLARATION BY ARCHITECT
CERTIFICATE OF COMPLIANCE
Envelope Component Approach
Project Name: Morro Bay Water Reclamation Facility RO/UV Building - Non-Conditioned Space
Date: March 24, 2020

CALIFORNIA ENERGY COMMISSION
NRC-ENV-01-F
Page 1 of 4

A. GENERAL INFORMATION	
01 Project Location:	555 South Bay Boulevard
02 CA City and Zip Code:	Morro Bay 93442
03 Climate Zone:	5
04 Total Conditioned Floor Area:	0 S.F.
05 Building Type:	<div><div><div><input type="checkbox"/> Schools (Public Schools)</div><div><input type="checkbox"/> K-12 Public School Building</div><div><input type="checkbox"/> Skilled Nursing Facility</div><div><input type="checkbox"/> Skilled Nursing Facility</div></div><div><div><input type="checkbox"/> Non-Conditioned Space</div><div><input type="checkbox"/> Non-Conditioned Space</div><div><input type="checkbox"/> Non-Conditioned Space</div><div><input type="checkbox"/> Non-Conditioned Space</div></div></div>
06 Compliance Method:	<div><div><input type="checkbox"/> Component</div><div><input type="checkbox"/> Unconditioned (Rite Aid)</div></div>
07 Building Front Orientation:	South
08 Phase of Construction:	<div><div><input type="checkbox"/> New Construction</div><div><input type="checkbox"/> Addition</div><div><input type="checkbox"/> Nonresidential</div><div><input type="checkbox"/> High Rise Residential</div></div>
09 Building Occupancy:	<div><div><input type="checkbox"/> Hotel/Motel Guest Room</div><div><input type="checkbox"/> Hotel/Motel Guest Room</div><div><input type="checkbox"/> Hotel/Motel Guest Room</div><div><input type="checkbox"/> Hotel/Motel Guest Room</div></div>

STATE OF CALIFORNIA
ENVELOPE COMPONENT APPROACH
DECLARATION BY ARCHITECT
CERTIFICATE OF COMPLIANCE
Envelope Component Approach
Project Name: Morro Bay Water Reclamation Facility RO/UV Building - Non-Conditioned Space
Date: March 24, 2020

CALIFORNIA ENERGY COMMISSION
NRC-ENV-01-F
Page 4 of 4

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Compliance documentation is accurate and complete.

2. I am a registered architect under the laws of the State of California.

3. I am a registered architect under the laws of the State of California.

4. I am a registered architect under the laws of the State of California.

5. I am a registered architect under the laws of the State of California.

6. I am a registered architect under the laws of the State of California.

7. I am a registered architect under the laws of the State of California.

8. I am a registered architect under the laws of the State of California.

9. I am a registered architect under the laws of the State of California.

10. I am a registered architect under the laws of the State of California.

RESPONSIBLE PERSON'S DECLARATION STATEMENT

1. I certify the following under penalty of perjury, under the laws of the State of California.

2. The information provided on this Certificate of Compliance is true and correct.

3. The building design features or system design features identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.

4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents.

5. I will ensure that a cumulative signed copy of this Certificate of Compliance shall be made available with the building permit application and for the building, and made available to the enforcement agency for all applicable code enforcement. I understand that a cumulative signed copy of this Certificate of Compliance is required to be included with the documentation for the building permit application.

6. I am a registered architect under the laws of the State of California.

7. I am a registered architect under the laws of the State of California.

8. I am a registered architect under the laws of the State of California.

9. I am a registered architect under the laws of the State of California.

10. I am a registered architect under the laws of the State of California.

CA Building Energy Efficiency Standards - 2016, Nonresidential Compliance

January 2016

COMPLIANCE COMMENTS, BUILDING 50 (RO/UV BUILDING)

Envelope components are not listed for Building 50 because it is classified as "Non-Conditioned Space." 3,393 square feet have no insulation or heating/cooling equipment. 623 square feet are insulated, thermostatically controlled, and heated/cooled only as required to keep electrical switchgear and related electrical equipment above 55 degrees F and below 90 degrees F to maintain equipment function critical to plant operations

DESIGNED: BDF

DETAILED: SS

CHECKED:

APPROVED:

DATE:

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PROJECT NO.

400530

50-A-002

SHEET

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CITY OF MORRO BAY

MORRO BAY WATER

WATER RECLAMATION FACILITY (WRF)

ARCHITECTURAL

RO/UV BUILDING

ENERGY CODE COMPLIANCE

FRASER SEIPLE ARCHITECTS

JOINT VENTURE

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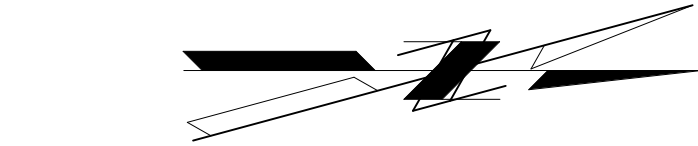
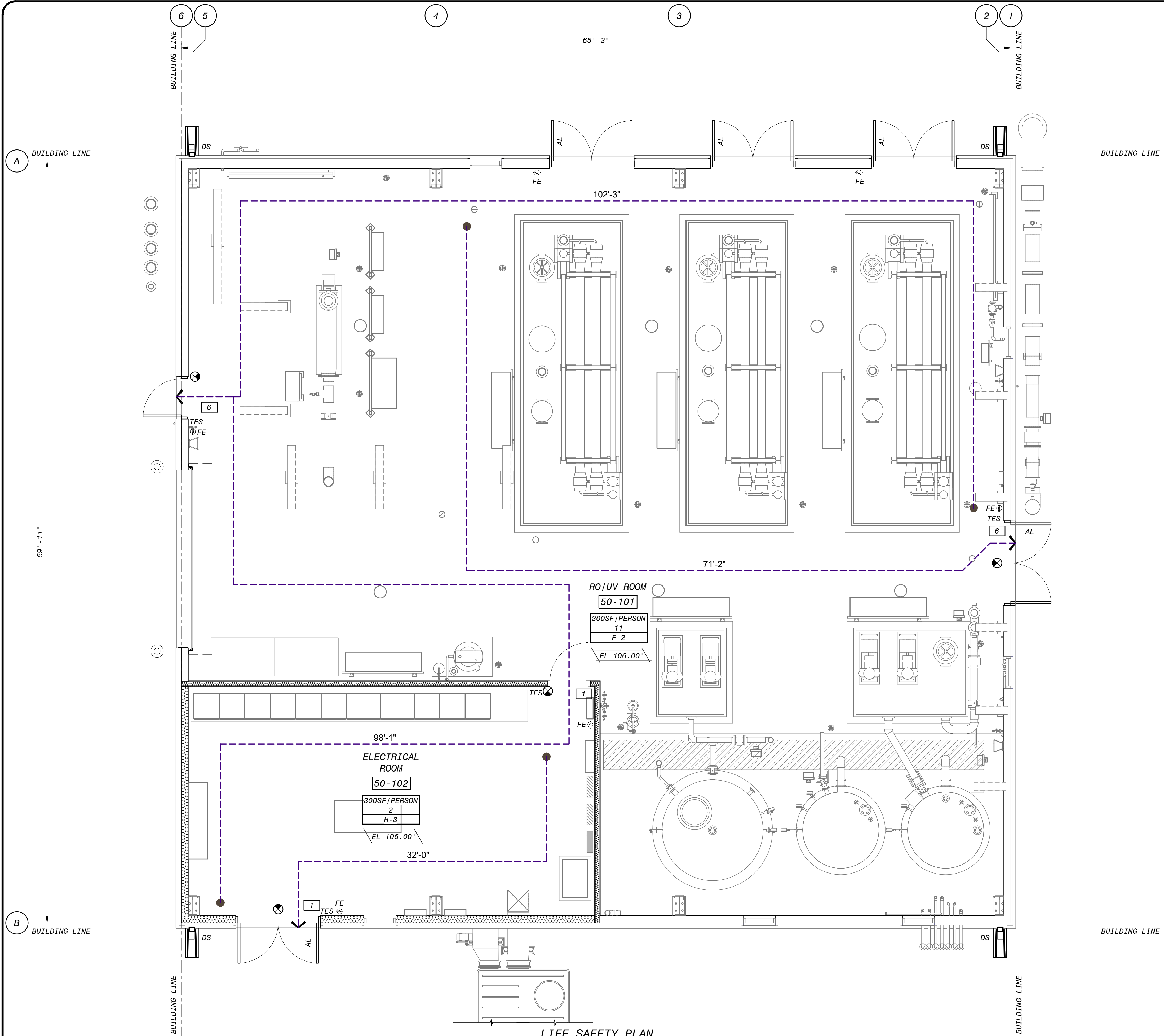
BLACK & VEATCH

LICENSED ARCHITECT

C9787

BRUCE FRASER

STATE OF CALIFORNIA



GENERAL SHEET NOTES

1. BUILDING CONSTRUCTION TYPE IS II-B OCCUPANCY IS F-2 (LOW HAZARD FACTORY INDUSTRIAL)
2. WALLS CEILINGS AND ROOFS NOT OTHERWISE IDENTIFIED ARE NOT FIRE RATED

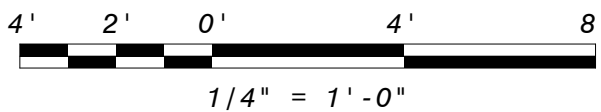
SHEET KEYNOTES

LIFE SAFETY LEGEND

- FIRE EXTINGUISHER (FE)
- PATH OF EGRESS TRAVEL
- OCCUPANTS PER SF
OCCUPANT LOAD
- CUMULATIVE OCCUPANT
LOAD AT EXIT
- EXIT SYMBOL
- TACTILE EXIT SIGN
- ACTIVE LEAF
- DOWNSPOUT

BUILDING CODE ANALYSIS

RO/UV BUILDING	
APPLICABLE BUILDING CODES: 2016 CALIFORNIA BUILDING STANDARDS CODE	
OCCUPANCY	F-2, H-3
ACTUAL FLOOR AREA	4,016 SF TOTAL
ACTUAL HEIGHT	1 STORY (27.67 FT)
TYPE OF CONSTRUCTION	TYPE II-B
ALLOWABLE HEIGHT	2 STORIES (55 FT)
ALLOWABLE AREA	92,000 SF
DESIGN OCCUPANT LOAD	13 PERSONS
ADA ACCESSIBILITY	YES
OCCUPANCY SEPARATION	NOT REQUIRED
FIRE SPRINKLERS	NOT REQUIRED



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CITY OF MORRO BAY
MORRO BAY WATER
RECLAMATION FACILITY (WRF)

RO/UV BUILDING
ARCHITECTURAL
LIFE SAFETY PLAN

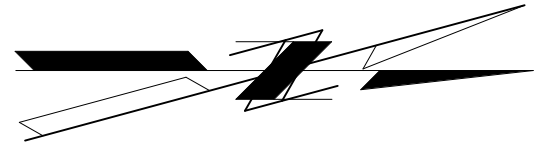
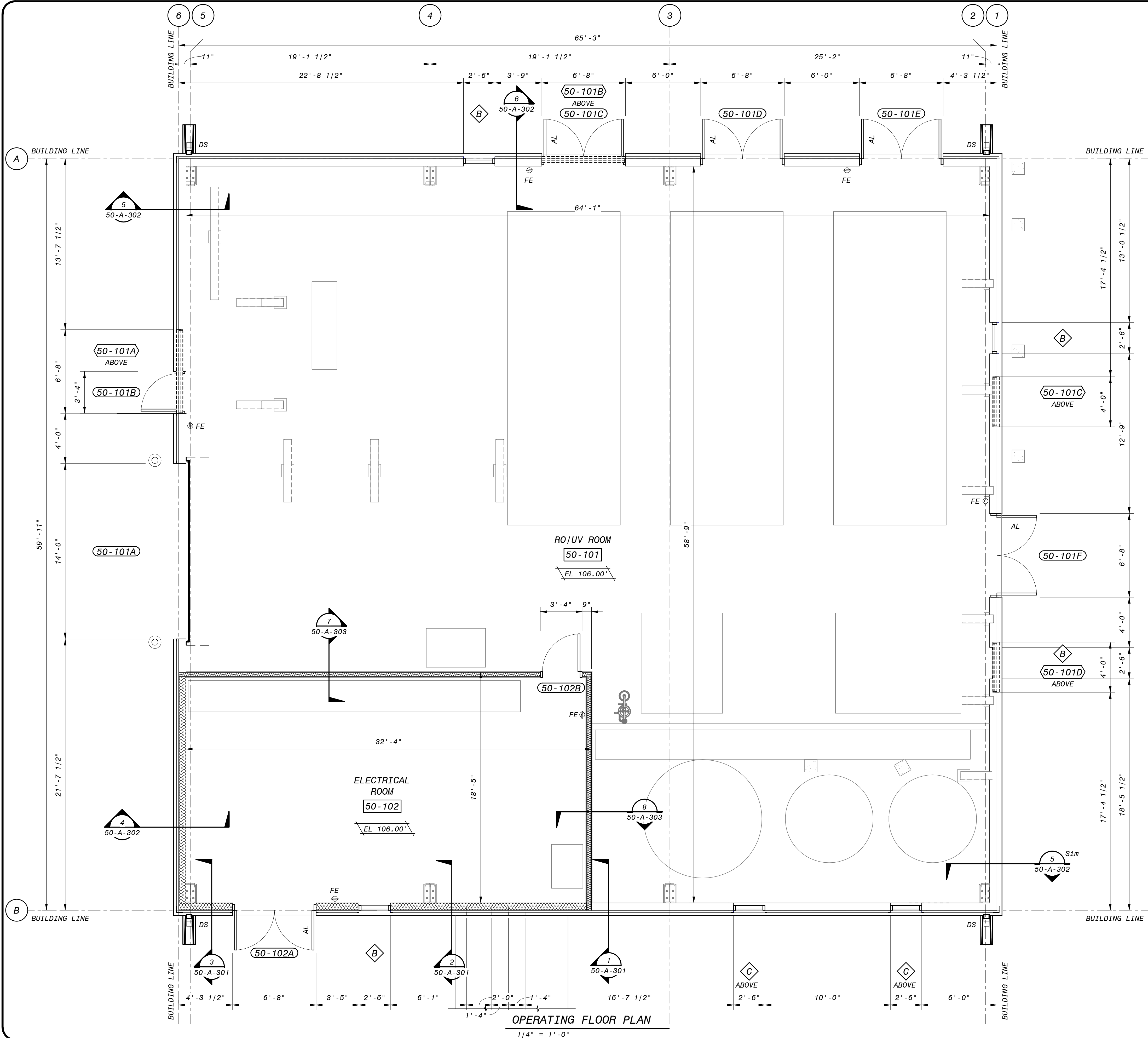
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CHECKED: -
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DATE: 5/19/2020

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PROJECT NO.
400530

50-A-101
SHEET
257 OF 412

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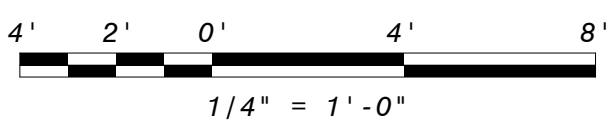
GENERAL SHEET NOTES

SHEET KEYNOTES

LEGEND

- (X) ACCESSORY ITEM
- (101A) DOOR
- (H1) ACCESS HATCH
- (00) LABORATORY CABINET
- (101A) LOUVER
- (A) WALL or WALL PANEL TYPE
- (W) WINDOW
- (WS) WINDOW SYSTEM or FRAME TYPE

ROOM NAME ROOM NAME & NUMBER

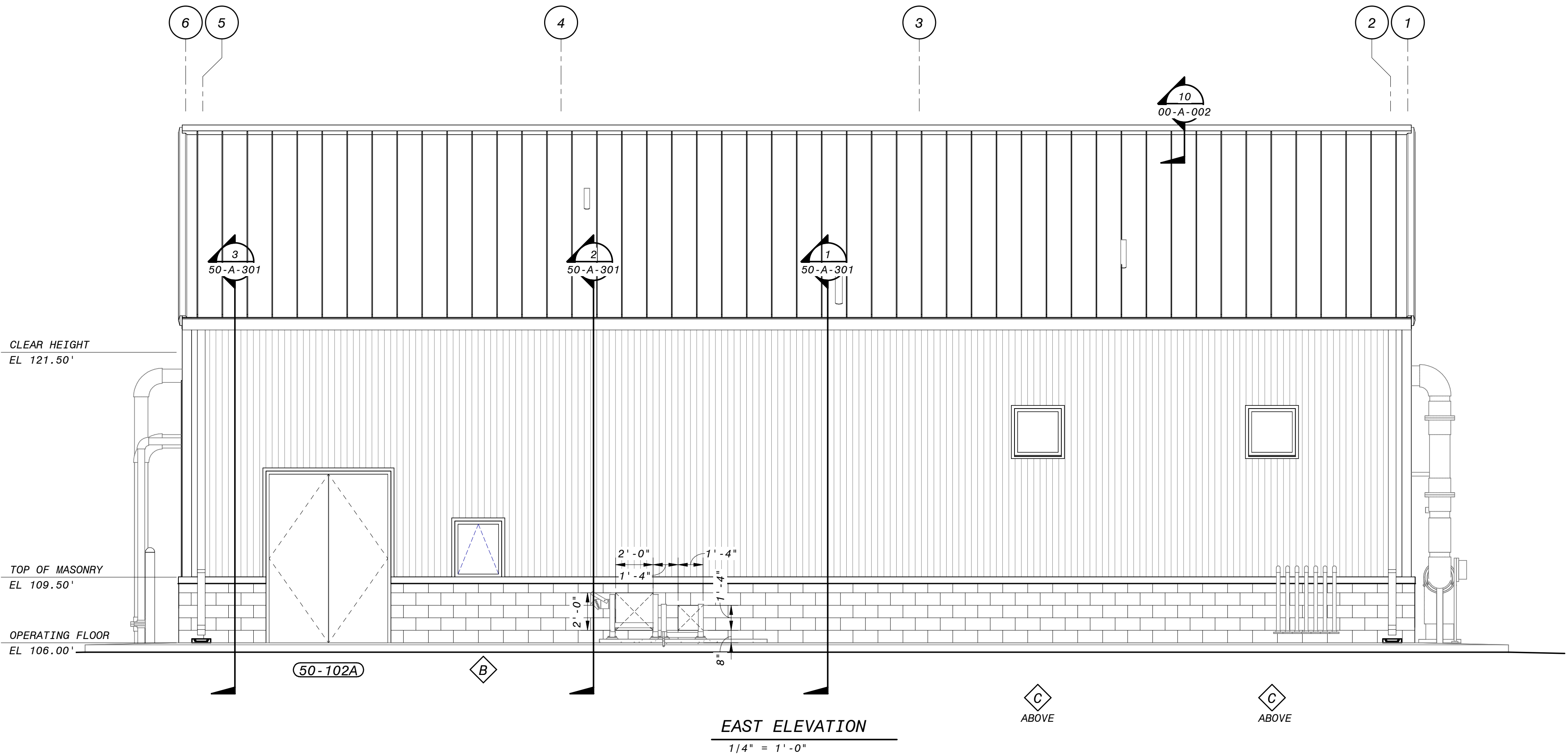
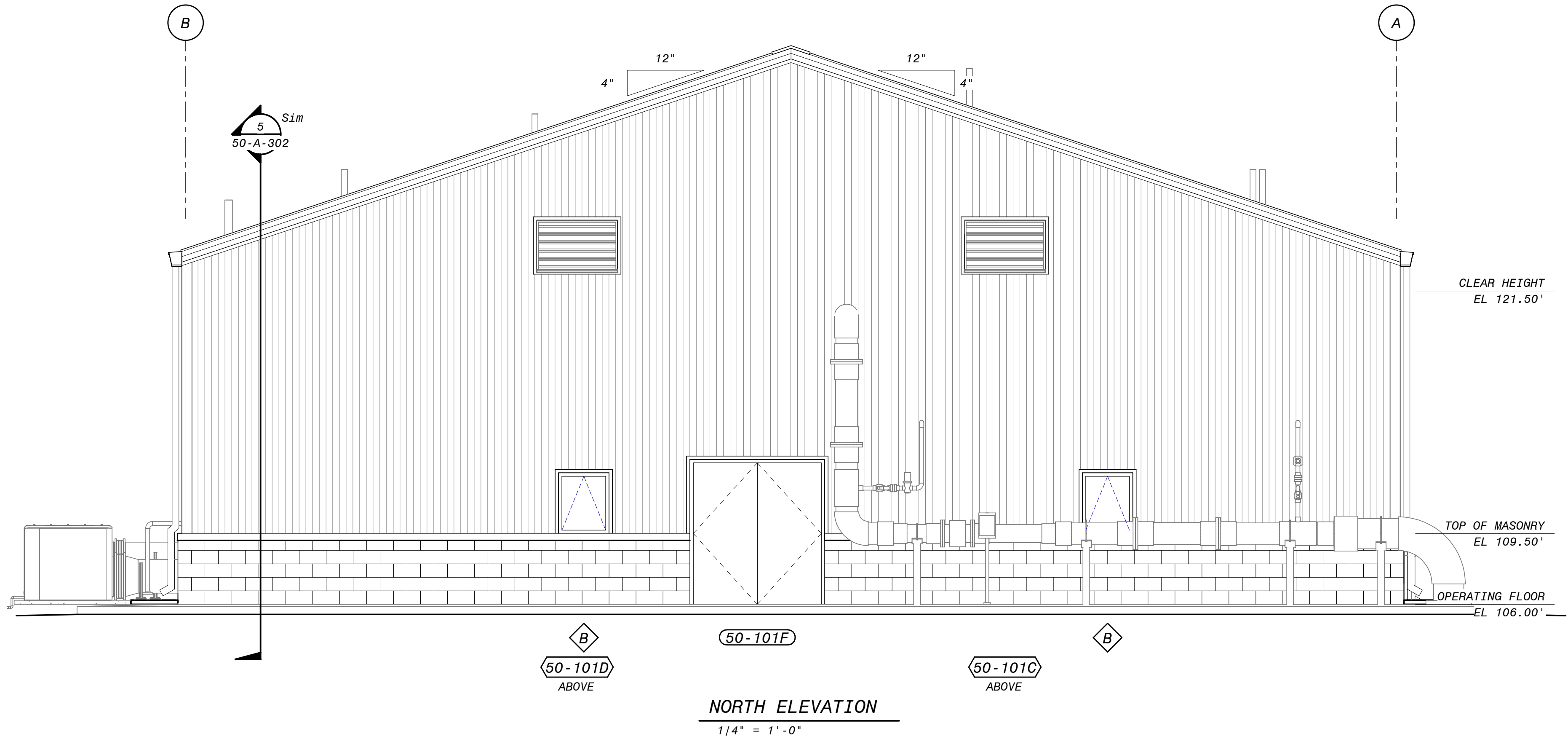


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NO.	BY	CHK APP
5/19/2020	ISSUED FOR CONSTRUCTION	REVIEWS AND RECORD OF USE
DATE		



CITY OF MORRO BAY
MORRO BAY WATER
RECLAMATION FACILITY (WRF)
RO/UV BUILDING
ARCHITECTURAL
OPERATING FLOOR PLAN

DESIGNED: BDF
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DATE: 5/19/2020
PROJECT NO.
400530
50-A-102
SHEET
258 OF 412



GENERAL SHEET NOTES

SHEET KEYNOTES



FRASER SEIPLE ARCHITECTS
JOINT VENTURE
BLACK & VEATCH
FILANC

CITY OF MORRO BAY
MORRO BAY WATER
RECLAMATION FACILITY (WRF)
RO/UV BUILDING
ARCHITECTURAL
BUILDING ELEVATIONS

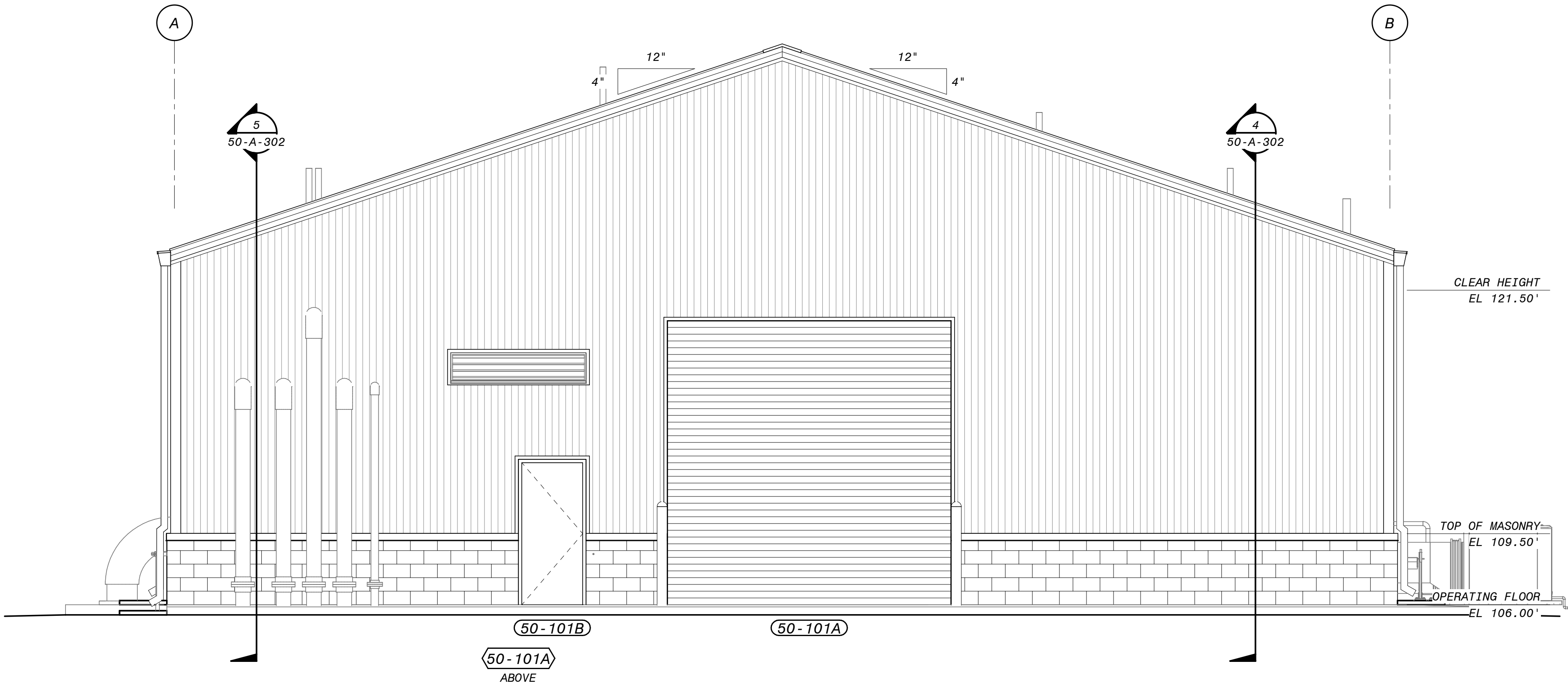
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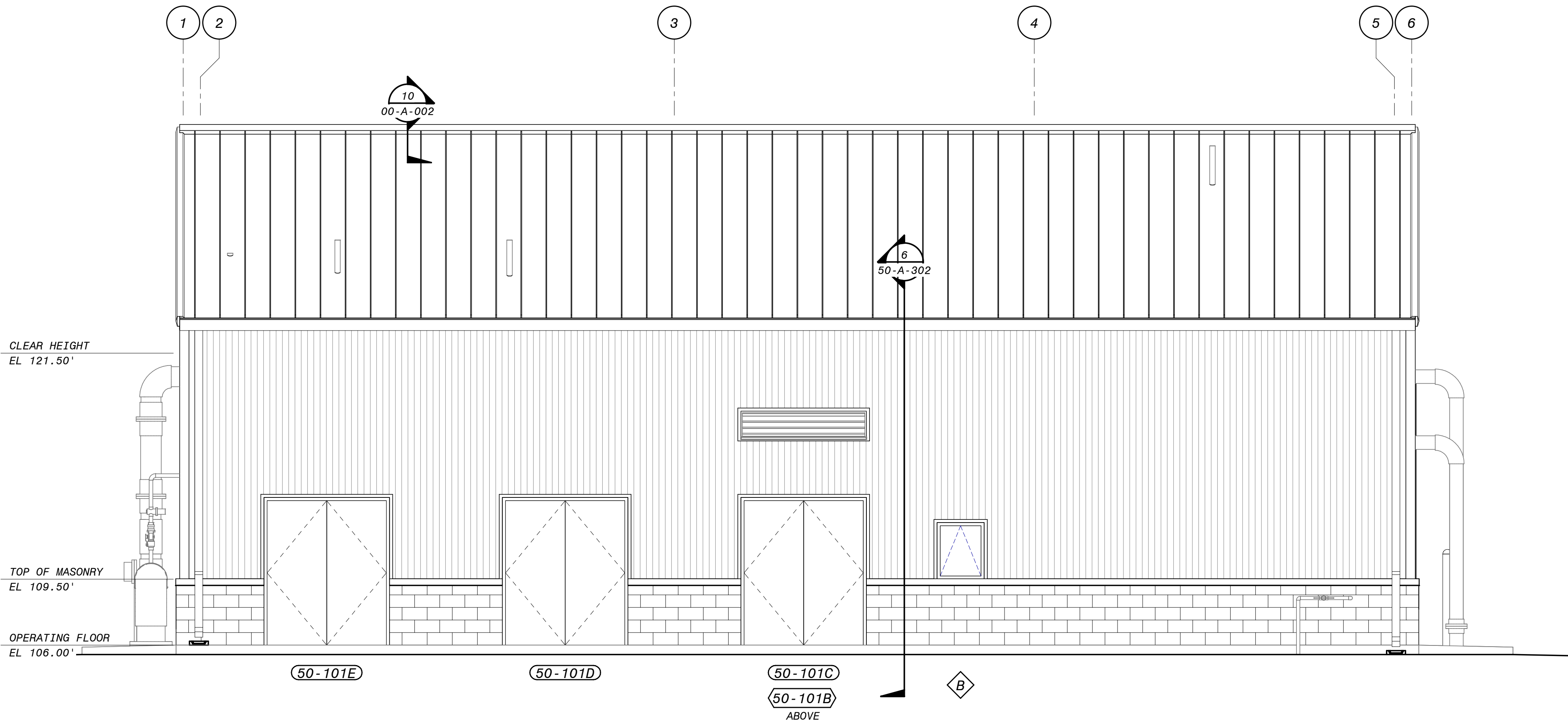
PROJECT NO.
400530

50-A-201
SHEET
259 OF 412

4' 2' 0' 4' 8'
1/4" = 1'-0"



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



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

GENERAL SHEET NOTES

SHEET KEYNOTES



CITY OF MORRO BAY
MORRO BAY WATER
RECLAMATION FACILITY (WRF)

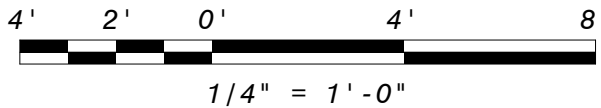
RO/UV BUILDING
ARCHITECTURAL
BUILDING ELEVATIONS

DESIGNED: BDF
DETAILED: ANH
CHECKED: -
APPROVED: BDF
DATE: 5/19/2020

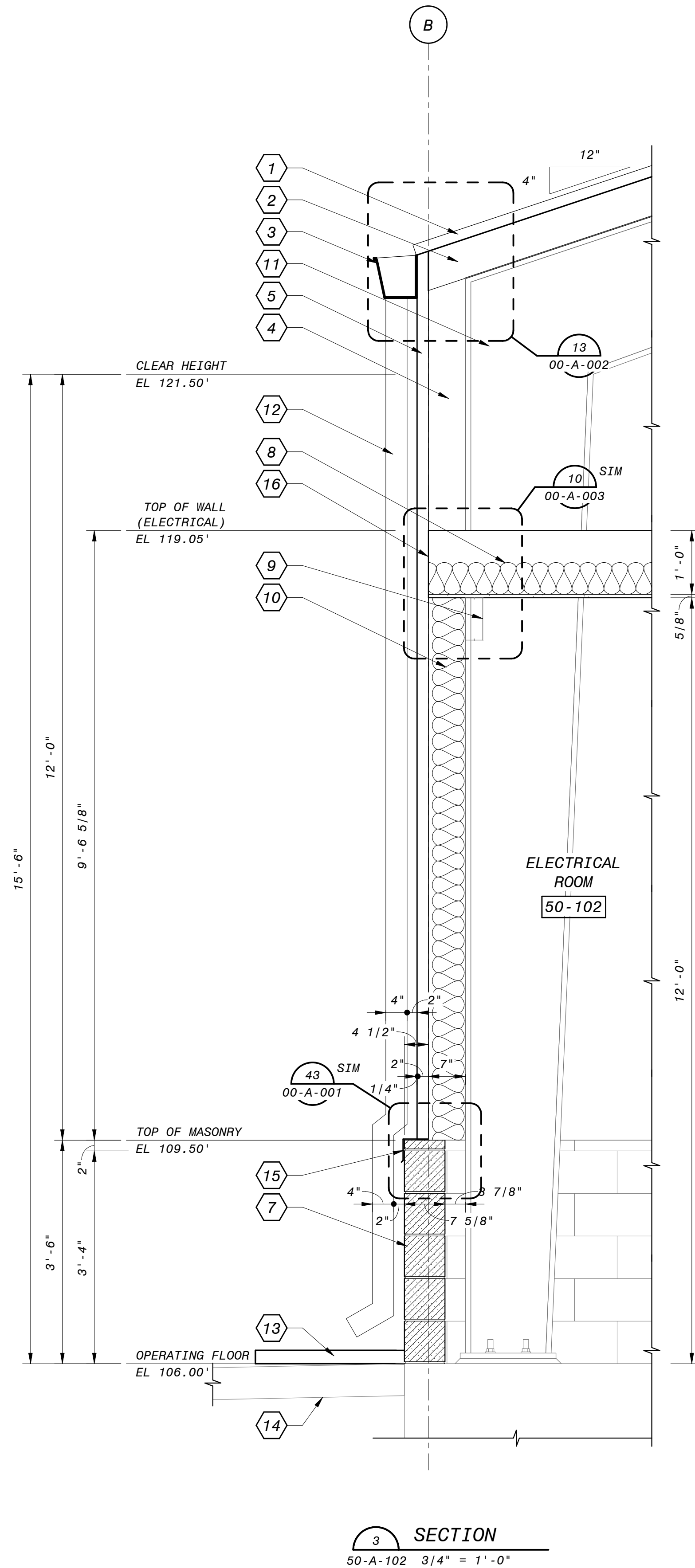
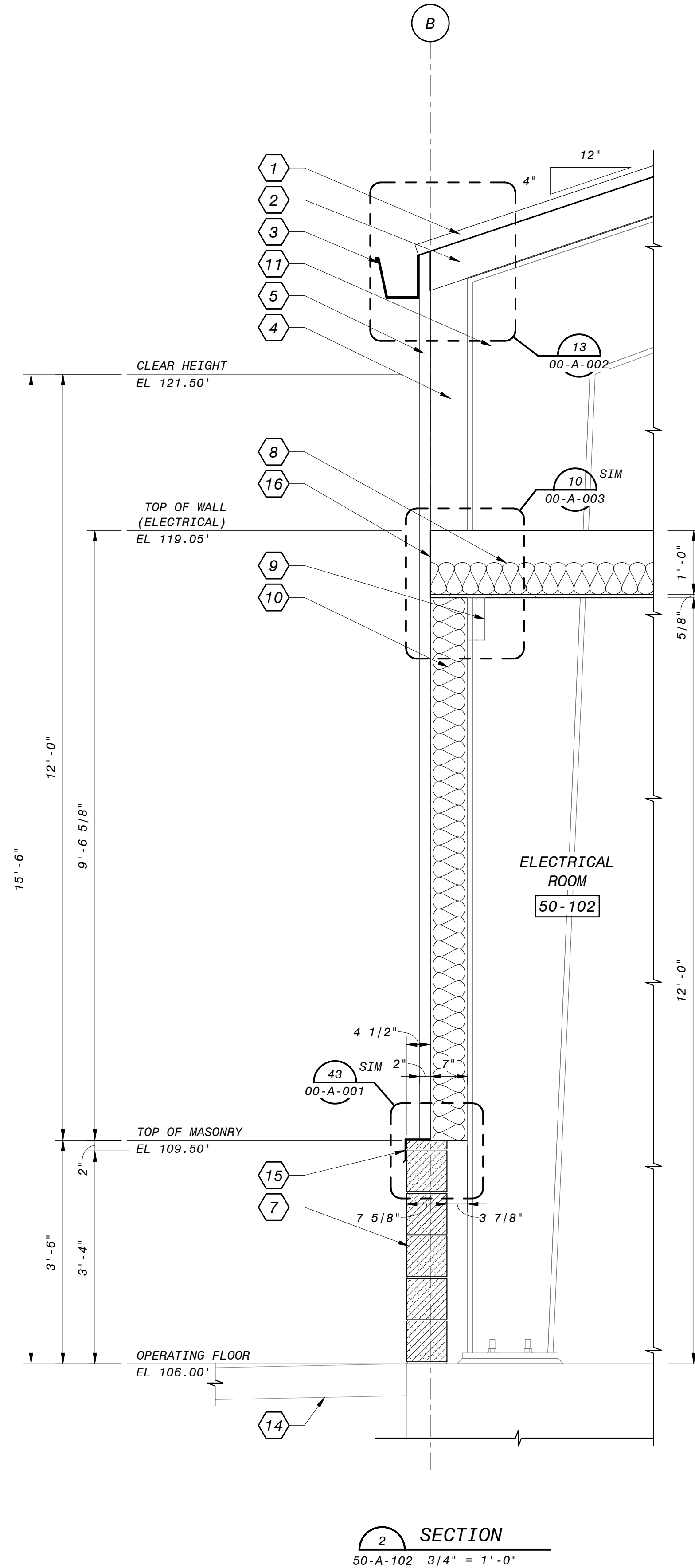
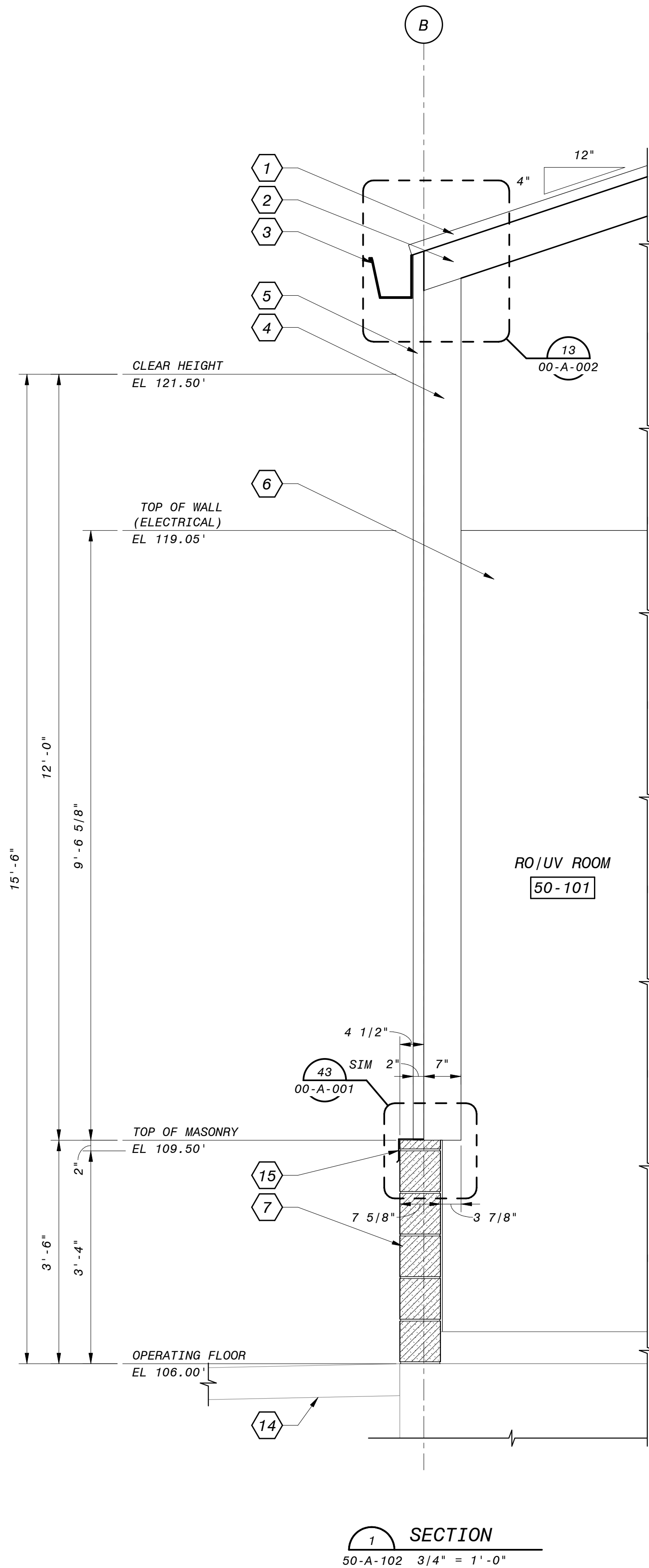
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IF THIS BAR DOES NOT
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PROJECT NO.
400530

50-A-202
SHEET
260 OF 412



040530
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GENERAL SHEET NOTES

- FOR VERTICAL REINFORCING AND BOND BEAMS IN MASONRY DESIGN - SEE STRUCTURAL DRAWINGS
- FOR HORIZONTAL JOINT REINFORCING - SEE SPECIFICATION SECTION 04200

SHEET KEYNOTES

- METAL ROOFING PANELS
- PURLIN FRAMING SPACE
- PRE-FINISHED METAL FASCIA GUTTER
- WALL GIRT FRAMING SPACE
- PRE-FINISHED RIBBED METAL SIDING
- ELECTRICAL ROOM WALL BEYOND
- BURNISHED 8x8x16 CONCRETE BLOCK
- CEILING - METAL C-JOISTS W/ R-30 BATT INSULATION OVER GYPSUM BOARD
- METAL BOX HEADER TO SUPPORT CEILING FRAMING - SEE STRUCTURAL DRAWINGS
- PINCH WALL INSULATION IN GIRT SPACE - R13
- PRE-ENGINEERED FRAME PER METAL BUILDING MANUFACTURER
- PRE-FINISHED METAL DOWNSPOUT
- PRECAST CONCRETE SPLASH BLOCK
- PAVING
- PAINTED METAL Z FLASHING
- JOIST END CLOSURE



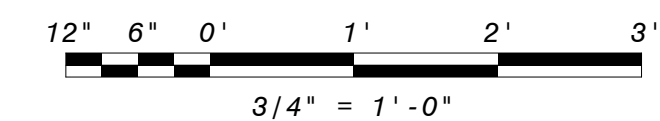
CITY OF MORRO BAY
MORRO BAY WATER
RECLAMATION FACILITY (WRF)
RO/UV BUILDING
ARCHITECTURAL
WALL SECTIONS

DESIGNED: BDF
DETAILED: ANH
CHECKED: -
APPROVED: BDF
DATE: 5/19/2020

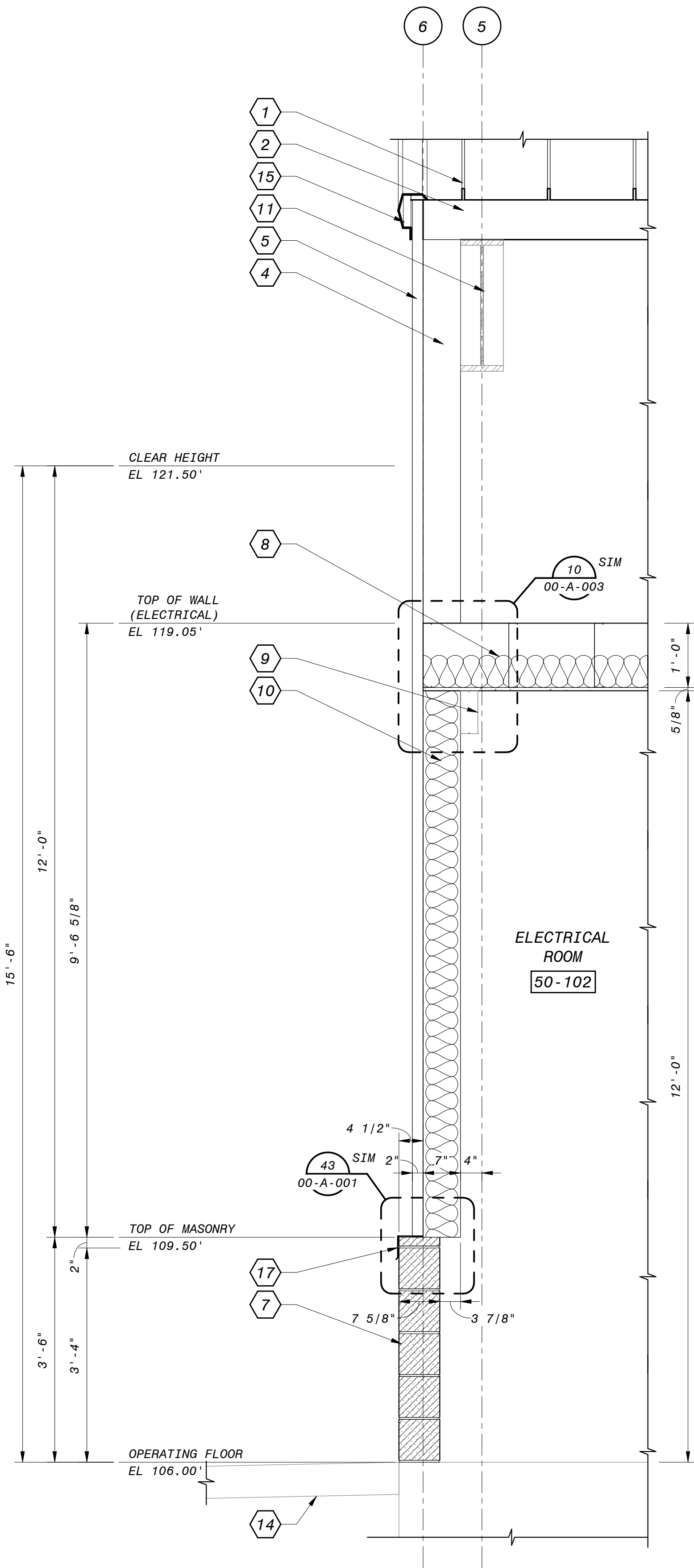
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400530

