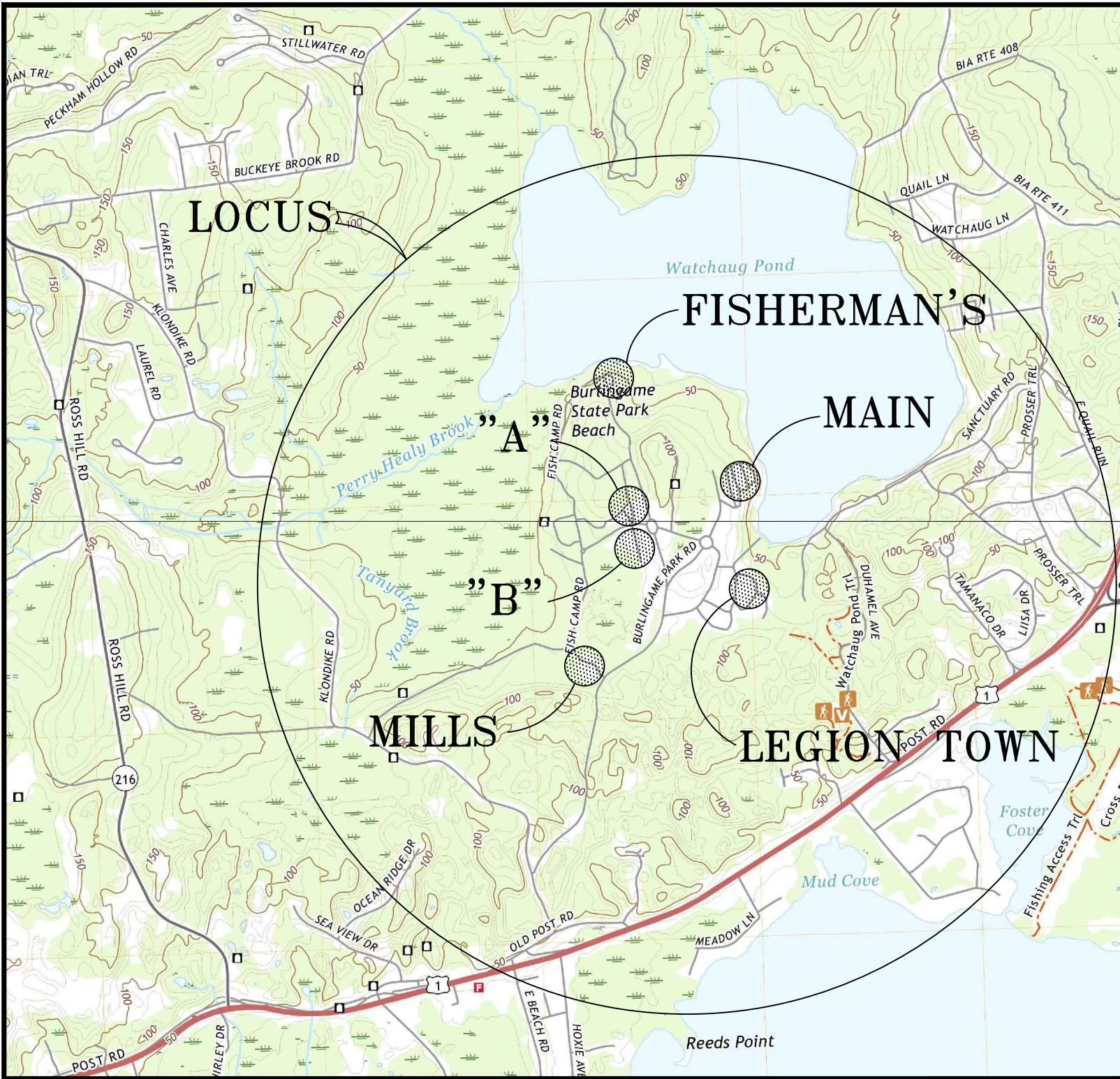


STATE OF RHODE ISLAND

D ■ E ■ M



LOCUST MAP

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT DIVISION OF PLANNING AND DEVELOPMENT DEMOLITION AND REBUILD OF BATHHOUSES BURLINGAME STATE PARK AND CAMPGROUND CHARLESTOWN, RHODE ISLAND

OCTOBER 2023

LIST OF DRAWINGS

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2	EC-0	GENERAL OVERALL EXISTING CONDITIONS MAP
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15 - 20	C-2.1 THRU C-2.6	ONSITE WASTEWATER TREATMENT SYSTEM DETAILS
21 - 22	C-3.1 AND C-3.2	ONSITE WASTEWATER TREATMENT SYSTEM DETAILS
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54 - 70	Ab-1 THRU Ab-17	ARCHITECTURAL PLANS AND DETAILS BATHHOUSES - MAIN CAMP, FISH CAMP AND LEGION TOWN
71 - 73	M1.1 THRU M1.3	MECHANICAL PLANS, SCHEDULES AND DETAILS BATHHOUSES "A", "B" AND MILL CAMP
74 - 76	M1.4 THRU M1.6	MECHANICAL PLANS, SCHEDULES AND DETAILS BATHHOUSES - MAIN CAMP, FISH CAMP AND LEGION TOWN
77 - 92	P1.1 THRU P5.2	PLUMBING PLANS AND DETAILS BATHHOUSES "A", "B", MILL CAMP, MAIN CAMP, FISH CAMP AND LEGION TOWN
93 - 100	E0.1 THRU E5.0	ELECTRICAL PLANS
101 - 106	ES1.0 THRU ES1.5	ELECTRICAL SITE PLANS

CIVIL/STRUCTURAL ENGINEER

CAPUTO AND WICK LTD.
1150 PAWTUCKET AVENUE
RUMFORD, R.I. 02916
(401) 434-8880

SHEETS EC-1 TO 7, C-1 THRU C-8,
S/Sb-1 THRU S/Sb-5 AND S-6

MECHANICAL ENGINEER

STERLING ENGINEERING CO., INC.
79 MAIN STREET
STURBRIDGE, MA 01566
(508) 347-9101

SHEETS M-1.1 TO M-1.6 AND P-1.1 TO P-5.2

CAPUTO AND WICK LTD. - 1150 PAWTUCKET AVENUE - RUMFORD R.I. 02916

ARCHITECT

GEORGE S. BURMAN, AIA
66 HIGHLAND ROAD
BRISTOL, RI 02809
(617) 901-0304

SHEETS A/Ab-1 TO A/Ab-17

ELECTRICAL ENGINEER

WILKINSON ASSOCIATES INC.
615 JEFFERSON BOULEVARD
WARWICK, RI 02886
(401) 737-6386

SHEETS E-0.1 TO E-5.0 AND
SHEETS ES-1.0 TO ES-1.5

BURLINGAME STATE PARK AND CAMPGROUND

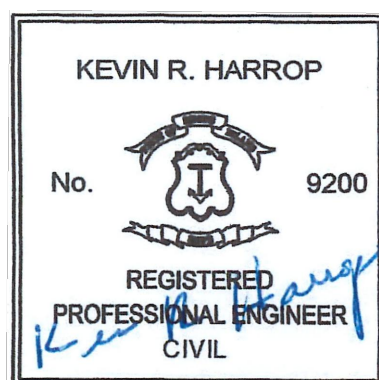
STATE OF RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
DIVISION OF PLANNING AND DEVELOPMENT

DEMOLITION AND REBUILD OF BATHHOUSES
BURLINGAME STATE PARK AND CAMPGROUND
CHARLESTOWN, RHODE ISLAND

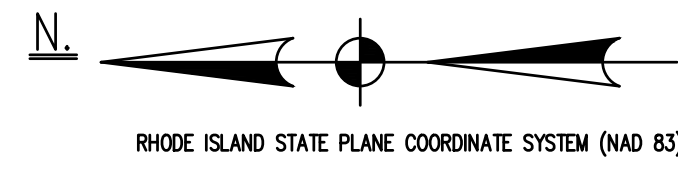
COVER SHEET

Dwg: Scale: Contract No. x Date: OCTOBER 6, 2023

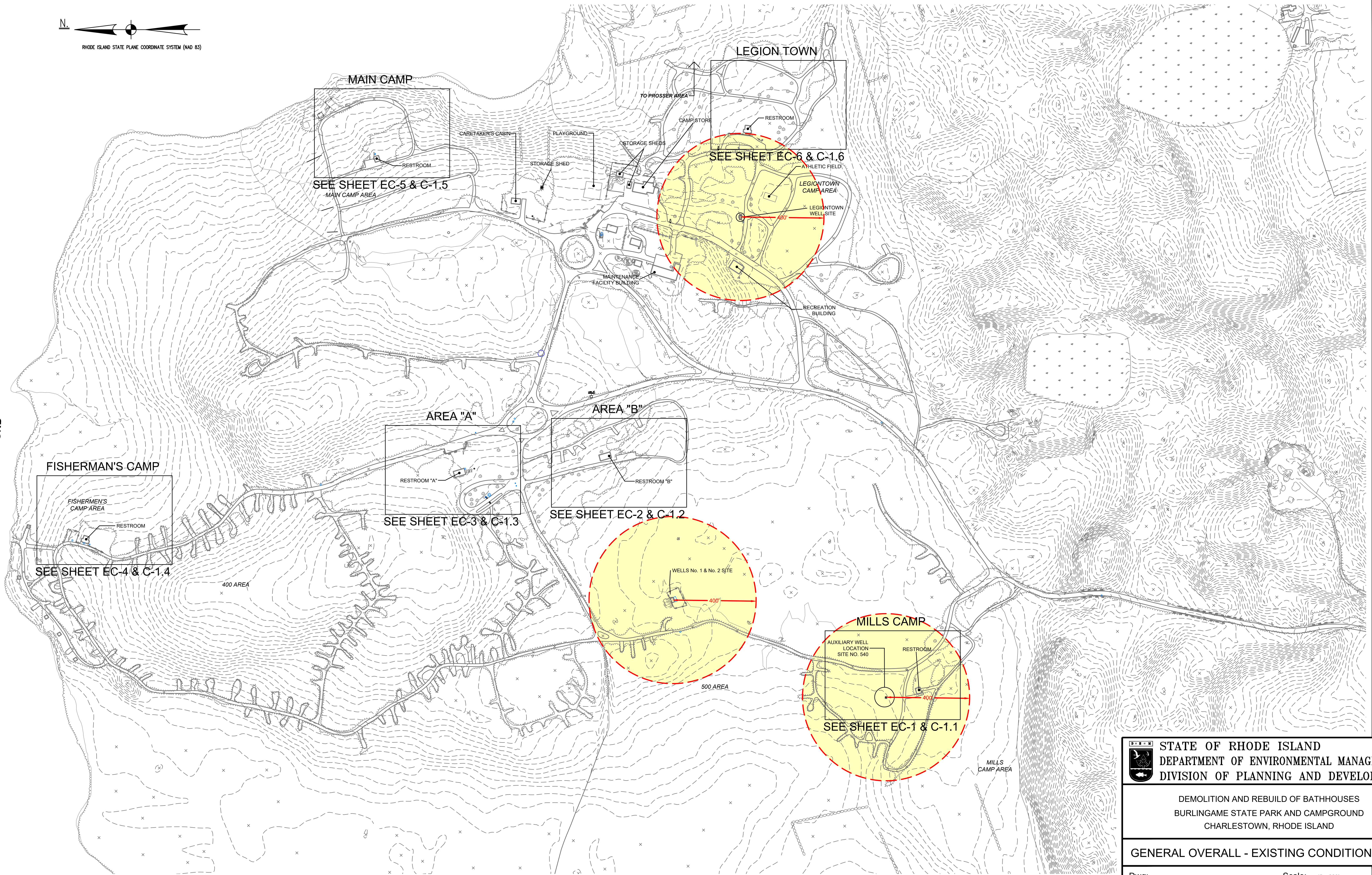
CVR-0
1 OF 106



SHEETS 9 THRU 36



WATCHAUG POND



BURLINGAME STATE PARK AND CAMPGROUND

STATE OF RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
DIVISION OF PLANNING AND DEVELOPMENT

DEMOLITION AND REBUILD OF BATHHOUSES
BURLINGAME STATE PARK AND CAMPGROUND
CHARLESTOWN, RHODE ISLAND

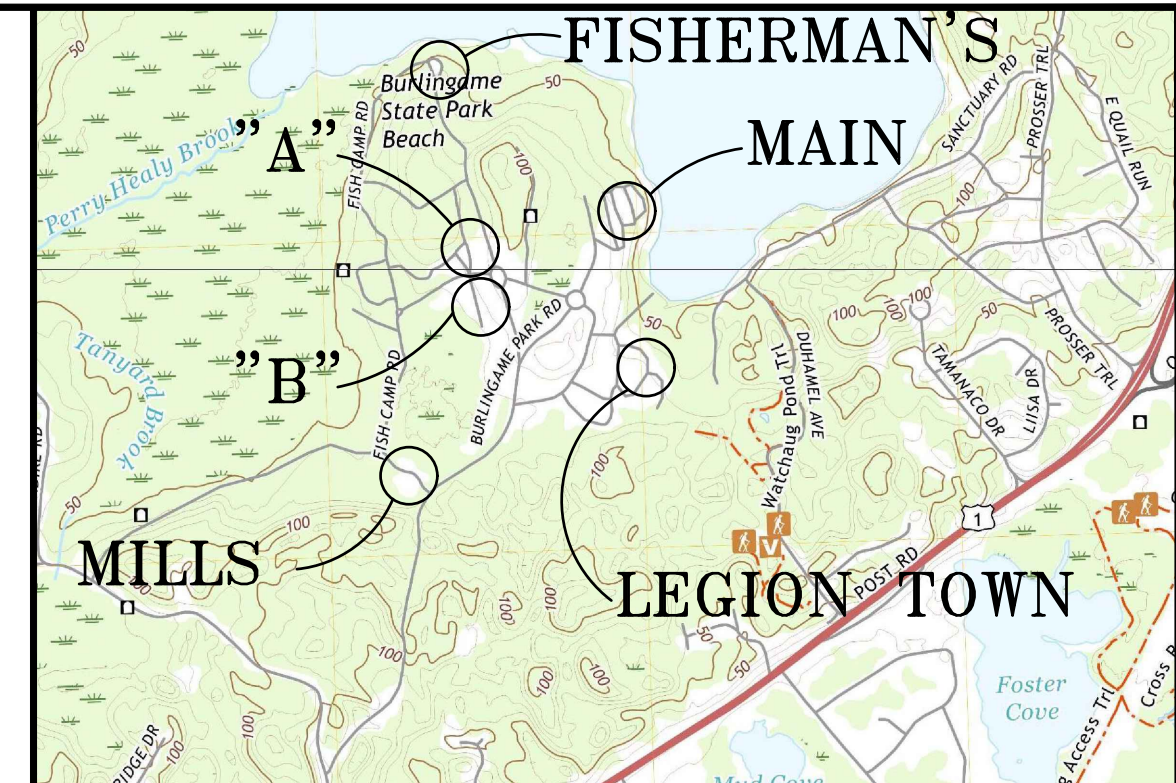
GENERAL OVERALL - EXISTING CONDITIONS MAP

Dwg: _____ Scale: 1" = 200'
Contract No. x _____ Date: OCTOBER 6, 2023

EC-0
2 OF 106

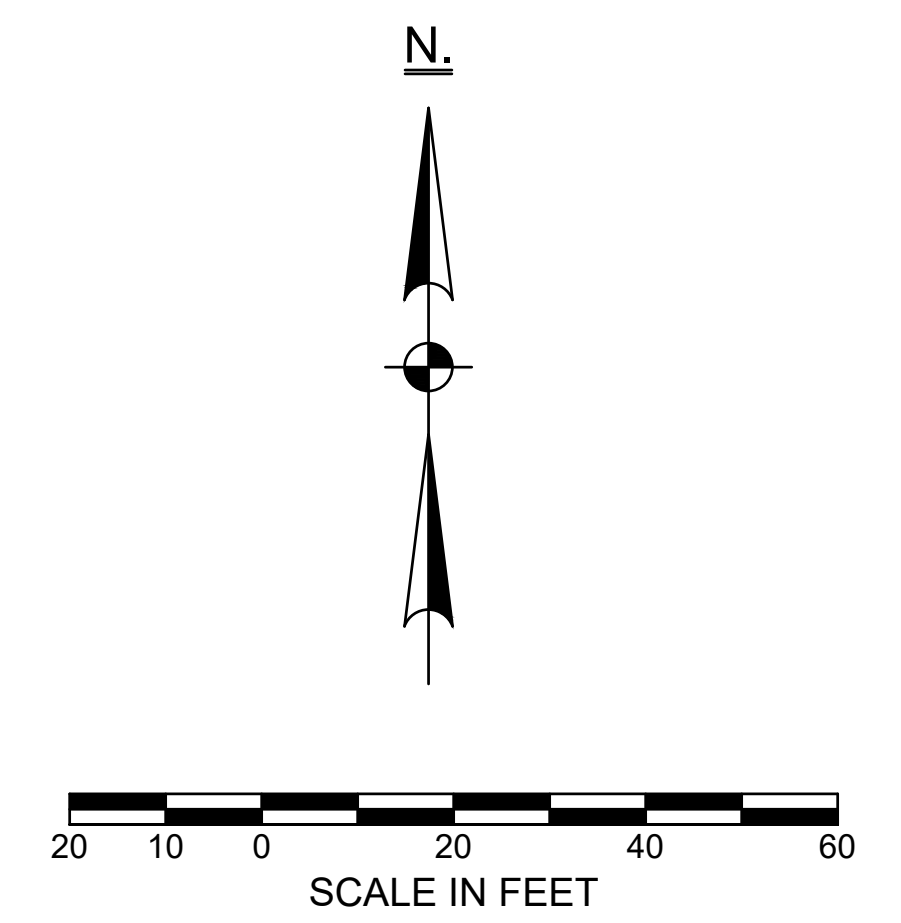
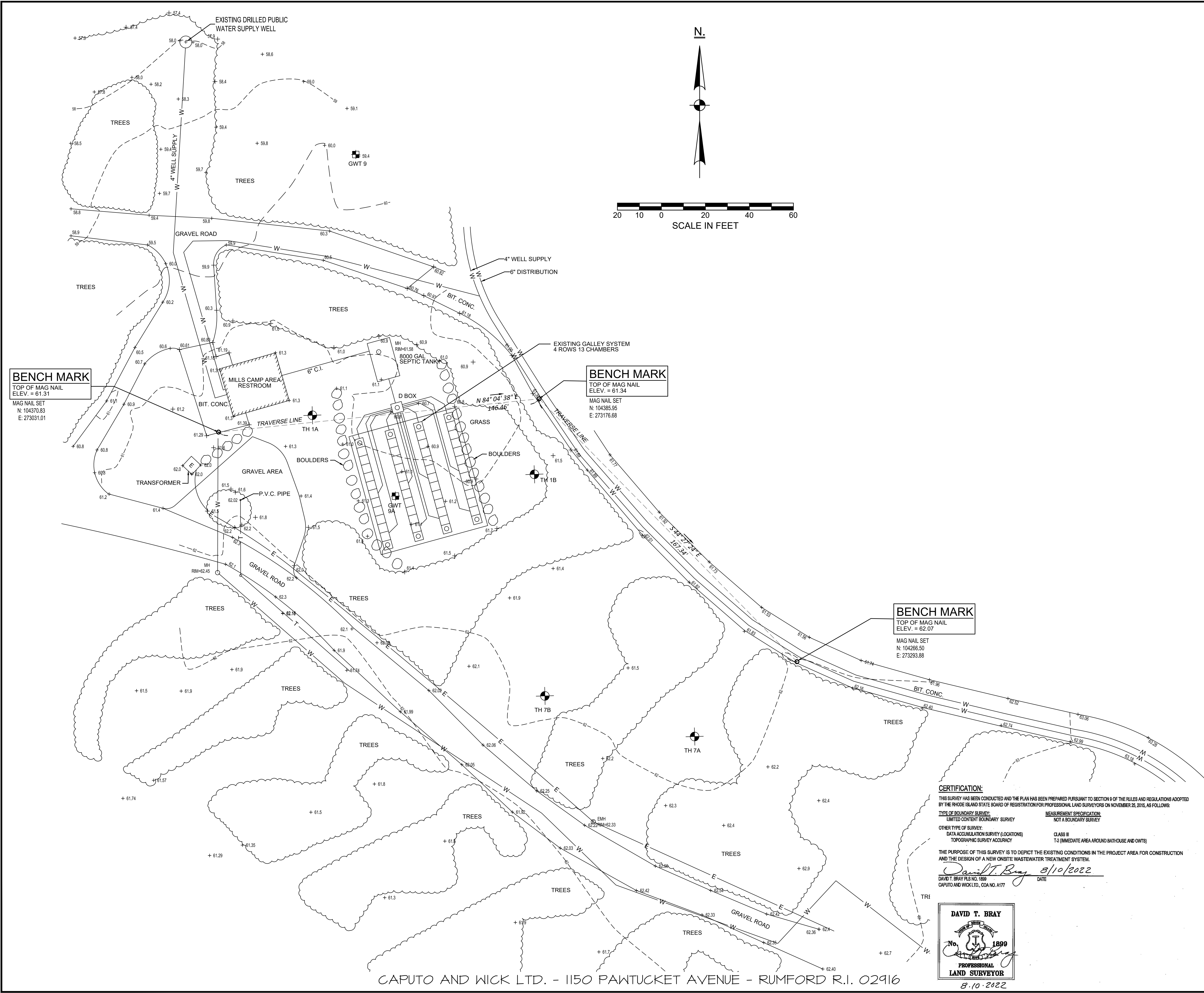
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OCTOBER 6, 2023



LOCUS MAP

BURLINGAME STATE PARK AND CAMPGROUND



BENCH MARK
TOP OF MAG NAIL
ELEV. = 61.31
MAG NAIL SET
N: 104370.83
E: 273031.01

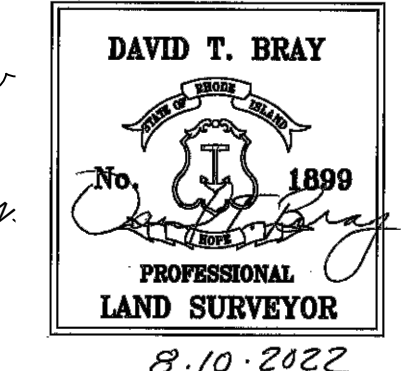
BENCH MARK
TOP OF MAG NAIL
ELEV. = 61.34
MAG NAIL SET
N: 104385.95
E: 273176.68

BENCH MARK
TOP OF MAG NAIL
ELEV. = 62.07
MAG NAIL SET
N: 104266.50
E: 273293.88

LEGEND

-----	STONE WALL
PLAT 100 - LOT 10	ASSESSORS PLAT/LOT NUMBER
EXIST.	EXISTING
N	NORTH
S	SOUTH
E	EAST
W	WEST
TL	TRAVERSE LINE
RT	RIGHT
LT	LEFT
S.F.	SQUARE FEET
R.O.W.	RIGHT OF WAY
S.H.L.	STATE HIGHWAY LINE
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
PT.	POINT OF TANGENCY
STA.	STATION
°	DEGREE
'	MINUTE/FEET
''	SECONDS
Δ	DELTA
NO.	NUMBER
NAVD 88	NORTH AMERICAN VERTICAL DATUM OF 1988
NAD 83	NORTH AMERICAN HORIZONTAL DATUM OF 1983
I.R.	IRON ROD
P.L.	PROPERTY LINE
P. COR.	PROPERTY CORNER
OS/S X	OAK STAKE WITH NAIL
REC.	RECORD MEASUREMENT
MEAS.	FIELD MEASUREMENT
+ 00.00	SPOT ELEVATION
---	TRAVERSE LINE
---	COUNTOUR MAJOR
---	COUNTOUR MINOR
---	EDGE OF TREE LINE

CERTIFICATION:
THIS SURVEY HAS BEEN CONDUCTED AND THE PLAN HAS BEEN PREPARED PURSUANT TO SECTION 9 OF THE RULES AND REGULATIONS ADOPTED BY THE RHODE ISLAND STATE BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS ON NOVEMBER 25, 2015, AS FOLLOWS:
TYPE OF BOUNDARY SURVEY: LIMITED CONTENT BOUNDARY SURVEY
MEASUREMENT SPECIFICATION: NOT A BOUNDARY SURVEY
OTHER TYPE OF SURVEY: DATA ACQUISITION SURVEY (LOCATIONS)
CLASS II
TOPOGRAPHIC SURVEY ACCURACY
T-2 (IMMEDIATE AREA AROUND BATHHOUSE AND OWTB)
THE PURPOSE OF THIS SURVEY IS TO DEPICT THE EXISTING CONDITIONS IN THE PROJECT AREA FOR CONSTRUCTION AND THE DESIGN OF A NEW ONSITE WASTEWATER TREATMENT SYSTEM.
David T. Bray 8/10/2022
DAVID T. BRAY PLS NO. 1899 DATE
CAPUTO AND WICK LTD., COA NO. A177



CAPUTO AND WICK LTD. - 1150 PAWTUCKET AVENUE - RUMFORD R.I. 02916

STATE OF RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
DIVISION OF PLANNING AND DEVELOPMENT

DEMOLITION AND REBUILD OF BATHHOUSES
BURLINGAME STATE PARK AND CAMPGROUND
CHARLESTOWN, RHODE ISLAND

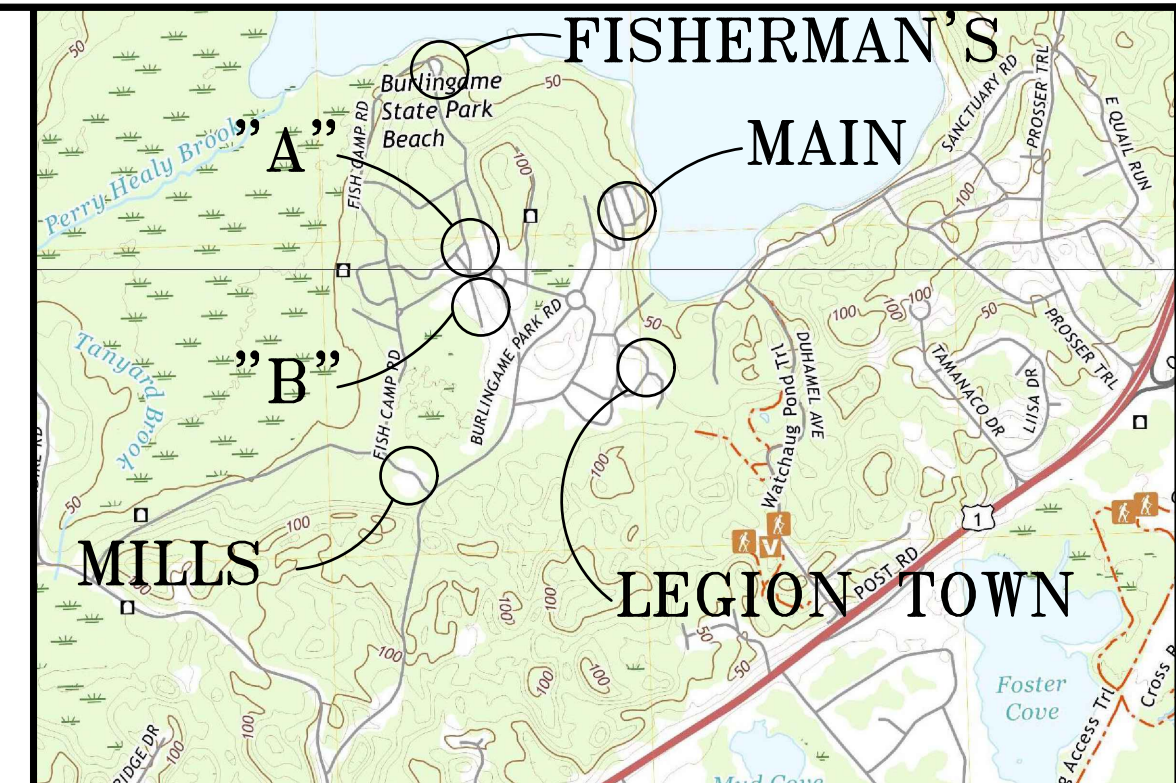
MILLS CAMP BATHHOUSE - EXISTING CONDITIONS

Dwg: _____ Scale: 1" = 20'
Contract No. x _____ Date: OCTOBER 6, 2023

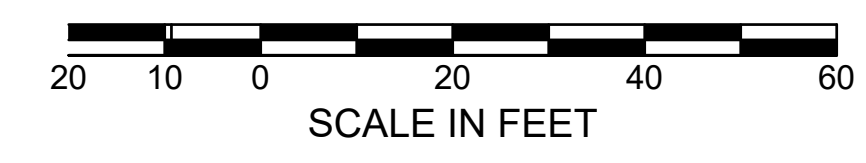
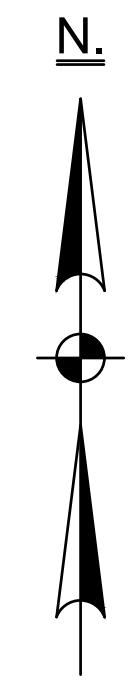
EC-1
3 OF 106

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OCTOBER 6, 2023



LOCUS MAP



LEGEND

-----	STONE WALL
PLAT 100 - LOT 10	ASSESSORS PLAT/LOT NUMBER
EXIST.	EXISTING
N	NORTH
S	SOUTH
E	EAST
W	WEST
TL	TRAVERSE LINE
RT	RIGHT
LT	LEFT
S.F.	SQUARE FEET
R.O.W.	RIGHT OF WAY
S.H.L.	STATE HIGHWAY LINE
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
PT.	POINT OF TANGENCY
STA.	STATION
°	DEGREE
'	MINUTE/FEET
''	SECONDS
Δ	DELTA
NO.	NUMBER
NAVD 88	NORTH AMERICAN VERTICAL DATUM OF 1988
NAD 83	NORTH AMERICAN HORIZONTAL DATUM OF 1983
I.R.	IRON ROD
P.L.	PROPERTY LINE
P. COR.	PROPERTY CORNER
OS x	OAK STAKE WITH NAIL
REC.	RECORD MEASUREMENT
MEAS.	FIELD MEASUREMENT
+ 00.00	SPOT ELEVATION
-----	TRAVERSE LINE
-----	COUNTOUR MAJOR
-----	COUNTOUR MINOR
~~~~~	EDGE OF TREE LINE

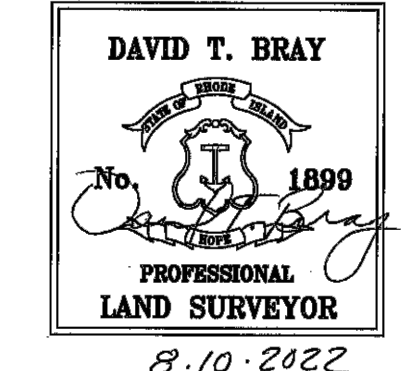
**CERTIFICATION:**

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<b>TYPE OF BOUNDARY SURVEY:</b>	<b>MEASUREMENT SPECIFICATION:</b>
LIMITED CONTENT BOUNDARY SURVEY	NOT A BOUNDARY SURVEY
<b>OTHER TYPE OF SURVEY:</b>	<b>CLASS II</b>
DATA ACQUISITION SURVEY (LOCATIONS)	T-2 (IMMEDIATE AREA AROUND BATHHOUSE AND OWS)
TOPOGRAPHIC SURVEY ACCURACY	

THE PURPOSE OF THIS SURVEY IS TO DEPICT THE EXISTING CONDITIONS IN THE PROJECT AREA FOR CONSTRUCTION AND THE DESIGN OF A NEW ONSITE WASTEWATER TREATMENT SYSTEM.

*David T. Bray* 8/10/2022  
 DAVID T. BRAY PLS NO. 1899 DATE  
 CAPUTO AND WICK LTD., COA NO. A177



STATE OF RHODE ISLAND  
 DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 DIVISION OF PLANNING AND DEVELOPMENT

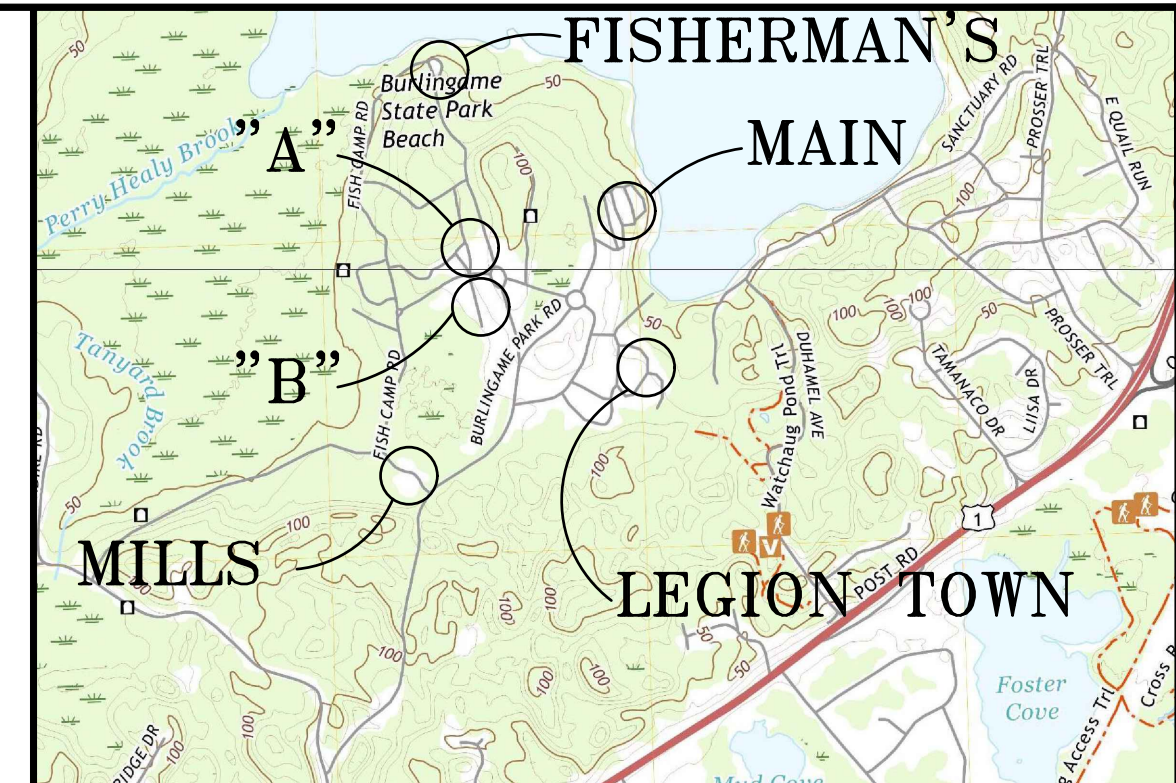
DEMOLITION AND REBUILD OF BATHHOUSES  
 BURLINGAME STATE PARK AND CAMPGROUND  
 CHARLESTOWN, RHODE ISLAND

BATHHOUSE "B" - EXISTING CONDITIONS

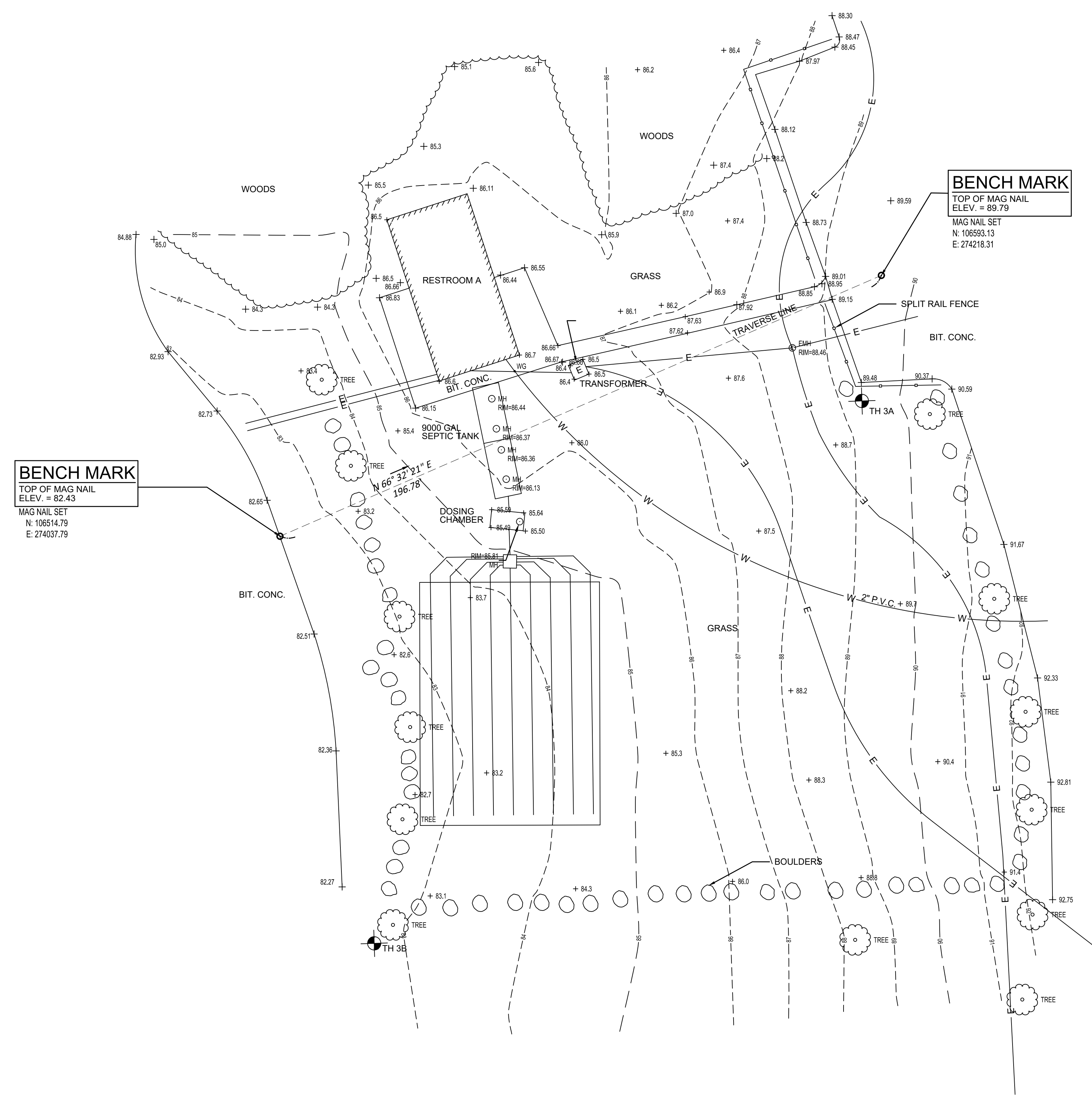
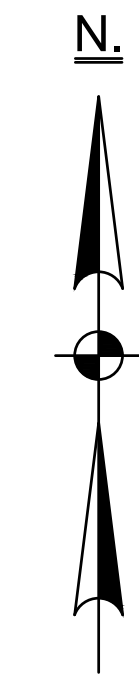
Dwg: Scale: 1" = 20'  
 Contract No. x Date: OCTOBER 6, 2023 EC-2  
 4 OF 106

**BURLINGAME STATE PARK AND CAMPGROUND**

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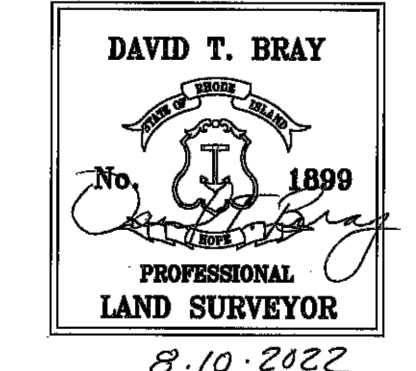
LOCUS MAP



**LEGEND**

-----	STONE WALL
PLAT 100 - LOT 10	ASSESSORS PLAT/LOT NUMBER
EXIST.	EXISTING
N	NORTH
S	SOUTH
E	EAST
W	WEST
TL	TRAVERSE LINE
RT	RIGHT
LT	LEFT
S.F.	SQUARE FEET
R.O.W.	RIGHT OF WAY
S.H.L.	STATE HIGHWAY LINE
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
PT.	POINT OF TANGENCY
STA.	STATION
°	DEGREE
'	MINUTE/FEET
''	SECONDS
Δ	DELTA
NO.	NUMBER
NAVD 88	NORTH AMERICAN VERTICAL DATUM OF 1988
NAD 83	NORTH AMERICAN HORIZONTAL DATUM OF 1983
I.R.	IRON ROD
P.L.	PROPERTY LINE
P. COR.	PROPERTY CORNER
OS x	OAK STAKE WITH NAIL
REC.	RECORD MEASUREMENT
MEAS.	FIELD MEASUREMENT
+ 00.00	SPOT ELEVATION
---	TRAVERSE LINE
---	COUNTOUR MAJOR
---	COUNTOUR MINOR
~~~~~	EDGE OF TREE LINE

CERTIFICATION:
 THIS SURVEY HAS BEEN CONDUCTED AND THE PLAN HAS BEEN PREPARED PURSUANT TO SECTION 9 OF THE RULES AND REGULATIONS ADOPTED BY THE RHODE ISLAND STATE BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS ON NOVEMBER 25, 2015, AS FOLLOWS:
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MEASUREMENT SPECIFICATION: NOT A BOUNDARY SURVEY
OTHER TYPE OF SURVEY: DATA ACCUMULATION SURVEY (LOCATIONS)
CLASS II
TOPOGRAPHIC SURVEY ACCURACY T2 (IMMEDIATE AREA AROUND BATHHOUSE AND OWTB)
 THE PURPOSE OF THIS SURVEY IS TO DEPICT THE EXISTING CONDITIONS IN THE PROJECT AREA FOR CONSTRUCTION AND THE DESIGN OF A NEW ONSITE WASTEWATER TREATMENT SYSTEM.
David T. Bray 8/10/2022
 DAVID T. BRAY PLS NO. 1899 DATE
 CAPUTO AND WICK LTD., COA NO. A177



CAPUTO AND WICK LTD. - 1150 PAWTUCKET AVENUE - RUMFORD R.I. 02916

STATE OF RHODE ISLAND
 DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 DIVISION OF PLANNING AND DEVELOPMENT

DEMOLITION AND REBUILD OF BATHHOUSES
 BURLINGAME STATE PARK AND CAMPGROUND
 CHARLESTOWN, RHODE ISLAND

BATHHOUSE "A" - EXISTING CONDITIONS

Dwg: _____ Scale: 1" = 20'
 Contract No. x _____ Date: OCTOBER 6, 2023

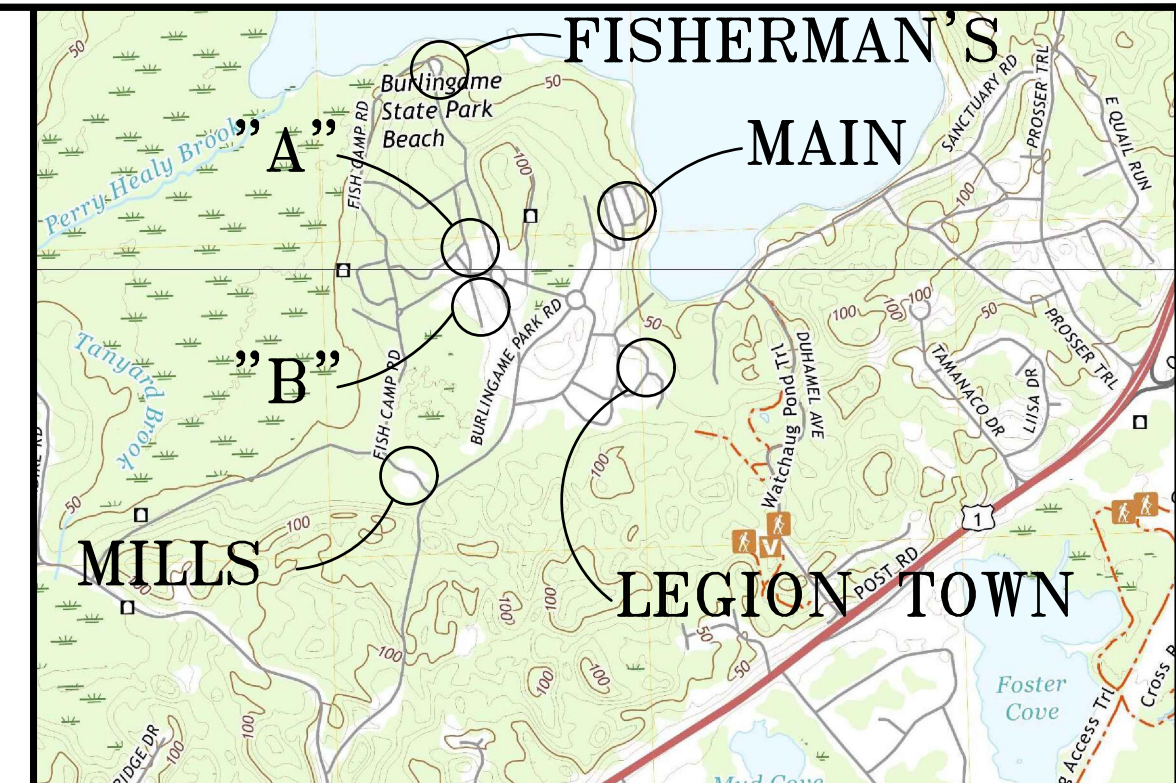
EC-3
 5 OF 106

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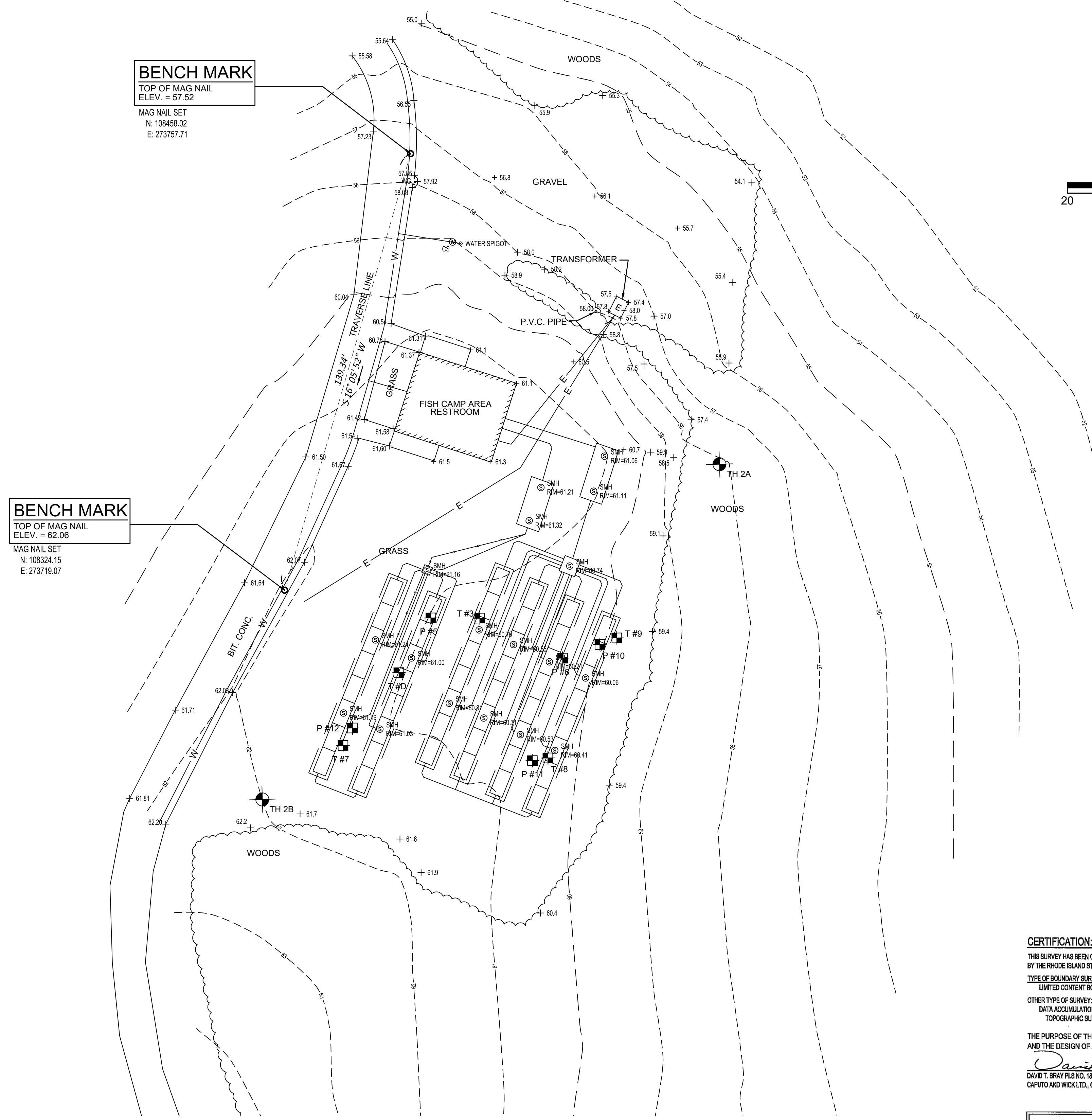
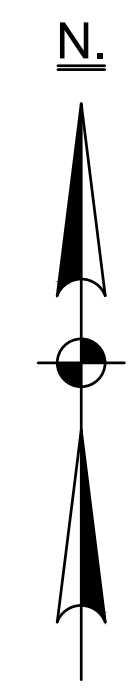
OCTOBER 6, 2023

BURLINGAME STATE PARK AND CAMPGROUND

BURLINGAME STATE PARK AND CAMPGROUND



LOCUS MAP



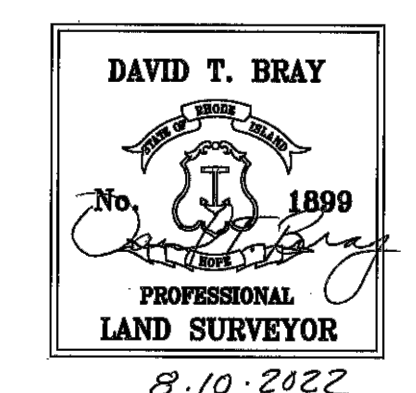
BENCH MARK
TOP OF MAG NAIL
ELEV. = 57.52
MAG NAIL SET
N: 108458.02
E: 273757.71

BENCH MARK
TOP OF MAG NAIL
ELEV. = 62.06
MAG NAIL SET
N: 108324.15
E: 273719.07

LEGEND

-----	STONE WALL
PLAT 100 - LOT 10	ASSESSORS PLAT/LOT NUMBER
EXIST.	EXISTING
N	NORTH
S	SOUTH
E	EAST
W	WEST
TL	TRAVERSE LINE
RT	RIGHT
LT	LEFT
S.F.	SQUARE FEET
R.O.W.	RIGHT OF WAY
S.H.L.	STATE HIGHWAY LINE
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
PT.	POINT OF TANGENCY
STA.	STATION
°	DEGREE
'	MINUTE/FEET
''	SECONDS
Δ	DELTA
NO.	NUMBER
NAVD 88	NORTH AMERICAN VERTICAL DATUM OF 1988
NAD 83	NORTH AMERICAN HORIZONTAL DATUM OF 1983
I.R.	IRON ROD
P.L.	PROPERTY LINE
P. COR.	PROPERTY CORNER
OS x	OAK STAKE WITH NAIL
REC.	RECORD MEASUREMENT
MEAS.	FIELD MEASUREMENT
+ 00.00	SPOT ELEVATION
---	TRAVERSE LINE
---	COUNTOUR MAJOR
---	COUNTOUR MINOR
~~~~~	EDGE OF TREE LINE

**CERTIFICATION:**  
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**MEASUREMENT SPECIFICATION:** NOT A BOUNDARY SURVEY  
**OTHER TYPE OF SURVEY:** DATA ACQUISITION SURVEY (LOCATIONS)  
**CLASS II**  
**TOPOGRAPHIC SURVEY ACCURACY:** T-2 (IMMEDIATE AREA AROUND BATHHOUSE AND OWTB)  
THE PURPOSE OF THIS SURVEY IS TO DEPICT THE EXISTING CONDITIONS IN THE PROJECT AREA FOR CONSTRUCTION AND THE DESIGN OF A NEW ONSITE WASTEWATER TREATMENT SYSTEM.  
*David T. Bray* 8/10/2022  
DAVID T. BRAY PLS NO. 1899 DATE  
CAPUTO AND WICK LTD., COA NO. A177



STATE OF RHODE ISLAND  
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
DIVISION OF PLANNING AND DEVELOPMENT

DEMOLITION AND REBUILD OF BATHHOUSES  
BURLINGAME STATE PARK AND CAMPGROUND  
CHARLESTOWN, RHODE ISLAND

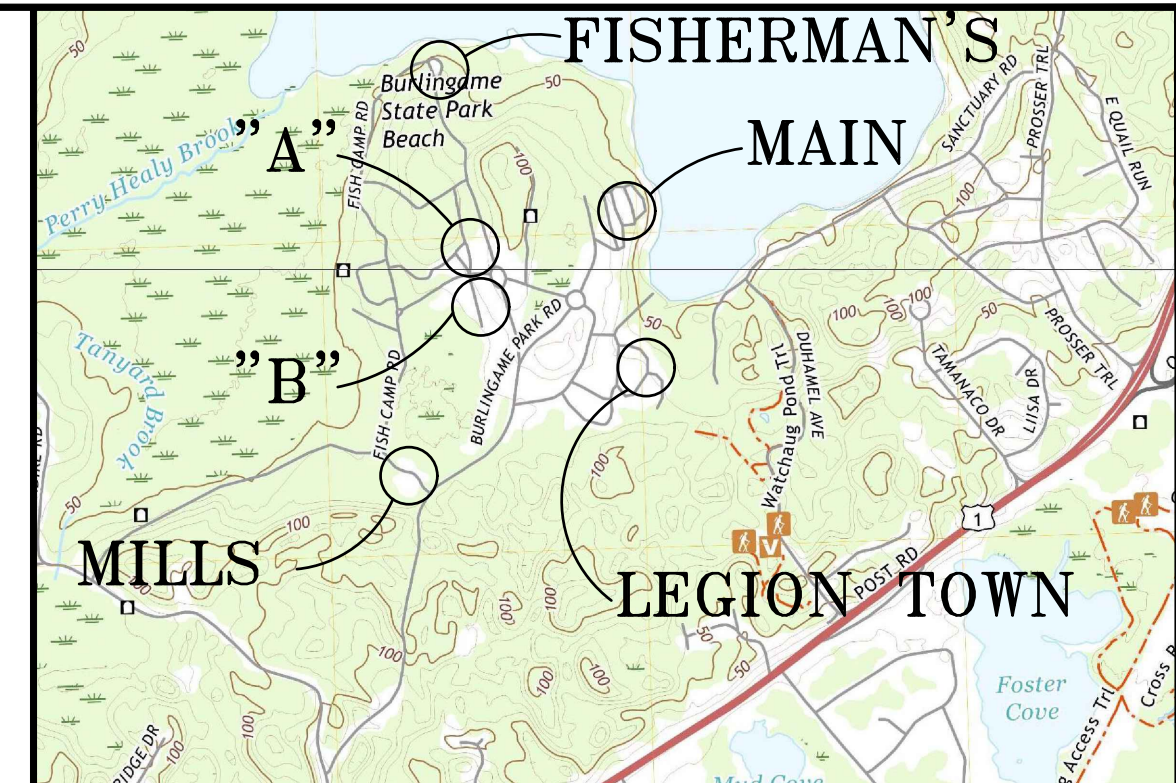
FISH CAMP BATHHOUSE - EXISTING CONDITIONS

Dwg: Scale: 1" = 20'  
Contract No. x Date: OCTOBER 6, 2023 EC-4  
6 OF 106

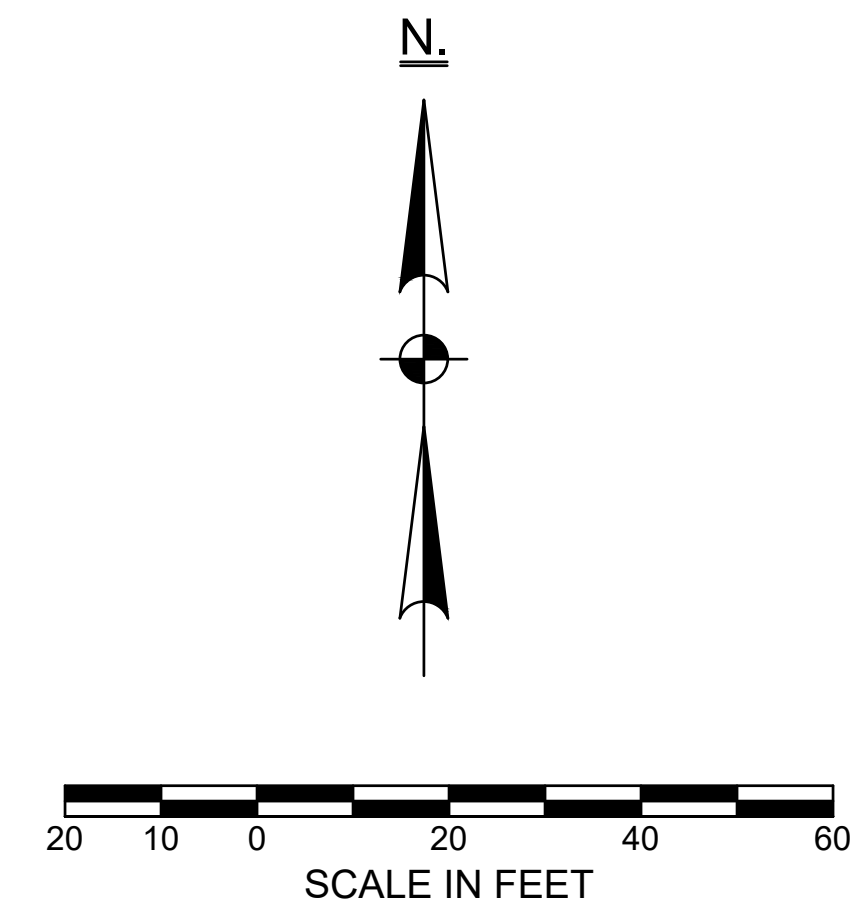
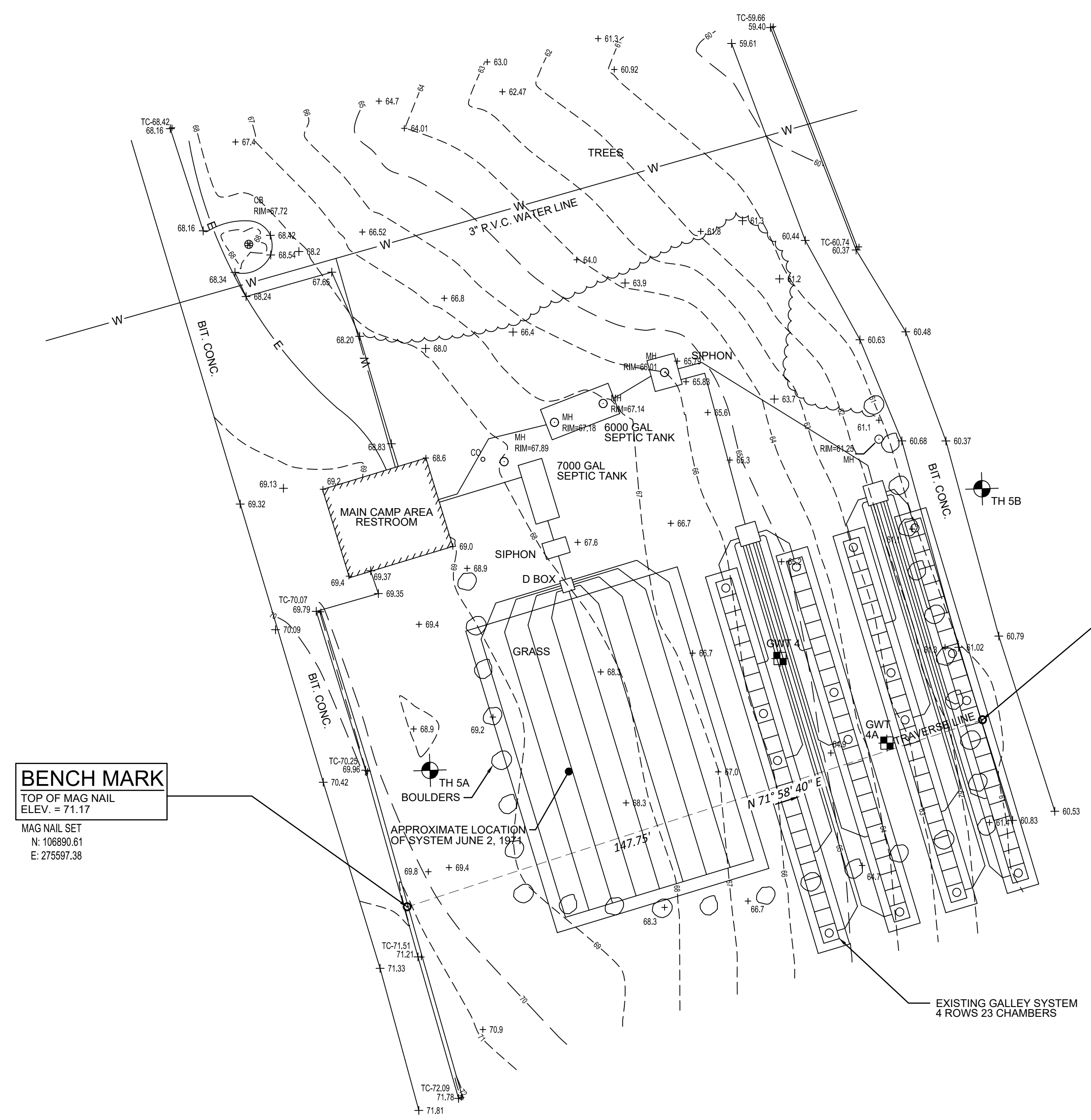
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OCTOBER 6, 2023

# BURLINGAME STATE PARK AND CAMPGROUND



LOCUS MAP



**BENCH MARK**  
TOP OF MAG NAIL  
ELEV. = 71.17  
MAG NAIL SET  
N: 106890.61  
E: 275597.38

**BENCH MARK**  
TOP OF MAG NAIL  
ELEV. = 61.17  
MAG NAIL SET  
N: 106936.31  
E: 275737.88

**LEGEND**

-----	STONE WALL
PLAT 100 - LOT 10	ASSESSORS PLAT/LOT NUMBER
EXIST.	EXISTING
N	NORTH
S	SOUTH
E	EAST
W	WEST
TL	TRAVERSE LINE
RT	RIGHT
LT	LEFT
S.F.	SQUARE FEET
R.O.W.	RIGHT OF WAY
S.H.L.	STATE HIGHWAY LINE
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
PT.	POINT OF TANGENCY
STA.	STATION
°	DEGREE
'	MINUTE/FEET
''	SECONDS
Δ	DELTA
NO.	NUMBER
NAVD 88	NORTH AMERICAN VERTICAL DATUM OF 1988
NAD 83	NORTH AMERICAN HORIZONTAL DATUM OF 1983
I.R.	IRON ROD
P.L.	PROPERTY LINE
P. COR.	PROPERTY CORNER
OSLS X	OAK STAKE WITH NAIL
REC.	RECORD MEASUREMENT
MEAS.	FIELD MEASUREMENT
+ 00.00	SPOT ELEVATION
---	TRAVERSE LINE
---	COUNTOUR MAJOR
---	COUNTOUR MINOR
~~~~~	EDGE OF TREE LINE

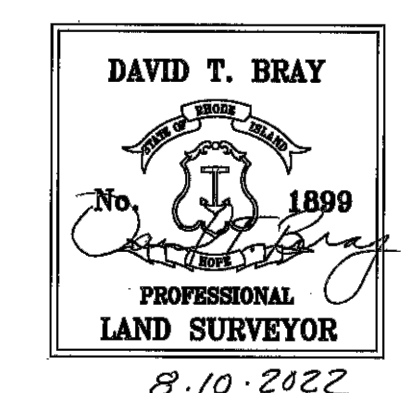
CERTIFICATION:
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MEASUREMENT SPECIFICATION: NOT A BOUNDARY SURVEY

OTHER TYPE OF SURVEY: DATA ACQUISITION SURVEY (LOCATIONS)
CLASS II
TOPOGRAPHIC SURVEY ACCURACY T-2 (IMMEDIATE AREA AROUND BATHHOUSE AND GWTS)

THE PURPOSE OF THIS SURVEY IS TO DEPICT THE EXISTING CONDITIONS IN THE PROJECT AREA FOR CONSTRUCTION AND THE DESIGN OF A NEW ONSITE WASTEWATER TREATMENT SYSTEM.

David T. Bray 8/10/2022
DAVID T. BRAY PLS NO. 1899 DATE
CAPUTO AND WICK LTD., COA NO. A177



STATE OF RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
DIVISION OF PLANNING AND DEVELOPMENT

DEMOLITION AND REBUILD OF BATHHOUSES
BURLINGAME STATE PARK AND CAMPGROUND
CHARLESTOWN, RHODE ISLAND

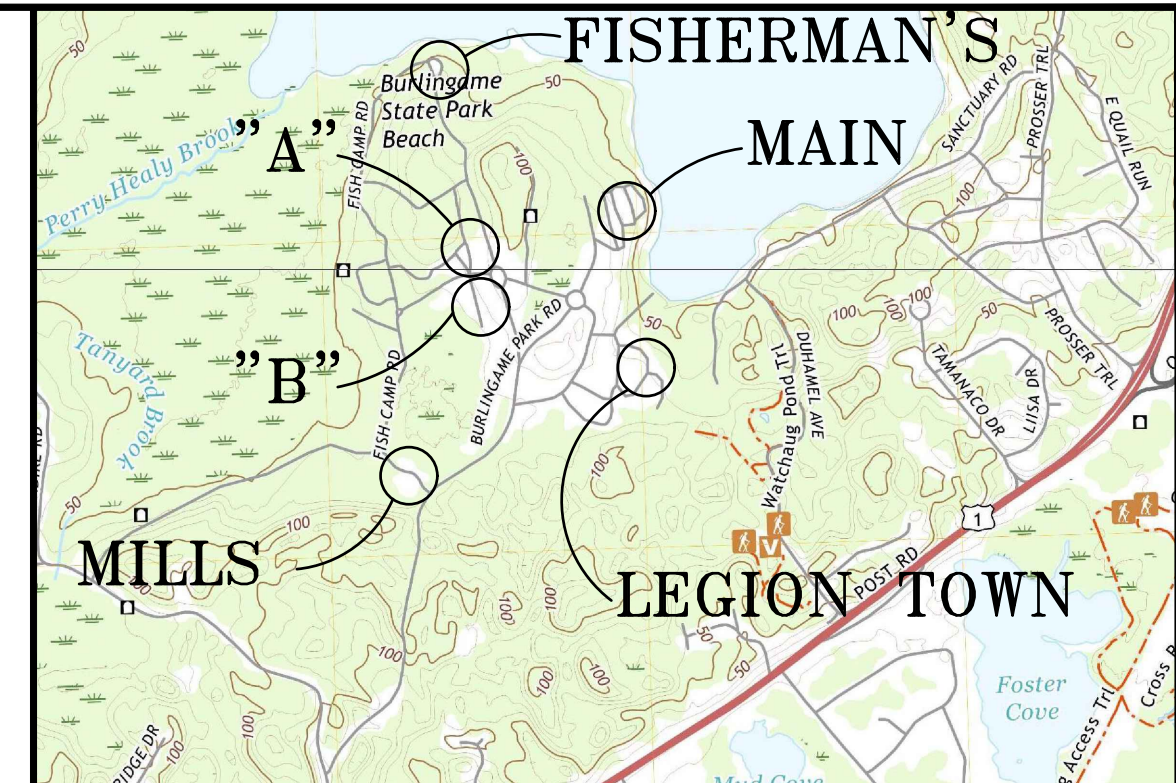
MAIN CAMP BATHHOUSE - EXISTING CONDITIONS

Dwg: _____ Scale: 1" = 20'
Contract No. x _____ Date: OCTOBER 6, 2023

EC-5
7 OF 106

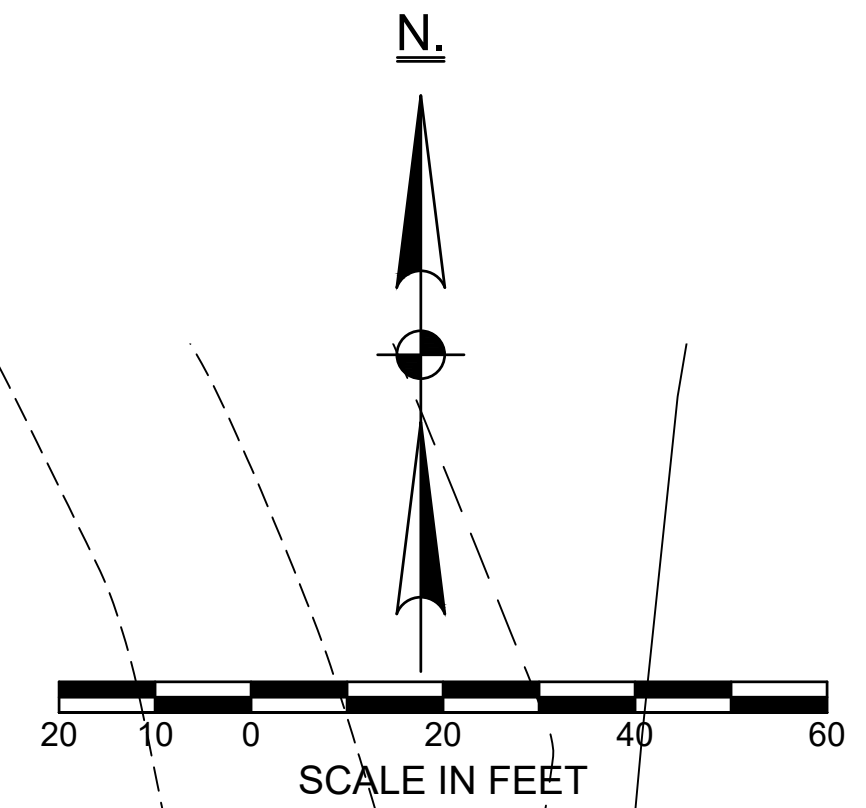
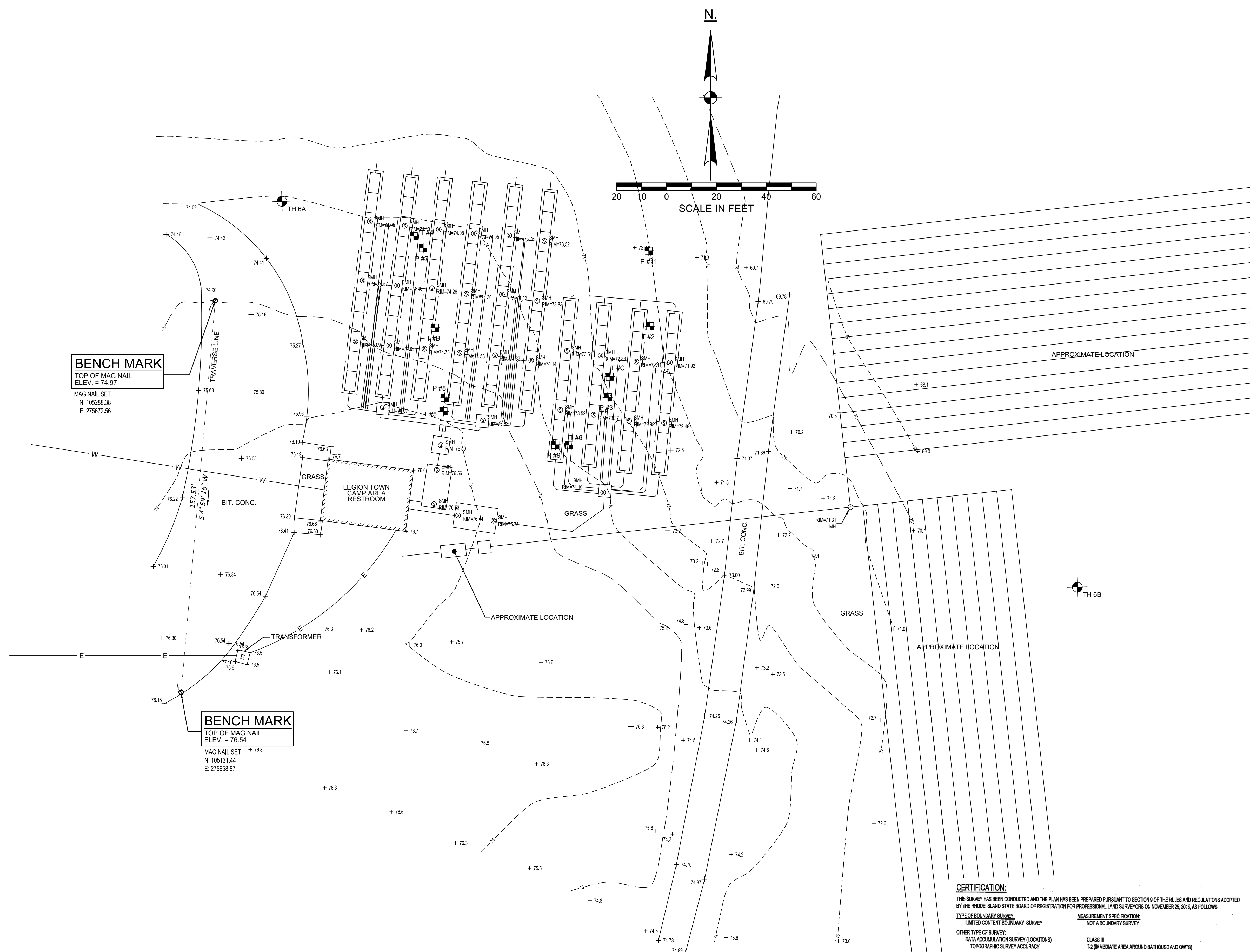
D:\RhodeIsland\Charlestown\RIDEM - Burlingame\003 - 1006 Survey.dwg

OCTOBER 6, 2023



LOCUS MAP

BURLINGAME STATE PARK AND CAMPGROUND



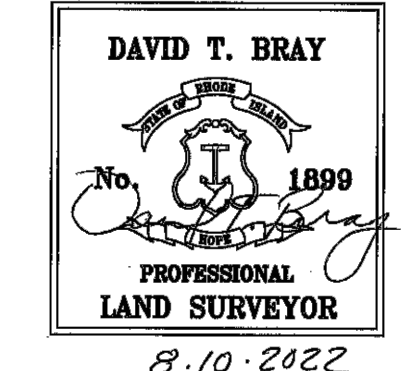
BENCH MARK
TOP OF MAG NAIL
ELEV. = 74.97
MAG NAIL SET
N: 105288.38
E: 275972.56

BENCH MARK
TOP OF MAG NAIL
ELEV. = 76.54
MAG NAIL SET
N: 105131.44
E: 275658.87

LEGEND

-----	STONE WALL
PLAT 100 - LOT 10	ASSESSORS PLAT/LOT NUMBER
EXIST.	EXISTING
N	NORTH
S	SOUTH
E	EAST
W	WEST
TL	TRAVERSE LINE
RT	RIGHT
LT	LEFT
S.F.	SQUARE FEET
R.O.W.	RIGHT OF WAY
S.H.L.	STATE HIGHWAY LINE
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
PT.	POINT OF TANGENCY
STA.	STATION
'	DEGREE
"	MINUTE/FEET
.	SECONDS
Δ	DELTA
NO.	NUMBER
NAVD 88	NORTH AMERICAN VERTICAL DATUM OF 1988
NAD 83	NORTH AMERICAN HORIZONTAL DATUM OF 1983
I.R.	IRON ROD
P.L.	PROPERTY LINE
P. COR.	PROPERTY CORNER
SNL X	OAK STAKE WITH NAIL
REC.	RECORD MEASUREMENT
MEAS.	FIELD MEASUREMENT
+ 00.00	SPOT ELEVATION
---	TRAVERSE LINE
---	COUNTOUR MAJOR
---	COUNTOUR MINOR
---	EDGE OF TREE LINE

CERTIFICATION:
THIS SURVEY HAS BEEN CONDUCTED AND THE PLAN HAS BEEN PREPARED PURSUANT TO SECTION 9 OF THE RULES AND REGULATIONS ADOPTED BY THE RHODE ISLAND STATE BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS ON NOVEMBER 25, 2015, AS FOLLOWS:
TYPE OF BOUNDARY SURVEY: LIMITED CONTENT BOUNDARY SURVEY
MEASUREMENT SPECIFICATION: NOT A BOUNDARY SURVEY
OTHER TYPE OF SURVEY: DATA ACCUMULATION SURVEY (LOCATIONS)
CLASS II
TOPOGRAPHIC SURVEY ACCURACY T2 (IMMEDIATE AREA AROUND BATHHOUSE AND OWTB)
THE PURPOSE OF THIS SURVEY IS TO DEPICT THE EXISTING CONDITIONS IN THE PROJECT AREA FOR CONSTRUCTION AND THE DESIGN OF A NEW ONSITE WASTEWATER TREATMENT SYSTEM.
David T. Bray 8/10/2022
DAVID T. BRAY PLS NO. 1899 DATE
CAPUTO AND WICK LTD., COA NO. A177



STATE OF RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
DIVISION OF PLANNING AND DEVELOPMENT

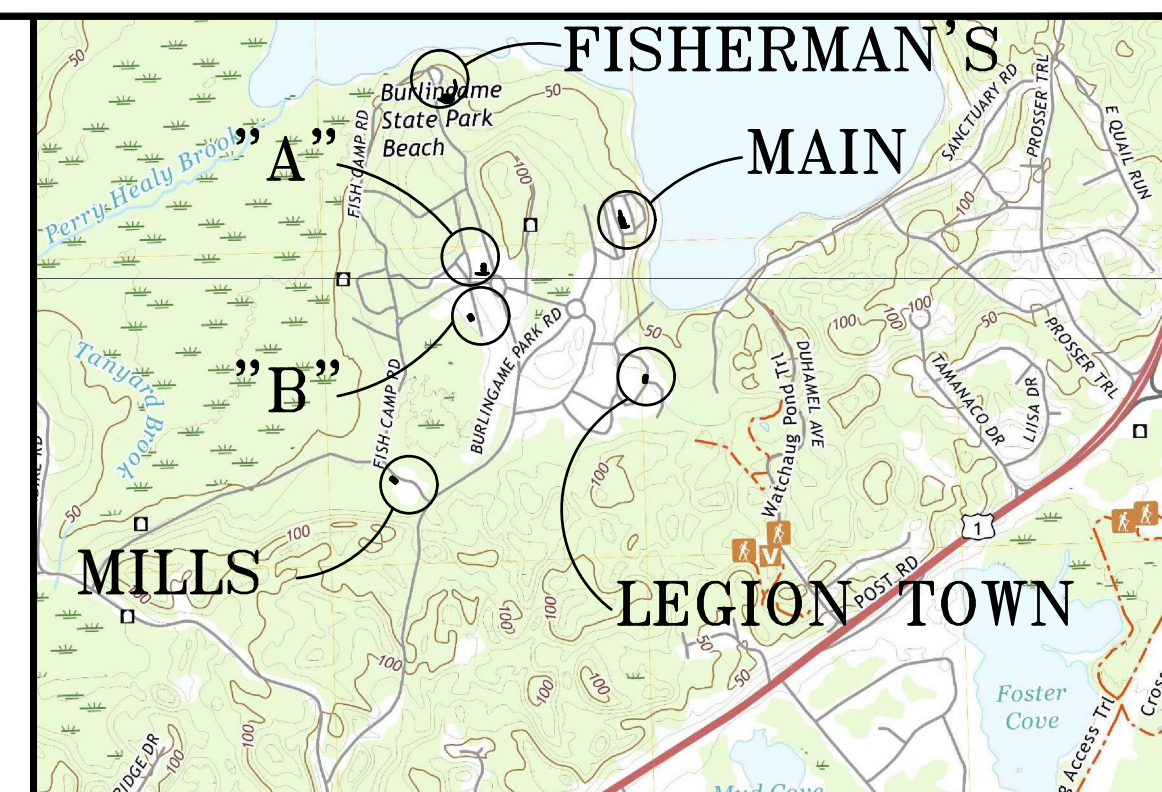
DEMOLITION AND REBUILD OF BATHHOUSES
BURLINGAME STATE PARK AND CAMPGROUND
CHARLESTOWN, RHODE ISLAND

LEGION TOWN CAMP BATHHOUSE - EXISTING CONDITIONS

Dwg: Scale: 1" = 20'
Contract No. x Date: OCTOBER 6, 2023 EC-6
8 OF 106

D:\RhodeIsland\Charlestown\RIDEM - Burlingame\003 - 1006 Survey.dwg

OCTOBER 6, 2023



LOCUS MAP

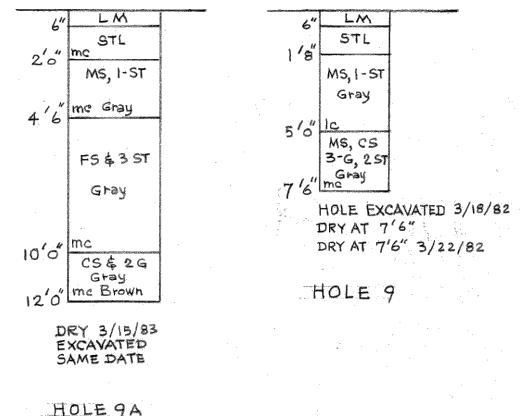
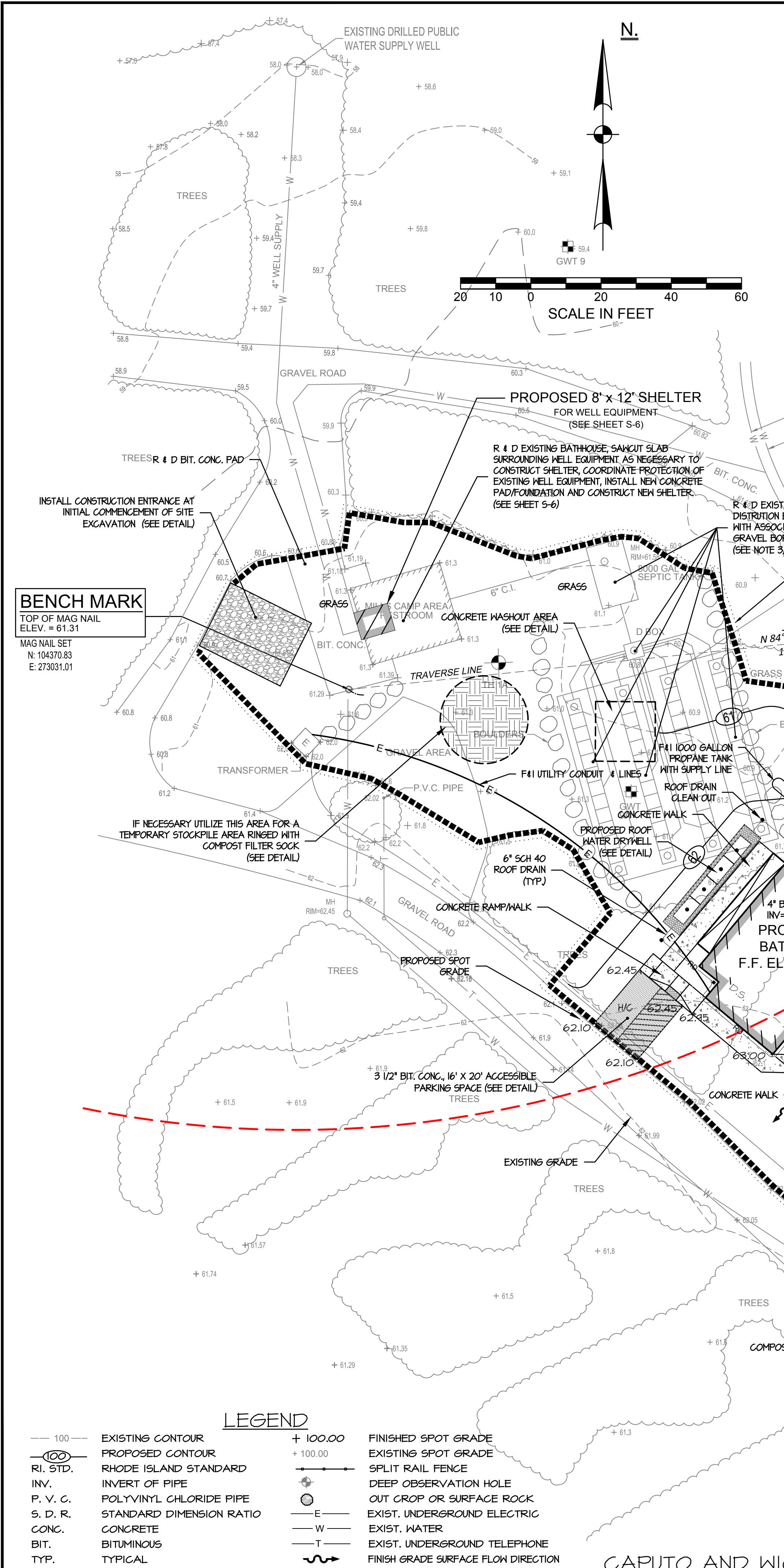
- NOTES: 1. ALL WORK SHALL CONFORM TO THE RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT... 2. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO CAPUTO AND WICK LTD. FOR APPROVAL... 3. EXISTING ON-SITE WASTEWATER TREATMENT SYSTEM (OWTS) PRECAST STRUCTURES ARE TO BE PUMPED OUT...

TH-7A - GROUND ELEV: 61.3 - DECEMBER 23, 2011. Table with columns: HORIZON, DEPTH, HORIZON BOUNDARIES, SOIL COLORS, RE-DOX, TEXTURE, STRUCTURE, CONSISTENCE, SOIL CATEGORY.

TH-7B - GROUND ELEV: 61.9 - DECEMBER 23, 2011. Table with columns: HORIZON, DEPTH, HORIZON BOUNDARIES, SOIL COLORS, RE-DOX, TEXTURE, STRUCTURE, CONSISTENCE, SOIL CATEGORY.

TH-1A - GROUND ELEV: 61.2 - AUGUST 17, 2011. Table with columns: HORIZON, DEPTH, HORIZON BOUNDARIES, SOIL COLORS, RE-DOX, TEXTURE, STRUCTURE, CONSISTENCE, SOIL CATEGORY.

TH-1B - GROUND ELEV: 61.5 - AUGUST 17, 2011. Table with columns: HORIZON, DEPTH, HORIZON BOUNDARIES, SOIL COLORS, RE-DOX, TEXTURE, STRUCTURE, CONSISTENCE, SOIL CATEGORY.



BENCH MARK TOP OF MAG NAIL ELEV. = 62.07

BENCH MARK TOP OF MAG NAIL ELEV. = 61.34

BENCH MARK TOP OF MAG NAIL ELEV. = 61.31

DESIGN DATA: DAILY SEWAGE FLOW: 50 GPDCAMPSITE x 150 CAMPSITES = 7500 GALLONS PER DAY (G.P.D.) GROUND WATER TABLE: 48" DEPTH TO IMPERVIOUS: NOT ENCOUNTERED

CERTIFICATION: THIS SURVEY HAS BEEN CONDUCTED AND THE PLAN HAS BEEN PREPARED PURSUANT TO SECTION 9 OF THE RULES AND REGULATIONS ADOPTED BY THE RHODE ISLAND STATE BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS ON NOVEMBER 25, 2010, AS FOLLOWS:

DAVID T. BRAY PROFESSIONAL LAND SURVEYOR No. 1899

KEVIN R. HARROP REGISTERED PROFESSIONAL ENGINEER CIVIL No. 9200

STATE OF RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT DIVISION OF PLANNING AND DEVELOPMENT

DEMOLITION AND REBUILD OF BATHHOUSES BURLINGAME STATE PARK AND CAMPGROUND CHARLESTOWN, RHODE ISLAND

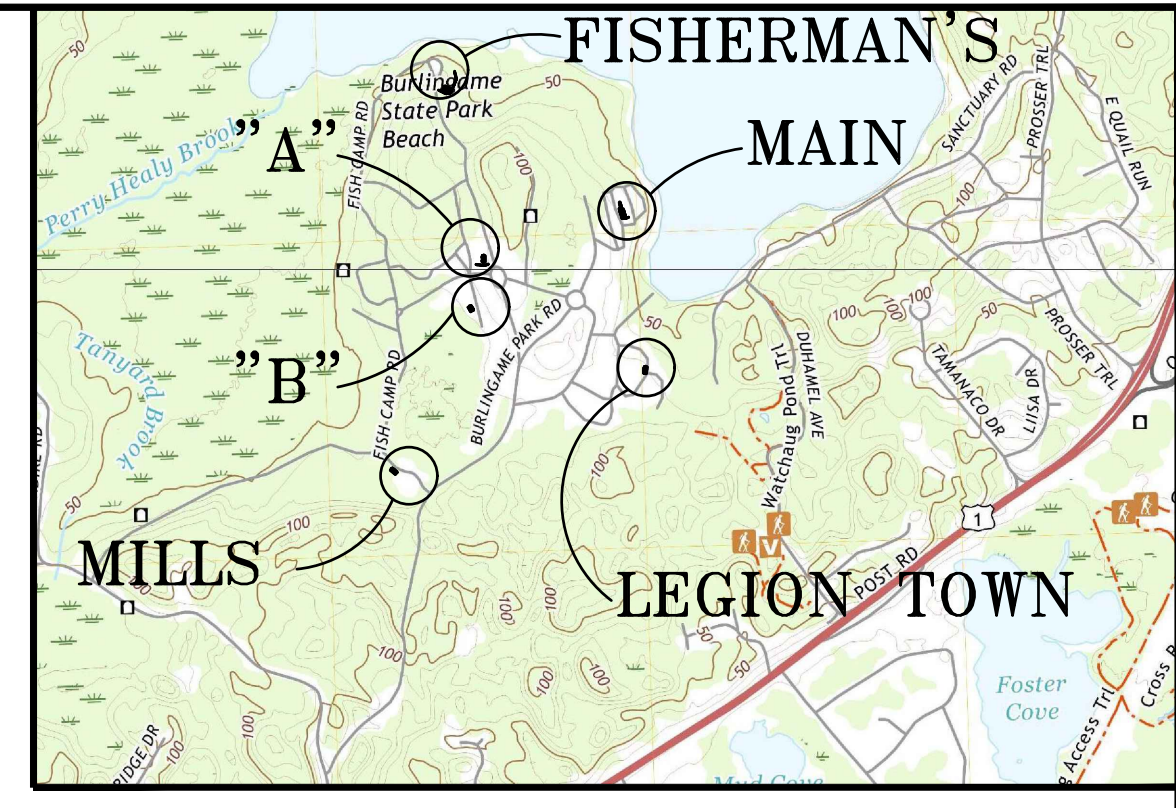
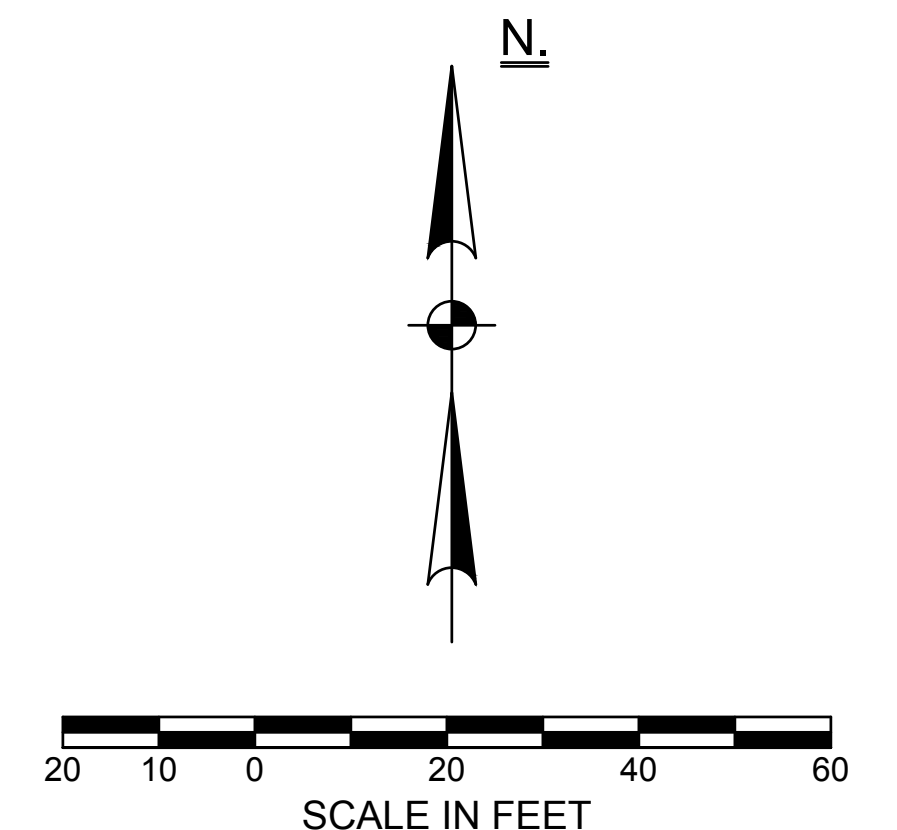
MILLS CAMP BATHHOUSE - SITE PLAN

Dwg: Scale: 1" = 20' Contract No. x Date: OCTOBER 6, 2023 9 OF 106

TH-4A - GROUND ELEV: 72.1 - AUGUST 18, 2021										
HORIZON	DEPTH	DIST	TOPO	MATRIX	RE-DOX FEATURES	Ab. S. CONTR.	TEXTURE	STRUCTURE	CONSISTENCE	SOIL CATEGORY
Ap	0 - 9"	C	S	2.5R 6/3			La	2gd	Vf	3
Bw	9" - 30"	C	S	10R 5/6			La	2gd	Fr	3
C	30" - 120"	C	S	2.5R 7/3			La	2gd	Fr	3

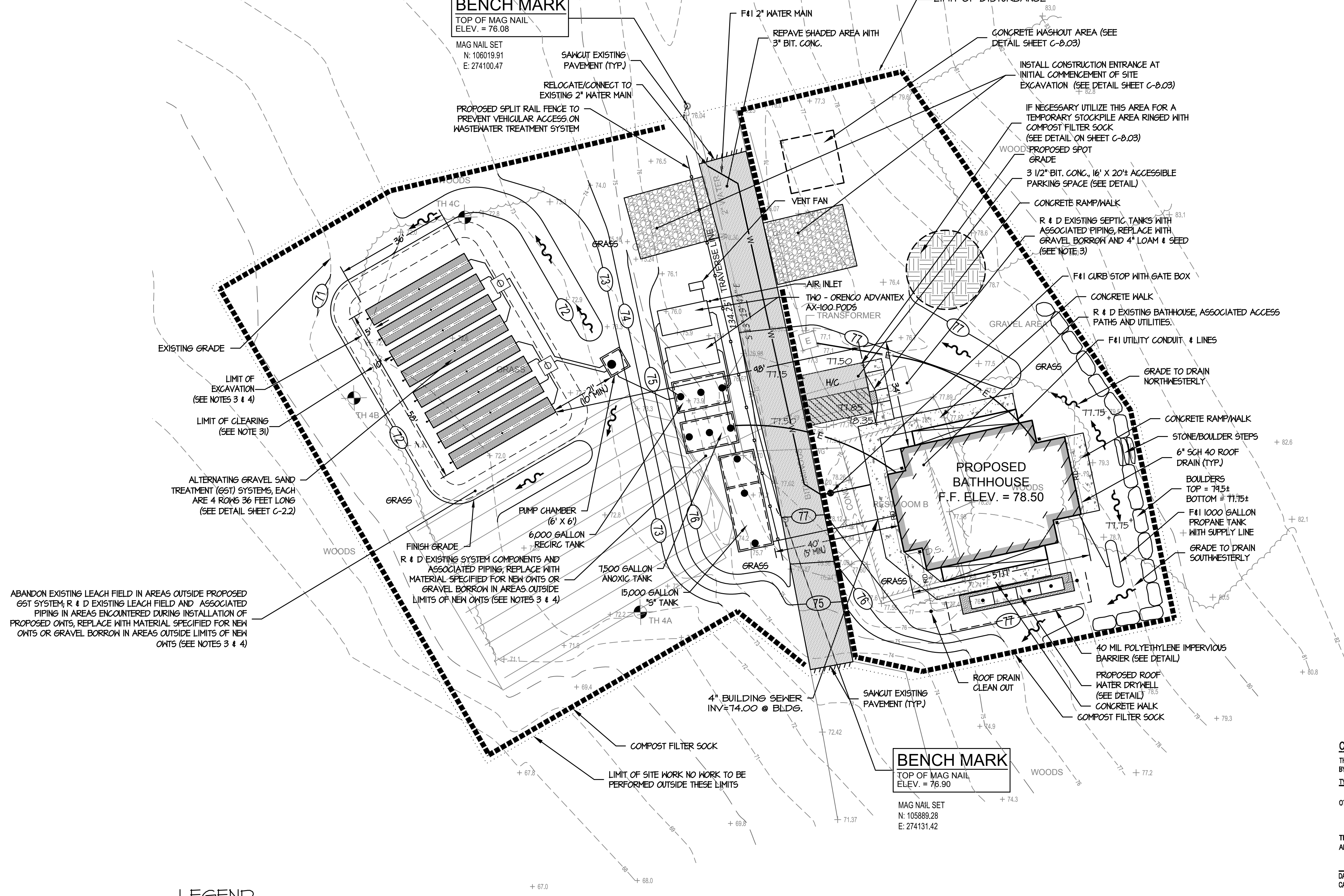
TH-4B - GROUND ELEV: 71.5 - AUGUST 18, 2021										
HORIZON	DEPTH	DIST	TOPO	MATRIX	RE-DOX FEATURES	Ab. S. CONTR.	TEXTURE	STRUCTURE	CONSISTENCE	SOIL CATEGORY
FL	0 - 10"	C	S	-			-	-	-	-
P	10" - 28"	C	S	10R 5/6			La	2gd	Fr	3
Bw	28" - 48"	C	S	2.5R 7/3			La	2gd	Fr	3
C	48" - 120"	C	S	2.5R 7/3	5R 4/4	M P P	La	2gd	Fr	3

TH-4C - GROUND ELEV: 72.6 - AUGUST 18, 2021										
HORIZON	DEPTH	DIST	TOPO	MATRIX	RE-DOX FEATURES	Ab. S. CONTR.	TEXTURE	STRUCTURE	CONSISTENCE	SOIL CATEGORY
Ap	0 - 12"	C	S	2.5R 6/3			La	2gd	Vf	3
Bw	12" - 40"	C	S	10R 5/6			La	2gd	Fr	3
C	40" - 120"	C	S	2.5R 7/3			La	2gd	Fr	3



LOCUS MAP

- NOTES:**
- ALL WORK SHALL CONFORM TO THE RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT, OFFICE OF WATER RESOURCES "RULES AND REGULATIONS ESTABLISHING MINIMUM STANDARDS RELATING TO LOCATION, DESIGN, CONSTRUCTION AND MAINTENANCE OF ON-SITE WASTEWATER TREATMENT SYSTEMS", LATEST EDITION.
 - THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO CAPUTO AND WICK LTD. FOR APPROVAL OF ALL PROPOSED CONSTRUCTION MATERIALS AND EQUIPMENT PRIOR TO ANY CONSTRUCTION.
 - EXISTING ON-SITE WASTEWATER TREATMENT SYSTEM (OWTS) PRECAST STRUCTURES ARE TO BE PUMPED OUT, RINSED WITH CLEAN WATER AND PUMPED OUT AGAIN. PUMPING MUST BE PERFORMED BY A STATE LICENSED SEPTIC HALLER AND THE CONTENTS OF THE TANK DISPOSED OF PROPERLY. AFTER PUMPING, THE EXISTING OWTS STRUCTURES MUST BE FILLED WITH FLOWABLE FILL OR REMOVED AND REPLACED WITH GRAVEL BORROW AND 4" LOAM & SEED.
 - REMOVE ALL PORTIONS OF THE EXISTING OWTS WITHIN 5' OF THE GRAVEL SAND TREATMENT SYSTEM AND ALL HORIZON SOIL, B HORIZON SOIL AND SCARIFY 3" OF THE C HORIZON SOIL BELOW THE GRAVEL SAND TREATMENT SYSTEM AND THOUGHLY MIX WITH ASTM C-33 SAND (SEE NOTE 16) TO INTERFACE THE FILL WITH THE SOIL, AND REPLACE ALL REMOVED SOIL WITH ASTM C-33 SAND. A AND B SOIL HORIZON LAYERS ARE TO BE REMOVED IN THIS APPLICATION DUE TO COMPACTION CAUSED BY PREVIOUS SYSTEM INSTALLATION AND FILL BEING PLACED ABOVE.
 - UNSATURABLE MATERIAL USED TO BACKFILL THE TEST HOLES SHALL BE REMOVED AND REPLACED WITH WITH ASTM C-33 SAND (SEE NOTE 16).
 - ASTM C-33 SAND (SEE NOTE 16) MUST BE PLACED ON SCARIFIED, RELATIVELY DRY NATURAL SOIL. THE CONTRACTOR SHALL PROVIDE FOR DEWATERING AS REQUIRED AND ALL WORK SHALL BE PERFORMED UNDER DRY CONDITIONS.
 - BUILDING SEWER PIPE TO BE 4" P. V. C. SCH. 40 UNLESS OTHERWISE NOTED.
 - PLACE 6" MINIMUM COMPACTED CRUSHED STONE UNDER SEPTIC TANK, ANOXIC TANK, RECIRCULATION TANK, PUMP CHAMBER, ADVANTEX TREATMENT TANKS AND SYSTEM STRUCTURES.
 - INLET AND OUTLET TEES FOR SEPTIC TANK, ANOXIC TANK, RECIRCULATION TANK AND PUMP CHAMBER ARE TO BE LOCATED DIRECTLY BELOW ACCESS COVERS.
 - SEPTIC TANK, ANOXIC TANK, RECIRCULATION TANK, PUMP CHAMBER AND ADVANTEX TREATMENT TANK RISERS/COVERS TO BE AT FINISH GRADE.
 - IF CONDITIONS ENCOUNTERED DURING CONSTRUCTION VARY SUBSTANTIALLY FROM THOSE SHOWN ON THIS PLAN, NOTIFY CAPUTO AND WICK, LTD. BEFORE PROCEEDING WITH CONSTRUCTION. IF IN DOUBT, ASK.
 - NEW SEPTIC TANK SHALL MEET ALL OF THE REQUIREMENTS OF 250-RICR-150-10-6.27.
 - INSPECTION OF THE SEPTIC TANK, ANOXIC TANK, RECIRCULATION TANK, PUMP CHAMBER AND ADVANTEX TREATMENT TANK SHALL BE PART OF THE MAINTENANCE SERVICE FOR THE OWTS AND ALL COMPONENTS SHALL BE CLEANED WHEN REQUIRED.
 - IT IS RECOMMENDED THAT THE SEPTIC TANK BE INSPECTED TWICE A YEAR, AND BE CLEANED WHEN THE SOLIDS EQUAL ONE THIRD THE LIQUID DEPTH.
 - MINIMUM PERIMETER INVERT ELEVATION = 70.25. NO FINISHED GRADE BELOW 70.25 FROM THE EDGE OF THE GRAVEL SAND TREATMENT SYSTEM FOR A 10 FEET MINIMUM.
 - THE SAND MEDIA USED IN CONSTRUCTION SHALL MEET THE ASTM C-33 SPECIFICATIONS. SIEVE ANALYSIS FROM PROPOSED SOURCE IS REQUIRED TO BE SUBMITTED TOGETHER WITH SHOP DRAWINGS. TESTING OF SAND MATERIAL DELIVERED TO THE SITE IS REQUIRED.
 - GRAVEL SAND TREATMENT SYSTEM DESIGN AND INSTALLATION MANUAL, AND RIDEM GUIDELINES FOR ADDITIONAL DETAILS OF INSTALLATION.
 - INSTALLATION SHALL BE IN STRICT CONFORMANCE WITH THE ORENCO ADVANTEX INSTALLATION MANUAL AND GRAVEL SAND TREATMENT SYSTEM INSTALLATION MANUAL AND ALL OTHER APPLICABLE SECTIONS OF 250-RICR-150-6. THE INSTALLATION SHALL ONLY BE PERFORMED BY A RHODE ISLAND DEM LICENSED INSTALLER WHO HAS RECEIVED TRAINING AND IS AUTHORIZED IN WRITING BY THE VENDORS TO INSTALL THE SYSTEM. AUTHORIZATION FROM THE VENDORS SHALL BE SUBMITTED TO ENGINEER PRIOR TO ANY CONSTRUCTION.
 - REFER TO 250-RICR-150-10-6 AND RIDEM GUIDELINES FOR ADDITIONAL INFORMATION CONCERNING THE INSTALLATION, OPERATION AND MAINTENANCE OF THE SYSTEM. THE INSTALLER AND OWNER SHOULD REVIEW AND APPLY 250-RICR-150-10-6 AND RIDEM GUIDELINES. THE SYSTEM TO BE CONSTRUCTED BY AN INSTALLER LICENSED BY RIDEM AND THOROUGHLY FAMILIAR WITH THE INSTALLATION OF ADVANTEX TREATMENT DEVICES AND GRAVEL SAND TREATMENT SYSTEMS.
 - THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH THE DESIGN ENGINEER IN ORDER TO FACILITATE WITNESSING THE REQUIRED PHASES OF THE SYSTEM INSTALLATION AS STATED IN 250-RICR-150-6.4.7 OF THE "REGULATIONS". FAILURE OF THE CONTRACTOR TO NOTIFY THE DESIGN ENGINEER IN A TIMELY MANNER MAY REQUIRE THE CONTRACTOR TO EXCAVATE AND EXPOSE SYSTEM COMPONENTS FOR OBSERVATION.
 - THE DESIGNER EXPRESSLY DISCLAIMS ANY RESPONSIBILITY FOR THE INSTALLATION AND MAINTENANCE OF THE SYSTEM. IT SHALL BE THE RESPONSIBILITY OF THE INSTALLER TO CONSTRUCT THE SYSTEM IN ACCORDANCE WITH THE ABOVE REFERENCED REQUIREMENTS.
 - CONTRACTOR SHALL CONTACT "DIG-SAFE" PRIOR TO CONSTRUCTION. LOCATION OF UTILITIES ON THIS PLAN ARE FROM EXISTING INFORMATION, BUT ARE ONLY TO BE CONSIDERED APPROXIMATE.
 - THERE ARE NO PUBLIC WELLS, EXISTING OR PROPOSED, FOUND TO BE LOCATED WITHIN 500 FEET OF THE PROPOSED OWTS EXCEPT AS SHOWN.
 - NO FRESHWATER WETLANDS OBSERVED WITHIN 200 FEET OF THE PROPOSED OWTS. THIS SITE DOES NOT LIE WITHIN A CRITICAL RESOURCE AREA.
 - I CERTIFY THAT THERE ARE NO WELLS FOUND TO BE LOCATED WITHIN 200 FEET OF THE PROPOSED LEACHING AREA, OTHER THAN AS SHOWN ON THIS PLAN. I ALSO CERTIFY THAT THERE ARE NO EXISTING OR PROPOSED DRAINS, FOUNDATION DRAINS OR SUB DRAINS FOUND TO BE LOCATED WITHIN 25 FEET OF THIS PROPOSED OWTS.
 - ALL PIPE JOINTS, PIPE CONNECTIONS AND ACCESS COVERS ARE TO BE WATER TIGHT.
 - PRESSURE PIPE SHALL BE INSTALLED TO MAINTAIN FLOPE BACK TO TANK/PUMP CHAMBER TO DRAIN BETWEEN PUMPING CYCLES. ELIMINATE ANY HIGH OR LOW POINTS THAT MAY PREVENT DRAINING AND/OR AIR POCKETS.
 - CONTRACTOR TO PAY ANY REQUIRED INSTALLATION FEES.
 - CONTROL PANEL AND ALARM TO BE MOUNTED INSIDE BUILDING IN A CONSPICUOUS LOCATION, EXACT LOCATION TO BE COORDINATED WITH OWNER. ALL CONTROL PANELS AND JUNCTION BOXES SHALL BE NEMA 4X.
 - THE PUMP POSING CONTROLS WILL BE FIELD TESTED IN THE PRESENCE OF THE DESIGN ENGINEER AND ORENCO REPRESENTATIVE. ADJUSTMENT TO CONTROLS ARE THE CONTRACTOR'S RESPONSIBILITY. CONTRACTOR MUST MAKE WATER AVAILABLE FOR TESTING OF THE CONTROL FLOATS.
 - ALL TREES AND SHRUBS SHALL BE CLEAR AND NO NEW ONES SHALL BE PLANTED WITHIN 10' OF THE GRAVEL SAND TREATMENT SYSTEM.
 - THE GRAVEL SAND TREATMENT SYSTEM LOCATION SHALL BE STAKED OUT AND PROTECTED PRIOR TO ANY SITE PREPARATION ACTIVITIES.
 - NO IMPERVIOUS SURFACE IS TO BE PLACED ABOVE THE GST (LEACHING) SYSTEM.
 - MATERIAL AND EQUIPMENT FROM ALTERNATE MANUFACTURERS MAY BE USED IF EQUAL. APPROVAL FOR ALTERNATE MATERIAL AND/OR EQUIPMENT IS REQUIRED FROM THE OWNER AND ENGINEER. FULL SPECIFICATIONS FOR ALTERNATE EQUIPMENT MUST BE PROVIDED BY THE CONTRACTOR. IF ACCEPTABLE, THE CONTRACTOR MUST PREPARE AND SUBMIT FOR AN RIDEM OWTS CONSTRUCTION PERMIT BASED UPON THE REDESIGN.



DESIGN DATA

DAILY SEWAGE FLOW:
50 GPD/CAMPSITE x 150 CAMPSITES = 7500 GALLONS PER DAY (G.P.D.)

GROUND WATER TABLE: 120"

DEPTH TO IMPERVIOUS: NOT ENCOUNTERED

SOIL CLASS: B, SOIL CATEGORY: 3, LOADING RATE: 0.70 GAL/S.F./DAY

SEPTIC TANK REQUIREMENTS VOLUME = 2 X 7,500 G.P.D. = 15,000 GALLONS

LEACHING AREA REQUIREMENTS:

GRAVEL SAND TREATMENT (GST) SYSTEM WITH CATEGORY 1 TREATMENT (ORENCO ADVANTEX TREATMENT AX100)

ASSIGNED EFFLUENT LOADING RATE = 3.5 GPD PER S. F.

SQUARE FOOTAGE OF GST REQUIRED = 7500 GPD / 3.5 GPD PER S.F. = 2,143 S.F.

LENGTH OF GST 6212 REQUIRED = 2,143 S.F. / 17.5 S.F./L.F. = 123 L.F.

LENGTH OF GST 6212 SPECIFIED: 288 L.F.

TOTAL GST SYSTEM CAPACITY = 288 L.F. X 17.5 S.F./L.F. X 3.5 G.P.D./S.F. = 17,640 GPD

17,640 GPD > 7,500 GPD - CAPACITY = 235% OF ANTICIPATED DESIGN FLOW

LEGEND

— 100 —	EXISTING CONTOUR	+ 100.00	FINISHED SPOT GRADE
(-)-	PROPOSED CONTOUR	+ 100.00	EXISTING SPOT GRADE
RI. STD.	RHODE ISLAND STANDARD	—	SPLIT RAIL FENCE
INV.	INVERT OF PIPE	⊕	DEEP OBSERVATION HOLE
P. V. C.	POLYVINYL CHLORIDE PIPE	⊙	OUT CROP OR SURFACE ROCK
S. D. R.	STANDARD DIMENSION RATIO	—E—	EXIST. UNDERGROUND ELECTRIC
CONC.	CONCRETE	—W—	EXIST. WATER
BIT.	BITUMINOUS	—T—	EXIST. UNDERGROUND TELEPHONE
TYP.	TYPICAL	—	FINISH GRADE SURFACE FLOW DIRECTION

CERTIFICATION:

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TYPE OF BOUNDARY SURVEY: LIMITED CONTENT BOUNDARY SURVEY

MEASUREMENT SPECIFICATION: NOT A BOUNDARY SURVEY

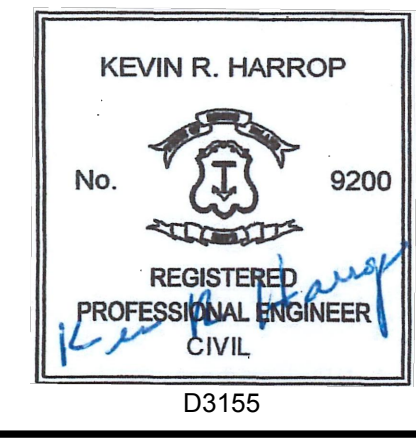
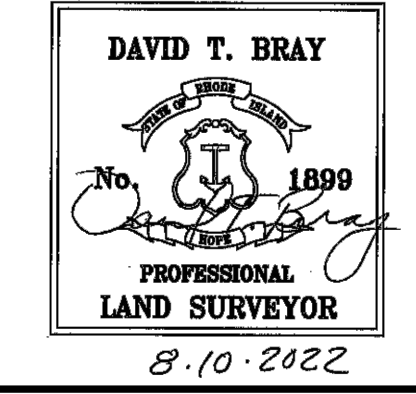
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David T. Bray 8/10/2022

DAVID T. BRAY PLS NO. 1899
CAPUTO AND WICK LTD., COA NO. A177



CAPUTO AND WICK LTD. - 1150 PAWTUCKET AVENUE - RUMFORD R.I. 02916

STATE OF RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
DIVISION OF PLANNING AND DEVELOPMENT

DEMOLITION AND REBUILD OF BATHHOUSES
BURLINGAME STATE PARK AND CAMPGROUND
CHARLESTOWN, RHODE ISLAND

BATHHOUSE "B" - SITE PLAN

Dwg: Scale: 1" = 20'

Contract No. x Date: OCTOBER 6, 2023

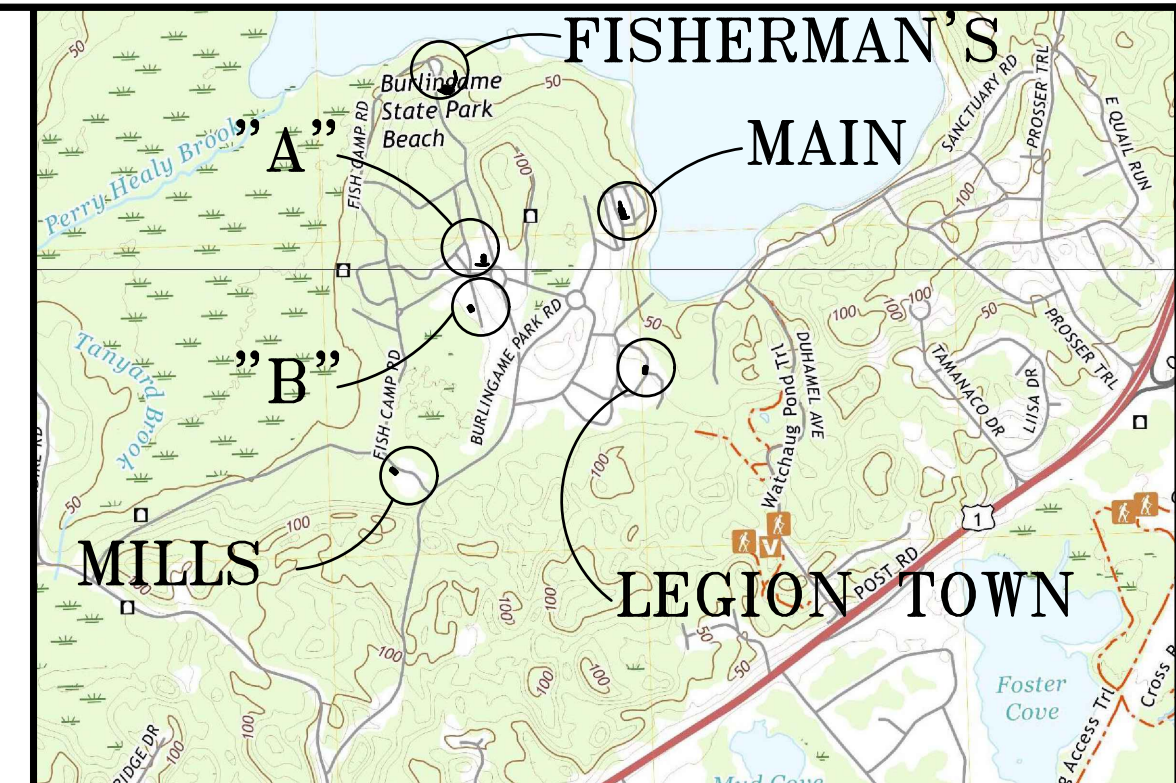
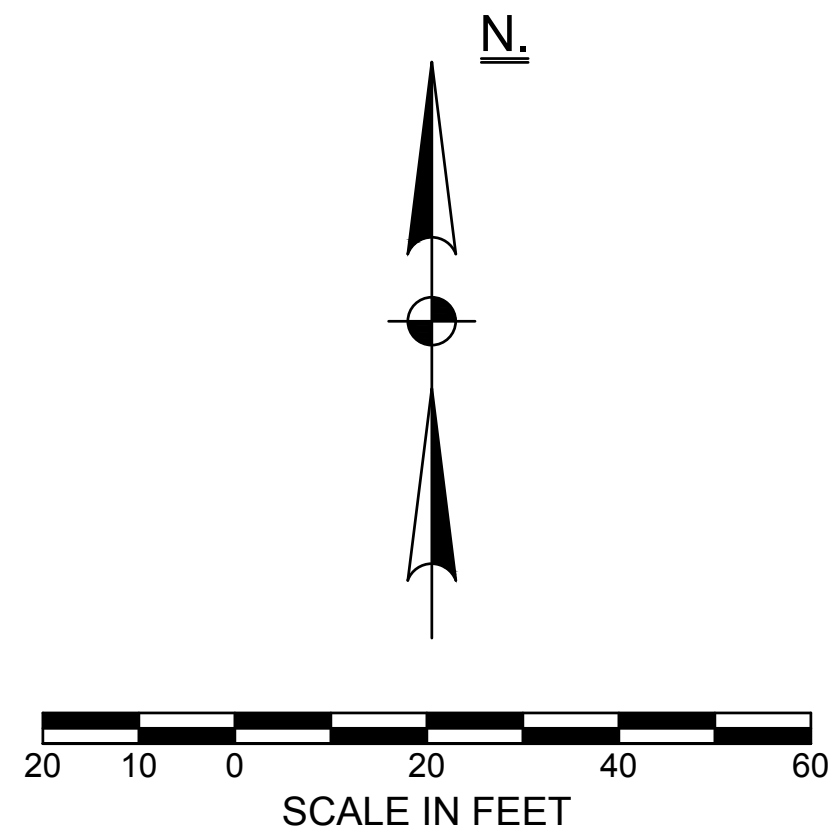
C-1.2
10 OF 106

TH-3A - GROUND ELEV: 89.3 - AUGUST 17, 2021										
HORIZON	DEPTH	DIST	TOPO	MATRIX	RE-DOX FEATURES	Ab. S. CONTR.	TEXTURE	STRUCTURE	CONSISTENCE	SOIL CATEGORY
A _p	0 - 7"	C	S	2.5YR 6/3			La	zgd	Vfr	3
B _w	7" - 36"	C	W	10YR 5/6			La	zgd	Fr	3
C	36" - 120"	C	S	2.5YR 7/3			La	zgd	Fr	3

SOIL CLASS: B OBSERVED STANDING GROUNDWATER - NA OBSERVED WEEPING GROUNDWATER - NA
ESTIMATED SEASONAL HIGH WATER TABLE - 120" (ELEV: 79.3) PERFORMED BY: KAMAL HINGORARY

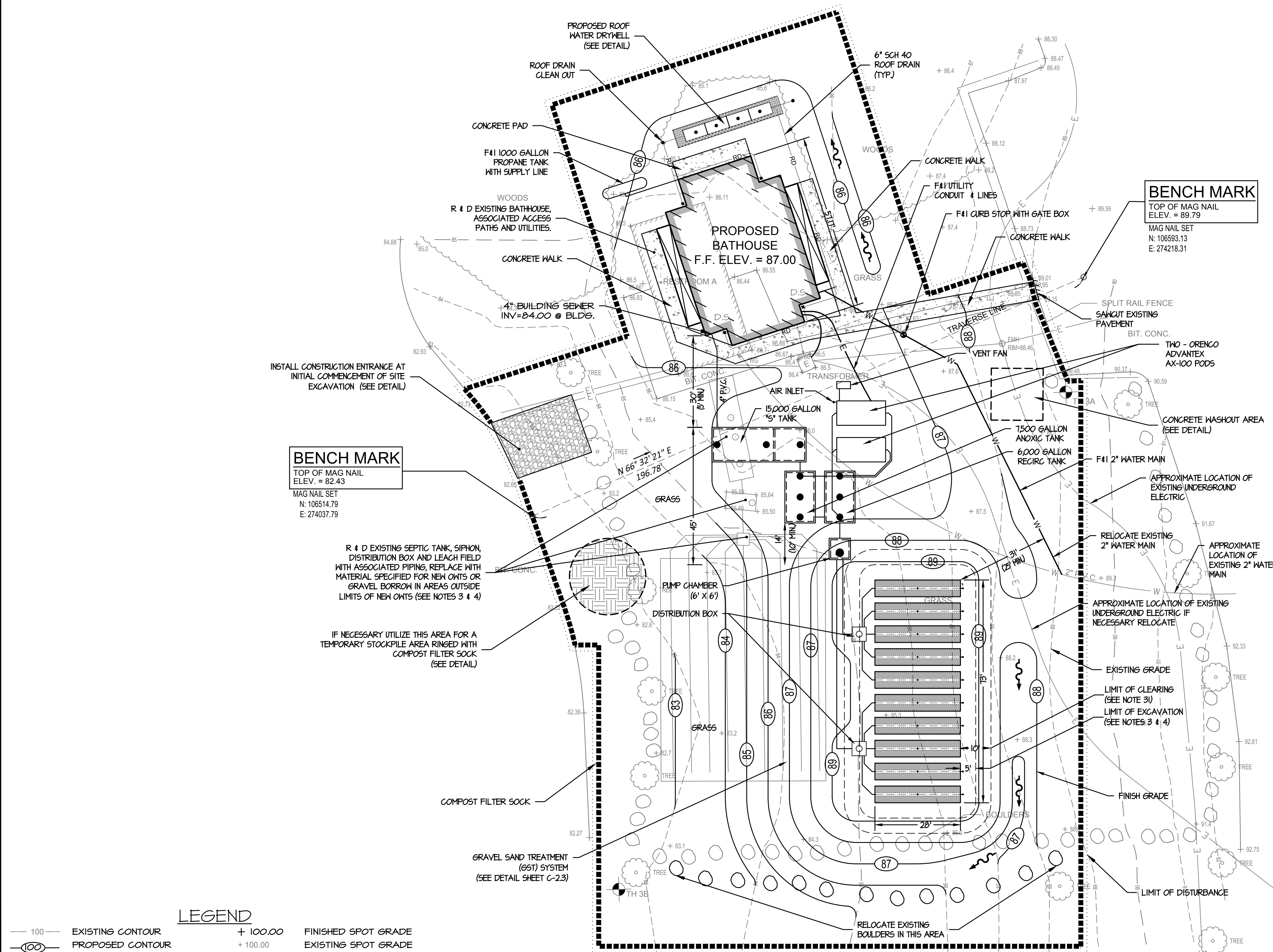
TH-3B - GROUND ELEV: 82.7 - AUGUST 17, 2021										
HORIZON	DEPTH	DIST	TOPO	MATRIX	RE-DOX FEATURES	Ab. S. CONTR.	TEXTURE	STRUCTURE	CONSISTENCE	SOIL CATEGORY
A _p	0 - 6"	C	S	2.5YR 6/3			La	zgd	Vfr	3
B _w	7" - 24"	C	W	10YR 5/6			La	zgd	Fr	3
C1	24" - 28"	C	S	2.5YR 7/3			La	zgd	Fr	3
C2	28" - 120"	-	-	2.5YR 7/3	5YR 4/4	M M P	La	zgd	Fr	3

SOIL CLASS: B OBSERVED STANDING GROUNDWATER - NA OBSERVED WEEPING GROUNDWATER - NA
ESTIMATED SEASONAL HIGH WATER TABLE - 24" (ELEV: 80.7) PERFORMED BY: KAMAL HINGORARY



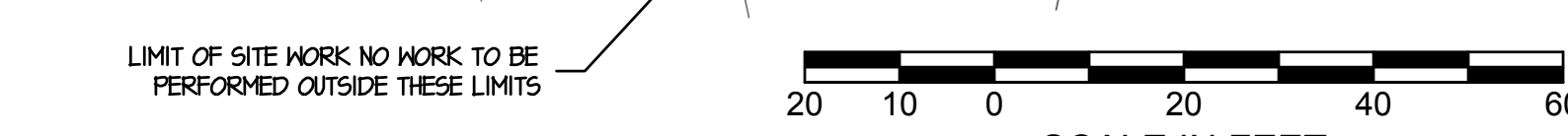
LOCUS MAP

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 - BUILDING SEWER PIPE TO BE 4" P. C. SCH. 40 UNLESS OTHERWISE NOTED.
 - PLACE 6" MINIMUM COMPACTED CRUSHED STONE UNDER SEPTIC TANK, ANOXIC TANK, RECIRCULATION TANK, PUMP CHAMBER, ADVANTEX TREATMENT TANKS AND SYSTEM STRUCTURES.
 - INLET AND OUTLET TEES FOR SEPTIC TANK, ANOXIC TANK, RECIRCULATION TANK AND PUMP CHAMBER ARE TO BE LOCATED DIRECTLY BELOW ACCESS COVERS.
 - SEPTIC TANK, ANOXIC TANK, RECIRCULATION TANK, PUMP CHAMBER AND ADVANTEX TREATMENT TANK RISERS/COVERS TO BE AT FINISH GRADE.
 - IF CONDITIONS ENCOUNTERED DURING CONSTRUCTION VARY SUBSTANTIALLY FROM THOSE SHOWN ON THIS PLAN, NOTIFY CAPUTO AND WICK, LTD. BEFORE PROCEEDING WITH CONSTRUCTION, IF IN DOUBT, ASK.
 - NEW SEPTIC TANK SHALL MEET ALL OF THE REQUIREMENTS OF 250-RICR-150-10-6-27.
 - INSPECTION OF THE SEPTIC TANK, ANOXIC TANK, RECIRCULATION TANK, PUMP CHAMBER AND ADVANTEX TREATMENT TANK SHALL BE PART OF THE MAINTENANCE SERVICE FOR THE OWTS AND ALL COMPONENTS SHALL BE CLEANED WHEN REQUIRED.
 - IT IS RECOMMENDED THAT THE SEPTIC TANK BE INSPECTED TWICE A YEAR, AND BE CLEANED WHEN THE SOLIDS EQUAL ONE THIRD THE LIQUID DEPTH.
 - MINIMUM PERIMETER INVERT ELEVATION = 88.50. NO FINISHED GRADE BELOW 88.50 FROM THE EDGE OF THE GRAVEL SAND TREATMENT SYSTEM FOR A 10 FEET MINIMUM.
 - THE SAND MEDIA USED IN CONSTRUCTION SHALL MEET THE ASTM C-33 SPECIFICATIONS. SIEVE ANALYSIS FROM PROPOSED SOURCE IS REQUIRED TO BE SUBMITTED TOGETHER WITH SHOP DRAWINGS. TESTING OF SAND MATERIAL, DELIVERED TO THE SITE IS REQUIRED.
 - OWTS INSTALLER MUST BE FAMILIAR WITH ADVANTEX PRODUCTS AND GRAVEL SAND TREATMENT SYSTEMS PROPOSED FOR THIS SITE. SEE ADVANTEX INSTALLATION MANUAL, GRAVEL SAND TREATMENT SYSTEM DESIGN AND INSTALLATION MANUAL, AND RIDEM GUIDELINES FOR ADDITIONAL DETAILS OF INSTALLATION.
 - INSTALLATION SHALL BE IN STRICT CONFORMANCE WITH THE ORENCO ADVANTEX INSTALLATION MANUAL AND GRAVEL SAND TREATMENT SYSTEM INSTALLATION MANUAL AND ALL OTHER APPLICABLE SECTIONS OF 250-RICR150-6. THE INSTALLATION SHALL ONLY BE PERFORMED BY A RHODE ISLAND DEM LICENSED INSTALLER WHO HAS RECEIVED TRAINING AND IS AUTHORIZED IN WRITING BY THE VENDORS TO INSTALL THE SYSTEM. AUTHORIZATION FROM THE VENDORS SHALL BE SUBMITTED TO ENGINEER PRIOR TO ANY CONSTRUCTION.
 - REFER TO 250-RICR-150-10-6 AND RIDEM GUIDELINES FOR ADDITIONAL INFORMATION CONCERNING THE INSTALLATION, OPERATION AND MAINTENANCE OF THE SYSTEM. THE INSTALLER AND OWNER SHOULD REVIEW AND APPLY 250-RICR-150-10-6 AND RIDEM GUIDELINES. THE SYSTEM TO BE CONSTRUCTED BY AN INSTALLER LICENSED BY RIDEM AND THOROUGHLY FAMILIAR WITH THE INSTALLATION OF ADVANTEX TREATMENT DEVICES AND GRAVEL SAND TREATMENT SYSTEMS.
 - THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH THE DESIGN ENGINEER IN ORDER TO FACILITATE WITNESSING THE REQUIRED PHASES OF THE SYSTEM INSTALLATION AS STATED IN 250-RICR-150-47 OF THE "REGULATIONS". FAILURE OF THE CONTRACTOR TO NOTIFY THE DESIGN ENGINEER IN A TIMELY MANNER MAY REQUIRE THE CONTRACTOR TO EXCAVATE AND EXPOSE THE SYSTEM COMPONENTS FOR OBSERVATION.
 - THE DESIGNER EXPRESSLY DISCLAIMS ANY RESPONSIBILITY FOR THE INSTALLATION AND MAINTENANCE OF THE SYSTEM. IT SHALL BE THE RESPONSIBILITY OF THE INSTALLER TO CONSTRUCT THE SYSTEM IN ACCORDANCE WITH THE ABOVE REFERENCED REGULATIONS.
 - CONTRACTOR SHALL CONTACT "DIG-SAFE" PRIOR TO CONSTRUCTION. LOCATION OF UTILITIES ON THIS PLAN ARE FROM EXISTING INFORMATION, BUT ARE ONLY TO BE CONSIDERED APPROXIMATE.
 - THERE ARE NO PUBLIC WELLS, EXISTING OR PROPOSED, FOUND TO BE LOCATED WITHIN 500 FEET OF THE PROPOSED OWTS EXCEPT AS SHOWN.
 - NO FRESHWATER WETLANDS OBSERVED WITHIN 200 FEET OF THE PROPOSED OWTS. THIS SITE DOES NOT LIE WITHIN A CRITICAL RESOURCE AREA.
 - I CERTIFY THAT THERE ARE NO WELLS FOUND TO BE LOCATED WITHIN 200 FEET OF THE PROPOSED LEACHING AREA, OTHER THAN AS SHOWN ON THIS PLAN. I ALSO CERTIFY THAT THERE ARE NO EXISTING OR PROPOSED DRAINS, FOUNDATION DRAINS OR SUB DRAINS FOUND TO BE LOCATED WITHIN 25 FEET OF THIS PROPOSED OWTS.
 - ALL PIPE JOINTS, PIPE CONNECTIONS AND ACCESS COVERS ARE TO WATER TIGHT.
 - PRESSURE PIPE SHALL BE INSTALLED TO MAINTAIN SLOPE BACK TO TANK/PUMP CHAMBER TO DRAIN BETWEEN PUMPING CYCLES. ELIMINATE ANY HIGH OR LOW POINTS THAT MAY PREVENT DRAINING AND/OR AIR LOCKS.
 - CONTRACTOR TO PAY ANY REQUIRED INSTALLATION FEES.
 - CONTROL PANEL AND ALARM TO BE MOUNTED INSIDE BUILDING IN A CONSPICUOUS LOCATION, EXACT LOCATION TO BE COORDINATED WITH OWNER. ALL CONTROL PANELS AND JUNCTION BOXES SHALL BE NEMA 4X.
 - THE PUMP DOSING CONTROLS WILL BE FIELD TESTED IN THE PRESENCE OF THE DESIGN ENGINEER AND ORENCO REPRESENTATIVE. ADJUSTMENT TO CONTROLS ARE THE CONTRACTOR'S RESPONSIBILITY. CONTRACTOR MUST MAKE WATER AVAILABLE FOR TESTING OF THE CONTROL FLOATS.
 - ALL TREES AND SHRUBS SHALL BE CLEAR AND NO NEW ONES SHALL BE PLANTED WITHIN 10' OF THE GRAVEL SAND TREATMENT SYSTEM.
 - THE GRAVEL SAND TREATMENT SYSTEM LOCATION SHALL BE STACKED OUT AND PROTECTED PRIOR TO ANY SITE PREPARATION ACTIVITIES.
 - NO IMPERVIOUS SURFACE IS TO BE PLACED ABOVE THE GST (LEACHING) SYSTEM.
 - MATERIAL AND EQUIPMENT FROM ALTERNATE MANUFACTURERS MAY BE USED IF EQUAL. APPROVAL FOR ALTERNATE MATERIAL AND/OR EQUIPMENT IS REQUIRED FROM THE OWNER AND ENGINEER. FULL SPECIFICATIONS FOR ALTERNATE EQUIPMENT MUST BE PROVIDED BY THE CONTRACTOR. IF ACCEPTABLE, THE CONTRACTOR MUST PREPARE AND SUBMIT FOR AN RIDEM OWTS CONSTRUCTION PERMIT BASED UPON THE REDESIGN.