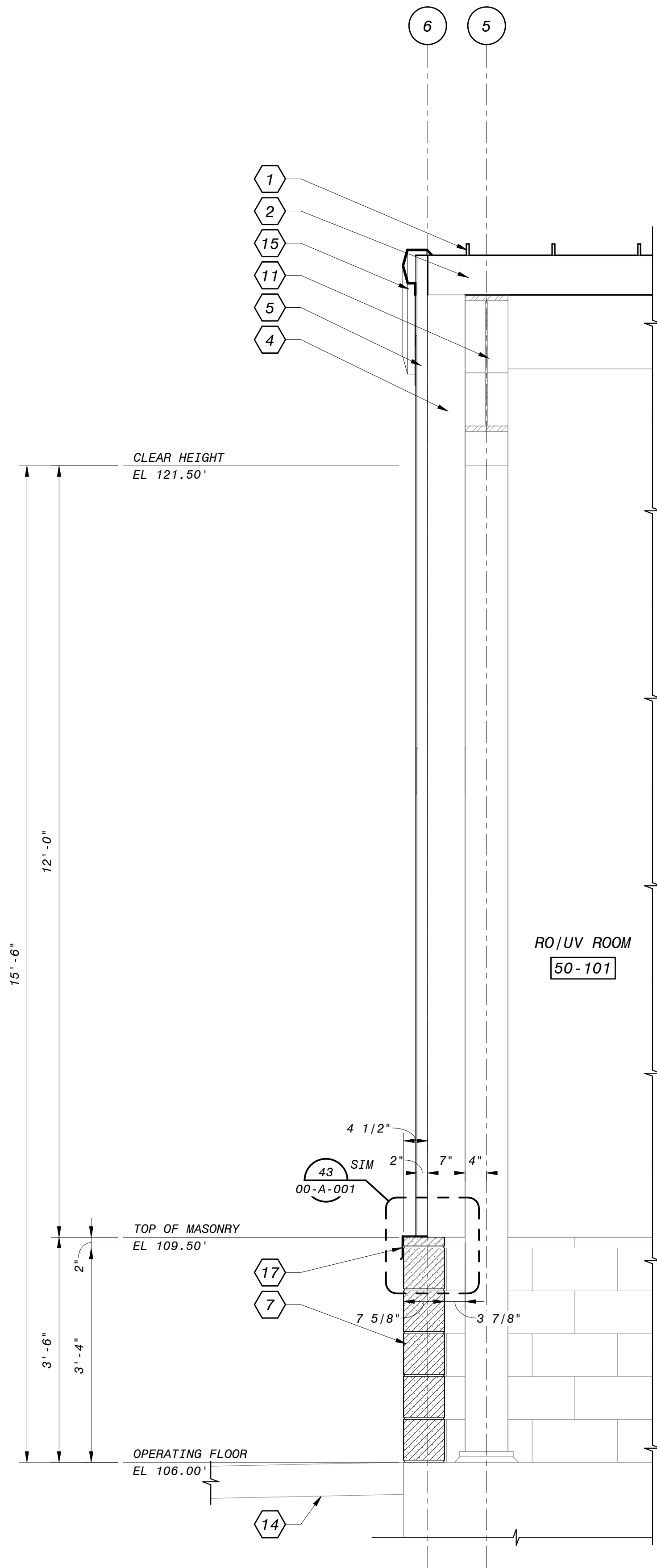
50-A-301
SHEET
261 OF 412



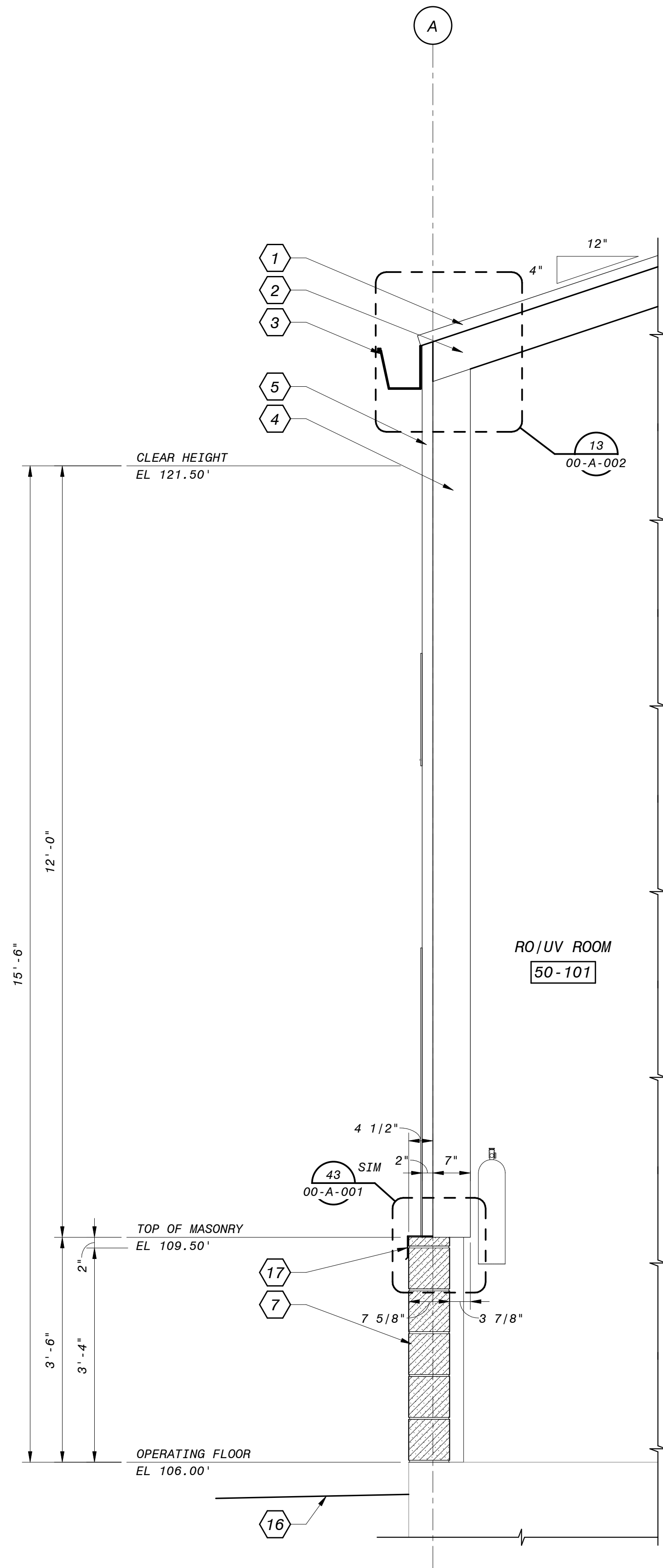
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0400530



4 SECTION
50-A-102 3/4" = 1'-0"



5 SECTION
50-A-102 3/4" = 1'-0"



6 SECTION
50-A-102 3/4" = 1'-0"

GENERAL SHEET NOTES

- FOR VERTICAL REINFORCING AND BOND BEAMS IN MASONRY DESIGN - SEE STRUCTURAL DRAWINGS
- FOR HORIZONTAL JOINT REINFORCING - SEE SPECIFICATION SECTION 04200

SHEET KEYNOTES

- METAL ROOFING PANELS
- PURLIN FRAMING SPACE
- PRE-FINISHED METAL FASCIA GUTTER
- WALL GIRT FRAMING SPACE
- PRE-FINISHED RIBBED METAL SIDING
- ELECTRICAL ROOM WALL BEYOND
- BURNISHED 8x8x16 CONCRETE BLOCK
- CEILING - METAL C-JOISTS W/ R-30 BATT INSULATION OVER GYPSUM BOARD
- METAL BOX HEADER TO SUPPORT CEILING FRAMING - SEE STRUCTURAL DRAWINGS
- PINCH WALL INSULATION IN GIRT SPACE - R-13
- PRE-ENGINEERED FRAME PER METAL BUILDING MANUFACTURER
- PRE-FINISHED METAL DOWNSPOUT
- PRECAST CONCRETE SPLASH BLOCK
- PAVING
- PRE-FINISHED METAL RAKE TRIM
- FINISHED GRADE
- PANTED METAL Z FLASHING



CITY OF MORRO BAY
MORRO BAY WATER
RECLAMATION FACILITY (WRF)
RO/UV BUILDING
ARCHITECTURAL
WALL SECTIONS

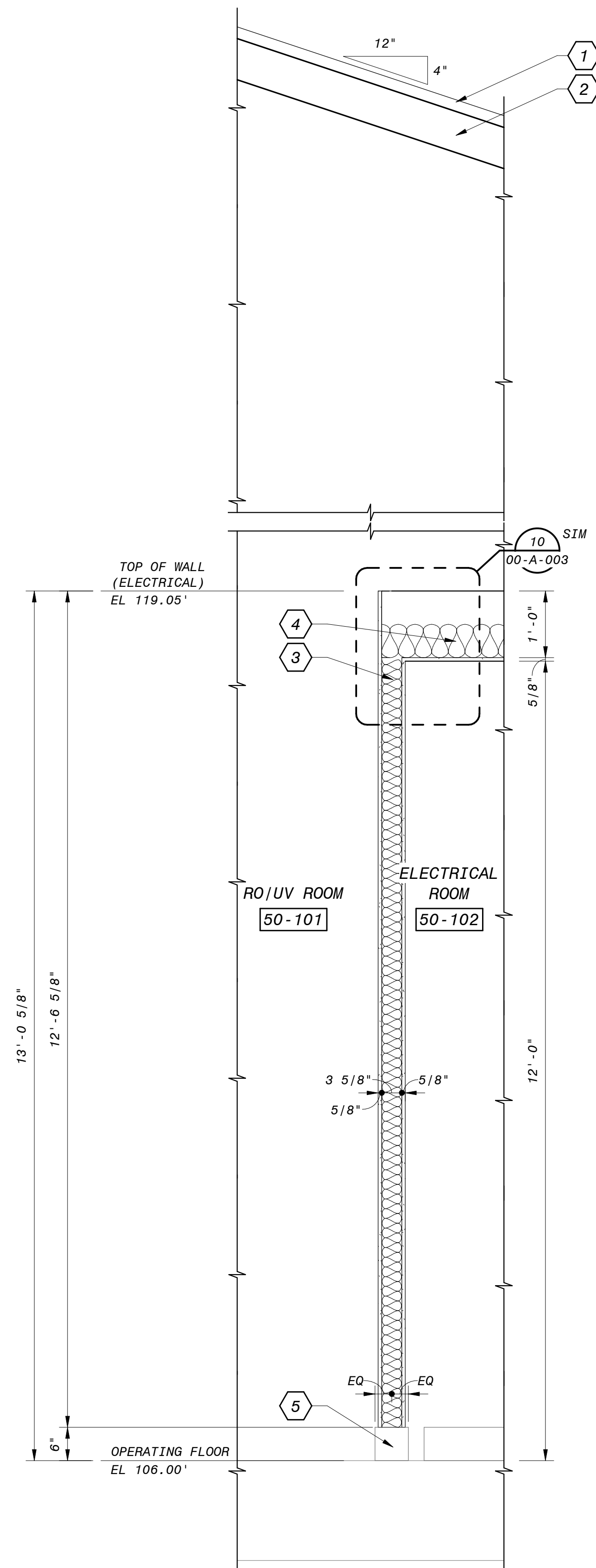
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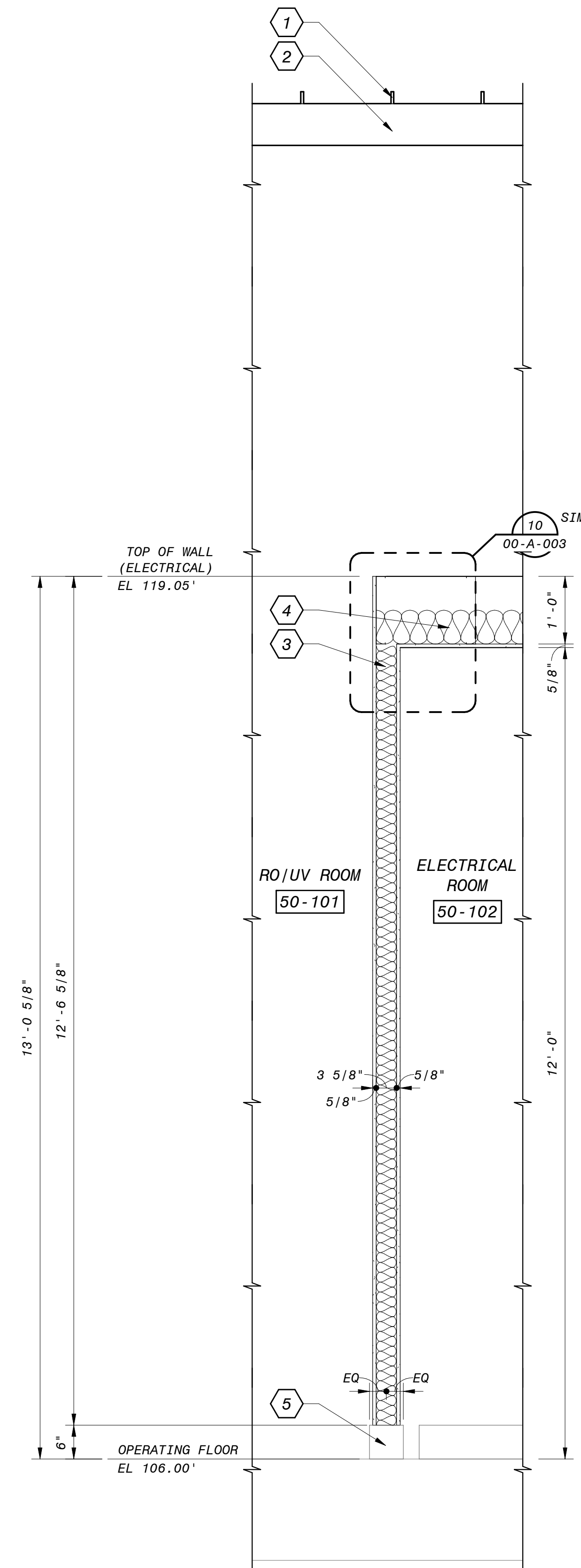
PROJECT NO.
400530

50-A-302
SHEET
262 OF 412

12" 6" 0' 1' 2' 3'
3/4" = 1'-0"



7 SECTION
50-A-102 3/4" = 1'-0"



8 SECTION
50-A-102 3/4" = 1'-0"

GENERAL SHEET NOTES

1. FOR VERTICAL REINFORCING AND BOND BEAMS IN MASONRY DESIGN - SEE STRUCTURAL DRAWINGS
2. FOR HORIZONTAL JOINT REINFORCING - SEE SPECIFICATION SECTION 04200

 *SHEET KEYNOTES*

1. METAL ROOFING PANELS
2. PURLIN FRAMING SPACE
3. 3 5/8" METAL STUD W/ R-13 BATT INSULATION W/
5/8" GYPSUM BOARD EACH SIDE
4. CEILING - METAL C-JOISTS W/ R-30 BATT
INSULATION OVER GYPSUM BOARD
5. 6"x6" CONCRETE CURB - SEE STRUCTURAL DRAWINGS



**FRASER
SEIPLE**
ARCHITECTS

JOINT VENTURE

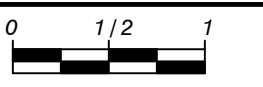
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 **BLACK & VEATCH**

CITY OF MORRO BAY
MORRO BAY WATER
RECLAMATION FACILITY (WRF)

PRO/UV BUILDING
ARCHITECTURAL
WALL SECTIONS

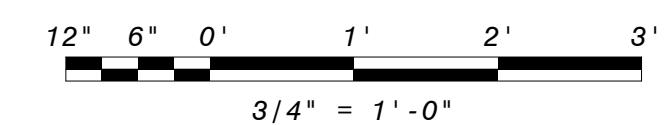
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CHECKED: -
APPROVED: BDF
DATE: 5/19/2020

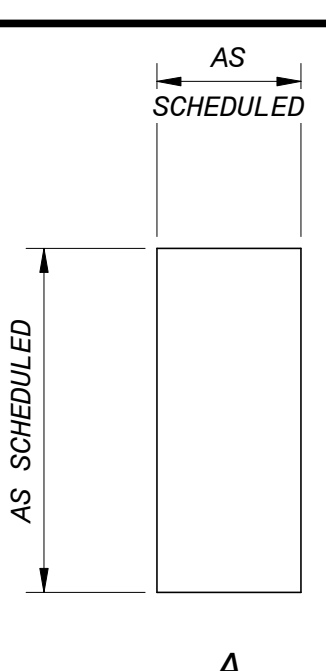
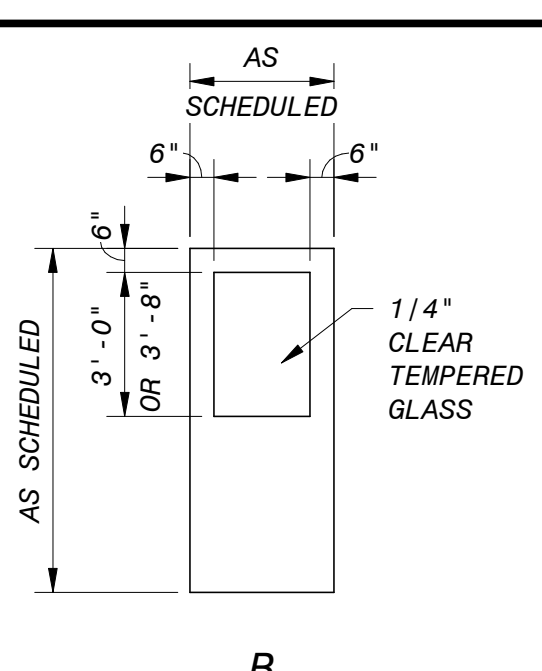
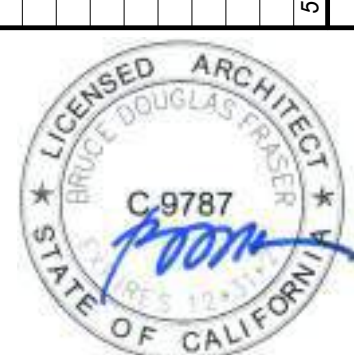

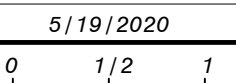


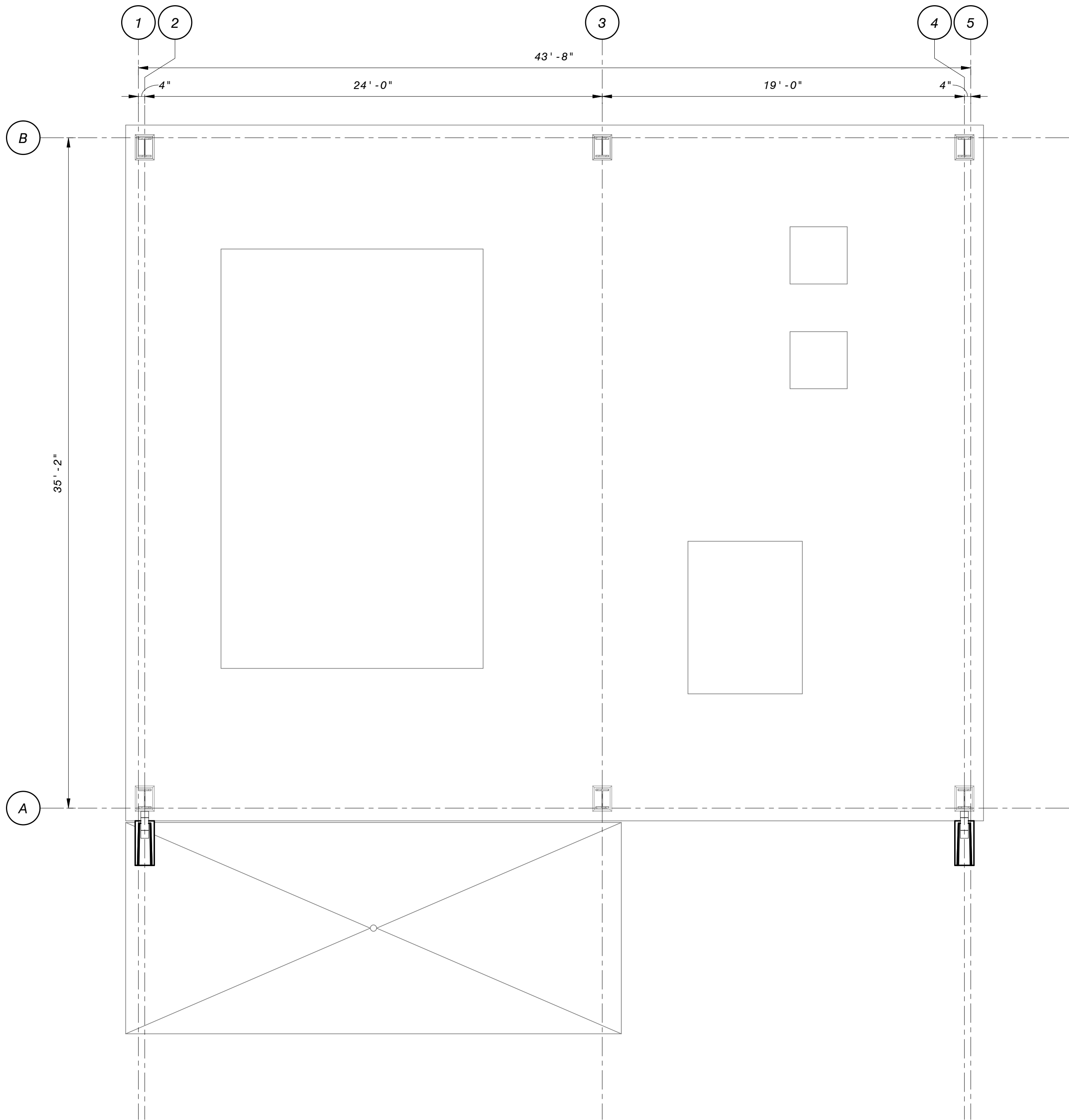
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PROJECT NO.
400530

50-A-303
SHEET
263 OF 412

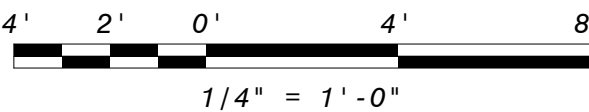


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<h2 style="text-align: center;">DOOR TYPES</h2> <div style="display: flex; justify-content: space-around; align-items: center;">   </div>												<div style="text-align: center;">   </div>			
<h2 style="text-align: center;">WINDOW TYPES</h2>						<div style="writing-mode: vertical-rl; transform: rotate(180deg);"> <p>CITY OF MORRO BAY MORRO BAY WATER RECLAMATION FACILITY (WRF)</p> <p>ROY UY BUILDING ARCHITECTURAL SCHEDULES</p> </div>									
						<div style="font-size: x-small;"> DESIGNED: BDF DETAILED: ANH CHECKED: - APPROVED: BDF DATE: 5/19/2020 </div> <div style="text-align: center; margin-top: 10px;">  <small>IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE</small> PROJECT NO. 400530 </div>									
						<div style="text-align: center; font-size: large; font-weight: bold;">50-A-601</div> <div style="text-align: center; font-size: x-small;"> SHEET 264 OF 412 </div>									



OPERATING FLOOR PLAN

1/4" = 1'-0"



GENERAL SHEET NOTES

SHEET KEYNOTES

CITY OF MORRO BAY
MORRO BAY WATER
RECLAMATION FACILITY (WRF)
RESIDUALS AREA - DEWATERING FACILITY
ARCHITECTURAL
OPERATING FLOOR PLAN

DESIGNED: BDF
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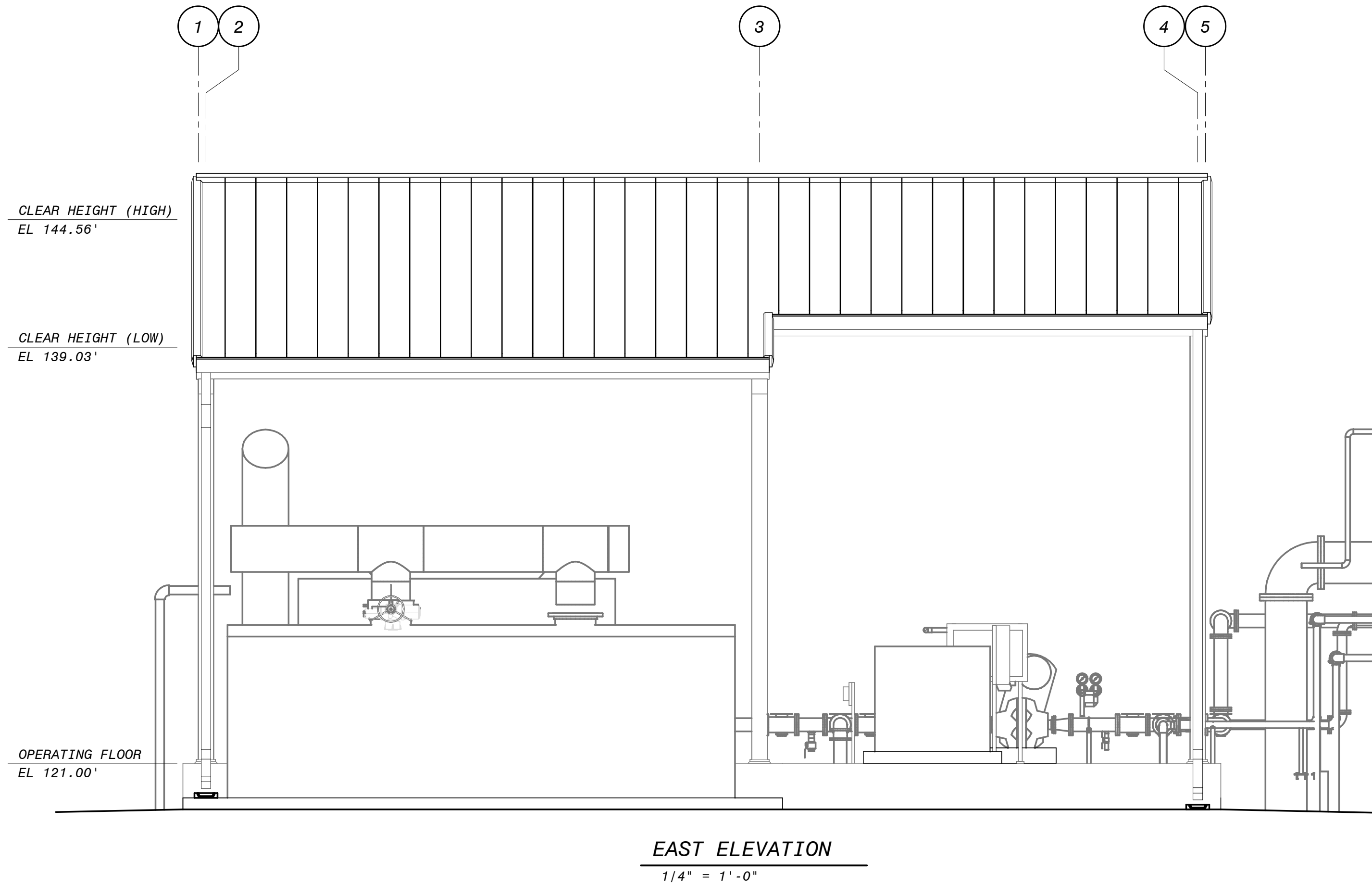
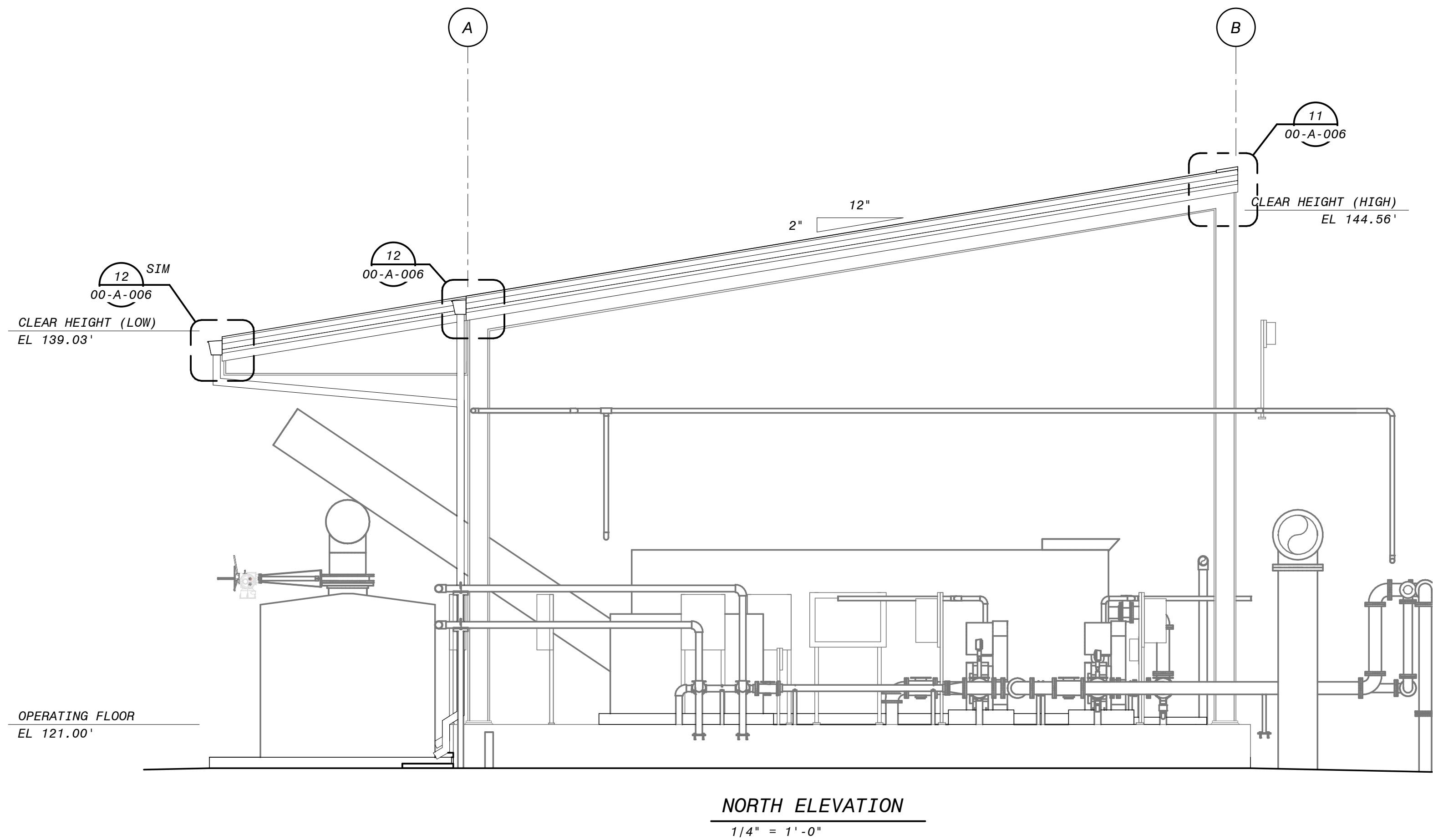
PROJECT NO.
400530

72-A-101
SHEET
266 OF 412



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SEIPLE
ARCHITECTS
JOINT VENTURE
BLACK & VEATCH
FILANC

NO.	BY	CHK	APP
0	EVB	BDF	EVB
ISSUED FOR CONSTRUCTION			
REVISONS AND RECORD OF USE			



GENERAL SHEET NOTES

SHEET KEYNOTES



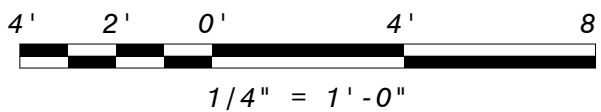
CITY OF MORRO BAY
MORRO BAY WATER
RECLAMATION FACILITY (WRF)
RESIDUALS AREA - DEWATERING FACILITY
ARCHITECTURAL
ELEVATIONS

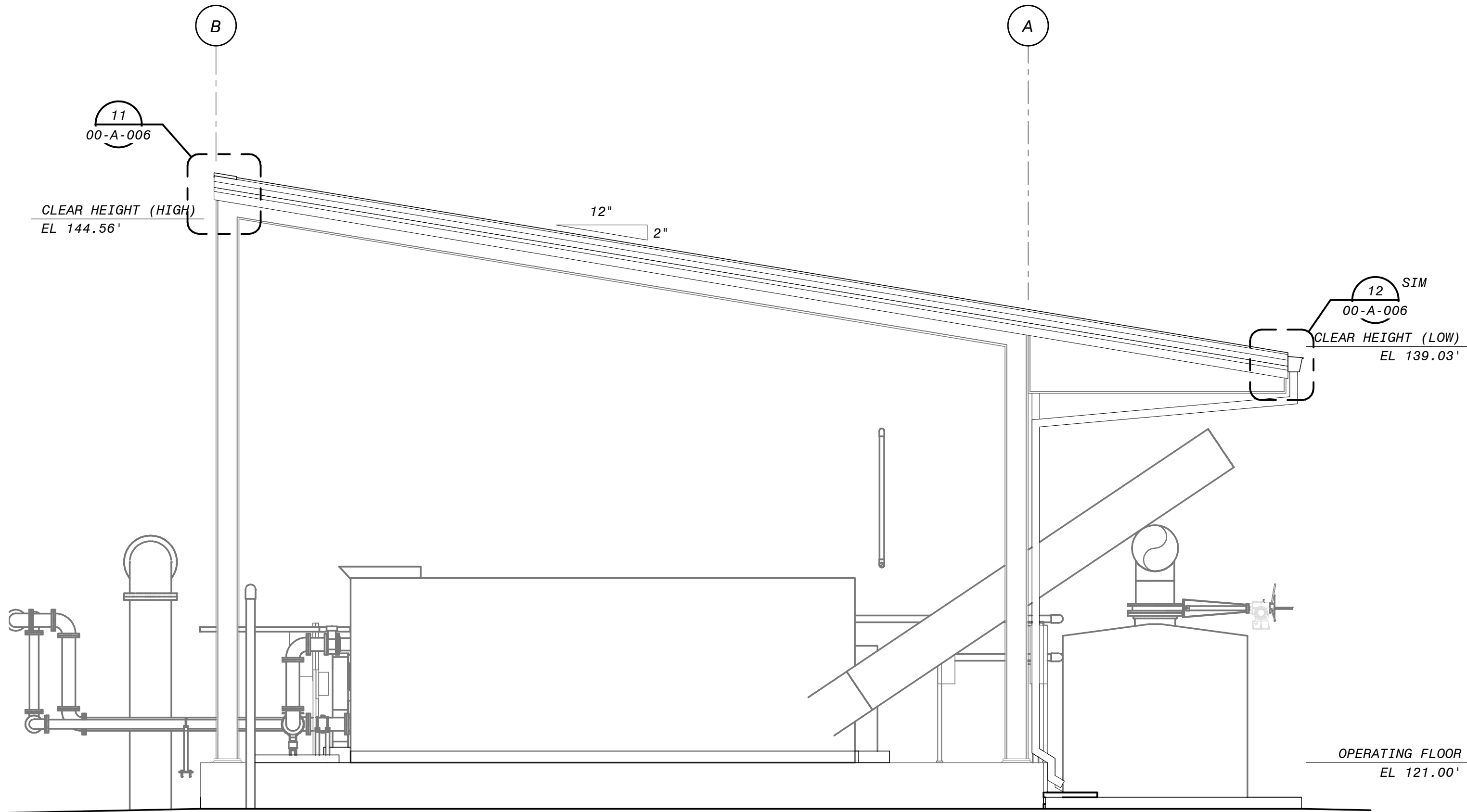
DESIGNED: BDF
DETAILED: ANH
CHECKED: -
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DATE: 5/19/2020

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IF THIS BAR DOES NOT
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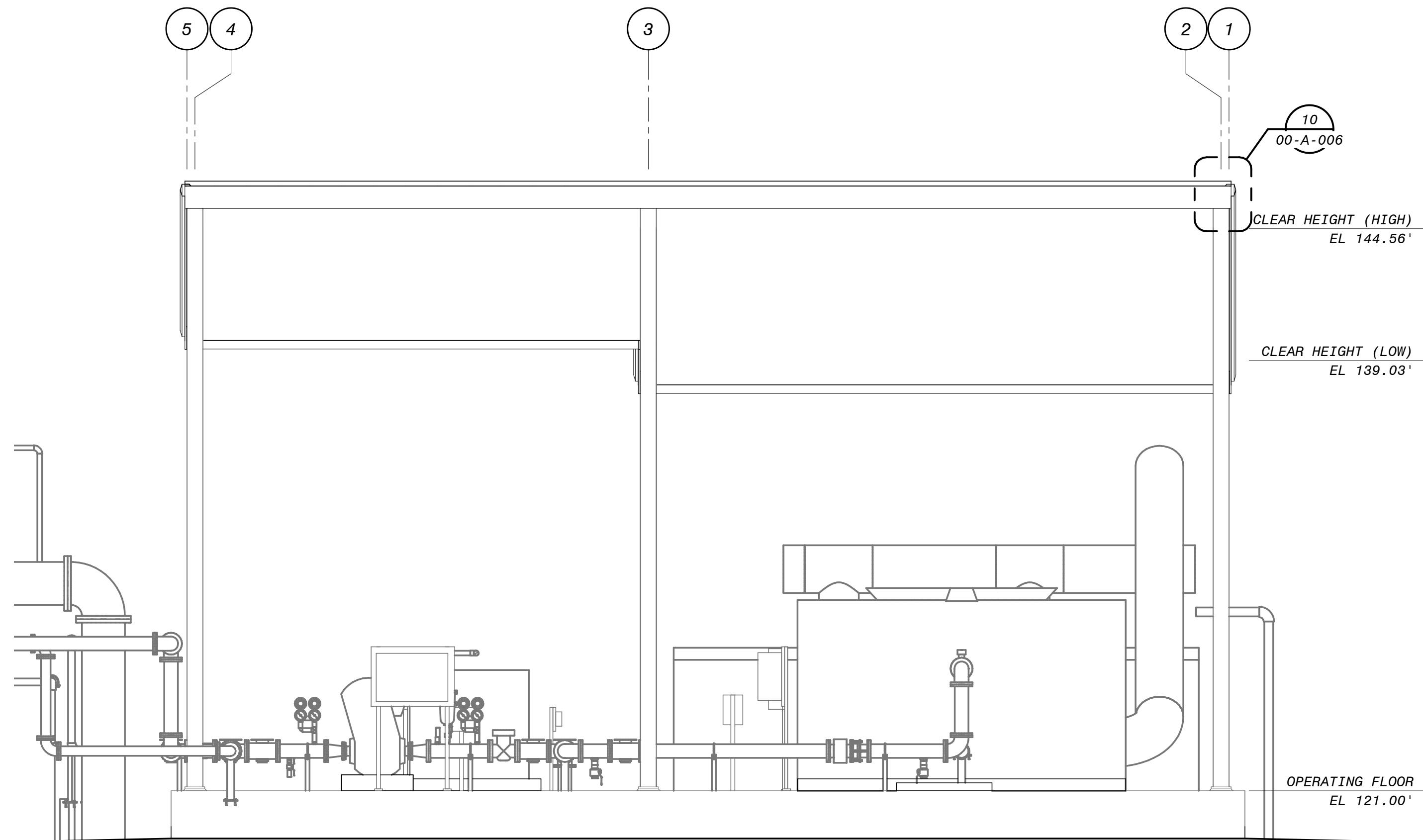
PROJECT NO.
400530

72-A-201
SHEET
267 OF 412





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



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

GENERAL SHEET NOTES

SHEET KEYNOTES



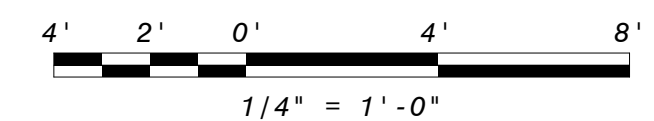
CITY OF MORRO BAY
MORRO BAY WATER
RECLAMATION FACILITY (WRF)
RESIDUALS AREA - DEWATERING FACILITY
ARCHITECTURAL
ELEVATIONS

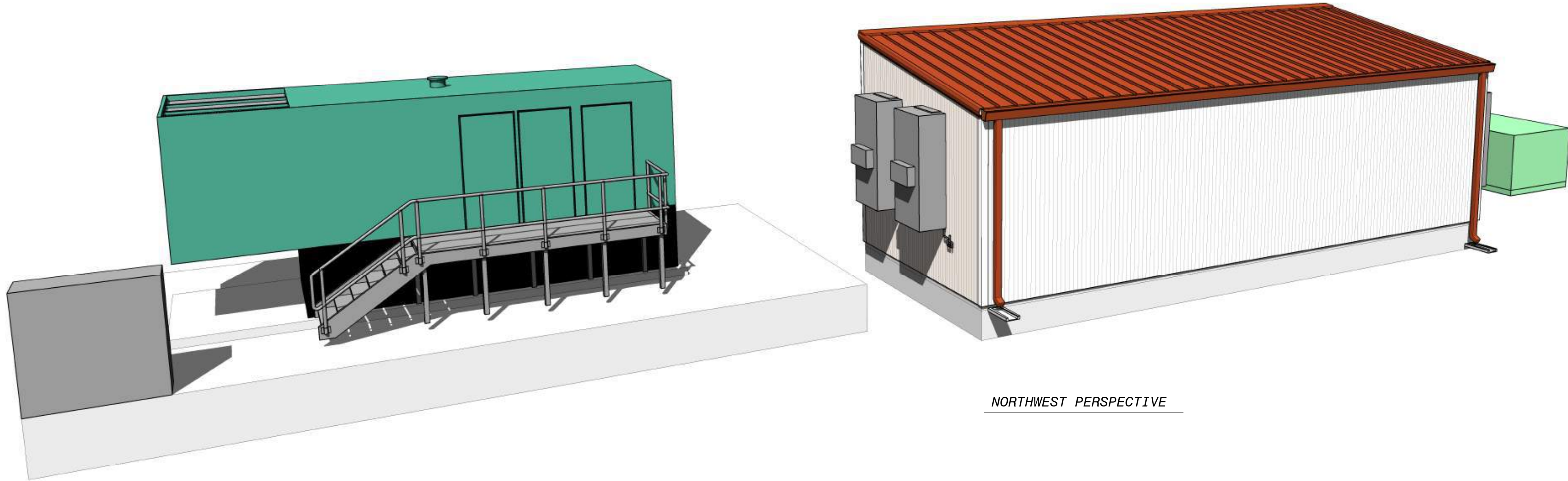
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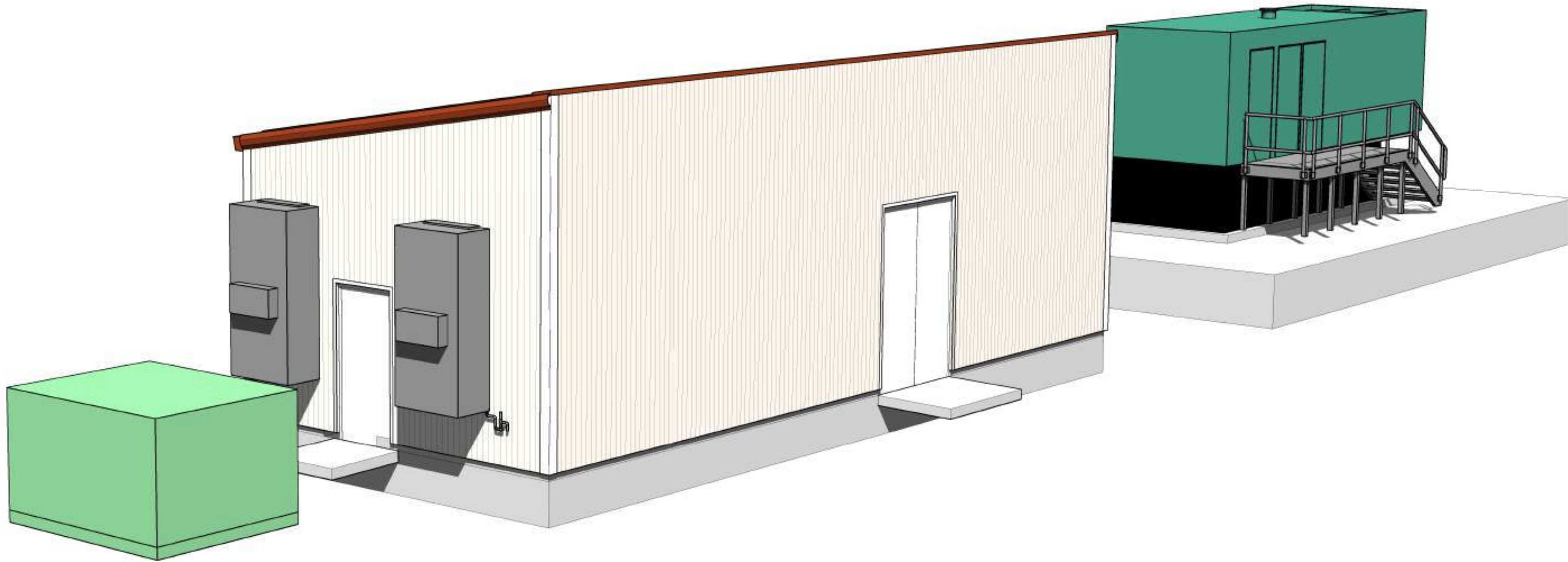
PROJECT NO.
400530