LEGEND

— 100 —	EXISTING CONTOUR	+ 100.00	FINISHED SPOT GRADE
— 100 —	PROPOSED CONTOUR	+ 100.00	EXISTING SPOT GRADE
RI. STD.	RHODE ISLAND STANDARD	—	SPLIT RAIL FENCE
INV.	INVERT OF PIPE	—	DEEP OBSERVATION HOLE
P. V. C.	POLYVINYL CHLORIDE PIPE	—	OUT CROP OR SURFACE ROCK
S. D. R.	STANDARD DIMENSION RATIO	—	EXIST. UNDERGROUND ELECTRIC
CONC.	CONCRETE	—	EXIST. WATER
BIT.	BITUMINOUS	—	EXIST. UNDERGROUND TELEPHONE
TYP.	TYPICAL	—	FINISH GRADE SURFACE FLOW DIRECTION



CAPUTO AND WICK LTD. - 1150 PAWTUCKET AVENUE - RUMFORD R.I. 02916

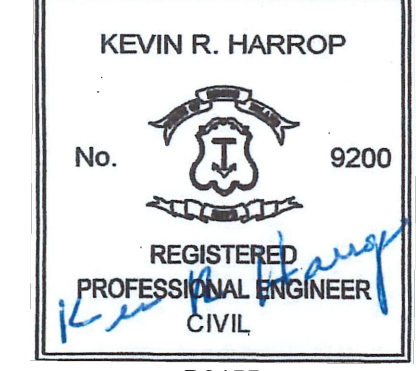
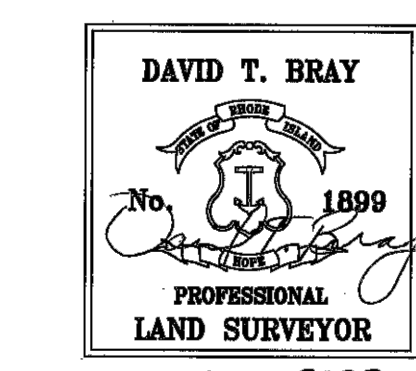
CERTIFICATION:
THIS SURVEY HAS BEEN CONDUCTED AND THE PLAN HAS BEEN PREPARED PURSUANT TO SECTION 8 OF THE RULES AND REGULATIONS ADOPTED BY THE RHODE ISLAND STATE BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS ON NOVEMBER 25, 2015, AS FOLLOWS:

TYPE OF BOUNDARY SURVEY: LIMITED CONTENT BOUNDARY SURVEY
MEASUREMENT SPECIFICATION: NOT A BOUNDARY SURVEY

OTHER TYPE OF SURVEY: DATA ACQUISITION SURVEY (LOCATIONS)
CLASS II
TOPOGRAPHIC SURVEY ACCURACY

THE PURPOSE OF THIS SURVEY IS TO DEPICT THE EXISTING CONDITIONS IN THE PROJECT AREA FOR CONSTRUCTION AND THE DESIGN OF A NEW ONSITE WASTEWATER TREATMENT SYSTEM.

David T. Bray 8/10/2022
DAVID T. BRAY PLS NO. 1899 DATE
CAPUTO AND WICK LTD., COA NO. A177



STATE OF RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
DIVISION OF PLANNING AND DEVELOPMENT

DEMOLITION AND REBUILD OF BATHHOUSES
BURLINGAME STATE PARK AND CAMPGROUND
CHARLESTOWN, RHODE ISLAND

BATHHOUSE "A" - SITE PLAN

Dwg: Scale: 1" = 20'
Contract No. x Date: OCTOBER 6, 2023 C-1.3
11 OF 106

BURLINGAME STATE PARK AND CAMPGROUND

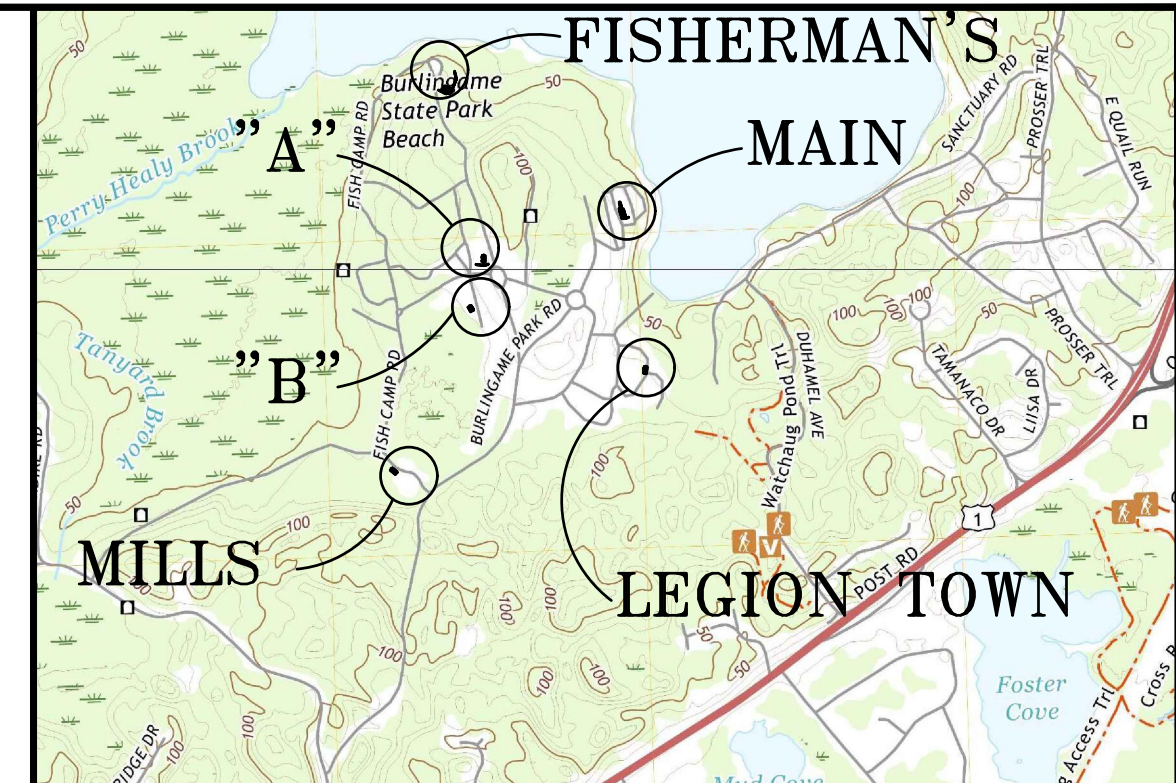
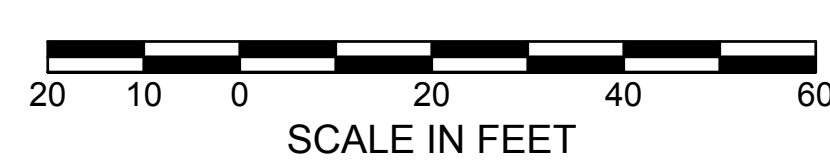
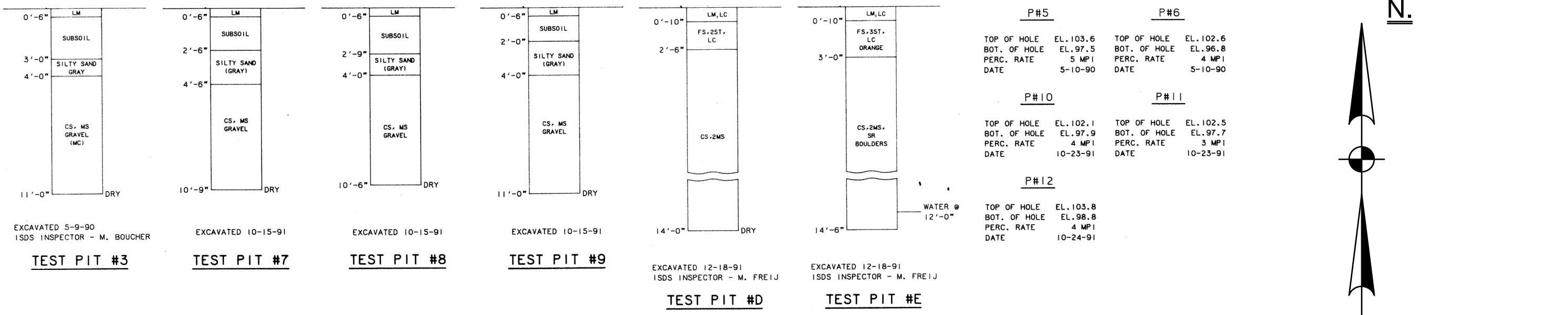
D:\RhodeIsland\Charlestown\RIDEM - Burlingame\009 - 025 - and S-6 Site Design.dwg

TH-2A - GROUND ELEV. 58.0 - AUGUST 17, 2021										
HORIZON	DEPTH	DIST	TOPO	MATRIX	RE-DOX	Ab. S. CONTR.	TEXTURE	STRUCTURE	CONSISTENCE	SOIL CATEGORY
Ap	0 - 5"	C	S	2.5YR 6/3			La	Zgd	Vf	3
Bw	5" - 29"	C	S	10YR 5/6			La	Zgd	Fr	3
C1	29" - 120"	C	S	2.5YR 7/3			La	Zgd	Fr	3

SOIL CLASS: B OBSERVED STANDING GROUNDWATER - NA OBSERVED SEEPING GROUNDWATER - NA
ESTIMATED SEASONAL HIGH WATER TABLE - 120" (ELEV. 48.0) PERFORMED BY: KAMAL HINGORARY

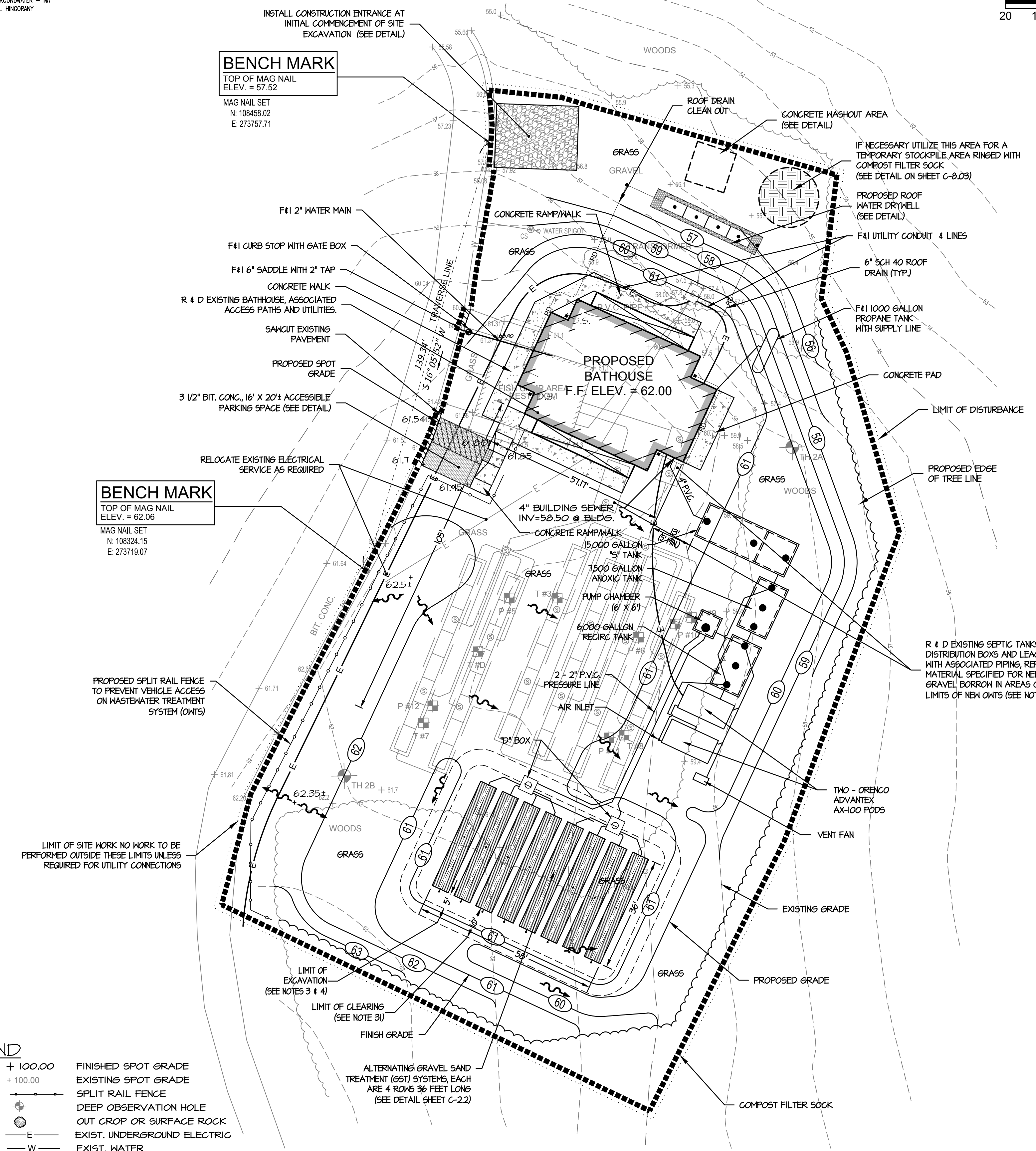
TH-2B - GROUND ELEV. 62.0 - AUGUST 17, 2021										
HORIZON	DEPTH	DIST	TOPO	MATRIX	RE-DOX	Ab. S. CONTR.	TEXTURE	STRUCTURE	CONSISTENCE	SOIL CATEGORY
Ap	0 - 8"	C	S	2.5YR 6/3			La	Zgd	Vf	3
Bw	8" - 28"	C	S	10YR 5/6			La	Zgd	Fr	3
C1	28" - 120"	C	S	2.5YR 7/3			La	Zgd	Fr	3

SOIL CLASS: B OBSERVED STANDING GROUNDWATER - NA OBSERVED SEEPING GROUNDWATER - NA
ESTIMATED SEASONAL HIGH WATER TABLE - 120" (ELEV. 52.0) PERFORMED BY: KAMAL HINGORARY



LOCUS MAP

- NOTES:**
- ALL WORK SHALL CONFORM TO THE RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT, OFFICE OF WATER RESOURCES "RULES AND REGULATIONS ESTABLISHING MINIMUM STANDARDS RELATING TO LOCATION, DESIGN, CONSTRUCTION AND MAINTENANCE OF ON-SITE WASTEWATER TREATMENT SYSTEMS", LATEST EDITION.
 - THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO CAPUTO AND WICK LTD. FOR APPROVAL OF ALL PROPOSED CONSTRUCTION MATERIALS AND EQUIPMENT PRIOR TO ANY CONSTRUCTION.
 - EXISTING ON-SITE WASTEWATER TREATMENT SYSTEM (OWTS) PRECAST STRUCTURES ARE TO BE PUMPED OUT, RINSED WITH CLEAN WATER AND PUMPED OUT AGAIN. PUMPING MUST BE PERFORMED BY A STATE LICENSED SEPTIC HALLER AND THE CONTENTS OF THE TANK DISPOSED OF PROPERLY. AFTER PUMPING, THE EXISTING OWTS STRUCTURES MUST BE FILLED WITH FLOWABLE FILL OR REMOVED AND REPLACED WITH GRAVEL BORROW AND 4" LOAM AND SEED.
 - REMOVE ALL PORTIONS OF THE EXISTING OWTS WITHIN 5' OF THE GRAVEL SAND TREATMENT SYSTEM, AND ALL FILL, A HORIZON SOIL, B HORIZON SOIL AND SCARIFY 3" OF THE C HORIZON SOIL BELOW THE GRAVEL SAND TREATMENT SYSTEM AND THOROUGHLY MIX WITH ASTM C-33 SAND (SEE NOTE 16) TO INTERFACE THE FILL WITH THE SOIL, AND REPLACE ALL REMOVED SOIL WITH ASTM C-33 SAND. A AND B SOIL HORIZON LAYERS ARE TO BE REMOVED IN THIS APPLICATION DUE TO COMPACTION CAUSED BY THE PREVIOUS SYSTEM INSTALLATION AND FILL BEING PLACED ABOVE.
 - UNSATURABLE MATERIAL USED TO BACKFILL THE TEST HOLES SHALL BE REMOVED AND REPLACED WITH WITH ASTM C-33 SAND (SEE NOTE 16).
 - ASTM C-33 SAND (SEE NOTE 16) MUST BE PLACED ON SCARIFIED, RELATIVELY DRY NATURAL SOIL. THE CONTRACTOR SHALL PROVIDE FOR DEWATERING AS REQUIRED AND ALL WORK SHALL BE PERFORMED UNDER DRY CONDITIONS.
 - BUILDING SEWER PIPE TO BE 4" P. V. C. SCH. 40 UNLESS OTHERWISE NOTED.
 - PLACE 6" MINIMUM COMPACTED CRUSHED STONE UNDER SEPTIC TANK, ANOXIC TANK, RECIRCULATION TANK, PUMP CHAMBER, ADVANTEX TREATMENT TANKS AND SYSTEM STRUCTURES.
 - INLET AND OUTLET TEES FOR SEPTIC TANK, ANOXIC TANK, RECIRCULATION TANK AND PUMP CHAMBER ARE TO BE LOCATED DIRECTLY BELOW ACCESS COVERS.
 - SEPTIC TANK, ANOXIC TANK, RECIRCULATION TANK, PUMP CHAMBER AND ADVANTEX TREATMENT TANK RISERS/COVERS TO BE AT FINISH GRADE.
 - IF CONDITIONS ENCOUNTERED DURING CONSTRUCTION VARY SUBSTANTIALLY FROM THOSE SHOWN ON THIS PLAN, NOTIFY CAPUTO AND WICK, LTD. BEFORE PROCEEDING WITH CONSTRUCTION. IF IN DOUBT, ASK.
 - NEW SEPTIC TANK SHALL MEET ALL OF THE REQUIREMENTS OF 250-RICR-150-10-6.27.
 - INSPECTION OF THE SEPTIC TANK, ANOXIC TANK, RECIRCULATION TANK, PUMP CHAMBER AND ADVANTEX TREATMENT TANK SHALL BE PART OF THE MAINTENANCE SERVICE FOR THE OWTS AND ALL COMPONENTS SHALL BE CLEANED WHEN REQUIRED.
 - IT IS RECOMMENDED THAT THE SEPTIC TANK BE INSPECTED TWICE A YEAR, AND BE CLEANED WHEN THE SOLIDS EQUAL ONE THIRD THE LIQUID DEPTH.
 - MINIMUM PERIMETER INVERT ELEVATION = 59.50. NO FINISHED GRADE BELOW 59.50 FROM THE EDGE OF THE GRAVEL SAND TREATMENT SYSTEM FOR A 10 FEET MINIMUM.
 - THE SAND MEDIA USED IN CONSTRUCTION SHALL MEET THE ASTM C-33 SPECIFICATIONS. SIEVE ANALYSIS FROM PROPOSED SOURCE IS REQUIRED TO BE SUBMITTED TOGETHER WITH SHOP DRAWINGS. TESTING OF SAND MATERIAL DELIVERED TO THE SITE IS REQUIRED.
 - OWTS INSTALLER MUST BE FAMILIAR WITH ADVANTEX PRODUCTS AND GRAVEL SAND TREATMENT SYSTEMS PROPOSED FOR THIS SITE. SEE ADVANTEX INSTALLATION MANUAL, GRAVEL SAND TREATMENT SYSTEM DESIGN AND INSTALLATION MANUAL, AND RIDEM GUIDELINES FOR ADDITIONAL DETAILS OF INSTALLATION.
 - INSTALLATION SHALL BE IN STRICT CONFORMANCE WITH THE ORENCO ADVANTEX INSTALLATION MANUAL AND GRAVEL SAND TREATMENT SYSTEM INSTALLATION MANUAL AND ALL OTHER APPLICABLE SECTIONS OF 250-RICR150-6. THE INSTALLATION SHALL ONLY BE PERFORMED BY A RHODE ISLAND DEM LICENSED INSTALLER WHO HAS RECEIVED TRAINING AND IS AUTHORIZED IN WRITING BY THE VENDORS TO INSTALL THE SYSTEM. AUTHORIZATION FROM THE VENDORS SHALL BE SUBMITTED TO ENGINEER PRIOR TO ANY CONSTRUCTION.
 - REFER TO 250-RICR-150-10-6 AND RIDEM GUIDELINES FOR ADDITIONAL INFORMATION CONCERNING THE INSTALLATION, OPERATION AND MAINTENANCE OF THE SYSTEM. THE INSTALLER AND OWNER SHOULD REVIEW AND APPLY 250-RICR-150-10-6 AND RIDEM GUIDELINES. THE SYSTEM TO BE CONSTRUCTED BY AN INSTALLER LICENSED BY RIDEM AND THOROUGHLY FAMILIAR WITH THE INSTALLATION OF ADVANTEX TREATMENT DEVICES AND GRAVEL SAND TREATMENT SYSTEMS.
 - THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH THE DESIGN ENGINEER IN ORDER TO FACILITATE WITNESSING THE REQUIRED PHASES OF THE SYSTEM INSTALLATION AS STATED IN 250-RICR-150-6.47 OF THE "REGULATIONS". FAILURE OF THE CONTRACTOR TO NOTIFY THE DESIGN ENGINEER IN A TIMELY MANNER MAY REQUIRE THE CONTRACTOR TO EXCAVATE AND EXPOSE SYSTEM COMPONENTS FOR OBSERVATION.
 - THE DESIGNER EXPRESSLY DISCLAIMS ANY RESPONSIBILITY FOR THE INSTALLATION AND MAINTENANCE OF THE SYSTEM. IT SHALL BE THE RESPONSIBILITY OF THE INSTALLER TO CONSTRUCT THE SYSTEM IN ACCORDANCE WITH THE ABOVE REFERENCED REGULATIONS.
 - CONTRACTOR SHALL CONTACT "DIG-SAFE" PRIOR TO CONSTRUCTION. LOCATION OF UTILITIES ON THIS PLAN ARE FROM EXISTING INFORMATION, BUT ARE ONLY TO BE CONSIDERED APPROXIMATE.
 - THERE ARE NO PUBLIC WELLS, EXISTING OR PROPOSED, FOUND TO BE LOCATED WITHIN 500 FEET OF THE PROPOSED OWTS EXCEPT AS SHOWN.
 - NO FRESHWATER WETLANDS OBSERVED WITHIN 200 FEET OF THE PROPOSED OWTS. THIS SITE DOES NOT LIE WITHIN A CRITICAL RESOURCE AREA.
 - I CERTIFY THAT THERE ARE NO WELLS FOUND TO BE LOCATED WITHIN 200 FEET OF THE PROPOSED LEACHING AREA, OTHER THAN AS SHOWN ON THIS PLAN. I ALSO CERTIFY THAT THERE ARE NO EXISTING OR PROPOSED DRAINS, FOUNDATION DRAINS OR SUB DRAINS FOUND TO BE LOCATED WITHIN 25 FEET OF THIS PROPOSED OWTS.
 - ALL PIPE JOINTS, PIPE CONNECTIONS AND ACCESS COVERS ARE TO BE WATER TIGHT.
 - PRESSURE PIPE SHALL BE INSTALLED TO MAINTAIN SLOPE BACK TO TANK/PUMP CHAMBER TO DRAIN BETWEEN PUMPING CYCLES. ELIMINATE ANY HIGH OR LOW POINTS THAT MAY PREVENT DRAINING AND/OR AIR LOCKS.
 - CONTRACTOR TO PAY ANY REQUIRED INSTALLATION FEES.
 - CONTROL PANEL AND ALARM TO BE MOUNTED INSIDE BUILDING IN A CONSPICUOUS LOCATION, EXACT LOCATION TO BE COORDINATED WITH OWNER. ALL CONTROL PANELS AND JUNCTION BOXES SHALL BE NEMA 4X.
 - THE PUMP POSING CONTROLS WILL BE FIELD TESTED IN THE PRESENCE OF THE DESIGN ENGINEER AND ORENCO REPRESENTATIVE. ADJUSTMENT TO CONTROLS ARE THE CONTRACTORS RESPONSIBILITY. CONTRACTOR MUST MAKE WATER AVAILABLE FOR TESTING OF THE CONTROL FLOATS.
 - ALL TREES AND SHRUBS SHALL BE CLEAR AND NO NEW ONES SHALL BE PLANTED WITHIN 10' OF THE GRAVEL SAND TREATMENT SYSTEM.
 - THE GRAVEL SAND TREATMENT SYSTEM LOCATION SHALL BE STAKED OUT AND PROTECTED PRIOR TO ANY SITE PREPARATION ACTIVITIES.
 - NO IMPERVIOUS SURFACE IS TO BE PLACED ABOVE THE GST (LEACHING) SYSTEM.
 - MATERIAL AND EQUIPMENT FROM ALTERNATE MANUFACTURERS MAY BE USED IF EQUAL. APPROVAL FOR ALTERNATE MATERIAL AND/OR EQUIPMENT IS REQUIRED FROM THE OWNER AND ENGINEER. FULL SPECIFICATIONS FOR ALTERNATE EQUIPMENT MUST BE PROVIDED BY THE CONTRACTOR. IF ACCEPTABLE, THE CONTRACTOR MUST PREPARE AND SUBMIT FOR AN RIDEM OWTS CONSTRUCTION PERMIT BASED UPON THE REDESIGN.



LEGEND

--- 100 ---	EXISTING CONTOUR	+ 100.00	FINISHED SPOT GRADE
--- 100.00 ---	PROPOSED CONTOUR	+ 100.00	EXISTING SPOT GRADE
RI. STD.	RHODE ISLAND STANDARD		
INV.	INVERT OF PIPE		DEEP OBSERVATION HOLE
P. V. C.	POLYVINYL CHLORIDE PIPE		OUT CROP OR SURFACE ROCK
S. D. R.	STANDARD DIMENSION RATIO		EXIST. UNDERGROUND ELECTRIC
CONC.	CONCRETE		EXIST. WATER
BIT.	BITUMINOUS		EXIST. UNDERGROUND TELEPHONE
TYP.	TYPICAL		FINISH GRADE SURFACE FLOW DIRECTION

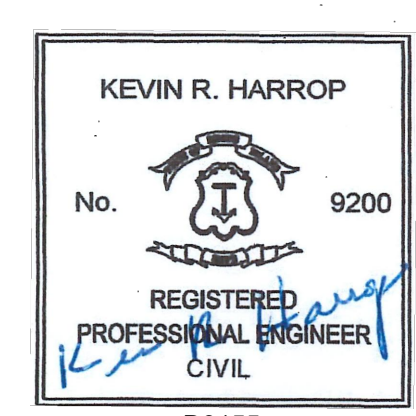
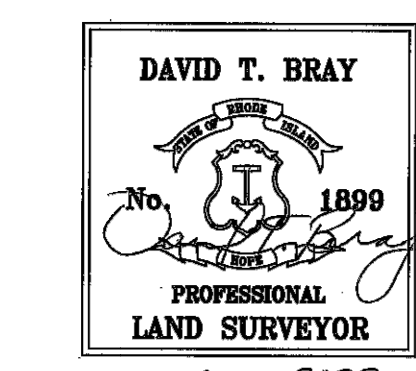
CERTIFICATION:
THIS SURVEY HAS BEEN CONDUCTED AND THE PLAN HAS BEEN PREPARED PURSUANT TO SECTION 8 OF THE RULES AND REGULATIONS ADOPTED BY THE RHODE ISLAND STATE BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS ON NOVEMBER 25, 2015, AS FOLLOWS:

TYPE OF BOUNDARY SURVEY: LIMITED CONTENT BOUNDARY SURVEY
MEASUREMENT SPECIFICATION: NOT A BOUNDARY SURVEY

OTHER TYPE OF SURVEY: DATA ACCUMULATION SURVEY (LOCATIONS)
CLASS II: T2 (IMMEDIATE AREA AROUND BATHHOUSE AND OWTS)

THE PURPOSE OF THIS SURVEY IS TO DEPICT THE EXISTING CONDITIONS IN THE PROJECT AREA FOR CONSTRUCTION AND THE DESIGN OF A NEW ON-SITE WASTEWATER TREATMENT SYSTEM.

David T. Bray 8/10/2022
DAVID T. BRAY PLS NO. 1989
CAPUTO AND WICK LTD., COA NO. A177



CAPUTO AND WICK LTD. - 1150 PAWTUCKET AVENUE - RUMFORD R.I. 02916

BURLINGAME STATE PARK AND CAMPGROUND

STATE OF RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
DIVISION OF PLANNING AND DEVELOPMENT

DEMOLITION AND REBUILD OF BATHHOUSES
BURLINGAME STATE PARK AND CAMPGROUND
CHARLESTOWN, RHODE ISLAND

FISH CAMP BATHHOUSE - SITE PLAN

Dwg: _____ Scale: 1" = 20'
Contract No. x _____ Date: OCTOBER 6, 2023

C-1.4
12 OF 106

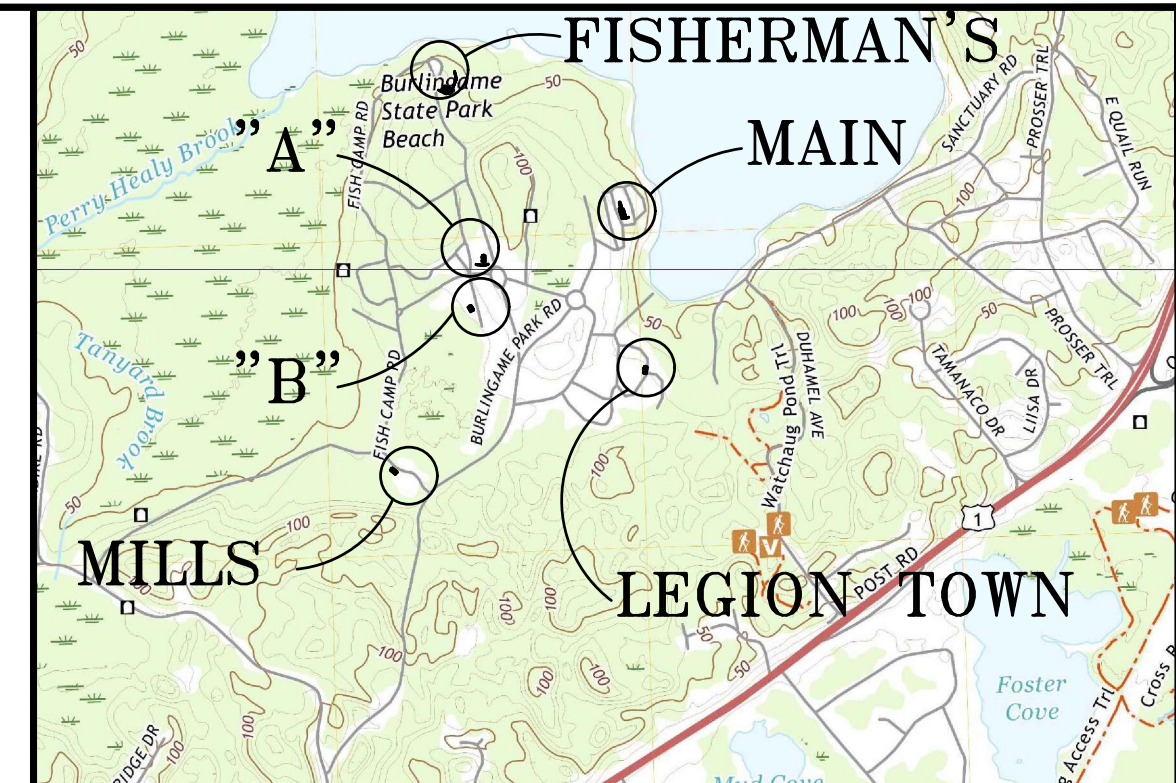
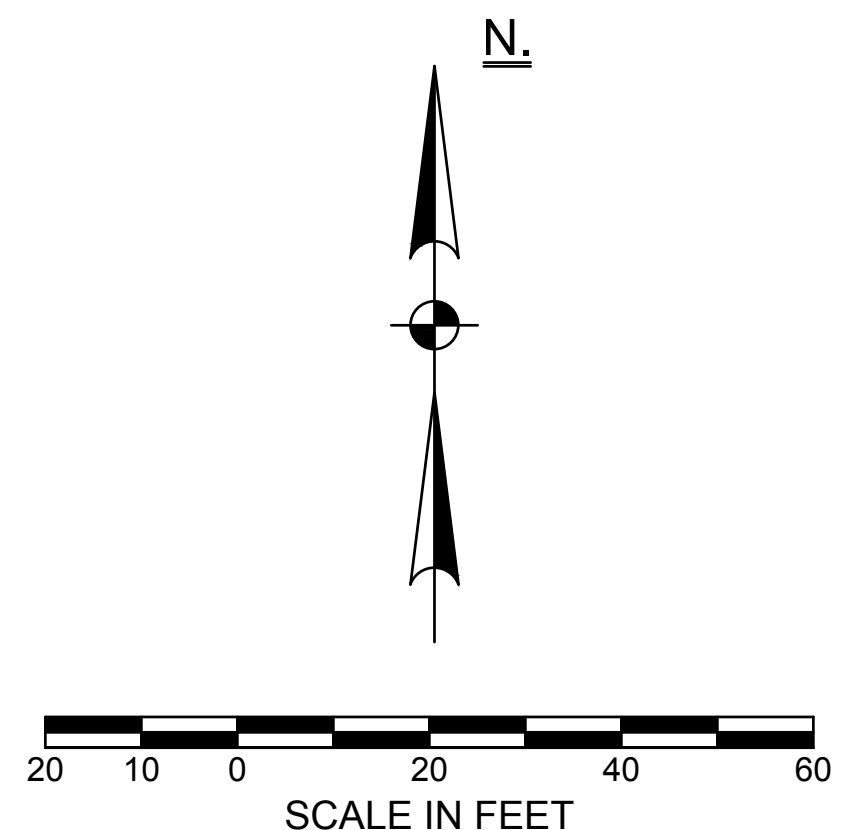
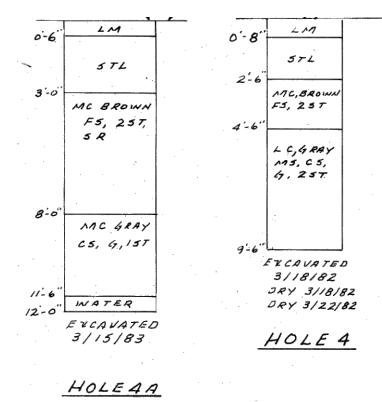
D:\RhodeIsland\Charlestown\RIDEM - Burlingame\009 - 025 - and S-6 Site Designing

TH-5A - GROUND ELEV: 69.2 - AUGUST 18, 2021										
HORIZON	DEPTH	DIST	TOPO	MATRIX	RE-DOX	Ab. S. CONTR.	TEXTURE	STRUCTURE	CONSISTENCE	SOIL CATEGORY
Ap	0 - 10"	C	S	2.5YR 6/3			Lo	2gd	Vfr	3
Bw	10" - 30"	C	S	10YR 5/6			Lo	2gd	Fr	3
Bw2	30" - 32"	C	S	2.5YR 7/3	5YR 4/4	M M P	Lo	2gd	Fr	3
C	32" - 120"	C	S	2.5YR 7/3			Lo	2gd	Fr	3

SOIL CLASS: B OBSERVED STANDING GROUNDWATER - NA PERFORMED BY: KAMAL HINCORANY
ESTIMATED SEASONAL HIGH WATER TABLE - 30" (ELEV: 66.7)

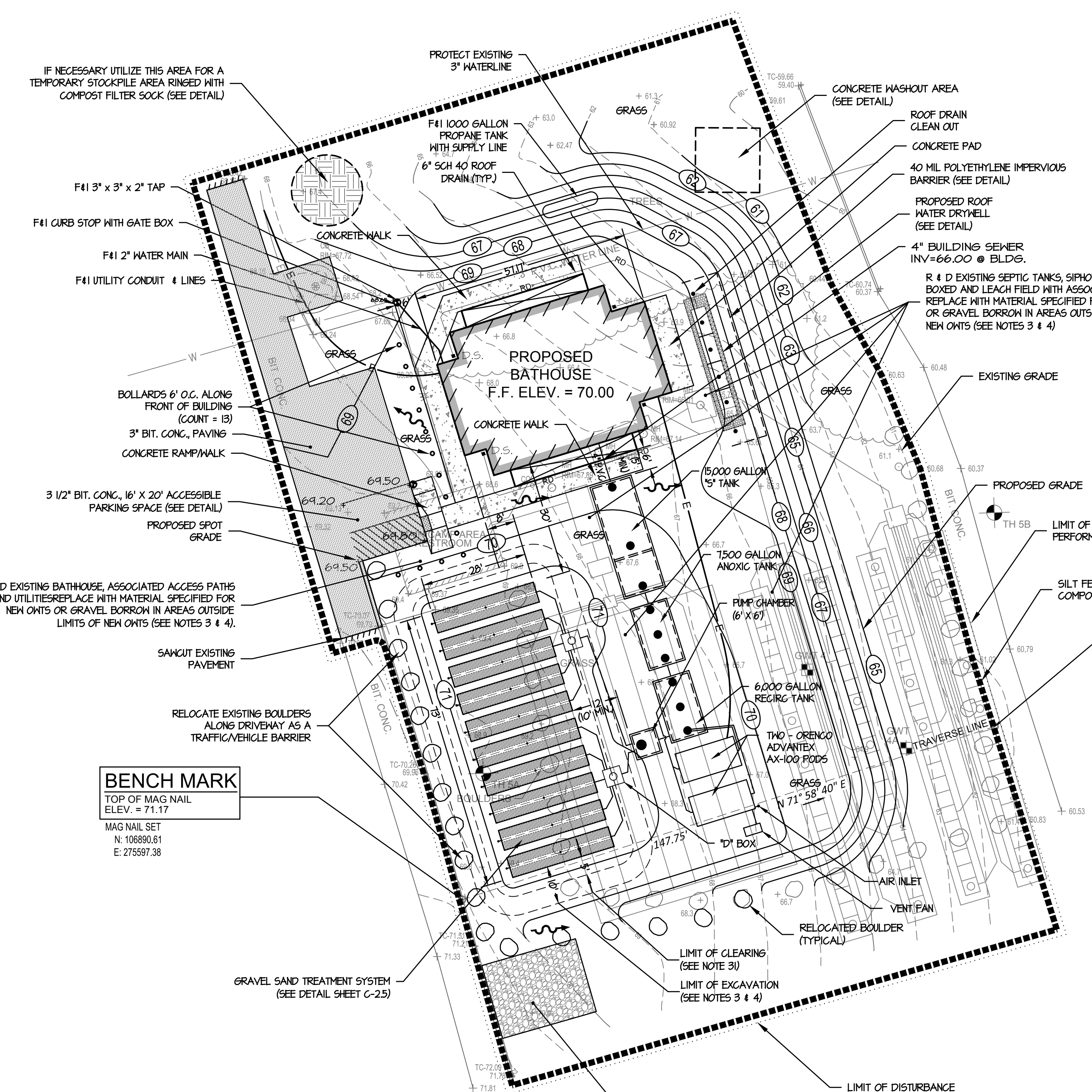
TH-5B - GROUND ELEV: 60.4 - AUGUST 18, 2021										
HORIZON	DEPTH	DIST	TOPO	MATRIX	RE-DOX	Ab. S. CONTR.	TEXTURE	STRUCTURE	CONSISTENCE	SOIL CATEGORY
Ap	0 - 8"	C	S	2.5YR 6/3			Lo	2gd	Vfr	3
Bw	8" - 30"	C	S	10YR 5/6			Lo	2gd	Fr	3
C	30" - 120"	C	S	2.5YR 7/3	5YR 4/4	M M P	Lo	2gd	Fr	3

SOIL CLASS: B OBSERVED STANDING GROUNDWATER - NA PERFORMED BY: KAMAL HINCORANY
ESTIMATED SEASONAL HIGH WATER TABLE - 30" (ELEV: 57.9)



LOCUS MAP

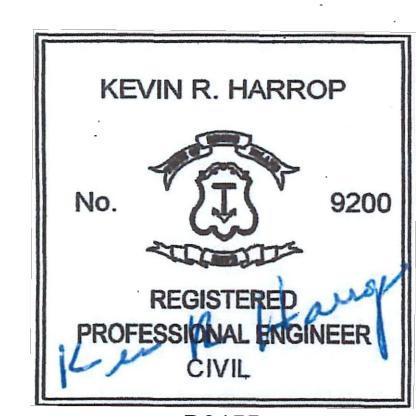
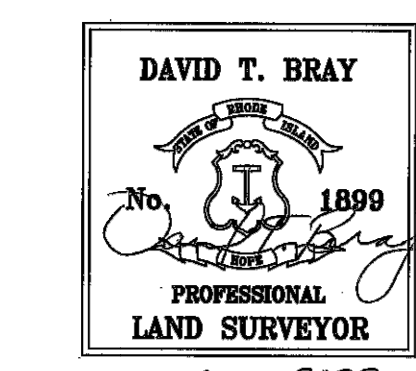
- NOTES:**
- ALL WORK SHALL CONFORM TO THE RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT, OFFICE OF WATER RESOURCES "RULES AND REGULATIONS ESTABLISHING MINIMUM STANDARDS RELATING TO LOCATION, DESIGN, CONSTRUCTION AND MAINTENANCE OF ONSITE WASTEWATER TREATMENT SYSTEMS", LATEST EDITION.
 - THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO CAPUTO AND WICK LTD. FOR APPROVAL OF ALL PROPOSED CONSTRUCTION MATERIALS AND EQUIPMENT PRIOR TO ANY CONSTRUCTION.
 - EXISTING ONSITE WASTEWATER TREATMENT SYSTEM (OWTS) PRECAST STRUCTURES ARE TO BE PUMPED OUT, RINSED WITH CLEAN WATER AND PUMPED OUT AGAIN. PUMPING MUST BE PERFORMED BY A STATE LICENSED SEPTIC HAULER AND THE CONTENTS OF THE TANK DISPOSED OF PROPERLY. AFTER PUMPING, THE EXISTING OWTS STRUCTURES MUST BE FILLED WITH FLOWABLE FILL OR REMOVED AND REPLACED WITH GRAVEL BORROW AND 4" LOAM AND SEED.
 - REMOVE ALL PORTIONS OF THE EXISTING OWTS WITHIN 5' OF THE GRAVEL SAND TREATMENT SYSTEM, AND ALL FILL, A HORIZON SOIL, B HORIZON SOIL, AND SCARIFY 3" OF THE C HORIZON SOIL BELOW THE GRAVEL SAND TREATMENT SYSTEM AND THOUGHLY MIX WITH ASTM C-33 SAND (SEE NOTE 16) TO INTERFACE THE FILL WITH THE SOIL, AND REPLACE ALL REMOVED SOIL WITH ASTM C-33 SAND. A AND B SOIL HORIZON LAYERS ARE TO BE REMOVED IN THIS APPLICATION DUE TO COMPACTION CAUSED BY PREVIOUS SYSTEM INSTALLATION AND FILL BEING PLACED ABOVE.
 - UNSATURABLE MATERIAL USED TO BACKFILL THE TEST HOLES SHALL BE REMOVED AND REPLACED WITH WITH ASTM C-33 SAND (SEE NOTE 16).
 - ASTM C-33 SAND (SEE NOTE 16) MUST BE PLACED ON SCARIFIED, RELATIVELY DRY NATURAL SOIL. THE CONTRACTOR SHALL PROVIDE FOR DEWATERING AS REQUIRED AND ALL WORK SHALL BE PERFORMED UNDER DRY CONDITIONS.
 - BUILDING SEWER PIPE TO BE 4" P. V. C. SCH. 40 UNLESS OTHERWISE NOTED.
 - PLACE 6" MINIMUM COMPACTED CRUSHED STONE UNDER SEPTIC TANK, ANOXIC TANK, RECIRCULATION TANK, PUMP CHAMBER, ADVANTEK TREATMENT TANKS AND SYSTEM STRUCTURES.
 - INLET AND OUTLET TEES FOR SEPTIC TANK, ANOXIC TANK, RECIRCULATION TANK AND PUMP CHAMBER ARE TO BE LOCATED DIRECTLY BELOW ACCESS COVERS.
 - SEPTIC TANK, ANOXIC TANK, RECIRCULATION TANK, PUMP CHAMBER AND ADVANTEK TREATMENT TANK RISERS/COVERS TO BE AT FINISH GRADE.
 - IF CONDITIONS ENCOUNTERED DURING CONSTRUCTION VARY SUBSTANTIALLY FROM THOSE SHOWN ON THIS PLAN, NOTIFY CAPUTO AND WICK, LTD. BEFORE PROCEEDING WITH CONSTRUCTION. IF IN DOUBT, ASK.
 - NEW SEPTIC TANK SHALL MEET ALL OF THE REQUIREMENTS OF 250-RICR-150-10-6-27.
 - INSPECTION OF THE SEPTIC TANK, ANOXIC TANK, RECIRCULATION TANK, PUMP CHAMBER AND ADVANTEK TREATMENT TANK SHALL BE PART OF THE MAINTENANCE SERVICE FOR THE OWTS AND ALL COMPONENTS SHALL BE CLEANED WHEN REQUIRED.
 - IT IS RECOMMENDED THAT THE SEPTIC TANK BE INSPECTED TWICE A YEAR, AND BE CLEANED WHEN THE SOLIDS EQUAL ONE THIRD THE LIQUID DEPTH.
 - MINIMUM PERIMETER INVERT ELEVATION = 70.25. NO FINISHED GRADE BELOW 70.25 FROM THE EDGE OF THE GRAVEL SAND TREATMENT SYSTEM FOR A 10 FEET MINIMUM.
 - THE SAND MEDIA USED IN CONSTRUCTION SHALL MEET THE ASTM C-33 SPECIFICATIONS. SIEVE ANALYSIS FROM PROPOSED SOURCE IS REQUIRED TO BE SUBMITTED TOGETHER WITH SHOP DRAWINGS. TESTING OF SAND MATERIAL, DELIVERED TO THE SITE IS REQUIRED.
 - OWTS INSTALLER MUST BE FAMILIAR WITH ADVANTEK PRODUCTS AND GRAVEL SAND TREATMENT SYSTEMS PROPOSED FOR THIS SITE. SEE ADVANTEK INSTALLATION MANUAL, GRAVEL SAND TREATMENT SYSTEM DESIGN AND INSTALLATION MANUAL, AND RIDEM GUIDELINES FOR ADDITIONAL DETAILS OF INSTALLATION.
 - INSTALLATION SHALL BE IN STRICT CONFORMANCE WITH THE ORENCO ADVANTEK INSTALLATION MANUAL AND GRAVEL SAND TREATMENT SYSTEM INSTALLATION MANUAL AND ALL OTHER APPLICABLE SECTIONS OF 250-RICR150-6. THE INSTALLATION SHALL ONLY BE PERFORMED BY A RHODE ISLAND DEM LICENSED INSTALLER WHO HAS RECEIVED TRAINING AND IS AUTHORIZED IN WRITING BY THE VENDORS TO INSTALL THE SYSTEM. AUTHORIZATION FROM THE VENDORS SHALL BE SUBMITTED TO ENGINEER PRIOR TO ANY CONSTRUCTION.
 - REFER TO 250-RICR-150-10-6 AND RIDEM GUIDELINES FOR ADDITIONAL INFORMATION CONCERNING THE INSTALLATION, OPERATION AND MAINTENANCE OF THE SYSTEM. THE INSTALLER AND OWNER SHOULD REVIEW AND APPLY 250-RICR-150-10-6 AND RIDEM GUIDELINES. THE SYSTEM TO BE CONSTRUCTED BY AN INSTALLER LICENSED BY RIDEM AND THOROUGHLY FAMILIAR WITH THE INSTALLATION OF ADVANTEK TREATMENT DEVICES AND GRAVEL SAND TREATMENT SYSTEMS.
 - THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH THE DESIGN ENGINEER IN ORDER TO FACILITATE WITNESSING THE REQUIRED PHASES OF THE SYSTEM INSTALLATION AS STATED IN 250-RICR-150-47 OF THE "REGULATIONS". FAILURE OF THE CONTRACTOR TO NOTIFY THE DESIGN ENGINEER IN A TIMELY MANNER MAY REQUIRE THE CONTRACTOR TO EXCAVATE AND EXPOSE SYSTEM COMPONENTS FOR OBSERVATION.
 - THE DESIGNER EXPRESSLY DISCLAIMS ANY RESPONSIBILITY FOR THE INSTALLATION AND MAINTENANCE OF THE SYSTEM. IT SHALL BE THE RESPONSIBILITY OF THE INSTALLER TO CONSTRUCT THE SYSTEM IN ACCORDANCE WITH THE ABOVE REFERENCED REGULATIONS.
 - CONTRACTOR SHALL CONTACT "DIG-SAFE" PRIOR TO CONSTRUCTION. LOCATION OF UTILITIES ON THIS PLAN ARE FROM EXISTING INFORMATION, BUT ARE ONLY TO BE CONSIDERED APPROXIMATE.
 - THERE ARE NO PUBLIC WELLS, EXISTING OR PROPOSED, FOUND TO BE LOCATED WITHIN 500 FEET OF THE PROPOSED OWTS EXCEPT AS SHOWN.
 - NO FRESHWATER WETLANDS OBSERVED WITHIN 200 FEET OF THE PROPOSED OWTS. THIS SITE DOES NOT LIE WITHIN A CRITICAL RESOURCE AREA.
 - I CERTIFY THAT THERE ARE NO WELLS FOUND TO BE LOCATED WITHIN 200 FEET OF THE PROPOSED LEACHING AREA, OTHER THAN AS SHOWN ON THIS PLAN. I ALSO CERTIFY THAT THERE ARE NO EXISTING OR PROPOSED DRAINS, FOUNDATION DRAINS OR SUB DRAINS FOUND TO BE LOCATED WITHIN 25 FEET OF THIS PROPOSED OWTS.
 - ALL PIPE JOINTS, PIPE CONNECTIONS AND ACCESS COVERS ARE TO BE WATER TIGHT.
 - PRESSURE PIPE SHALL BE INSTALLED TO MAINTAIN SLOPE BACK TO TANK/PUMP CHAMBER TO DRAIN BETWEEN PUMPING CYCLES. ELIMINATE ANY HIGH OR LOW POINTS THAT MAY PREVENT DRAINING AND/OR AIR LOCK SET.
 - CONTRACTOR TO PAY ANY REQUIRED INSTALLATION FEES.
 - CONTROL PANEL AND ALARM TO BE MOUNTED INSIDE BUILDING IN A CONSPICUOUS LOCATION, EXACT LOCATION TO BE COORDINATED WITH OWNER. ALL CONTROL PANELS AND JUNCTION BOXES SHALL BE NEMA 4X.
 - THE PUMP DOSING CONTROLS WILL BE FIELD TESTED IN THE PRESENCE OF THE DESIGN ENGINEER AND ORENCO REPRESENTATIVE. ADJUSTMENT TO CONTROLS ARE THE CONTRACTOR'S RESPONSIBILITY. CONTRACTOR MUST MAKE WATER AVAILABLE FOR TESTING OF THE CONTROL FLOATS.
 - ALL TREES AND SHRUBS SHALL BE CLEAR AND NO NEW ONES SHALL BE PLANTED WITHIN 10' OF THE GRAVEL SAND TREATMENT SYSTEM.
 - THE GRAVEL SAND TREATMENT SYSTEM LOCATION SHALL BE STAKED OUT AND PROTECTED PRIOR TO ANY SITE PREPARATION ACTIVITIES.
 - NO IMPERVIOUS SURFACE IS TO BE PLACED ABOVE THE GST (LEACHING) SYSTEM.
 - MATERIAL AND EQUIPMENT FROM ALTERNATE MANUFACTURERS MAY BE USED IF EQUAL. APPROVAL FOR ALTERNATE MATERIAL AND/OR EQUIPMENT IS REQUIRED FROM THE OWNER AND ENGINEER. FULL SPECIFICATIONS FOR ALTERNATE EQUIPMENT MUST BE PROVIDED BY THE CONTRACTOR. IF ACCEPTABLE, THE CONTRACTOR MUST PREPARE AND SUBMIT FOR AN RIDEM OWTS CONSTRUCTION PERMIT BASED UPON THE REDESIGN.



BENCH MARK
TOP OF MAG NAIL
ELEV. = 61.17
MAG NAIL SET
N: 106936.31
E: 275737.88

BENCH MARK
TOP OF MAG NAIL
ELEV. = 71.17
MAG NAIL SET
N: 106890.61
E: 275587.38

CERTIFICATION:
THIS SURVEY HAS BEEN CONDUCTED AND THE PLAN HAS BEEN PREPARED PURSUANT TO SECTION 8 OF THE RULES AND REGULATIONS ADOPTED BY THE RHODE ISLAND STATE BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS ON NOVEMBER 25, 2015, AS FOLLOWS:
TYPE OF BOUNDARY SURVEY: LIMITED CONTENT BOUNDARY SURVEY
MEASUREMENT SPECIFICATION: NOT A BOUNDARY SURVEY
OTHER TYPE OF SURVEY: DATA ACQUISITION SURVEY (LOCATIONS)
CLASS II: T2 (IMMEDIATE AREA AROUND BATHHOUSE AND OWTS)
TOPOGRAPHIC SURVEY ACCURACY:
THE PURPOSE OF THIS SURVEY IS TO DEPICT THE EXISTING CONDITIONS IN THE PROJECT AREA FOR CONSTRUCTION AND THE DESIGN OF A NEW ONSITE WASTEWATER TREATMENT SYSTEM.
David T. Bray 8/10/2022
DAVID T. BRAY PLS NO. 1989
CAPUTO AND WICK LTD., COA NO. A177



LEGEND

--- 100 ---	EXISTING CONTOUR	+ 100.00	FINISHED SPOT GRADE
--- 100 ---	PROPOSED CONTOUR	+ 100.00	EXISTING SPOT GRADE
RI. STD.	RHODE ISLAND STANDARD		SPLIT RAIL FENCE
INV.	INVERT OF PIPE		DEEP OBSERVATION HOLE
P. V. C.	POLYVINYL CHLORIDE PIPE		OUT CROP OR SURFACE ROCK
S. D. R.	STANDARD DIMENSION RATIO		EXIST. UNDERGROUND ELECTRIC
CONC.	CONCRETE		EXIST. WATER
BIT.	BITUMINOUS		EXIST. UNDERGROUND TELEPHONE
TYP.	TYPICAL		FINISH GRADE SURFACE FLOW DIRECTION

CAPUTO AND WICK LTD. - 1150 PAWTUCKET AVENUE - RUMFORD R.I. 02916

BURLINGAME STATE PARK AND CAMPGROUND

STATE OF RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
DIVISION OF PLANNING AND DEVELOPMENT

DEMOLITION AND REBUILD OF BATHHOUSES
BURLINGAME STATE PARK AND CAMPGROUND
CHARLESTOWN, RHODE ISLAND

MAIN CAMP BATHHOUSE - SITE PLAN

Dwg: _____ Scale: 1" = 20'
Contract No. x _____ Date: OCTOBER 6, 2023

C-1.5
13 OF 106

TH-6A - GROUND ELEV. 74.1 - AUGUST 18, 2021

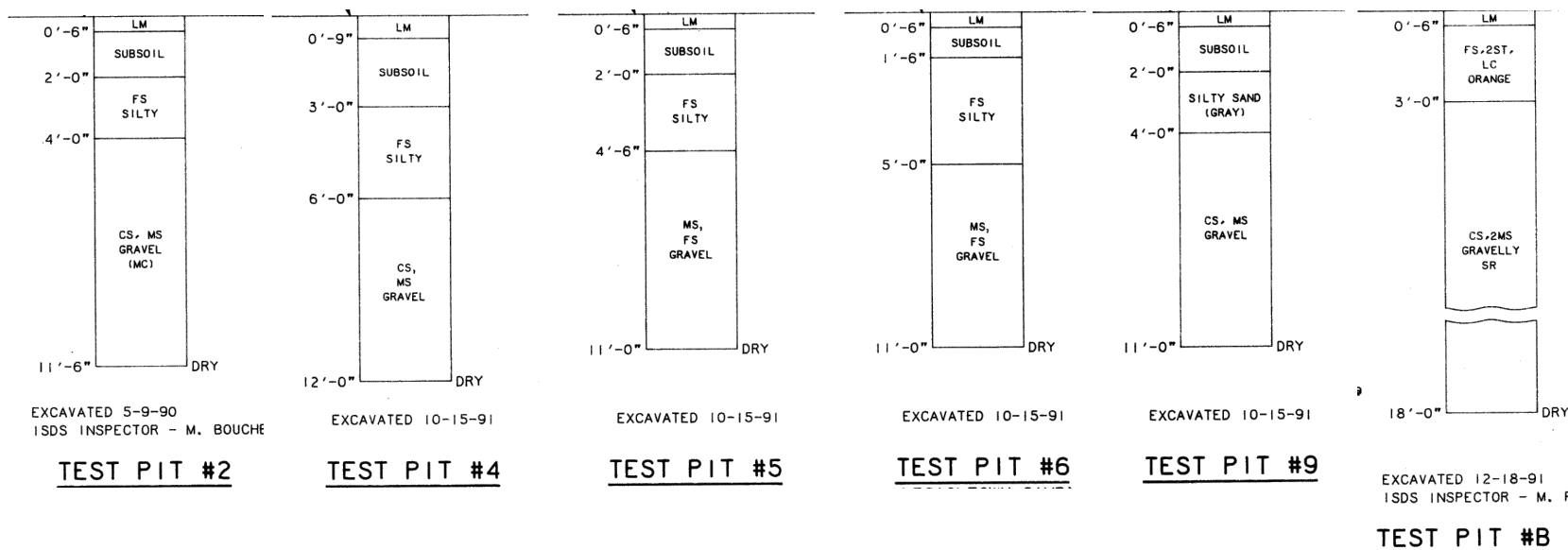
HORIZON	DEPTH	DIST	TOPO	MATRIX	RE-OX FEATURES	Ab. S. CONTR.	TEXTURE	STRUCTURE	CONSISTENCE	SOIL CATEGORY
Ap	0 - 9"	C	S	2.5YR 6/3		Ls	2ghd	Wfr	3	
Bw	9" - 25"	C	W	10YR 5/6		Ls	2ghd	Fr	3	
C1	25" - 40"	C	S	2.5YR 7/3		Ls	2ghd	Fr	3	
C2	40" - 120"	C	S	2.5YR 7/3	5YR 4/4	M M P	Ls	2ghd	Fr	3

SOIL CLASS: B OBSERVED STANDING GROUNDWATER - NA
ESTIMATED SEASONAL HIGH WATER TABLE - 40" (ELEV. 76.8)

TH-6B - GROUND ELEV. 70.5 - AUGUST 18, 2021

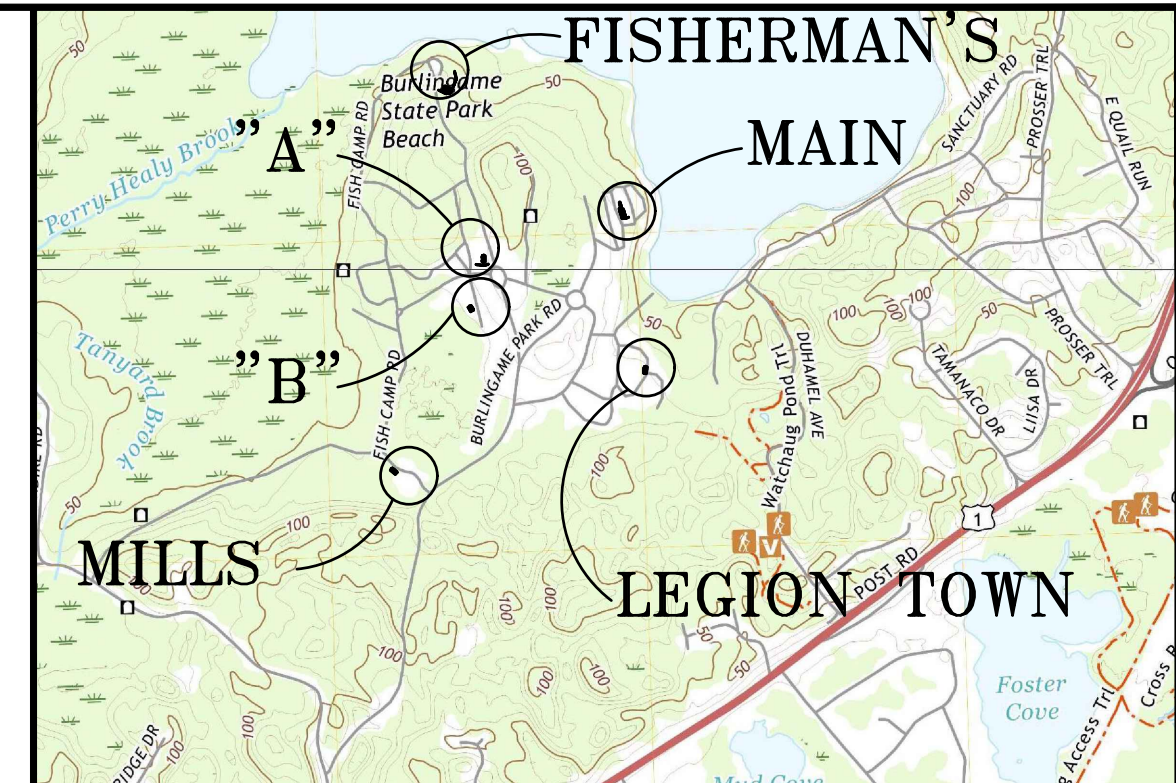
HORIZON	DEPTH	DIST	TOPO	MATRIX	RE-OX FEATURES	Ab. S. CONTR.	TEXTURE	STRUCTURE	CONSISTENCE	SOIL CATEGORY
Ap	0 - 16"	C	S	2.5YR 6/3		Ls	2ghd	Wfr	3	
Bw	16" - 36"	C	W	10YR 5/6		Ls	2ghd	Fr	3	
C1	36" - 42"	C	S	2.5YR 7/3		Ls	2ghd	Fr	3	
C2	42" - 120"	C	S	2.5YR 7/3	5YR 4/4	M M P	Ls	2ghd	Fr	3

SOIL CLASS: B OBSERVED STANDING GROUNDWATER - NA
ESTIMATED SEASONAL HIGH WATER TABLE - 42" (ELEV. 67.0)



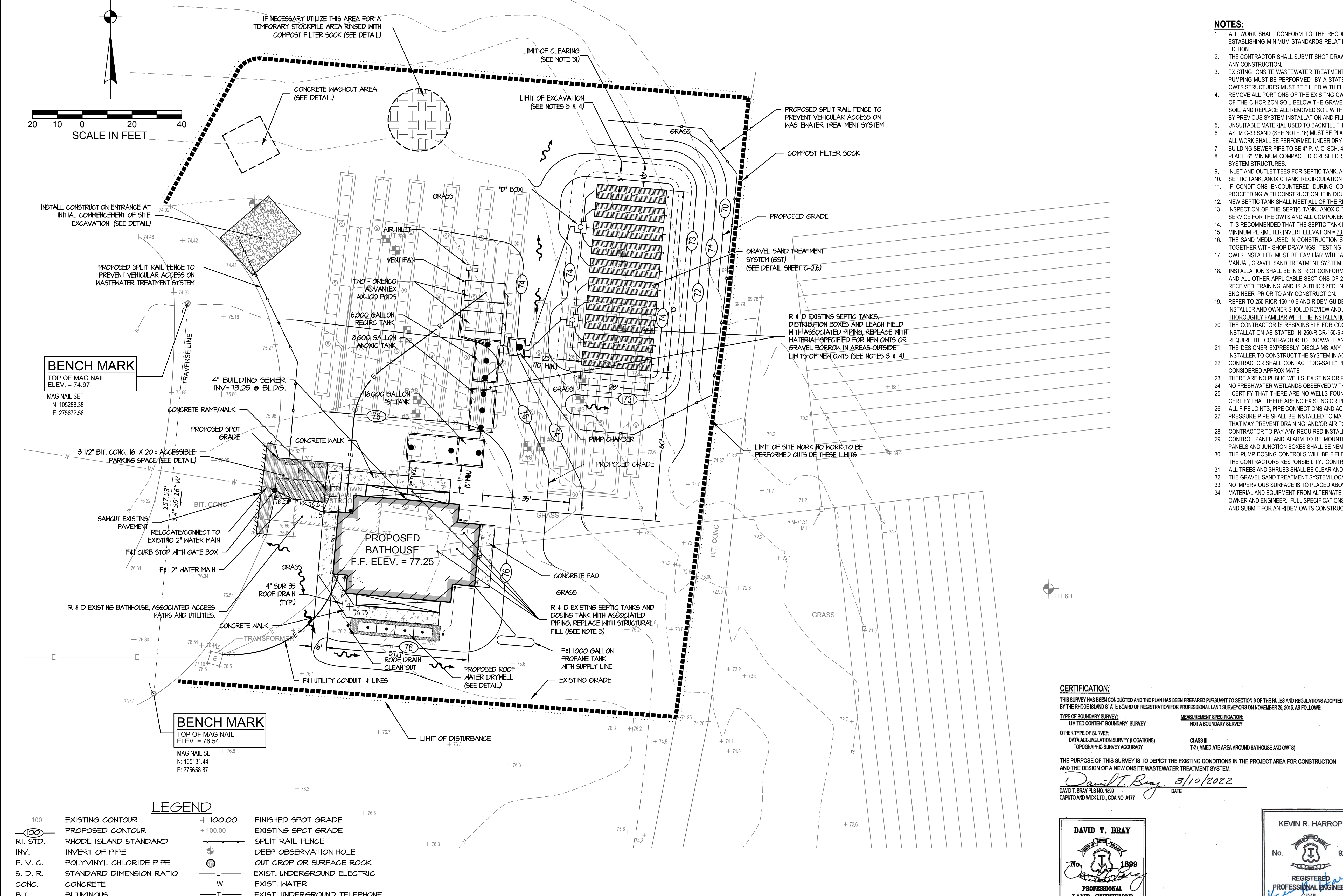
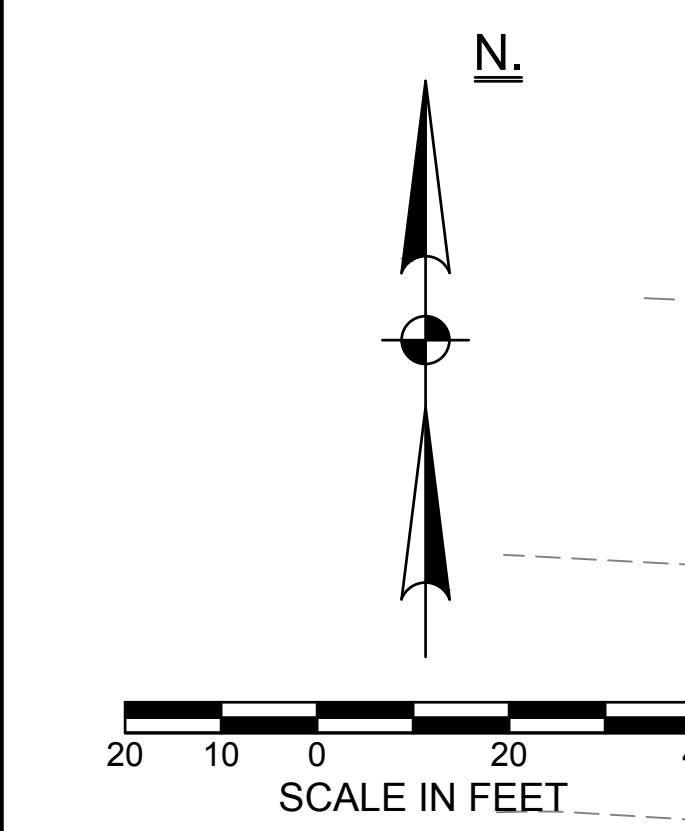
TEST PIT #2 TEST PIT #4 TEST PIT #5 TEST PIT #6 TEST PIT #9

TEST PIT #8 & C



LOCUS MAP

- NOTES:
- ALL WORK SHALL CONFORM TO THE RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT, OFFICE OF WATER RESOURCES "RULES AND REGULATIONS ESTABLISHING MINIMUM STANDARDS RELATING TO LOCATION, DESIGN, CONSTRUCTION AND MAINTENANCE OF ON-SITE WASTEWATER TREATMENT SYSTEMS", LATEST EDITION.
 - THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO CAPUTO AND WICK LTD. FOR APPROVAL OF ALL PROPOSED CONSTRUCTION MATERIALS AND EQUIPMENT PRIOR TO ANY CONSTRUCTION.
 - EXISTING ON-SITE WASTEWATER TREATMENT SYSTEM (OWTS) PRECAST STRUCTURES ARE TO BE PUMPED OUT, RINSED WITH CLEAN WATER AND PUMPED OUT AGAIN. PUMPING MUST BE PERFORMED BY A STATE LICENSED SEPTIC HAULER AND THE CONTENTS OF THE TANK DISPOSED OF PROPERLY. AFTER PUMPING, THE EXISTING OWTS STRUCTURES MUST BE FILLED WITH FLOWABLE FILL OR REMOVED AND REPLACED WITH GRAVEL BORROW AND 4" LOAM AND SEED.
 - REMOVE ALL PORTIONS OF THE EXISTING OWTS WITHIN 5' OF THE GRAVEL SAND TREATMENT SYSTEM, AND ALL FILL, A HORIZON SOIL, B HORIZON SOIL AND SCARIFY 3" OF THE C HORIZON SOIL BELOW THE GRAVEL SAND TREATMENT SYSTEM AND THOROUGHLY MIX WITH ASTM C-33 SAND (SEE NOTE 16) TO INTERFACE THE FILL WITH THE SOIL, AND REPLACE ALL REMOVED SOIL WITH ASTM C-33 SAND. A AND B SOIL HORIZON LAYERS ARE TO BE REMOVED IN THIS APPLICATION DUE TO COMPACTION CAUSED BY PREVIOUS SYSTEM INSTALLATION AND FILL BEING PLACED ABOVE.
 - UNSATURABLE MATERIAL USED TO BACKFILL THE TEST HOLES SHALL BE REMOVED AND REPLACED WITH WITH ASTM C-33 SAND (SEE NOTE 16).
 - ASTM C-33 SAND (SEE NOTE 16) MUST BE PLACED ON SCARIFIED, RELATIVELY DRY NATURAL SOIL. THE CONTRACTOR SHALL PROVIDE FOR DEWATERING AS REQUIRED AND ALL WORK SHALL BE PERFORMED UNDER DRY CONDITIONS.
 - BUILDING SEWER PIPE TO BE 4" P. V. C. SCH. 40 UNLESS OTHERWISE NOTED.
 - PLACE 6" MINIMUM COMPACTED CRUSHED STONE UNDER SEPTIC TANK, ANOXIC TANK, RECIRCULATION TANK, PUMP CHAMBER, ADVANTEX TREATMENT TANKS AND SYSTEM STRUCTURES.
 - INLET AND OUTLET TEES FOR SEPTIC TANK, ANOXIC TANK, RECIRCULATION TANK AND PUMP CHAMBER ARE TO BE LOCATED DIRECTLY BELOW ACCESS COVERS.
 - SEPTIC TANK, ANOXIC TANK, RECIRCULATION TANK, PUMP CHAMBER AND ADVANTEX TREATMENT TANK RISERS/COVERS TO BE AT FINISH GRADE.
 - IF CONDITIONS ENCOUNTERED DURING CONSTRUCTION VARY SUBSTANTIALLY FROM THOSE SHOWN ON THIS PLAN, NOTIFY CAPUTO AND WICK, LTD. BEFORE PROCEEDING WITH CONSTRUCTION, IF IN DOUBT, ASK.
 - NEW SEPTIC TANK SHALL MEET ALL OF THE REQUIREMENTS OF 250-RICR-150-10-6-27.
 - INSPECTION OF THE SEPTIC TANK, ANOXIC TANK, RECIRCULATION TANK, PUMP CHAMBER AND ADVANTEX TREATMENT TANK SHALL BE PART OF THE MAINTENANCE SERVICE FOR THE OWTS AND ALL COMPONENTS SHALL BE CLEANED WHEN REQUIRED.
 - IT IS RECOMMENDED THAT THE SEPTIC TANK BE INSPECTED TWICE A YEAR, AND BE CLEANED WHEN THE SOLIDS EQUAL ONE THIRD THE LIQUID DEPTH.
 - MINIMUM PERIMETER INVERT ELEVATION = 73.00. NO FINISHED GRADE BELOW 73.00 FROM THE EDGE OF THE GRAVEL SAND TREATMENT SYSTEM FOR A 10 FEET MINIMUM.
 - THE SAND MEDIA USED IN CONSTRUCTION SHALL MEET THE ASTM C-33 SPECIFICATIONS. SIEVE ANALYSIS FROM PROPOSED SOURCE IS REQUIRED TO BE SUBMITTED TOGETHER WITH SHOP DRAWINGS. TESTING OF SAND MATERIAL, DELIVERED TO THE SITE IS REQUIRED.
 - OWTS INSTALLER MUST BE FAMILIAR WITH ADVANTEX PRODUCTS AND GRAVEL SAND TREATMENT SYSTEMS PROPOSED FOR THIS SITE. SEE ADVANTEX INSTALLATION MANUAL, GRAVEL SAND TREATMENT SYSTEM DESIGN AND INSTALLATION MANUAL, AND RIDEM GUIDELINES FOR ADDITIONAL DETAILS OF INSTALLATION.
 - INSTALLATION SHALL BE IN STRICT CONFORMANCE WITH THE ORENCO ADVANTEX INSTALLATION MANUAL AND GRAVEL SAND TREATMENT SYSTEM INSTALLATION MANUAL AND ALL OTHER APPLICABLE SECTIONS OF 250-RICR150-6. THE INSTALLATION SHALL ONLY BE PERFORMED BY A RHODE ISLAND DEM LICENSED INSTALLER WHO HAS RECEIVED TRAINING AND IS AUTHORIZED IN WRITING BY THE VENDORS TO INSTALL THE SYSTEM. AUTHORIZATION FROM THE VENDORS SHALL BE SUBMITTED TO ENGINEER PRIOR TO ANY CONSTRUCTION.
 - REFER TO 250-RICR-150-10-6 AND RIDEM GUIDELINES FOR ADDITIONAL INFORMATION CONCERNING THE INSTALLATION, OPERATION AND MAINTENANCE OF THE SYSTEM. THE INSTALLER AND OWNER SHOULD REVIEW AND APPLY 250-RICR-150-10-6 AND RIDEM GUIDELINES. THE SYSTEM TO BE CONSTRUCTED BY AN INSTALLER LICENSED BY RIDEM AND THOROUGHLY FAMILIAR WITH THE INSTALLATION OF ADVANTEX TREATMENT DEVICES AND GRAVEL SAND TREATMENT SYSTEMS.
 - THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH THE DESIGN ENGINEER IN ORDER TO FACILITATE WITNESSING THE REQUIRED PHASES OF THE SYSTEM INSTALLATION AS STATED IN 250-RICR-150-4-7 OF THE "REGULATIONS". FAILURE OF THE CONTRACTOR TO NOTIFY THE DESIGN ENGINEER IN A TIMELY MANNER MAY REQUIRE THE CONTRACTOR TO EXCAVATE AND EXPOSE SYSTEM COMPONENTS FOR OBSERVATION.
 - THE DESIGNER EXPRESSLY DISCLAIMS ANY RESPONSIBILITY FOR THE INSTALLATION AND MAINTENANCE OF THE SYSTEM. IT SHALL BE THE RESPONSIBILITY OF THE INSTALLER TO CONSTRUCT THE SYSTEM IN ACCORDANCE WITH THE ABOVE REFERENCED REGULATIONS.
 - CONTRACTOR SHALL CONTACT "DIG-SAFE" PRIOR TO CONSTRUCTION. LOCATION OF UTILITIES ON THIS PLAN ARE FROM EXISTING INFORMATION, BUT ARE ONLY TO BE CONSIDERED APPROXIMATE.
 - THERE ARE NO PUBLIC WELLS, EXISTING OR PROPOSED, FOUND TO BE LOCATED WITHIN 500 FEET OF THE PROPOSED OWTS EXCEPT AS SHOWN.
 - NO FRESHWATER WETLANDS OBSERVED WITHIN 200 FEET OF THE PROPOSED OWTS. THIS SITE DOES NOT LIE WITHIN A CRITICAL RESOURCE AREA.
 - I CERTIFY THAT THERE ARE NO WELLS FOUND TO BE LOCATED WITHIN 200 FEET OF THE PROPOSED LEACHING AREA, OTHER THAN AS SHOWN ON THIS PLAN. I ALSO CERTIFY THAT THERE ARE NO EXISTING OR PROPOSED DRAINS, FOUNDATION DRAINS OR SUB DRAINS FOUND TO BE LOCATED WITHIN 25 FEET OF THIS PROPOSED OWTS.
 - ALL PIPE JOINTS, PIPE CONNECTIONS AND ACCESS COVERS ARE TO BE WATERTIGHT.
 - PRESSURE PIPE SHALL BE INSTALLED TO MAINTAIN SLOPE BACK TO TANK/PUMP CHAMBER TO DRAIN BETWEEN PUMPING CYCLES. ELIMINATE ANY HIGH OR LOW POINTS THAT MAY PREVENT DRAINING AND AIR LOCKS.
 - CONTRACTOR TO PAY ANY REQUIRED INSTALLATION FEES.
 - CONTROL PANEL AND ALARM TO BE MOUNTED INSIDE BUILDING IN A CONSPICUOUS LOCATION, EXACT LOCATION TO BE COORDINATED WITH OWNER. ALL CONTROL PANELS AND JUNCTION BOXES SHALL BE NEMA 4X.
 - THE PUMP DOSING CONTROLS WILL BE FIELD TESTED IN THE PRESENCE OF THE DESIGN ENGINEER AND ORENCO REPRESENTATIVE. ADJUSTMENT TO CONTROLS ARE THE CONTRACTOR'S RESPONSIBILITY. CONTRACTOR MUST MAKE WATER AVAILABLE FOR TESTING OF THE CONTROL FLOATS.
 - ALL TREES AND SHRUBS SHALL BE CLEAR AND NO NEW ONES SHALL BE PLANTED WITHIN 10' OF THE GRAVEL SAND TREATMENT SYSTEM.
 - THE GRAVEL SAND TREATMENT SYSTEM LOCATION SHALL BE STAKED OUT AND PROTECTED PRIOR TO ANY SITE PREPARATION ACTIVITIES.
 - NO IMPERVIOUS SURFACE IS TO BE PLACED ABOVE THE GST (LEACHING) SYSTEM.
 - MATERIAL AND EQUIPMENT FROM ALTERNATE MANUFACTURERS MAY BE USED IF EQUAL. APPROVAL FOR ALTERNATE MATERIAL AND/OR EQUIPMENT IS REQUIRED FROM THE OWNER AND ENGINEER. FULL SPECIFICATIONS FOR ALTERNATE EQUIPMENT MUST BE PROVIDED BY THE CONTRACTOR. IF ACCEPTABLE, THE CONTRACTOR MUST PREPARE AND SUBMIT FOR AN RIDEM OWTS CONSTRUCTION PERMIT BASED UPON THE REDESIGN.



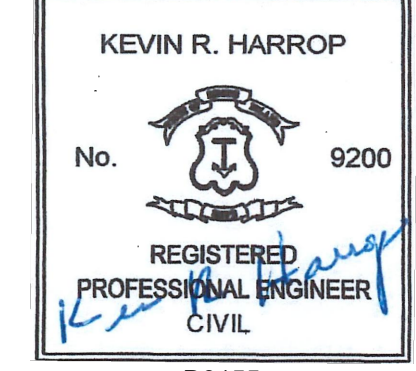
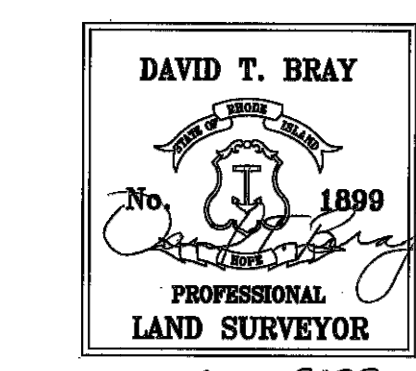
J:\Rhode\Rhode\Charleston\RIDEM - Burlingame\009 - 025 - and S-c Site Designing

LEGEND

— 100 —	EXISTING CONTOUR	+ 100.00	FINISHED SPOT GRADE
— 100.00 —	PROPOSED CONTOUR	+ 100.00	EXISTING SPOT GRADE
RI, STD.	RHODE ISLAND STANDARD		SPLIT RAIL FENCE
INV.	INVERT OF PIPE		DEEP OBSERVATION HOLE
P. V. C.	POLYVINYL CHLORIDE PIPE		OUT CROP OR SURFACE ROCK
S. D. R.	STANDARD DIMENSION RATIO		EXIST. UNDERGROUND ELECTRIC
CONC.	CONCRETE		EXIST. WATER
BIT.	BITUMINOUS		EXIST. UNDERGROUND TELEPHONE
TYP.	TYPICAL		FINISH GRADE SURFACE FLOW DIRECTION

CAPUTO AND WICK LTD. - 1150 PAWTUCKET AVENUE - RUMFORD R.I. 02916

CERTIFICATION:
THIS SURVEY HAS BEEN CONDUCTED AND THE PLAN HAS BEEN PREPARED PURSUANT TO SECTION 8 OF THE RULES AND REGULATIONS ADOPTED BY THE RHODE ISLAND STATE BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS ON NOVEMBER 25, 2015, AS FOLLOWS:
TYPE OF BOUNDARY SURVEY: LIMITED CONTENT BOUNDARY SURVEY
MEASUREMENT SPECIFICATION: NOT A BOUNDARY SURVEY
DATE OF SURVEY: 8/10/2022
CLASS II
TOPOGRAPHIC SURVEY ACCURACY: T2 (IMMEDIATE AREA AROUND BATHHOUSE AND OWTS)
THE PURPOSE OF THIS SURVEY IS TO DEPICT THE EXISTING CONDITIONS IN THE PROJECT AREA FOR CONSTRUCTION AND THE DESIGN OF A NEW ON-SITE WASTEWATER TREATMENT SYSTEM.
David T. Bray 8/10/2022
DAVID T. BRAY PLS NO. 1989
CAPUTO AND WICK LTD., COA NO. A177



STATE OF RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
DIVISION OF PLANNING AND DEVELOPMENT

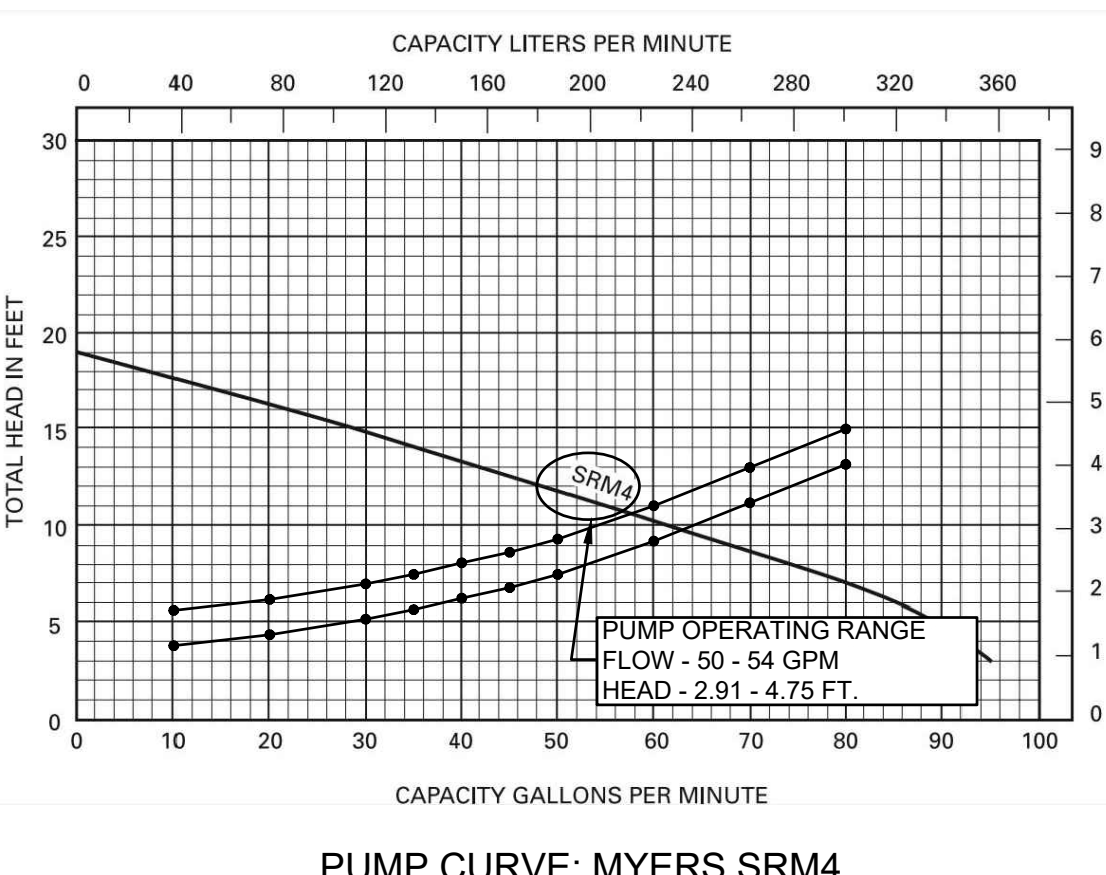
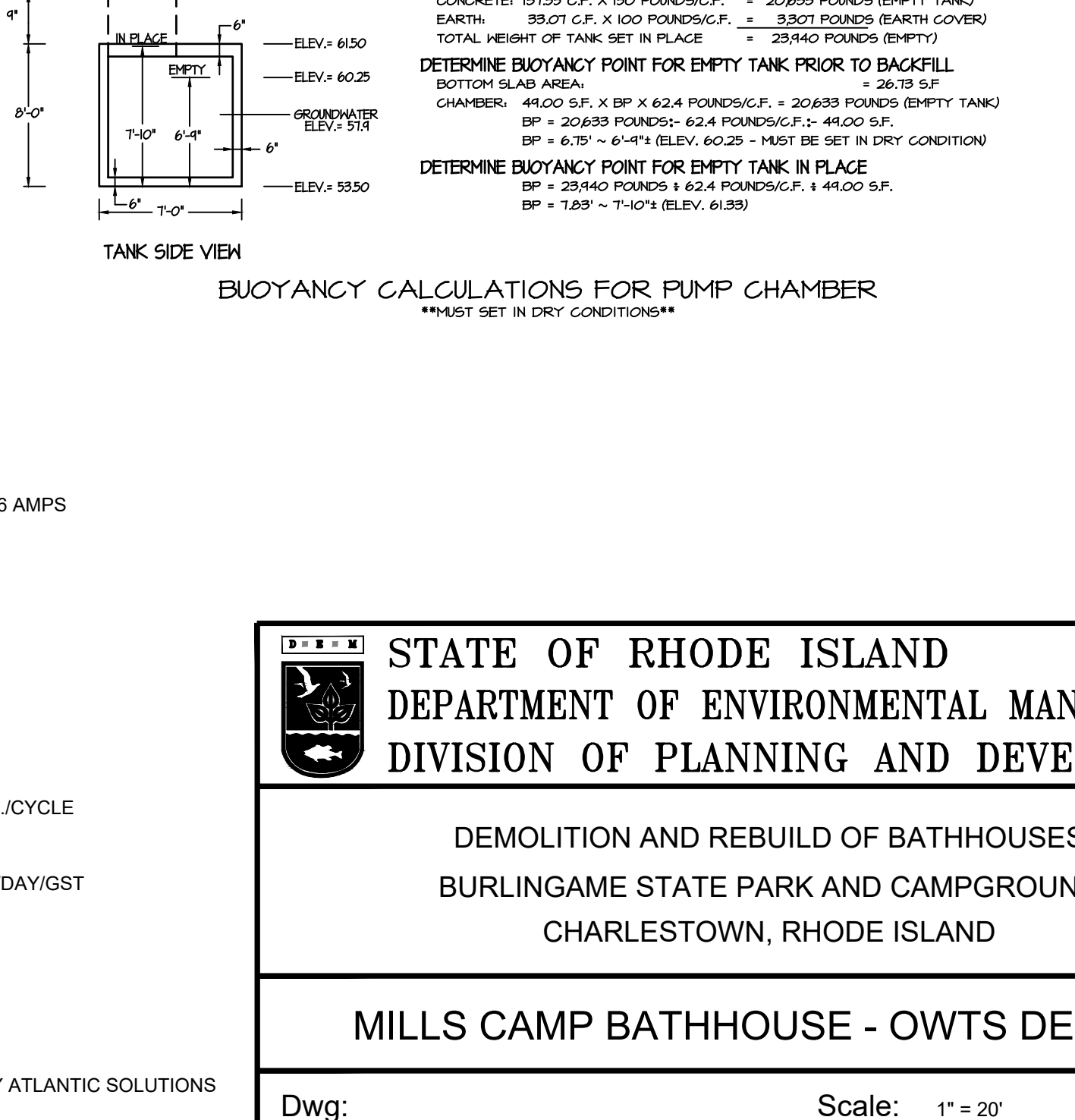
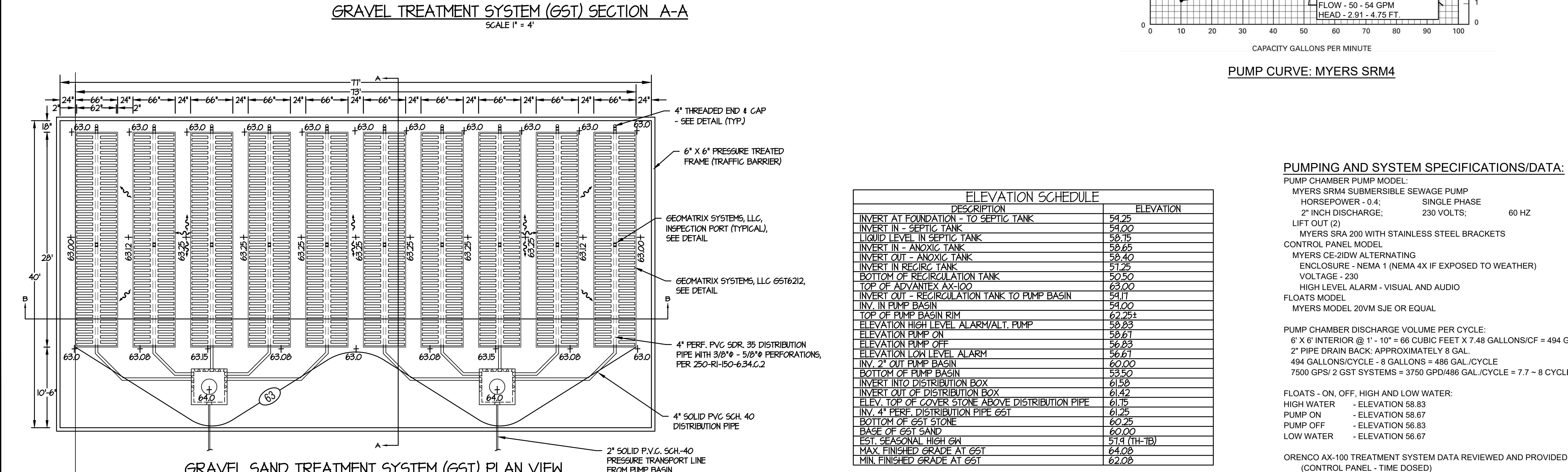
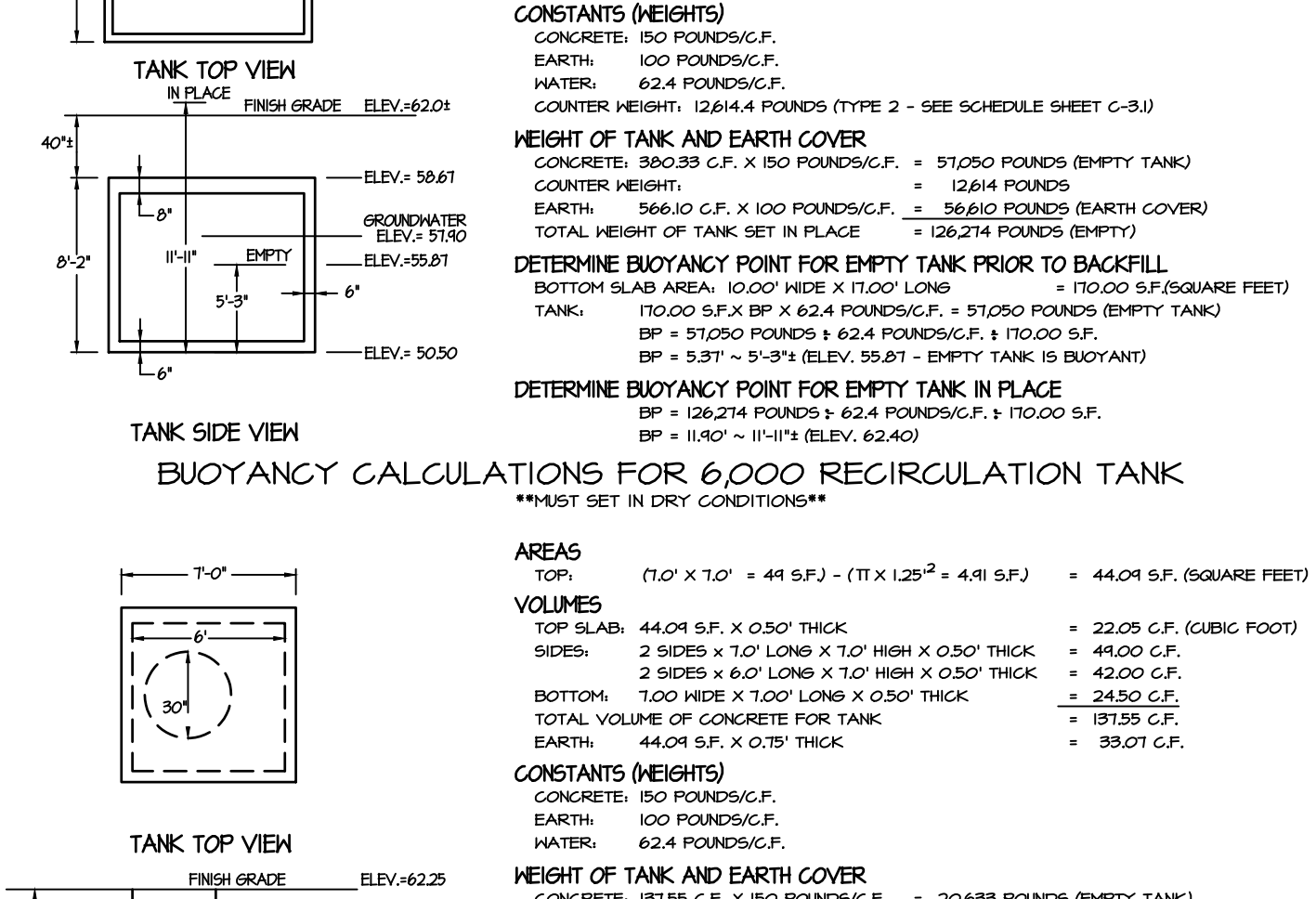
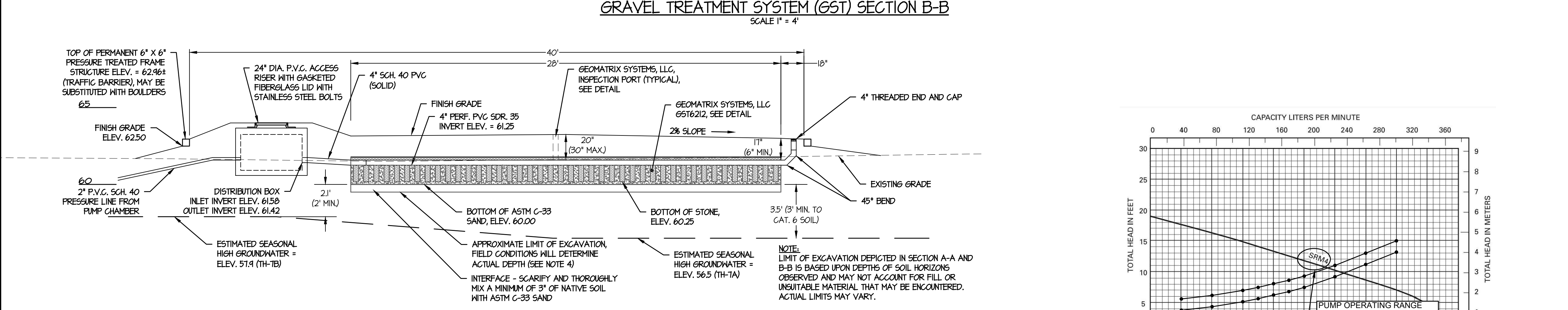
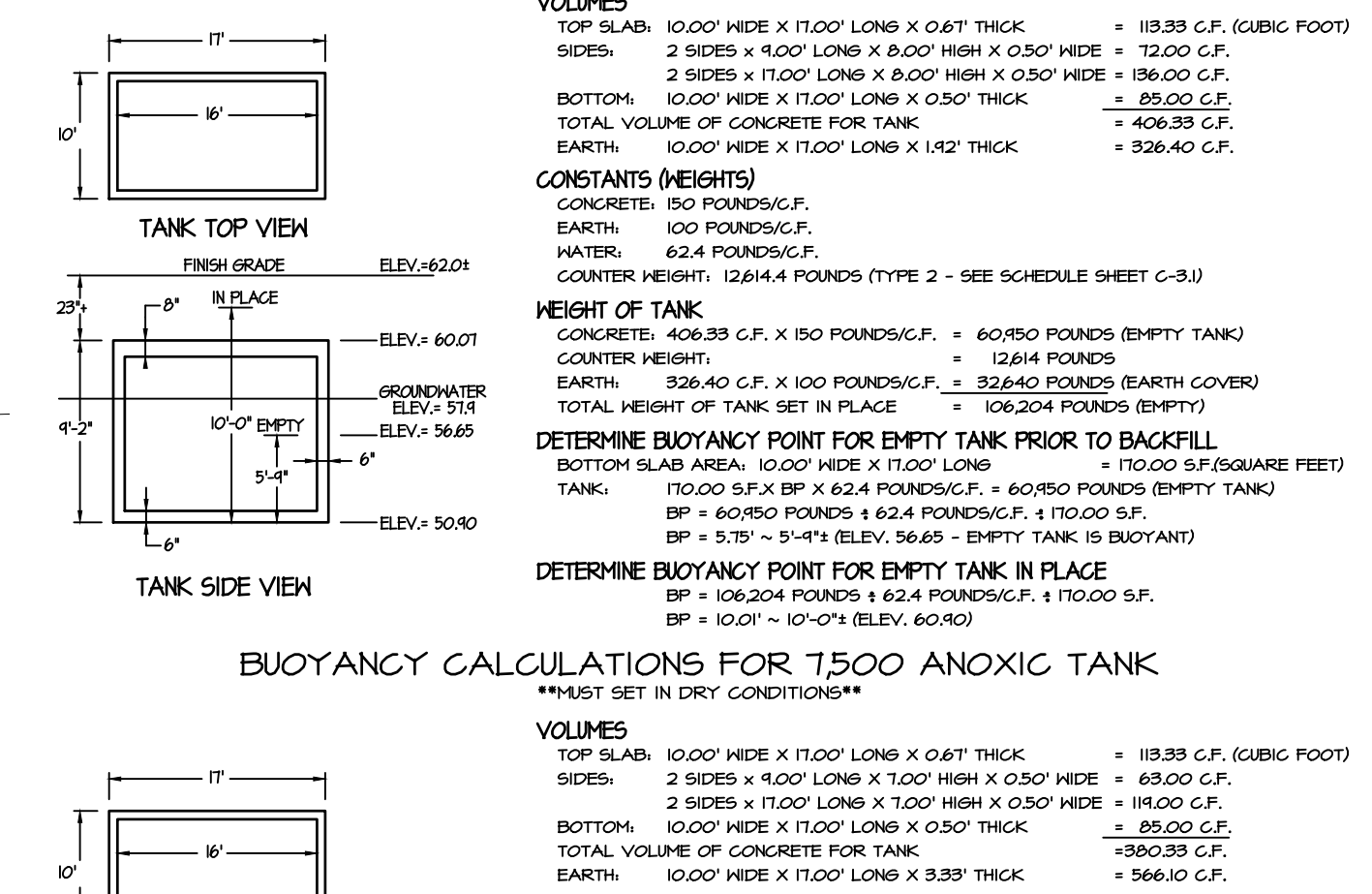
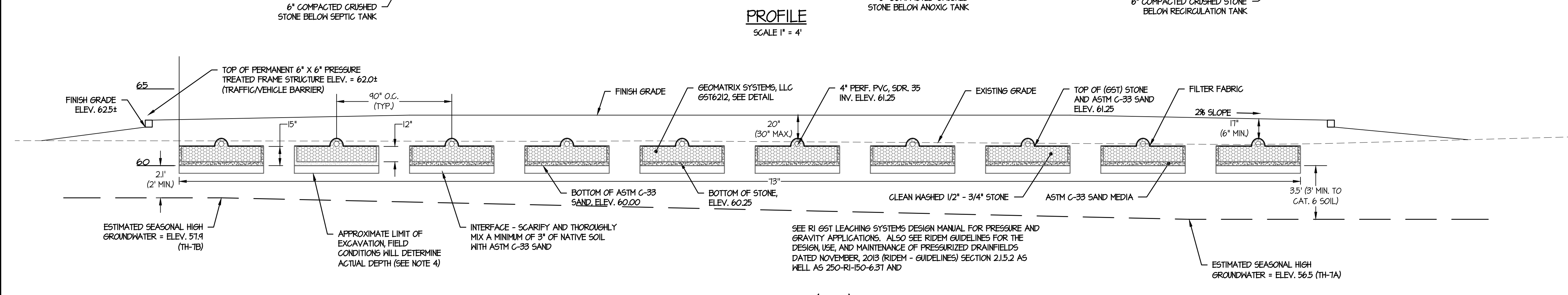
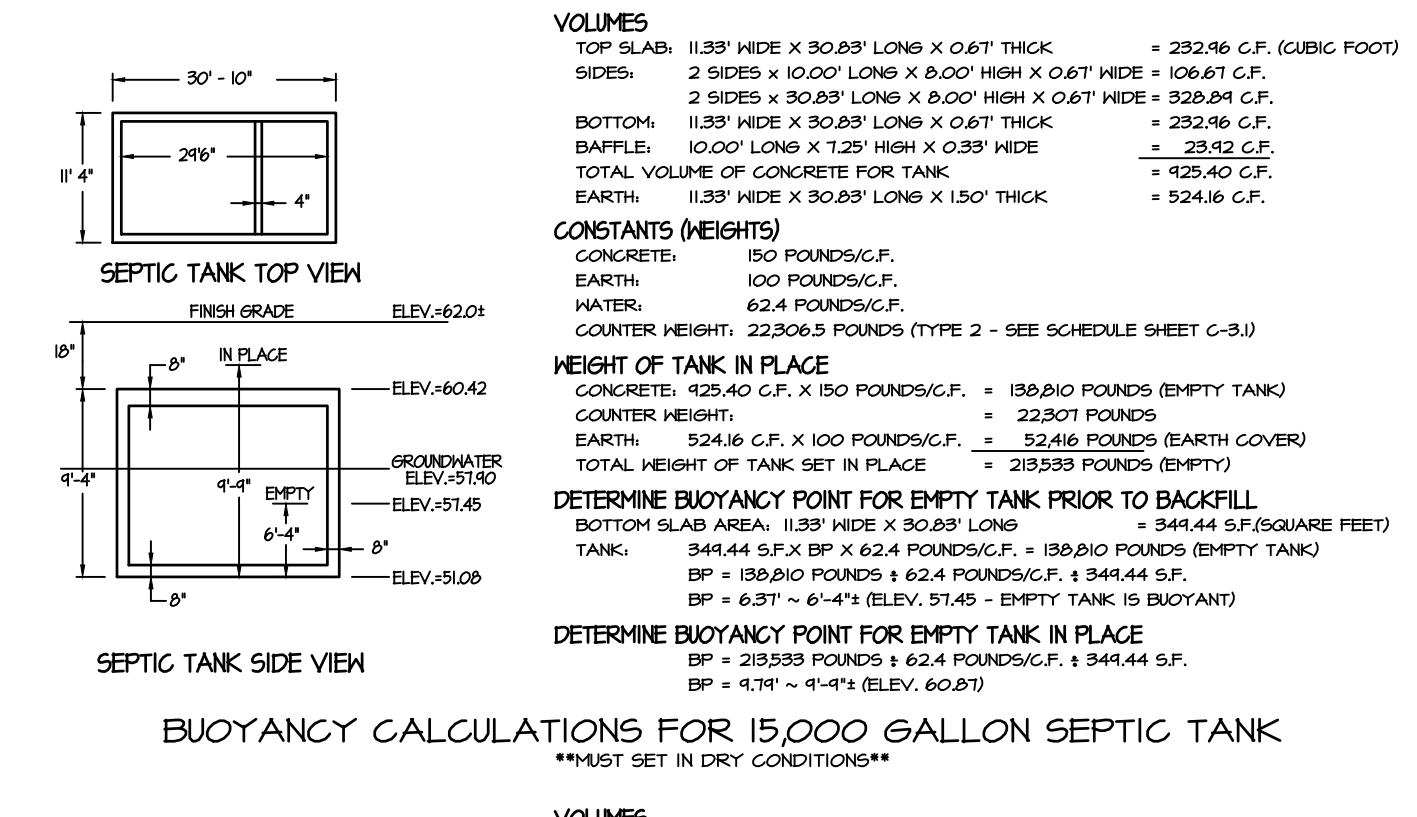
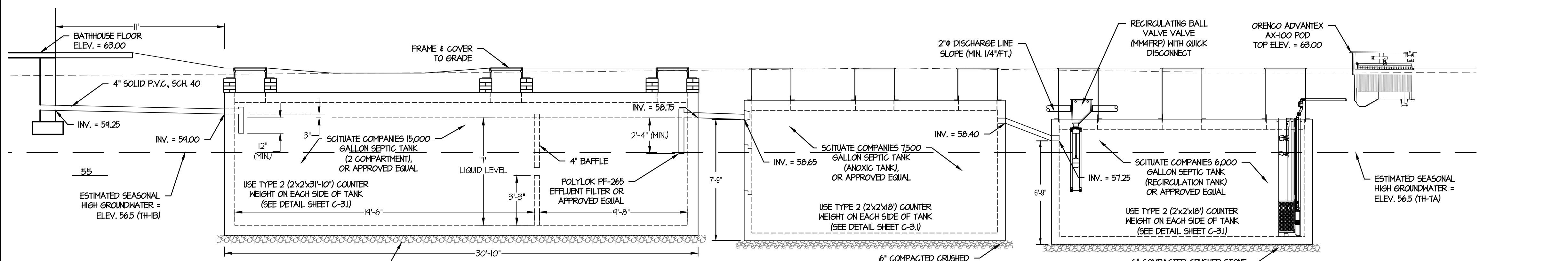
DEMOLITION AND REBUILD OF BATHHOUSES
BURLINGAME STATE PARK AND CAMPGROUND
CHARLESTOWN, RHODE ISLAND

LEGIONTOWN CAMP BATHHOUSE - SITE PLAN

Dwg: Scale: 1" = 20'
Contract No. x Date: OCTOBER 6, 2023 C-1.6
14 OF 106

BURLINGAME STATE PARK AND CAMPGROUND

OCTOBER 6, 2023



PUMPING AND SYSTEM SPECIFICATIONS/DATA:
 PUMP CHAMBER PUMP MODEL:
 MYERS SRM4 SUBMERSIBLE SEWAGE PUMP
 HORSEPOWER - 0.4; SINGLE PHASE
 2" INCH DISCHARGE; 230 VOLTS; 60 HZ 6 AMPS
 LIFT OUT (2)
 MYERS SRA 200 WITH STAINLESS STEEL BRACKETS
 CONTROL PANEL MODEL
 MYERS GE-210W ALTERNATING
 ENCLOSURE - NEMA 1 (NEMA 4X IF EXPOSED TO WEATHER)
 VOLTAGE - 230
 HIGH LEVEL ALARM - VISUAL AND AUDIO
 FLOATS MODEL
 MYERS MODEL 20VM SJE OR EQUAL

DESCRIPTION	ELEVATION
INVERT AT FOUNDATION - TO SEPTIC TANK	54.25
INVERT IN - SEPTIC TANK	54.00
LIQUID LEVEL IN SEPTIC TANK	58.15
INVERT IN - ANOXIC TANK	58.65
INVERT OUT - ANOXIC TANK	58.40
INVERT IN RECIRC TANK	51.25
BOTTOM OF RECIRCULATION TANK	50.50
TOP OF ADVANTEK AX-100	63.00
INVERT OUT - RECIRCULATION TANK TO PUMP BASIN	54.11
INV. IN PUMP BASIN	54.00
TOP OF PUMP BASIN RIM	62.25
ELEVATION HIGH LEVEL ALARM/ALT. PUMP	58.83
ELEVATION PUMP ON	58.61
ELEVATION PUMP OFF	56.83
ELEVATION LOW LEVEL ALARM	56.61
INV. 2" OUT PUMP BASIN	60.00
BOTTOM OF PUMP BASIN	53.50
INVERT INTO DISTRIBUTION BOX	61.50
INVERT OUT OF DISTRIBUTION BOX	61.42
ELEV. TOP OF COVER STONE ABOVE DISTRIBUTION PIPE	61.15
INV. 4" PERF. DISTRIBUTION PIPE GST	61.25
BOTTOM OF GST STONE	60.25
BASE OF GST SAND	60.00
EST. SEASONAL HIGH GW	51.4 (TH-TB)
MAX FINISHED GRADE AT GST	64.00
MIN FINISHED GRADE AT GST	62.00

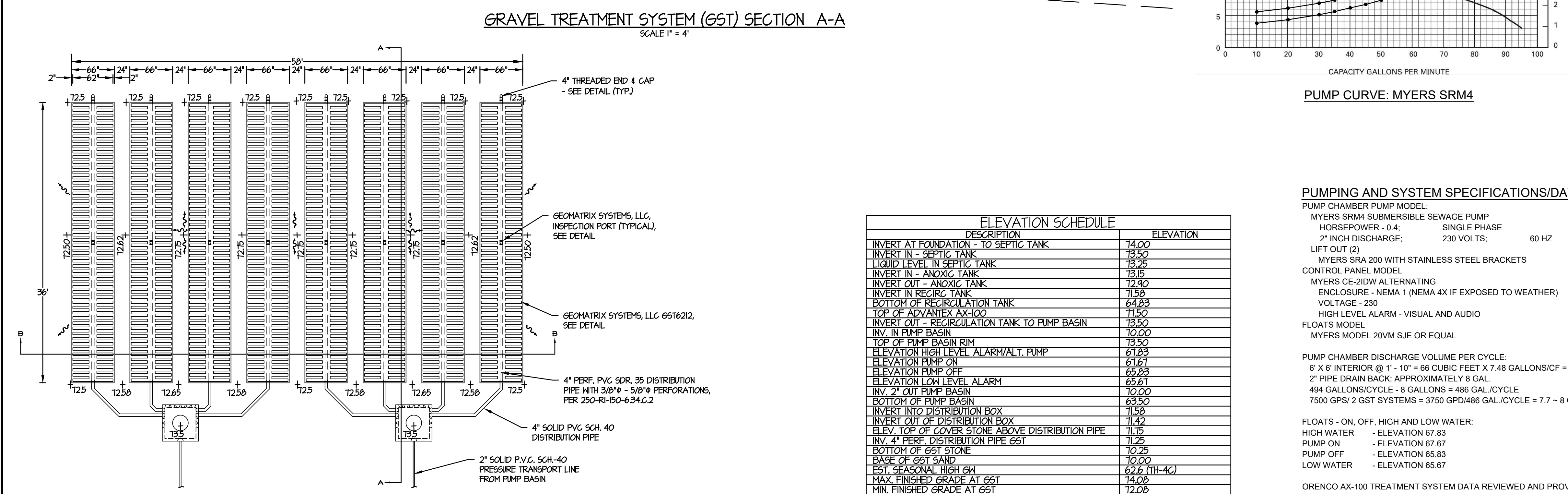
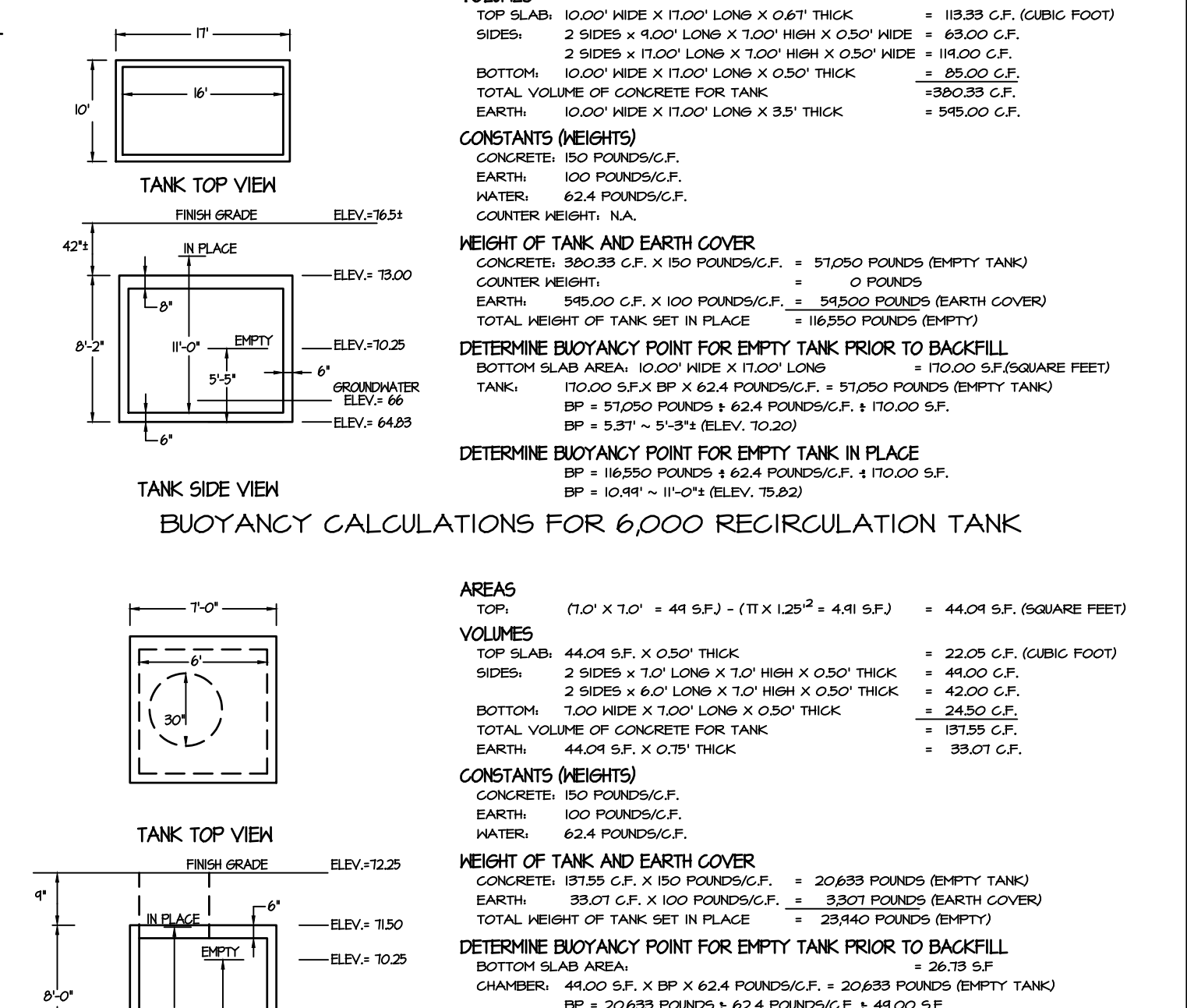
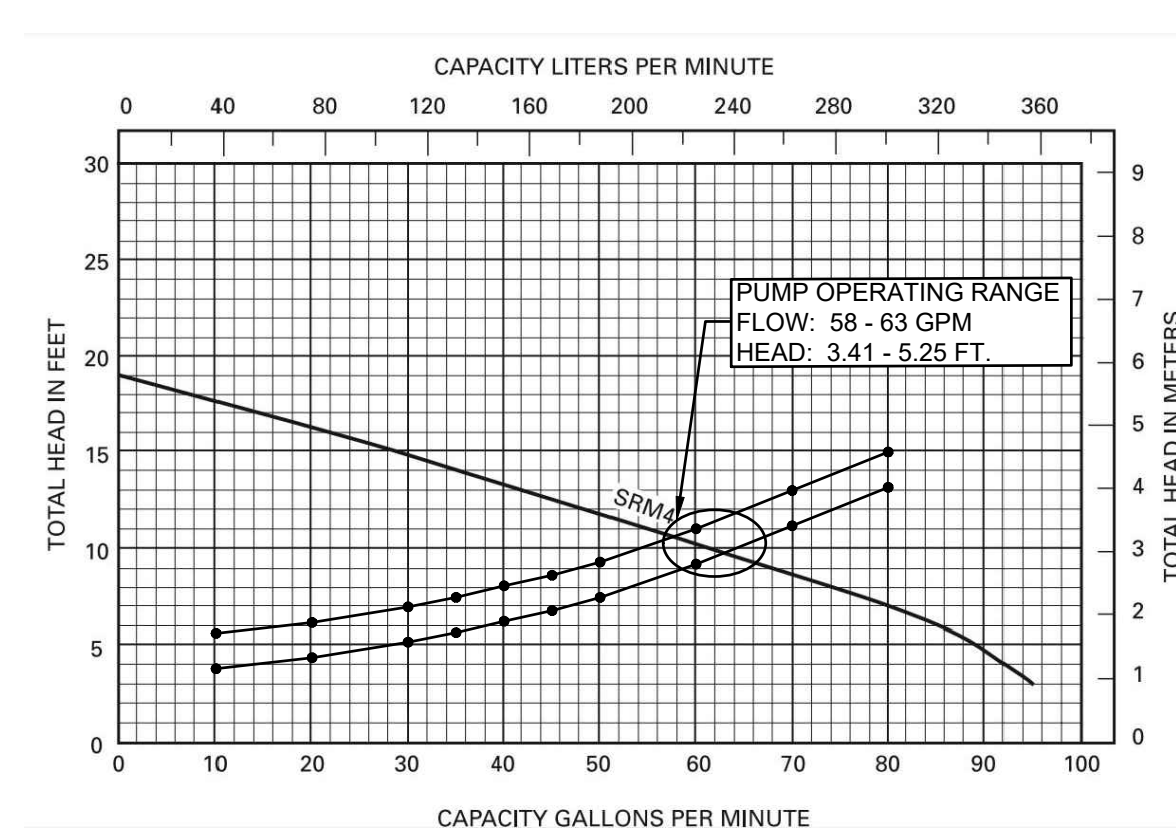
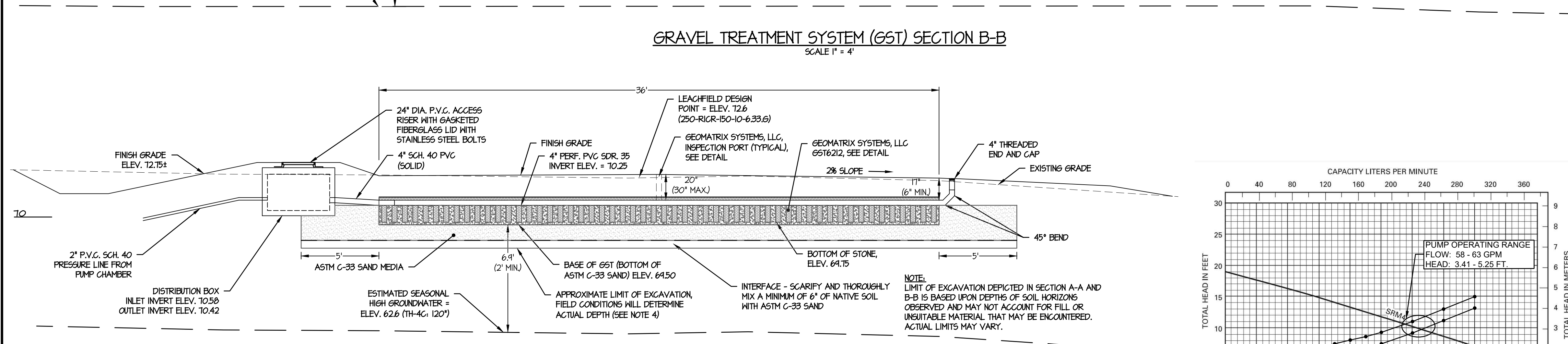
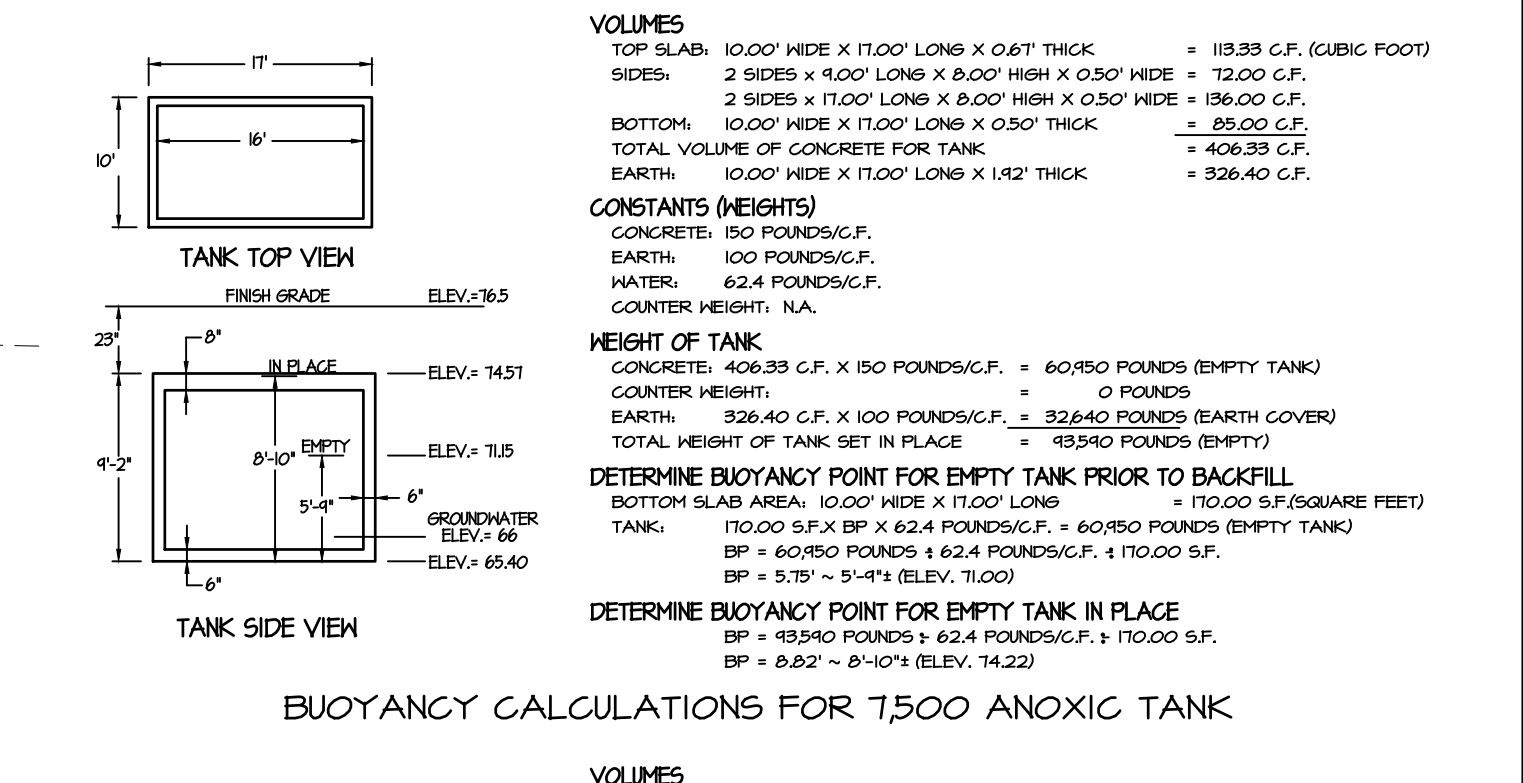
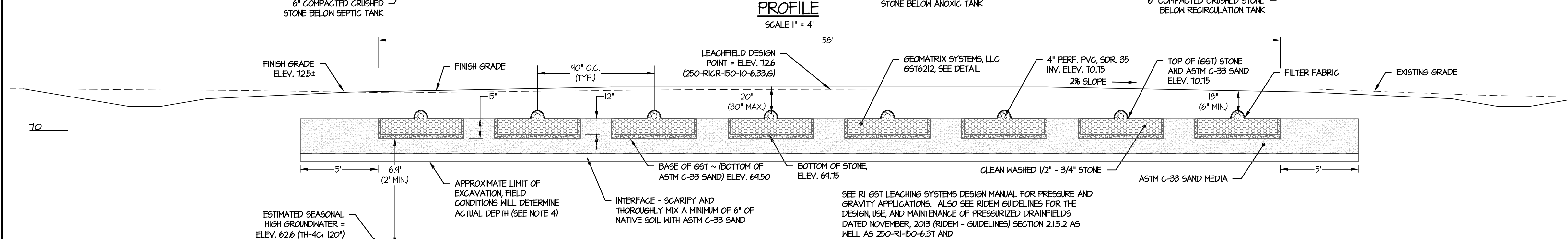
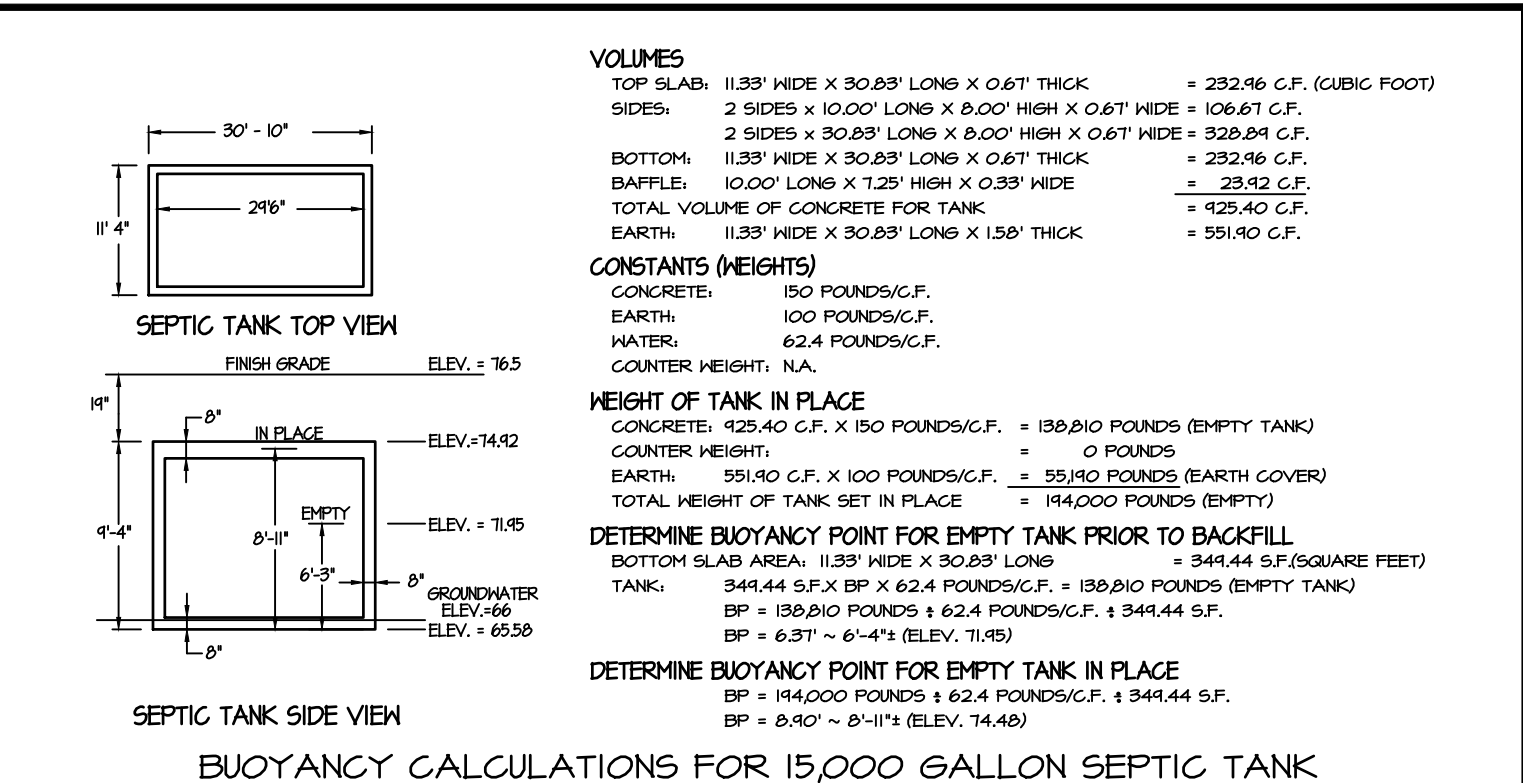
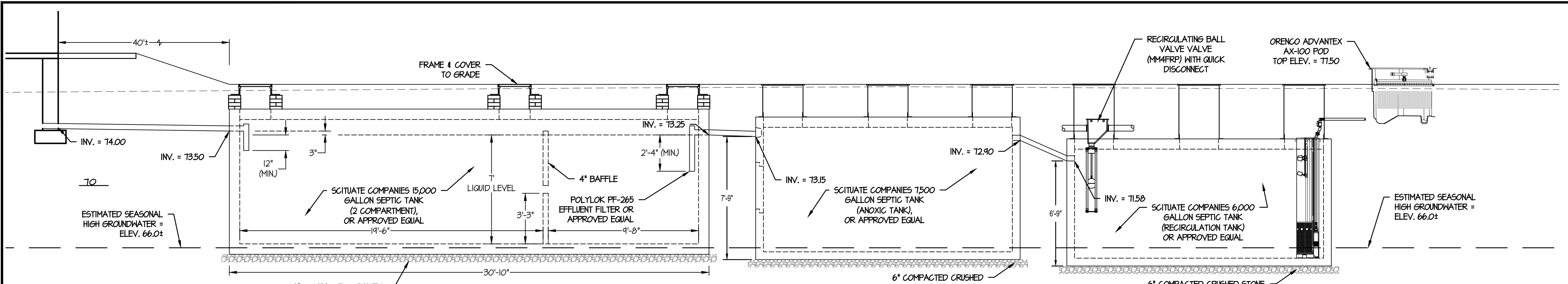
STATE OF RHODE ISLAND
 DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 DIVISION OF PLANNING AND DEVELOPMENT

DEMOLITION AND REBUILD OF BATHHOUSES
 BURLINGAME STATE PARK AND CAMPGROUND
 CHARLESTOWN, RHODE ISLAND

MILLS CAMP BATHHOUSE - OWTS DETAILS

Dwg: _____ Scale: 1" = 20'
 Contract No. x _____ Date: OCTOBER 6, 2023
 15 OF 106

J:\RhodeIsland\Charlestown\RIDEM - Burlingame\009 - 025 - and 5-c Site Designing



ELEVATION SCHEDULE		ELEVATION
INVERT AT FOUNDATION - SEPTIC TANK		14.00
INVERT IN - SEPTIC TANK		13.50
LIQUID LEVEL IN SEPTIC TANK		13.25
INVERT IN - ANOXIC TANK		13.15
INVERT OUT - ANOXIC TANK		12.90
INVERT IN RECIRC. TANK		11.50
BOTTOM OF RECIRCULATION TANK		64.23
TOP OF ADVANTEK AX-100		71.50
INVERT OUT - RECIRCULATION TANK TO PUMP BASIN		13.50
INV. IN PUMP BASIN		10.00
TOP OF PUMP BASIN RIM		13.50
ELEVATION HIGH LEVEL ALARM/ALT. PUMP		61.23
ELEVATION PUMP ON		61.61
ELEVATION PUMP OFF		65.83
ELEVATION LOW LEVEL ALARM		65.61
INV. 2" OUT PUMP BASIN		10.00
BOTTOM OF PUMP BASIN		63.50
INVERT INTO DISTRIBUTION BOX		11.50
INVERT OUT OF DISTRIBUTION BOX		11.42
ELEV. TOP OF COVER STONE ABOVE DISTRIBUTION PIPE		11.15
INV. 4" PERF. DISTRIBUTION PIPE GST		11.25
BOTTOM OF GST STONE		10.25
BASE OF GST SAND		10.00
EST. SEASONAL HIGH GW		62.6 (TH-4C)
MAX FINISHED GRADE AT GST		14.08
MIN FINISHED GRADE AT GST		12.08

PUMPING AND SYSTEM SPECIFICATIONS/DATA:

PUMP CHAMBER PUMP MODEL:
MYERS SRM4 SUBMERSIBLE SEWAGE PUMP
HORSEPOWER - 0.4; SINGLE PHASE
2" INCH DISCHARGE; 230 VOLTS; 60 HZ 6 AMPS
LIFT OUT (2)
MYERS SRA 200 WITH STAINLESS STEEL BRACKETS

CONTROL PANEL MODEL:
MYERS GE-21DW ALTERNATING
ENCLOSURE - NEMA 1 (NEMA 4X IF EXPOSED TO WEATHER)
VOLTAGE - 230
HIGH LEVEL ALARM - VISUAL AND AUDIO

FLOATS MODEL:
MYERS MODEL 20VM SJE OR EQUAL

PUMP CHAMBER DISCHARGE VOLUME PER CYCLE:
6" X 6" INTERIOR @ 1' - 10" = 66 CUBIC FEET X 7.48 GALLONS/CF = 494 GAL./CYCLE
2" PIPE DRAIN BACK: APPROXIMATELY 8 GAL.
494 GALLONS/CYCLE - 8 GALLONS = 486 GAL./CYCLE
7500 GPD/ 2 GST SYSTEMS = 3750 GPD/486 GAL./CYCLE = 7.7 - 8 CYCLES/DAY/GST

FLOATS - ON, OFF, HIGH AND LOW WATER:
HIGH WATER - ELEVATION 67.83
PUMP ON - ELEVATION 67.67
PUMP OFF - ELEVATION 65.83
LOW WATER - ELEVATION 65.67

ORENCO AX-100 TREATMENT SYSTEM DATA REVIEWED AND PROVIDED BY ATLANTIC SOLUTIONS (CONTROL PANEL - TIME DOSED)

GRAVEL SAND TREATMENT (GST) SYSTEM DATA REVIEWED BY GEOMATRIX SYSTEMS LLC.