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SHEET
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NORTHWEST PERSPECTIVE



SOUTHEAST PERSPECTIVE

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NO.	BY	DATE	ISSUED FOR CONSTRUCTION	REVISIONS AND RECORD OF USE
0	BDF	5/19/2020	ISSUED FOR CONSTRUCTION	REVISIONS AND RECORD OF USE



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SEIPLE
ARCHITECTS

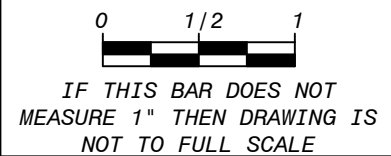
JOINT VENTURE

FILANC

BLACK & VEATCH

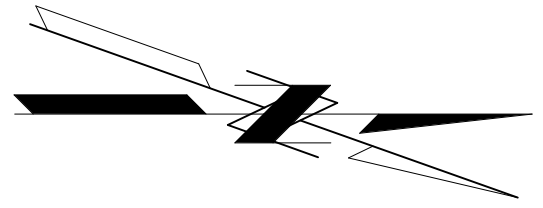
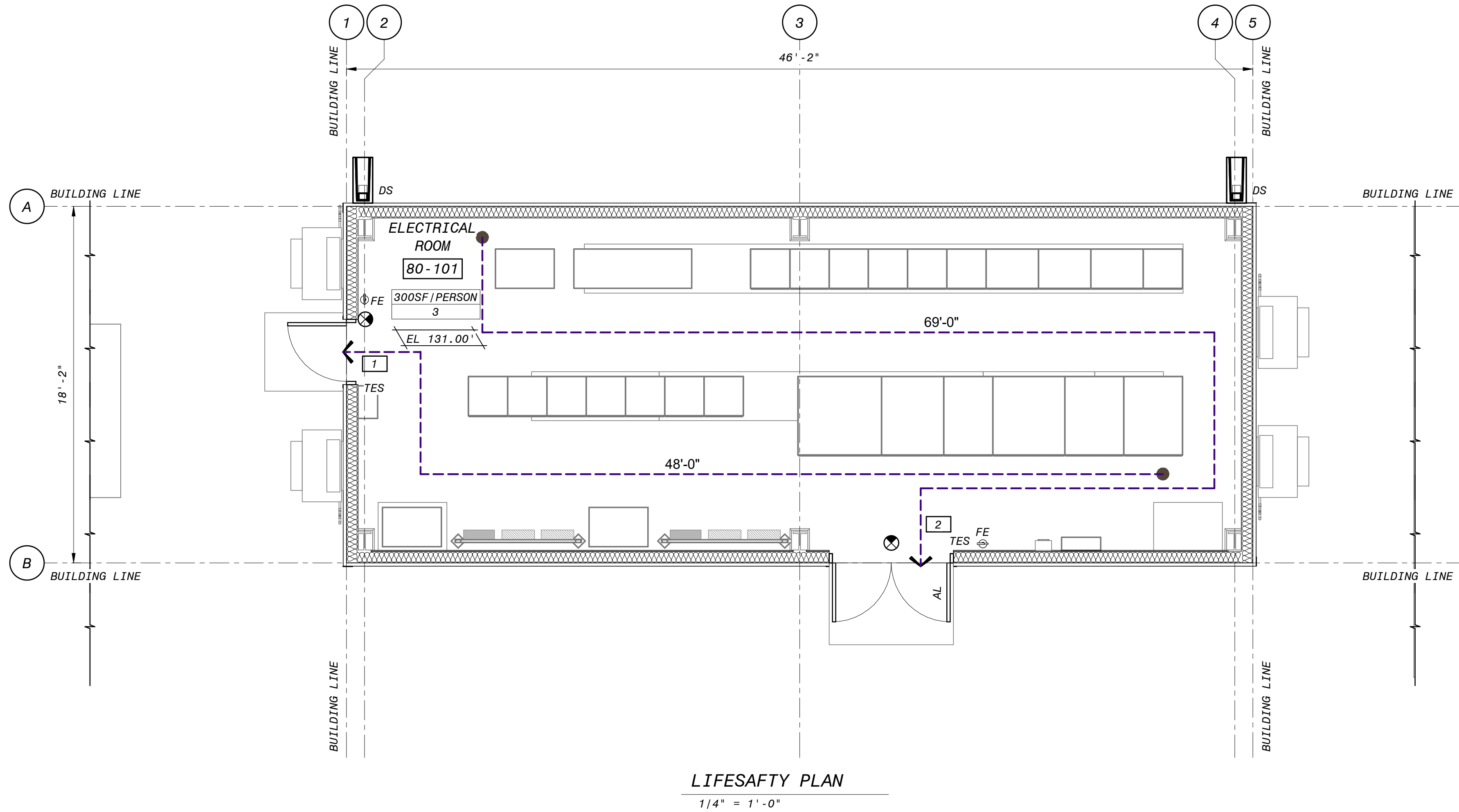
CITY OF MORRO BAY
MORRO BAY WATER
RECLAMATION FACILITY (WRF)
ELECTRICAL BUILDING
ARCHITECTURAL
PERSPECTIVES

DESIGNED: BDF
DETAILED: ANH
CHECKED: -
APPROVED: BDF
DATE: 5/19/2020



PROJECT NO.
400530

80-A-001
SHEET
269 OF 412



GENERAL SHEET NOTES

- BUILDING CONSTRUCTION TYPE IS II-B OCCUPANCY IS F-2 (LOW HAZARD INDUSTRIAL)
- WALLS CEILINGS AND ROOFS NOT OTHERWISE IDENTIFIED ARE NOT FIRE RATED

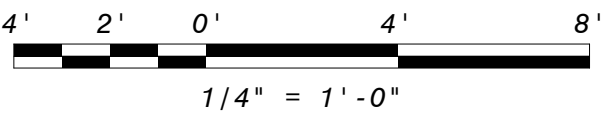
SHEET KEYNOTES

LIFE SAFETY LEGEND

- FIRE EXTINGUISHER (FE)
- X'-X" PATH OF EGRESS TRAVEL
- 100SF/PERSON 10 OCCUPANTS PER SF OCCUPANT LOAD
- 5 CUMULATIVE OCCUPANT LOAD AT EXIT
- EXIT SYMBOL
- TES TACTILE EXIT SIGN
- AL ACTIVE LEAF
- DS DOWNSPOUT

BUILDING CODE ANALYSIS

ELECTRICAL BUILDING	
APPLICABLE BUILDING CODES: 2016 CALIFORNIA BUILDING STANDARDS CODE	
OCCUPANCY	F-2
ACTUAL FLOOR AREA	863 SF TOTAL
ACTUAL HEIGHT	1 STORY (16.67 FT)
TYPE OF CONSTRUCTION	TYPE II-B
ALLOWABLE HEIGHT	2 STORIES (55 FT)
ALLOWABLE AREA	92,000 SF
DESIGN OCCUPANT LOAD	3 PERSONS
ADA ACCESSIBILITY	YES
OCCUPANCY SEPARATION	NOT REQUIRED
FIRE SPRINKLERS	NOT REQUIRED



NO.	BY	DATE	ISSUED FOR CONSTRUCTION	REVISONS AND RECORD OF USE
0	BDF	5/19/2020	ISSUED FOR CONSTRUCTION	



FRASER SEIPLE ARCHITECTS

JOINT VENTURE

BLACK & VEATCH

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CITY OF MORRO BAY
MORRO BAY WATER
RECLAMATION FACILITY (WRF)

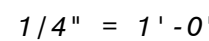
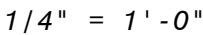
ELECTRICAL BUILDING
ARCHITECTURAL
LIFE SAFETY PLAN

DESIGNED: BDF
DETAILED: ANH
CHECKED: -
APPROVED: BDF
DATE: 5/19/2020

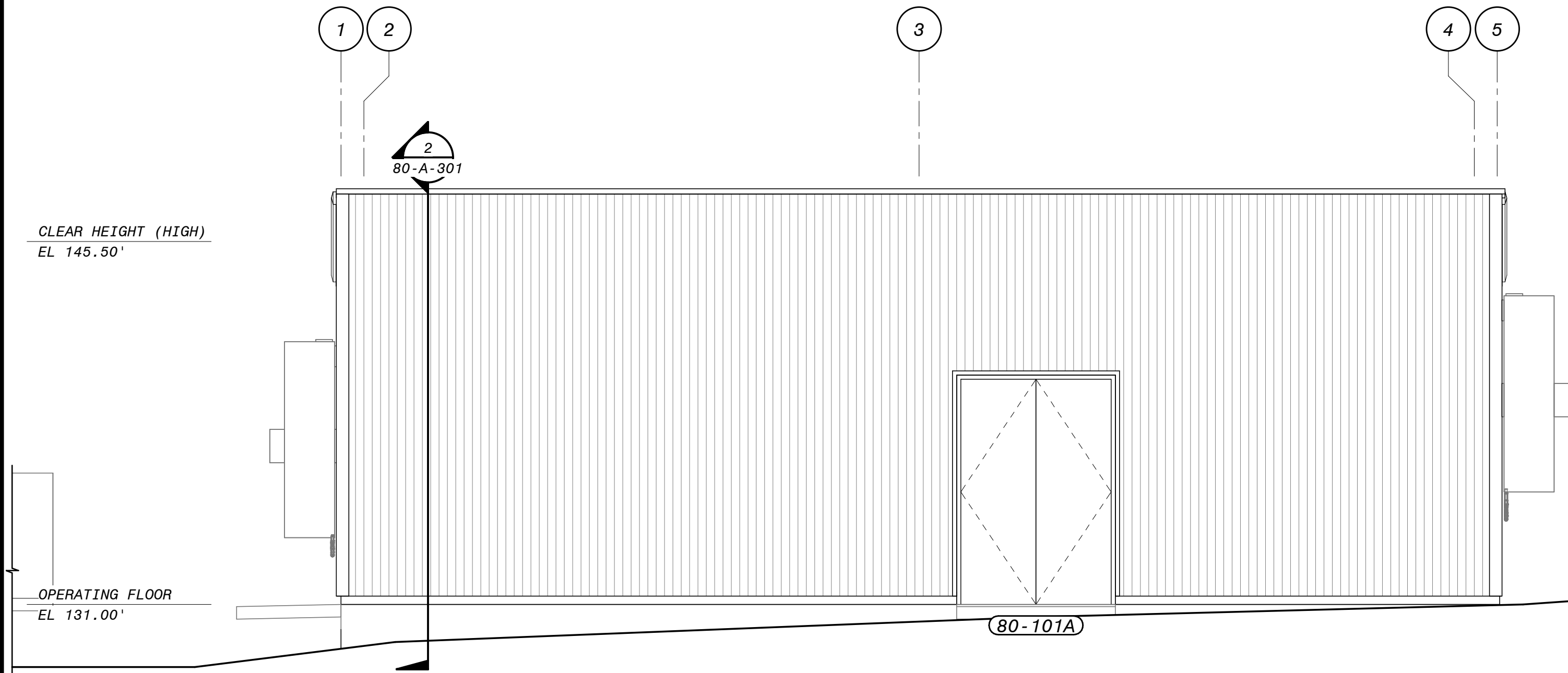
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400530

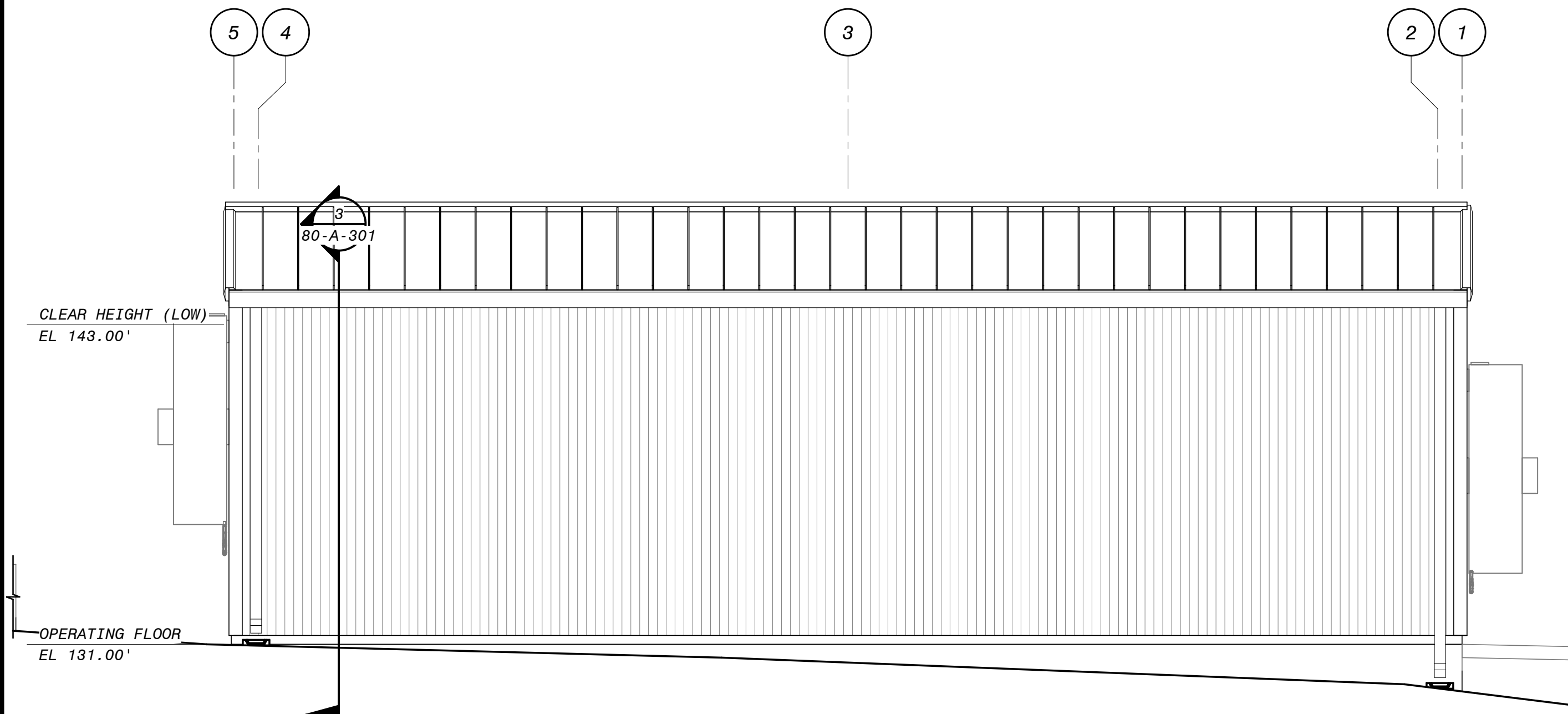
80-A-101
SHEET
271 OF 412



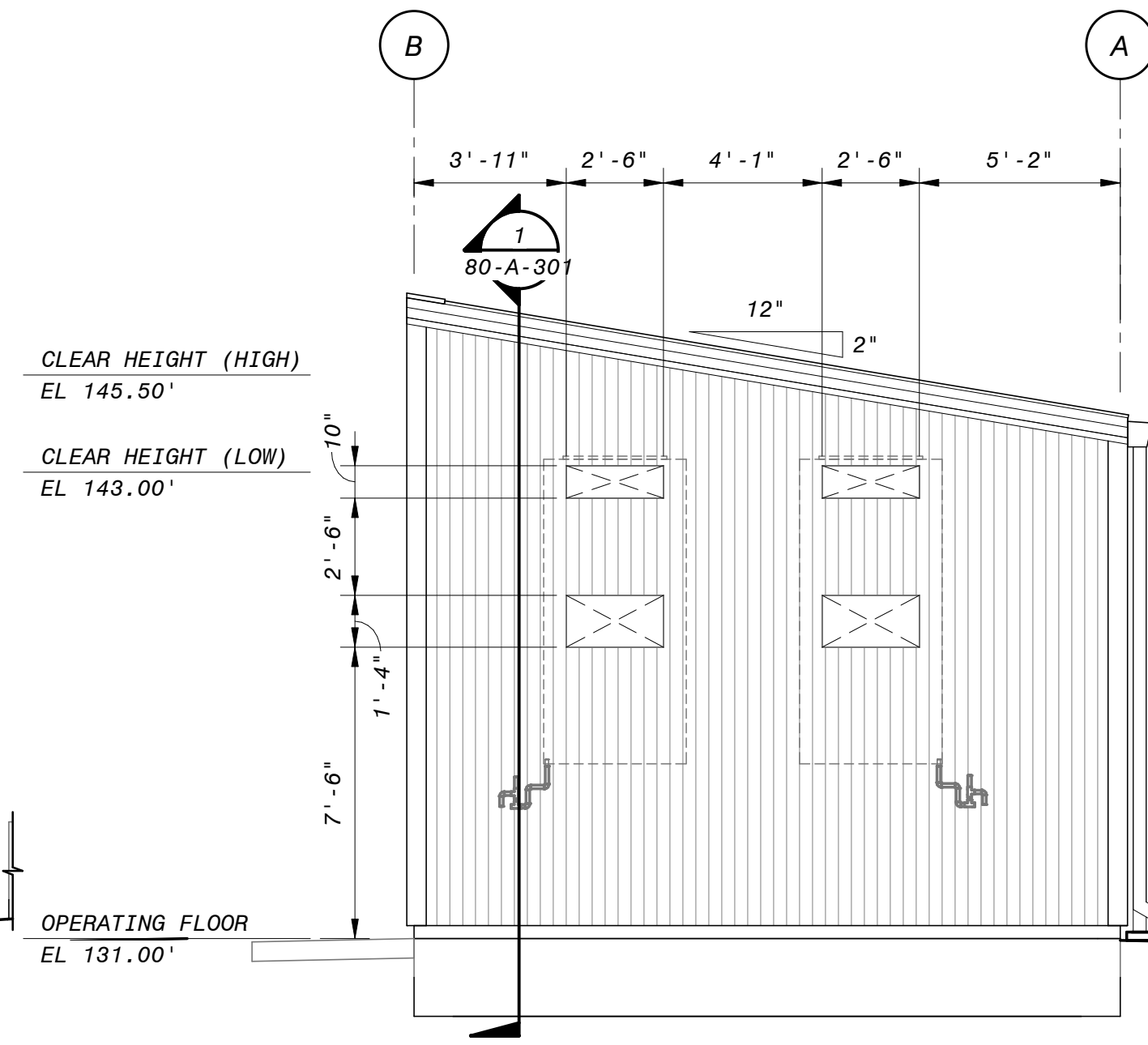
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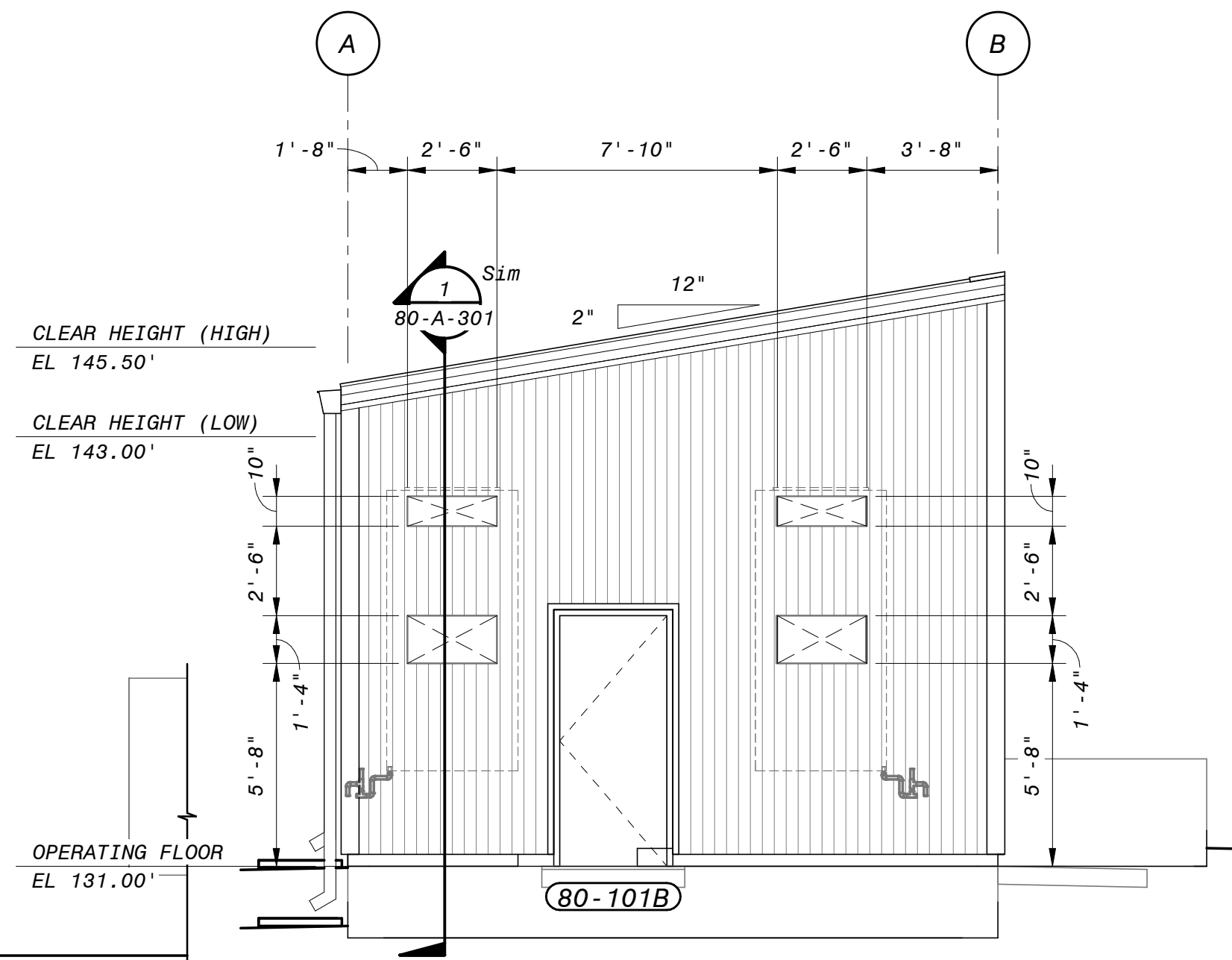
EAST ELEVATION
1/4" = 1'-0"



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



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



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

GENERAL SHEET NOTES

SHEET KEYNOTES



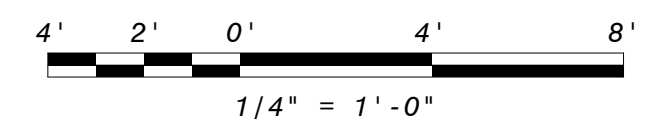
CITY OF MORRO BAY
MORRO BAY WATER
RECLAMATION FACILITY (WRF)
ELECTRICAL BUILDING
ARCHITECTURAL
BUILDING ELEVATIONS

DESIGNED: BDF
DETAILED: ANH
CHECKED: -
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DATE: 5/19/2020

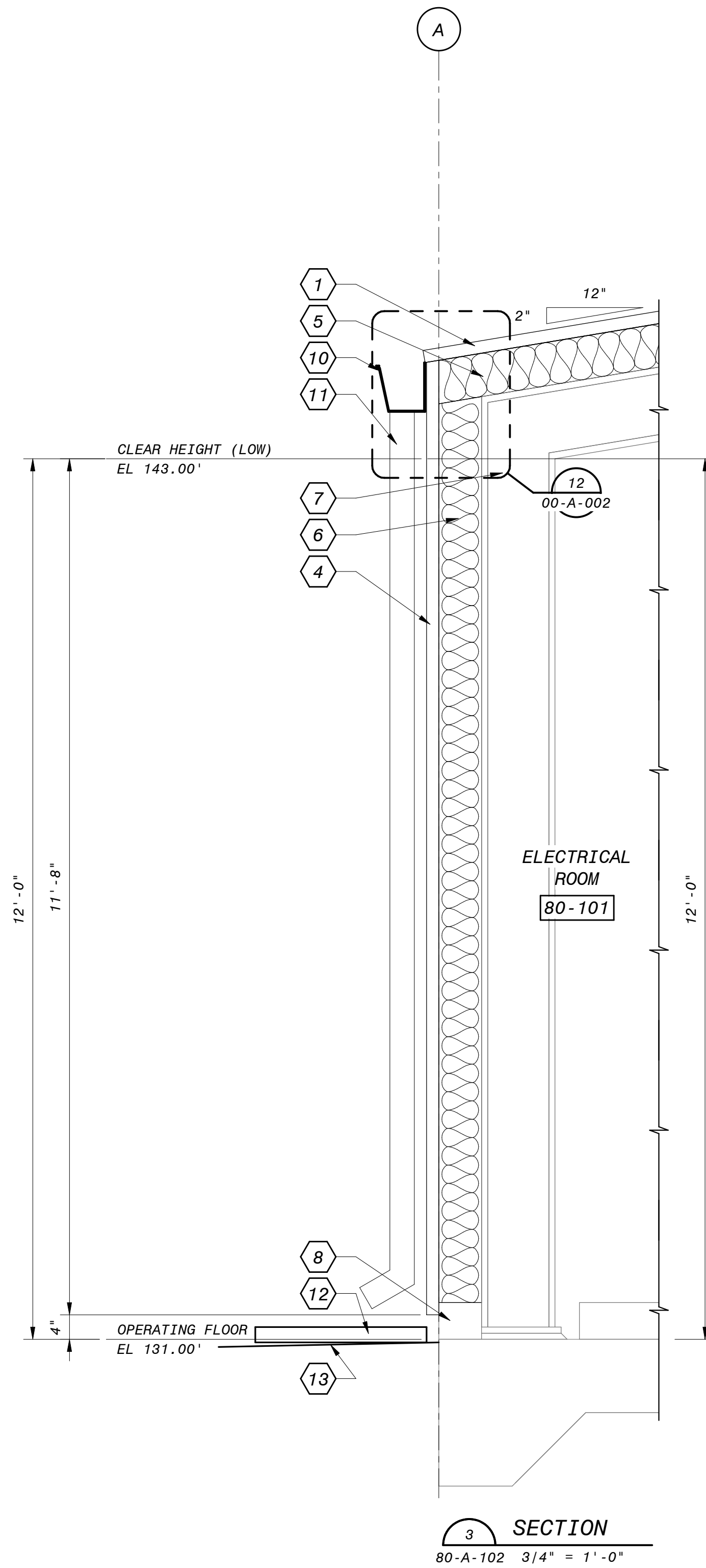
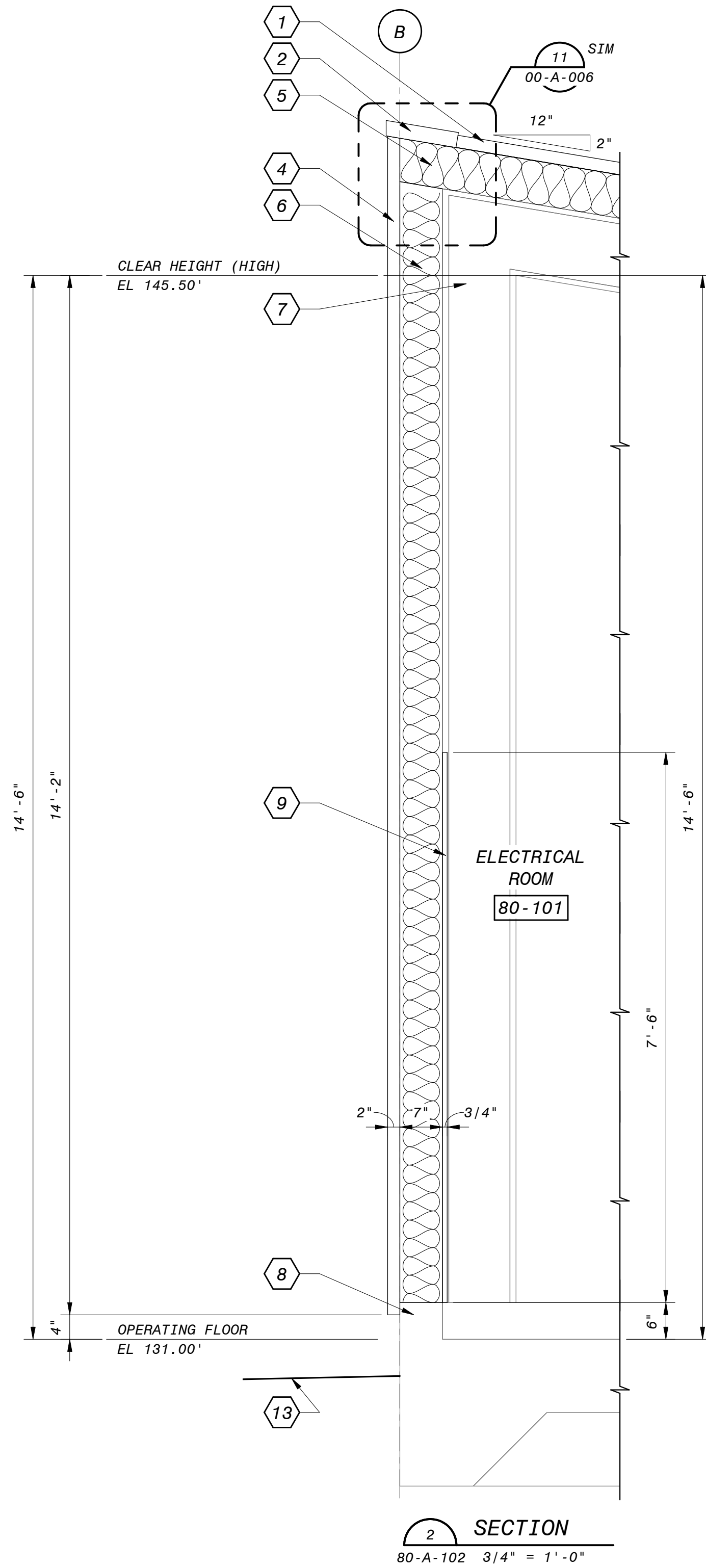
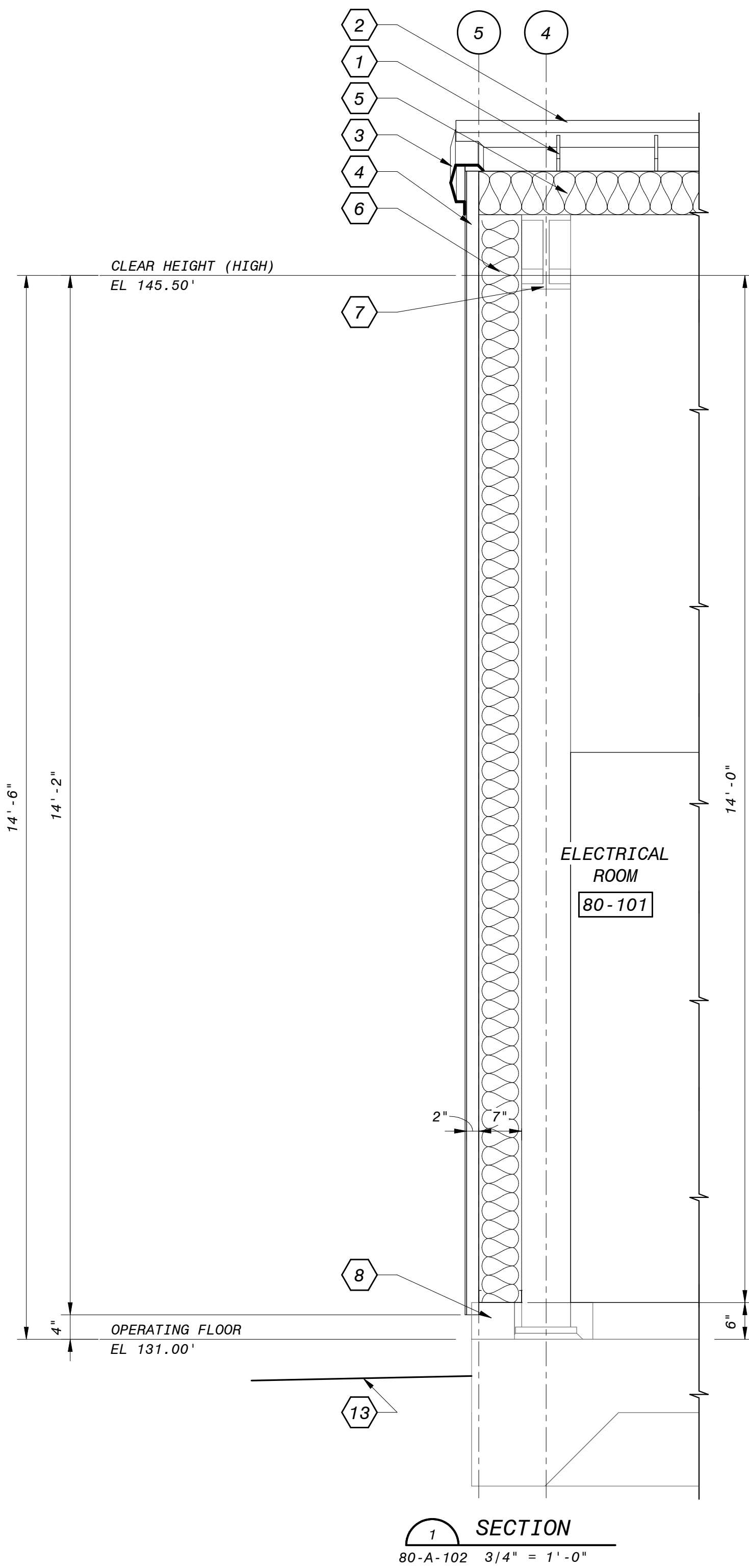
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IF THIS BAR DOES NOT
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PROJECT NO.
400530

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SHEET
273 OF 412



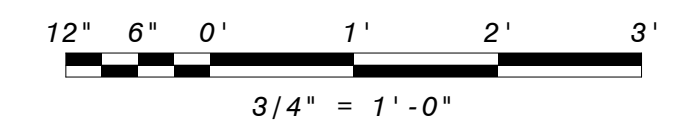
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GENERAL SHEET NOTES

SHEET KEYNOTES

1. METAL ROOFING PANELS
2. PRE-FINISHED METAL TOP FASCIA TRIM
3. PRE-FINISHED METAL RAKE TRIM
4. PRE-FINISHED RIBBED METAL SIDING
5. PURLIN SPACE WITH PINCH INSULATION (R-24)
6. WALL GIRT FRAMING WITH PINCH INSULATION (R-13)
7. PRE-ENGINEERED FRAME PER METAL BUILDING MANUFACTURER
8. CONCRETE PERIMETER CURB - SEE STRUCTURAL DRAWINGS
9. 3/4" FIRE RETARDANT TREATED PLYWOOD SHEATHING
10. PRE-FINISHED METAL FASCIA GUTTER
11. PRE-FINISHED METAL DOWNSPOUT
12. PRECAST CONCRETE SPLASH BLOCK
13. FINISHED GRADE



CITY OF MORRO BAY
MORRO BAY WATER
RECLAMATION FACILITY (WRF)
ELECTRICAL BUILDING
ARCHITECTURAL
WALL SECTIONS

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400530

80-A-301
SHEET
274 OF 412

ROOM FINISH SCHEDULE																			
ROOM No.	ROOM NAME	FLOOR		WALLS												CEILING			REMARKS
		MATERIAL	FINISH	NORTH			EAST			SOUTH			WEST			MATERIAL	FINISH	HEIGHT	
				MATERIAL	FINISH	BASE	MATERIAL	FINISH	BASE	MATERIAL	FINISH	BASE	MATERIAL	FINISH	BASE				
ELECTRICAL BUILDING																			
80-101	ELECTRICAL ROOM	CO	FS	EXP	FF	NO	EXP/PLY	FF	NO	EXP	FF	NO	EXP	FF	NO	EXP	FF	12' - 0"	

DOOR SCHEDULE															
DOOR ID	DOOR SIZE			DOOR							FRAME				REMARKS
No. (D)		WIDTH	HEIGHT	MATERIAL	HEAD	JAMB	SILL	TYPE (D)	HARDWARE	RATING	MATERIAL	HEAD	JAMB	DEPTH	
ELECTRICAL BUILDING															
80-101A	PR	3' - 0"	9' - 0"	FRP	30/00-A-001	33/00-A-001	40/00-A-001	A/A	16	-	FRP	2"	2"	5 3/4"	
80-101B		3' - 0"	7' - 0"	FRP	30/00-A-001	33/00-A-001	40/00-A-001	A	13	-	FRP	2"	2"	5 3/4"	

SCHEDULE LEGEND	
CO	- CONCRETE
EXP	- EXPOSED CONSTRUCTION
FF	- FACTORY FINISH
FRP	- FIBER REINFORCED PLASTIC
FS	- FLOOR SEALER
NO	- NONE
PLY	- PLYWOOD
PR	- PAIR

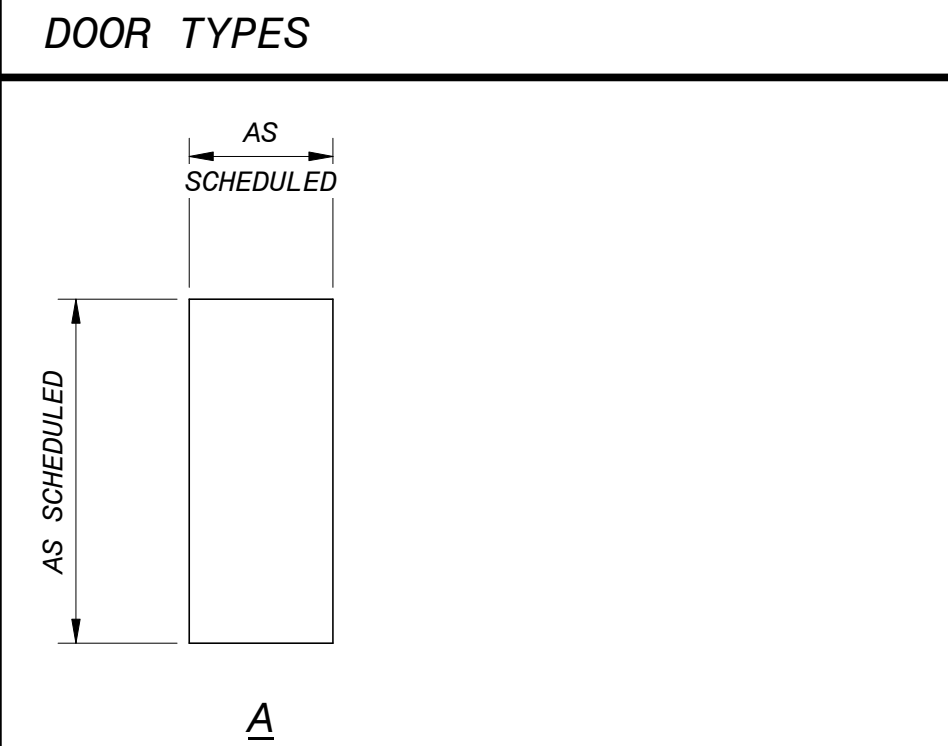


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CITY OF MORRO BAY
MORRO BAY WATER
RECLAMATION FACILITY (WRF)