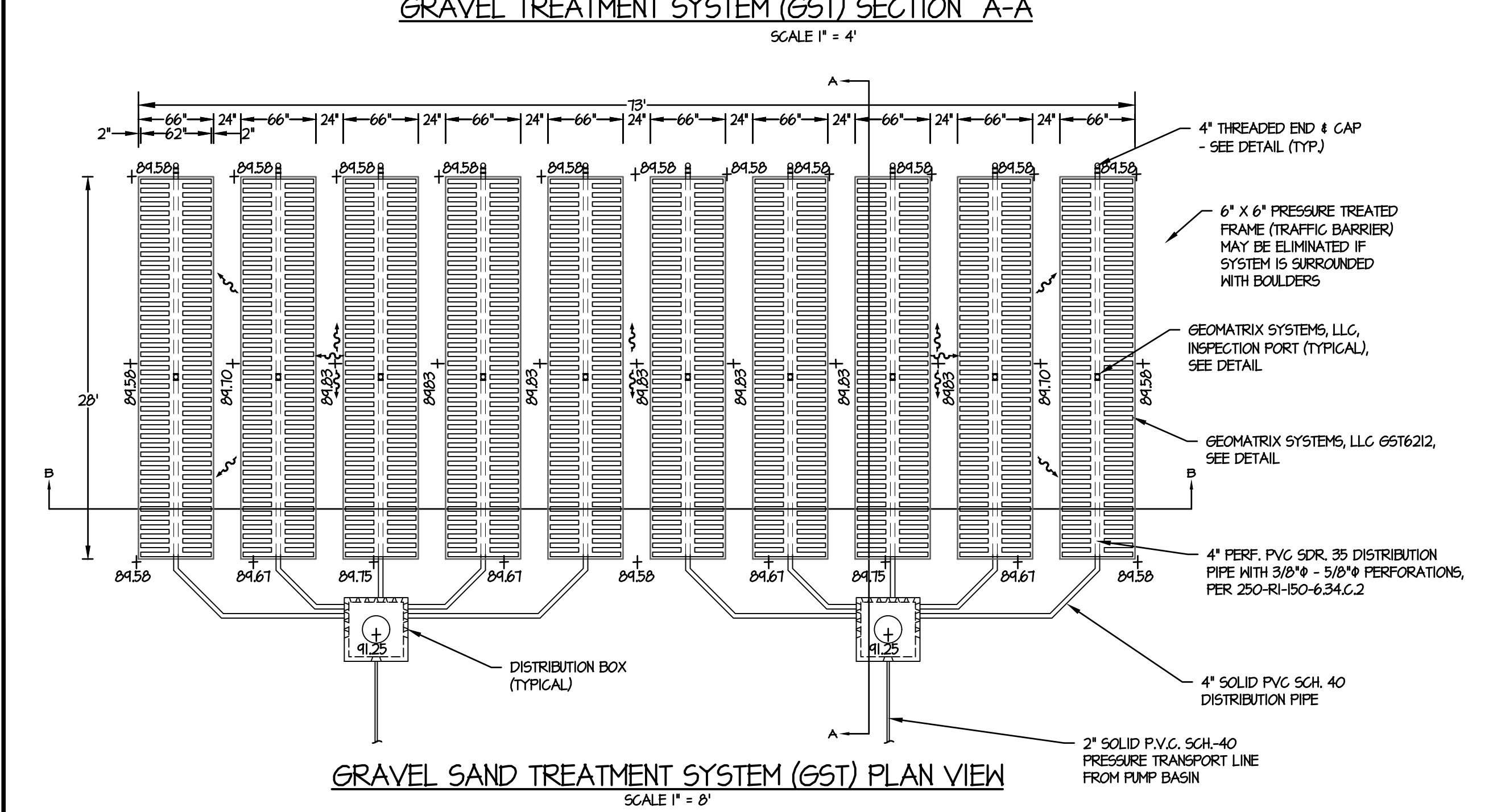
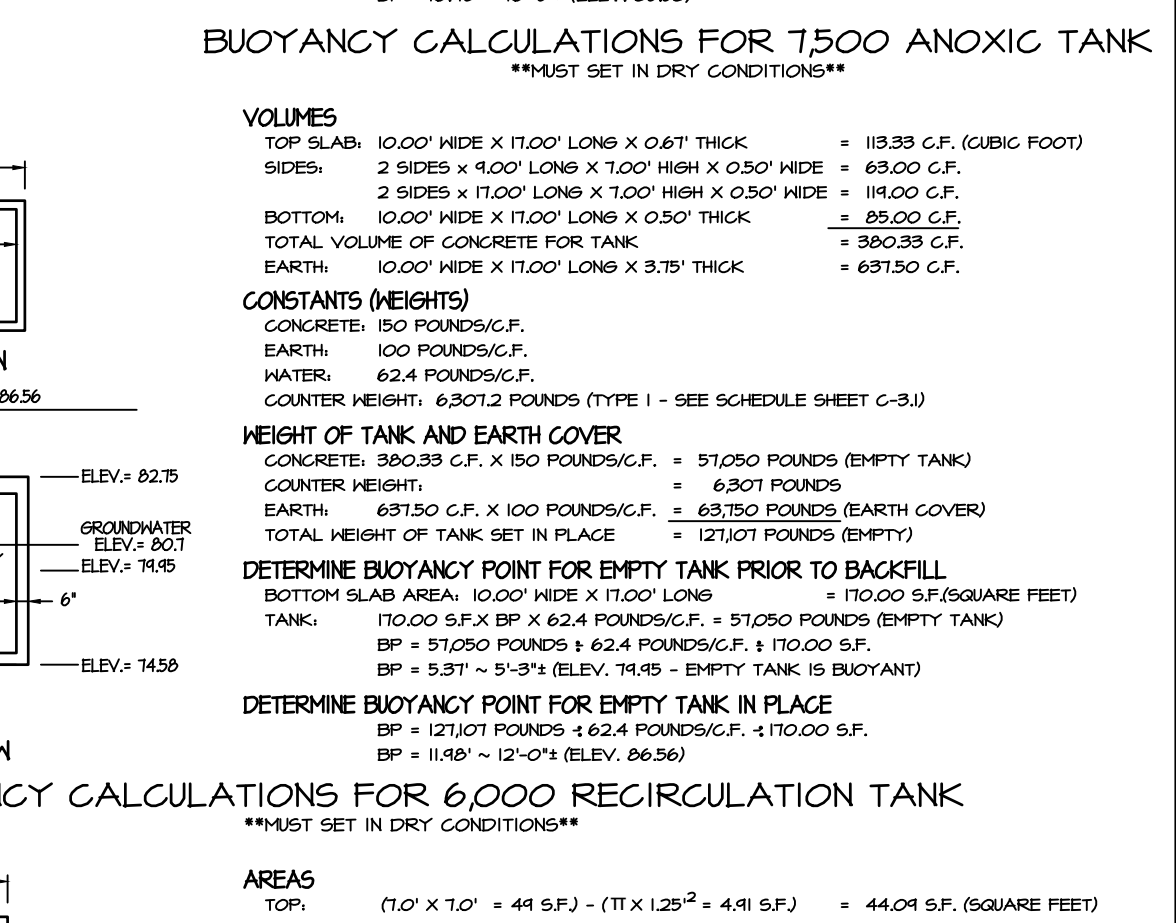
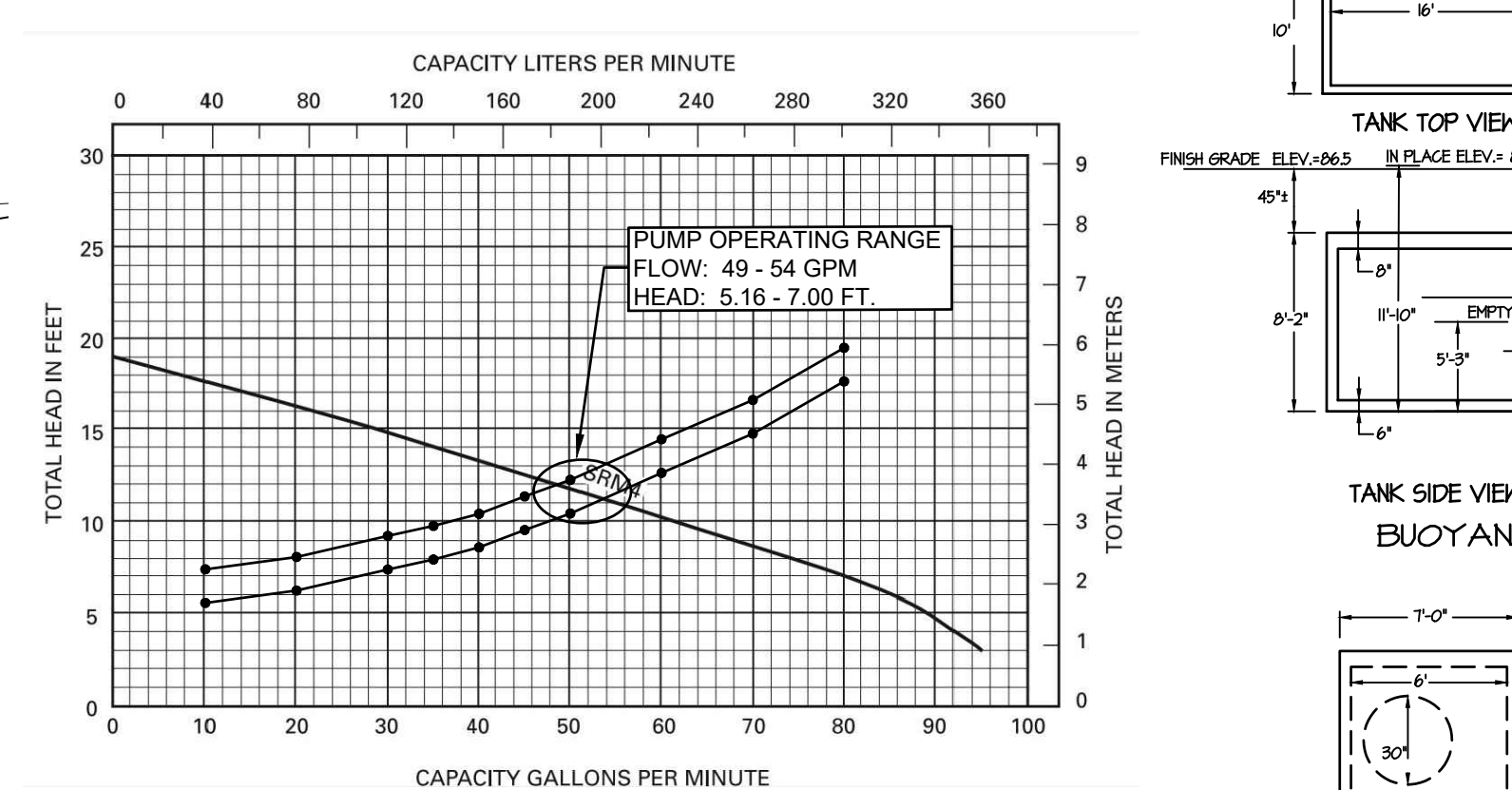
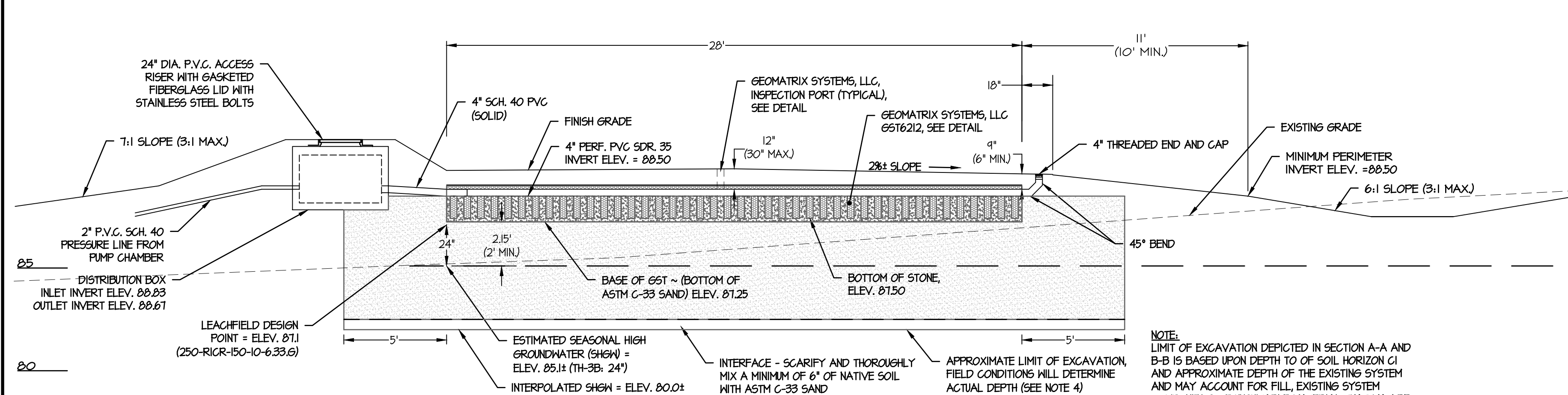
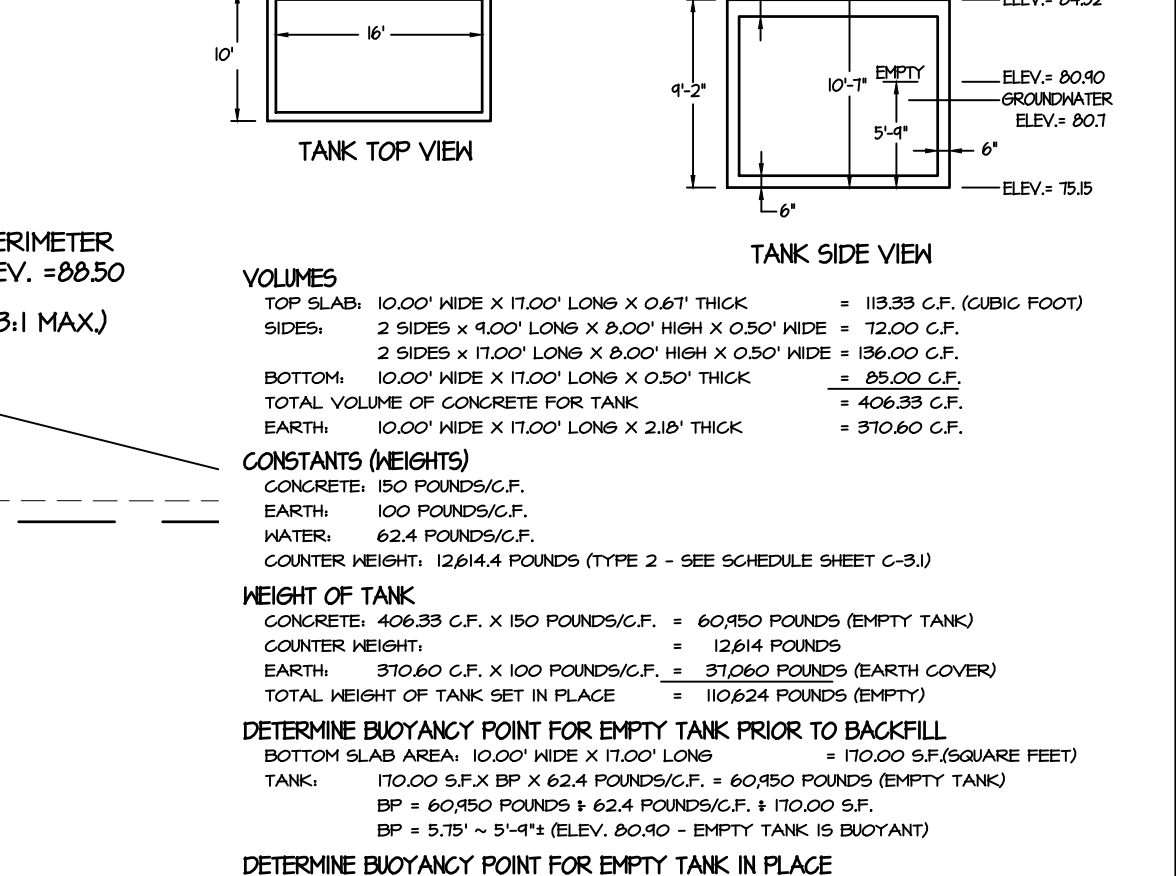
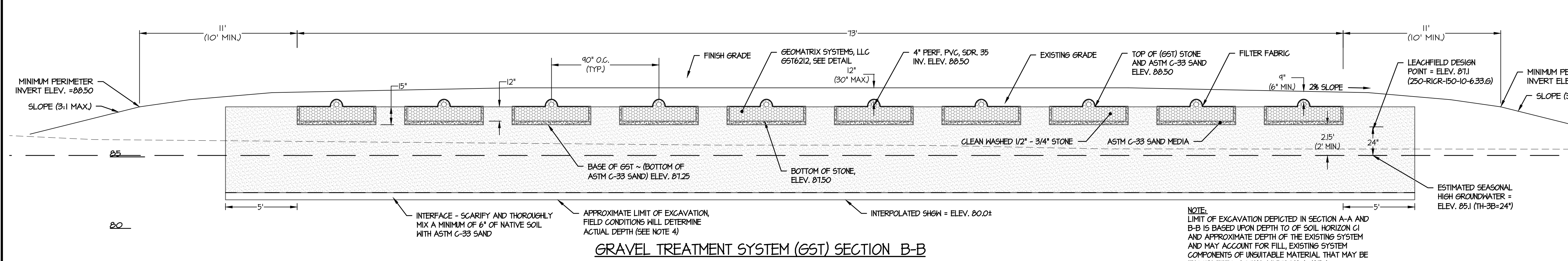
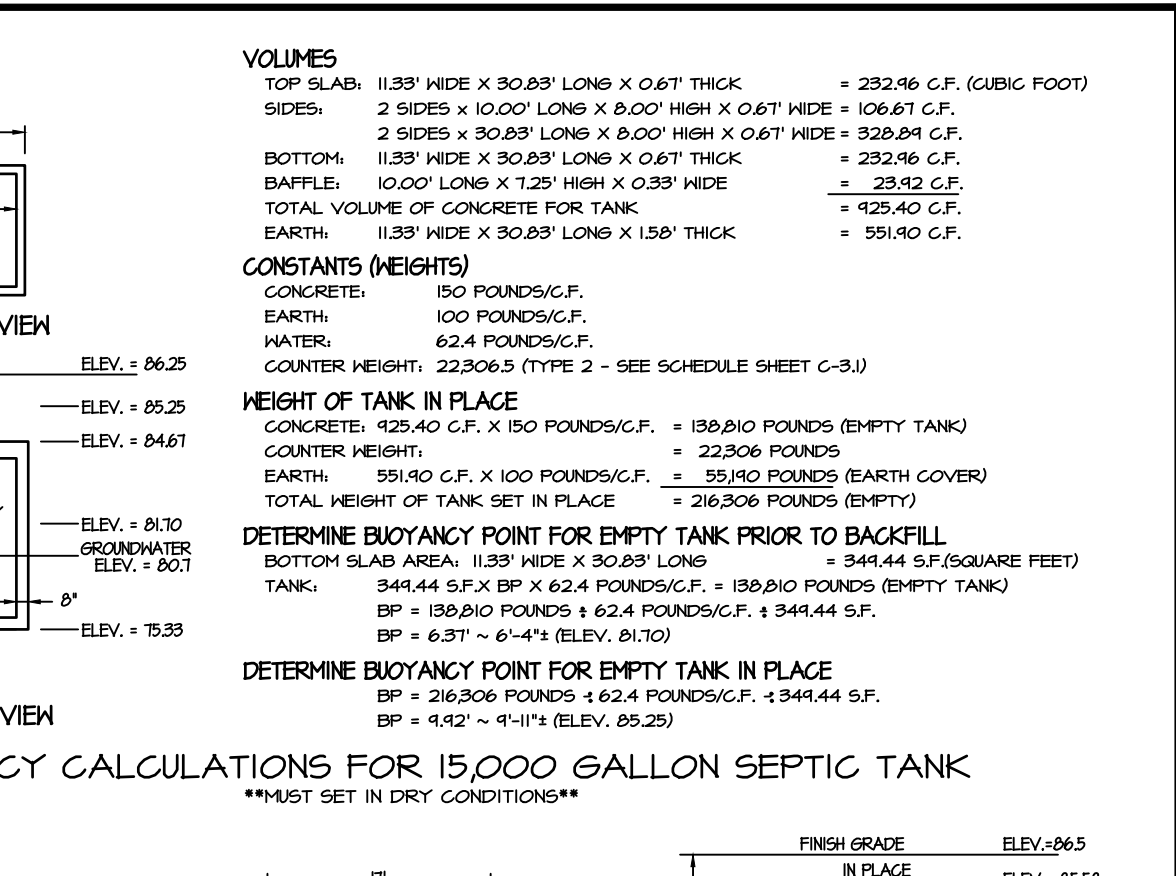
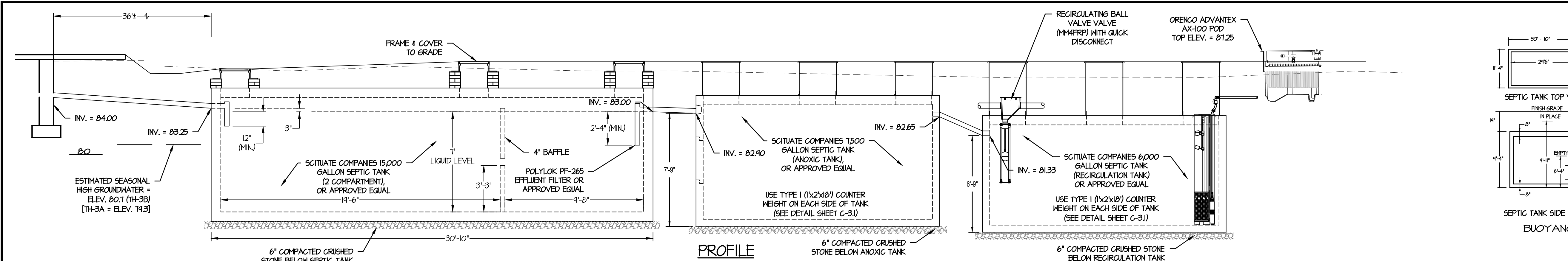
STATE OF RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
DIVISION OF PLANNING AND DEVELOPMENT

DEMOLITION AND REBUILD OF BATHHOUSES
BURLINGAME STATE PARK AND CAMPGROUND
CHARLESTOWN, RHODE ISLAND

BATHHOUSE "B" - OWTS DETAILS

Dwg: Scale: 1" = 20'
Contract No. x Date: OCTOBER 6, 2023

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DESCRIPTION	ELEVATION
INVERT AT FOUNDATION - TO SEPTIC TANK	84.00
INVERT IN - SEPTIC TANK	83.25
LIQUID LEVEL IN SEPTIC TANK	83.00
INVERT IN - ANOXIC TANK	82.90
INVERT OUT - ANOXIC TANK	82.65
INVERT IN RECIRC. TANK	81.33
ELEVATION PUMP ON	81.61
TOP OF ADVANTEX AX-100	81.25
INVERT OUT - RECIRCULATION TANK TO PUMP BASIN	83.25
INV. IN PUMP BASIN	83.00
TOP OF PUMP BASIN RIM	86.25
ELEVATION HIGH LEVEL ALARM/ALT. PUMP	81.23
BOTTOM OF RECIRCULATION TANK	74.50
ELEVATION PUMP OFF	74.25
ELEVATION LOW LEVEL ALARM	74.61
INV. 2" OUT PUMP BASIN	83.25
BOTTOM OF PUMP BASIN	76.50
INVERT INTO DISTRIBUTION BOX	82.61
INVERT OUT OF DISTRIBUTION BOX	82.61
ELEV. TOP OF COVER STONE ABOVE DISTRIBUTION PIPE	84.00
INV. 4" PERF. DISTRIBUTION PIPE GST	82.50
BOTTOM OF GST STONE	81.50
BASE OF GST SAND	81.25
EST. SEASONAL HIGH GW (4" - HIGHEST ELEV. = 81.1)	85.10 (TH-3B)
MAX FINISHED GRADE AT GST	91.33
MIN FINISHED GRADE AT GST	84.33

PUMPING AND SYSTEM SPECIFICATIONS/DATA:

PUMP CHAMBER PUMP MODEL:
MYERS SRM4 SUBMERSIBLE SEWAGE PUMP
HORSEPOWER - 0.4; SINGLE PHASE
2" INCH DISCHARGE; 230 VOLTS; 60 HZ 6 AMPS
LIFT OUT (2)

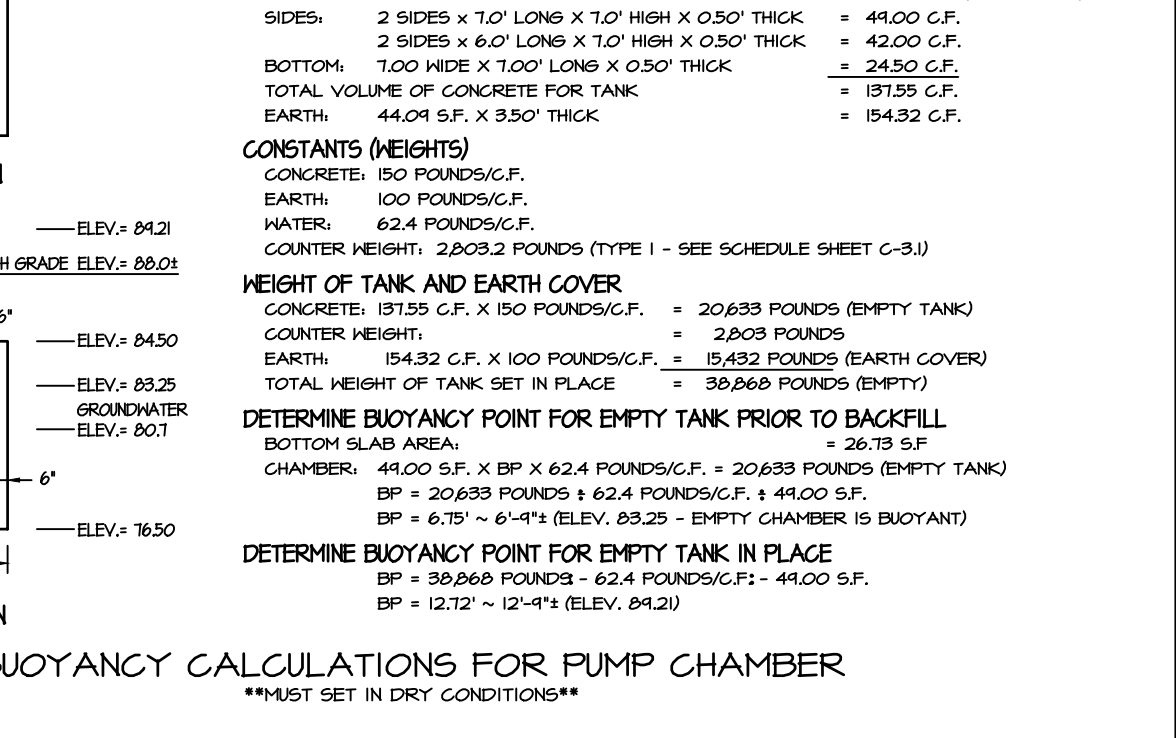
MYERS SRA 200 WITH STAINLESS STEEL BRACKETS
CONTROL PANEL MODEL
MYERS CE-210W ALTERNATING
ENCLOSURE - NEMA 1 (NEMA 4X IF EXPOSED TO WEATHER)
VOLTAGE - 230
HIGH LEVEL ALARM - VISUAL AND AUDIO
FLOATS MODEL
MYERS MODEL 20VM SJE OR EQUAL

PUMP CHAMBER DISCHARGE VOLUME PER CYCLE:
6' X 6' INTERIOR @ 1' - 10" = 66 CUBIC FEET X 7.48 GALLONS/C.F. = 494 GAL./CYCLE
2" PIPE DRAIN BACK: APPROXIMATELY 8 GAL.
494 GALLONS/CYCLE - 8 GALLONS = 486 GAL./CYCLE
7500 GPD/2 GST SYSTEMS = 3750 GPD/486 GAL./CYCLE = 7.7 - 8 CYCLES/DAY/GST

FLOATS - ON, OFF, HIGH AND LOW WATER:
HIGH WATER - ELEVATION 81.83
PUMP ON - ELEVATION 81.67
PUMP OFF - ELEVATION 79.83
LOW WATER - ELEVATION 79.67

ORENCO AX-100 TREATMENT SYSTEM DATA REVIEWED AND PROVIDED BY ATLANTIC SOLUTIONS (CONTROL PANEL - TIME DOSED)

GRAVEL SAND TREATMENT (GST) SYSTEM DATA REVIEWED BY GEOMATRIX SYSTEMS LLC.



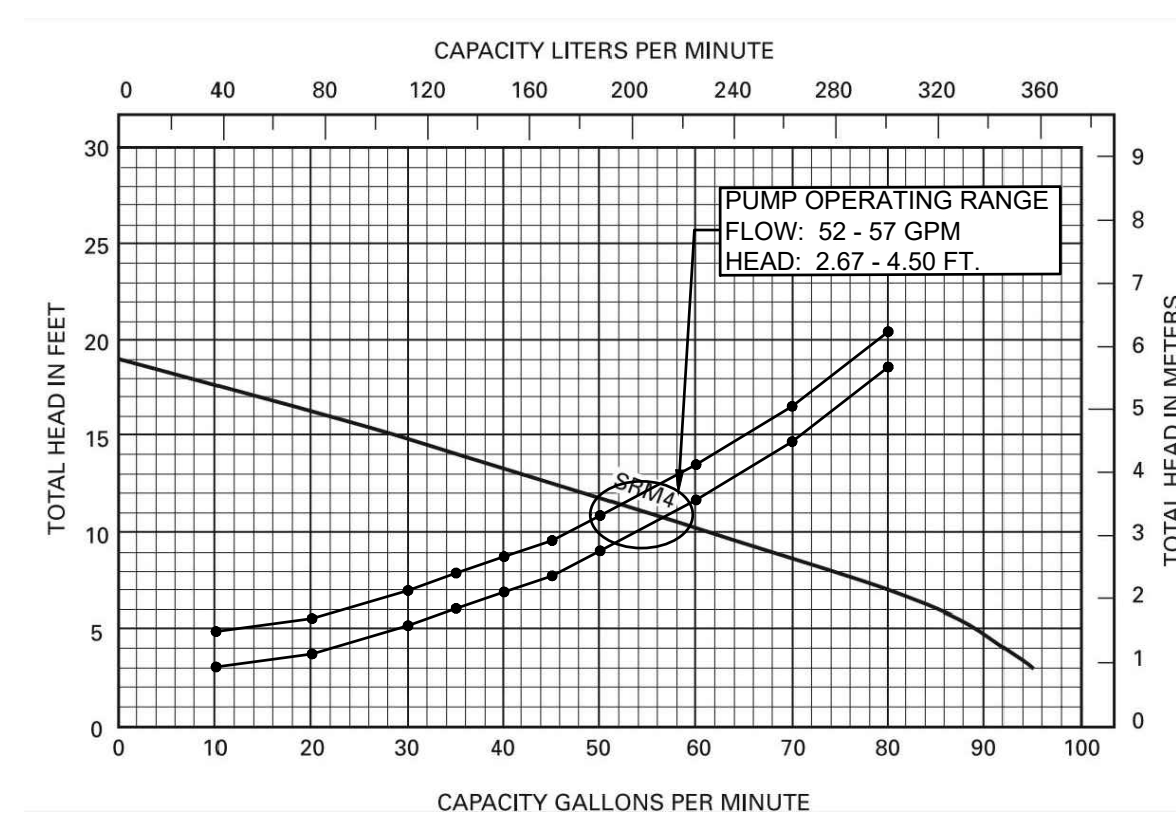
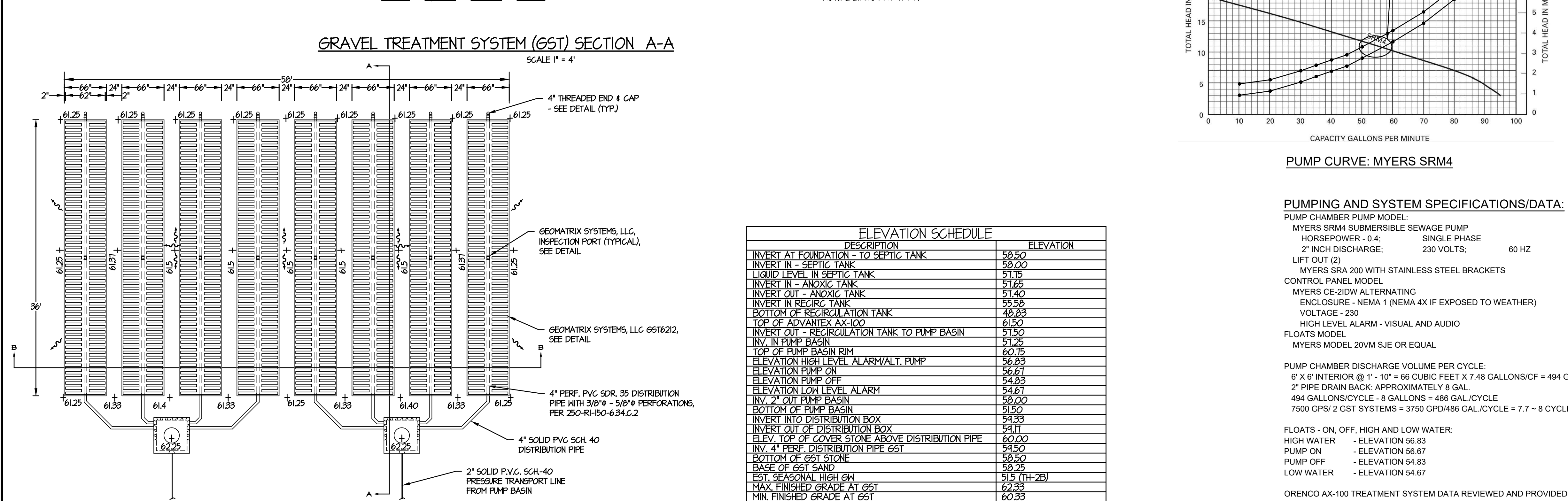
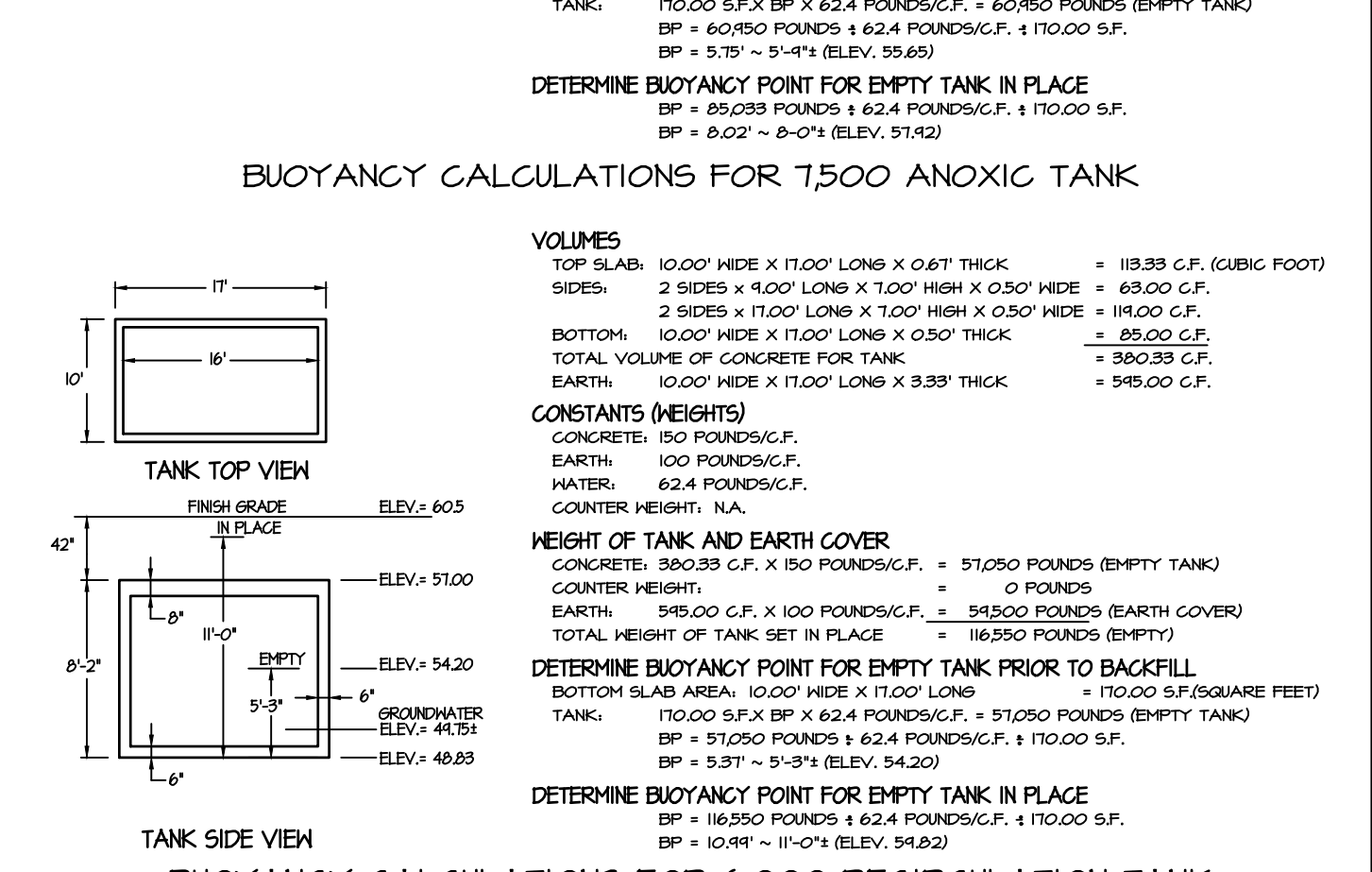
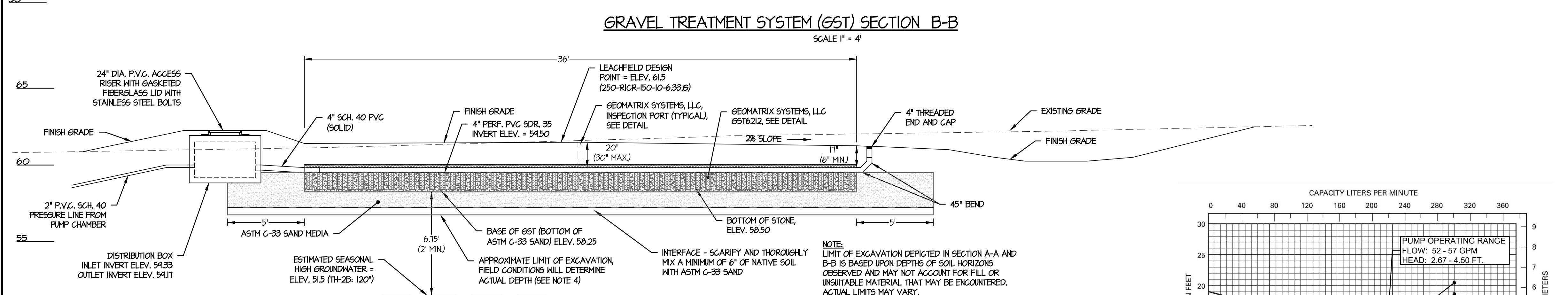
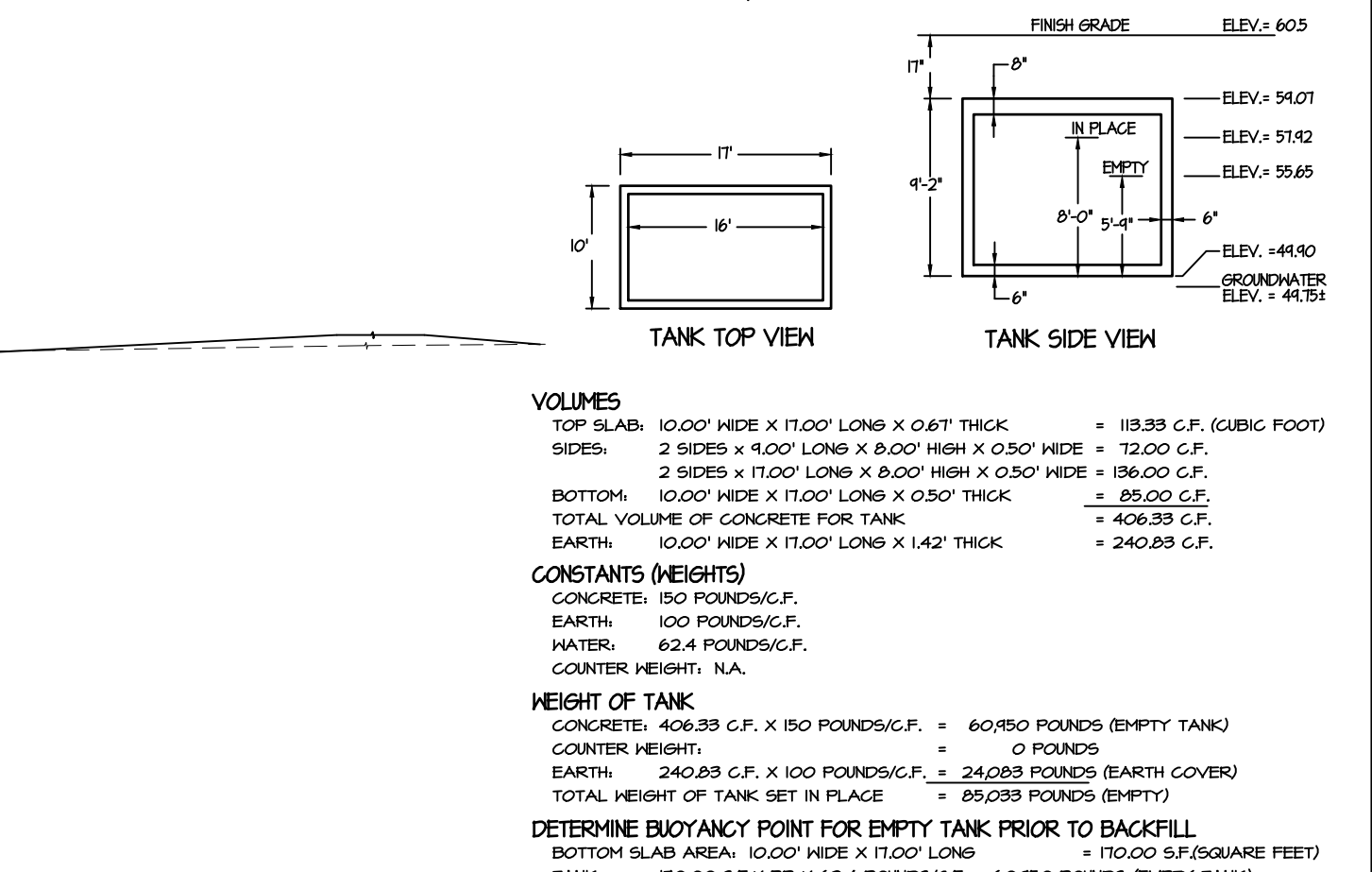
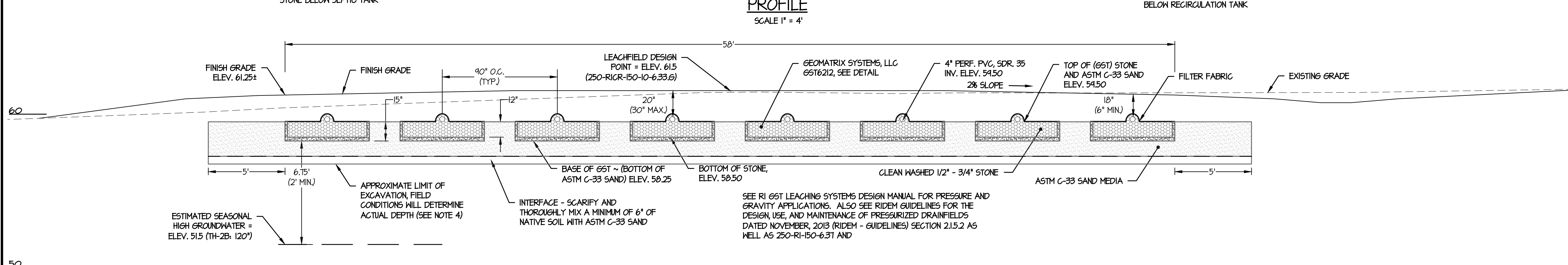
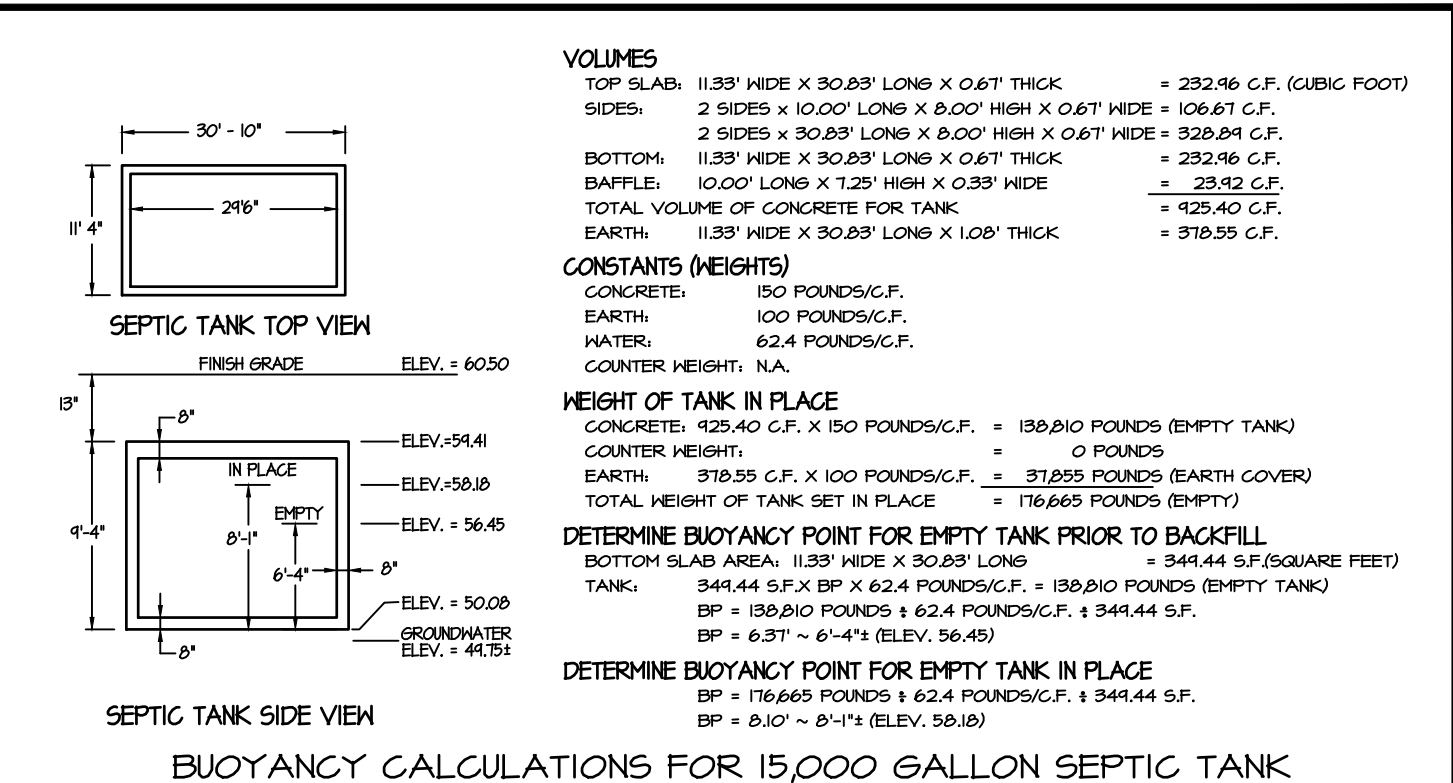
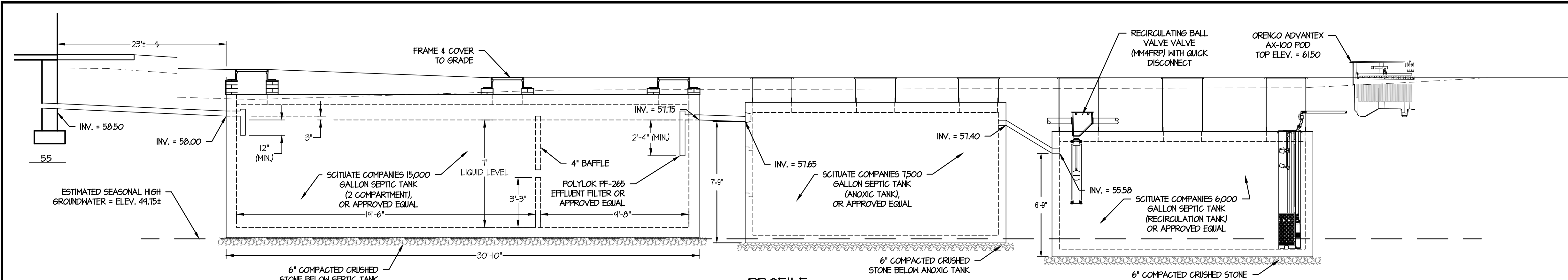
STATE OF RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
DIVISION OF PLANNING AND DEVELOPMENT

DEMOLITION AND REBUILD OF BATHHOUSES
BURLINGAME STATE PARK AND CAMPGROUND
CHARLESTOWN, RHODE ISLAND

BATHHOUSE "A" - OWTS DETAILS

Dwg: _____ Scale: 1" = 20'
Contract No. x _____ Date: OCTOBER 6, 2023

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PUMP CURVE: MYERS SRM4

PUMPING AND SYSTEM SPECIFICATIONS/DATA:

PUMP CHAMBER PUMP MODEL:
 MYERS SRM4 SUBMERSIBLE SEWAGE PUMP
 HORSEPOWER - 0.4; SINGLE PHASE
 2" INCH DISCHARGE; 230 VOLTS; 60 HZ 6 AMPS
 LIFT OUT (2)
 MYERS SRA 200 WITH STAINLESS STEEL BRACKETS
CONTROL PANEL MODEL:
 MYERS GE-210W ALTERNATING
 ENCLOSURE - NEMA 1 (NEMA 4X IF EXPOSED TO WEATHER)
 VOLTAGE - 230
 HIGH LEVEL ALARM - VISUAL AND AUDIO
 FLOATS MODEL
 MYERS MODEL 20VM SJE OR EQUAL
PUMP CHAMBER DISCHARGE VOLUME PER CYCLE:
 6' X 6' INTERIOR @ 1' - 10" = 66 CUBIC FEET X 7.48 GALLONS/CF = 494 GAL./CYCLE
 2" PIPE DRAIN BACK: APPROXIMATELY 8 GAL.
 494 GALLONS/CYCLE - 8 GALLONS = 486 GAL./CYCLE
 7500 GPD/ 2 GST SYSTEMS = 3750 GPD/486 GAL./CYCLE = 7.7 - 8 CYCLES/DAY/GST
FLOATS - ON, OFF, HIGH AND LOW WATER:
 HIGH WATER - ELEVATION 56.83
 PUMP ON - ELEVATION 56.67
 PUMP OFF - ELEVATION 54.83
 LOW WATER - ELEVATION 54.67
 ORENCO AX-100 TREATMENT SYSTEM DATA REVIEWED AND PROVIDED BY ATLANTIC SOLUTIONS (CONTROL PANEL - TIME DOSED)
 GRAVEL SAND TREATMENT (GST) SYSTEM DATA REVIEWED BY GEOMATRIX SYSTEMS LLC.

ELEVATION SCHEDULE		
DESCRIPTION		ELEVATION
INVERT AT FOUNDATION - TO SEPTIC TANK		58.50
INVERT IN - SEPTIC TANK		58.00
LIQUID LEVEL IN SEPTIC TANK		57.75
INVERT IN - ANOXIC TANK		57.65
INVERT OUT - ANOXIC TANK		57.40
INVERT IN RECIRC. TANK		55.58
BOTTOM OF RECIRCULATION TANK		49.23
TOP OF ADVANTEX AX-100		61.50
INVERT OUT - RECIRCULATION TANK TO PUMP BASIN		57.50
INV. IN PUMP BASIN		57.25
TOP OF PUMP BASIN RIM		60.75
ELEVATION HIGH LEVEL ALARM/ALT. PUMP		56.83
ELEVATION PUMP ON		56.67
ELEVATION PUMP OFF		54.83
ELEVATION LOW LEVEL ALARM		54.67
INV. 2" OUT PUMP BASIN		58.00
BOTTOM OF PUMP BASIN		51.50
INVERT INTO DISTRIBUTION BOX		54.33
INVERT OUT OF DISTRIBUTION BOX		54.17
ELEV. TOP OF COVER STONE ABOVE DISTRIBUTION PIPE		60.00
INV. 4" PERF. DISTRIBUTION PIPE GST		54.50
BOTTOM OF GST STONE		58.50
BASE OF GST SAND		58.25
EST. SEASONAL HIGH GW		51.5 (TH-2B)
MAX. FINISHED GRADE AT GST		62.33
MIN. FINISHED GRADE AT GST		60.33

J:\RhodeIsland\Charlestown\RIDEM - Burlingame\009 - 025 - and S-c Site Designing

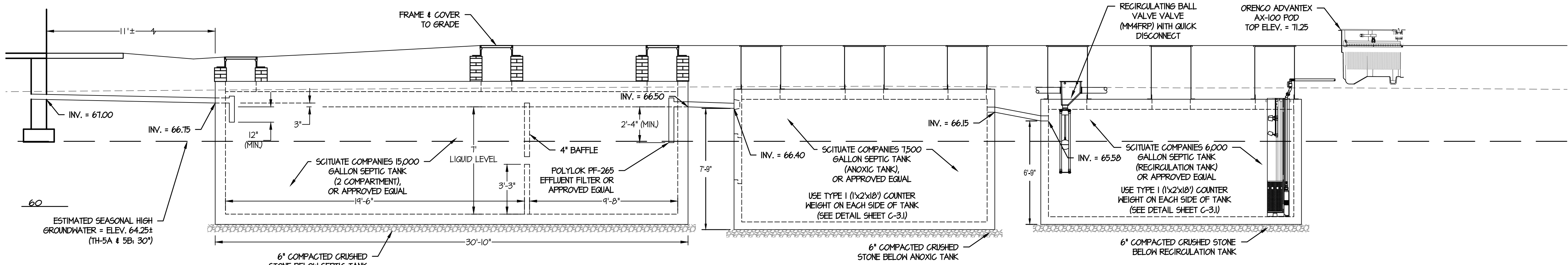
GRAVEL SAND TREATMENT SYSTEM (GST) PLAN VIEW
SCALE 1" = 8'

STATE OF RHODE ISLAND
 DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 DIVISION OF PLANNING AND DEVELOPMENT

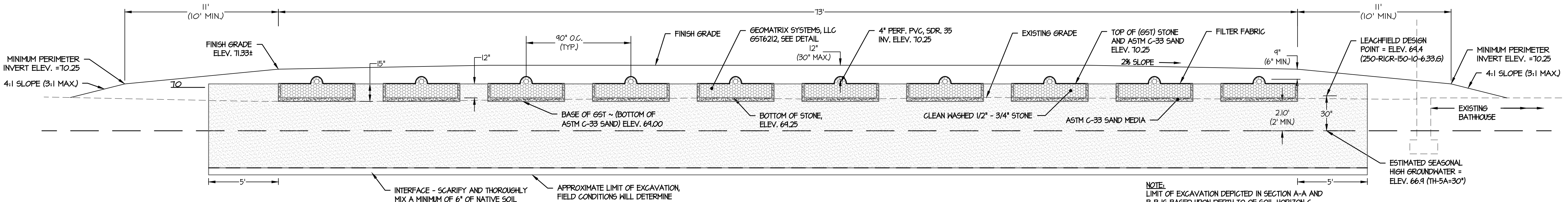
DEMOLITION AND REBUILD OF BATHHOUSES
 BURLINGAME STATE PARK AND CAMPGROUND
 CHARLESTOWN, RHODE ISLAND

FISH CAMP BATHHOUSE - OWTS DETAILS

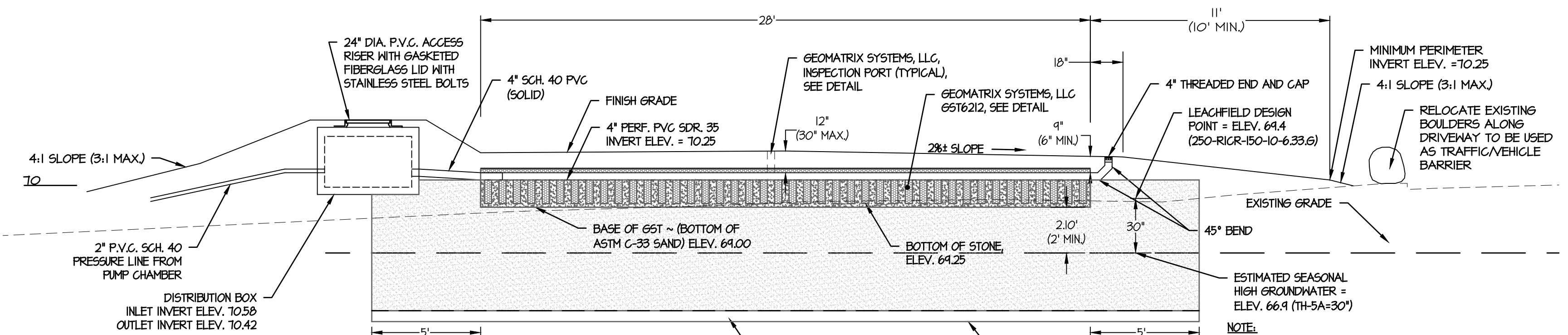
Dwg: _____ Scale: 1" = 20'
 Contract No. x _____ Date: OCTOBER 6, 2023
 C-2.4
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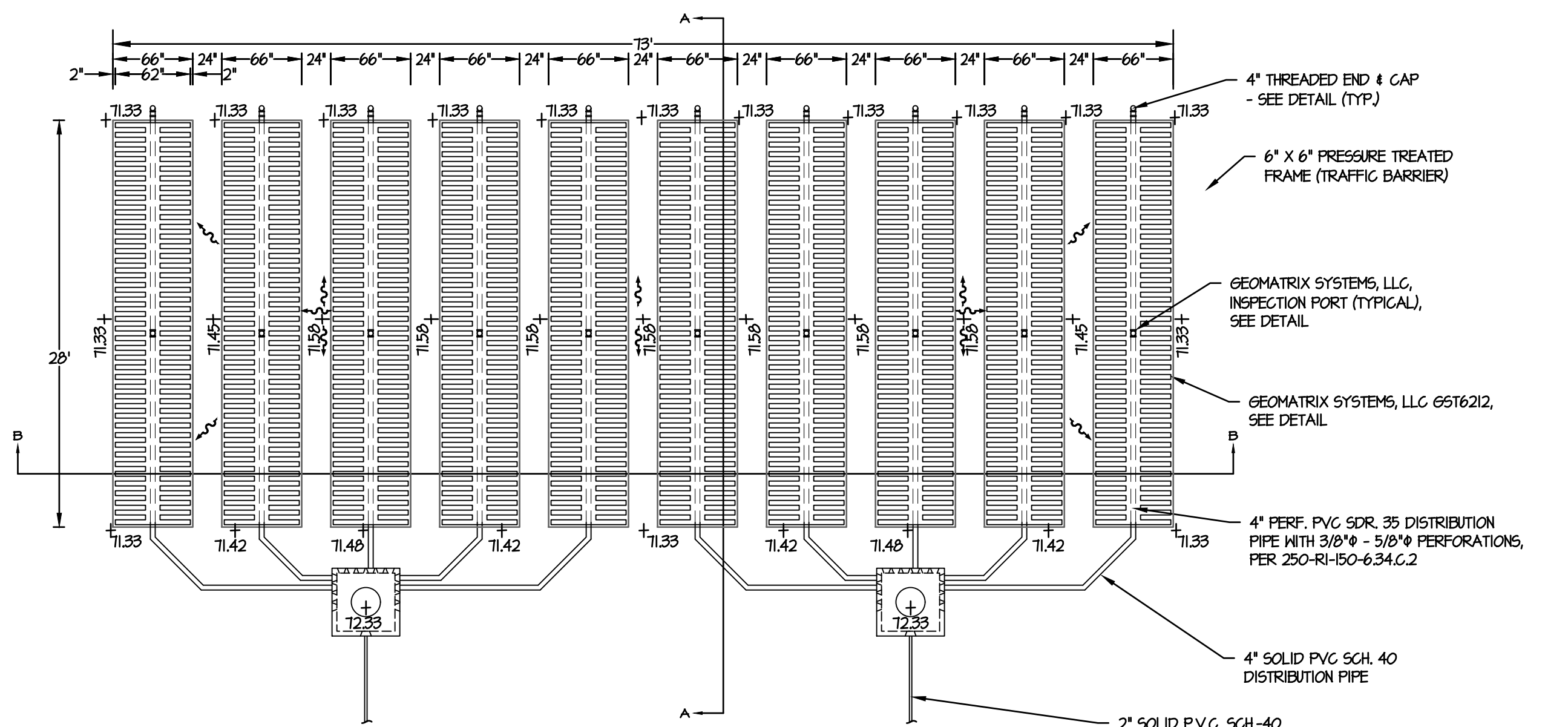
PROFILE
SCALE 1" = 4'



GRAVEL TREATMENT SYSTEM (GST) SECTION B-B
SCALE 1" = 4'



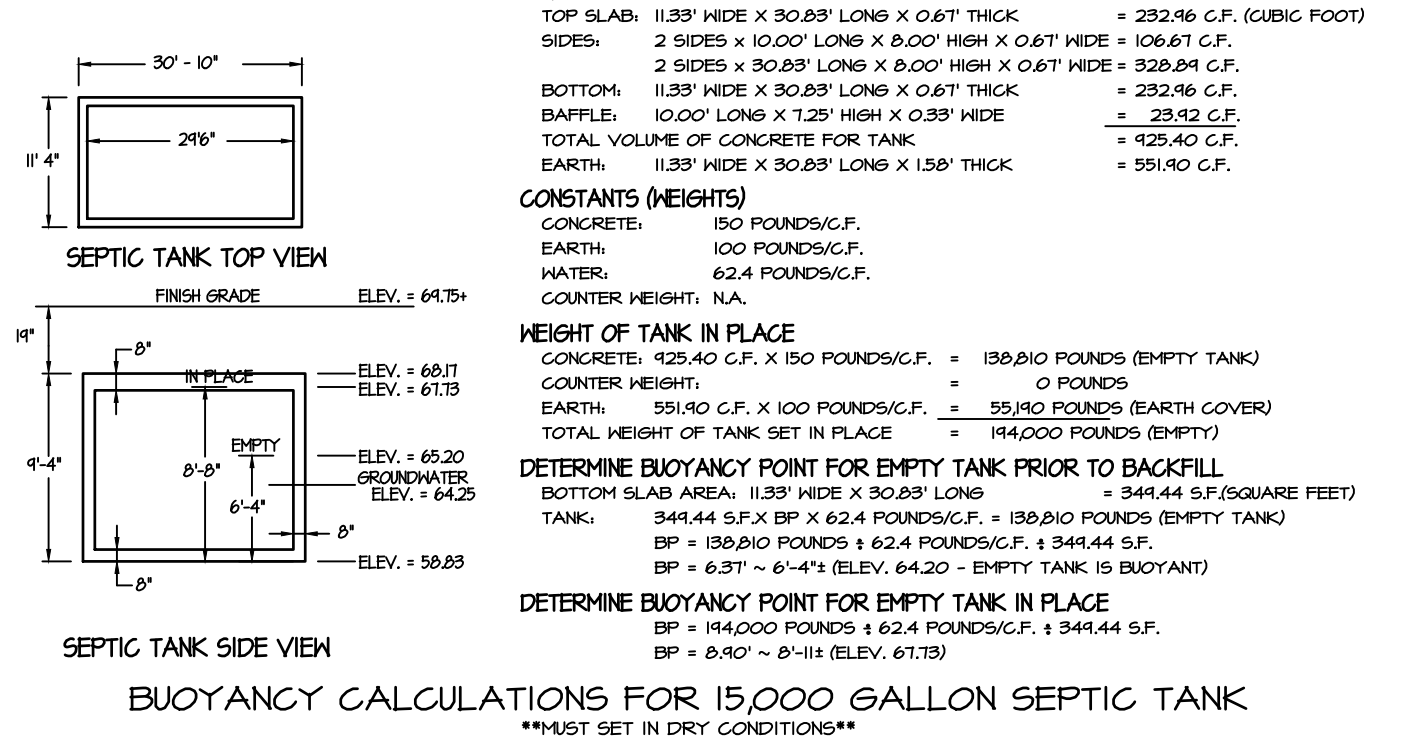
GRAVEL TREATMENT SYSTEM (GST) SECTION A-A
SCALE 1" = 4'



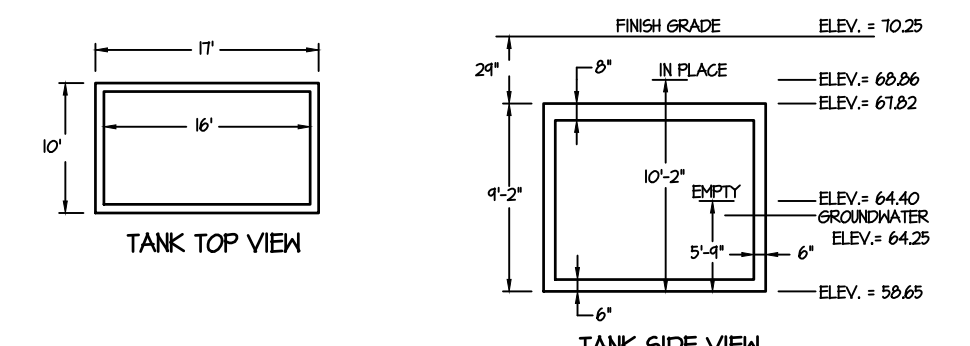
GRAVEL SAND TREATMENT SYSTEM (GST) PLAN VIEW
SCALE 1" = 8'

DESCRIPTION	ELEVATION
INVERT AT FOUNDATION - TO SEPTIC TANK	61.00
INVERT IN - SEPTIC TANK	66.15
LIQUID LEVEL IN SEPTIC TANK	66.50
INVERT IN - ANOXIC TANK	66.40
INVERT OUT - ANOXIC TANK	66.15
INVERT IN RECIRC. TANK	65.58
BOTTOM OF RECIRCULATION TANK	58.83
TOP OF ADVANTEK AX-100	71.25
INVERT OUT - RECIRCULATION TANK TO PUMP BASIN	61.50
INV. IN PUMP BASIN	61.25
TOP OF PUMP BASIN RIM	71.00
ELEVATION HIGH LEVEL ALARM/ALT. PUMP	65.83
ELEVATION PUMP ON	65.61
ELEVATION PUMP OFF	63.83
ELEVATION LOW LEVEL ALARM	63.61
INV. 2" OUT PUMP BASIN	61.00
BOTTOM OF PUMP BASIN	60.50
INVERT INTO DISTRIBUTION BOX	70.58
INVERT OUT OF DISTRIBUTION BOX	70.42
ELEV. TOP OF COVER STONE ABOVE DISTRIBUTION PIPE	70.15
INV. 4" PERF. DISTRIBUTION PIPE GST	70.25
BOTTOM OF GST STONE	64.25
BASE OF GST SAND	64.00
SEASONAL HIGH GW (30" - DESIGN POINT ELEV. = 64.44)	66.9 (TH-5A)
MAX FINISHED GRADE AT GST	73.00
MIN FINISHED GRADE AT GST	71.00

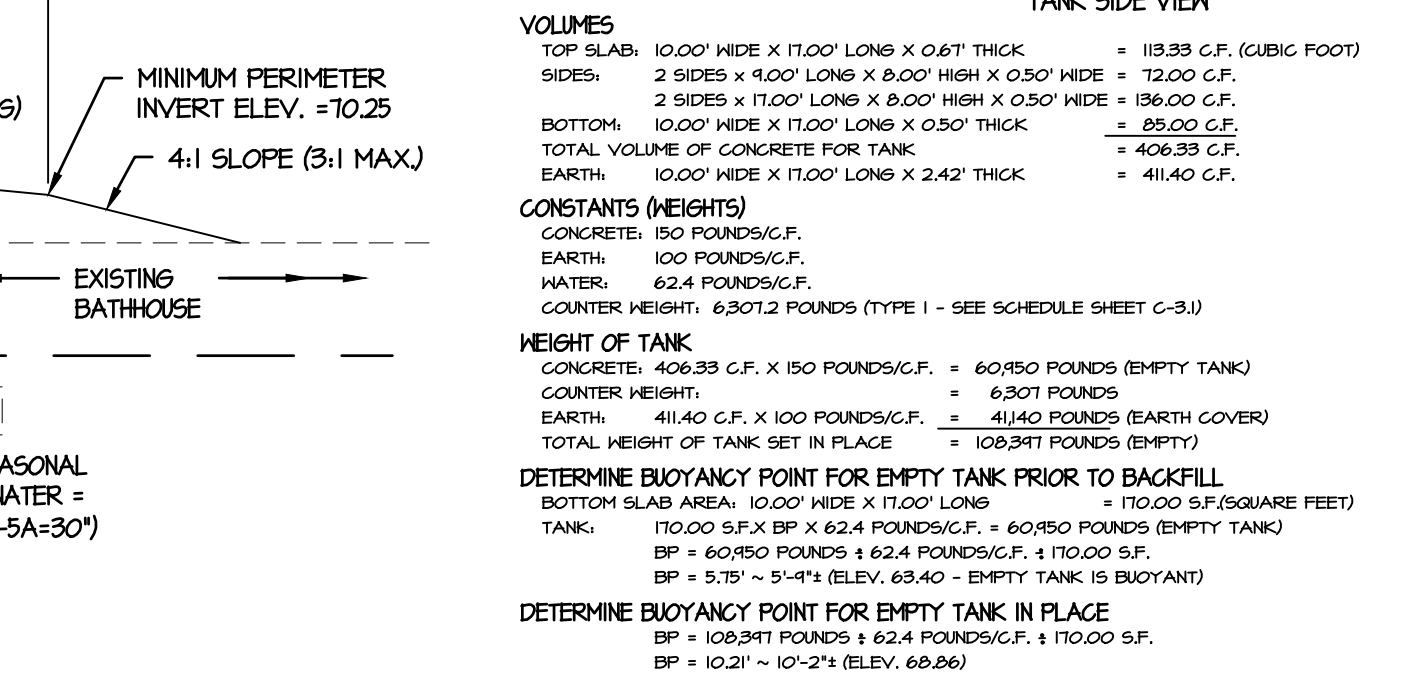
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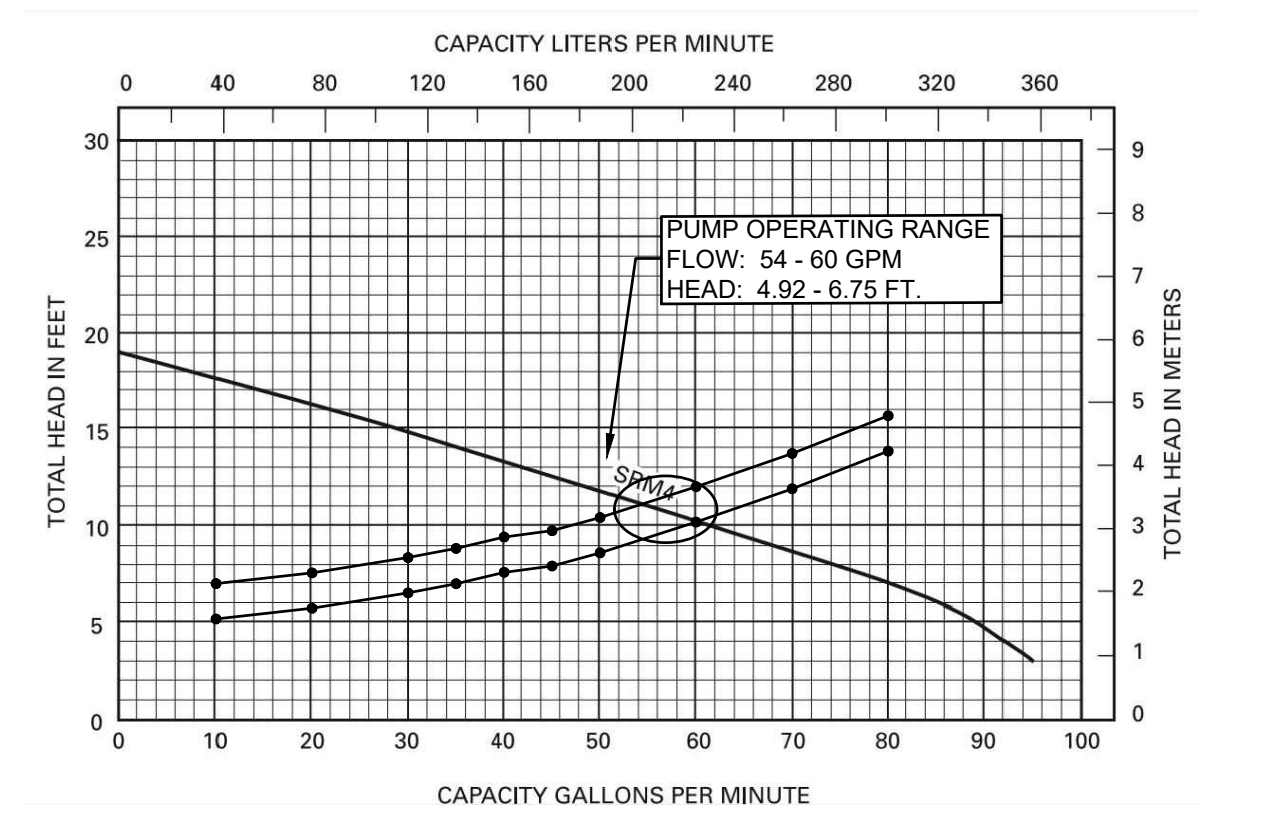
BUOYANCY CALCULATIONS FOR 15,000 GALLON SEPTIC TANK
MUST SET IN DRY CONDITIONS



BUOYANCY CALCULATIONS FOR 1,500 ANOXIC TANK
MUST SET IN DRY CONDITIONS



BUOYANCY CALCULATIONS FOR 6,000 RECIRCULATION TANK
MUST SET IN DRY CONDITIONS



PUMP CURVE: MYERS SRM4

PUMPING AND SYSTEM SPECIFICATIONS/DATA:

PUMP CHAMBER PUMP MODEL:
MYERS SRM4 SUBMERSIBLE SEWAGE PUMP
HORSEPOWER - 0.4; SINGLE PHASE
2" INCH DISCHARGE; 230 VOLTS; 60 HZ 6 AMPS
LIFT OUT (2)
MYERS SRA 200 WITH STAINLESS STEEL BRACKETS
CONTROL PANEL MODEL
MYERS CE-210W ALTERNATING
ENCLOSURE - NEMA 1 (NEMA 4X IF EXPOSED TO WEATHER)
VOLTAGE - 230
HIGH LEVEL ALARM - VISUAL AND AUDIO
FLOATS MODEL
MYERS MODEL 20VM SJE OR EQUAL

PUMP CHAMBER DISCHARGE VOLUME PER CYCLE:
6' X 6' INTERIOR @ 1' - 10" = 66 CUBIC FEET X 7.48 GALLONS/CF = 494 GAL./CYCLE
2" PIPE DRAIN BACK: APPROXIMATELY 8 GAL.
494 GALLONS/CYCLE - 8 GALLONS = 486 GAL./CYCLE
7500 GPD/2 GST SYSTEMS = 3750 GPD/486 GAL./CYCLE = 7.7 - 8 CYCLES/DAY/GST

FLOATS - ON, OFF, HIGH AND LOW WATER:
HIGH WATER - ELEVATION 65.83
PUMP ON - ELEVATION 65.67
PUMP OFF - ELEVATION 63.83
LOW WATER - ELEVATION 63.67

ORENCO AX-100 TREATMENT SYSTEM DATA REVIEWED AND PROVIDED BY ATLANTIC SOLUTIONS
(CONTROL PANEL - TIME DOSED)

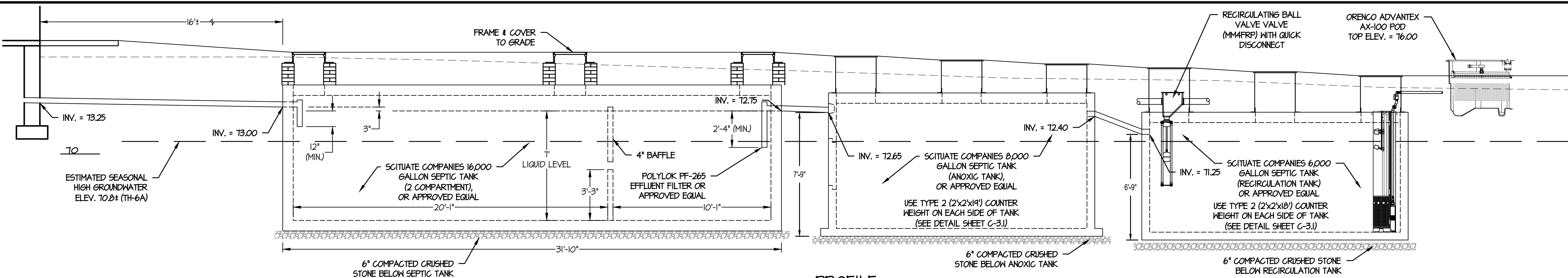
GRAVEL SAND TREATMENT (GST) SYSTEM DATA REVIEWED BY GEOMATRIX SYSTEMS LLC.

STATE OF RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
DIVISION OF PLANNING AND DEVELOPMENT

DEMOLITION AND REBUILD OF BATHHOUSES
BURLINGAME STATE PARK AND CAMPGROUND
CHARLESTOWN, RHODE ISLAND

MAIN CAMP BATHHOUSE - OWTS DETAILS

Dwg: Scale: 1" = 20'
Contract No. x Date: OCTOBER 6, 2023 C-2.5
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VOLUMES

TOP SLAB: 11.83' WIDE X 5.83' LONG X 0.67' THICK = 46.03 C.F. (CUBIC FOOT)
 SIDES: 2 SIDES X 10.00' LONG X 8.00' HIGH X 0.67' THICK = 106.67 C.F.
 BOTTOM: 11.83' WIDE X 5.83' LONG X 0.67' THICK = 46.03 C.F.
 Baffle: 12.00' LONG X 1.25' HIGH X 0.25' THICK = 3.75 C.F.
 TOTAL VOLUME OF CONCRETE FOR TANK = 206.51 C.F.
 EARTH: 11.83' WIDE X 5.83' LONG X 2.00' THICK = 142.12 C.F.
 TOTAL = 348.63 C.F.

CONSTANTS (HEIGHTS)

CONCRETE: 150 POUNDS/C.F.
 EARTH: 100 POUNDS/C.F.
 WATER: 62.4 POUNDS/C.F.
 TOTAL HEIGHT: N/A

HEIGHT OF TANK IN PLACE

CONCRETE: 448.42 C.F. X 150 POUNDS/C.F. = 67,263 POUNDS (EMPTY TANK)
 EARTH: 750.00 C.F. X 100 POUNDS/C.F. = 75,000 POUNDS (EARTH COVER)
 TOTAL HEIGHT OF TANK SET IN PLACE = 142,263 POUNDS (EMPTY)

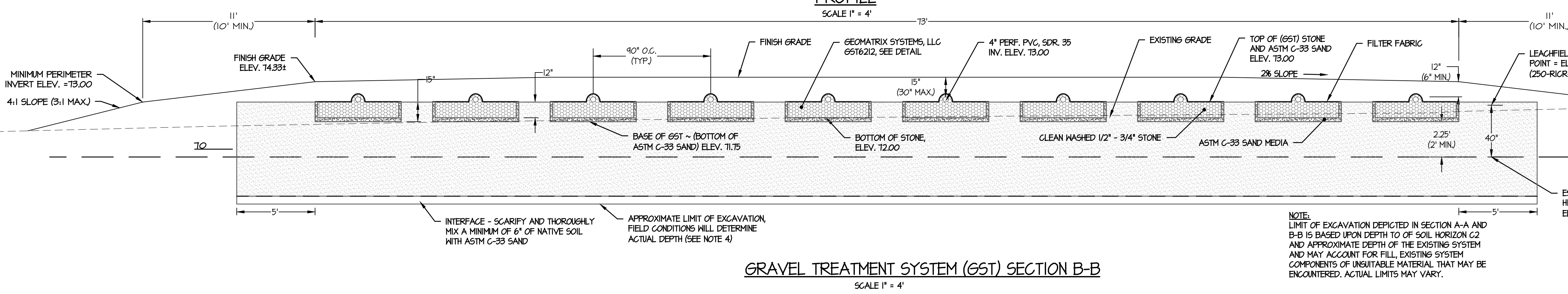
DETERMINE BUOYANCY POINT FOR EMPTY TANK PRIOR TO BACKFILL

BOTTOM SLAB AREA: 11.83' WIDE X 5.83' LONG = 69.07 S.F. (SQUARE FEET)
 TANK: 360.00 S.F. X BP X 62.4 POUNDS/C.F. = 44,256 POUNDS (EMPTY TANK)
 BP = 142,263 POUNDS ÷ 62.4 POUNDS/C.F. + 360.00 S.F.
 BP = 6.52' - 6'-4" (ELEV. 11.40)

DETERMINE BUOYANCY POINT FOR EMPTY TANK IN PLACE

BP = 217.25 POUNDS ÷ 62.4 POUNDS/C.F. + 360.00 S.F.
 BP = 6.45' - 6'-4" (ELEV. 11.44)

BUOYANCY CALCULATIONS FOR 16,000 GALLON SEPTIC TANK



VOLUMES

TOP SLAB: 10.00' WIDE X 17.00' LONG X 0.67' THICK = 113.33 C.F. (CUBIC FOOT)
 SIDES: 2 SIDES X 4.00' LONG X 8.50' HIGH X 0.50' THICK = 16.50 C.F.
 BOTTOM: 10.00' WIDE X 17.00' LONG X 0.50' THICK = 85.00 C.F.
 TOTAL VOLUME OF CONCRETE FOR TANK = 214.83 C.F.
 EARTH: 10.00' WIDE X 17.00' LONG X 2.39' THICK = 396.10 C.F.
 TOTAL = 610.93 C.F.

CONSTANTS (HEIGHTS)

CONCRETE: 150 POUNDS/C.F.
 EARTH: 100 POUNDS/C.F.
 WATER: 62.4 POUNDS/C.F.
 TOTAL HEIGHT: 1835.4 POUNDS (TYPE 2 - SEE SCHEDULE SHEET C-3)

HEIGHT OF TANK

CONCRETE: 433.33 C.F. X 150 POUNDS/C.F. = 65,000 POUNDS (EMPTY TANK)
 EARTH: 396.10 C.F. X 100 POUNDS/C.F. = 39,610 POUNDS (EARTH COVER)
 TOTAL HEIGHT OF TANK SET IN PLACE = 104,610 POUNDS (EMPTY)

DETERMINE BUOYANCY POINT FOR EMPTY TANK PRIOR TO BACKFILL

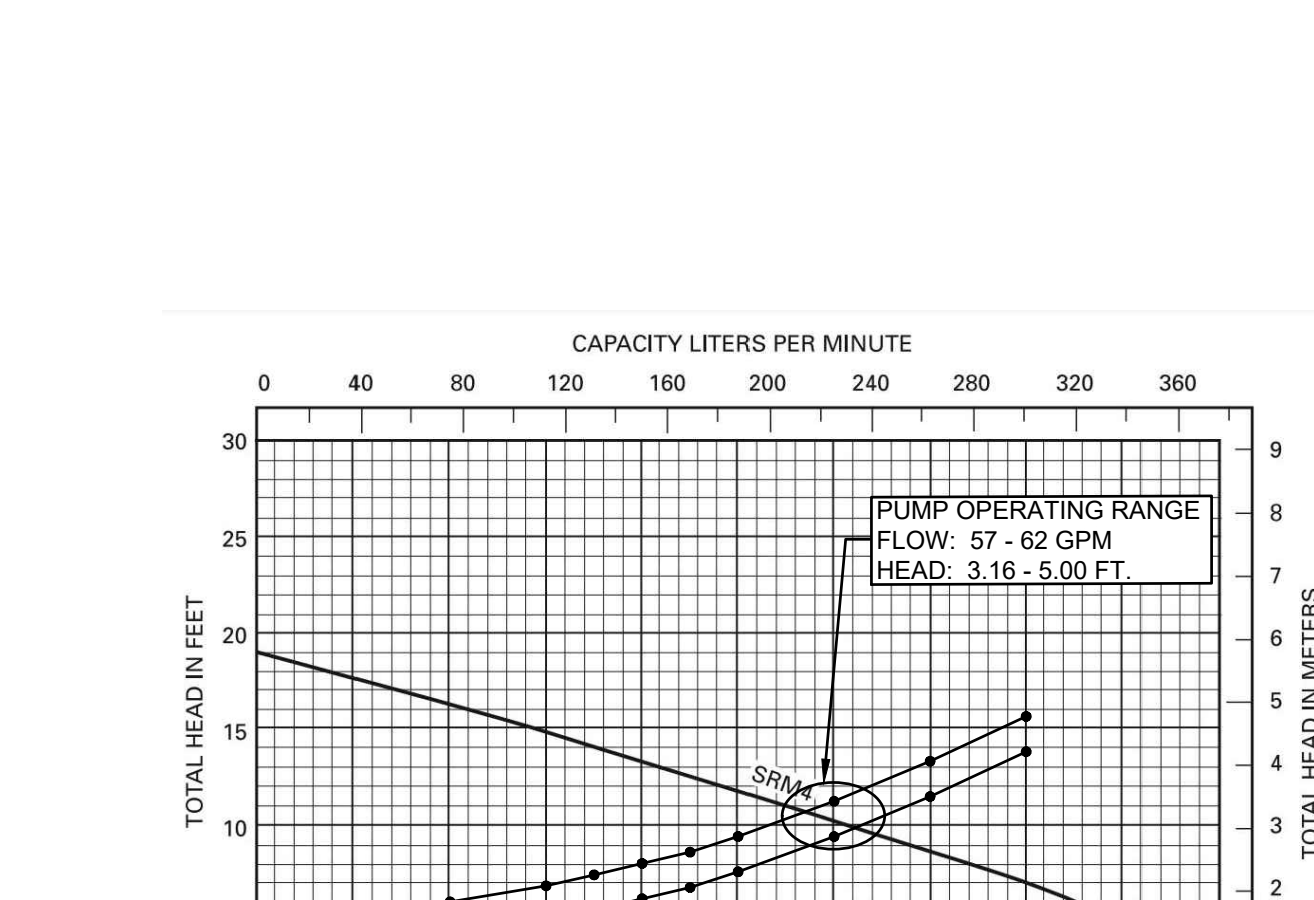
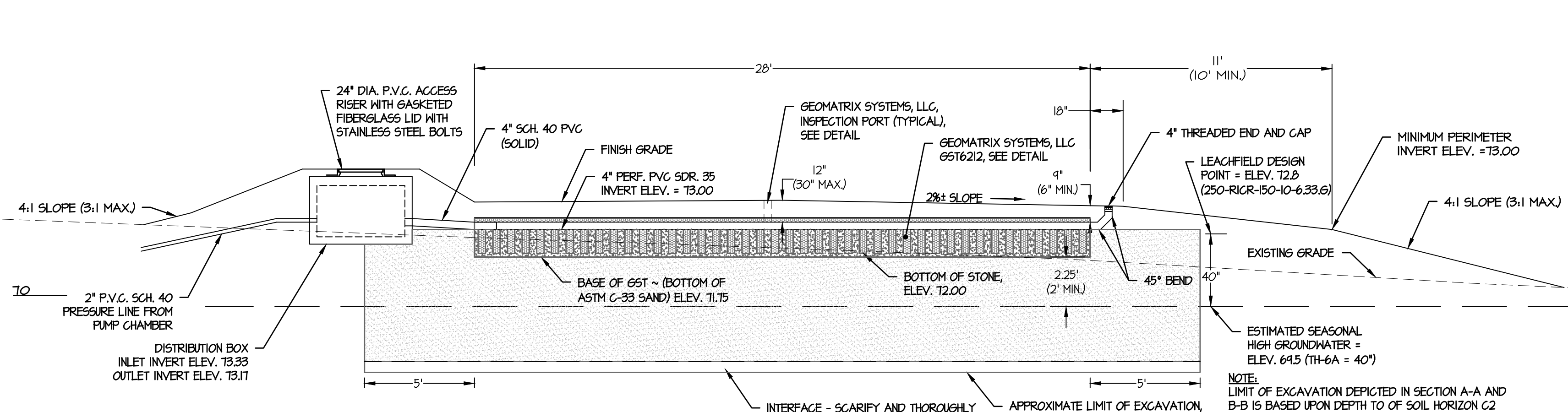
BOTTOM SLAB AREA: 10.00' WIDE X 17.00' LONG = 170.00 S.F. (SQUARE FEET)
 TANK: 180.00 S.F. X BP X 62.4 POUNDS/C.F. = 49,200 POUNDS (EMPTY TANK)
 BP = 49,200 POUNDS ÷ 62.4 POUNDS/C.F. + 170.00 S.F.
 BP = 5.26' - 5'-3" (ELEV. 10.16 - EMPTY TANK IS BUOYANT)

DETERMINE BUOYANCY POINT FOR EMPTY TANK IN PLACE

BP = 117.25 POUNDS ÷ 62.4 POUNDS/C.F. + 170.00 S.F.
 BP = 5.34' - 5'-4" (ELEV. 10.44)

BUOYANCY CALCULATIONS FOR 8,000 ANOXIC TANK

MUST SET IN DRY CONDITIONS



VOLUMES

TOP SLAB: 10.00' WIDE X 17.00' LONG X 0.67' THICK = 113.33 C.F. (CUBIC FOOT)
 SIDES: 2 SIDES X 4.00' LONG X 10.00' HIGH X 0.50' THICK = 63.00 C.F.
 BOTTOM: 10.00' WIDE X 17.00' LONG X 0.50' THICK = 85.00 C.F.
 TOTAL VOLUME OF CONCRETE FOR TANK = 261.33 C.F.
 EARTH: 10.00' WIDE X 17.00' LONG X 2.39' THICK = 396.10 C.F.
 TOTAL = 657.43 C.F.

CONSTANTS (HEIGHTS)

CONCRETE: 150 POUNDS/C.F.
 EARTH: 100 POUNDS/C.F.
 WATER: 62.4 POUNDS/C.F.
 TOTAL HEIGHT: 1835.4 POUNDS (TYPE 2 - SEE SCHEDULE SHEET C-3)

HEIGHT OF TANK AND EARTH COVER

CONCRETE: 300.33 C.F. X 150 POUNDS/C.F. = 45,050 POUNDS (EMPTY TANK)
 EARTH: 456.60 C.F. X 100 POUNDS/C.F. = 45,660 POUNDS (EARTH COVER)
 TOTAL HEIGHT OF TANK SET IN PLACE = 90,710 POUNDS (EMPTY)

DETERMINE BUOYANCY POINT FOR EMPTY TANK PRIOR TO BACKFILL

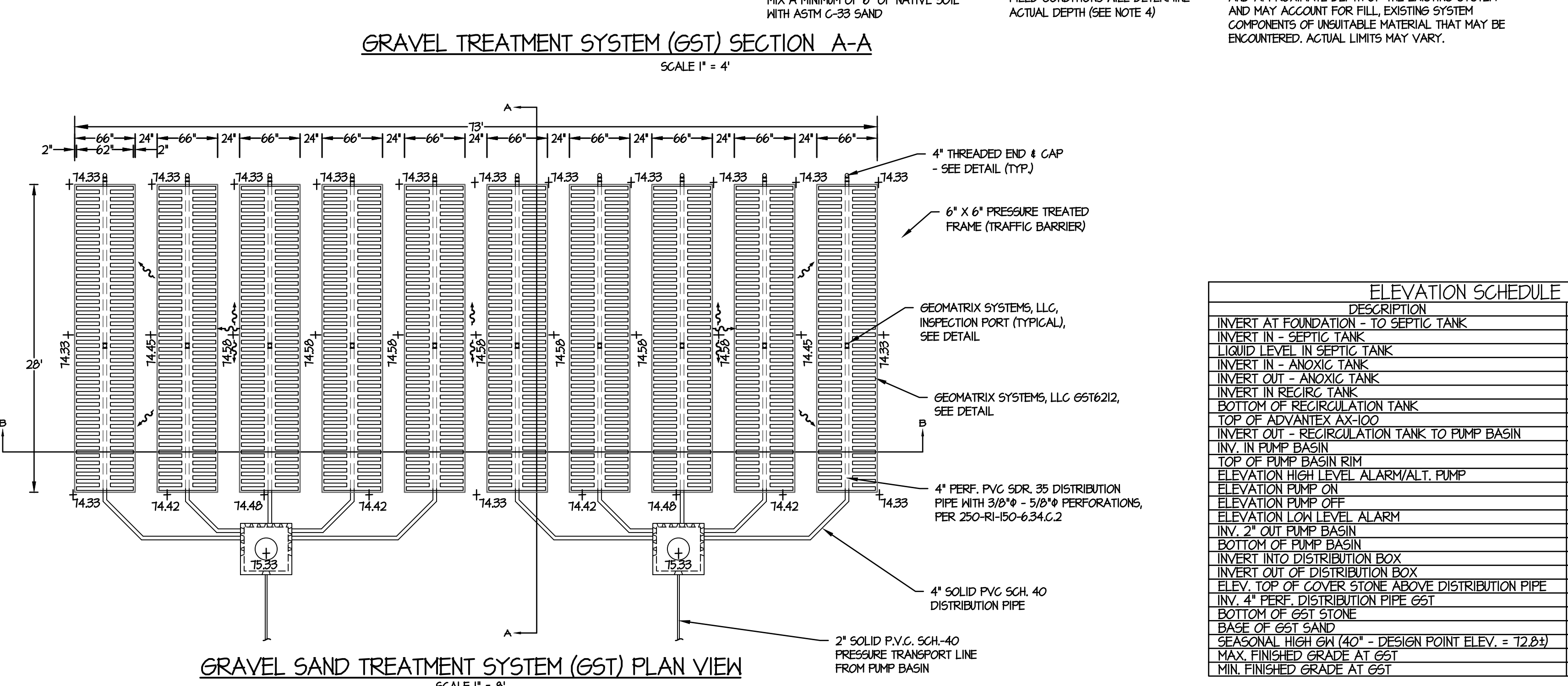
BOTTOM SLAB AREA: 10.00' WIDE X 17.00' LONG = 170.00 S.F. (SQUARE FEET)
 TANK: 170.00 S.F. X BP X 62.4 POUNDS/C.F. = 51,000 POUNDS (EMPTY TANK)
 BP = 51,000 POUNDS ÷ 62.4 POUNDS/C.F. + 170.00 S.F.
 BP = 5.31' - 5'-3" (ELEV. 6.40) - EMPTY TANK IS BUOYANT

DETERMINE BUOYANCY POINT FOR EMPTY TANK IN PLACE

BP = 185.24 POUNDS ÷ 62.4 POUNDS/C.F. + 170.00 S.F.
 BP = 5.10' - 5'-1" (ELEV. 6.10)

BUOYANCY CALCULATIONS FOR 6,000 RECIRCULATION TANK

MUST SET IN DRY CONDITIONS



ELEVATION SCHEDULE

DESCRIPTION	ELEVATION
INVERT AT FOUNDATION - TO SEPTIC TANK	13.25
INVERT IN - SEPTIC TANK	13.00
LIQUID LEVEL IN SEPTIC TANK	12.75
INVERT IN - ANOXIC TANK	12.65
INVERT OUT - ANOXIC TANK	12.40
INVERT IN RECIRC TANK	12.25
ELEVATION PUMP ON	12.15
TOP OF ADVANTECH AX-100	16.00
INVERT OUT - RECIRCULATION TANK TO PUMP BASIN	13.11
INV. IN PUMP BASIN	11.50
TOP OF PUMP BASIN RIM	14.00
ELEVATION HIGH LEVEL ALARM/ALT. PUMP	10.33
ELEVATION PUMP ON	10.11
ELEVATION PUMP OFF	68.33
ELEVATION LOW LEVEL ALARM	68.11
INV. 2" OUT PUMP BASIN	11.00
BOTTOM OF PUMP BASIN	65.00
INVERT INTO DISTRIBUTION BOX	13.33
INVERT OUT OF DISTRIBUTION BOX	13.11
ELEV. TOP OF COVER STONE ABOVE DISTRIBUTION PIPE	13.50
INV. 4" PERF. DISTRIBUTION PIPE GST	13.00
BOTTOM OF GST STONE	12.00
BASE OF GST SAND	11.75
SEASONAL HIGH GN (40" - DESIGN POINT ELEV. = 12.25)	64.5 (TH-6A)
MAX FINISHED GRADE AT GST	15.25
MIN FINISHED GRADE AT GST	13.25

AREAS

TOP: 17.0' X 17.0' = 44.89 S.F. (17' X 12.5' = 41.25 S.F.) = 44.01 S.F. (SQUARE FEET)

VOLUMES

TOP SLAB: 44.01 S.F. X 0.50' THICK = 22.00 C.F. (CUBIC FOOT)
 SIDES: 2 SIDES X 17.0' LONG X 7.0' HIGH X 0.50' THICK = 44.00 C.F.
 BOTTOM: 17.00 WIDE X 17.00' LONG X 0.50' THICK = 44.00 C.F.
 TOTAL VOLUME OF CONCRETE FOR TANK = 110.00 C.F.
 EARTH: 44.01 S.F. X 1.00' THICK = 44.01 C.F.
 TOTAL = 154.01 C.F.

CONSTANTS (HEIGHTS)

CONCRETE: 150 POUNDS/C.F.
 EARTH: 100 POUNDS/C.F.
 WATER: 62.4 POUNDS/C.F.
 TOTAL HEIGHT: N/A

HEIGHT OF TANK AND EARTH COVER

CONCRETE: 110.00 C.F. X 150 POUNDS/C.F. = 16,500 POUNDS (EMPTY TANK)
 EARTH: 44.01 C.F. X 100 POUNDS/C.F. = 4,401 POUNDS (EARTH COVER)
 TOTAL HEIGHT OF TANK SET IN PLACE = 20,901 POUNDS (EMPTY)

DETERMINE BUOYANCY POINT FOR EMPTY TANK PRIOR TO BACKFILL

BOTTOM SLAB AREA: 17.00' WIDE X 17.00' LONG = 289.00 S.F. (SQUARE FEET)
 TANK: 490.00 S.F. X BP X 62.4 POUNDS/C.F. = 20,901 POUNDS (EMPTY TANK)
 BP = 20,901 POUNDS ÷ 62.4 POUNDS/C.F. + 289.00 S.F.
 BP = 6.79' - 6'-9" (ELEV. 11.75)

DETERMINE BUOYANCY POINT FOR EMPTY TANK IN PLACE

BP = 25.42 POUNDS ÷ 62.4 POUNDS/C.F. + 289.00 S.F.
 BP = 6.41' - 6'-2" (ELEV. 11.31)

BUOYANCY CALCULATIONS FOR PUMP CHAMBER

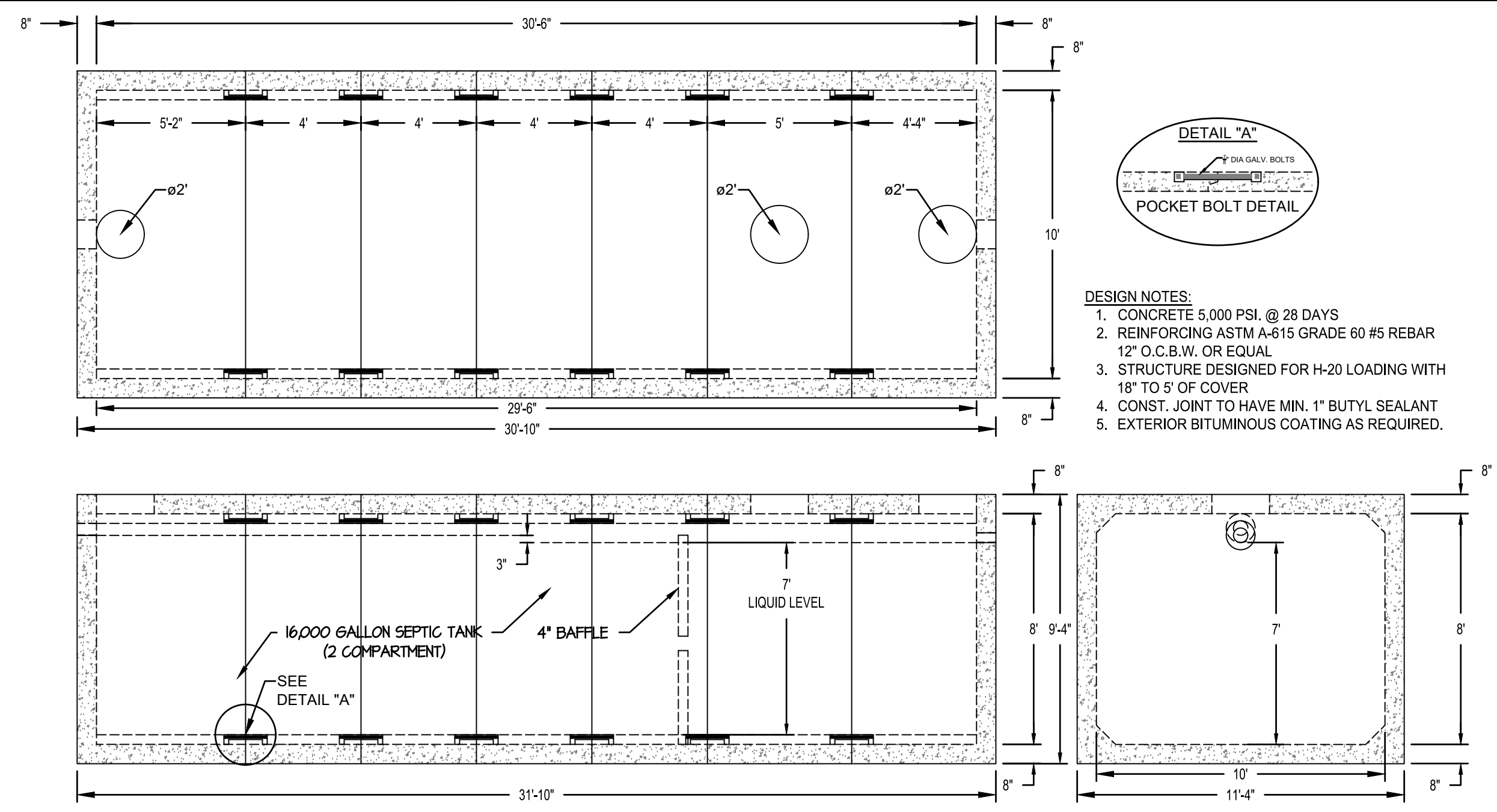
STATE OF RHODE ISLAND
 DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 DIVISION OF PLANNING AND DEVELOPMENT

DEMOLITION AND REBUILD OF BATHHOUSES
 BURLINGAME STATE PARK AND CAMPGROUND
 CHARLESTOWN, RHODE ISLAND

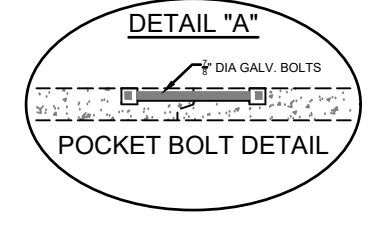
LEGION TOWN BATHHOUSE - OWTS DETAILS

Dwg: _____ Scale: 1" = 20'
 Contract No. x _____ Date: OCTOBER 6, 2023

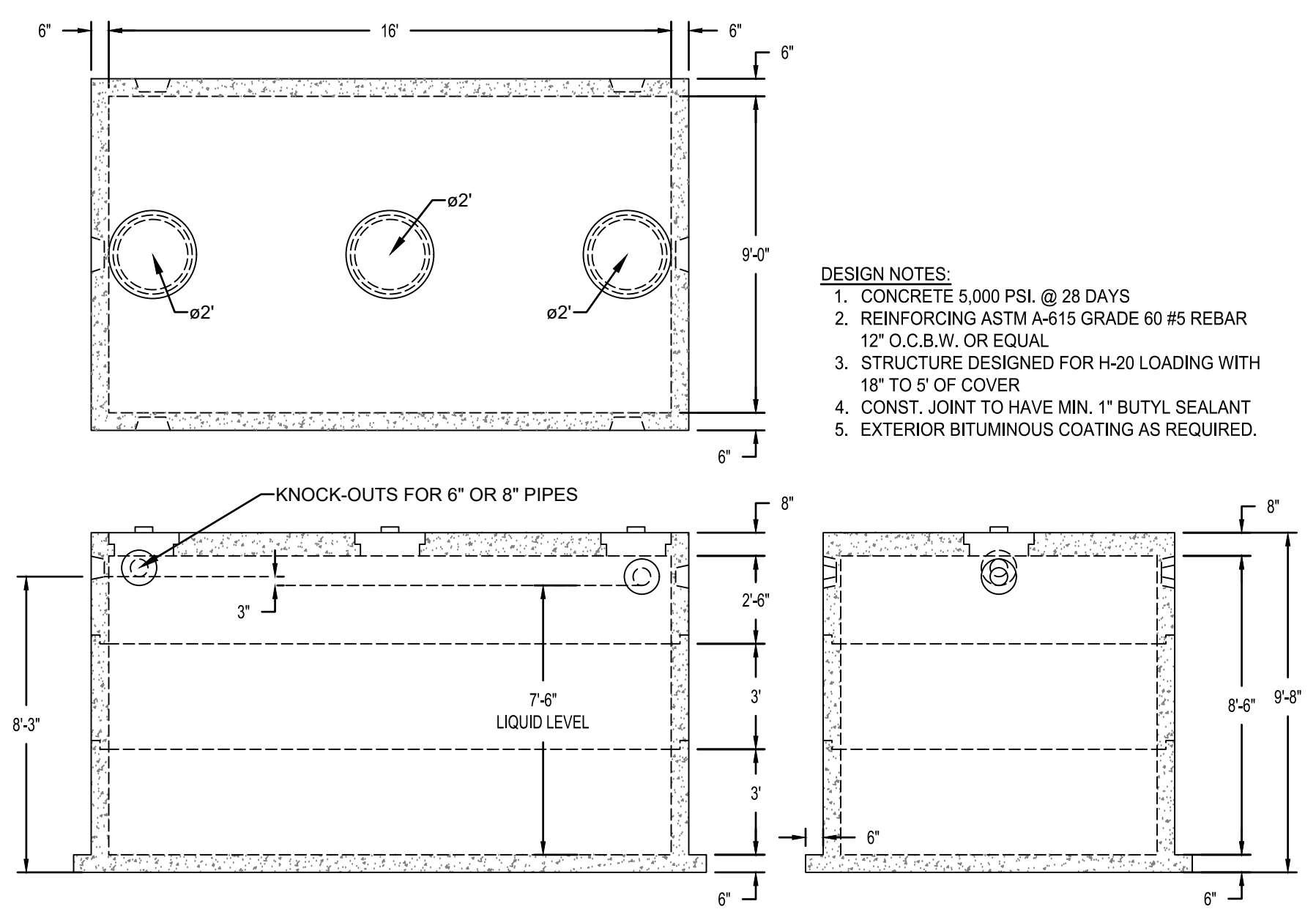
C-2.6
 20 OF 106



16,000 GALLON TWO COMPARTMENT H-20 TANK
SCALE 1" = 4"

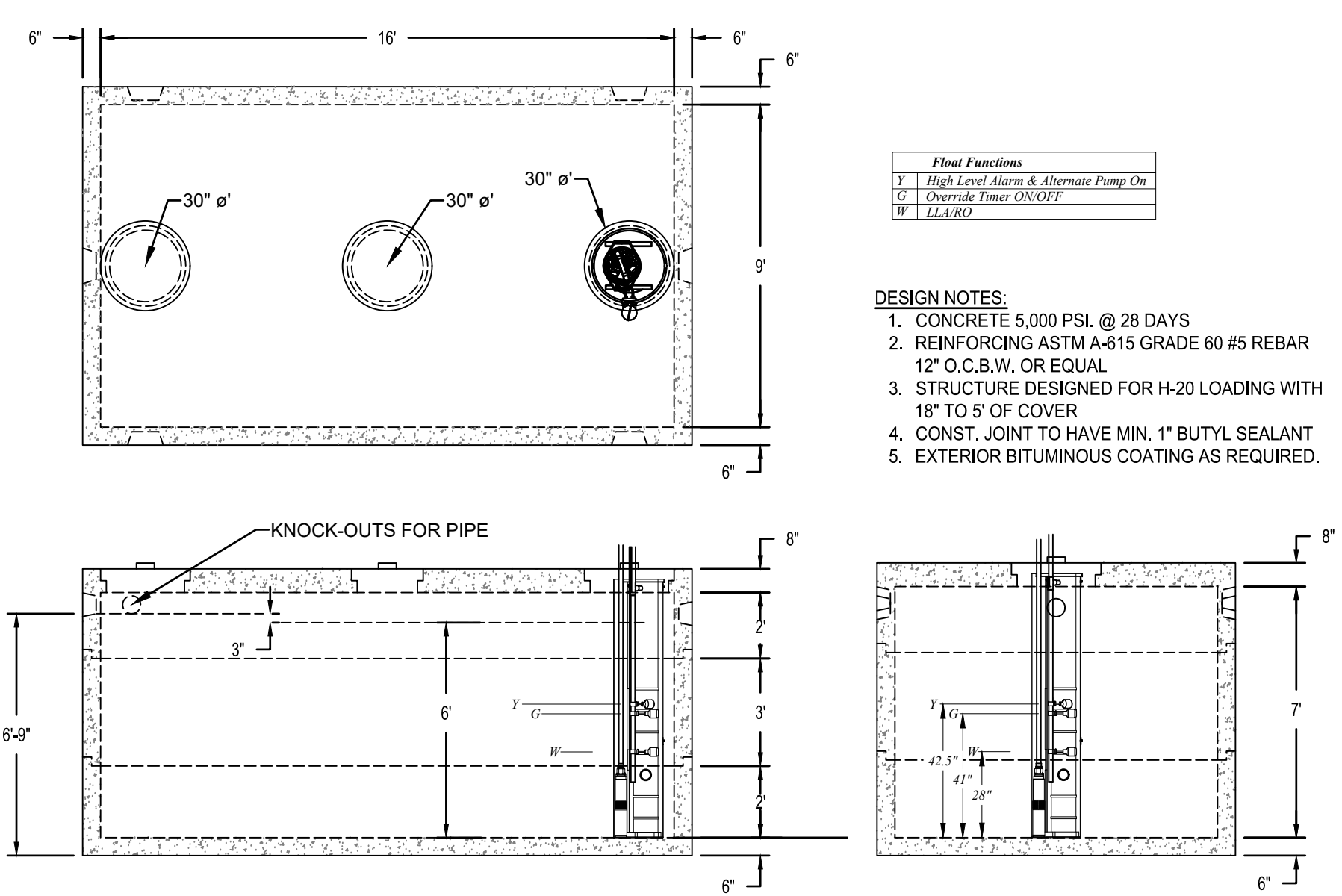


- DESIGN NOTES:**
1. CONCRETE 5,000 PSI. @ 28 DAYS
 2. REINFORCING ASTM A-615 GRADE 60 #5 REBAR 12" O.C.B.W. OR EQUAL
 3. STRUCTURE DESIGNED FOR H-20 LOADING WITH 18" TO 5' OF COVER
 4. CONST. JOINT TO HAVE MIN. 1" BUTYL SEALANT
 5. EXTERIOR BITUMINOUS COATING AS REQUIRED.



8,000 GALLON ANOXIC TANK
SCALE 1" = 4"

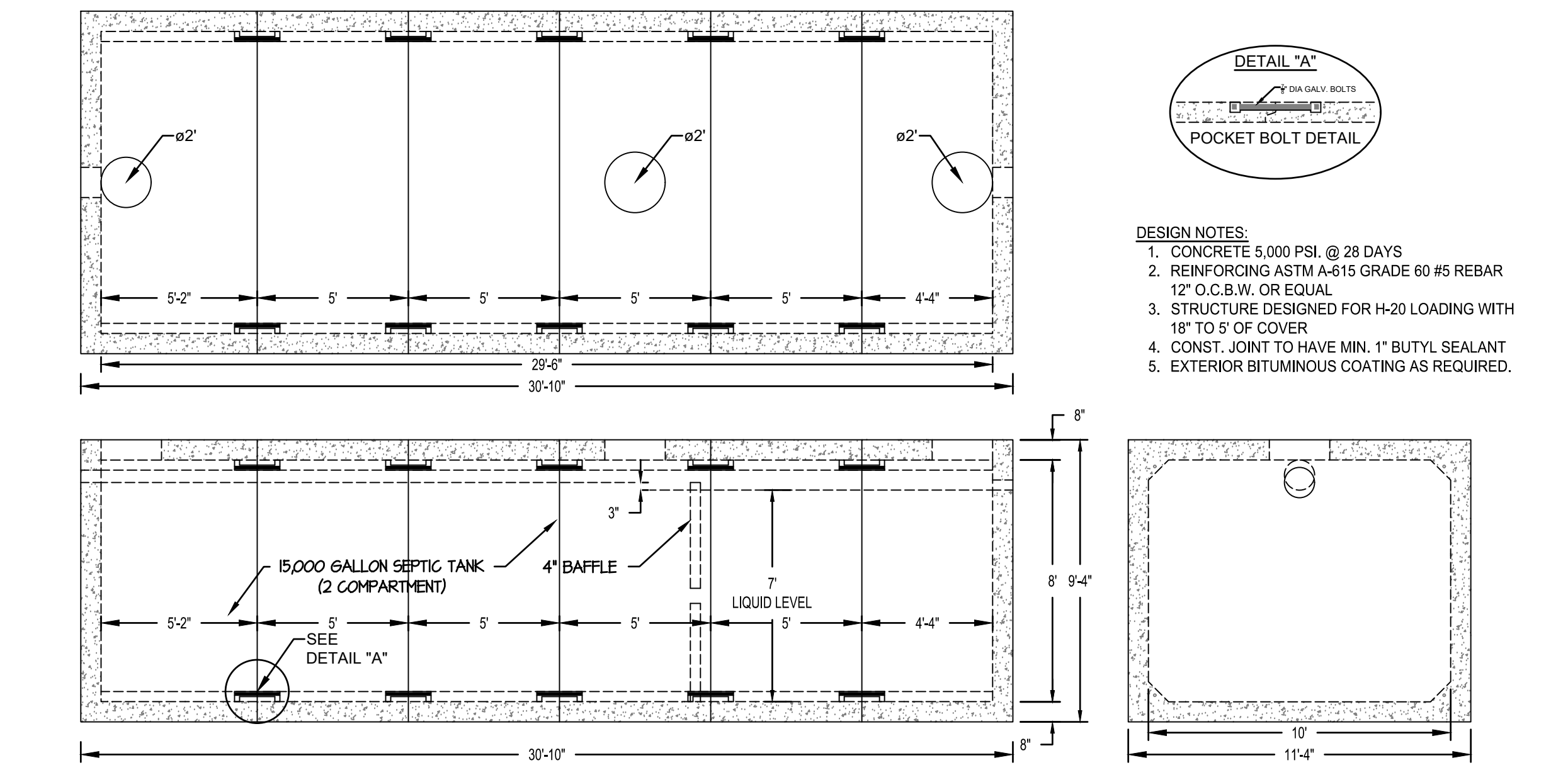
- DESIGN NOTES:**
1. CONCRETE 5,000 PSI. @ 28 DAYS
 2. REINFORCING ASTM A-615 GRADE 60 #5 REBAR 12" O.C.B.W. OR EQUAL
 3. STRUCTURE DESIGNED FOR H-20 LOADING WITH 18" TO 5' OF COVER
 4. CONST. JOINT TO HAVE MIN. 1" BUTYL SEALANT
 5. EXTERIOR BITUMINOUS COATING AS REQUIRED.



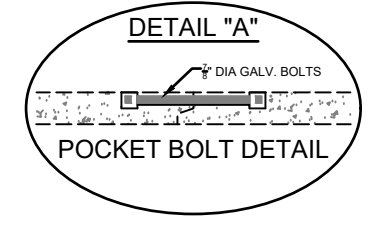
6,000 GALLON RECIRCULATION TANK
SCALE 1" = 4"

Float Functions	
Y	High Level Alarm & Alternate Pump On
G	Override Timer ON/OFF
W	LL/RO

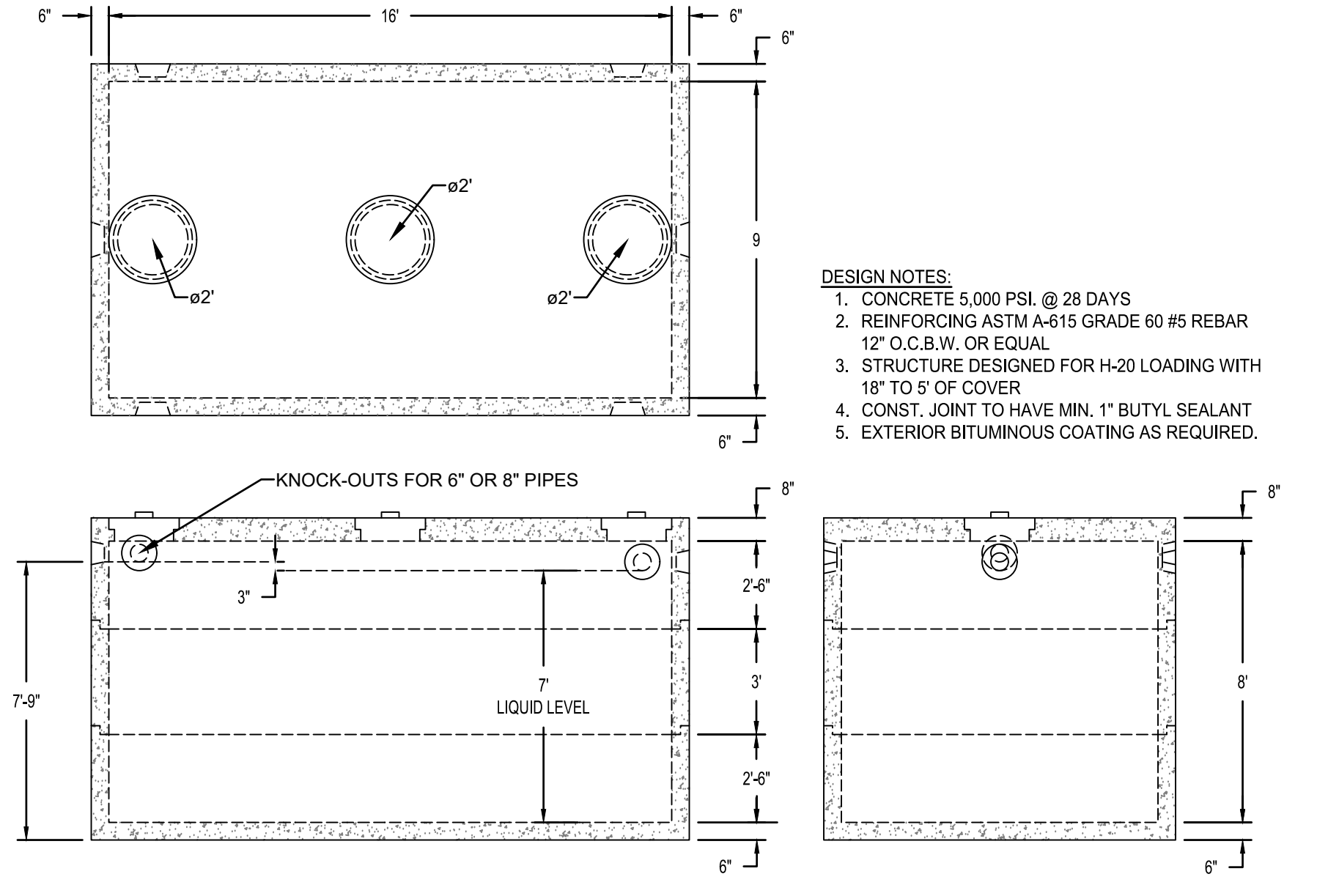
- DESIGN NOTES:**
1. CONCRETE 5,000 PSI. @ 28 DAYS
 2. REINFORCING ASTM A-615 GRADE 60 #5 REBAR 12" O.C.B.W. OR EQUAL
 3. STRUCTURE DESIGNED FOR H-20 LOADING WITH 18" TO 5' OF COVER
 4. CONST. JOINT TO HAVE MIN. 1" BUTYL SEALANT
 5. EXTERIOR BITUMINOUS COATING AS REQUIRED.



15,000 GALLON TWO COMPARTMENT SEPTIC TANK
SCALE 1" = 4"

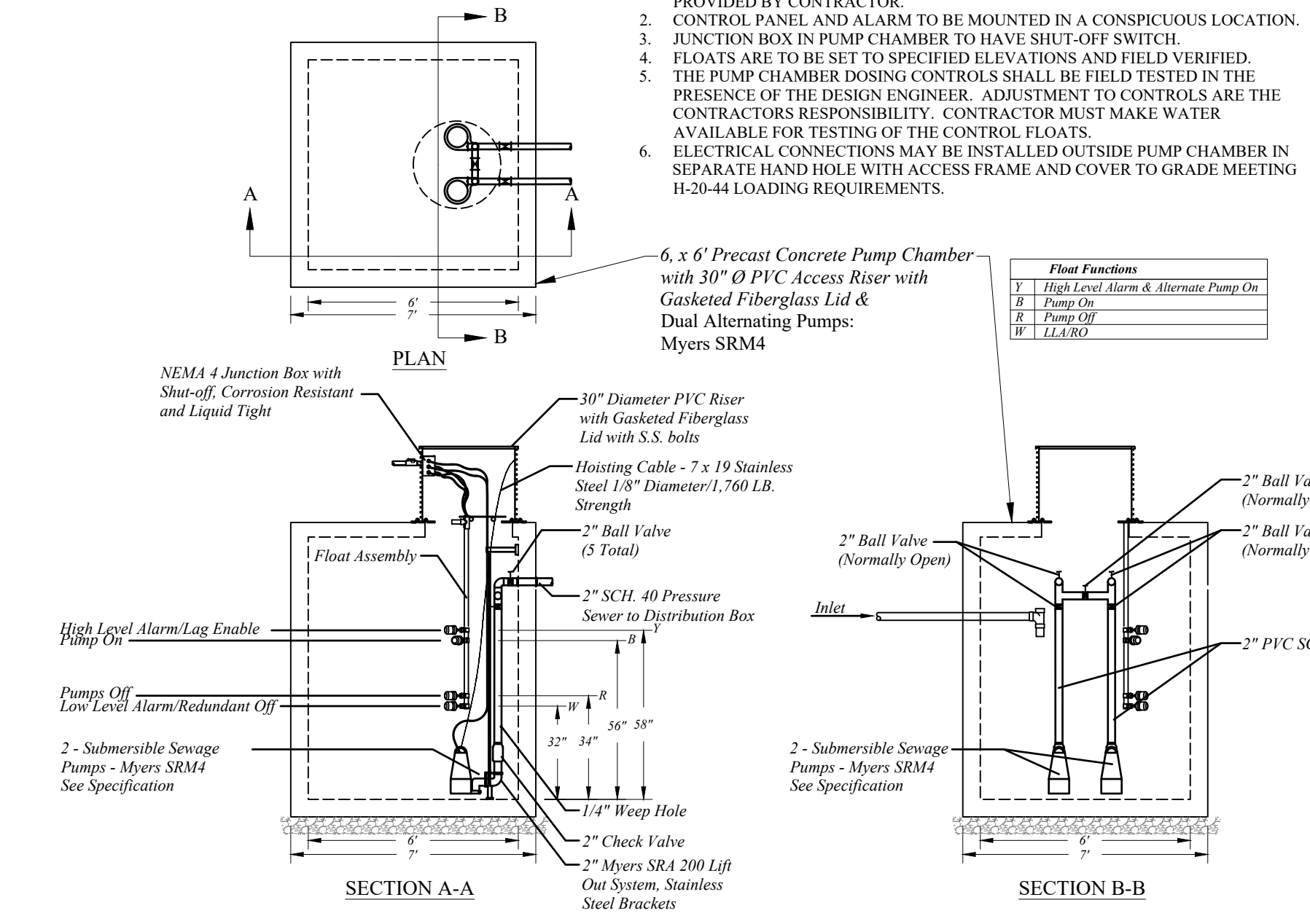


- DESIGN NOTES:**
1. CONCRETE 5,000 PSI. @ 28 DAYS
 2. REINFORCING ASTM A-615 GRADE 60 #5 REBAR 12" O.C.B.W. OR EQUAL
 3. STRUCTURE DESIGNED FOR H-20 LOADING WITH 18" TO 5' OF COVER
 4. CONST. JOINT TO HAVE MIN. 1" BUTYL SEALANT
 5. EXTERIOR BITUMINOUS COATING AS REQUIRED.