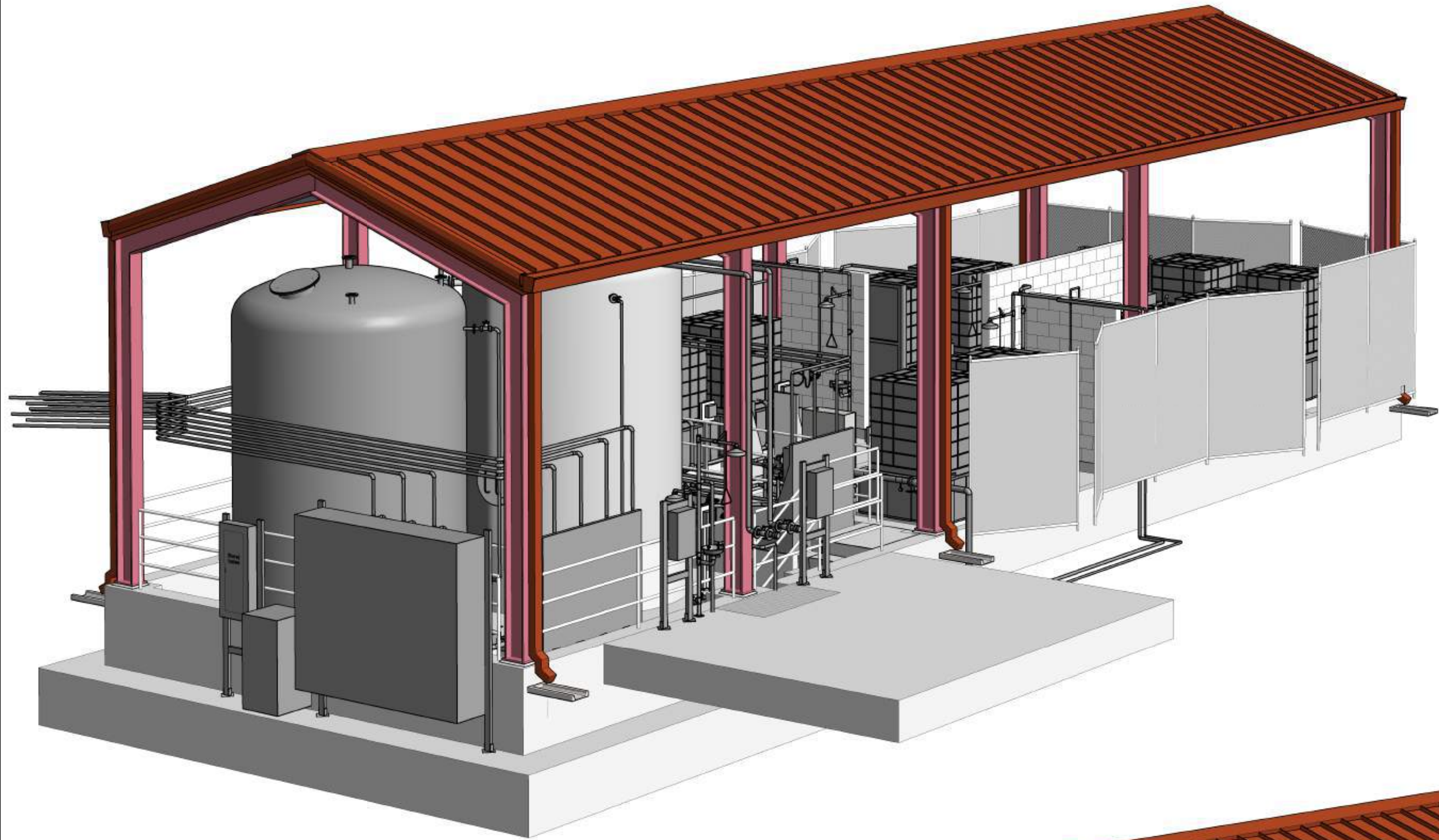
ELECTRICAL BUILDING
ARCHITECTURAL
SCHEDULES

DESIGNED: BDF
DETAILED: ANH
CHECKED: -
APPROVED: BDF
DATE: 5/19/2020

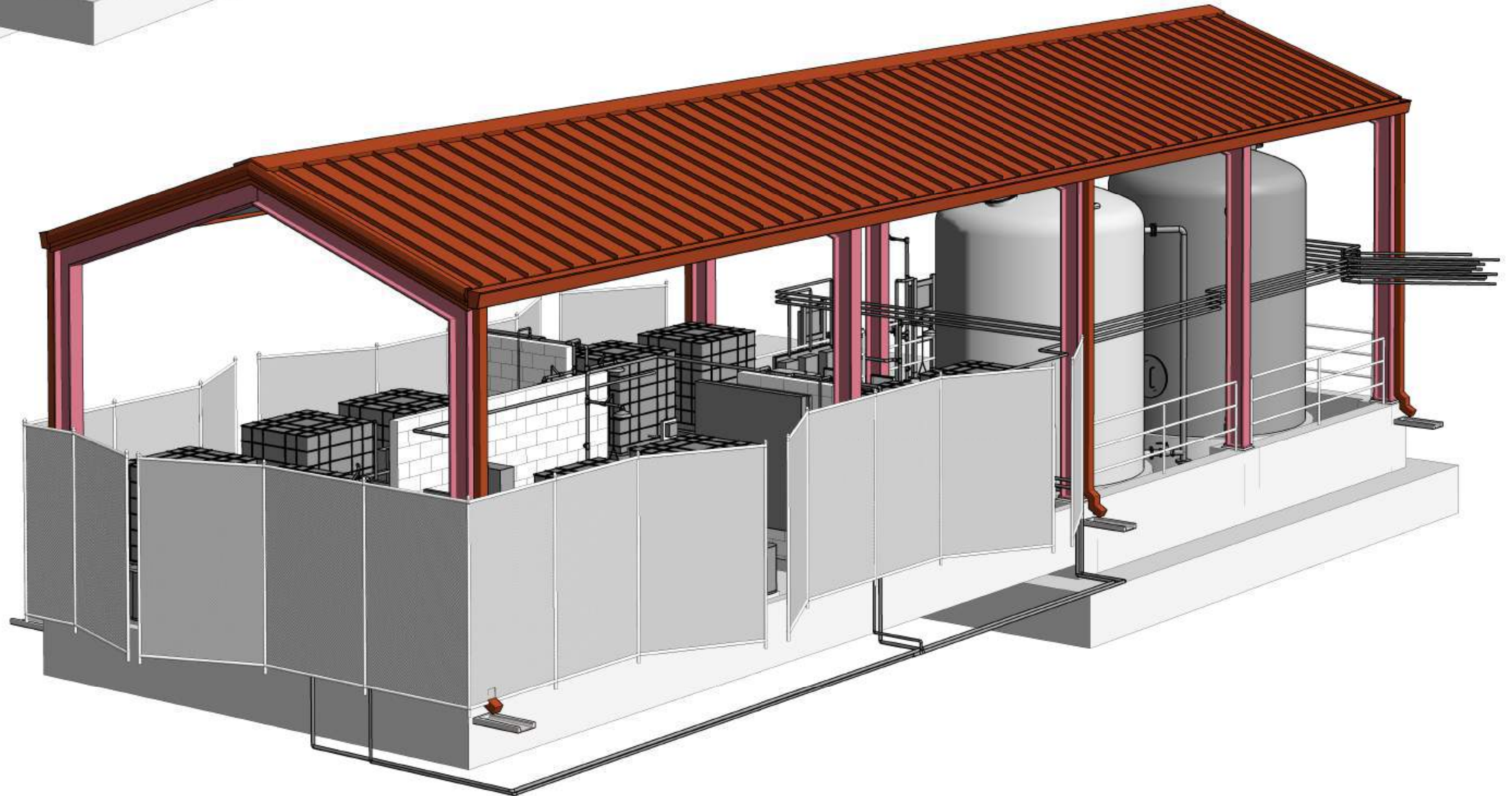
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IF THIS BAR DOES NOT
MEASURE 1" THEN DRAWING IS
NOT TO FULL SCALE

PROJECT NO.
400530

80-A-601
SHEET
275 OF 412



NORTHWEST PERSPECTIVE



SOUTHEAST PERSPECTIVE

04/05/20
PLOTTED: 5/14/2020 5:56:49 PM

0	EVB	BDF	EVB
NO.	BY	CHK	APP
ISSUED FOR CONSTRUCTION			
REVIEWS AND RECORD OF USE			
DATE			



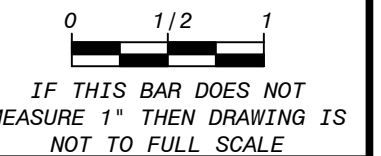
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SEIPLE
ARCHITECTS

JOINT VENTURE

FILANC
BLACK & VEATCH

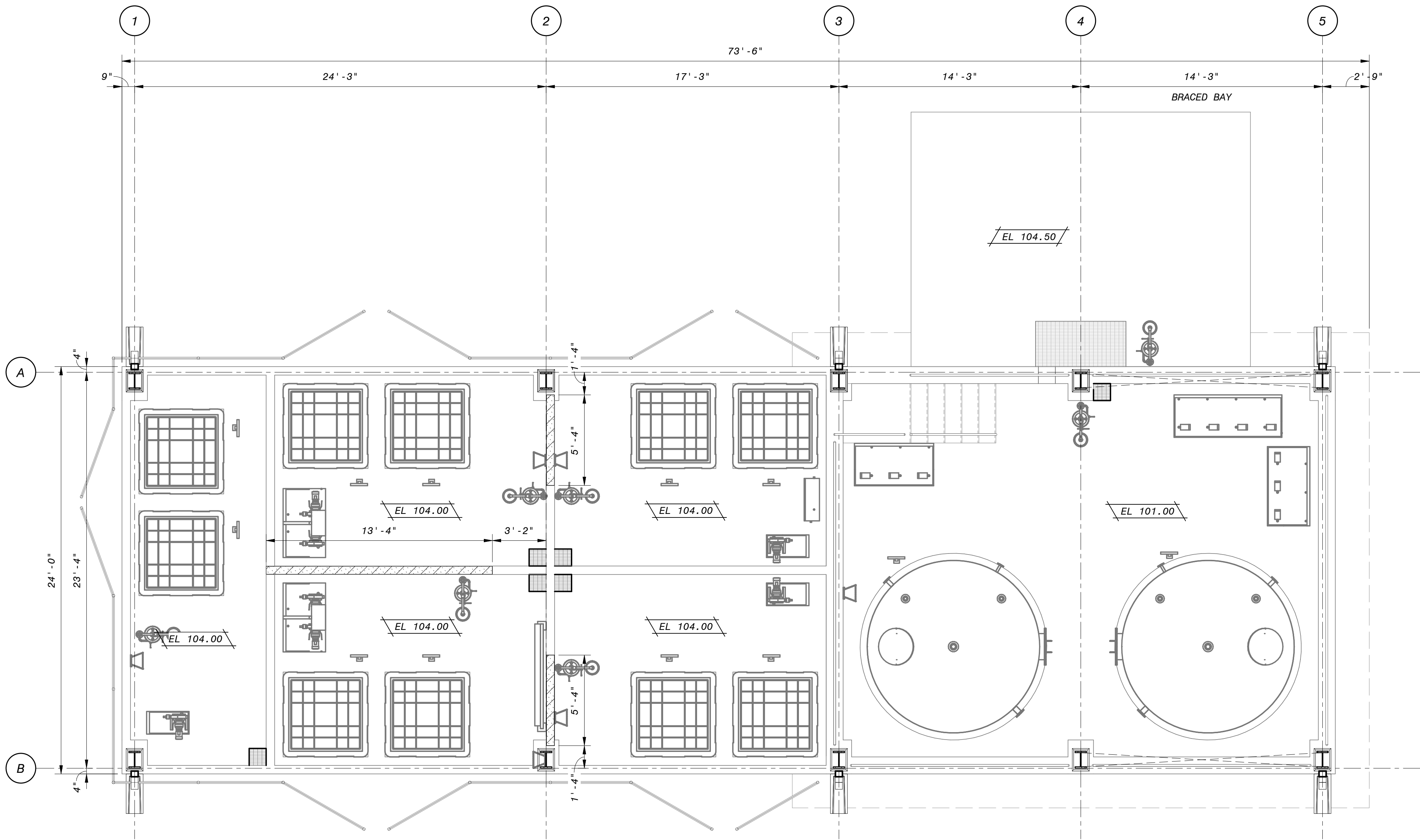
CITY OF MORRO BAY
MORRO BAY WATER
RECLAMATION FACILITY (WRF)
CHEMICAL FACILITY
ARCHITECTURAL
PERSPECTIVES

DESIGNED: BDF
DETAILED: ANH
CHECKED: -
APPROVED: BDF
DATE: 5/19/2020



PROJECT NO.
400530

90-A-001
SHEET
276 OF 412



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

GENERAL SHEET NOTES

SHEET KEYNOTES



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CITY OF MORRO BAY
MORRO BAY WATER
RECLAMATION FACILITY (WRF)
CHEMICAL FACILITY
ARCHITECTURAL
OPERATING FLOOR PLAN

DESIGNED: BDF
DETAILED: ANH
CHECKED: -
APPROVED: BDF
DATE: 5/19/2020

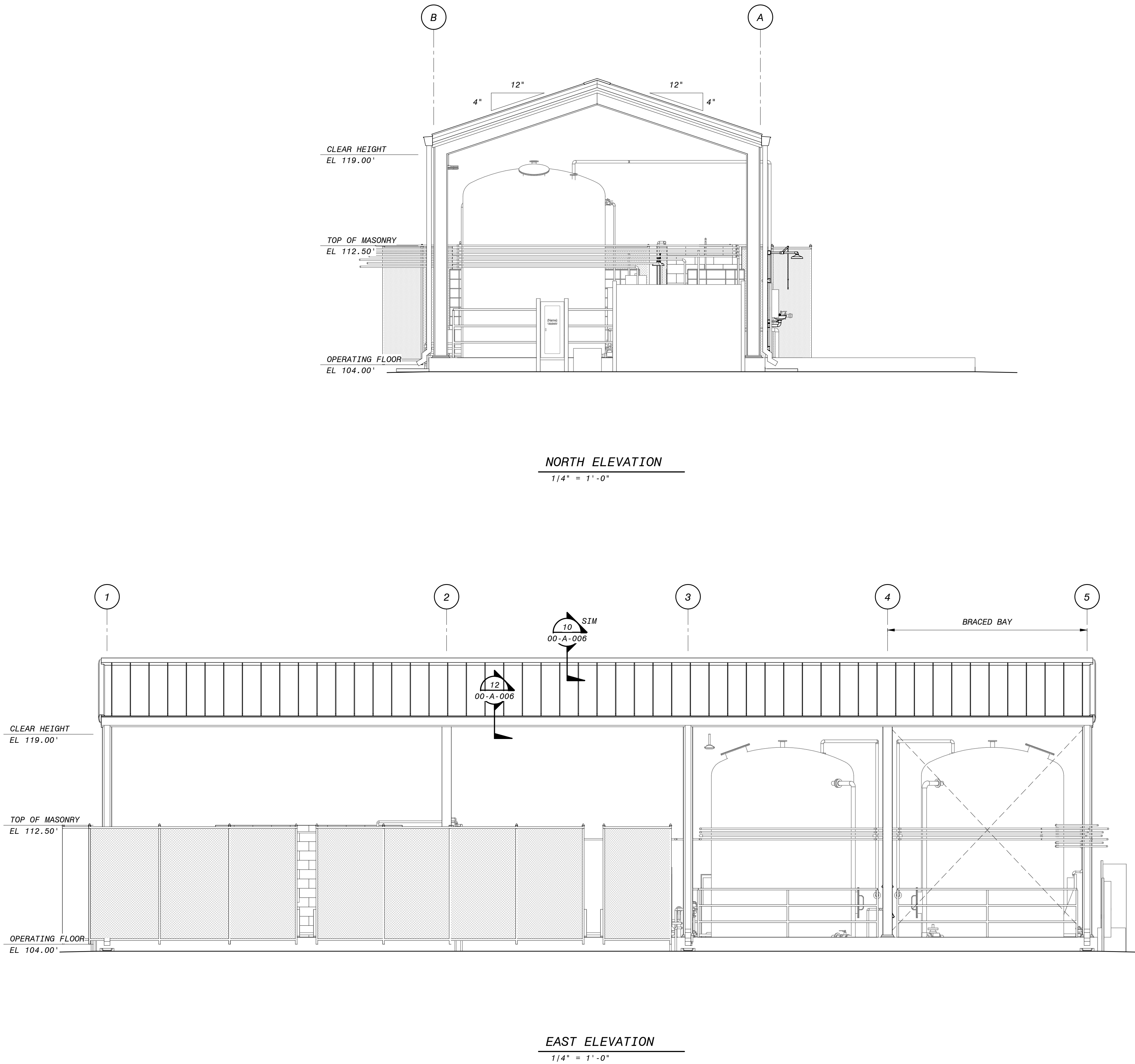
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IF THIS BAR DOES NOT
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NOT TO FULL SCALE

PROJECT NO.
400530

90-A-101
SHEET
277 OF 412

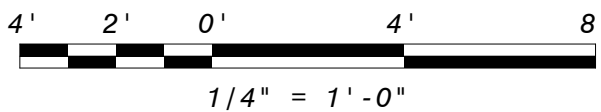
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1/4" = 1'-0"

04/05/20
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GENERAL SHEET NOTES

SHEET KEYNOTES



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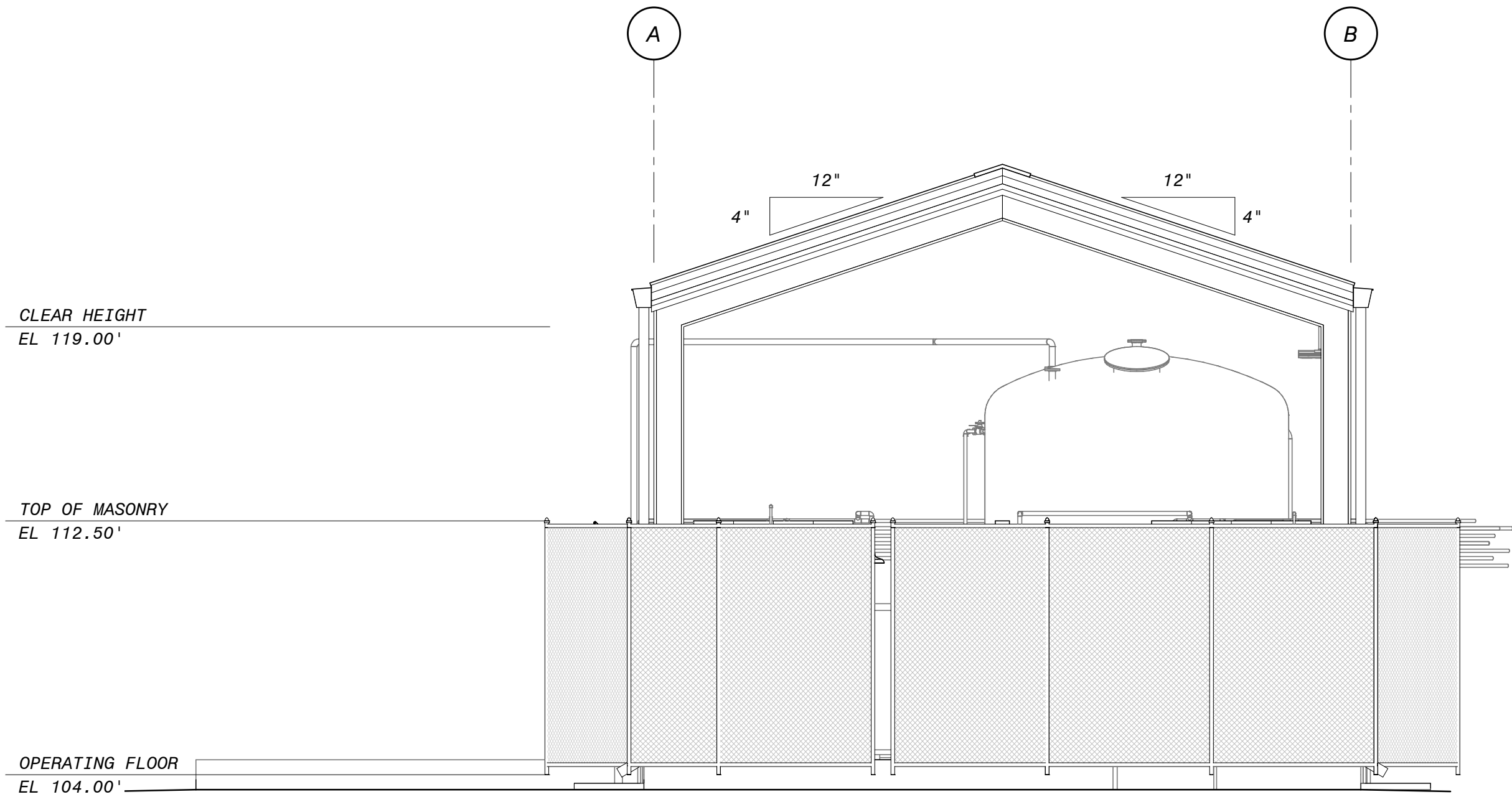
CITY OF MORRO BAY
MORRO BAY WATER
RECLAMATION FACILITY (WRF)
CHEMICAL FACILITY
ARCHITECTURAL
ELEVATIONS

DESIGNED: BDF
DETAILED: ANH
CHECKED: -
APPROVED: BDF
DATE: 5/19/2020

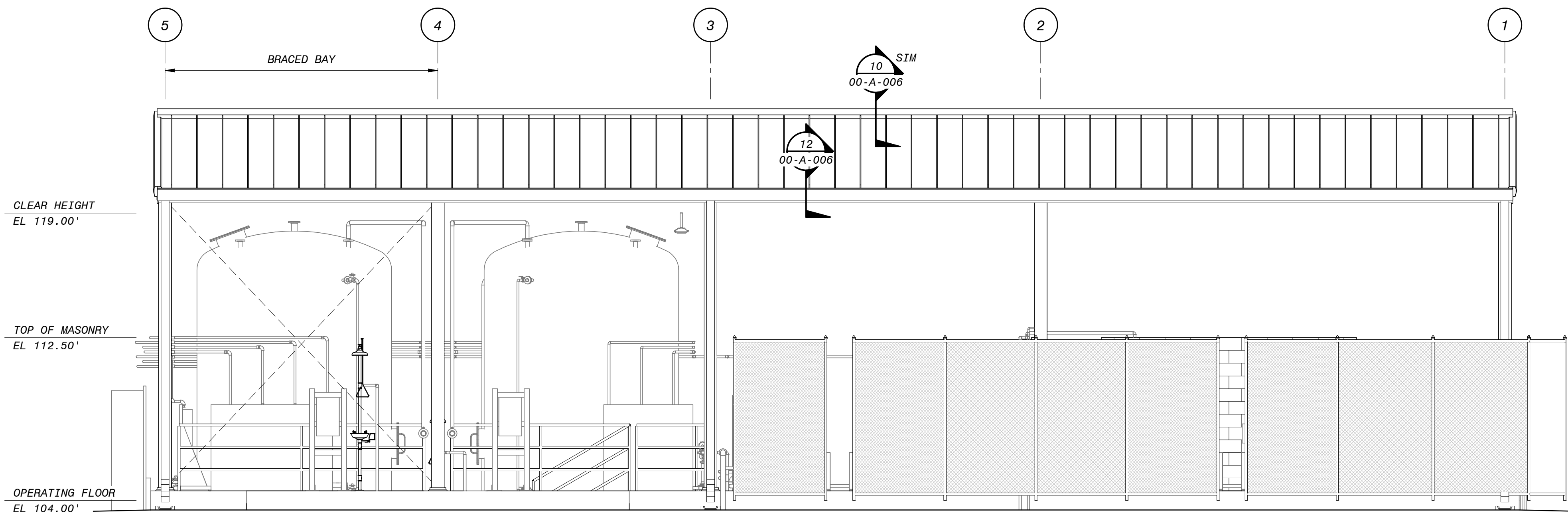
IF THIS BAR DOES NOT
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NOT TO FULL SCALE

PROJECT NO.
400530
90-A-201
SHEET
278 OF 412

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



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

GENERAL SHEET NOTES

SHEET KEYNOTES



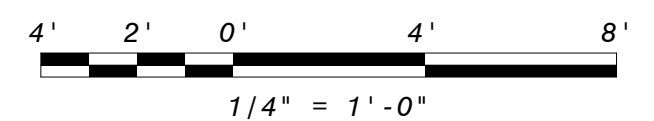
CITY OF MORRO BAY
MORRO BAY WATER
RECLAMATION FACILITY (WRF)
CHEMICAL FACILITY
ARCHITECTURAL
ELEVATIONS

DESIGNED: BDF
DETAILED: ANH
CHECKED: -
APPROVED: BDF
DATE: 5/19/2020

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

PROJECT NO.
400530

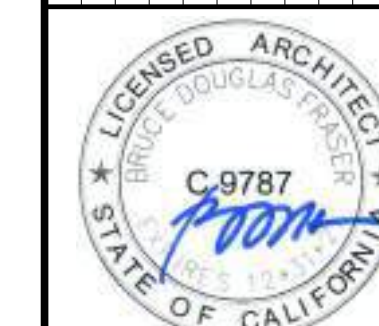
90-A-202
SHEET
279 OF 412





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JOINT VENTURE

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CITY OF MORRO BAY
MORRO BAY WATER
RECLAMATION FACILITY (WRF)

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APPROVED: BDF
DATE: 5/19/2020

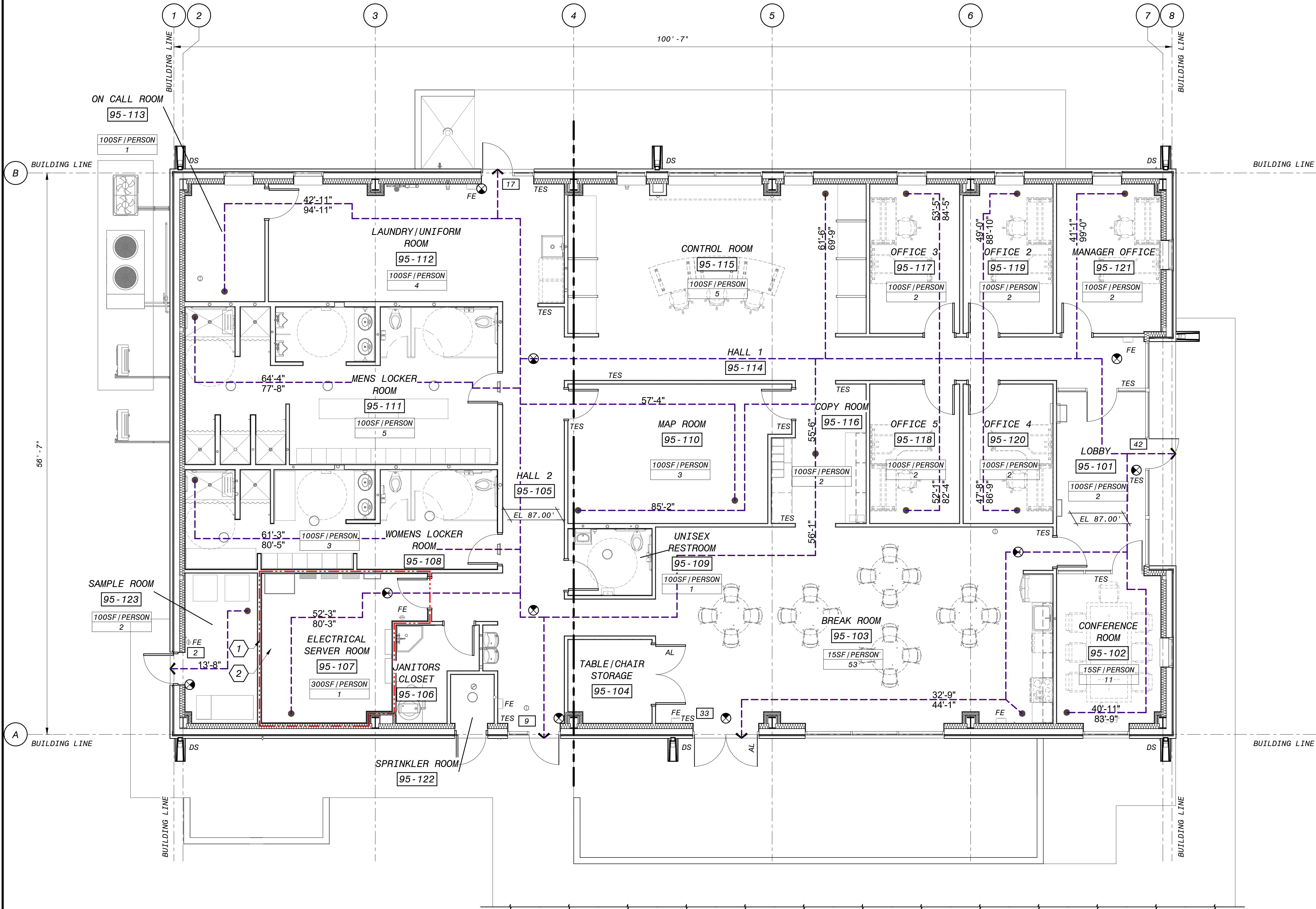
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IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE

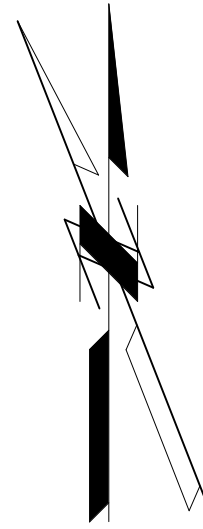
PROJECT NO.
400530

95-A-001

SHEET
280 OF 412



OPERATING FLOOR - LIFE SAFETY PLAN
3/16" = 1'-0"



GENERAL SHEET NOTES

1. BUILDING CONSTRUCTION TYPE IS V-B OCCUPANCY IS B (OFFICE)
2. WALLS CEILINGS AND ROOFS NOT OTHERWISE IDENTIFIED ARE NOT FIRE RATED

SHEET KEYNOTES

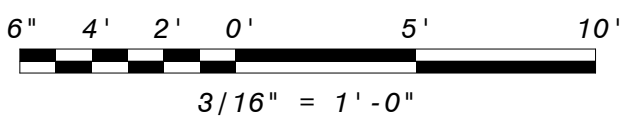
1. 2 HOUR VERTICAL FIRE BARRIER
2. 2 HOUR HORIZONTAL FIRE BARRIER

LIFE SAFETY LEGEND

- FIRE EXTINGUISHER (FE)
- COMMON PATH OF TRAVEL
- PATH OF EGRESS TRAVEL
- OCCUPANTS PER SF
- OCCUPANT LOAD
- CUMULATIVE OCCUPANT LOAD AT EXIT
- EXIT SYMBOL
- TACTILE EXIT SIGN
- 2 HOUR FIRE BARRIER
- ACTIVE LEAF
- DOWNSPOUT

BUILDING CODE ANALYSIS

OPERATIONS BUILDING	
APPLICABLE BUILDING CODES: 2016 CALIFORNIA BUILDING STANDARDS CODE	
OCCUPANCY	B
ACTUAL FLOOR AREA	5,825 SF TOTAL
ACTUAL HEIGHT	1 STORY (20.33 FT)
TYPE OF CONSTRUCTION	TYPE V-B
ALLOWABLE HEIGHT	2 STORIES (55 FT)
ALLOWABLE AREA	36,000 SF
DESIGN OCCUPANT LOAD	103 PERSONS
ADA ACCESSIBILITY	YES
OCCUPANCY SEPARATION	NOT REQUIRED
FIRE SPRINKLERS	YES



NO.	BY	DATE	ISSUED FOR CONSTRUCTION	REVISIONS AND RECORD OF USE
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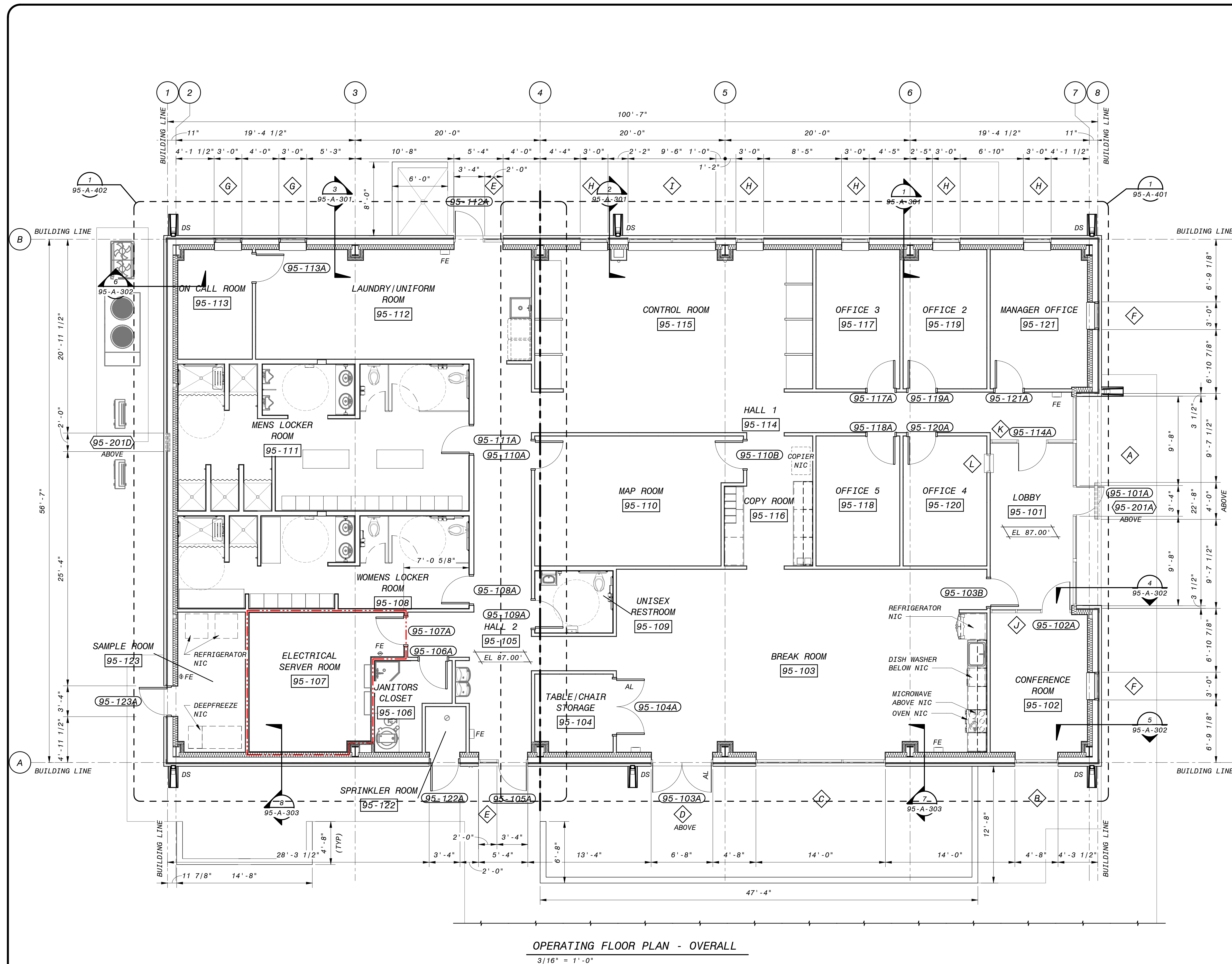


CITY OF MORRO BAY
MORRO BAY WATER
RECLAMATION FACILITY (WRF)
OPERATIONS BUILDING
ARCHITECTURAL
OPERATING FLOOR - LIFE SAFETY PLAN

DESIGNED: BDF
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APPROVED: BDF
DATE: 5/19/2020

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






95-A-101
SHEET
283 OF 412



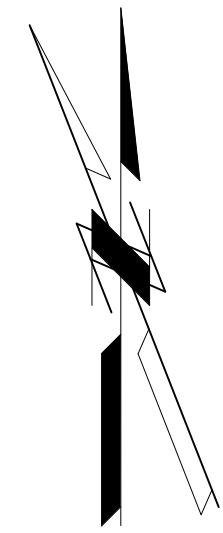
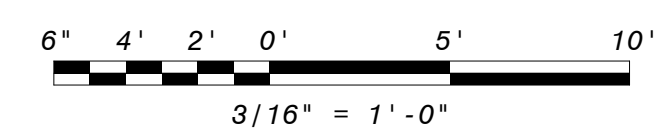
GENERAL SHEET NOTES

 SHEET KEYNOTES

LEGEND

	ACCESSORY ITEM
	DOOR
	ACCESS HATCH
	LABORATORY CABINET
	LOUVER
	WALL or WALL PANEL TYPE
	WINDOW
	WINDOW SYSTEM or FRAME TYPE

ROOM NAME
101 ROOM NAME & NUMBER



**CITY OF MORRO BAY
MORRO BAY WATER
RECLAMATION FACILITY (WRF)**

OPERATIONS BUILDING
ARCHITECTURAL
OPERATING FLOOR PLAN

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CHECKED: -
APPROVED: BDF
DATE: 5/19/2020

PROJECT NO.
400530

95-A-102
SHEET
284 OF 412

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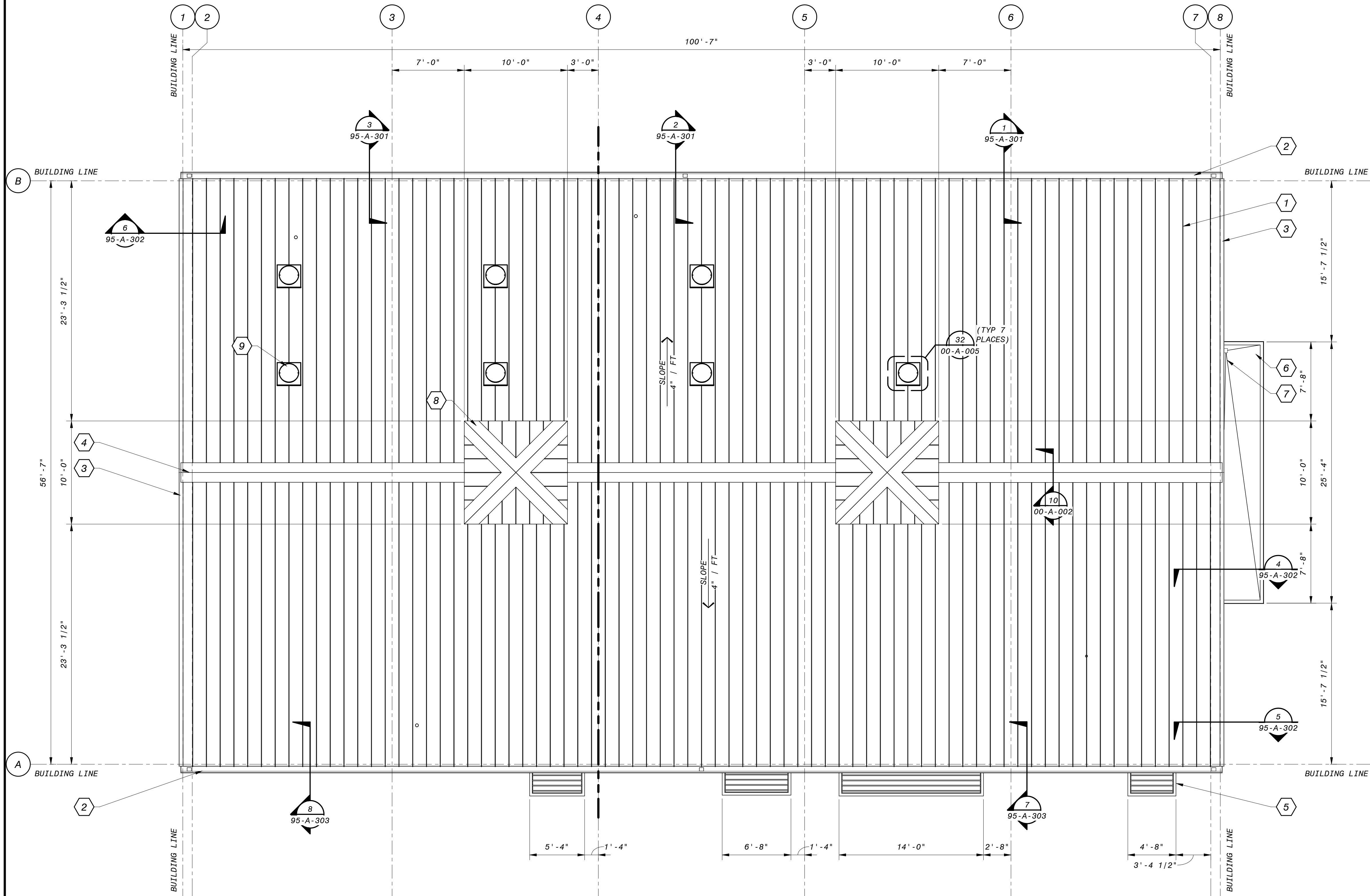
JOINT VENTURE

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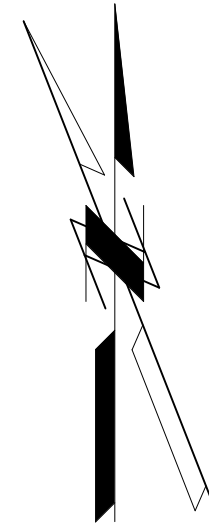
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ROOF PLAN

3/16" = 1'-0"



GENERAL SHEET NOTES

SHEET KEYNOTES

1. PRE-FINISHED METAL ROOFING PANELS
2. PRE-FINISHED METAL FASCIA GUTTER
3. PRE-FINISHED METAL RAKE TRIM
4. PRE-FINISHED METAL RIDGE CAP
5. CANTILEVERED METAL SUNSHADE
6. SINGLE-PLY ROOFING OVER TAPERED INSULATION AT CANTILEVERED ENTRY COVER
7. DECK DRAIN TO DOWNSPOUT
8. VENTILATION CUPOLA
9. DUCTED SKYLIGHT DOME

CITY OF MORRO BAY
MORRO BAY WATER
RECLAMATION FACILITY (WRF)

OPERATIONS BUILDING
ARCHITECTURAL
ROOF PLAN

DESIGNED: BDF
DETAILED: ANH
CHECKED: -
APPROVED: BDF
DATE: 5/19/2020

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

PROJECT NO.
400530

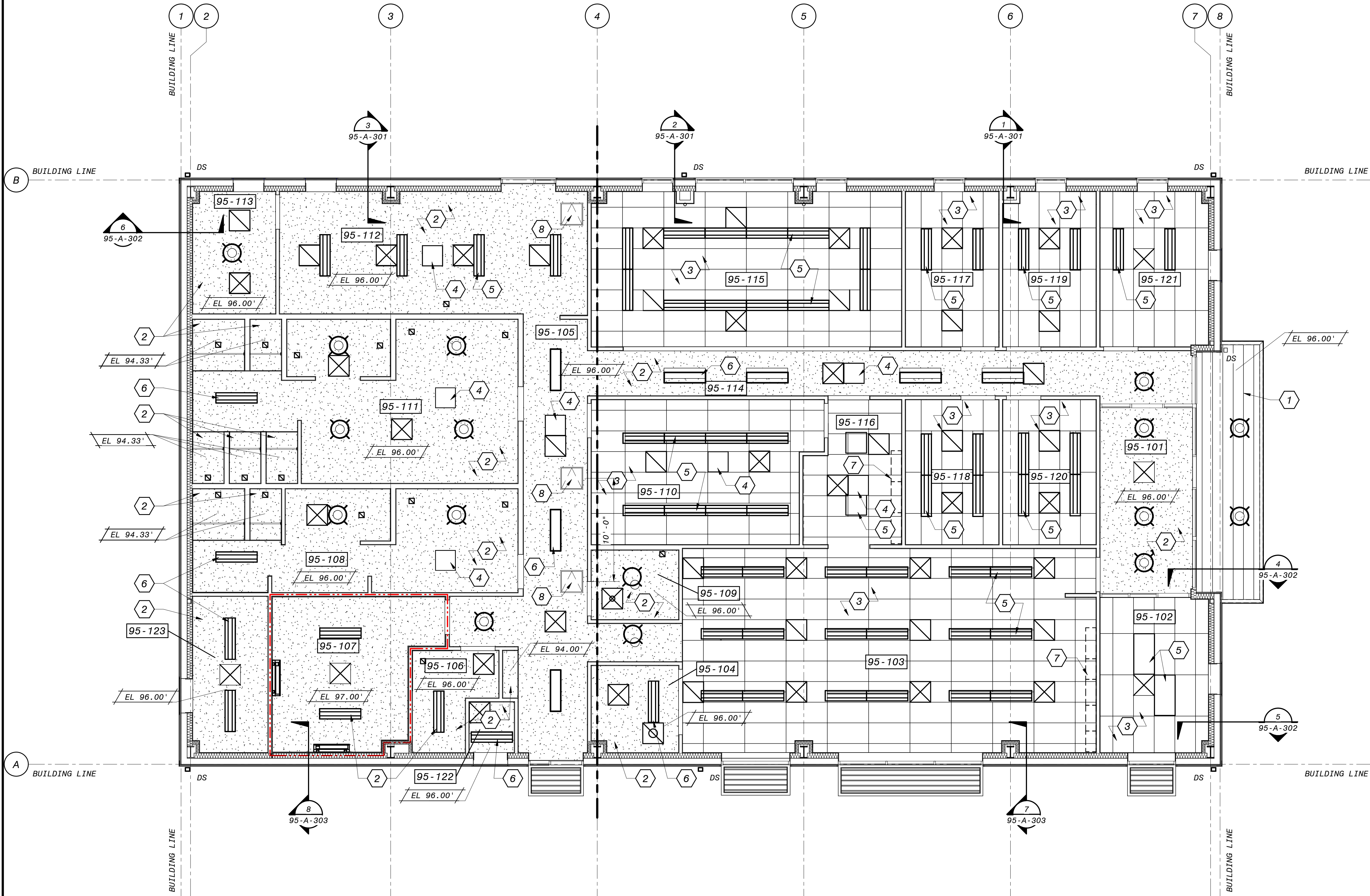
95-A-103
SHEET
285 OF 412



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0 BDF EVB

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REFLECTED CEILING PLAN
3/16" = 1'-0"

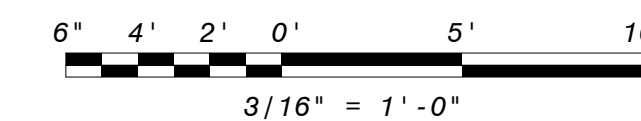
GENERAL SHEET NOTES

SHEET KEYNOTES

1. PRE-FINISHED METAL SOFFIT PANEL
2. PAINTED GYPSUM CEILING
3. SUSPENDED ACOUSTICAL PANEL CEILING
4. DIFFUSER FOR DUCTED SKYLIGHT
5. RECESSED LIGHT FIXTURE
6. SURFACE LIGHT FIXTURE
7. UPPER WALL CABINET
8. 24" x 24" HINGED METAL ACCESS PANEL

CEILING PLAN LEGEND

- LIGHT FIXTURES
- EXHAUST DIFFUSER OR
RETURN DIFFUSER
- SUPPLY DIFFUSER



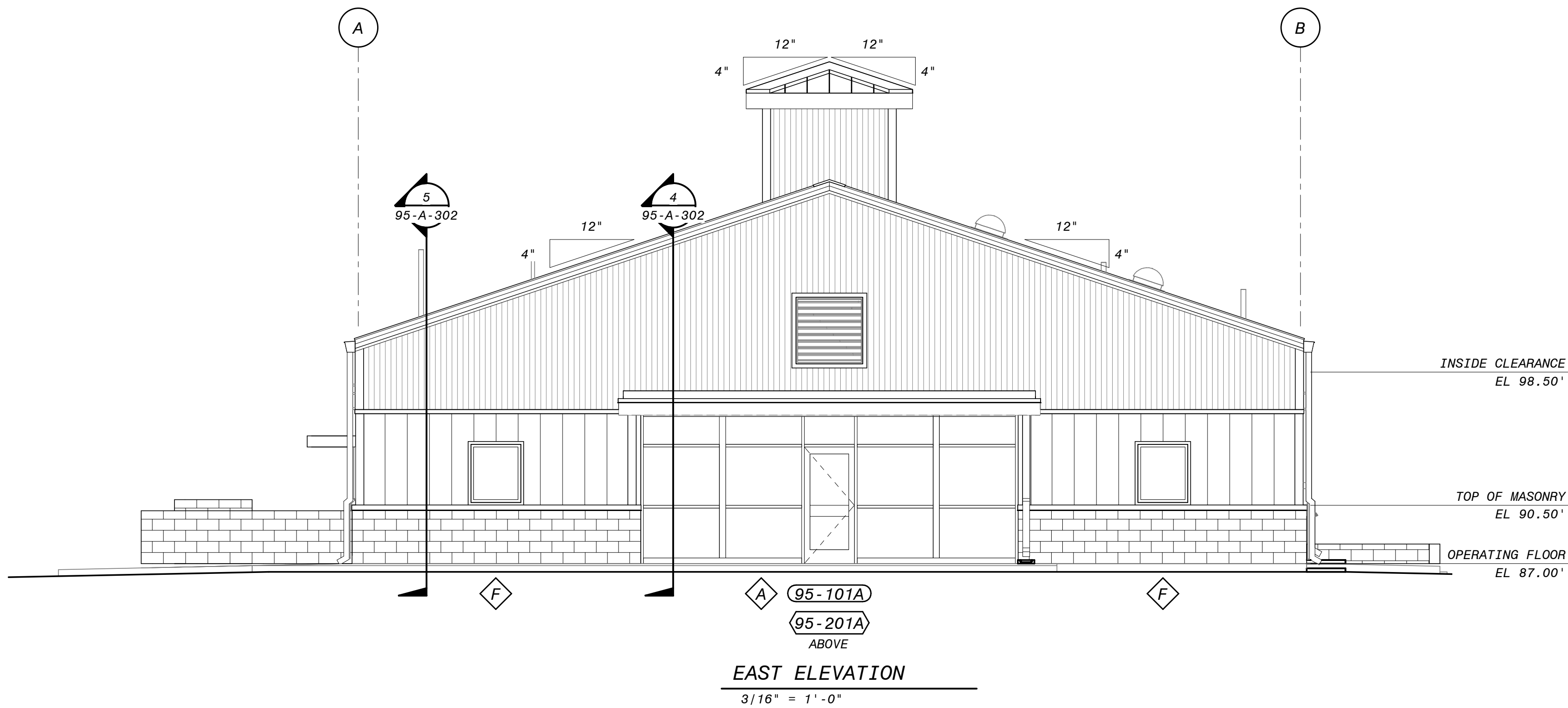
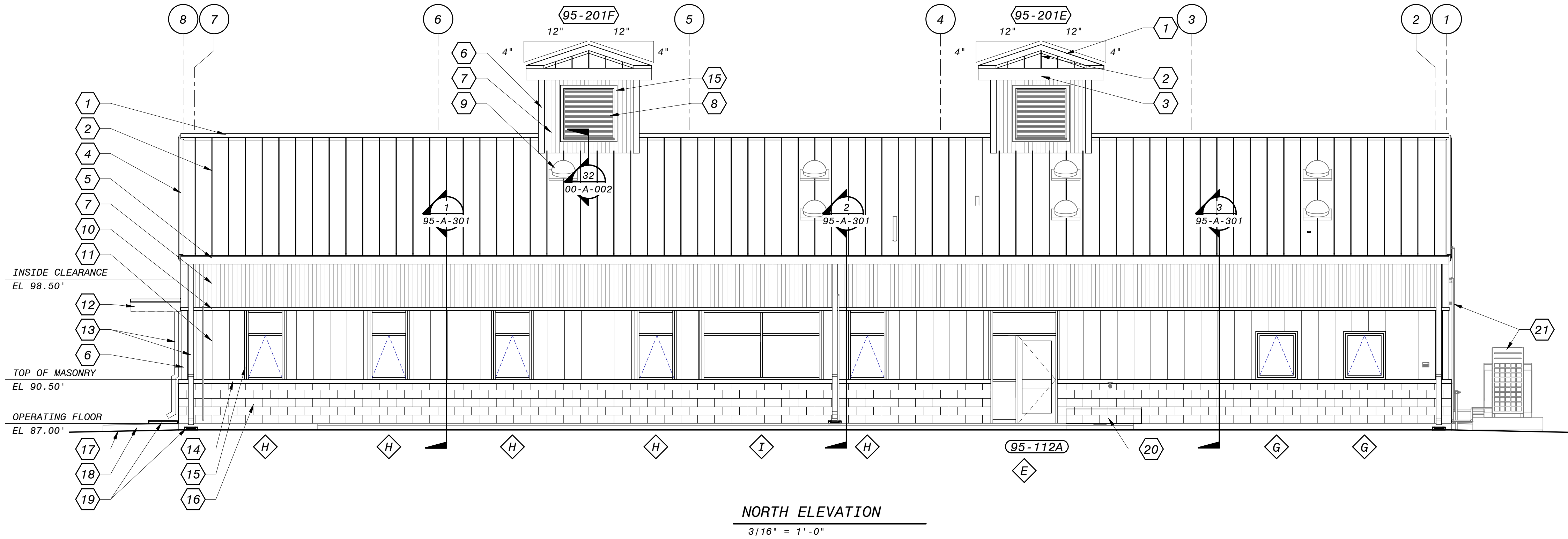
CITY OF MORRO BAY
MORRO BAY WATER
RECLAMATION FACILITY (WRF)
OPERATIONS BUILDING
ARCHITECTURAL
REFLECTED CEILING PLAN

DESIGNED: BDF
DETAILED: ANH
CHECKED: -
APPROVED: BDF
DATE: 5/19/2020
PROJECT NO.
400530
95-A-104
SHEET
286 OF 412



NO.	BY	DATE	REVISIONS AND RECORD OF USE
0	BDF	5/19/2020	ISSUED FOR CONSTRUCTION
1	BY		REVISIONS AND RECORD OF USE

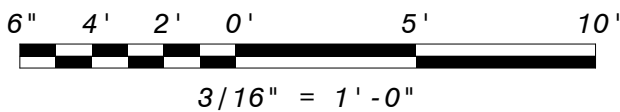
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GENERAL SHEET NOTES

SHEET KEYNOTES

- PRE-FINISHED METAL RIDGE CAP
- PRE-FINISHED METAL ROOFING PANELS
- PRE-FINISHED METAL FASCIA TRIM
- PRE-FINISHED METAL RAKE TRIM
- PRE-FINISHED METAL FASCIA GUTTER
- PRE-FINISHED METAL CORNER TRIM
- PRE-FINISHED RIBBED METAL SIDING
- PRE-FINISHED METAL LOUVER - SEE LOUVER SCHEDULE (TYP)
- ROOF DOME FOR DUCTED SKYLIGHT
- PRE-FINISHED METAL TRANSITION TRIM
- PRE-FINISHED METAL PANEL SIDING
- CANTILEVERED ENTRY ROOF
- PRE-FINISHED METAL DOWNSPOUT
- PAINTED METAL FLASHING
- PRE-FINISHED METAL TRIM
- 8x8x16 BURNISHED CONCRETE BLOCK
- FINISH GRADE
- CONCRETE FLATWORK BEYOND
- PRECAST CONCRETE SPLASH BLOCK
- BURNISHED CONCRETE BLOCK WALL AT WASH DOWN BASIN
- HVAC EQUIPMENT



CITY OF MORRO BAY
MORRO BAY WATER
RECLAMATION FACILITY (WRF)
OPERATIONS BUILDING
ARCHITECTURAL
BUILDING ELEVATIONS

DESIGNED: BDF
DETAILED: ANH
CHECKED: -
APPROVED: BDF
DATE: 5/19/2020

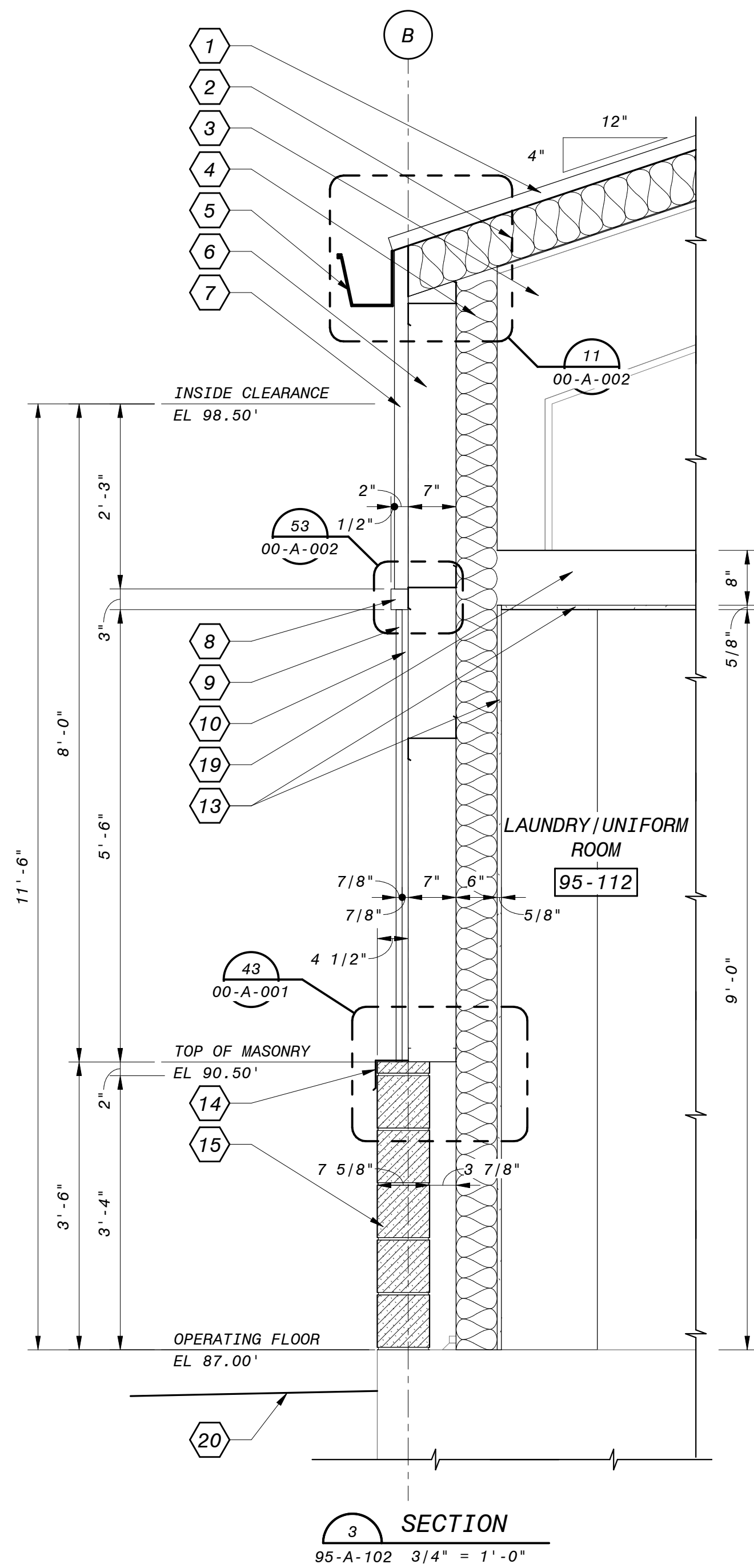
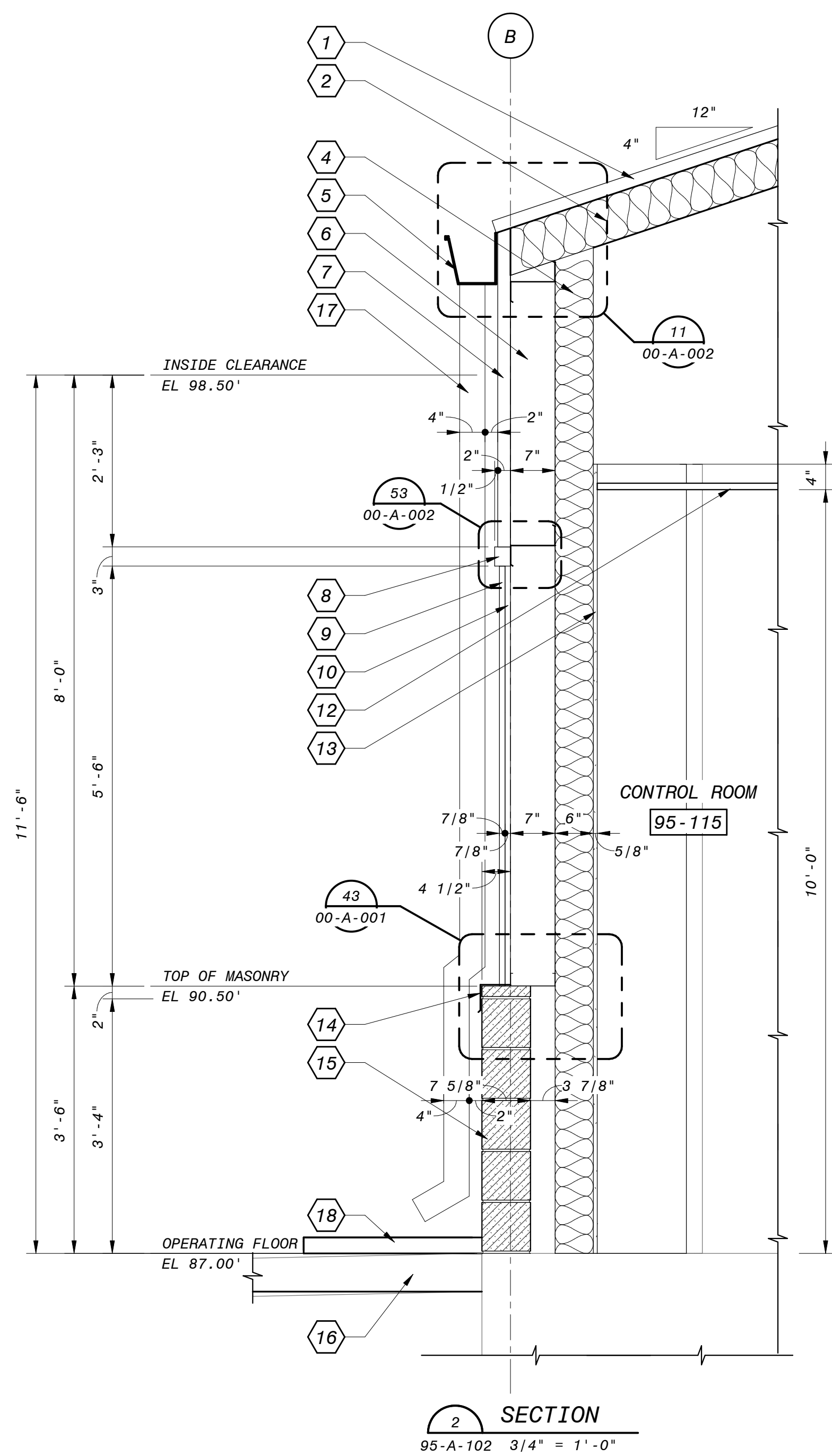
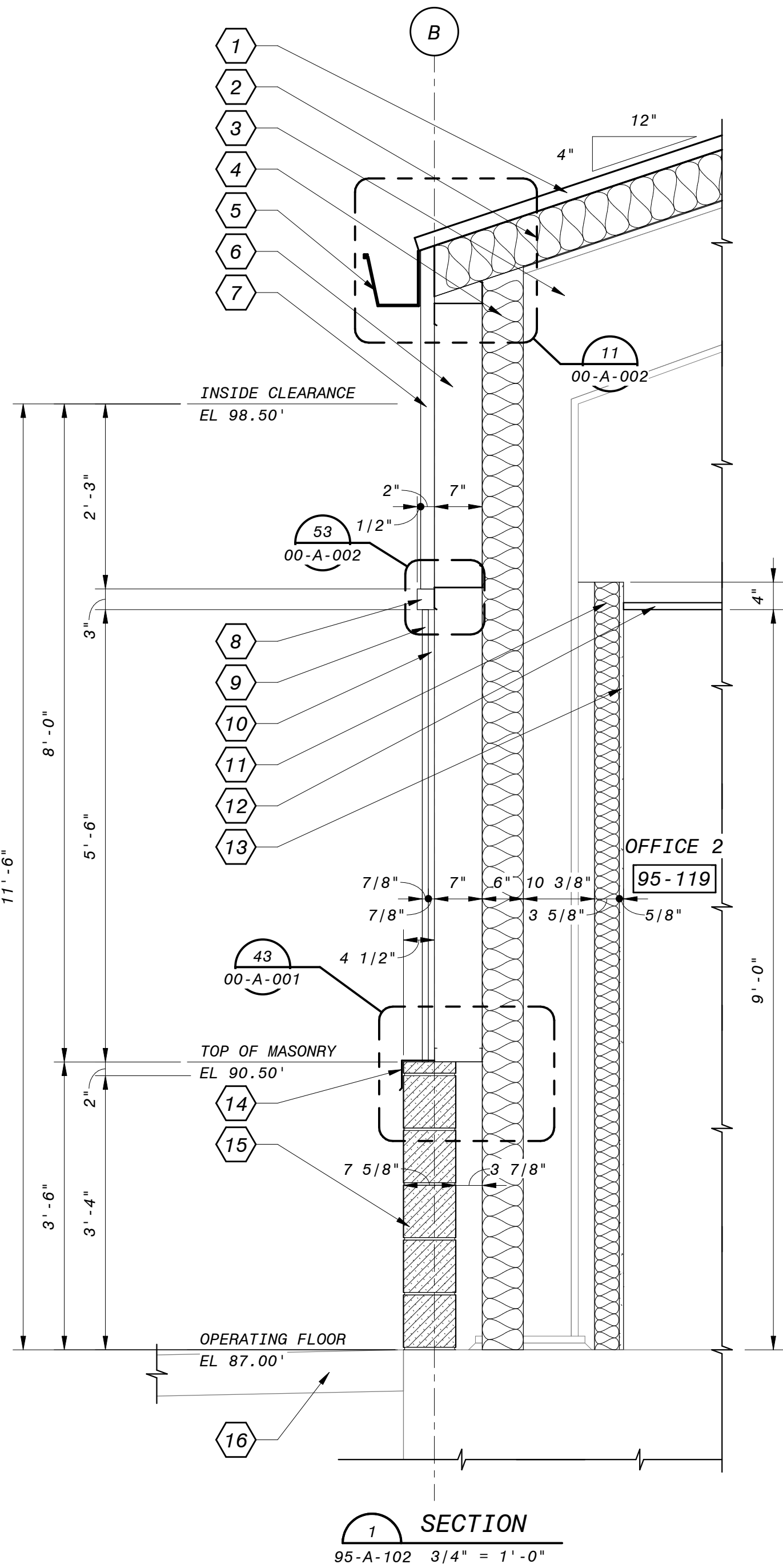
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IF THIS BAR DOES NOT
MEASURE 1" THEN DRAWING IS
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PROJECT NO.
400530

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SHEET
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5/19/2020 ISSUED FOR CONSTRUCTION
DATE
NO. BY
0 BDF
100 APP

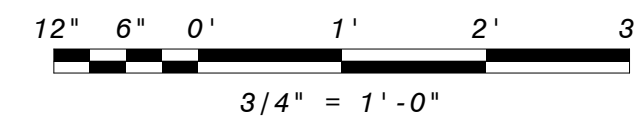


GENERAL SHEET NOTES

- FOR VERTICAL REINFORCING AND BOND BEAMS IN MASONRY DESIGN - SEE STRUCTURAL DRAWINGS
- FOR HORIZONTAL JOINT REINFORCING - SEE SPECIFICATION SECTION 04200

SHEET KEYNOTES

- METAL ROOFING PANELS
- PURLIN SPACE WITH PINCH INSULATION (R-30)
- PRE-ENGINEERED FRAME PER METAL BUILDING MANUFACTURER
- METAL STUD WALL WITH 5-1/2" BATT INSULATION (R-21)
- PRE-FINISHED FASCIA GUTTER
- WALL GIRT SPACE
- PRE-FINISHED RIBBED METAL SIDING
- PRE-FINISHED METAL TRANSITION TRIM
- PRE-FINISHED METAL FLAT PANEL SIDING
- HORIZONTAL FURRING CHANNELS
- METAL STUD WALL WRAPPING STRUCTURAL COLUMN WITH 3-1/2" BATT INSULATION (R-13)
- SUSPENDED ACOUSTIC TILE CEILING
- 5/8" GYPSUM BOARD
- PAINTED METAL "Z" FLASHING
- BURNISHED 8x8x16 CONCRETE BLOCK
- CONCRETE FLATWORK WHERE OCCURS
- PRE-FINISHED METAL DOWNSPOUT
- PRECAST CONCRETE SPLASH BLOCK
- METAL C-JOIST CEILING FRAMING
- FINISH GRADE



CITY OF MORRO BAY
MORRO BAY WATER
RECLAMATION FACILITY (WRF)

OPERATIONS BUILDING
ARCHITECTURAL
WALL SECTIONS

DESIGNED: BDF
DETAILED: ANH
CHECKED: -
APPROVED: BDF
DATE: 5/19/2020

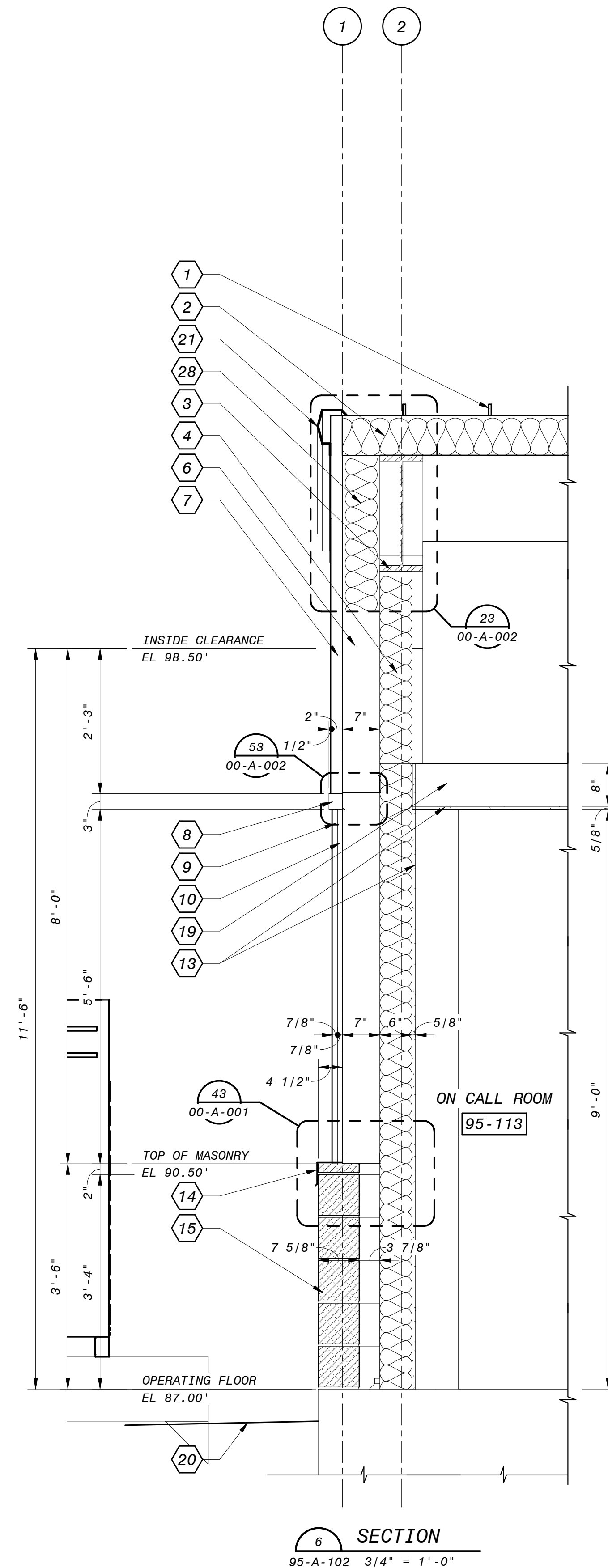
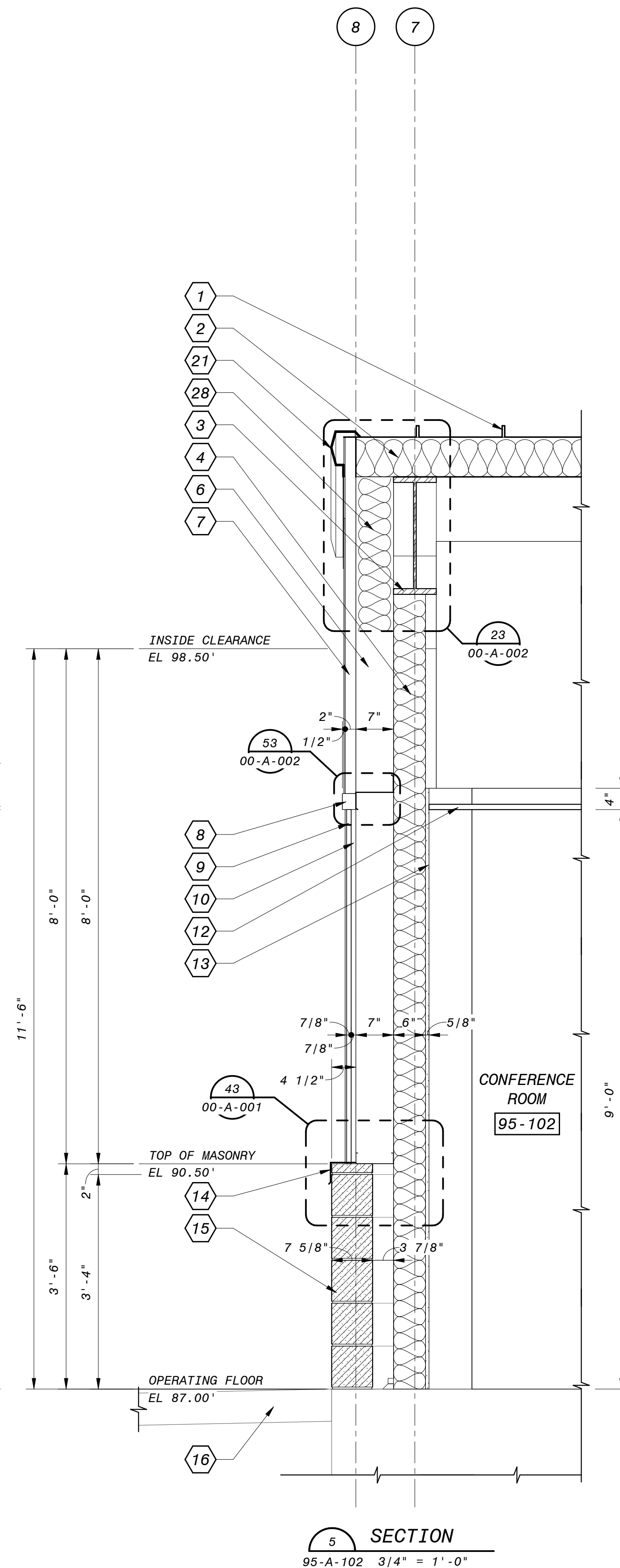
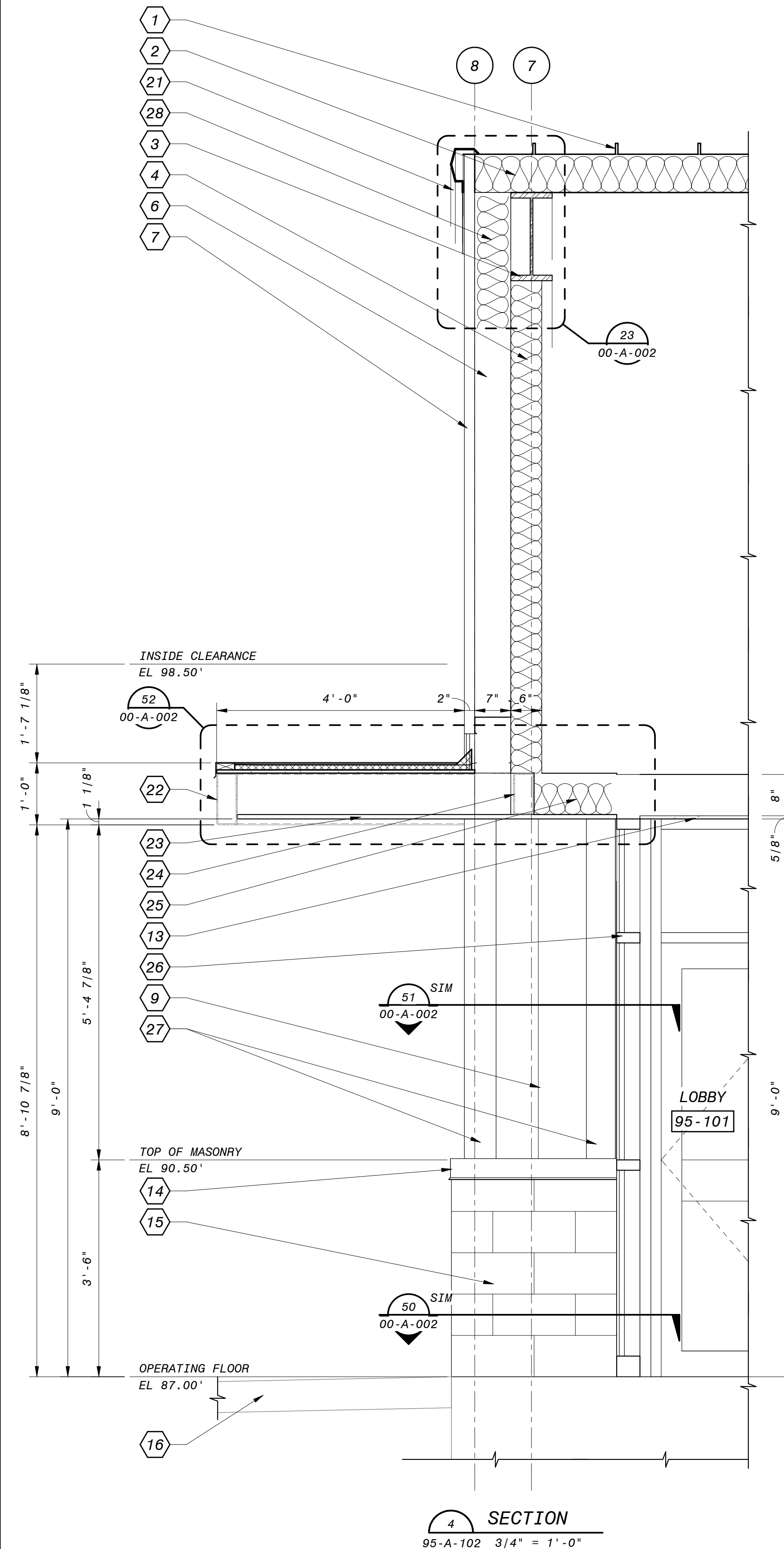
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IF THIS BAR DOES NOT
MEASURE 1" THEN DRAWING IS
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PROJECT NO.
400530

95-A-301
SHEET
289 OF 412



NO.	BY	DATE	ISSUED FOR CONSTRUCTION	REVISED AND RECORD OF USE
0	BDF	5/19/2020		



GENERAL SHEET NOTES

1. FOR VERTICAL REINFORCING AND BOND BEAMS IN MASONRY DESIGN - SEE STRUCTURAL DRAWINGS
2. FOR HORIZONTAL JOINT REINFORCING - SEE SPECIFICATION SECTION 04200

 SHEET KEYNOTES

1. METAL ROOFING PANELS
2. PURLIN SPACE WITH PINCH INSULATION (R-30)
3. PRE-ENGINEERED FRAME PER METAL BUILDING MANUFACTURER
4. METAL STUD WALL WITH 5-1/2" BATT INSULATION (R-21)
5. PRE-FINISHED FASCIA GUTTER
6. WALL GIRT SPACE
7. PRE-FINISHED RIBBED METAL SIDING
8. PRE-FINISHED METAL TRANSITION TRIM
9. PRE-FINISHED METAL FLAT PANEL SIDING
10. HORIZONTAL FURRING CHANNELS
11. METAL STUD WALL WRAPPING STRUCTURAL COLUMN WITH 3-1/2" BATT INSULATION (R-13)
12. SUSPENDED ACOUSTIC TILE CEILING
13. 5/8" GYPSUM BOARD
14. PAINTED METAL "Z" FLASHING
15. BURNISHED 8x8x16 CONCRETE BLOCK
16. CONCRETE FLATWORK WHERE OCCURS
17. PRE-FINISHED METAL DOWNSPOUT
18. PRECAST CONCRETE SPLASH BLOCK
19. METAL C-JOIST CEILING FRAMING
20. FINISH GRADE
21. PRE-FINISHED METAL RAKE TRIM
22. PAINTED STRUCTURAL STEEL METAL FASCIA AT FACE OF CANTILEVERED ENTRY ROOF
23. PRE-FINISHED METAL SOFFIT PANELING
24. STRUCTURAL STEEL TUBE
25. 5-1/2" BATT INSULATION (R-30)
26. GLAZED ALUMINUM STOREFRONT
27. PRE-FINISHED METAL CORNER TRIM
28. GIRT SPACE WITH PINCH INSULATION (R-13)



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ARCHITECTS

JOINT VENTURE

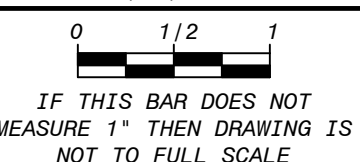
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BLACK & VEATCH

CITY OF MORRO BAY
MORRO BAY WATER
RECLAMATION FACILITY (WRF)

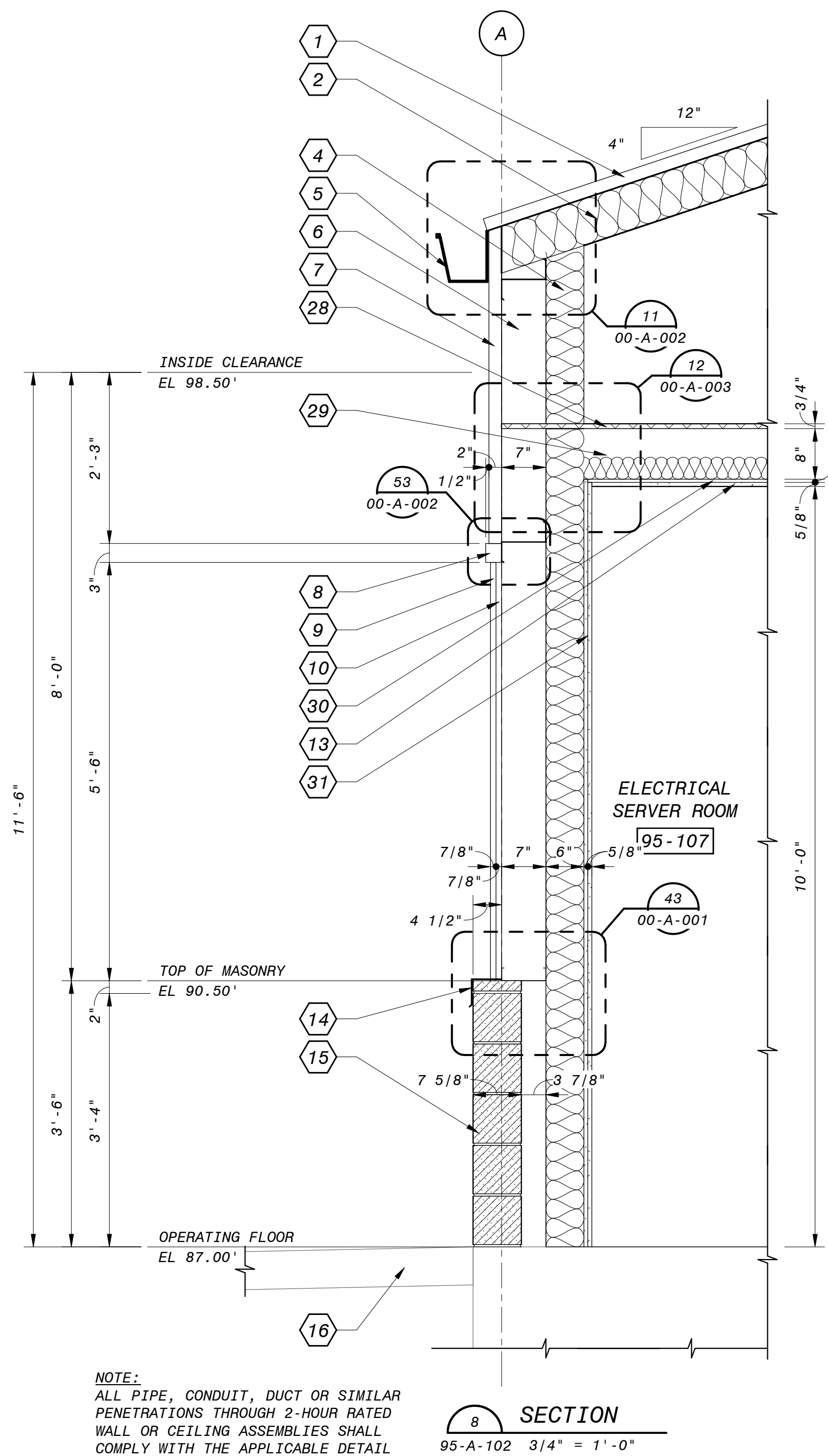
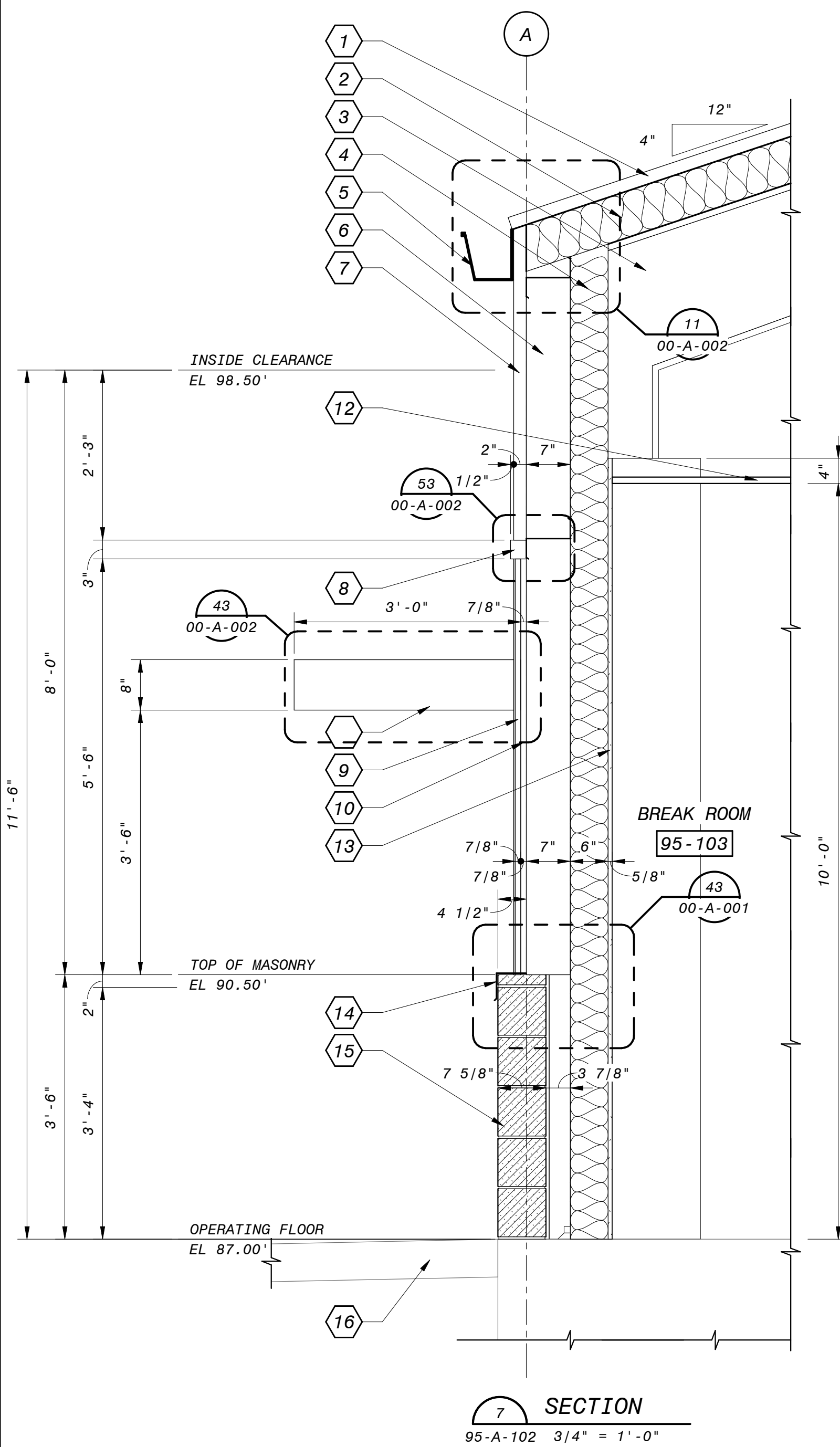
OPERATIONS BUILDING
ARCHITECTURAL
WALL SECTIONS

DESIGNED: BDF
 DETAILED: ANH
 CHECKED: -
 APPROVED: BDF
 DATE: 5/19/2020



PROJECT NO.
400530

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SHEET
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NOTE:
ALL PIPE, CONDUIT, DUCT OR SIMILAR
PENETRATIONS THROUGH 2-HOUR RATED
WALL OR CEILING ASSEMBLIES SHALL
COMPLY WITH THE APPLICABLE DETAIL
ON SHEET 00-A-003

GENERAL SHEET NOTES

1. FOR VERTICAL REINFORCING AND BOND BEAMS IN MASONRY DESIGN - SEE STRUCTURAL DRAWINGS
2. FOR HORIZONTAL JOINT REINFORCING - SEE SPECIFICATION SECTION 04200

 SHEET KEYNOTES

1. METAL ROOFING PANELS
2. PURLIN SPACING WITH PINCH INSULATION (R-30)
3. PRE-ENGINEERED FRAME PER METAL BUILDING MANUFACTURER
4. METAL STUD WALL WITH 5-1/2" BATT INSULATION (R-21)
5. PRE-FINISHED FASCIA GUTTER
6. WALL GIRT SPACE
7. PRE-FINISHED RIBBED METAL SIDING
8. PRE-FINISHED METAL TRANSITION TRIM
9. PRE-FINISHED METAL FLAT PANEL SIDING
10. HORIZONTAL FURRING CHANNELS
11. METAL STUD WALL WRAPPING STRUCTURAL COLUMN WITH 3-1/2" BATT INSULATION
12. SUSPENDED ACOUSTIC TILE CETING - REFER TO SUSPENSION AND RESTRAINT DETAILS 10-23/00-A-005
13. 5/8" GYPSUM BOARD
14. PAINTED METAL "Z" FLASHING
15. BURNISHED 8x8x16 CONCRETE BLOCK
16. CONCRETE FLATWORK WHERE OCCURS
17. PRE-FINISHED METAL DOWNSPOUT
18. PRECAST CONCRETE SPLASH BLOCK
19. METAL C-JOIST CEILING FRAMING
20. FINISH GRADE
21. PRE-FINISHED METAL RAKE TRIM
22. PAINTED STRUCTURAL STEEL METAL FASCIA AT FACE OF CANTILEVERED ENTRY ROOF
23. PRE-FINISHED METAL SOFFIT PANELING
24. STRUCTURAL STEEL TUBE
25. 5-1/2" BATT INSULATION
26. GLAZED ALUMINUM STOREFRONT
27. PRE-FINISHED METAL CORNER TRIM
28. 3/4" TONGUE AND GROOVE CEMENT FIBER PANELS
29. 8" C-JOIST CEILING FRAMING WITH 3-1/2" BATT INSULATION (R-11)
30. METAL HAT CHANNELS
31. TWO LAYERS 5/8" GYPSUM BOARD



FRASER
SEIPLE
ARCHITECTS

JOINT VENTURE

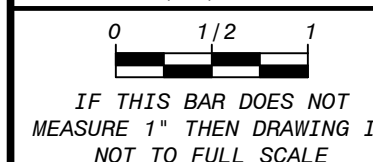
ELL ANC®

B. R. ACK & VEATCH

CITY OF MORRO BAY
MORRO BAY WATER
RECLAMATION FACILITY (WRF)