7,500 GALLON ANOXIC TANK
SCALE 1" = 4"

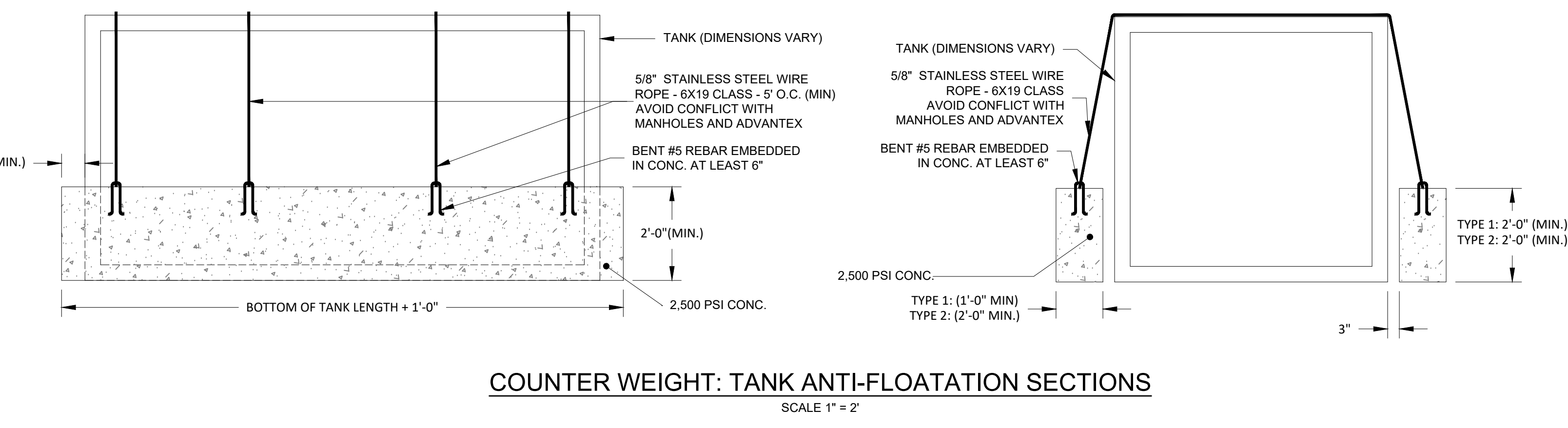
- DESIGN NOTES:**
1. CONCRETE 5,000 PSI. @ 28 DAYS
 2. REINFORCING ASTM A-615 GRADE 60 #5 REBAR 12" O.C.B.W. OR EQUAL
 3. STRUCTURE DESIGNED FOR H-20 LOADING WITH 18" TO 5' OF COVER
 4. CONST. JOINT TO HAVE MIN. 1" BUTYL SEALANT
 5. EXTERIOR BITUMINOUS COATING AS REQUIRED.



PUMP CHAMBER DETAIL
SCALE 1" = 4"

- PUMPING NOTES:**
1. EQUIPMENT FROM OTHER MANUFACTURER'S MAY BE USED IF EQUAL. APPROVAL FOR ALTERNATE EQUIPMENT REQUIRED BY ENGINEER PRIOR TO CONSTRUCTION. FULL SPECIFICATIONS FOR ALTERNATE EQUIPMENT MUST BE PROVIDED BY CONTRACTOR.
 2. CONTROL PANEL AND ALARM TO BE MOUNTED IN A CONSPICUOUS LOCATION.
 3. JUNCTION BOX IN PUMP CHAMBER TO HAVE SHUT-OFF SWITCH.
 4. FLOATS ARE TO BE SET TO SPECIFIED ELEVATIONS AND FIELD VERIFIED.
 5. THE PUMP CHAMBER DOSING CONTROLS SHALL BE FIELD TESTED IN THE PRESENCE OF THE DESIGN ENGINEER. ADJUSTMENT TO CONTROLS ARE THE CONTRACTOR'S RESPONSIBILITY. CONTRACTOR MUST MAKE WATER AVAILABLE FOR TESTING OF THE CONTROL FLOATS.
 6. ELECTRICAL CONNECTIONS MAY BE INSTALLED OUTSIDE PUMP CHAMBER IN SEPARATE HAND HOLE WITH ACCESS FRAME AND COVER TO GRADE MEETING H-20-44 LOADING REQUIREMENTS.

Float Functions	
Y	High Level Alarm & Alternate Pump On
P	Pump On
R	Pump Off
W	LL/RO



COUNTER WEIGHT: TANK ANTI-FLOATATION SECTIONS
SCALE 1" = 2"

ANTI-FLOATATION AREA

16,000 GALLON TANK (TYPE 1):	2 SIDES x 32.83' LONG x 1.00' WIDE	= 65.66 S.F.
15,000 GALLON TANK (TYPE 1):	2 SIDES x 31.83' LONG x 1.00' WIDE	= 63.66 S.F.
15,000 GALLON TANK (TYPE 2):	2 SIDES x 31.83' LONG x 2.00' WIDE	= 127.32 S.F.
8,000 GALLON TANK (TYPE 1):	2 SIDES x 19.00' LONG x 1.00' WIDE	= 38 S.F.
8,000 GALLON TANK (TYPE 2):	2 SIDES x 19.00' LONG x 2.00' WIDE	= 76 S.F.
7,500 GALLON TANK (TYPE 1):	2 SIDES x 18.00' LONG x 1.00' WIDE	= 36 S.F.
7,500 GALLON TANK (TYPE 2):	2 SIDES x 18.00' LONG x 2.00' WIDE	= 72 S.F.
6,000 GALLON TANK (TYPE 1):	2 SIDES x 18.00' LONG x 1.00' WIDE	= 36 S.F.
6,000 GALLON TANK (TYPE 2):	2 SIDES x 18.00' LONG x 2.00' WIDE	= 72 S.F.
PUMP CHAMBER (TYPE 1):	2 SIDES x 8.00' LONG x 1.00' WIDE	= 16 S.F.
PUMP CHAMBER (TYPE 2):	2 SIDES x 8.00' LONG x 2.00' WIDE	= 32 S.F.

ANTI-FLOATATION VOLUMES

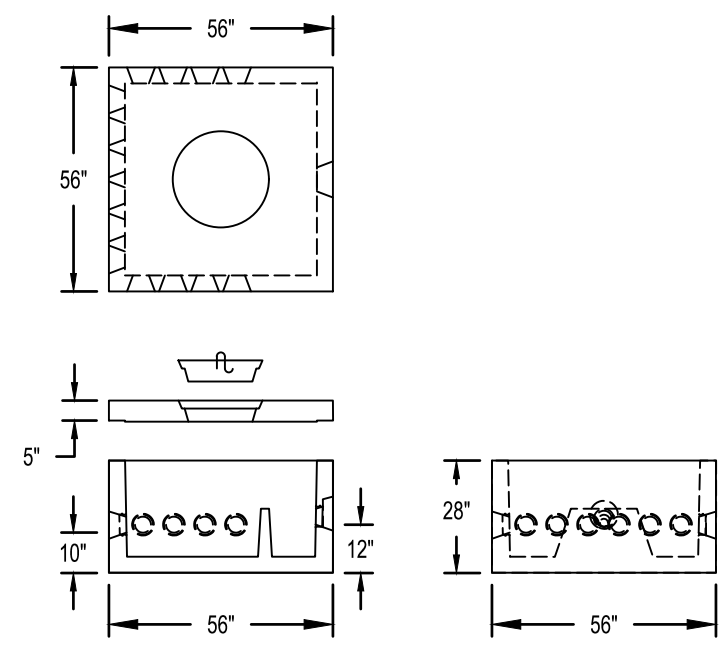
16,000 GALLON TANK (TYPE 1):	65.66 S.F. x 2.00' HIGH	= 131.32 C.F.
15,000 GALLON TANK (TYPE 1):	63.66 S.F. x 2.00' HIGH	= 127.32 C.F.
15,000 GALLON TANK (TYPE 2):	127.32 S.F. x 2.00' HIGH	= 254.64 C.F.
8,000 GALLON TANK (TYPE 1):	38 S.F. x 2.00' HIGH	= 76 C.F.
8,000 GALLON TANK (TYPE 2):	76 S.F. x 2.00' HIGH	= 152 C.F.
7,500 GALLON TANK (TYPE 1):	36 S.F. x 2.00' HIGH	= 72 C.F.
7,500 GALLON TANK (TYPE 2):	72 S.F. x 2.00' HIGH	= 144 C.F.
6,000 GALLON TANK (TYPE 1):	36 S.F. x 2.00' HIGH	= 72 C.F.
6,000 GALLON TANK (TYPE 2):	72 S.F. x 2.00' HIGH	= 144 C.F.
PUMP CHAMBER (TYPE 1):	16 S.F. x 2.00' HIGH	= 32 C.F.
PUMP CHAMBER (TYPE 2):	32 S.F. x 2.00' HIGH	= 64 C.F.

CONSTANTS (WEIGHTS)

CONCRETE:	150 POUNDS/C.F.
WATER:	62.4 POUNDS/C.F.
SUBMERGED CONCRETE:	87.6 POUNDS/C.F.

WEIGHT OF ANTI-FLOATATION IN PLACE

16,000 GALLON TANK (TYPE 1):	131.32 C.F. x 87.6 POUNDS/C.F.	= 11,503.6 POUNDS
15,000 GALLON TANK (TYPE 1):	127.32 C.F. x 87.6 POUNDS/C.F.	= 11,153.2 POUNDS
15,000 GALLON TANK (TYPE 2):	254.64 C.F. x 87.6 POUNDS/C.F.	= 22,306.5 POUNDS
8,000 GALLON TANK (TYPE 1):	76 C.F. x 87.6 POUNDS/C.F.	= 6,657.6 POUNDS
8,000 GALLON TANK (TYPE 2):	152 C.F. x 87.6 POUNDS/C.F.	= 13,315.2 POUNDS
7,500 GALLON TANK (TYPE 1):	72 C.F. x 87.6 POUNDS/C.F.	= 6,307.2 POUNDS
7,500 GALLON TANK (TYPE 2):	144 C.F. x 87.6 POUNDS/C.F.	= 12,614.4 POUNDS
6,000 GALLON TANK (TYPE 1):	72 C.F. x 87.6 POUNDS/C.F.	= 6,307.2 POUNDS
6,000 GALLON TANK (TYPE 2):	144 C.F. x 87.6 POUNDS/C.F.	= 12,614.4 POUNDS
PUMP CHAMBER (TYPE 1):	32 C.F. x 87.6 POUNDS/C.F.	= 2,803.2 POUNDS
PUMP CHAMBER (TYPE 2):	64 C.F. x 87.6 POUNDS/C.F.	= 5,606.4 POUNDS



DISTRIBUTION BOX WITH 14 OUTLETS
SCALE 1" = 4"

STATE OF RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
DIVISION OF PLANNING AND DEVELOPMENT

DEMOLITION AND REBUILD OF BATHHOUSES
BURLINGAME STATE PARK AND CAMPGROUND
CHARLESTOWN, RHODE ISLAND

OWTS PRECAST STRUCTURES DETAILS

Dwg: _____ Scale: 1" = 20'
Contract No. x _____ Date: OCTOBER 6, 2023
C-3.1
21 OF 106

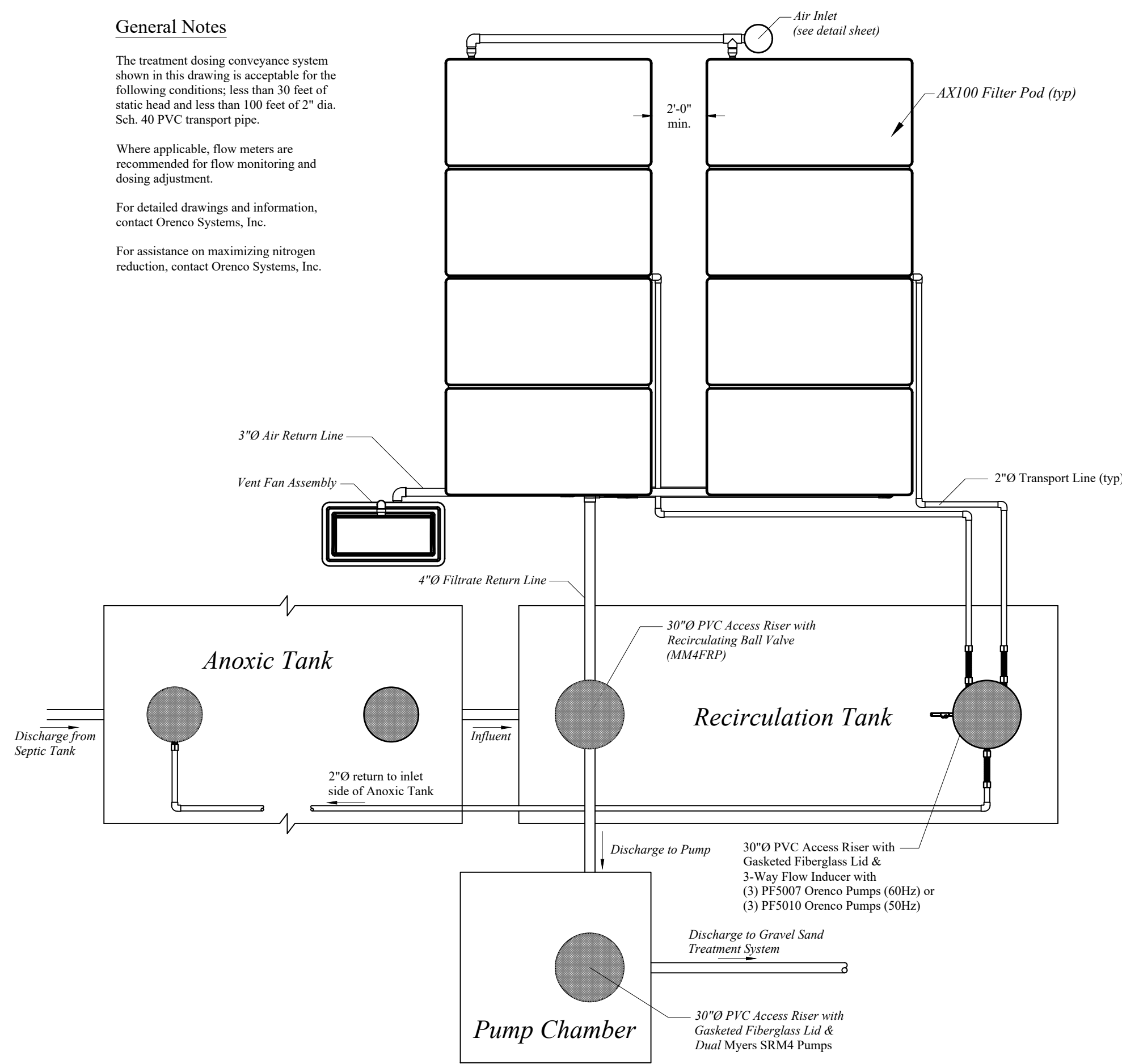
General Notes

The treatment dosing conveyance system shown in this drawing is acceptable for the following conditions: less than 30 feet of static head and less than 100 feet of 2" dia. Sch. 40 PVC transport pipe.

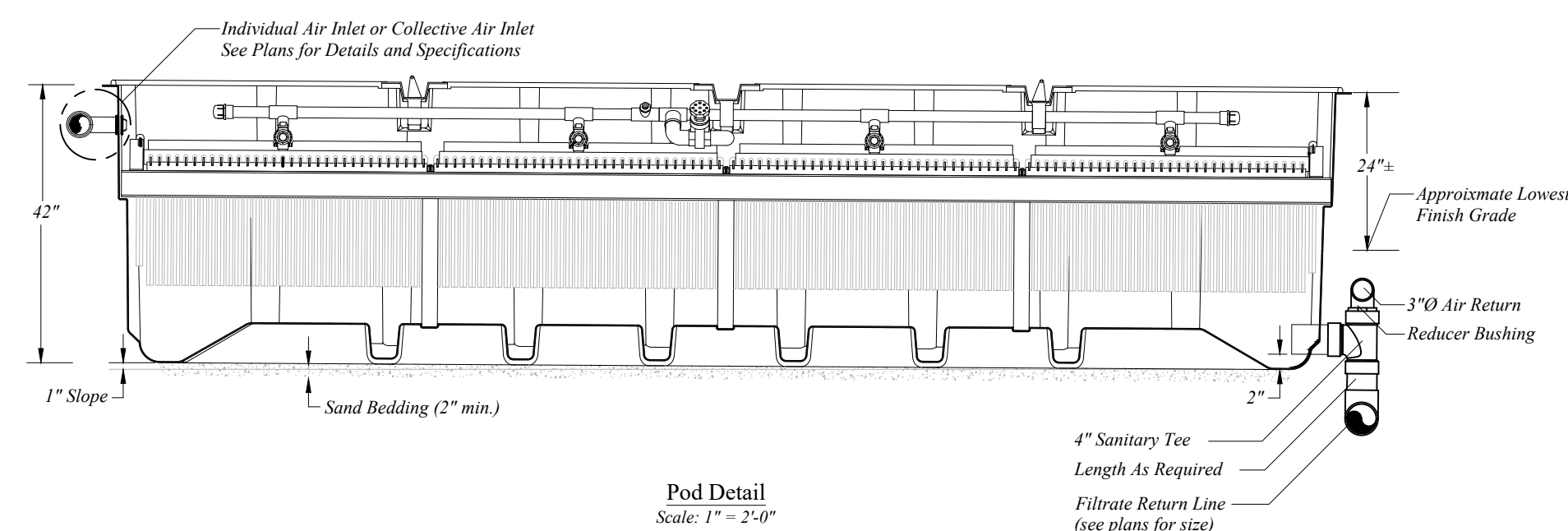
Where applicable, flow meters are recommended for flow monitoring and dosing adjustment.

For detailed drawings and information, contact Orenco Systems, Inc.

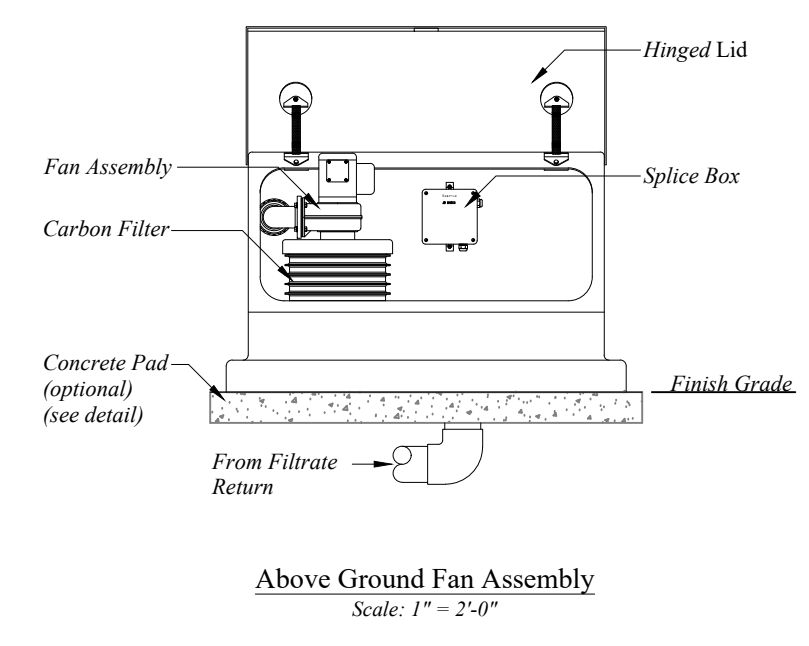
For assistance on maximizing nitrogen reduction, contact Orenco Systems, Inc.



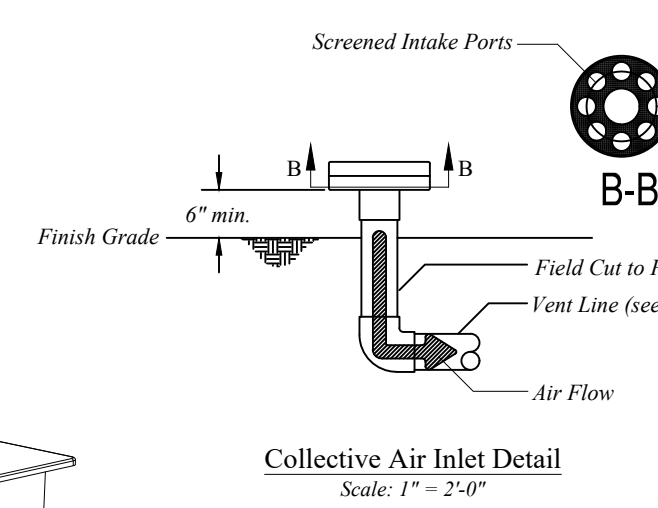
**AdvanTex AX100 SYSTEM - MANIFOLDED VENT INLET
2 POD CONFIGURATION**
SCALE 1" = 4'



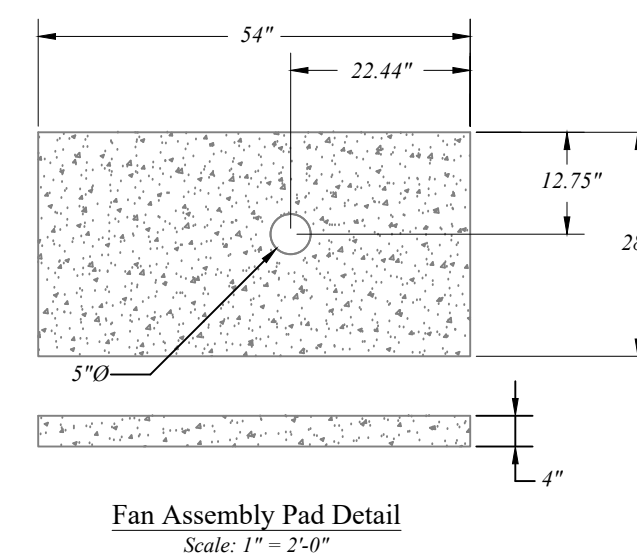
Pod Detail
Scale: 1" = 2'-0"



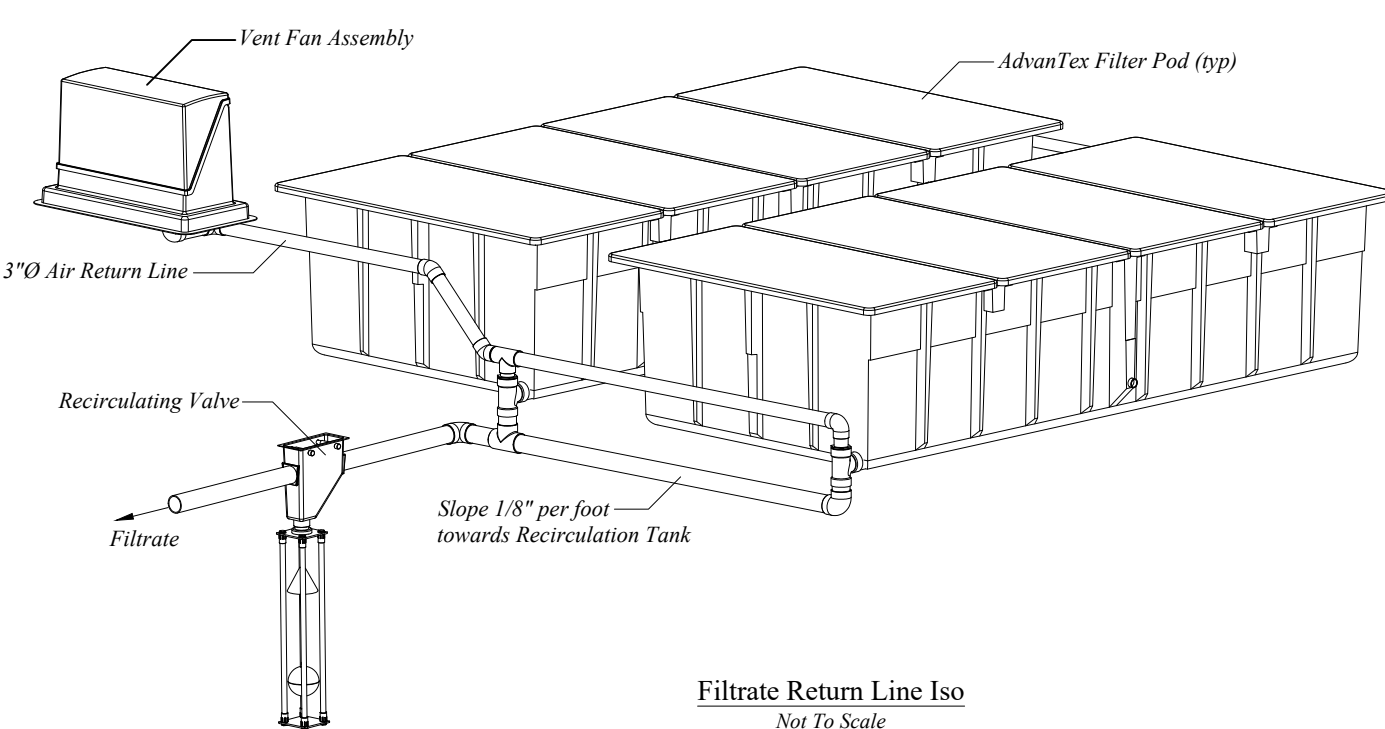
Above Ground Fan Assembly
Scale: 1" = 2'-0"



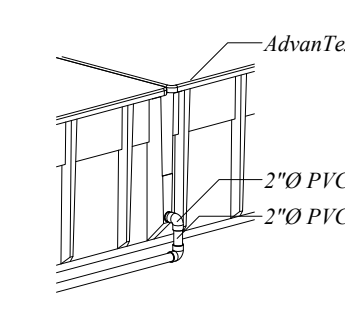
Collective Air Inlet Detail
Scale: 1" = 2'-0"



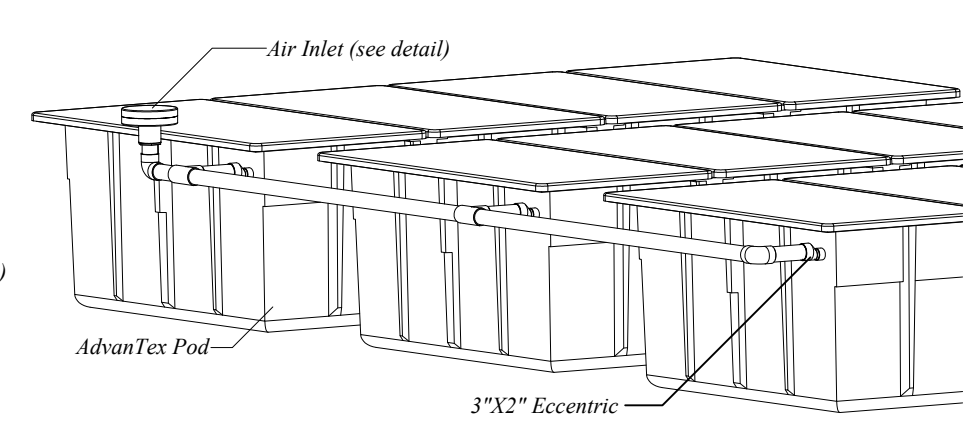
Fan Assembly Pad Detail
Scale: 1" = 2'-0"



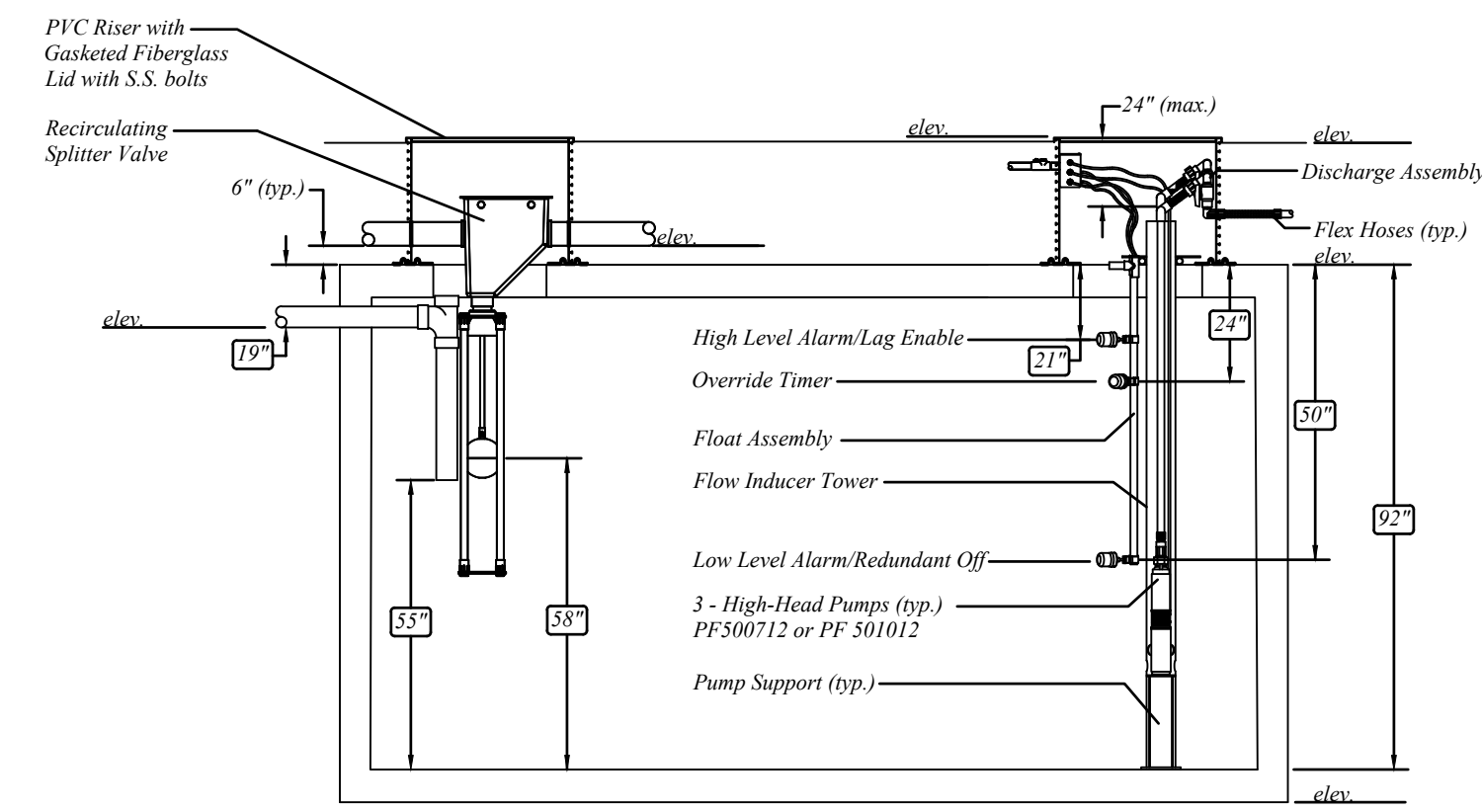
Filtrate Return Line Iso
Not To Scale



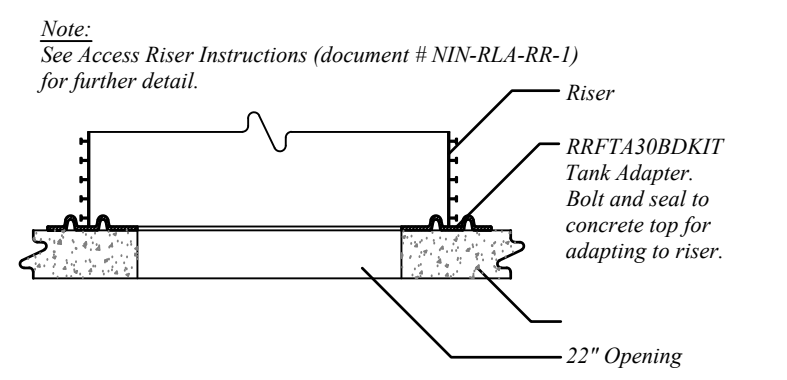
Typical Pod Inlet Connection
Not To Scale



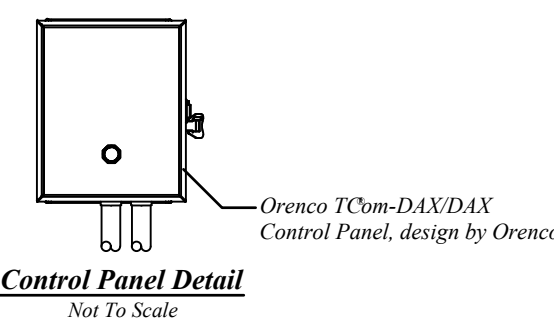
Collective Air Inlet Option
Not To Scale



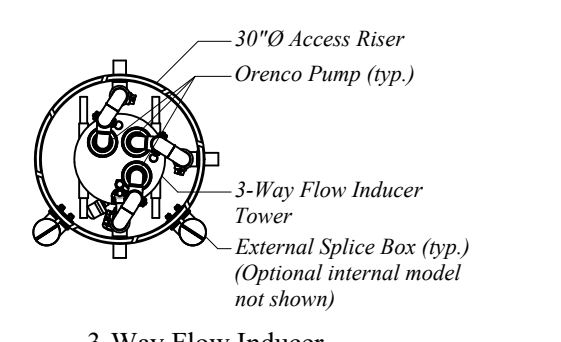
RECIRCULATION TANK FLOAT AND RSV SETTINGS
NOT TO SCALE



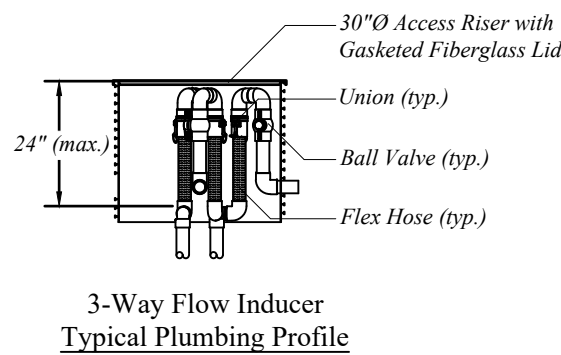
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Control Panel Detail
Not To Scale

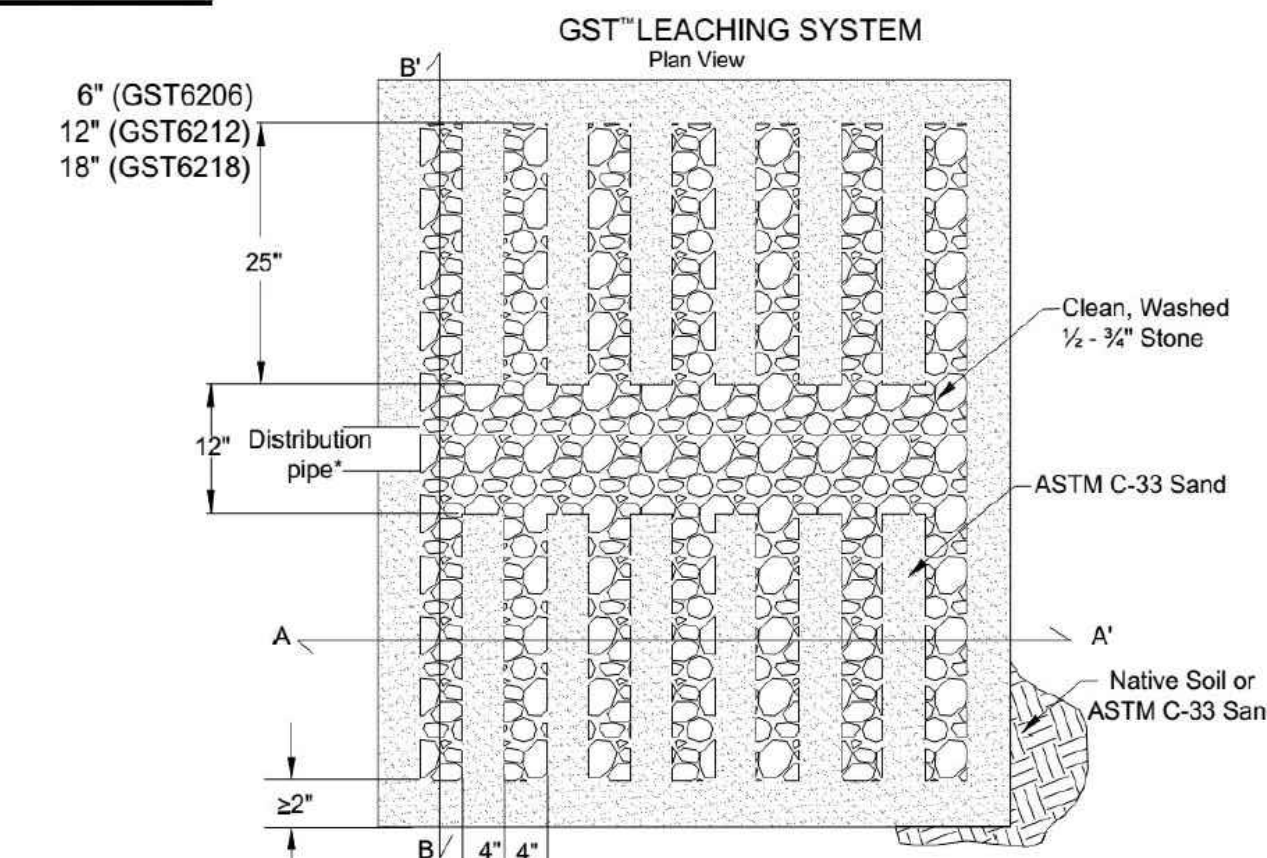


3-Way Flow Inducer Typical Plumbing Example
Scale: 1" = 3'-0"

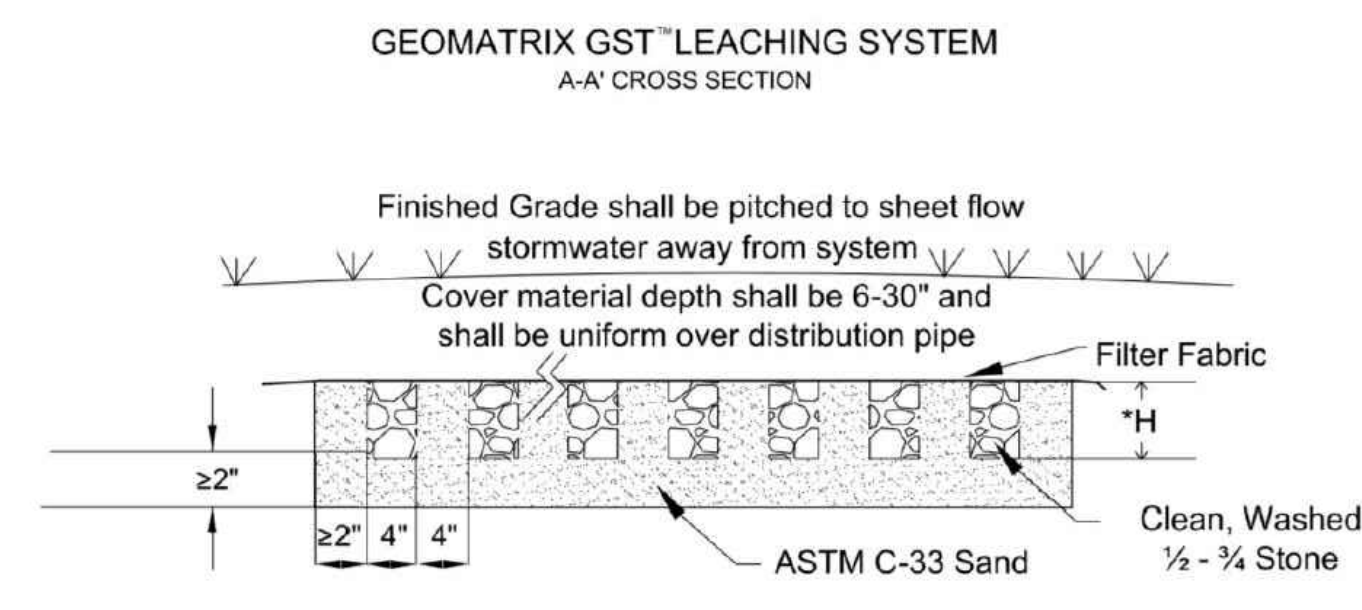


3-Way Flow Inducer Typical Plumbing Profile
Scale: 1" = 3'-0"

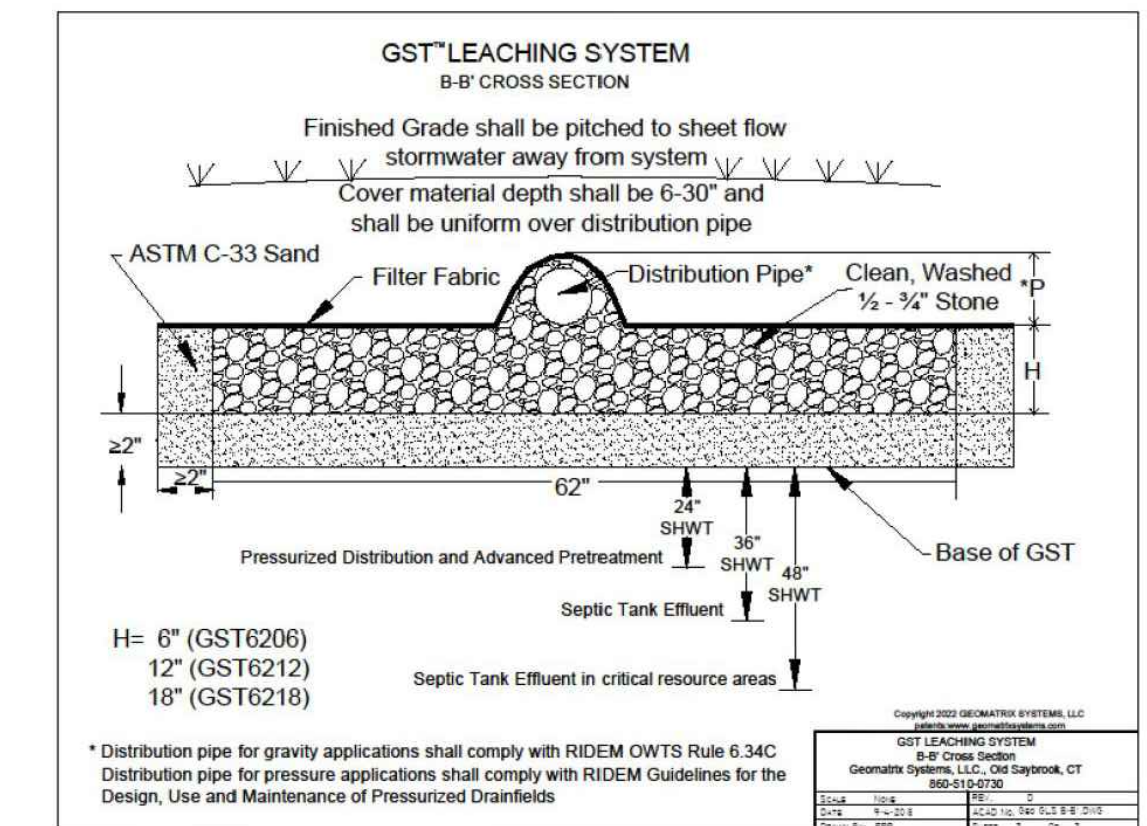
GST Schematics



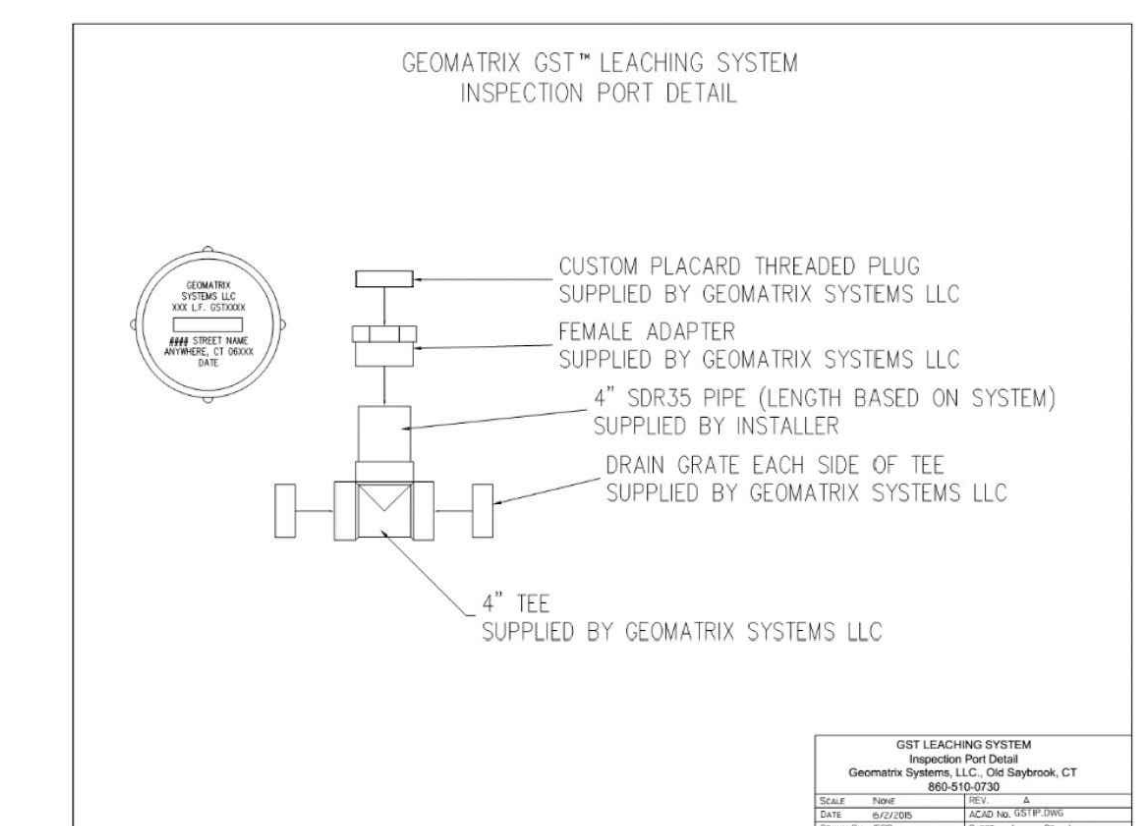
* Distribution pipe for gravity systems shall comply with RIDEM DWTS Rule 6.34C. Distribution pipe for pressure applications shall comply with RIDEM Guidelines for the Design, Use and Maintenance of Pressurized Drainfields.



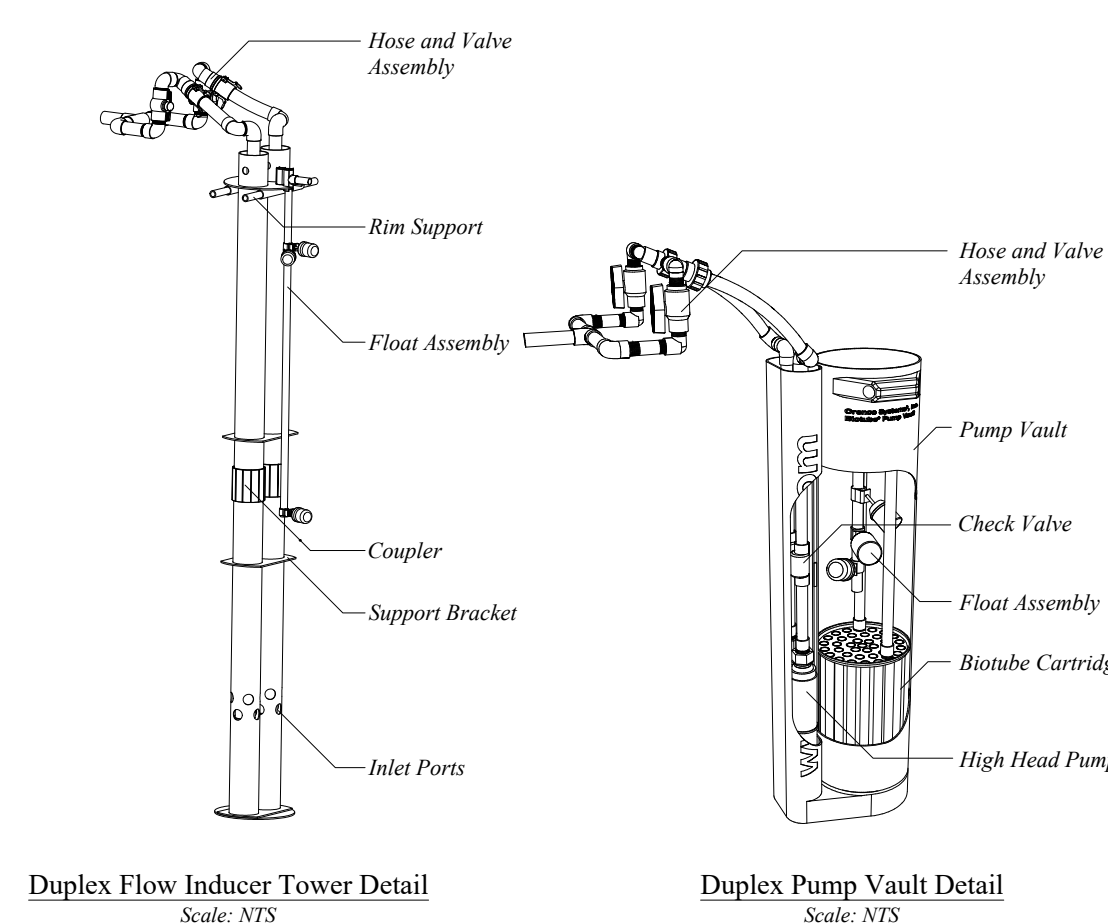
*H= 6" (GST6206)
12" (GST6212)
18" (GST6218)



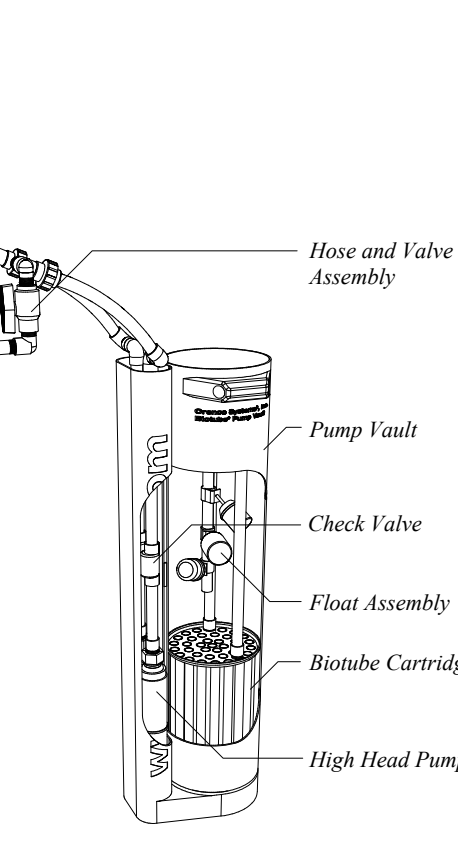
* Distribution pipe for gravity applications shall comply with RIDEM DWTS Rule 6.34C. Distribution pipe for pressure applications shall comply with RIDEM Guidelines for the Design, Use and Maintenance of Pressurized Drainfields.



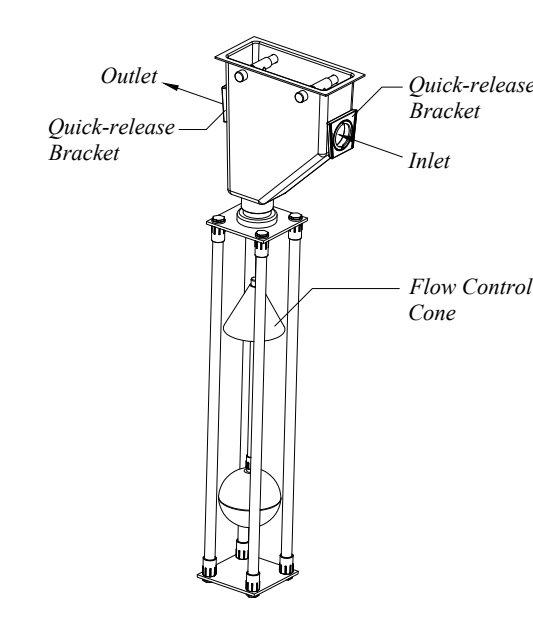
GST LEACHING SYSTEM Inspection Port Detail
Scale: 1" = 2'-0"



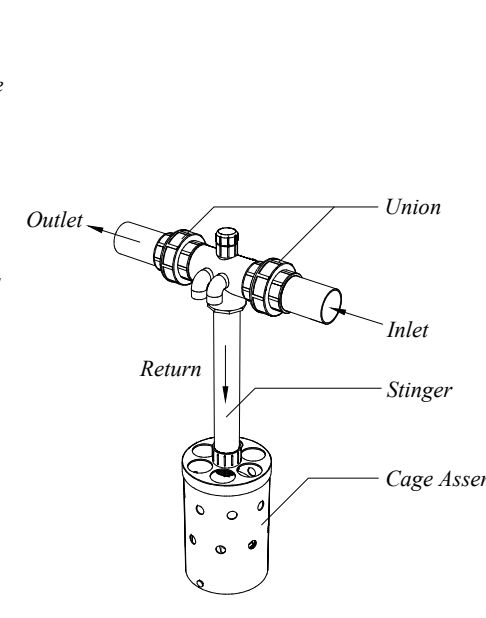
Duplex Flow Inducer Tower Detail
Scale: NTS



Duplex Pump Vault Detail
Scale: NTS



Recirculating Ball Valve Detail
Scale: NTS



Recirculating Splitter Valve Detail
Scale: NTS

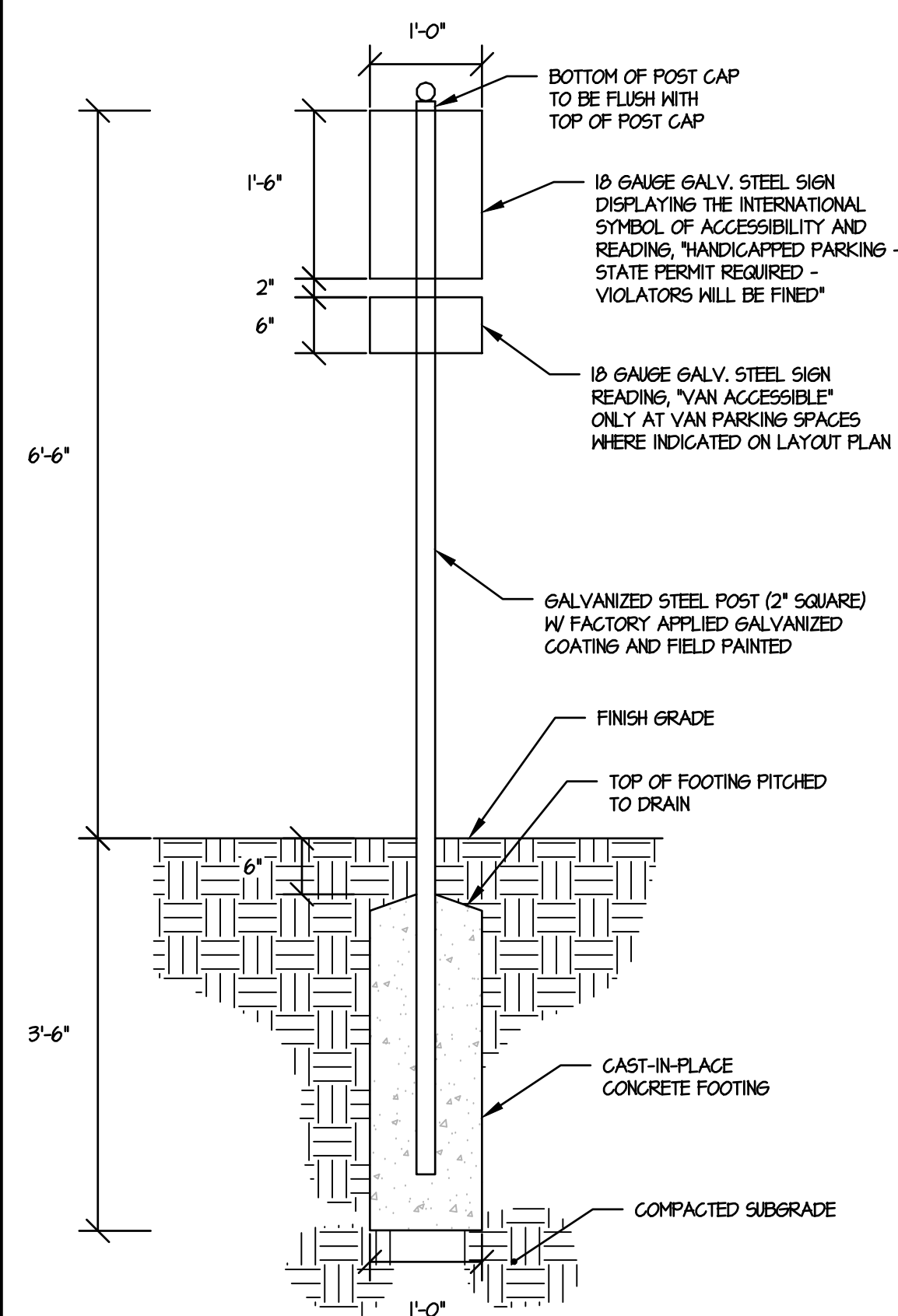
COLLECTIVE AIR INLET DETAIL

SCALE: VARIES

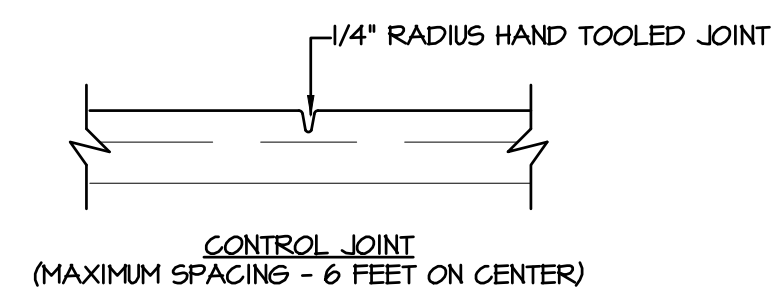
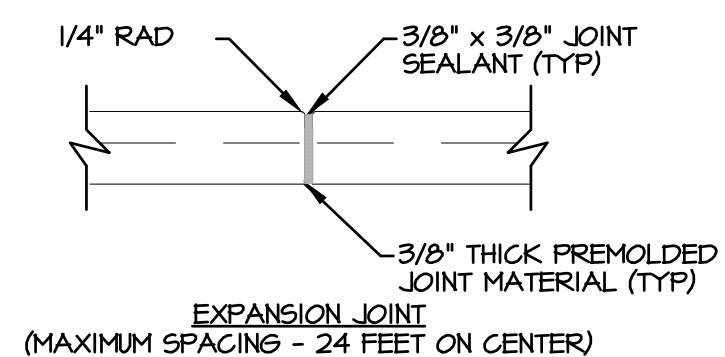
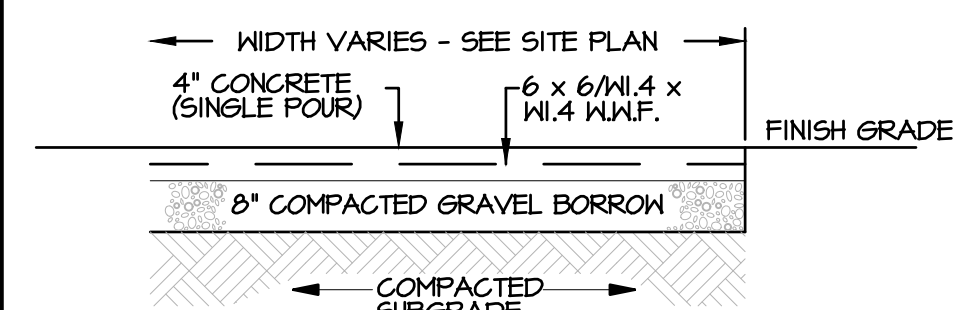
AdvanTex AX100 SYSTEM - MISCELLANEOUS DETAILS

SCALE: VARIES

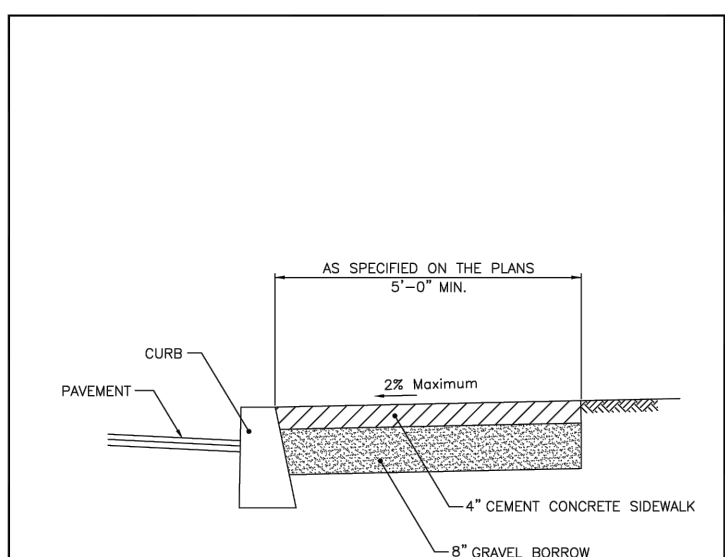
OWTS DETAILS



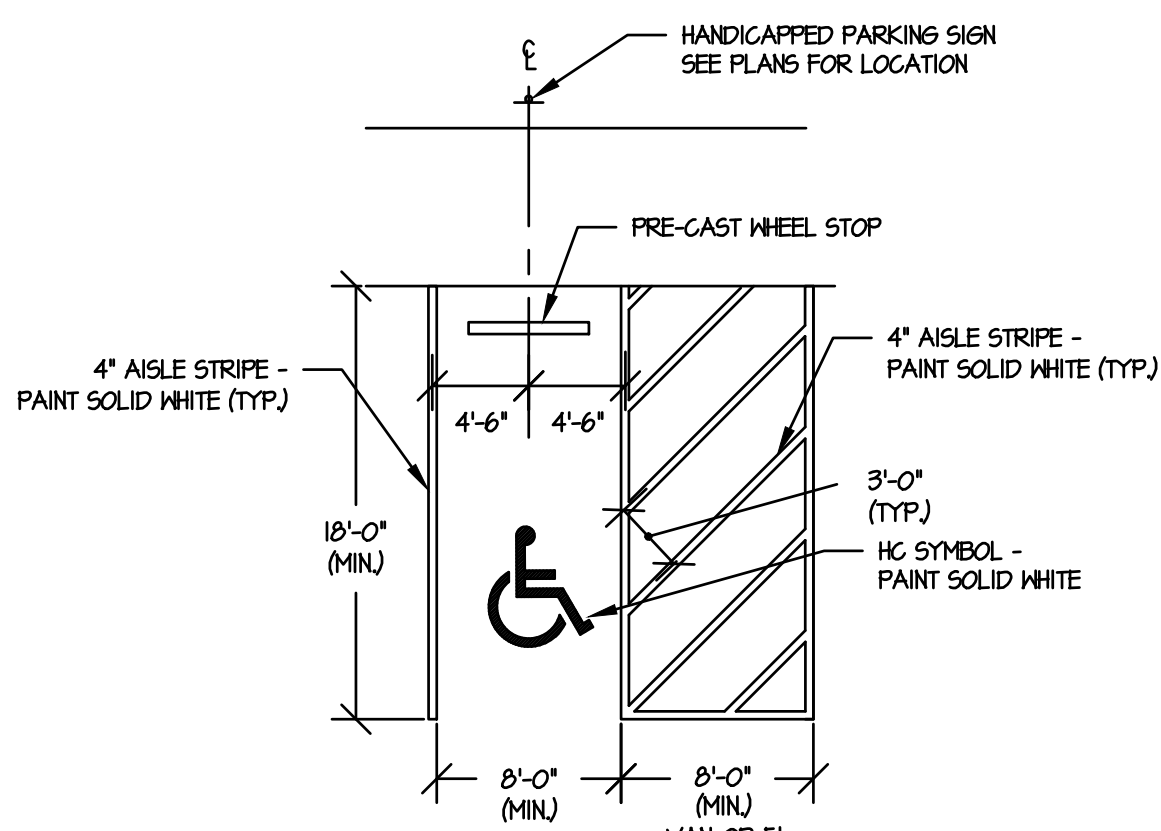
HANDICAPPED PARKING SIGN
SCALE: 3/4" = 1'-0"



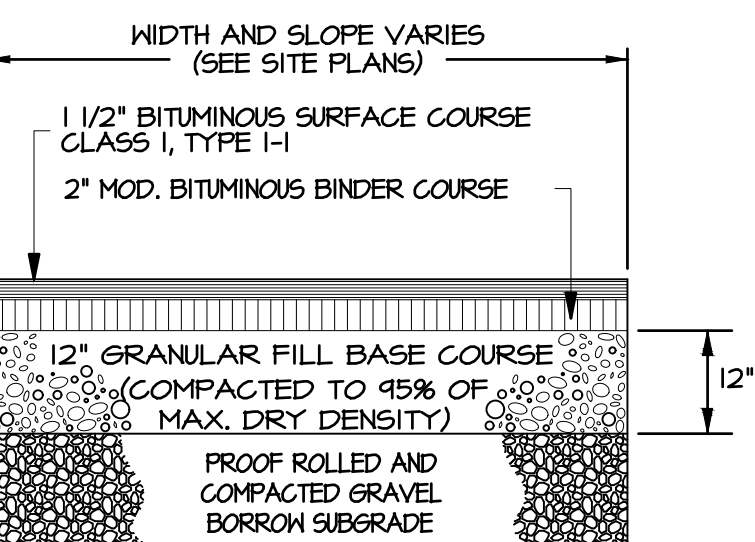
CONCRETE SIDEWALK DETAIL
NOT TO SCALE
CONCRETE TO BE 4000 PSI @ 28 DAYS



NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 905 OF THE R.I. STANDARD SPECIFICATIONS.
2. FOR CURB SETTING DETAIL, REFERENCE STD. 7.6.6.