OPERATIONS BUILDING
ARCHITECTURAL
WALL SECTIONS

DESIGNED: BDF
DETAILED: ANH
CHECKED: -
APPROVED: BDF
DATE: 5/19/2020

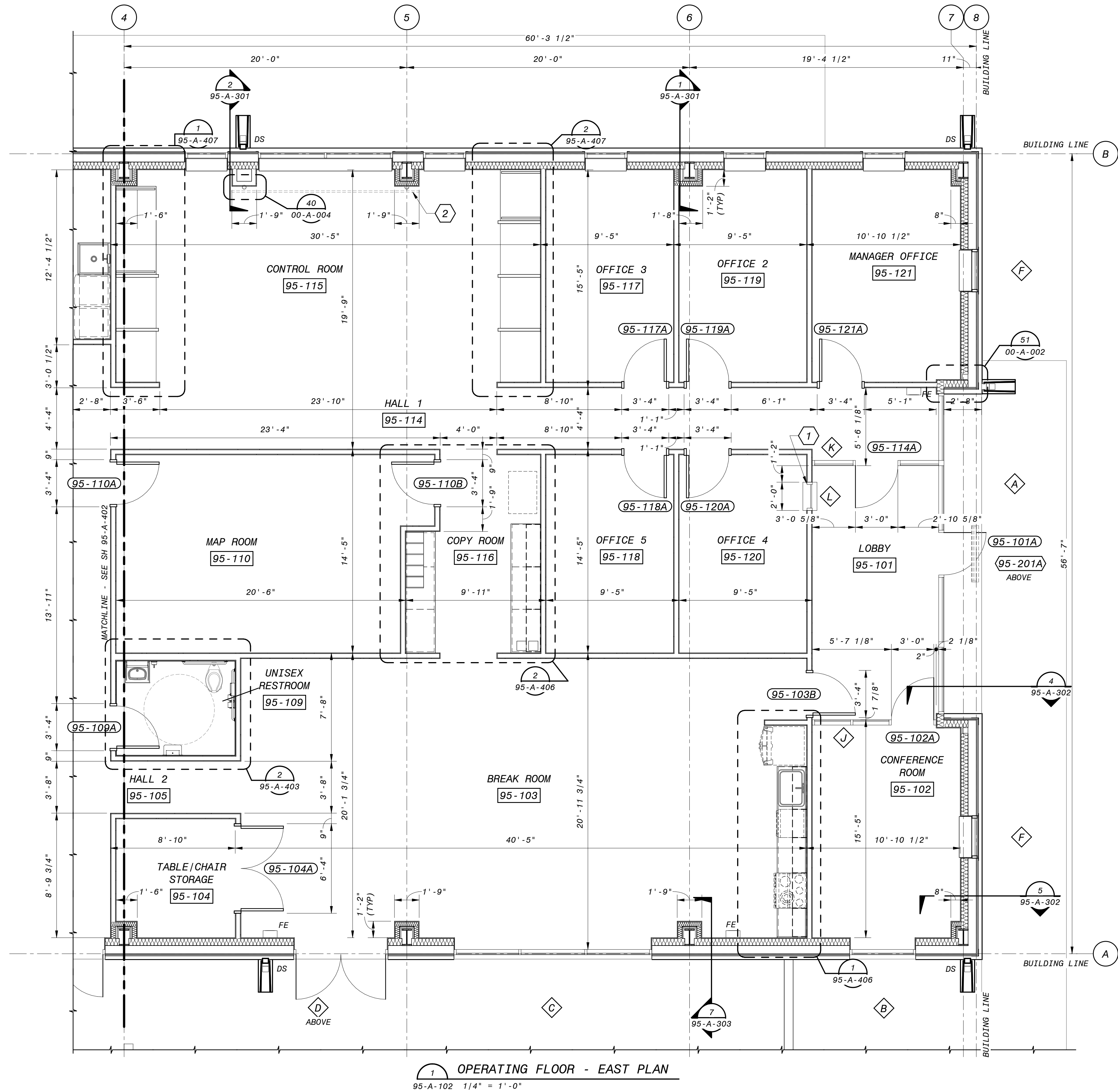


PROJECT NO.
400530

95-A-303
SHEET
291 OF 412

0400530

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GENERAL SHEET NOTES

SHEET KEYNOTES

- TRANSACTION WINDOW
- PERFORATED SHEET STEEL MONITOR MOUNT ASSEMBLY

NO.	BY	CHK	APP
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3	BDF	EVB	
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100	BDF	EVB	



CITY OF MORRO BAY
MORRO BAY WATER
RECLAMATION FACILITY (WRF)
OPERATIONS BUILDING
ARCHITECTURAL
ENLARGED OPERATING FLOOR PLAN - EAST

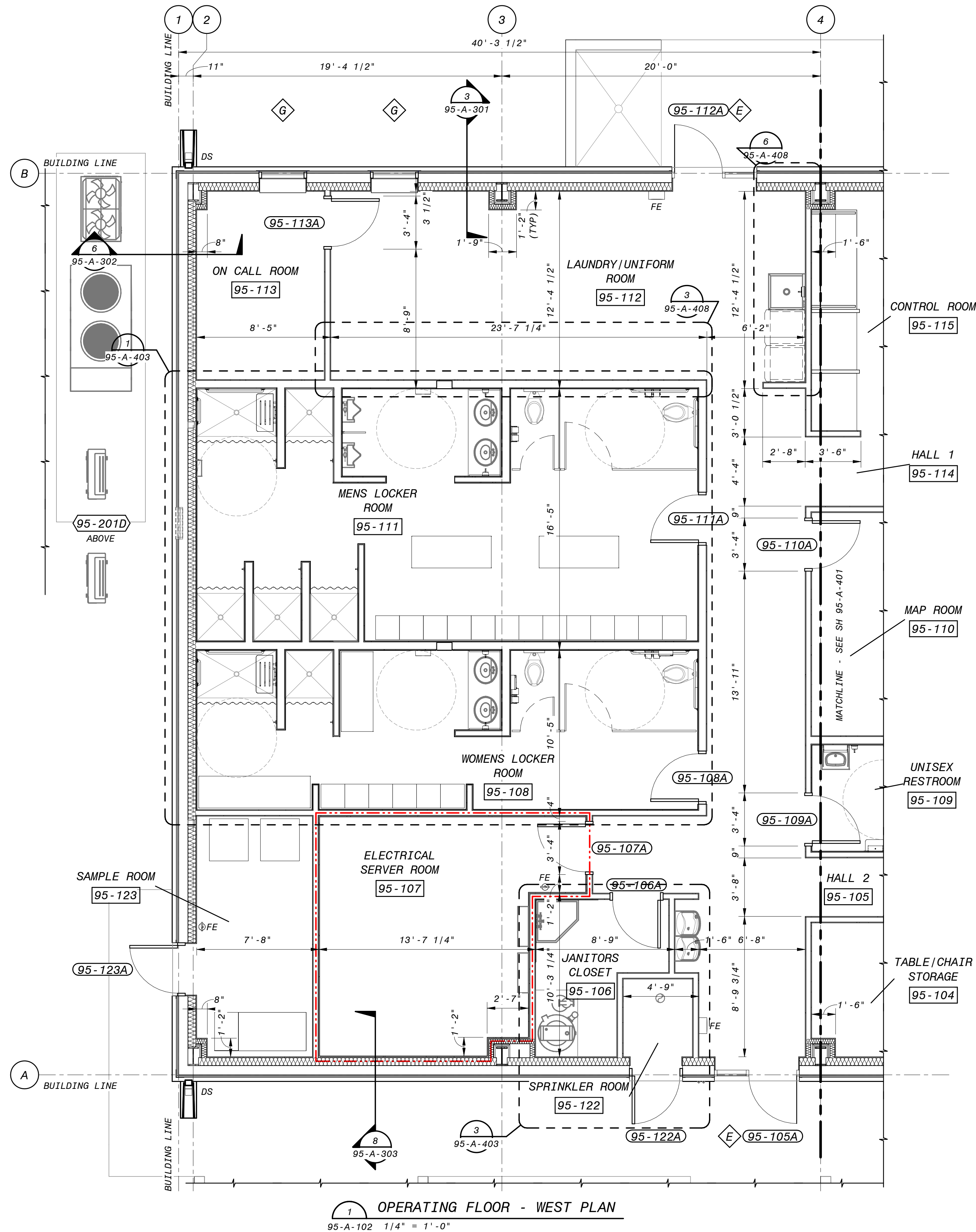
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DETAILED: ANH
CHECKED: -
APPROVED: BDF
DATE: 5/19/2020

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

PROJECT NO.
400530

95-A-401
SHEET
292 OF 412

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GENERAL SHEET NOTES

SHEET KEYNOTES



JOINT VENTURE
FRASER SEIPLE ARCHITECTS
BLACK & VEATCH
FILANC

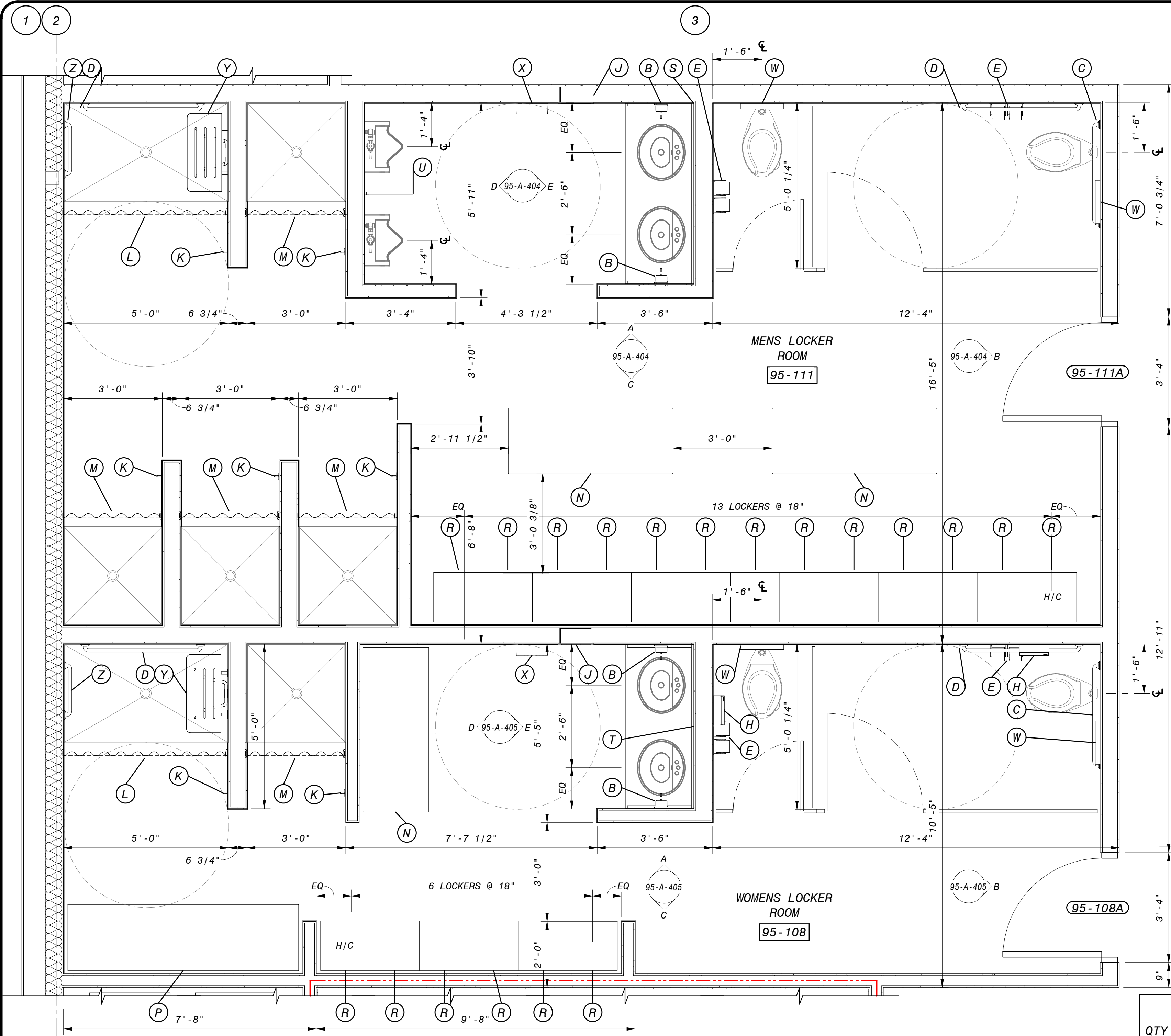
CITY OF MORRO BAY
MORRO BAY WATER
RECLAMATION FACILITY (WRF)
OPERATIONS BUILDING
ARCHITECTURAL
ENLARGED OPERATING FLOOR PLAN - WEST

DESIGNED: BDF
DETAILED: ANH
CHECKED: -
APPROVED: BDF
DATE: 5/19/2020

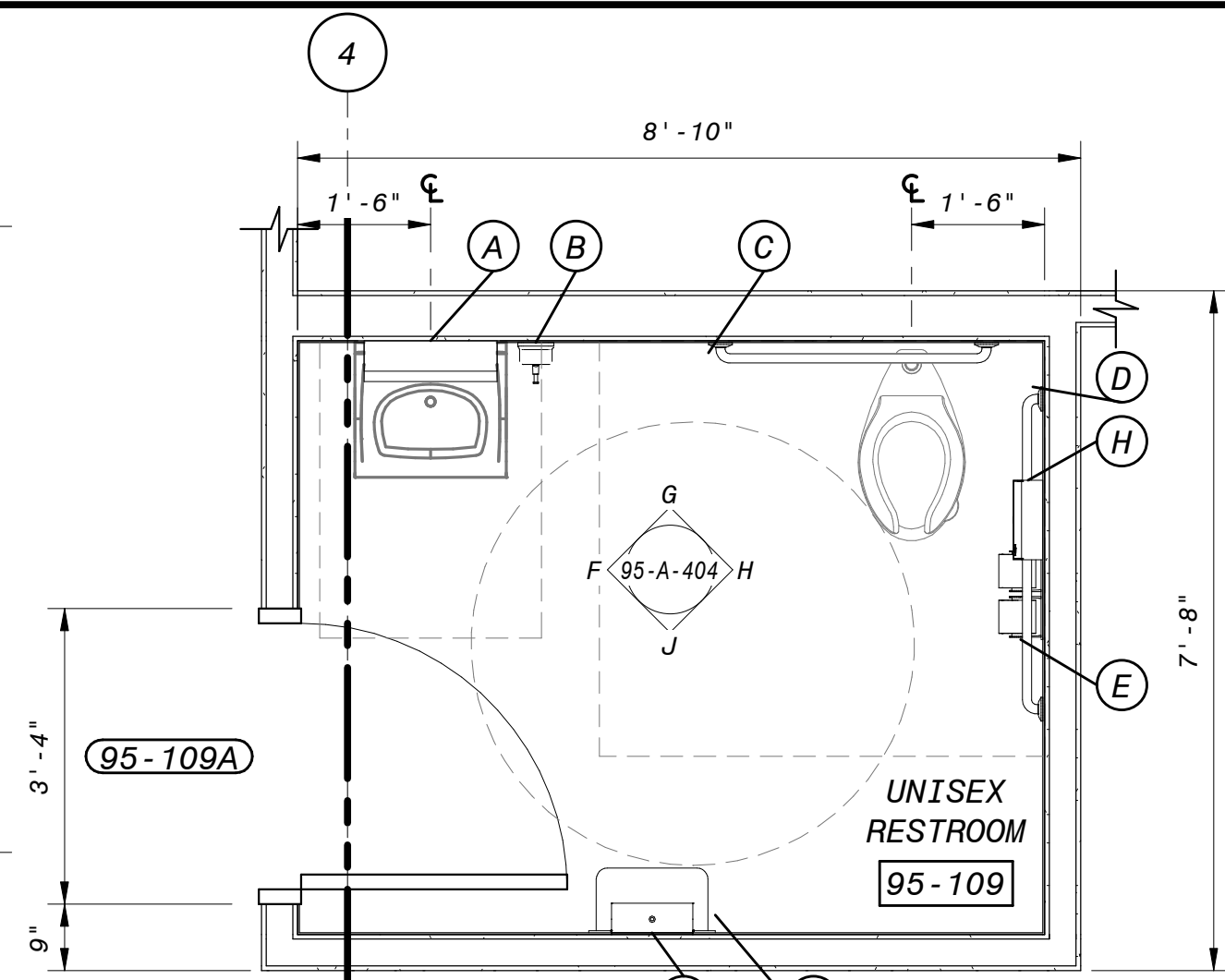
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IF THIS BAR DOES NOT
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NOT TO FULL SCALE

PROJECT NO.
400530

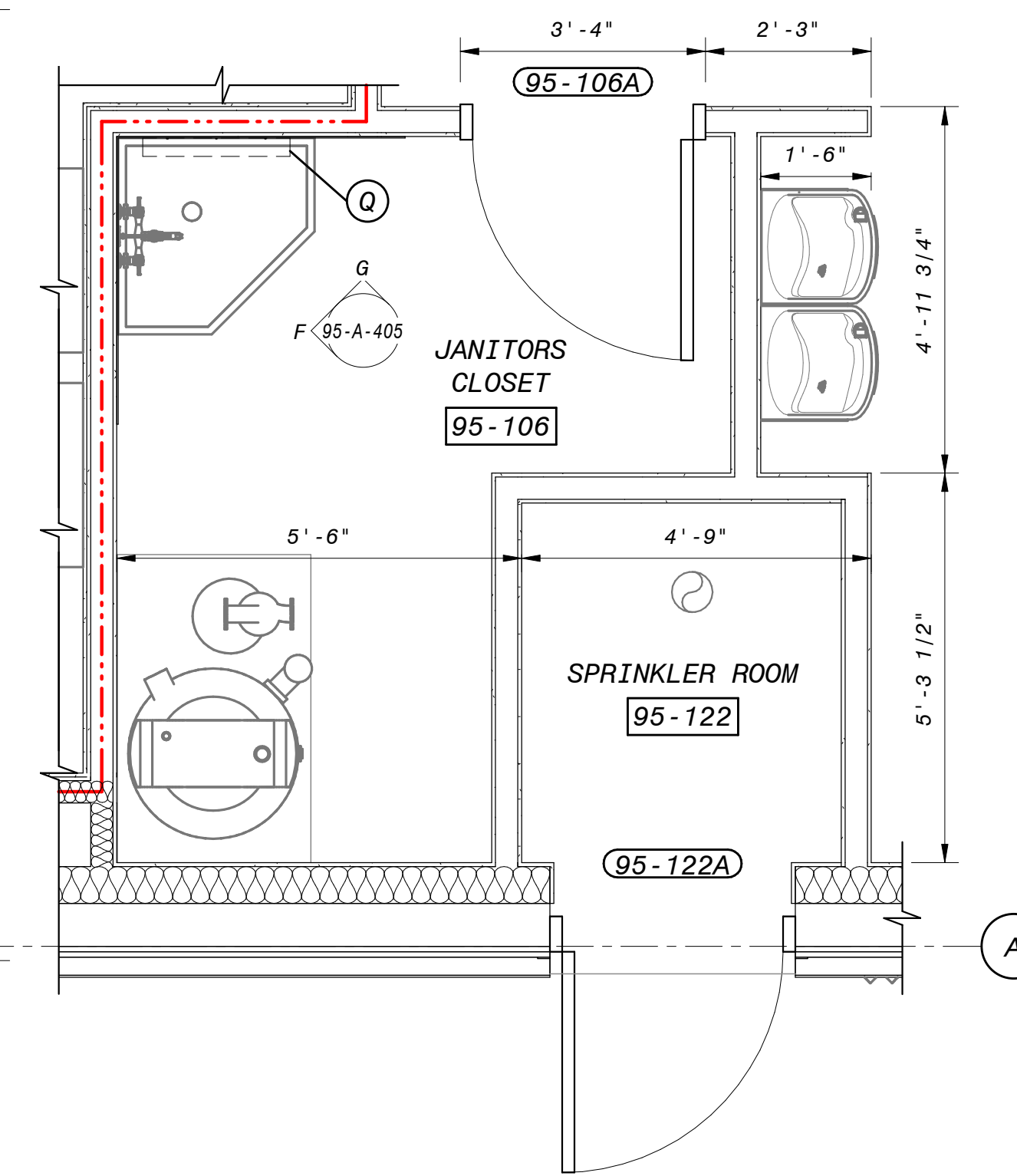
95-A-402
SHEET
293 OF 412



1
 ENLARGED RESTROOM AND LOCKER ROOM PLAN
 95-A-402 1/2" = 1'-0"



2
 ENLARGED UNISEX RESTROOM PLAN
 95-A-401 1/2" = 1'-0"



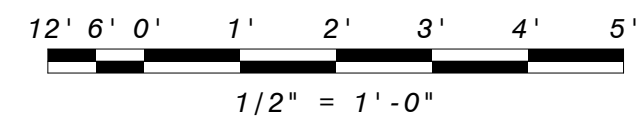
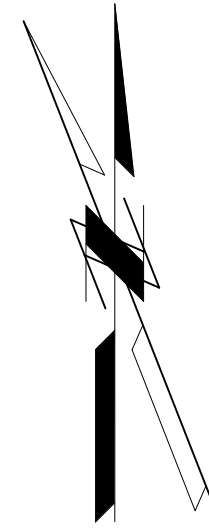
3
 ENLARGED JANITORS CLOSET PLAN
 95-A-402 1/2" = 1'-0"

ACCESSORY SCHEDULE

QTY	TYPE	DESCRIPTION	SPEC SECTION
1	A	FIXED TILT MIRROR, WITH SHELL	10 28 00
5	B	SOAP DISPENSER	10 28 00
3	C	36" GRAB BAR	10 28 00
5	D	42" GRAB BAR	10 28 00
5	E	TOILET TISSUE DISPENSER	10 28 00
1	F	TOWEL DISPENSER	10 28 00
1	G	WASTE RECEPTACLE, 18 GALLON, RECESSED	10 28 00
3	H	NAPKIN DISPOSAL, 1.5 GALLONS, SURFACE-MOUNTED	10 28 00
2	J	RECESSED TOWEL DISPENSER/WASTE RECEPTACLE	10 28 00
7	K	SINGLE ROBE HOOK - PROJECTS 1-3/4"	10 28 00
2	L	SHOWER CURTAIN ROD EXPOSED MOUNTING 1 1/4" OD 60" L	10 28 00
5	M	SHOWER CURTAIN ROD EXPOSED MOUNTING 1 1/4" OD 36" L	10 28 00
3	N	SOLID PLASTIC PEDESTAL BENCH - 24"x 60"	10 51 16
1	P	SOLID PLASTIC PEDESTAL BENCH - 24"x 84"	10 51 16
1	Q	STAINLESS STEEL MOP AND BROOM HOLDER	10 28 00
19	R	SOLID PLASTIC LOCKER	10 51 16
1	S	MIRROR (5'-5 5/8" x 3'-10 1/2")	10 28 00
1	T	MIRROR (4'-11 5/8" x 3'-10 1/2")	10 28 00
1	U	RESTROOM PARTITIONS, URINAL SCREEN	10 12 16
1	V	SOAP DISPENSER	10 28 00
4	W	SURFACE MOUNTED SEAT COVER DISPENSER	10 28 00
2	X	ELECTRIC HAND DRYER	10 28 00
2	Y	FLIP-UP ACCESSIBLE SHOWER SEAT	10 28 00
2	Z	18" GRAB BAR	10 28 00

GENERAL SHEET NOTES

SHEET KEYNOTES



CITY OF MORRO BAY
 MORRO BAY WATER
 RECLAMATION FACILITY (WRF)

OPERATIONS BUILDING
 ARCHITECTURAL
 ENLARGED RESTROOM PLANS

DESIGNED: BDF
 DETAILED: ANH
 CHECKED: -
 APPROVED: BDF
 DATE: 5/19/2020

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

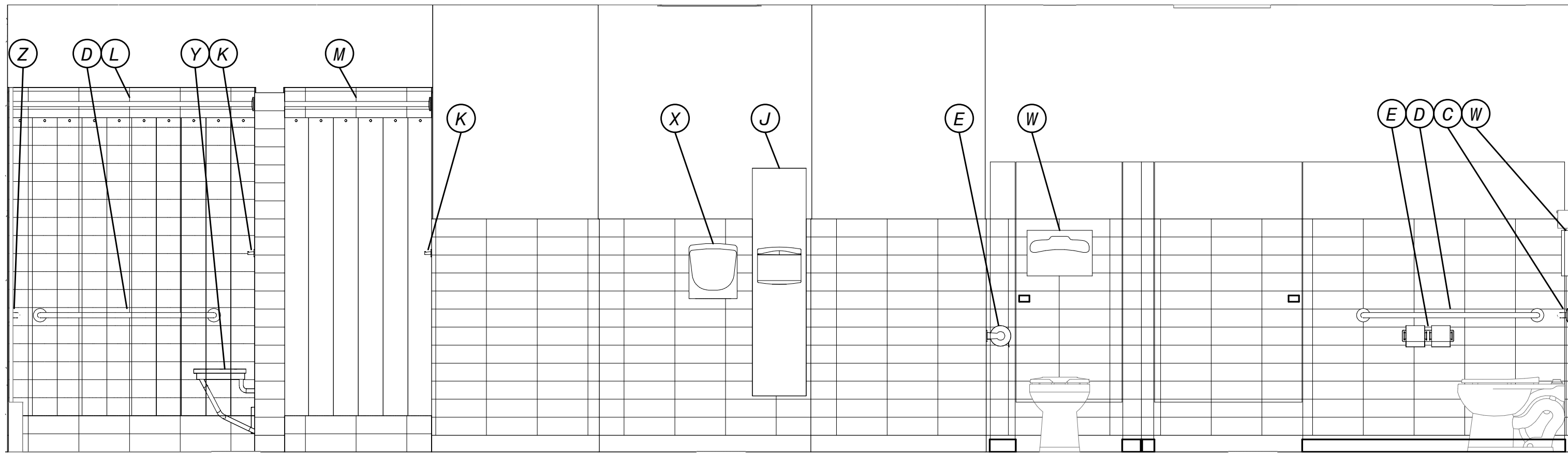
PROJECT NO.
 400530
 SHEET
 294 OF 412



FRASER
 SEIPLE
 ARCHITECTS
 JOINT VENTURE
 BLACK & VEATCH
 FILANC

NO.	BY	DATE	REVISIONS AND RECORD OF USE
0	BDF	5/19/2020	ISSUED FOR CONSTRUCTION
1	BY		REVISIONS AND RECORD OF USE

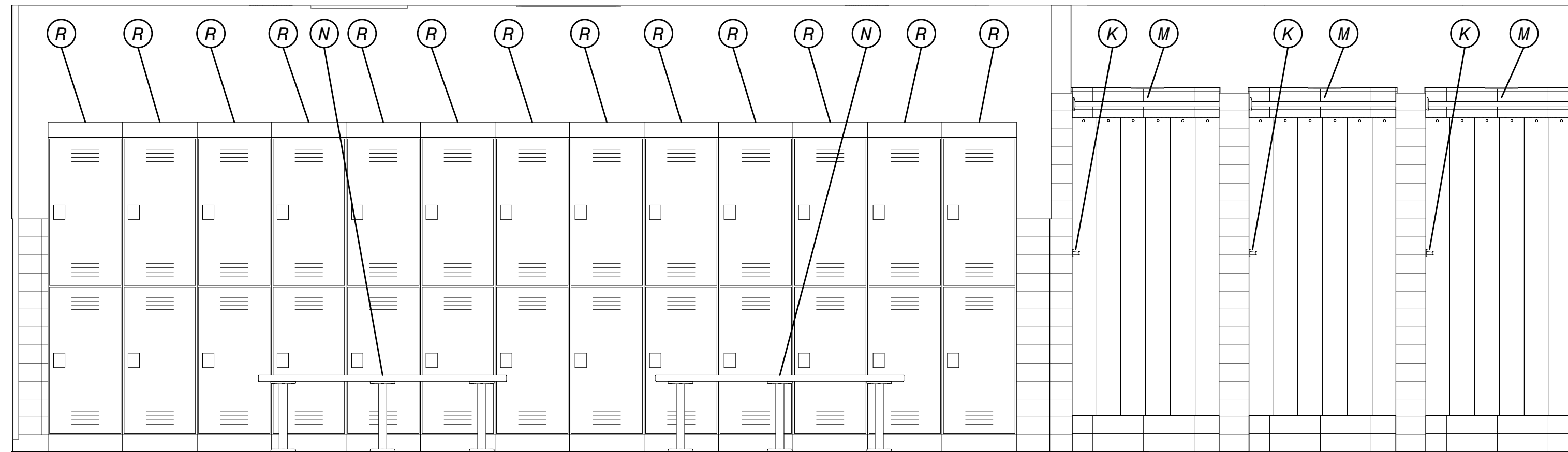
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A MENS LOCKER ROOM NORTH ELEVATION

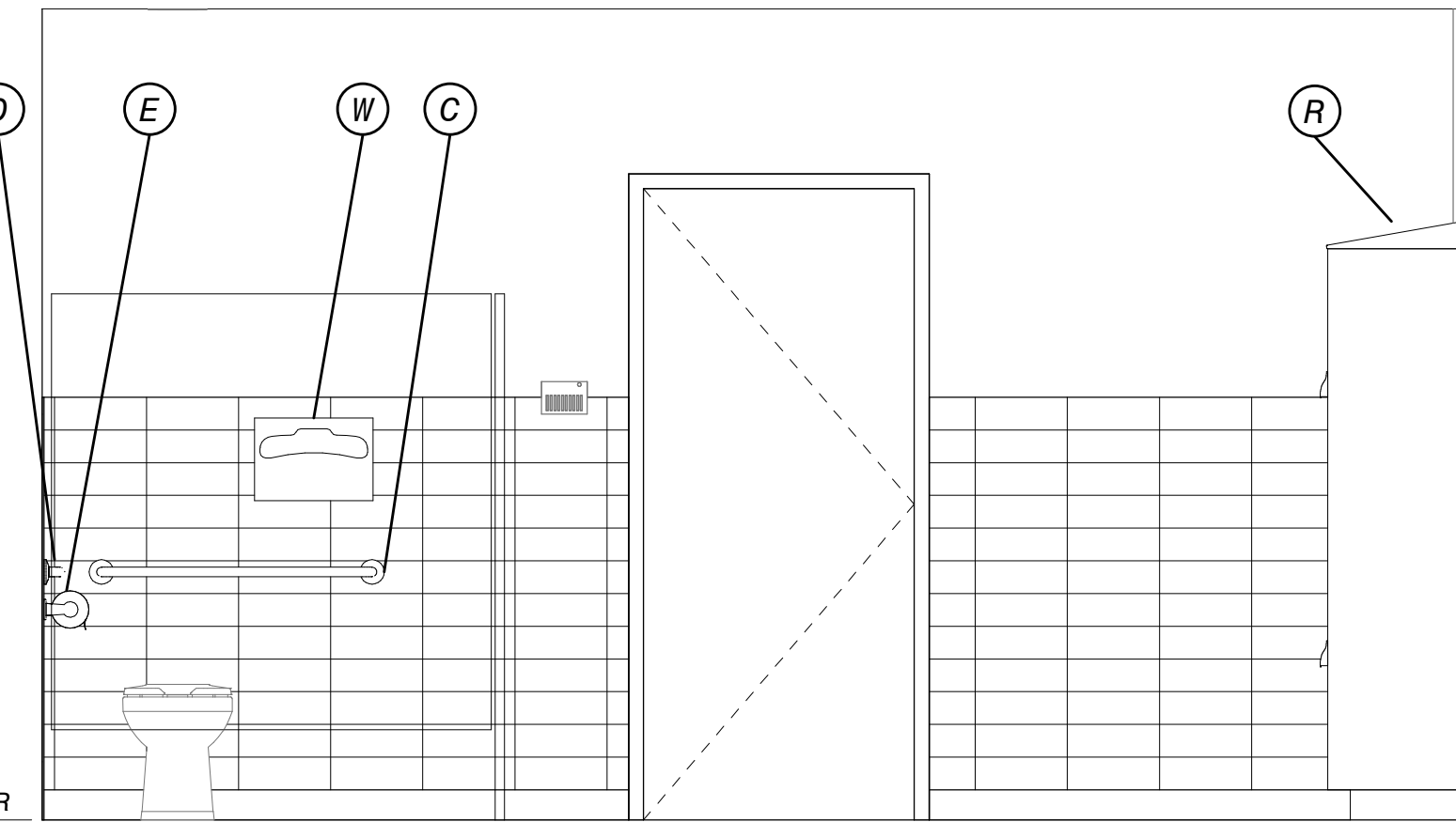
95-A-403 1/2" = 1'-0"

3



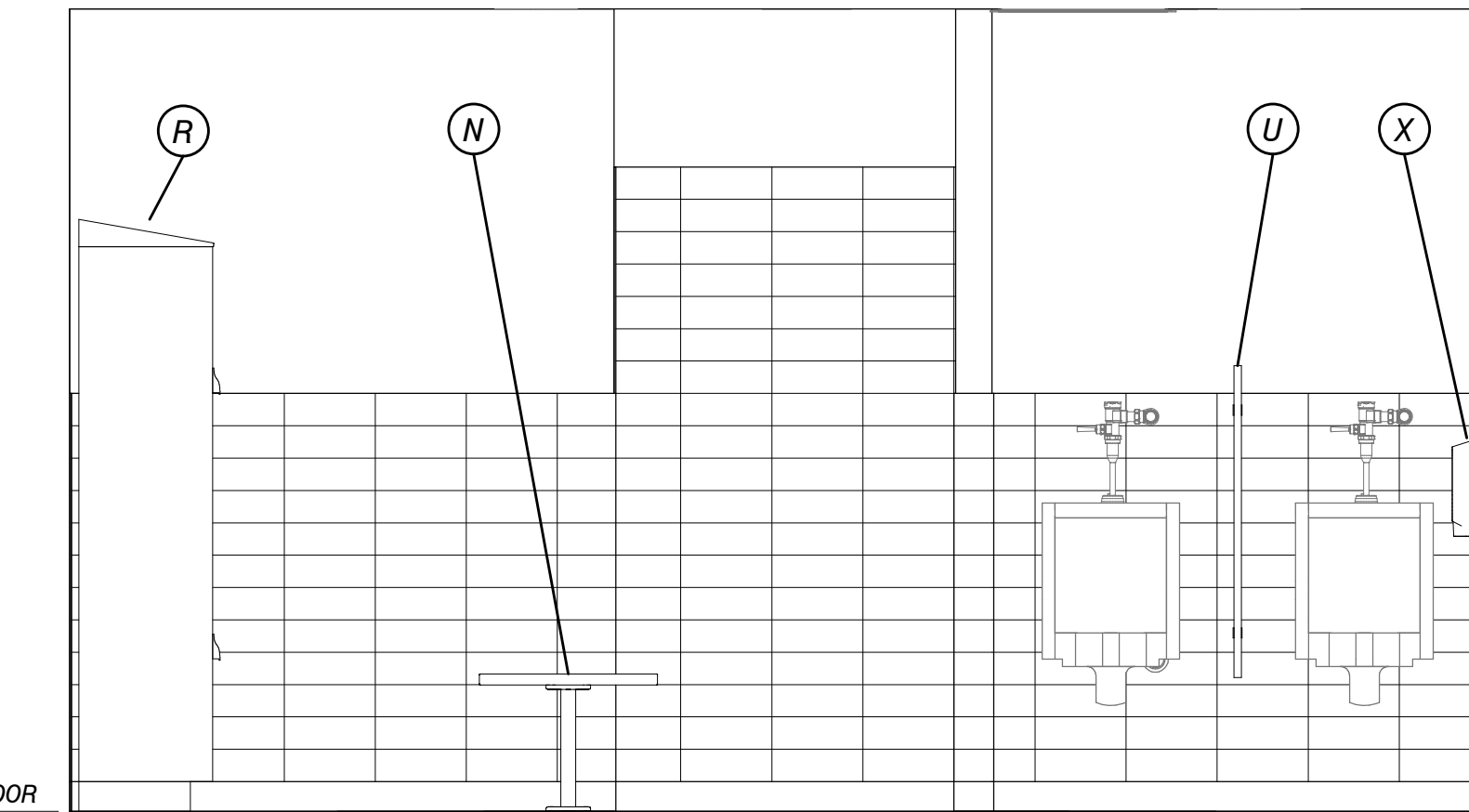
C MENS LOCKER ROOM SOUTH ELEVATION

95-A-403 1/2" = 1'-0"



B MENS LOCKER ROOM EAST ELEVATION

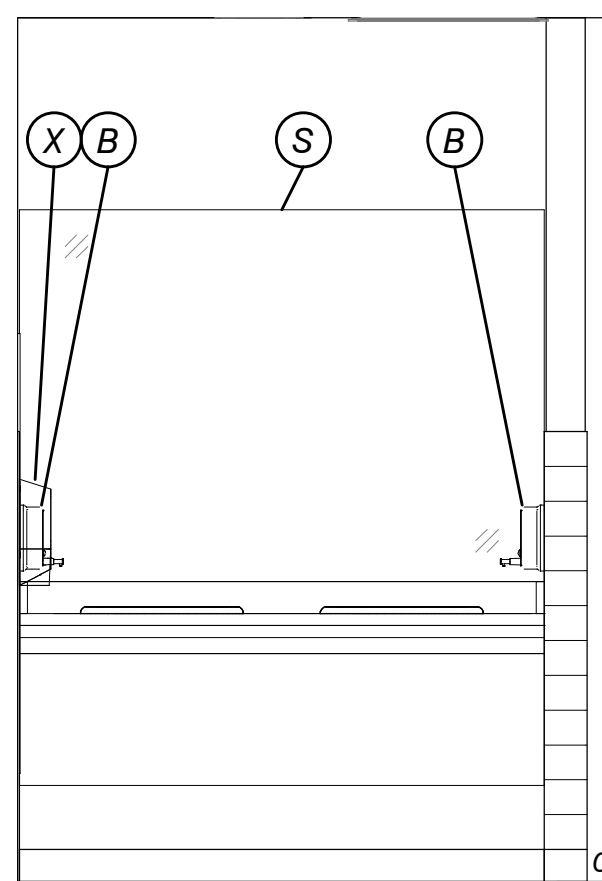
95-A-403 1/2" = 1'-0"



D MENS LOCKER ROOM WEST ELEVATION

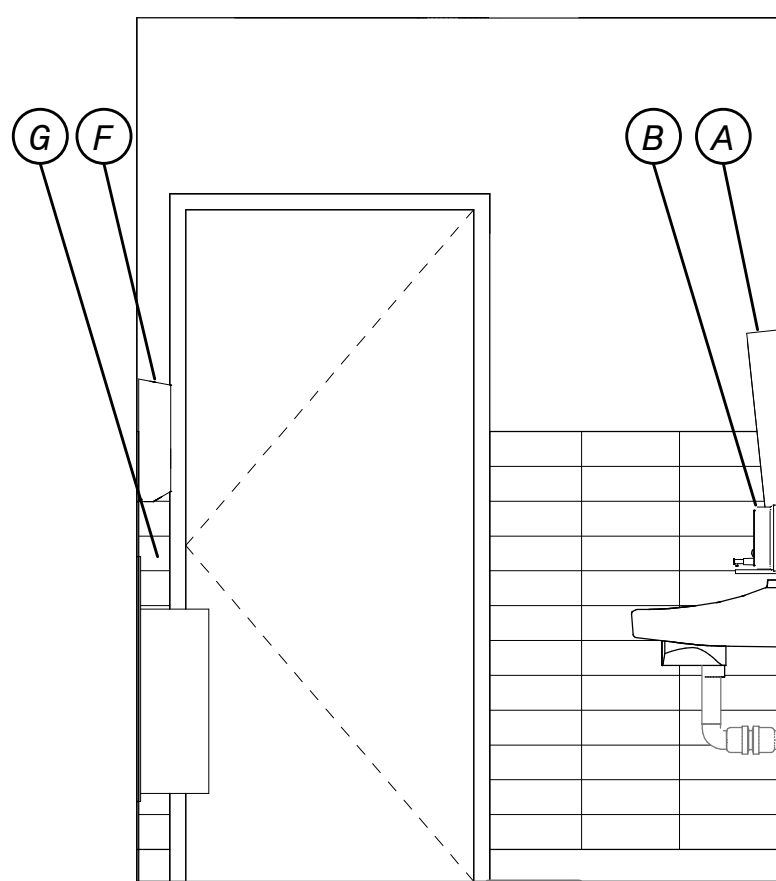
95-A-403 1/2" = 1'-0"

4



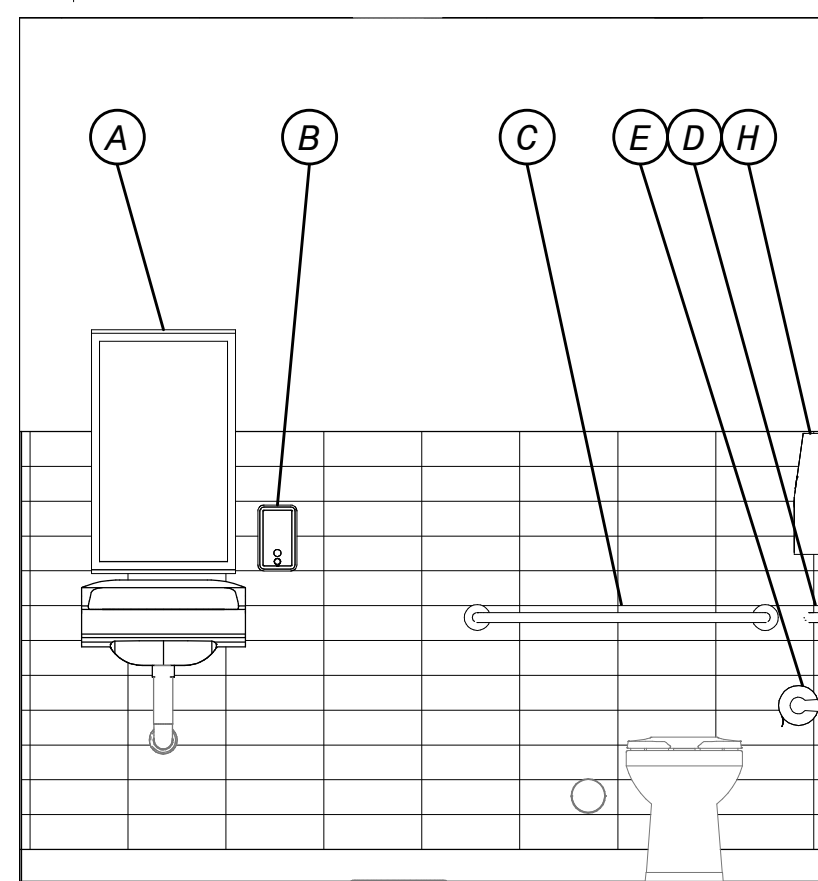
E MENS LOCKER ROOM EAST ELEVATION @ SINK

95-A-403 1/2" = 1'-0"



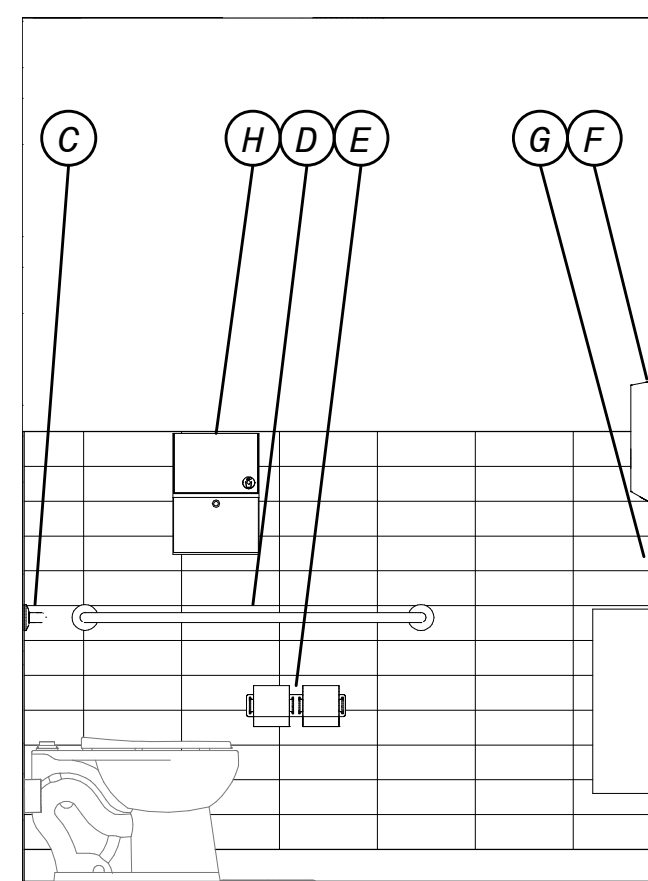
F UNISEX RESTROOM WEST ELEVATION

95-A-403 1/2" = 1'-0"



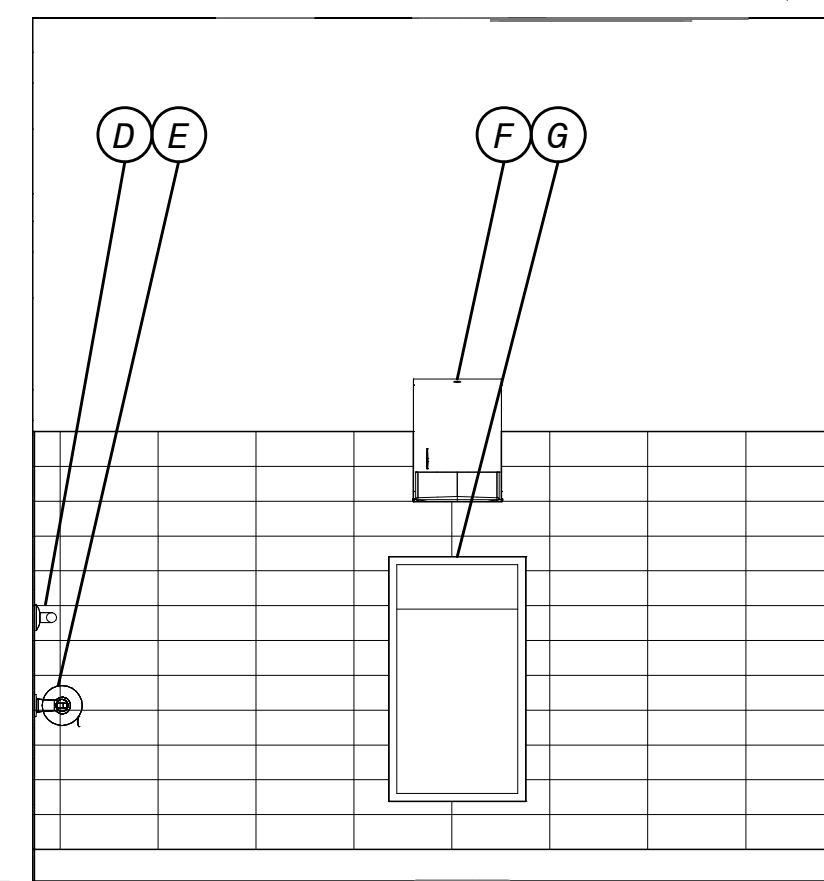
G UNISEX RESTROOM NORTH ELEVATION

95-A-403 1/2" = 1'-0"



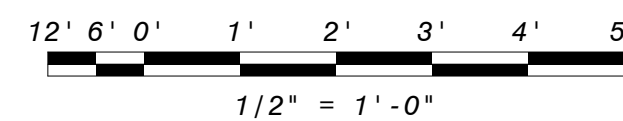
H UNISEX RESTROOM EAST ELEVATION

95-A-403 1/2" = 1'-0"



J UNISEX RESTROOM SOUTH ELEVATION

95-A-403 1/2" = 1'-0"



5/19/2020	ISSUED FOR CONSTRUCTION	NO.	BY	CHK	APP
DATE	REVIEWS AND RECORD OF USE				



CITY OF MORRO BAY
MORRO BAY WATER
RECLAMATION FACILITY (WRF)
OPERATIONS BUILDING
ARCHITECTURAL
RESTROOM AND LOCKER ROOM ELEVATIONS

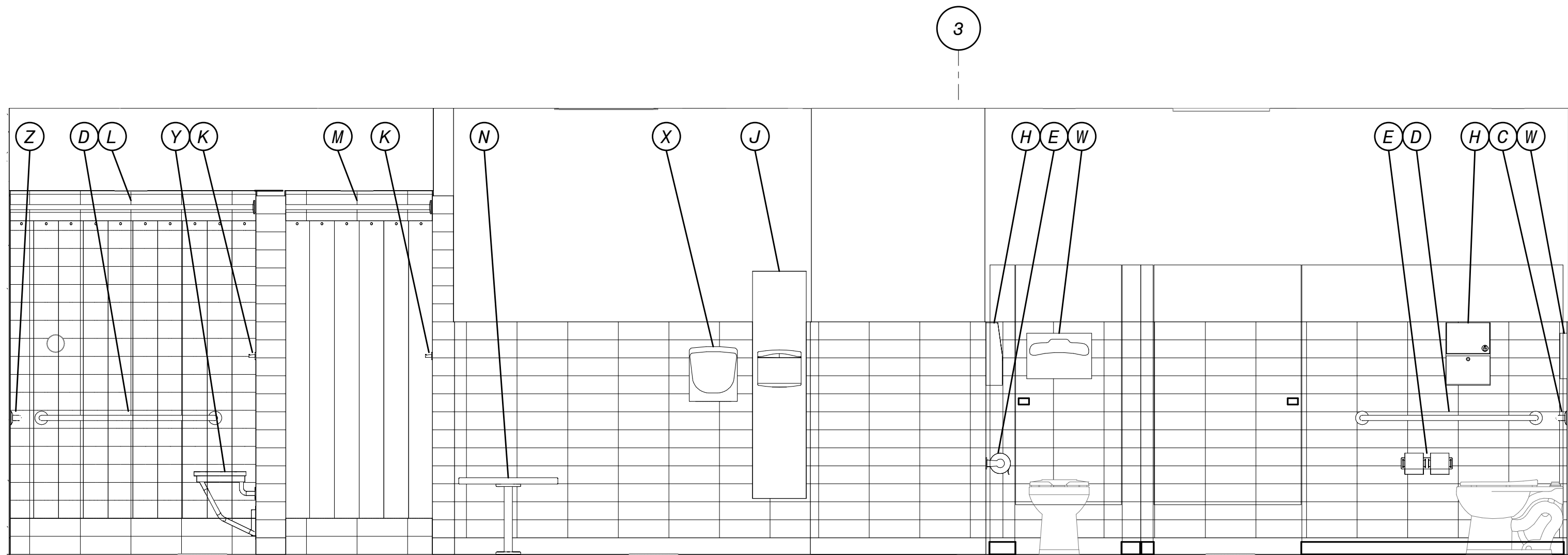
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DETAILED: ANH
CHECKED: -
APPROVED: BDF
DATE: 5/19/2020

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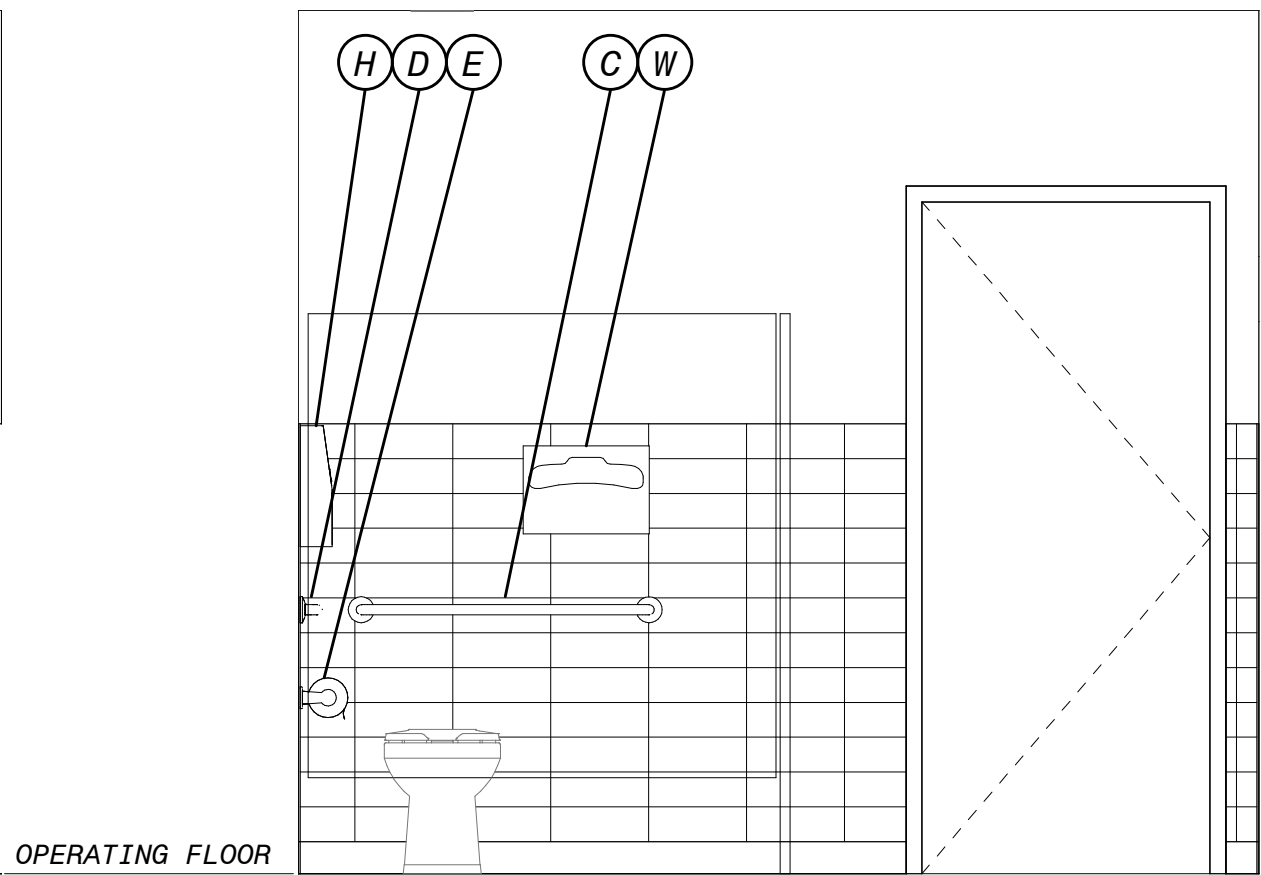
PROJECT NO.
400530

95-A-404
SHEET
295 OF 412

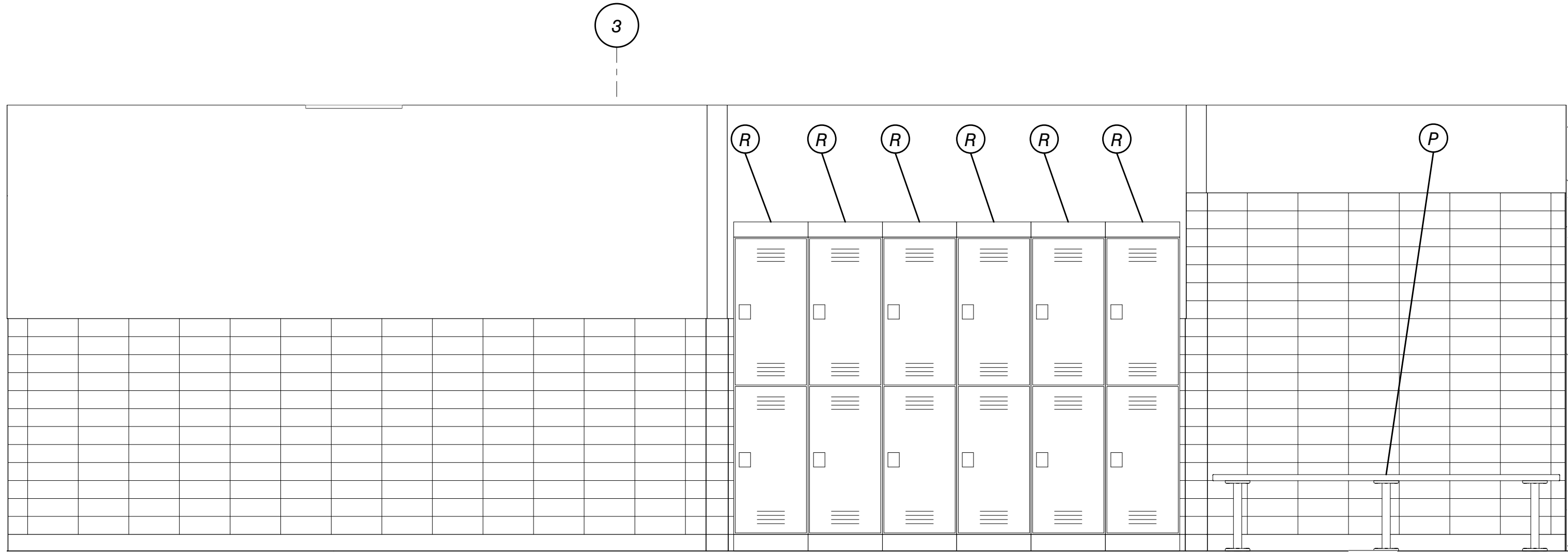
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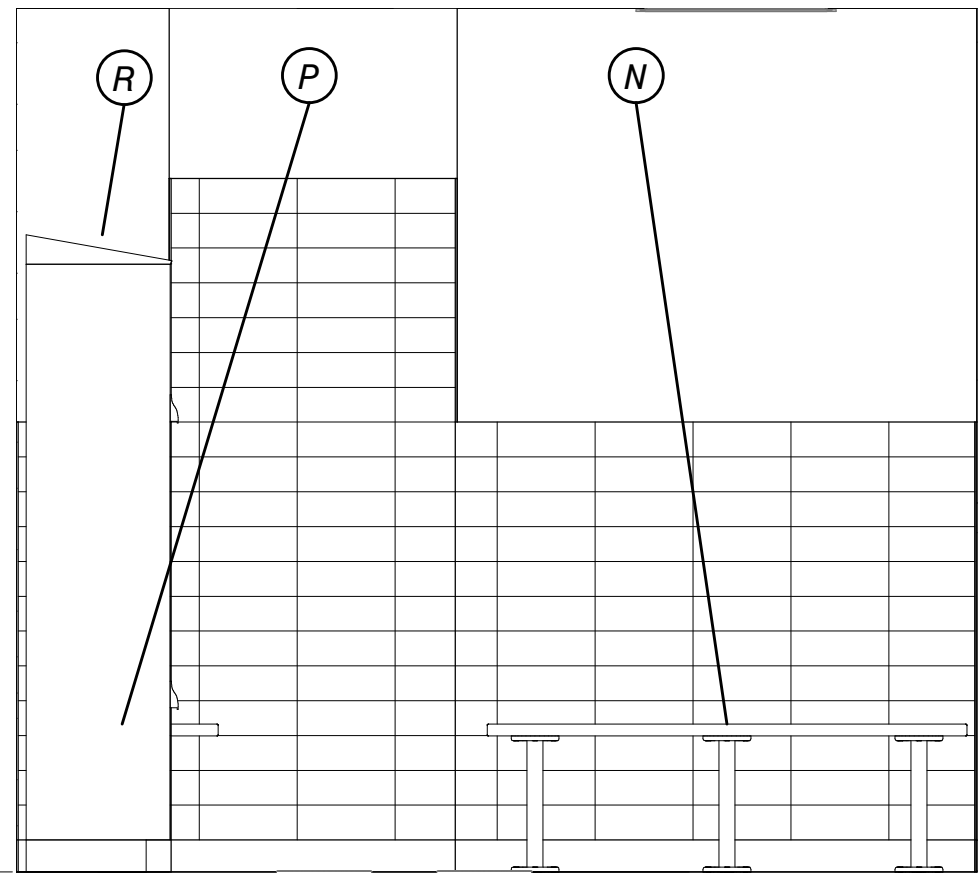
WOMENS LOCKER ROOM NORTH ELEVATION
95-A-403 1/2" = 1'-0"



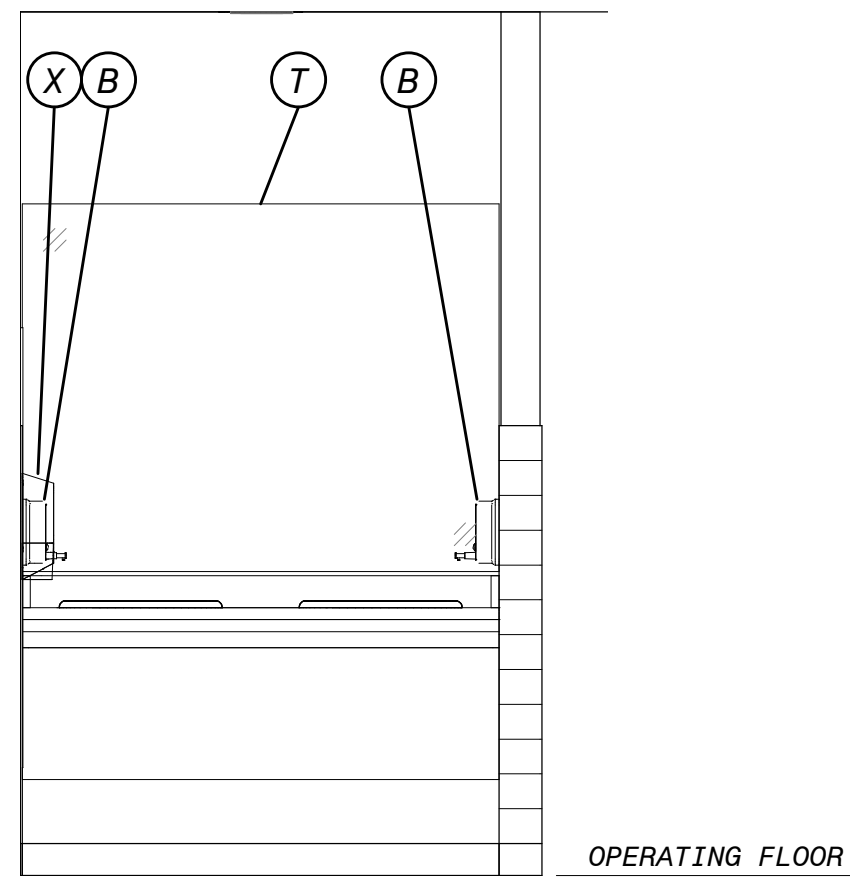
WOMENS LOCKER ROOM EAST ELEVATION
95-A-403 1/2" = 1'-0"



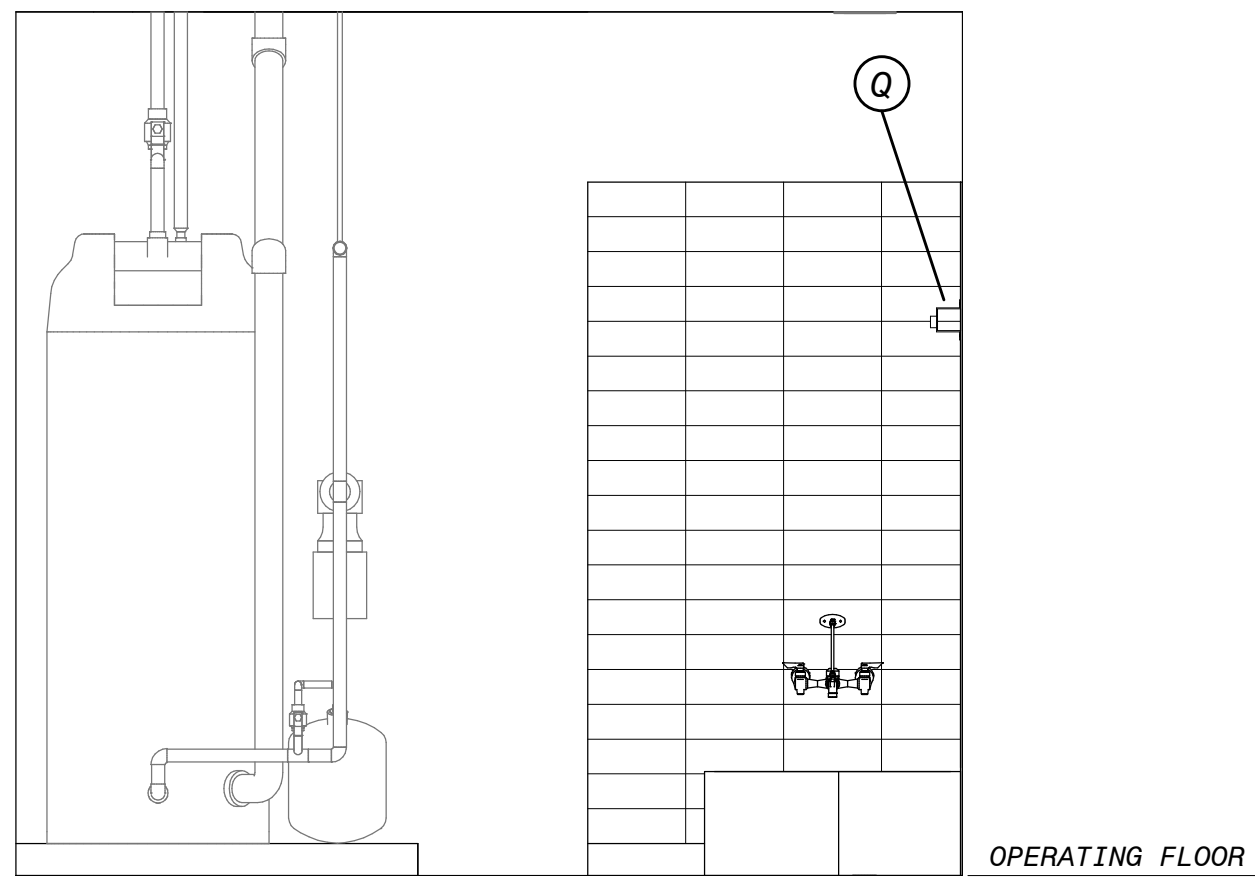
WOMENS LOCKER ROOM SOUTH ELEVATION
95-A-403 1/2" = 1'-0"



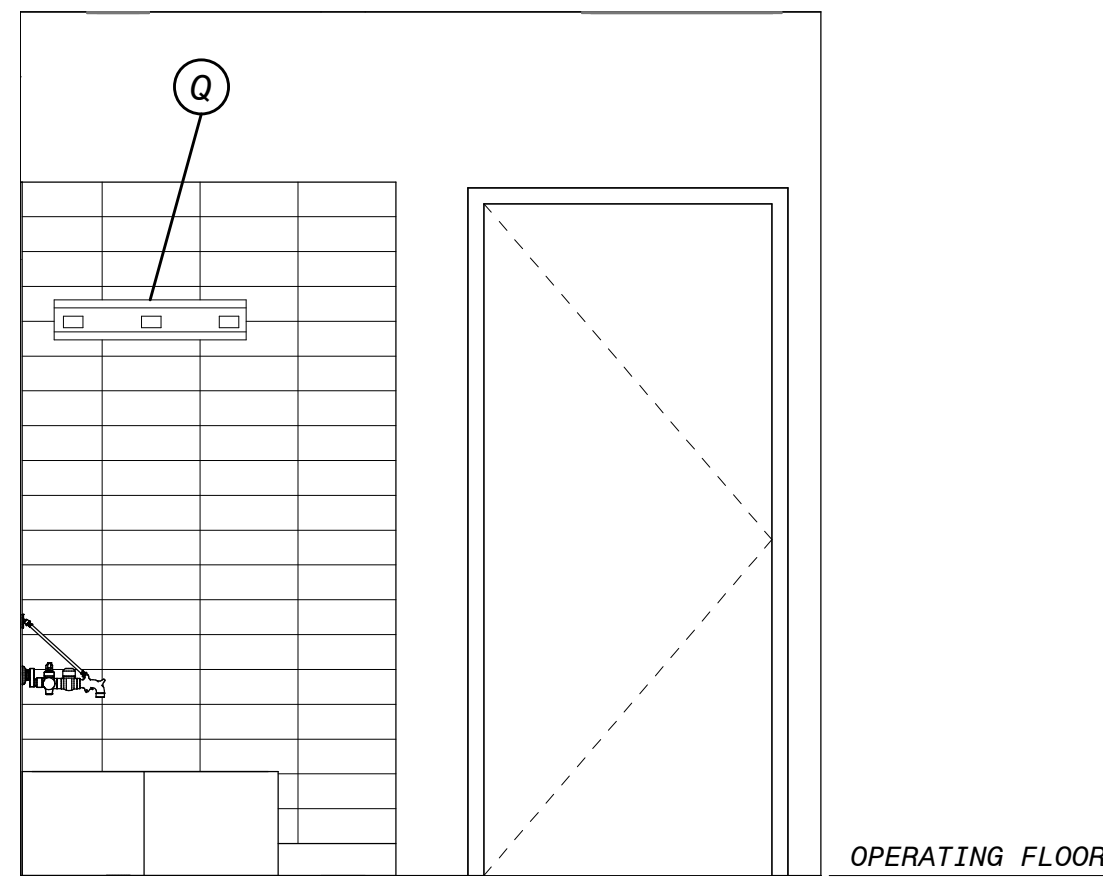
WOMENS LOCKER ROOM WEST ELEVATION
95-A-403 1/2" = 1'-0"



WOMENS LOCKER ROOM EAST ELEVATION @ SINK
95-A-403 1/2" = 1'-0"



JANITORS CLOSET ELEVATION - WEST
95-A-403 1/2" = 1'-0"



JANITORS CLOSET ELEVATION - NORTH
95-A-403 1/2" = 1'-0"

GENERAL SHEET NOTES

SHEET KEYNOTES



CITY OF MORRO BAY
MORRO BAY WATER
RECLAMATION FACILITY (WRF)
OPERATIONS BUILDING
ARCHITECTURAL
RESTROOM AND LOCKER ROOM ELEVATIONS

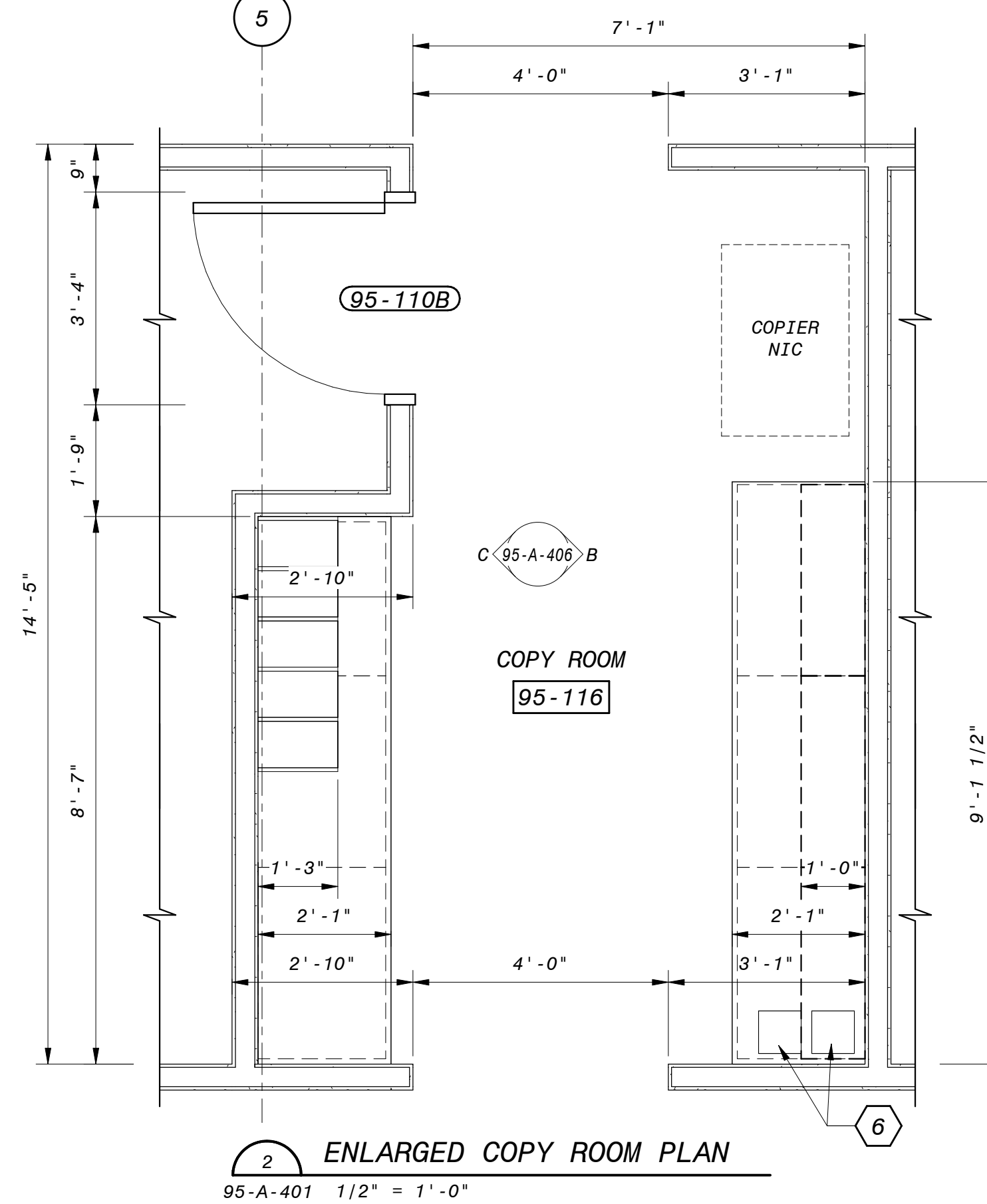
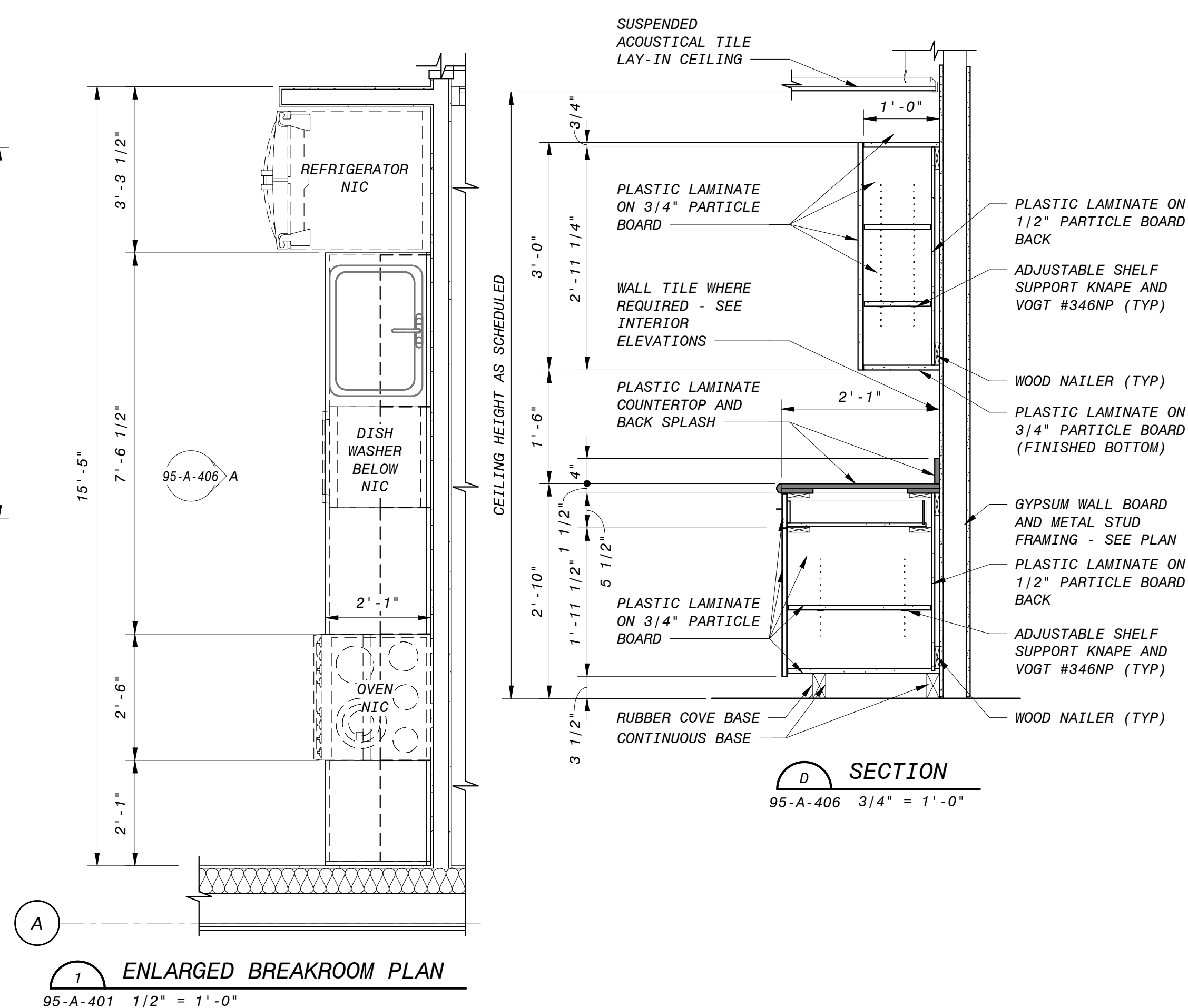
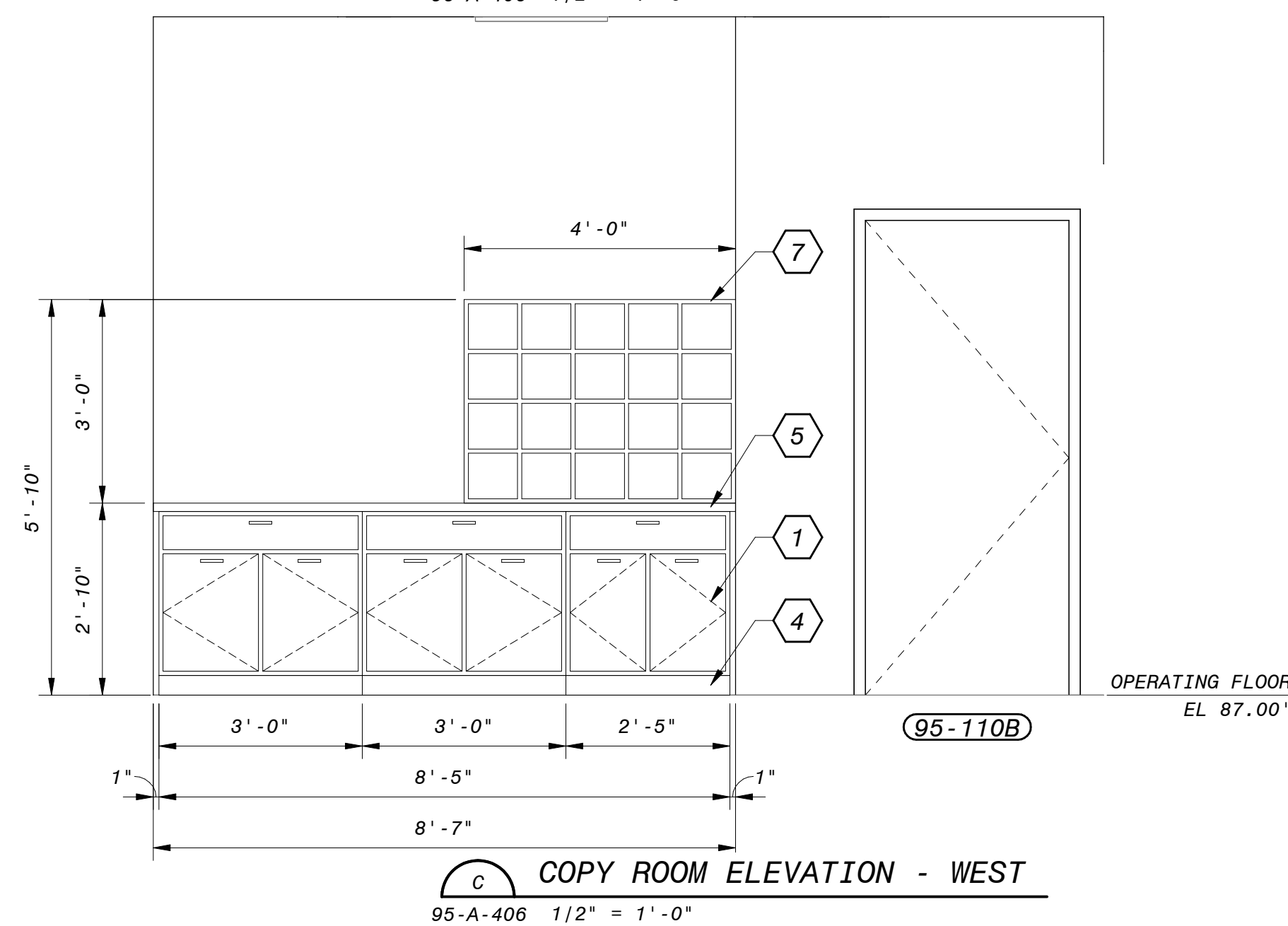
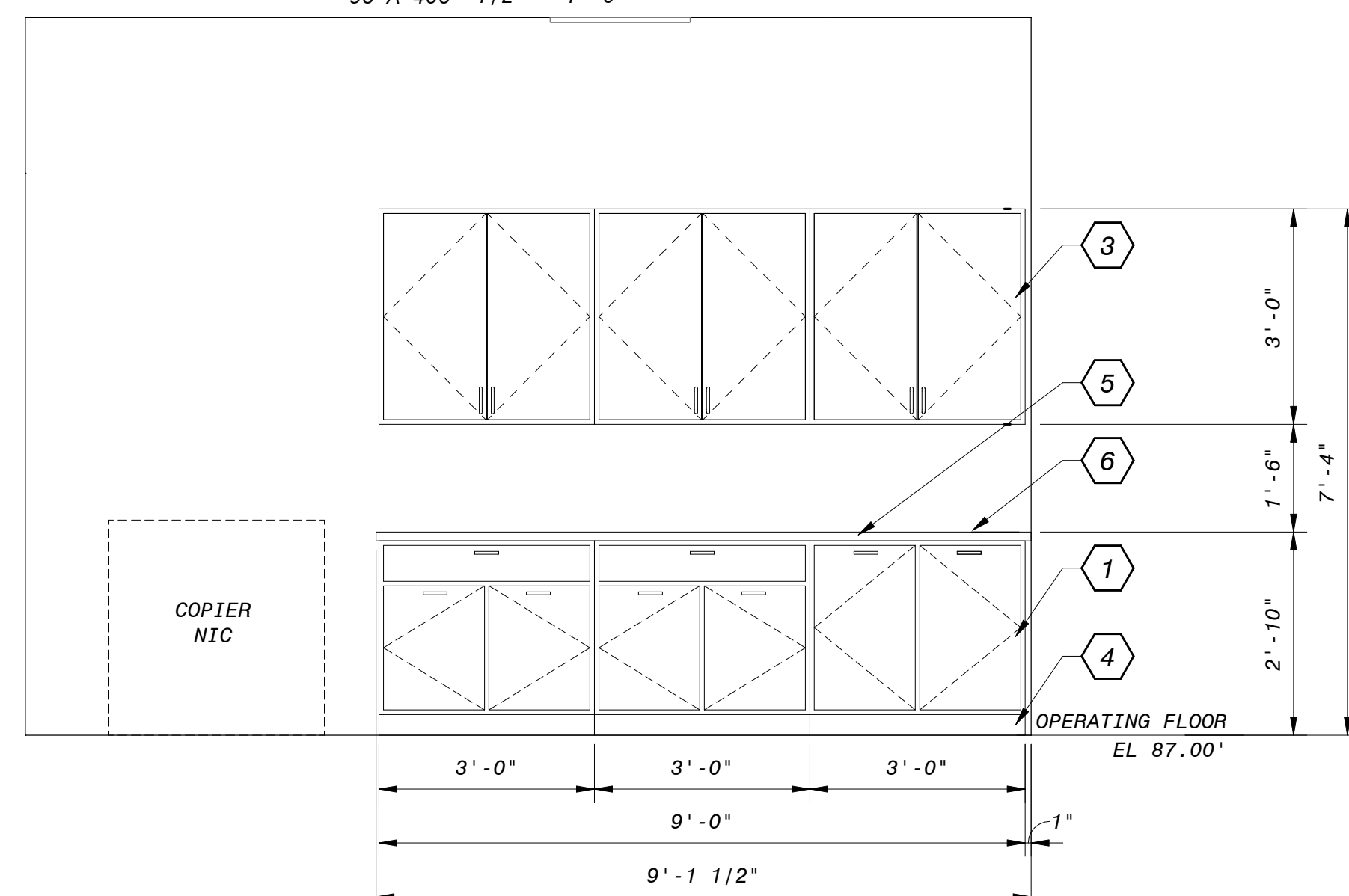
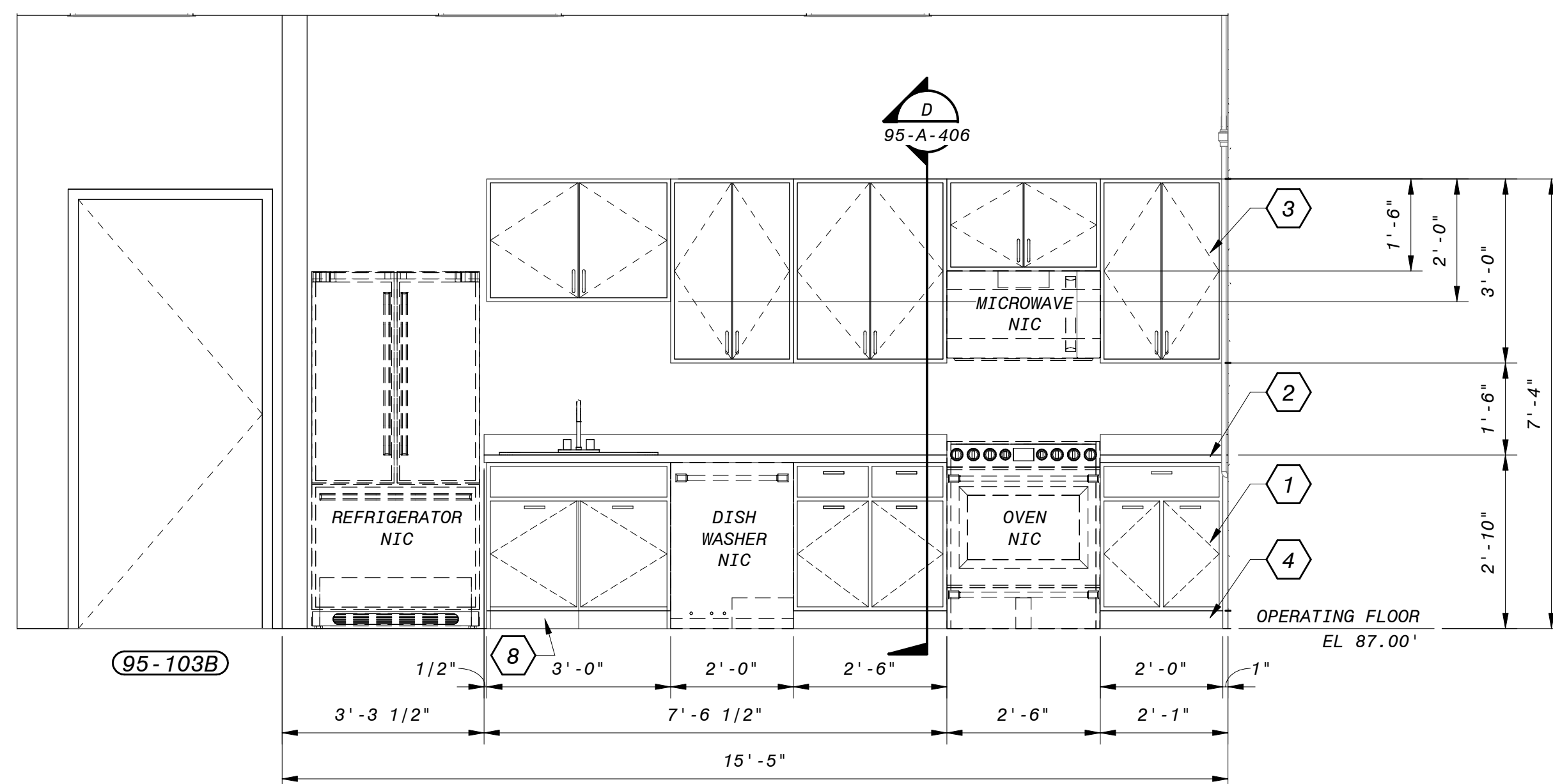
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DETAILED: ANH
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APPROVED: BDF
DATE: 5/19/2020

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IF THIS BAR DOES NOT
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NOT TO FULL SCALE

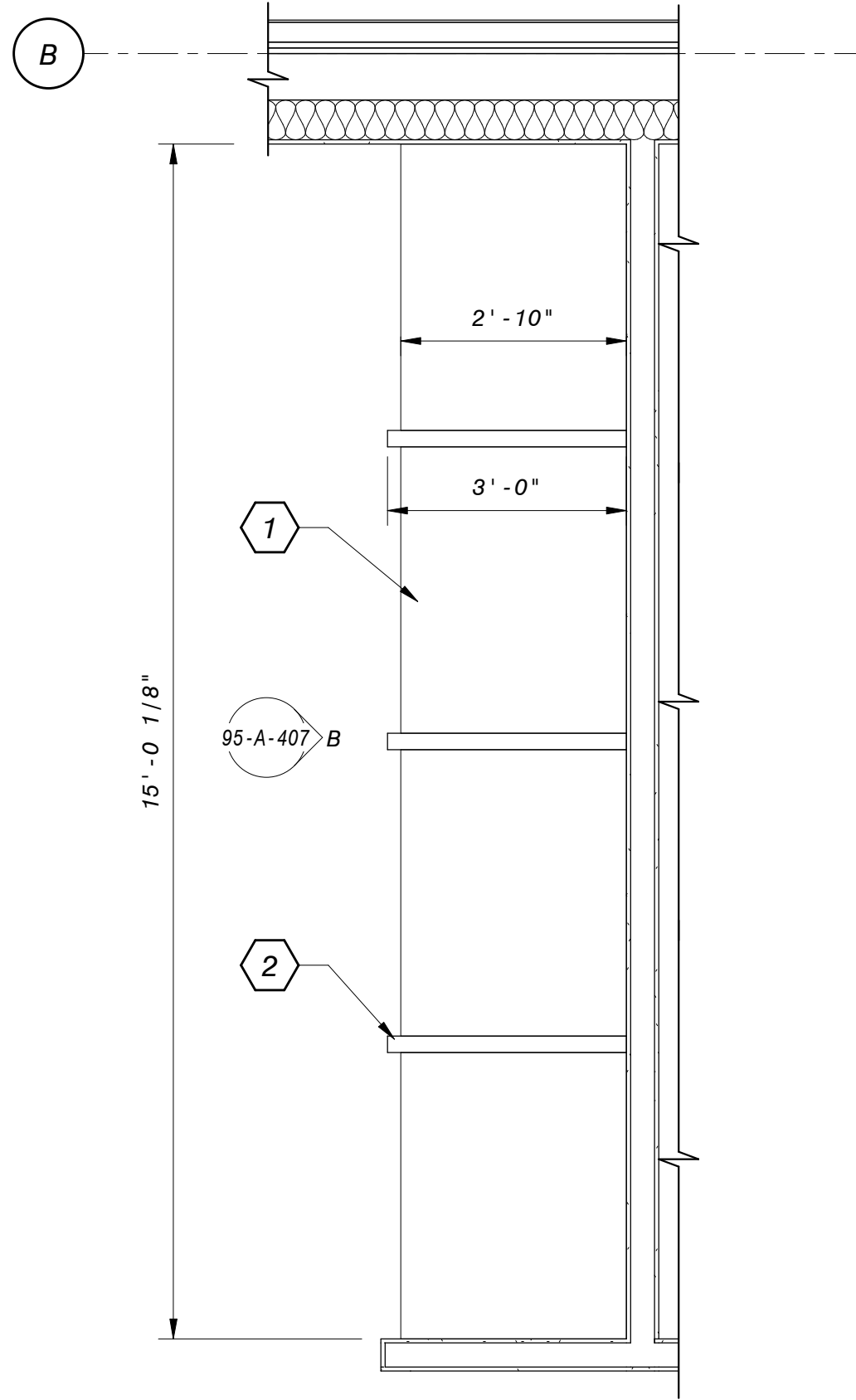
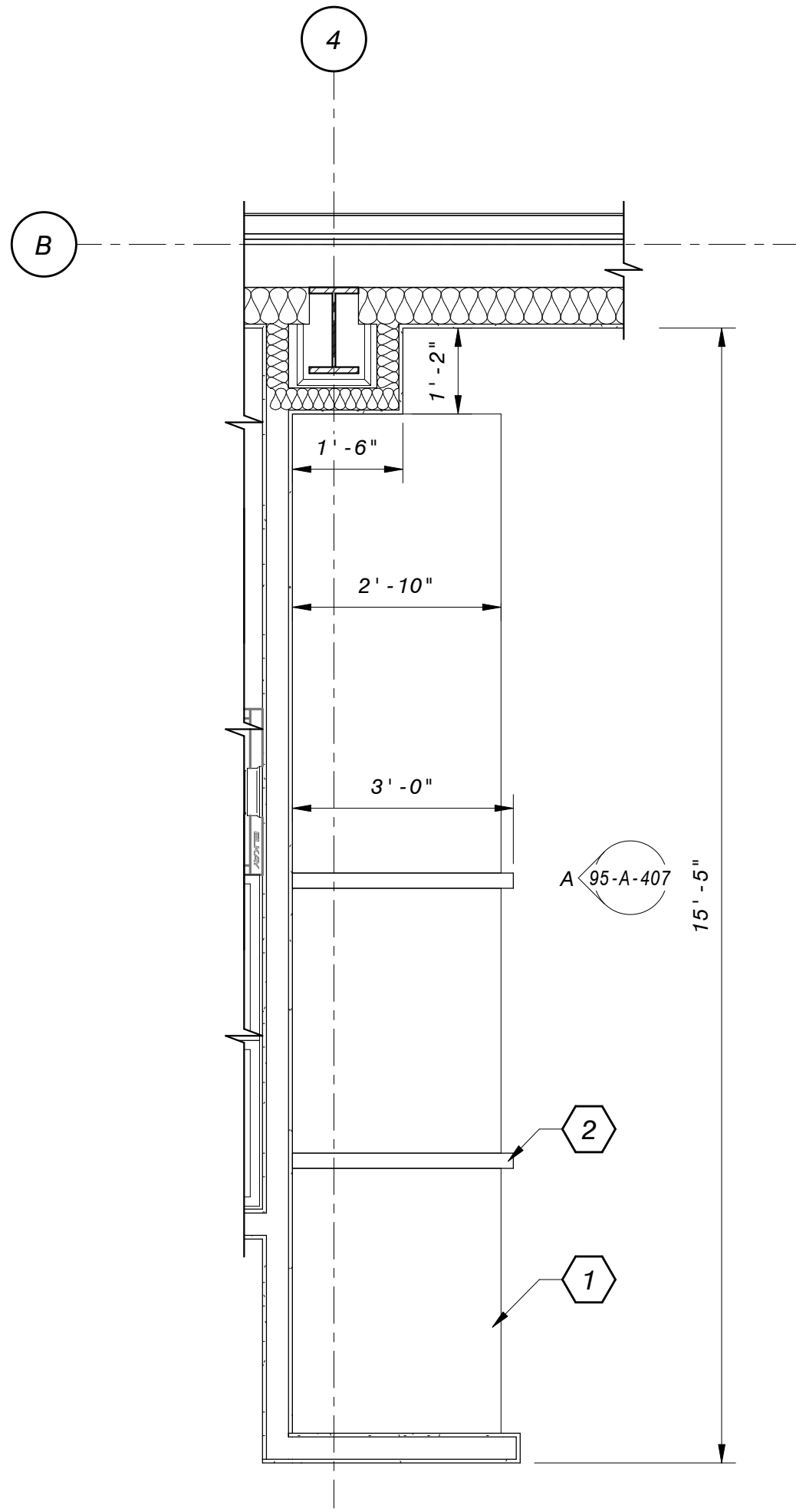
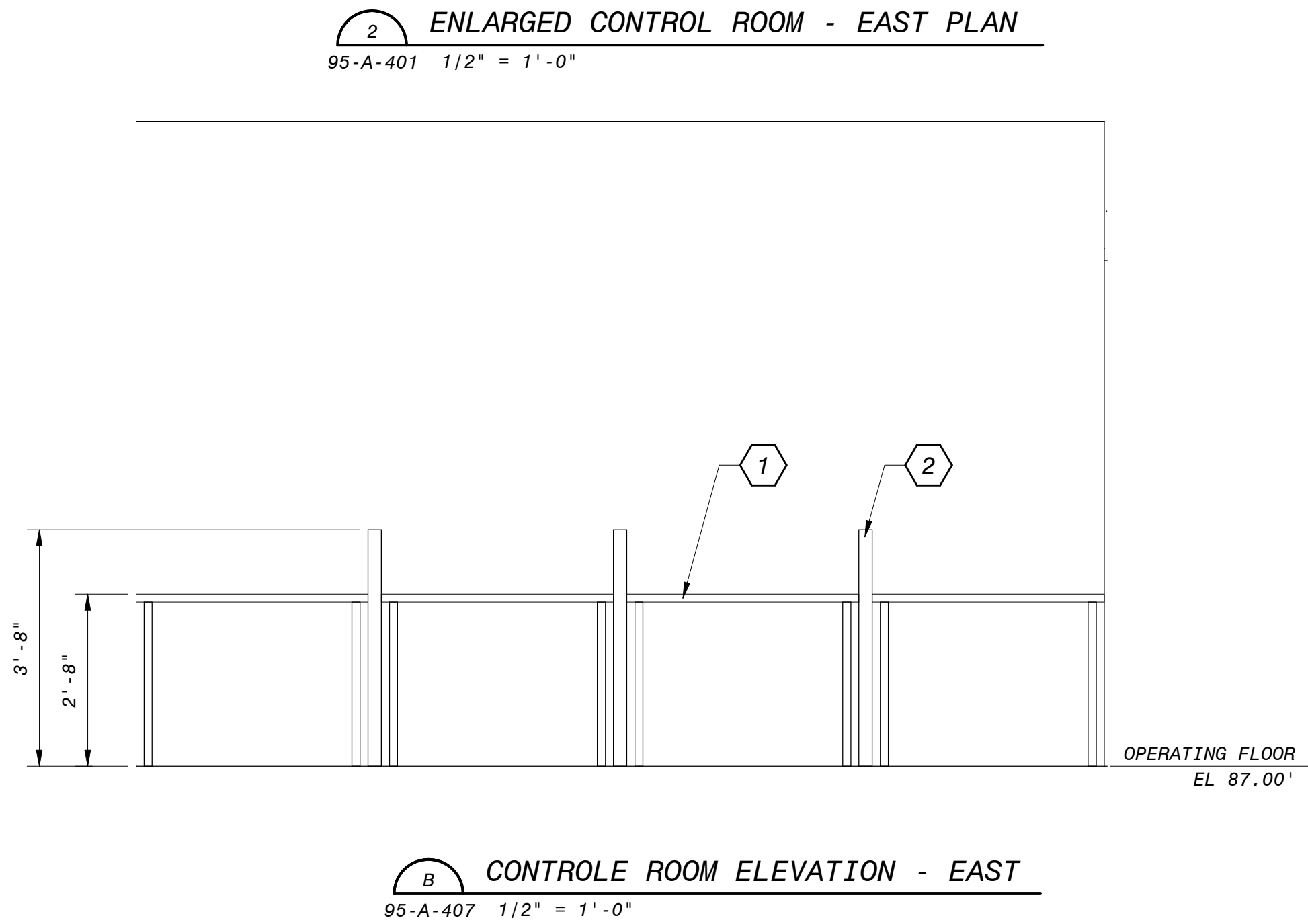
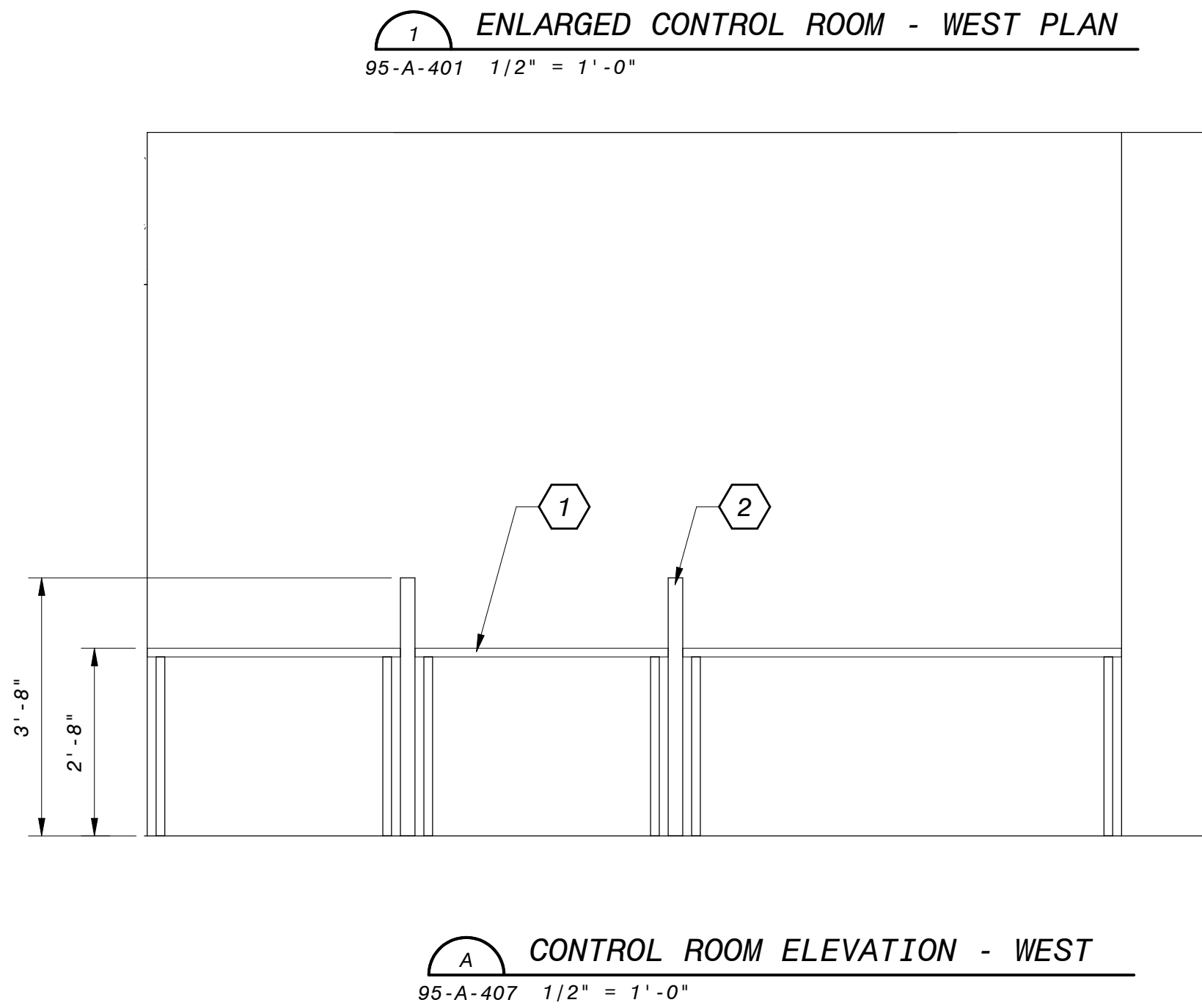
PROJECT NO.
400530

95-A-405
SHEET
296 OF 412

12' 6' 0' 1' 2' 3' 4' 5'
1/2" = 1'-0"



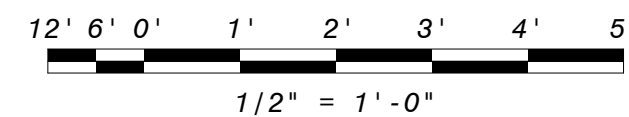
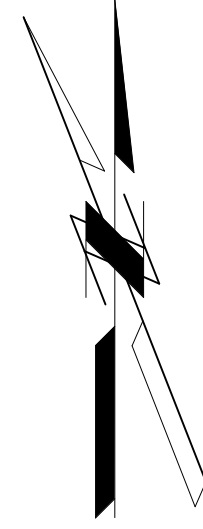
1. LAMINATE BASE CABINET
2. LAMINATE COUNTERTOP AND BACKSPLASH
3. LAMINATE WALL CABINET
4. TOE KICK WITH RESILIENT BASE
5. LAMINATE COUNTERTOP W/O BACKSPLASH
6. HOLES FOR TRASH AND RECYCLING CONTAINERS BELOW COUNTERTOP
7. LAMINATE MAIL SORTER
8. ATTACHED BASE FOR ACCESSIBLE APPROACH



GENERAL SHEET NOTES

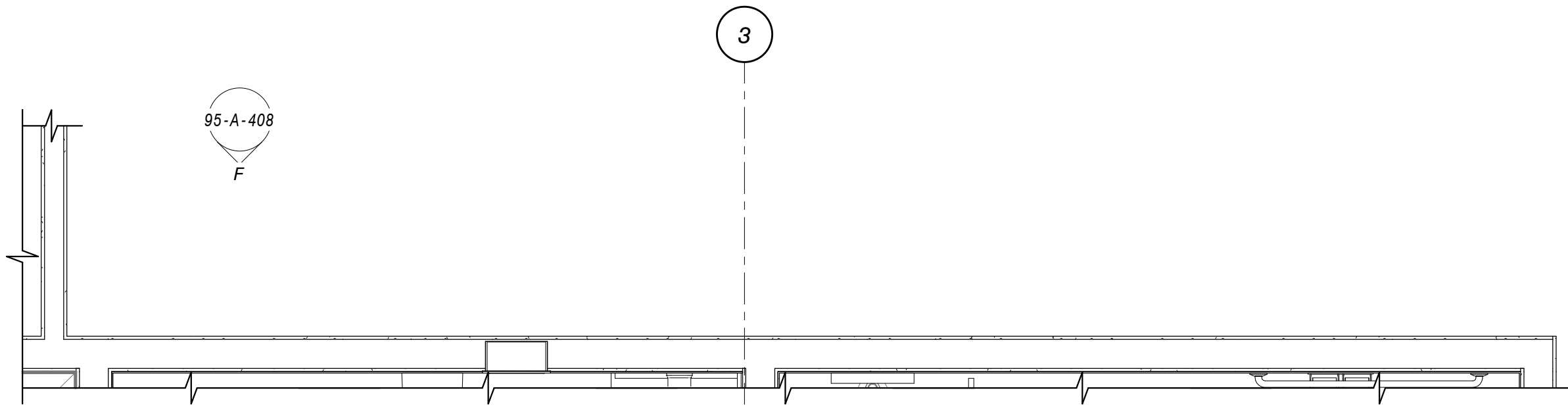
SHEET KEYNOTES

1. FREESTANDING HEIGHT ADJUSTABLE WORKSTATION
2. FABRIC WRAPPED WORKSTATION DIVIDER

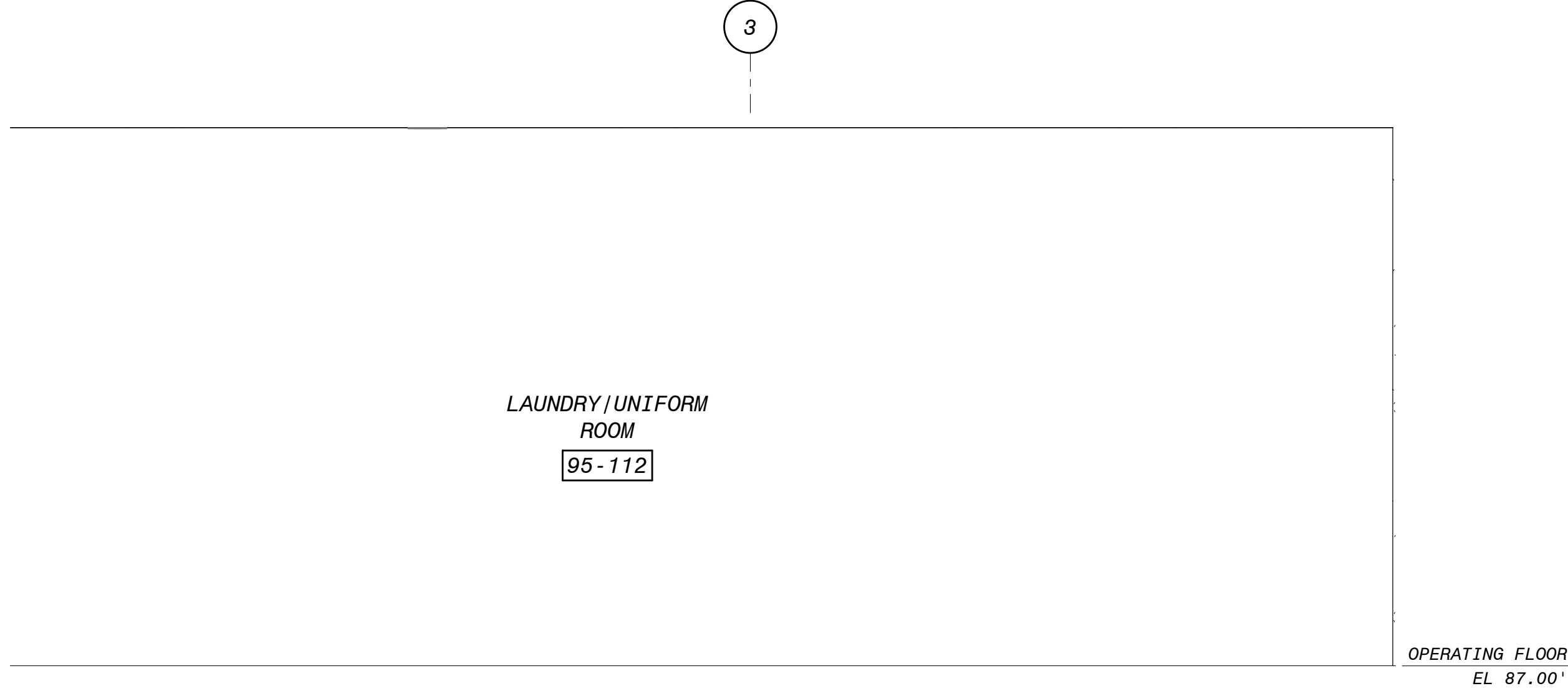


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DETAILED: ANH				
CHECKED: -				
APPROVED: BDF				
DATE: 5/19/2020				
PROJECT NO. 400530				
95-A-407				
SHEET 298 OF 412				
CITY OF MORRO BAY MORRO BAY WATER RECLAMATION FACILITY (WRF)				
OPERATIONS BUILDING ARCHITECTURAL ENLARGED CASEWORK PLANS AND ELEVATIONS				
FRASER SEIPLE ARCHITECTS				
JOINT VENTURE				
FILANC				
BLACK & VEATCH				
LICENSED ARCHITECT BRUCE DOUGLAS FRASER C-9787 STATE OF CALIFORNIA				
ISSUED FOR CONSTRUCTION				
REVISONS AND RECORD OF USE				
DATE				
5/19/2020				
NO.				
BY				
CHK				
APP				

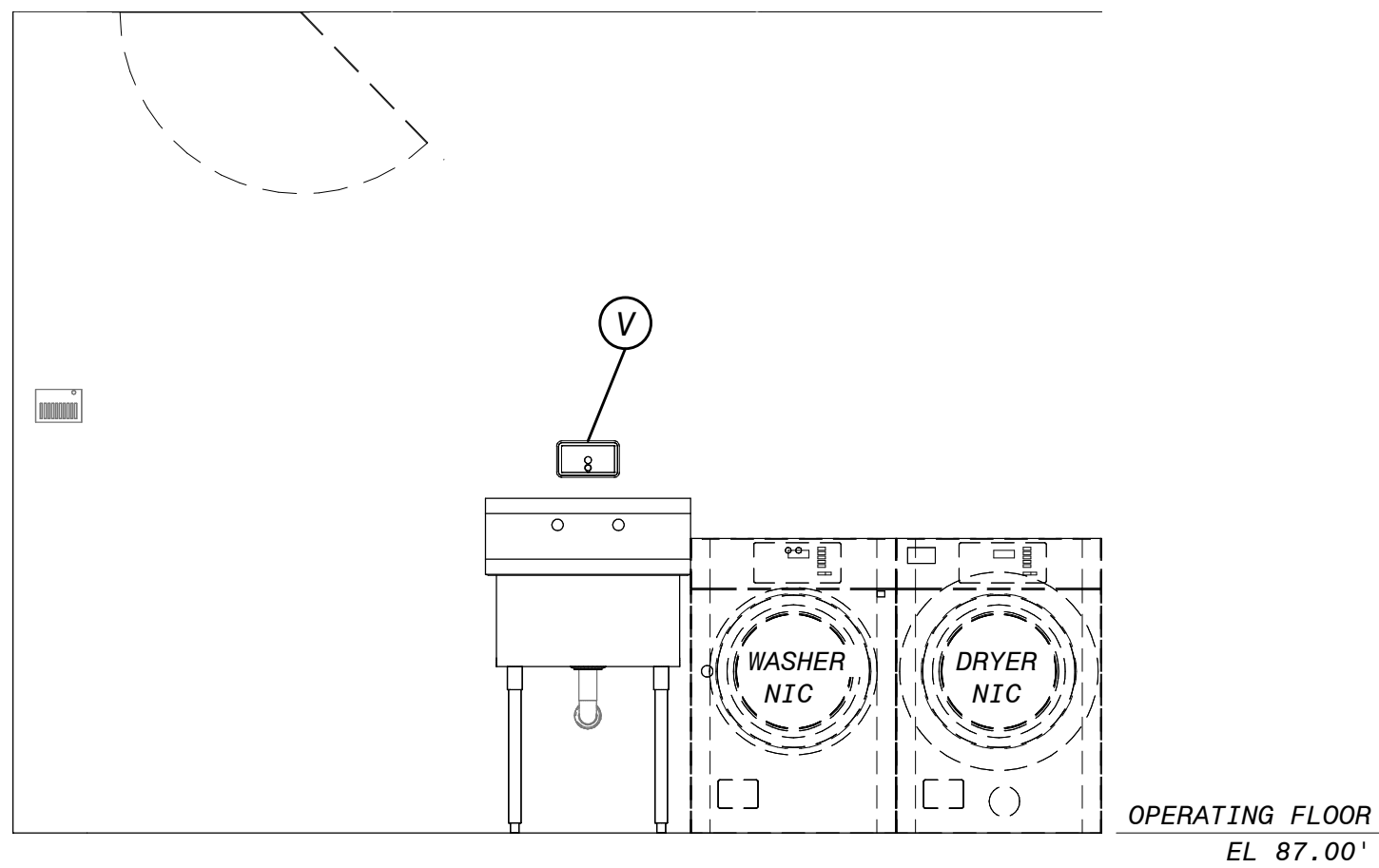
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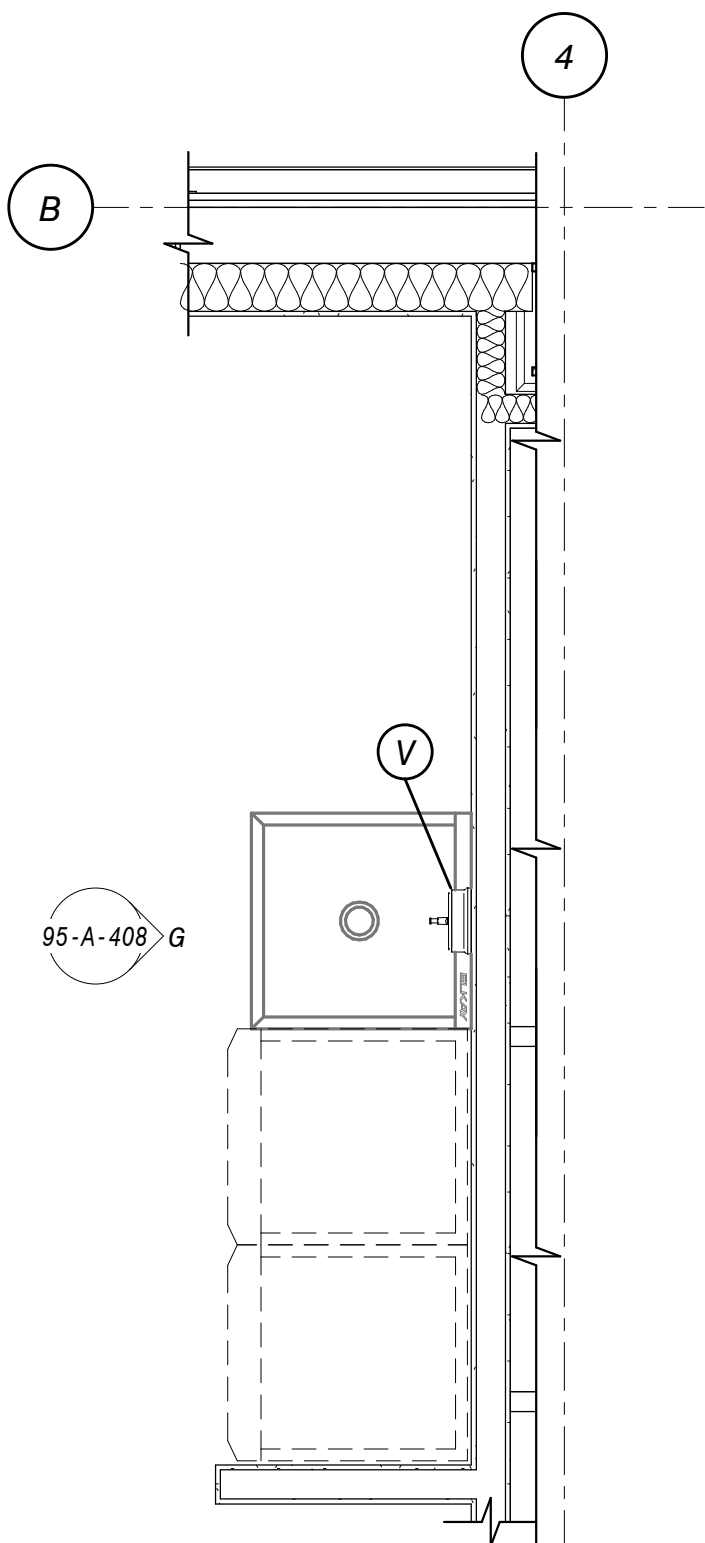
3 ENLARGED LAUNDRY/UNIFORM ROOM - SOUTH PLAN
95-A-402 1/2" = 1'-0"



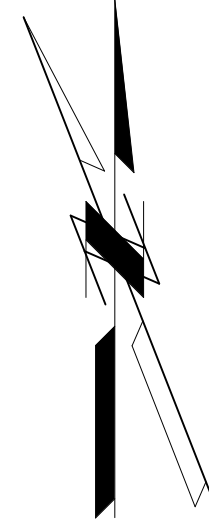
F LAUNDRY/UNIFORM ROOM - SOUTH
95-A-408 1/2" = 1'-0"



G LAUNDRY/UNIFORM ROOM - EAST
95-A-408 1/2" = 1'-0"



6 ENLARGED LAUNDRY/UNIFORM ROOM - EAST PLAN
95-A-402 1/2" = 1'-0"



GENERAL SHEET NOTES

SHEET KEYNOTES



CITY OF MORRO BAY
MORRO BAY WATER
RECLAMATION FACILITY (WRF)
OPERATIONS BUILDING
ARCHITECTURAL
ENLARGED CASEWORK PLANS AND ELEVATIONS

DESIGNED: BDF
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CHECKED: -
APPROVED: BDF
DATE: 5/19/2020

0 1/2 1
IF THIS BAR DOES NOT
MEASURE 1" THEN DRAWING IS
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PROJECT NO.
400530

95-A-408
SHEET
299 OF 412

12' 6' 0' 1' 2' 3' 4' 5'
1/2" = 1'-0"

ROOM No.	ROOM NAME	FLOOR		WALLS												CEILING			REMARKS
		MATERIAL	FINISH	NORTH			EAST			SOUTH			WEST			MATERIAL	FINISH	HEIGHT	
				MATERIAL	FINISH	BASE	MATERIAL	FINISH	BASE	MATERIAL	FINISH	BASE	MATERIAL	FINISH	BASE	MATERIAL	FINISH	HEIGHT	
OPERATIONS BUILDING																			
95-101	LOBBY	CO	CSPS	SF	ALUM	NO	SF	ALUM	NO	SF	ALUM	NO	GWB	PT	RB	GWB	PT	9' - 0"	
95-102	CONFERENCE ROOM	CO	CSPS	SF	ALUM	NO	GWB	PT	RB	GWB	PT	RB	GWB	PT	RB	SF	FF	9' - 0"	
95-103	BREAK ROOM	CO	CSPS	GWB	PT	RB	GWB	PT	RB	SF	ALUM	NO	GWB	PT	RB	SB	FF	10' - 0"	
95-104	TABLE/CHAIR STORAGE	CO	CSPS	GWB	PT	RB	GWB	PT	RB	GWB	PT	RB	GWB	PT	RB	GWB	PT	9' - 0"	
95-105	HALL 2	CO	CSPS	GWB	PT	RB	GWB	PT	RB	SF	ALUM	NO	GWB	PT	RB	GWB	PT	9' - 0"	
95-106	JANITORS CLOSET	CO	CS	CT/GWB	PT	CC/RB	GWB	PT	RB	GWB	PT	RB	CT/GWB	PT	CC/RB	GWB	PT	9' - 0"	
95-107	ELECTRICAL SERVER ROOM	CO	CS	GWB	PT	RB	GWB	PT	RB	GWB	PT	RB	GWB	PT	RB	GWB	PT	10' - 0"	
95-108	WOMENS LOCKER ROOM	CO	CSPS	CT/GWB	PT	CC	CT/GWB	PT	CC	CT/GWB	PT	CC	CT/GWB	PT	CC	CT/GWB	PT	9' - 0"	
95-109	UNISEX RESTROOM	CO	CSPS	CT/GWB	PT	CC	CT/GWB	PT	CC	CT/GWB	PT	CC	CT/GWB	PT	CC	GWB	PT	9' - 0"	
95-110	MAP ROOM	CO	CSPS	GWB	PT	RB	GWB	PT	RB	GWB	PT	RB	GWB	PT	RB	SB	FF	9' - 0"	
95-111	MENS LOCKER ROOM	CO	CSPS	CT/GWB	PT	CC	CT/GWB	PT	CC	CT/GWB	PT	CC	CT/GWB	PT	CC	GWB	PT	9' - 0"	
95-112	LAUNDRY/UNIFORM ROOM	CO	CSPS	SF/GWB	PT	RB	GWB	PT	RB	GWB	PT	RB	GWB	PT	RB	GWB	PT	9' - 0"	
95-113	ON CALL ROOM	CO	CSPS	GWB	PT	RB	GWB	PT	RB	GWB	PT	RB	GWB	PT	RB	GWB	PT	9' - 0"	
95-114	HALL 1	CO	CSPS	GWB	PT	RB	SF	ALUM	NO	GWB	PT	RB	-	-	-	GWB	PT	9' - 0"	
95-115	CONTROL ROOM	CO	CSPS	GWB	PT	RB	GWB	PT	RB	GWB	PT	RB	GWB	PT	RB	SB	FF	10' - 0"	
95-116	COPY ROOM	CO	CSPS	GWB	PT	RB	GWB	PT	RB	GWB	PT	RB	GWB	PT	RB	SB	FF	10' - 0"	
95-117	OFFICE 3	CO	CSPS	GWB	PT	RB	GWB	PT	RB	GWB	PT	RB	GWB	PT	RB	SB	FF	9' - 0"	
95-118	OFFICE 5	CO	CSPS	GWB	PT	RB	GWB	PT	RB	GWB	PT	RB	GWB	PT	RB	SB	FF	9' - 0"	
95-119	OFFICE 2	CO	CSPS	GWB	PT	RB	GWB	PT	RB	GWB	PT	RB	GWB	PT	RB	SB	FF	9' - 0"	
95-120	OFFICE 4	CO	CSPS	GWB	PT	RB	GWB	PT	RB	GWB	PT	RB	GWB	PT	RB	SB	FF	9' - 0"	
95-121	MANAGER OFFICE	CO	CSPS	GWB	PT	RB	GWB	PT	RB	GWB	PT	RB	GWB	PT	RB	SB	FF	9' - 0"	
95-122	SPRINKLER ROOM	CO	CS	GWB	PT	NO	GWB	PT	NO	GWB	PT	NO	GWB	PT	NO	GWB	PT	9' - 0"	
95-123	SAMPLE ROOM	CO	CSPS	GWB	PT	RB	GWB	PT	RB	GWB	PT	RB	GWB	PT	RB	GWB	PT	9' - 0"	

DOOR ID		DOOR SIZE		DOOR							FRAME				REMARKS
No. (D)		WIDTH	HEIGHT	MATERIAL	HEAD	JAMB	SILL	TYPE (D)	HARDWARE	RATING	MATERIAL	HEAD	JAMB	DEPTH	
OPERATIONS BUILDING															
95-101A		3'-0"	7'-0"	ALUM	22/00-A-001	-	23/00-A-001	C	1	-	ALUM	2"	2"	4 1/2"	SEE FRAME TYPE A - GLASS - 1" INSULATED
95-102A		3'-0"	7'-0"	ALUM	-	-	-	C	2	-	ALUM	2"	2"	4 1/2"	SEE FRAME TYPE J - GLASS - 1/4" CLEAR TEMPERED
95-103A	PR	3'-2"	7'-0"	ALUM	22/00-A-001	-	23/00-A-001	C/C	3	-	ALUM	0"	8"	4 1/2"	SEE FRAME TYPE D - GLASS - 1" INSULATED
95-103B		3'-0"	7'-0"	HM	-	-	-	A	4	-	HM	2"	2"	5 3/4"	
95-104A	PR	3'-0"	7'-0"	HM	-	-	-	A/A	5	-	HM	2"	2"	5 3/4"	
95-105A		3'-0"	7'-0"	ALUM	22/00-A-001	-	23/00-A-001	C	1	-	ALUM	2"	2"	4 1/2"	SEE FRAME TYPE E - GLASS - 1" INSULATED
95-106A		3'-0"	7'-0"	HM	-	-	-	A	6	-	HM	2"	2"	5 3/4"	
95-107A		3'-0"	7'-0"	HM	-	-	-	A	6	90 MIN	HM	2"	2"	5 3/4"	
95-108A		3'-0"	7'-0"	HM	-	-	-	A	7	-	HM	2"	2"	5 3/4"	
95-109A		3'-0"	7'-0"	HM	-	-	-	A	8	-	HM	2"	2"	5 3/4"	
95-110A		3'-0"	7'-0"	HM	-	-	-	A	9	-	HM	2"	2"	5 3/4"	
95-110B		3'-0"	7'-0"	HM	-	-	-	A	9	-	HM	2"	2"	5 3/4"	
95-111A		3'-0"	7'-0"	HM	-	-	-	A	7	-	HM	2"	2"	5 3/4"	
95-112A		3'-0"	7'-0"	ALUM	22/00-A-001	-	23/00-A-001	C	1	-	ALUM	2"	2"	4 1/2"	SEE FRAME TYPE E - GLASS - 1" INSULATED
95-113A		3'-0"	7'-0"	HM	-	-	-	A	10	-	HM	2"	2"	5 3/4"	
95-114A		3'-0"	7'-0"	ALUM	-	-	-	C	11	-	ALUM	2"	2"	4 1/2"	SEE FRAME TYPE K - GLASS - 1/4" CLEAR TEMPERED
95-117A		3'-0"	7'-0"	HM	-	-	-	B	12	-	HM	2"	2"	5 3/4"	
95-118A		3'-0"	7'-0"	HM	-	-	-	B	12	-	HM	2"	2"	5 3/4"	
95-119A		3'-0"	7'-0"	HM	-	-	-	B	12	-	HM	2"	2"	5 3/4"	
95-120A		3'-0"	7'-0"	HM	-	-	-	B	12	-	HM	2"	2"	5 3/4"	
95-121A		3'-0"	7'-0"	HM	-	-	-	B	12	-	HM	2"	2"	5 3/4"	
95-122A		3'-0"	7'-0"	FRP	10/00-A-001	31 AND 32/00-A-001	40/00-A-001	A	13	-	FRP	2"	2"	5 3/4"	
95-123A		3'-0"	7'-0"	FRP	10/00-A-001	31 AND 32/00-A-001	40/00-A-001	A	13	-	FRP	2"	2"	5 3/4"	

QTY	TYPE (WS)	OPENING		WINDOW							REMARKS	
		WIDTH	HEIGHT	MATERIAL	HEAD	JAMB	MULLION	SILL	GLASS	TOP ELEV		
OPERATIONS BUILDING												
1	A	22' - 8"	9' - 0"	ALUM	10/00-A-001	11 AND 12/00-A-001	-	21/00-A-001	1" INSULATED	96.00'	SEE DOOR 95-101A	
1	B	4' - 8"	9' - 0"	ALUM	10/00-A-001	11 AND 12/00-A-001	-	21/00-A-001	1" INSULATED	96.00'		
1	C	14' - 0"	9' - 0"	ALUM	-	12/00-A-001	-	20/00-A-001	1" INSULATED	96.00'		
1	D	6' - 8"	9' - 0"	ALUM	10/00-A-001	-	22/00-A-001	23/00-A-001	1" INSULATED	96.00'	SEE DOOR 95-103A	
2	E	5' - 4"	9' - 0"	ALUM	10/00-A-001	11 AND 12/00-A-001	-	21/00-A-001	1" INSULATED	96.00'		
5	H	3' - 0"	5' - 6"	ALUM	10/00-A-001	11/00-A-001	-	20/00-A-001	1" INSULATED	96.00'	3' - 6" HIGH OPERABLE LIT W/ FIXED TRANSOM	
1	I	9' - 6"	5' - 6"	ALUM	10/00-A-001	12/00-A-001	-	20/00-A-001	1" INSULATED	96.00'	FIXED	
1	J	8' - 9 1/8"	9' - 0"	ALUM	-	-	-	-	1/4" TEMPERED	96.00'	SEE DOOR 95-102A	
1	K	9' - 3 3/4"	9' - 0"	ALUM	-	-	-	-	1/4" TEMPERED	96.00'	SEE DOOR 95-114A	
1	L	2' - 0"	3' - 0"	ALUM	-	-	-	-	1/4" TEMPERED	92.67'	INTERBANK MODEL T1-24S	

QTY	TYPE (W)	OPENING		WINDOW						REMARKS	
		WIDTH	HEIGHT	MATERIAL	HEAD	JAMB	MULLION	SILL	GLASS		TOP ELEV
OPERATIONS BUILDING											
2	F	3' - 0"	3' - 6"	ALUM	50/00-A-001	51/00-A-001	-	52/00-A-001	1* INSULATED	94.17'	FIXED
2	G	3' - 0"	3' - 6"	ALUM	-	-	-	-	1* INSULATED	94.17'	OPERABLE

LOUVER ID	OPENING		LOUVER					REMARKS
	No. (L)	WIDTH	HEIGHT	TYPE	HEAD	JAMB	SILL	
OPERATIONS BUILDING								
95-201A	4' - 0"	4' - 0"	ALUM	30/00-A-002	31/00-A-002	33/00-A-002	103.00'	
95-201B	4' - 0"	4' - 0"	ALUM	30/00-A-002	31/00-A-002	33/00-A-002	113.67'	
95-201C	4' - 0"	4' - 0"	ALUM	30/00-A-002	31/00-A-002	33/00-A-002	113.67'	
95-201D	2' - 0"	2' - 0"	ALUM	30/00-A-002	31/00-A-002	33/00-A-002	99.00'	
95-201E	4' - 0"	4' - 0"	ALUM	30/00-A-002	31/00-A-002	33/00-A-002	113.67'	
95-201F	4' - 0"	4' - 0"	ALUM	30/00-A-002	31/00-A-002	33/00-A-002	113.67'	

ALUM - ALUMINUM
CB - CONCRETE BLOCK (?)
CC - CERAMIC COVE BASE
CO - CONCRETE
CP - CARPET (?)
CS - SEALED CONCRETE
CSPS - STAINED, POLISHED AND SEALED CONCRETE
CT - CERAMIC TILE (WALL)
EXP - EXPOSED CONSTRUCTION (?)
FF - FACTORY FINISH
FRP - FIBER REINFORCED PLASTIC
FS - FLOOR SEALER (?)
GWB - GYPSUM WALLBOARD
HM - HOLLOW METAL
MT - MOSAIC TILE (?)
NO - NONE
PP - PORCELAIN PAVER TILE (?)
PT - PAINTED
RB - RUBBER BASE
RT - RUBBER TILE (?)
SA - SUSPENDED ACOUSTICAL PANEL (24"x 24") (?)
SB - SUSPENDED ACOUSTICAL PANEL (24"x 48")
SF - GLAZED STOREFRONT
WD - WOOD (?)

Technical drawings of three window units, labeled F, G, and L, showing dimensions and components.

Unit F: A rectangular unit with overall dimensions of 3' - 0" by 3' - 0". It features a central opening of 2' - 8" by 2' - 8". The unit is labeled "INSULATED GLASS" and "1/4" TEMPERED GLASS".

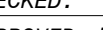
Unit G: A rectangular unit with overall dimensions of 3' - 0" by 3' - 0". It features a central opening of 2' - 8" by 2' - 8". The unit is labeled "INSULATED GLASS" and "1/4" TEMPERED GLASS". It also includes a "STAINLESS STEEL SPEAK-THRU" component.

Unit L: A rectangular unit with overall dimensions of 3' - 0" by 3' - 0". It features a central opening of 2' - 8" by 2' - 8". The unit is labeled "INSULATED GLASS" and "1/4" TEMPERED GLASS". It also includes a "STAINLESS STEEL SPEAK-THRU" component.



CITY OF MORRO BAY
MORRO BAY WATER
RECLAMATION FACILITY (WRF)

*OPERATIONS BUILDING
ARCHITECTURAL
SCHEDULES*

DESIGNED: BDF
DETAILED: ANH
CHECKED: -
APPROVED: BDF
DATE: 5/19/2020
 <p>IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE</p>
<p>PROJECT NO. 400530</p> <p>95-A-601</p> <p>SHEET 300 OF 412</p>