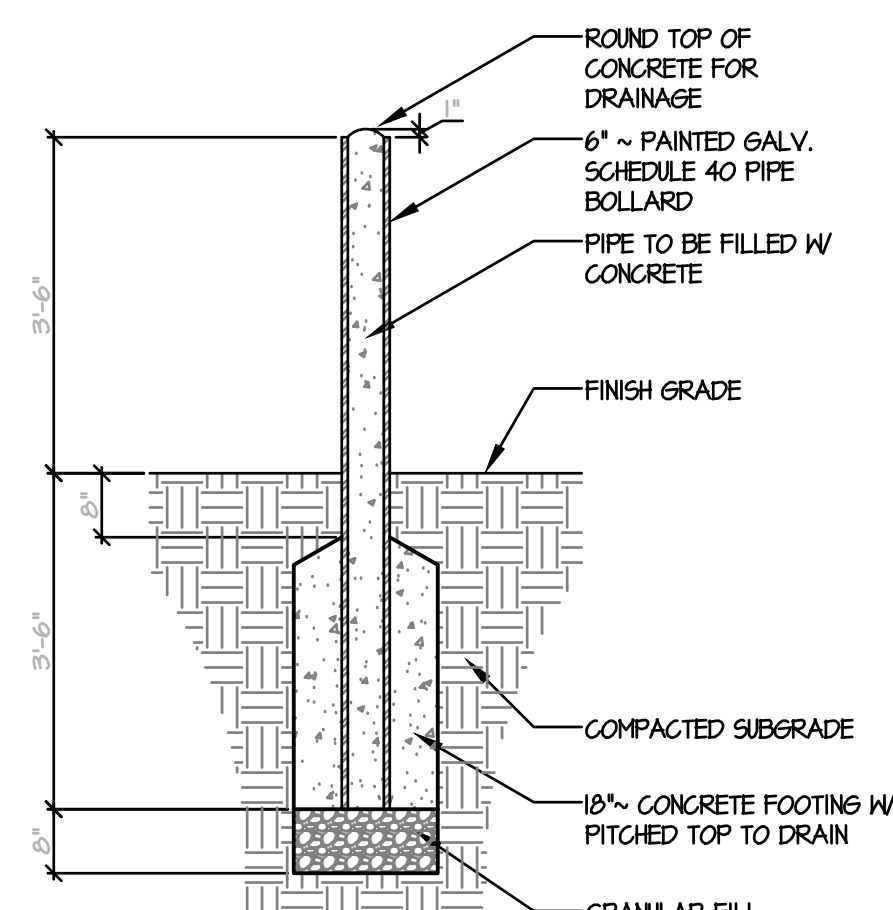


PARKING SPACE DETAIL
NOT TO SCALE



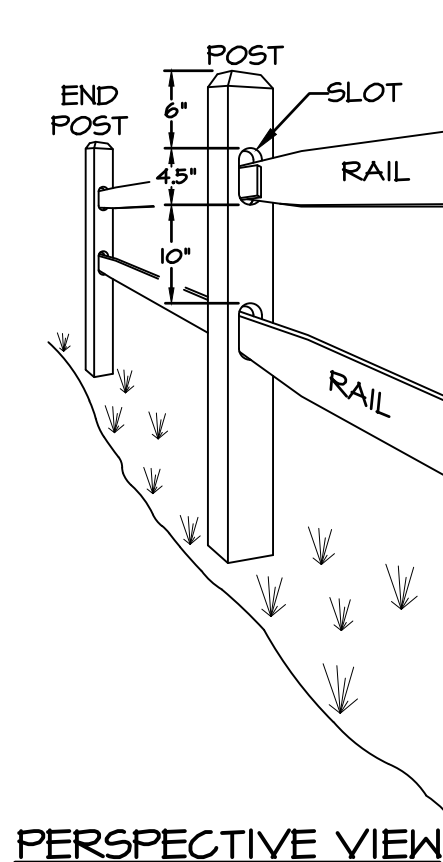
NOTES:
1. ALL PAVEMENT, GRAVEL AND GRANULAR FILL TO CONFORM WITH RIDOT STANDARDS AND INSTALLATION REQUIREMENTS.
2. ALL LOAM, TOPSOIL, SUBSOIL, ROOTS, ROCK OR ANY OTHER UNSUITABLE MATERIALS SHALL BE REMOVED FROM WITHIN LIMITS OF PAVEMENT. INSTALL CLEAN GRANULAR FILL PLACED IN 12" MAXIMUM LIFTS AND COMPACTED TO 95% OF MAXIMUM DRY DENSITY.
3. INCREASE GRAVEL BASE DEPTH TO 24" IN AREAS WHERE ROCK IS PRESENT.

BITUMINOUS CONCRETE PAVEMENT DETAIL
NOT TO SCALE

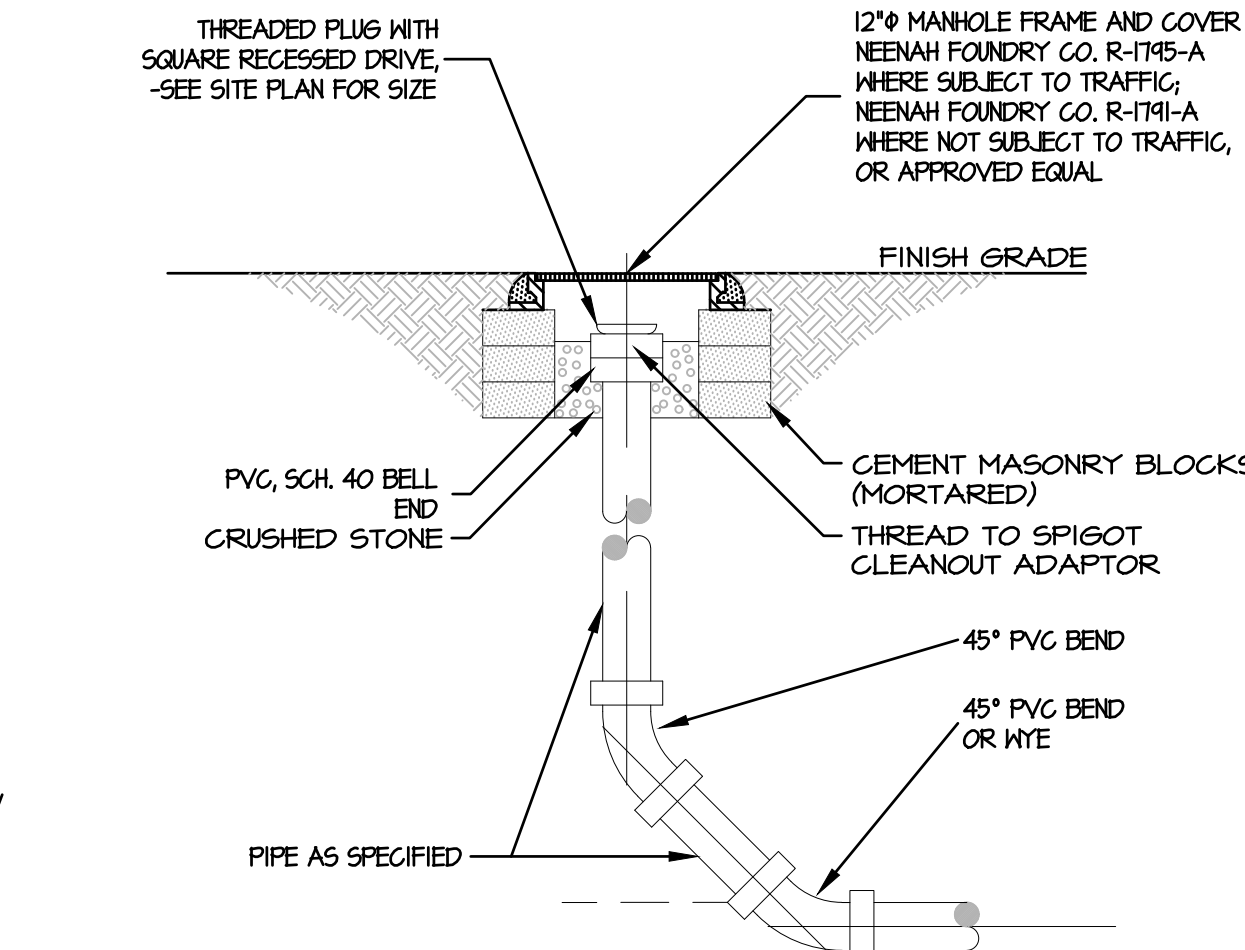


INSTALL BOLLARDS AT EACH SIDE OF OVERHEAD DOORS, BUILDING CORNERS THAT ARE EXPOSED TO TRUCK OR MATERIALS HANDLING TRAFFIC AND OTHER DESIGNATED AREAS.

CONC. FILLED BOLLARD
SCALE: 1/2" = 1'-0"

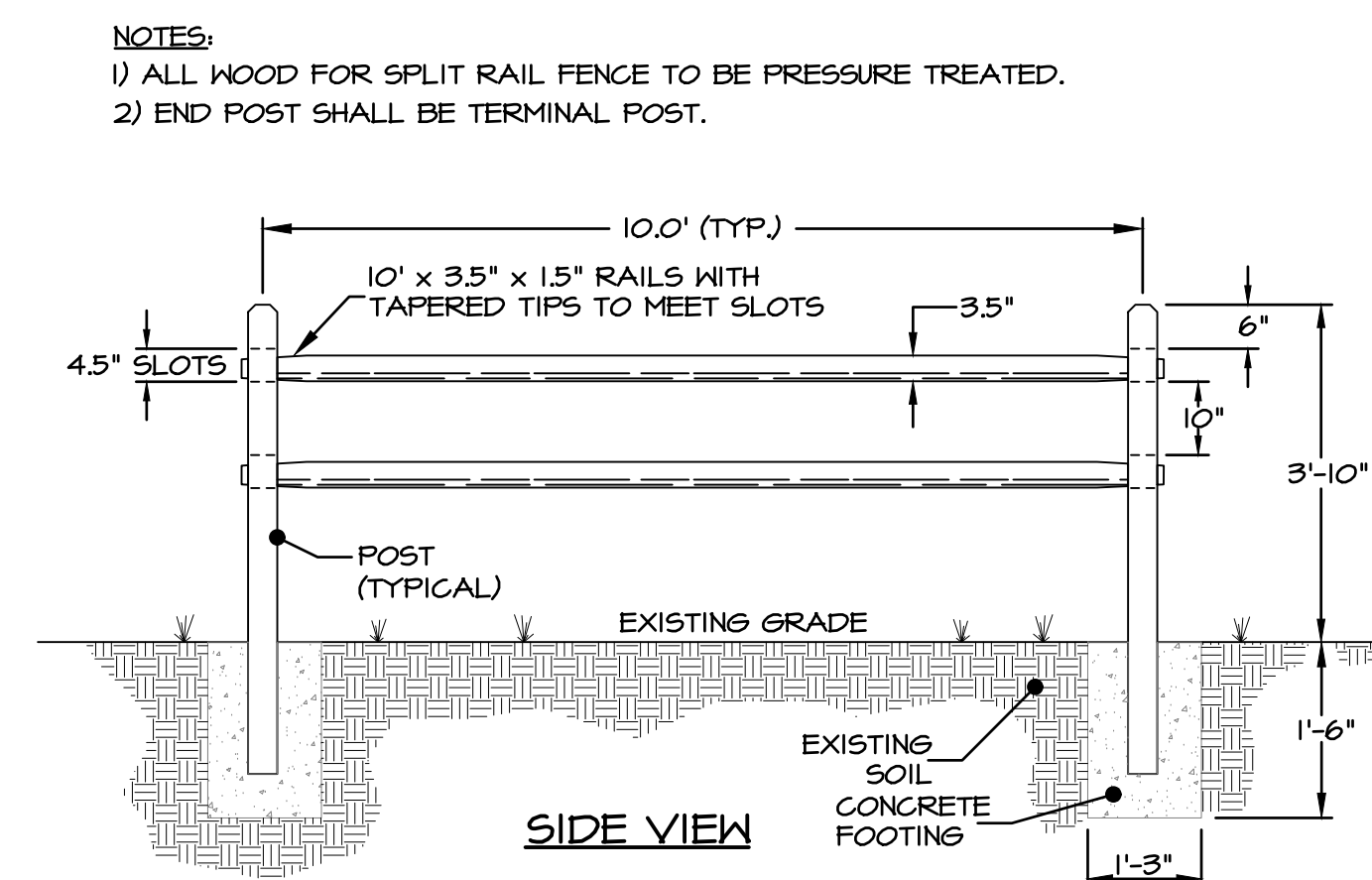


PERSPECTIVE VIEW



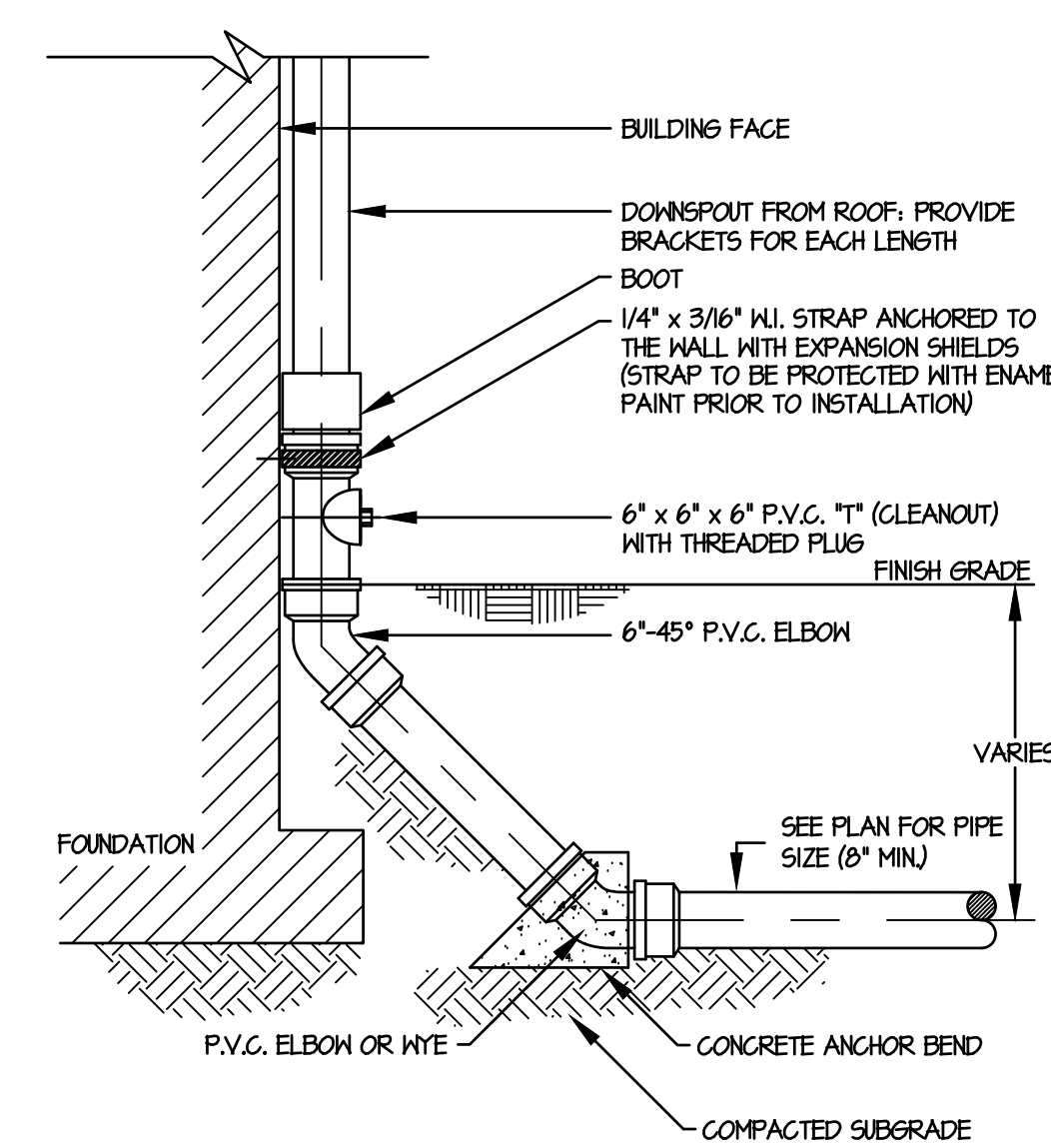
NOTE:
SEE SITE PLAN FOR PIPE SIZE AND MATERIAL

DETAIL - CLEANOUT
NOT TO SCALE

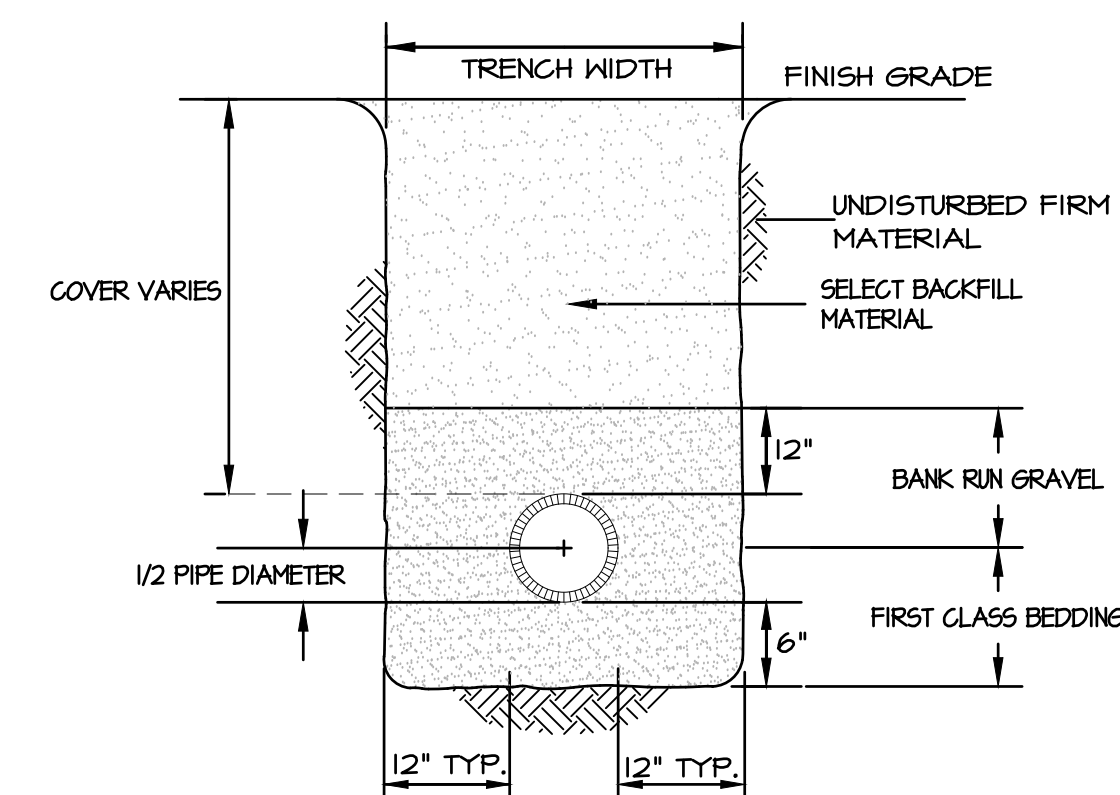


STANDARD SPLIT-RAIL FENCE
NOT TO SCALE

NOTES:
1) ALL WOOD FOR SPLIT RAIL FENCE TO BE PRESSURE TREATED.
2) END POST SHALL BE TERMINAL POST.

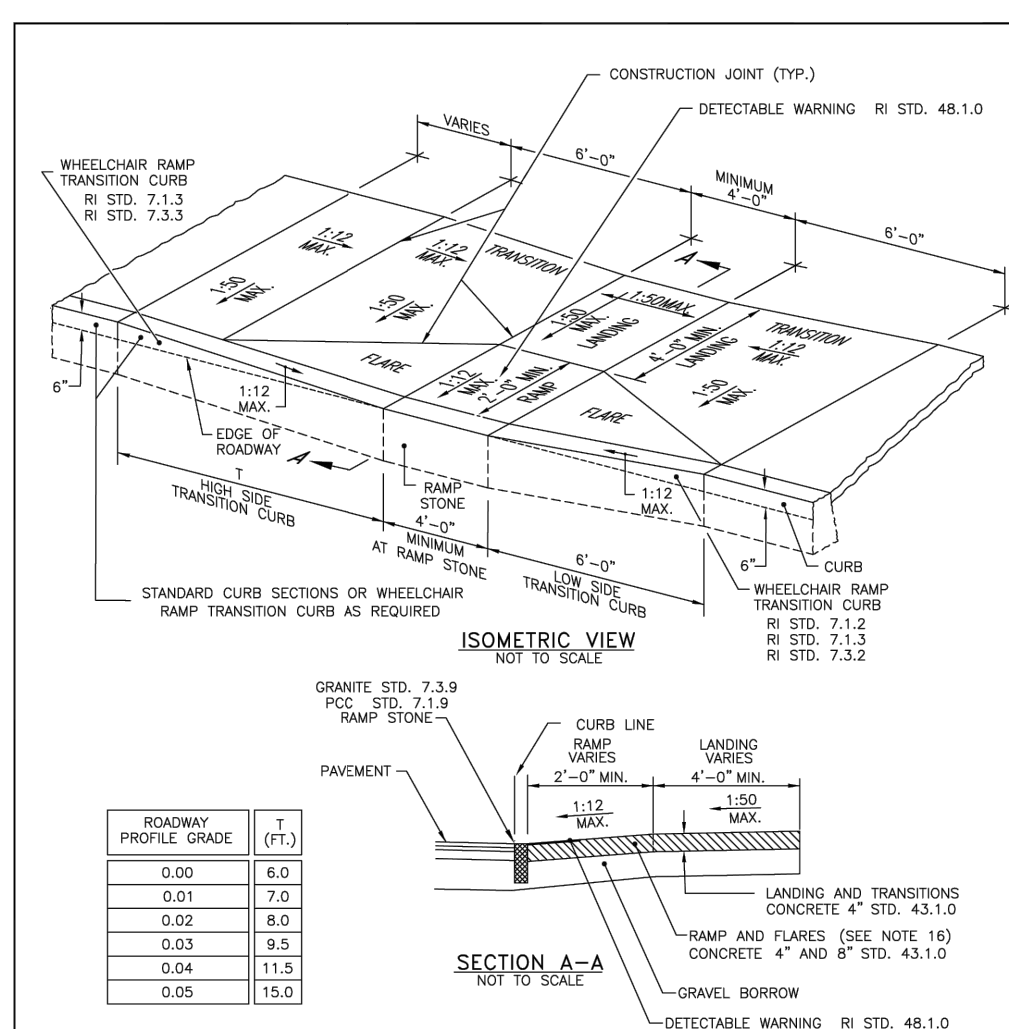


DOWNSPOUT DETAIL
NOT TO SCALE



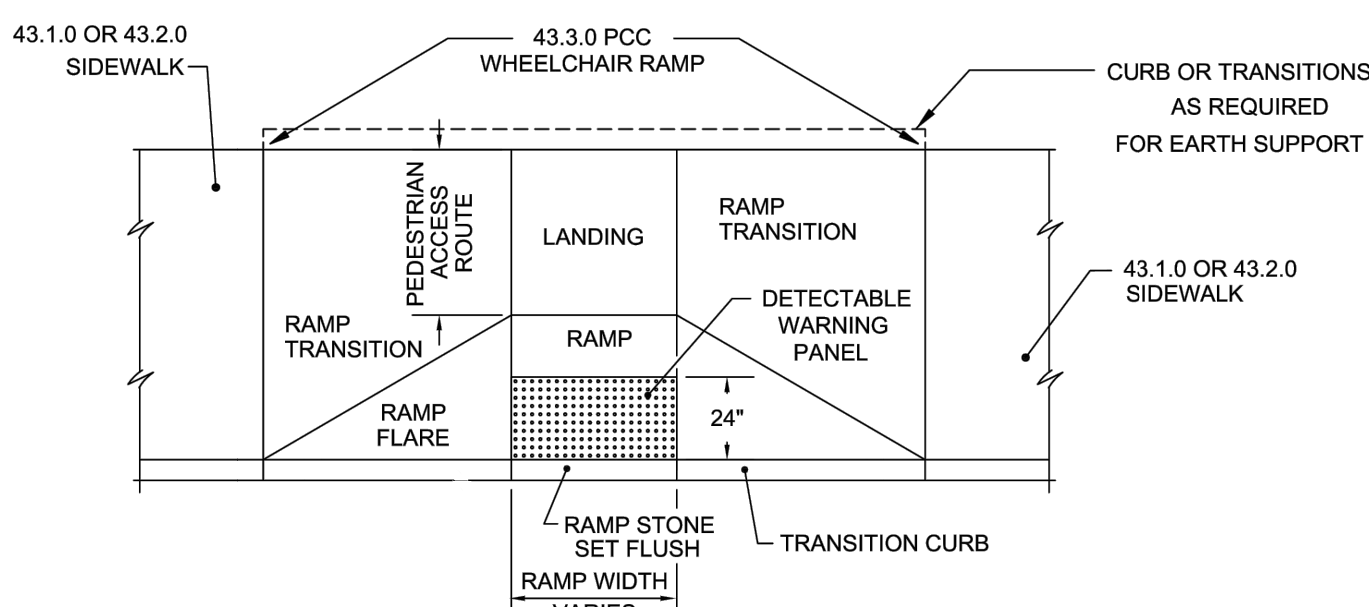
GENERAL NOTES:
FINISH GRADE MATERIAL VARIES (SEE SITE PLAN).
COMPACT BACKFILL IN 8" LIFTS TO 95% OF MAX. DRY DENSITY.

UTILITY TRENCH DETAIL
NOT TO SCALE



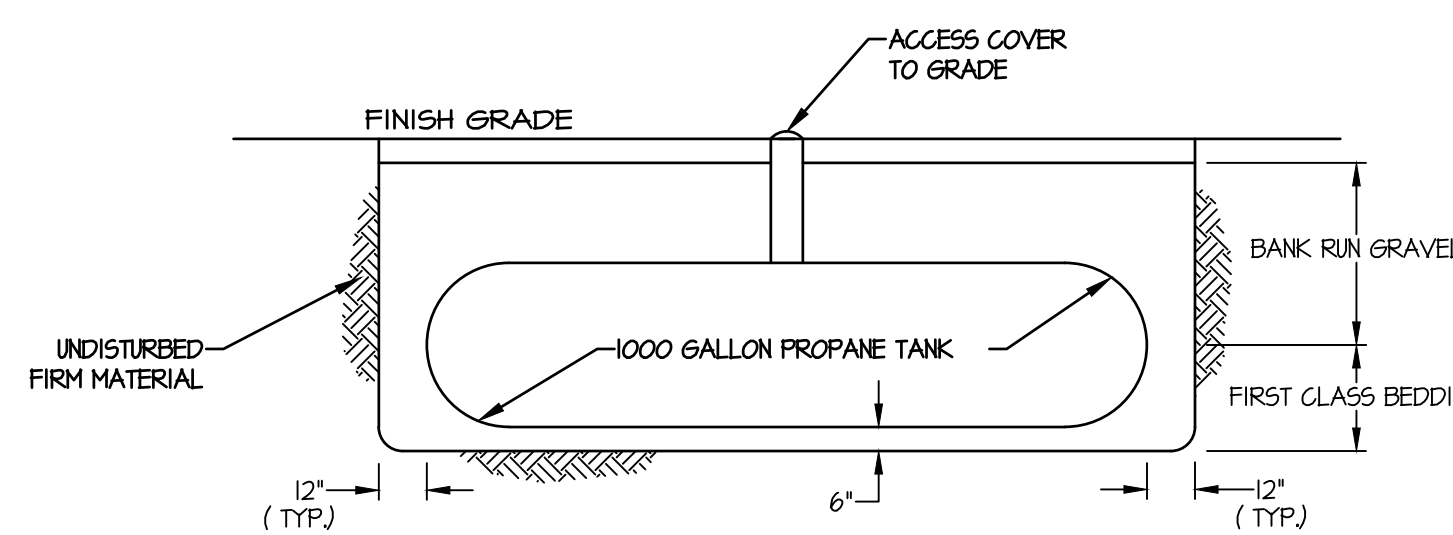
NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 905 OF THE R.I. STANDARD SPECIFICATIONS.
2. WHEN ANY OBSTRUCTION LOCATED IN THE SIDEWALK FALLS WITHIN A CROSSWALK AREA, THE CROSSWALK RAMP SHALL BE PLACED SUCH THAT THE OBSTRUCTION FALLS OUTSIDE OF THE RAMP.
3. NO TIME IS TO BE TAKEN FOR THE WHEELCHAIR RAMP TO BE LOCATED OUTSIDE OF THE CROSSWALK AND IT IS TO BE CENTERED WHENEVER POSSIBLE.
4. DRAINAGE FACILITIES ARE TO BE LOCATED UP-GRADE OF ALL WHEELCHAIR RAMPS.
5. AN UNOBSTRUCTED PATH OF TRAVEL WITH A MINIMUM WIDTH OF 4'-0" SHALL BE MAINTAINED.
6. THE WHEELCHAIR RAMP SLOPE AND SIDE SLOPES (TRANSITIONS), MUST NOT BE STEEPER THAN 1:12. HOWEVER, THESE SLOPES MAY BE FLATTER THAN 1:12 WHEN MAINTAINED BY GRADIENTING CONDITIONS.
7. TRANSITIONS SHALL BE FLATTER THAN 1:12 WHEN MAINTAINED BY GRADIENTING CONDITIONS.
8. IN NO CASE, WHERE A STOP LINE IS WARRANTED, SHALL A RAMP BE PLACED BEHIND THE STOP LINE.
9. THE WHEELCHAIR RAMP SHALL BE CENTERED RADIALLY, OPPOSITE THE RADIUS POINT WHEN POSSIBLE.
10. MINIMUM LENGTH OF STRAIGHT OR CURVED PORTION OF RAMP SHALL BE 3'-0" (GREATER LENGTHS PREFERRED).
11. ALL REQUIRED OUTRIGS OF CURB PIECES TO BE PAID FOR UNDER CURB OF CURB.
12. DETECTABLE WARNING PANELS TO BE PAID FOR UNDER CURB OF CURB.
13. DETECTABLE WARNING TO BE PAID FOR UNDER CURB OF CURB.
14. DETECTABLE WARNING TO BE PAID FOR UNDER CURB OF CURB.
15. DETECTABLE WARNING TO BE PAID FOR UNDER CURB OF CURB.
16. DETECTABLE WARNING TO BE PAID FOR UNDER CURB OF CURB.

ROADWAY PROFILE GRADE (71)	T
0.00	8.0
0.01	7.2
0.02	8.0
0.03	9.5
0.04	11.2
0.05	15.0



GENERAL NOTES:
1. DETECTABLE WARNING PANEL SHALL BE IN ACCORDANCE WITH SECTION 442 OF THE RHODE ISLAND STANDARD SPECIFICATIONS. PANEL TO MATCH RAMP WIDTH.
2. COORDINATE BRAND AND COLOR OF DETECTABLE WARNING PANEL WITH ARCHITECT.

ACCESSIBLE RAMP AND DETECTABLE WARNING PANEL PLACEMENT DETAIL - RI STD. 48.1.0
NOT TO SCALE



GENERAL NOTES:
FINISH GRADE MATERIAL VARIES (SEE SITE PLAN).
COMPACT BACKFILL IN 8" LIFTS TO 95% OF MAX. DRY DENSITY.

BURIED PROPANE TANK DETAIL
NOT TO SCALE

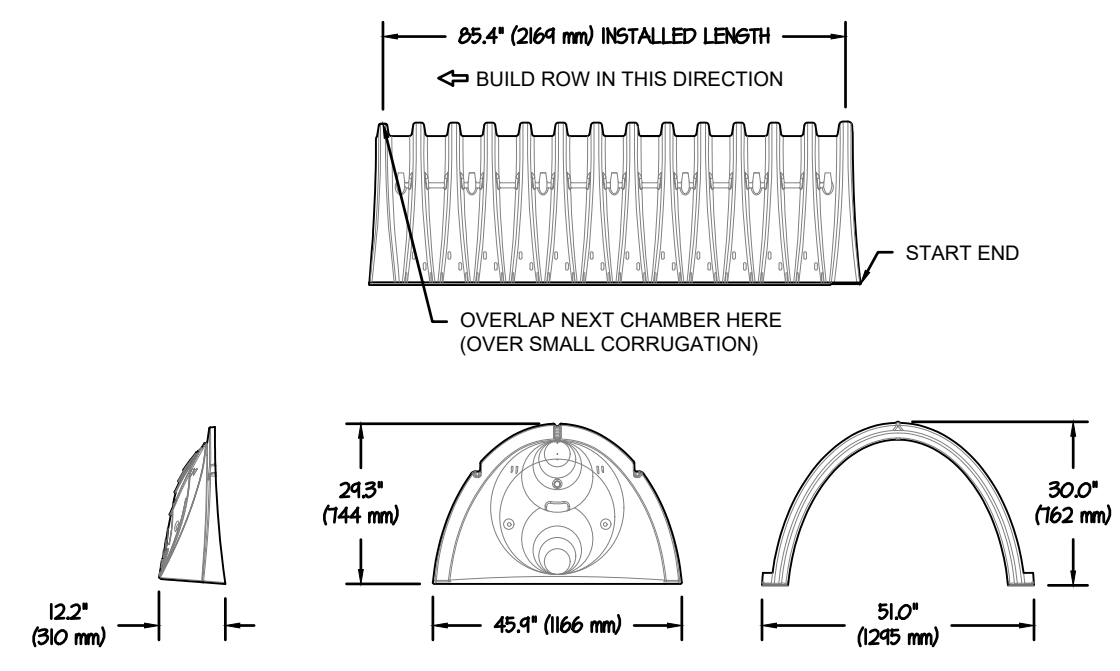
STATE OF RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
DIVISION OF PLANNING AND DEVELOPMENT

DEMOLITION AND REBUILD OF BATHHOUSES
BURLINGAME STATE PARK AND CAMPGROUND
CHARLESTOWN, RHODE ISLAND

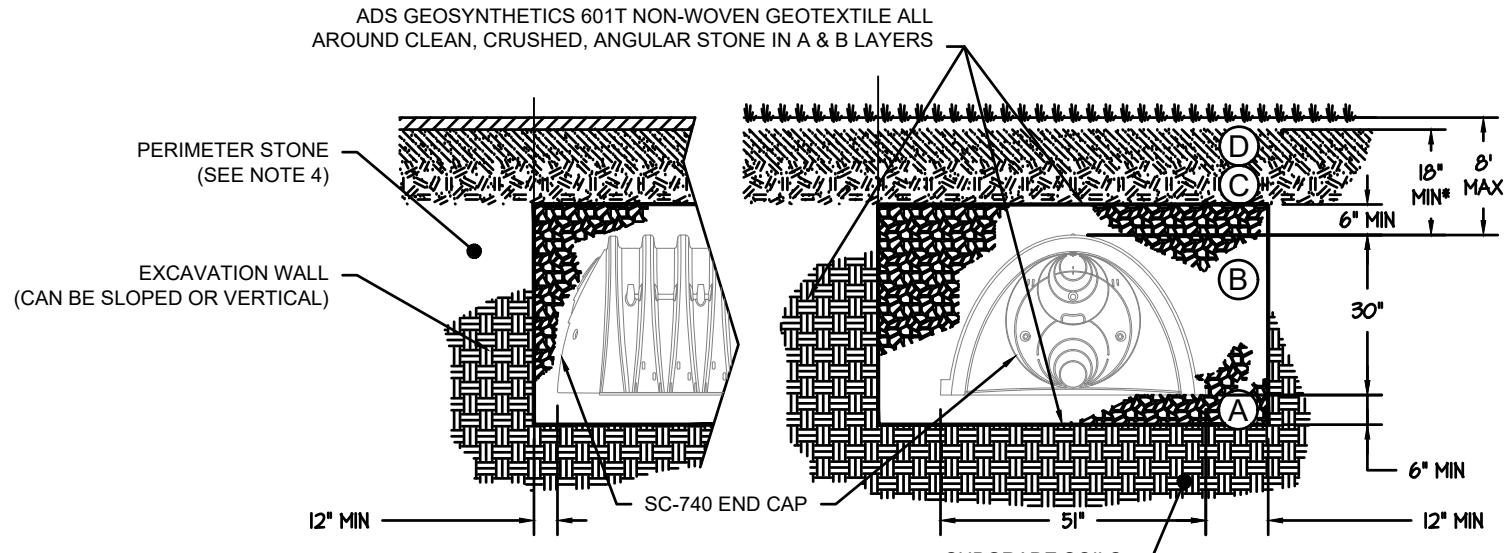
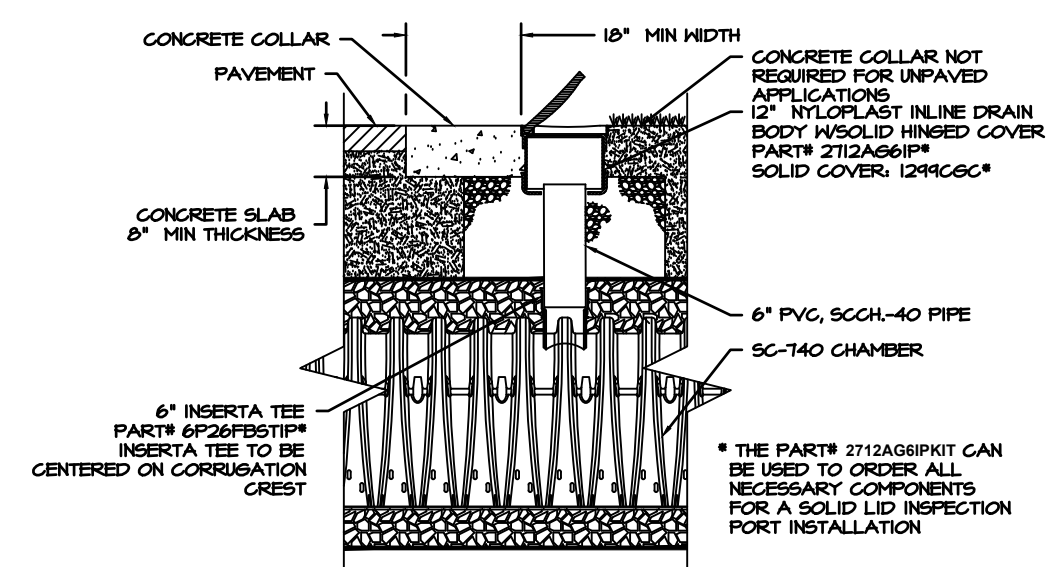
DETAILS

Dwg: Scale: 1" = 20'
Contract No. x Date: OCTOBER 6, 2023

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STORMTECH SC-740 DETAILS
NOT TO SCALE



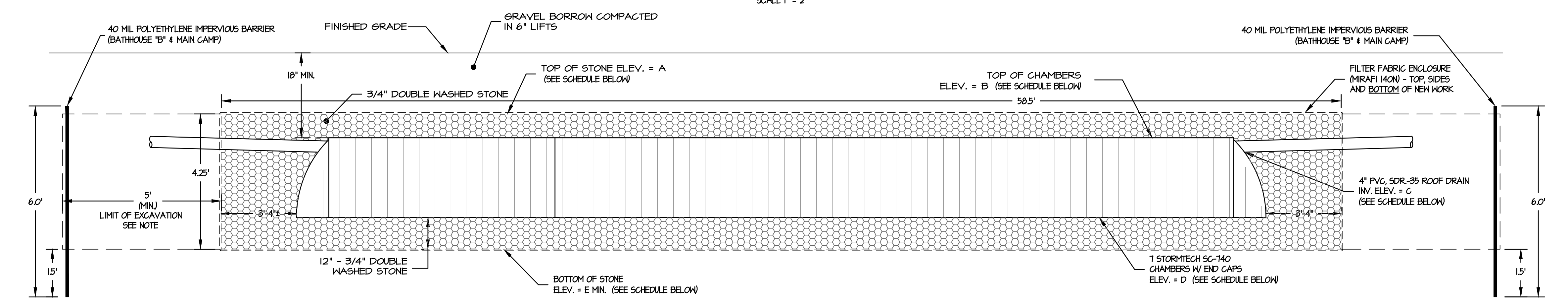
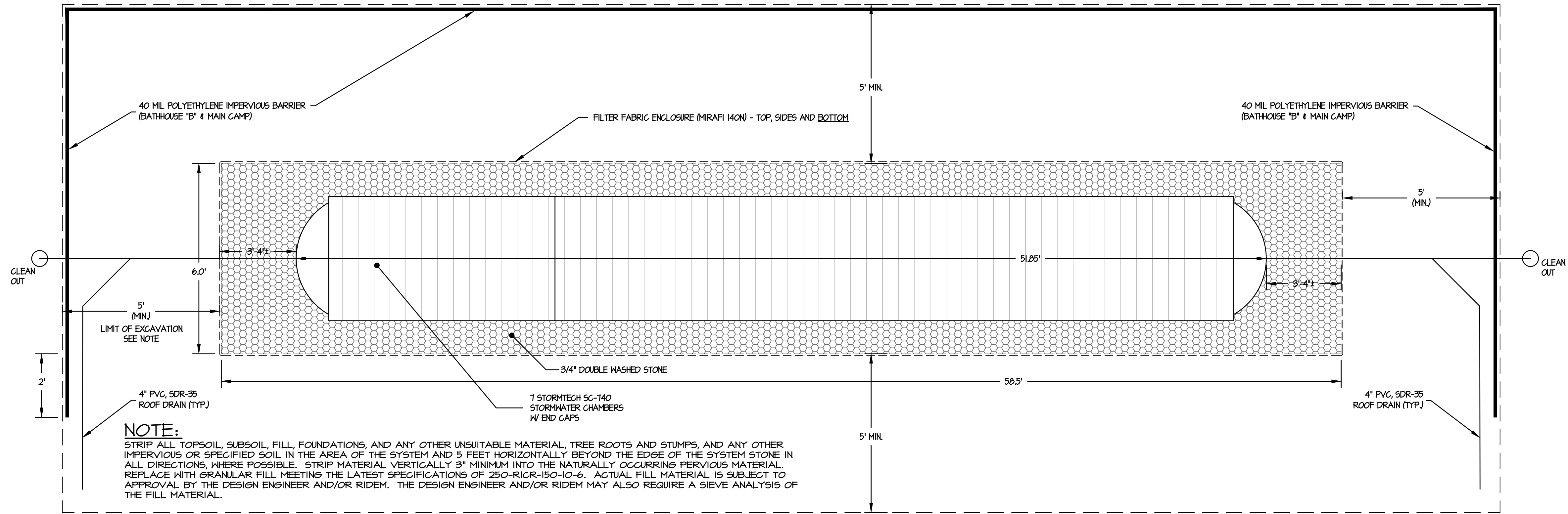
ACCEPTABLE FILL MATERIALS: STORMTECH SC-740 CHAMBER SYSTEMS

MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	FINAL FILL: FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER.	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
C	INITIAL FILL: FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE ('B' LAYER) TO 18" (450 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES, <35% FINES OR PROCESSED AGGREGATE. OR AASHTO M43 ¹ 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 12" (300 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 6" (150 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL-GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS. ROLLER GROSS VEHICLE WEIGHT NOT TO EXCEED 12,000 lbs (53 kN). DYNAMIC FORCE NOT TO EXCEED 20,000 lbs (89 kN).
B	EMBEDMENT STONE: FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE.	AASHTO M43 ¹ 3, 357, 4, 467, 5, 56, 57	NO COMPACTION REQUIRED.
A	FOUNDATION STONE: FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	AASHTO M43 ¹ 3, 357, 4, 467, 5, 56, 57	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE. ^{2,3}

PLEASE NOTE:
 1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE."
 2. STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 6" (150 mm) (MAX) LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.
 3. WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.
 4. ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.

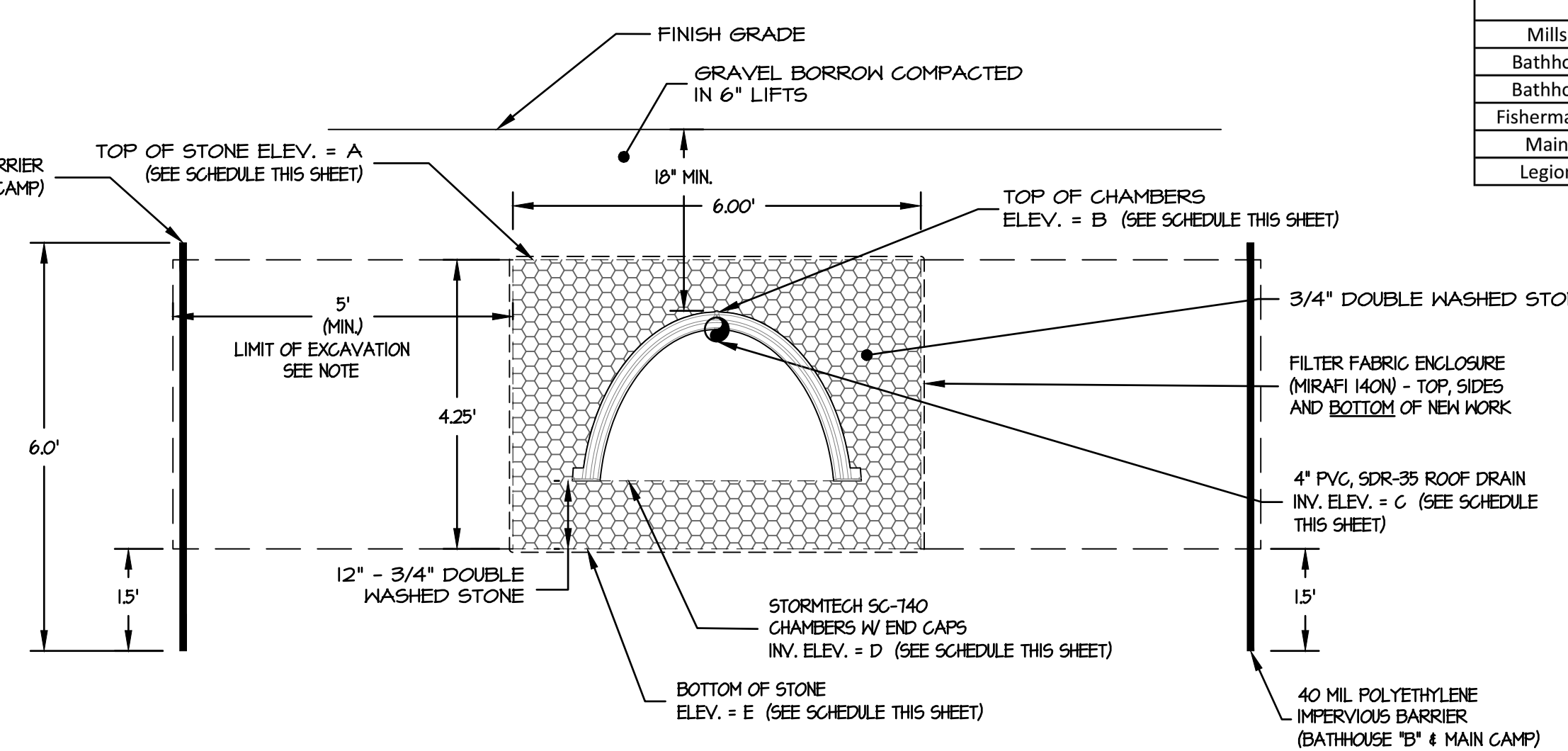
NOTES:

- CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2410-16a, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- SC-740 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2187 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS.
- PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
- REQUIREMENTS FOR HANDLING AND INSTALLATION:
 - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
 - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 24".
 - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, (a) THE ARCH STIFFNESS CONSTANT AS DEFINED IN SECTION 6.2.B OF ASTM F2410 SHALL BE GREATER THAN OR EQUAL TO 550 LBS/IN. AND (b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.



Roof Drywell Elevation Schedule

Location	Finish Grade	Top of Stone	Top of Chamber	Invert into StormTech	Bottom of Chamber	Bottom of Stone
	FG	A	B	C	D	E
Mills Camp	62.0±	61.25	60.50	60.05	58.00	57.00
Bathroom "B"	77.5±	76.50	75.75	75.30	73.25	72.25
Bathroom "A"	86.5±	85.75	85.00	84.55	82.50	81.50
Fisherman's Camp	56.5±	55.25	54.50	54.05	52.00	51.00
Main Camp	69.0±	68.75	68.00	67.55	65.50	64.50
Legion Town	76.5±	75.75	75.00	74.55	72.50	71.50



NOTES FOR CONSTRUCTION EQUIPMENT

- STORMTECH SC-740 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/DC-180 CONSTRUCTION GUIDE".
- THE USE OF CONSTRUCTION EQUIPMENT OVER SC-740 CHAMBERS IS LIMITED. NO EQUIPMENT IS ALLOWED ON BARE CHAMBERS.
 - NO RUBBER TIED LOADERS, DUMP TRUCKS, OR EXCAVATORS ARE ALLOWED UNTIL PROPER FILL DEPTHS ARE REACHED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/DC-180 CONSTRUCTION GUIDE".
 - HEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT CAN BE FOUND IN THE "STORMTECH SC-310/SC-740/DC-180 CONSTRUCTION GUIDE".
- FULL 36" OF STABILIZED COVER MATERIALS OVER THE CHAMBERS IS REQUIRED FOR DUMP TRUCK TRAVEL OR DUMPING.
- USE OF A DOZER TO PUSH EMBEDMENT STONE BETWEEN THE ROWS OF CHAMBERS MAY CAUSE DAMAGE TO THE CHAMBERS AND IS NOT AN ACCEPTABLE BACKFILL METHOD. ANY CHAMBERS DAMAGED BY THE TRAMP AND PUSH METHOD ARE NOT COVERED UNDER THE STORMTECH STANDARD WARRANTY.
- CONTACT STORMTECH AT 1-888-942-2644 WITH ANY QUESTIONS ON INSTALLATION REQUIREMENTS OR HEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT.

STATE OF RHODE ISLAND
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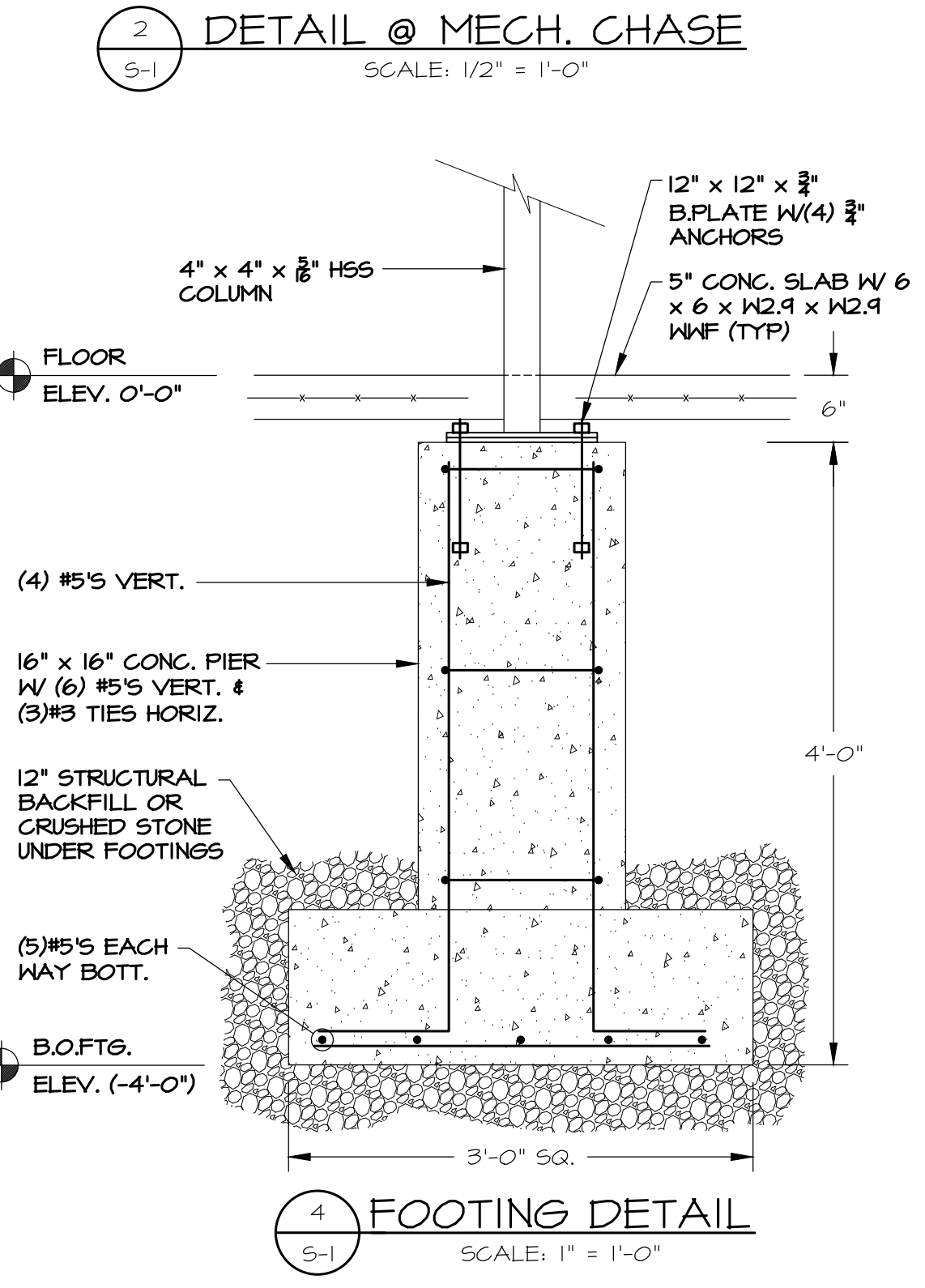
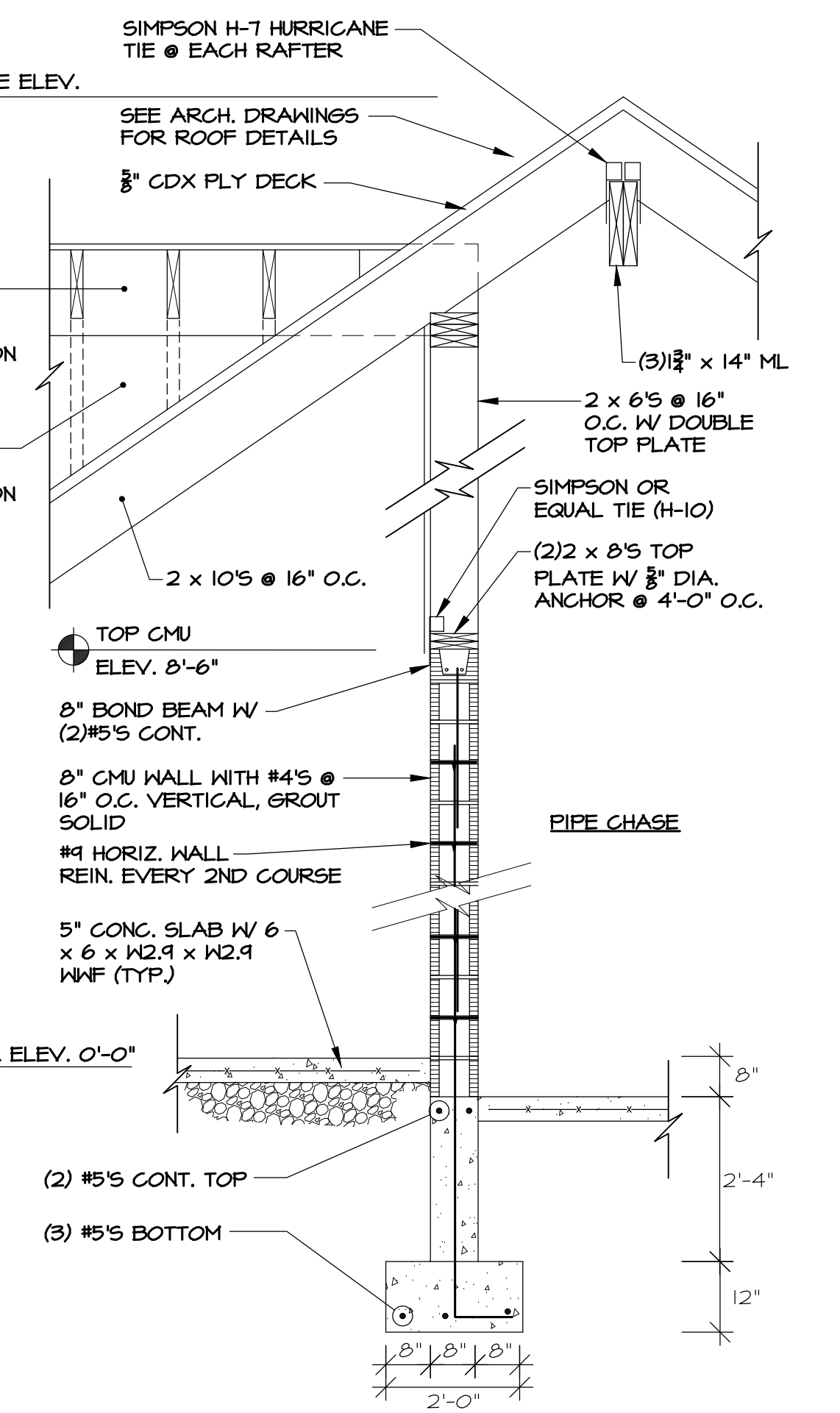
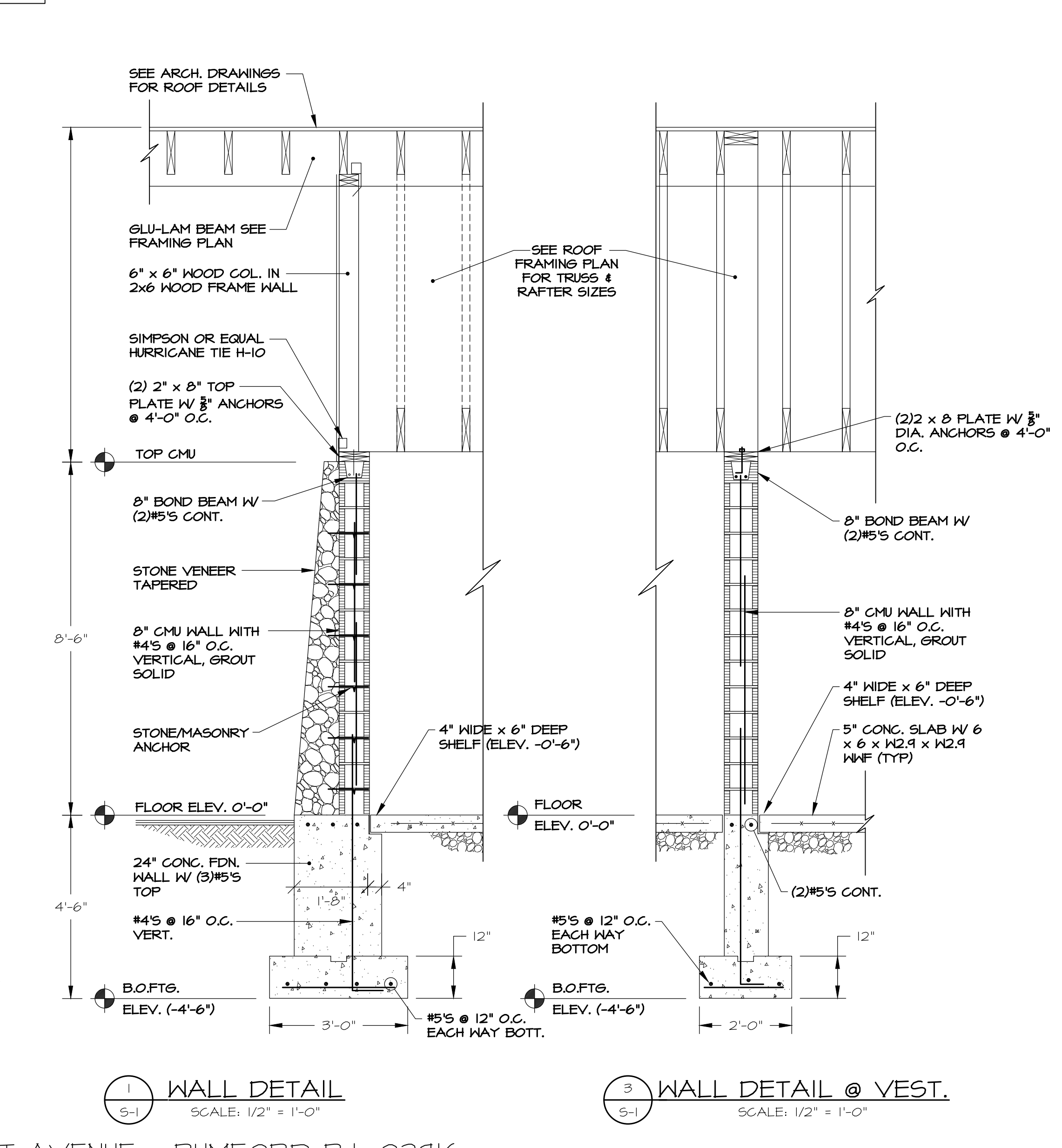
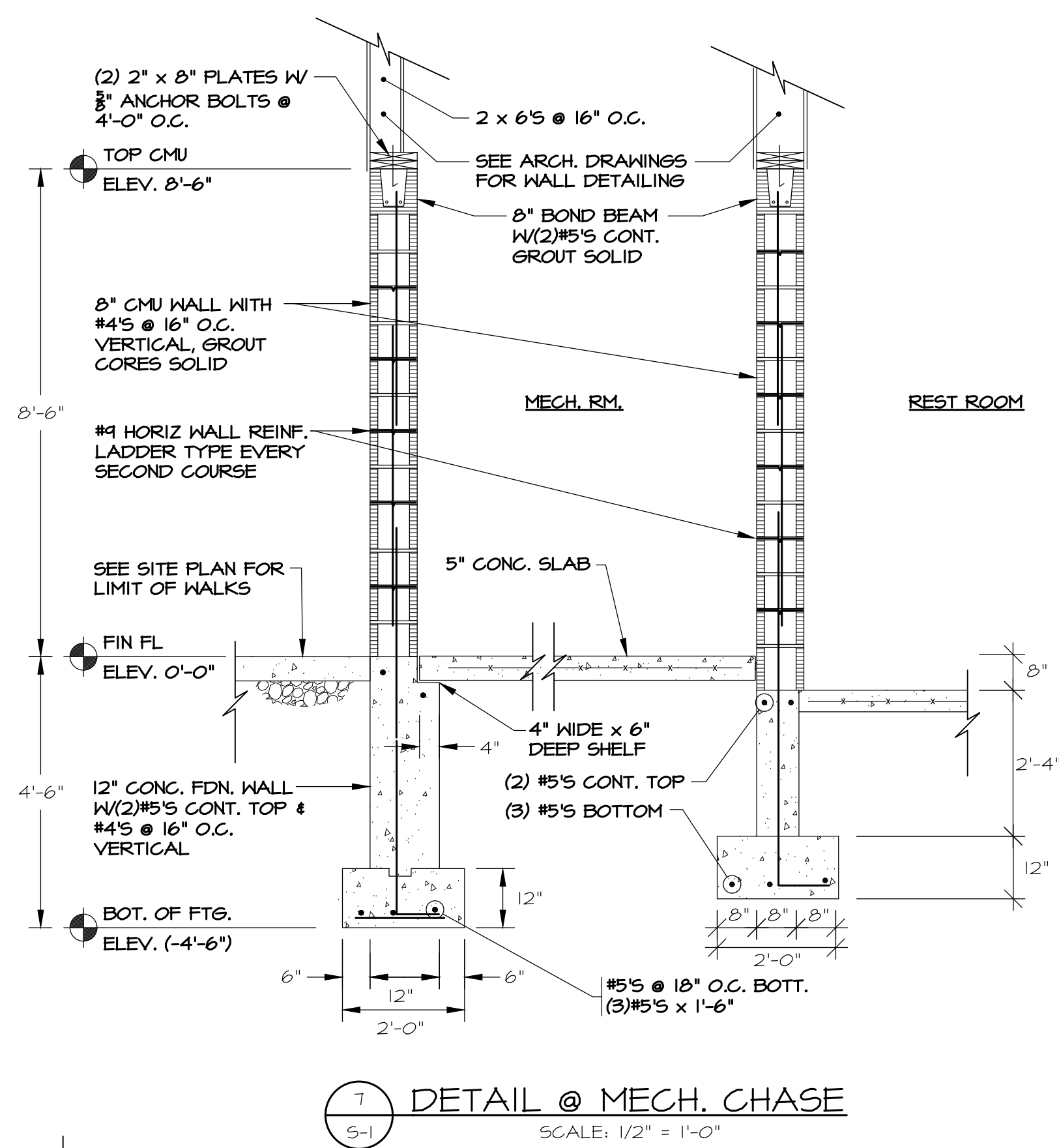
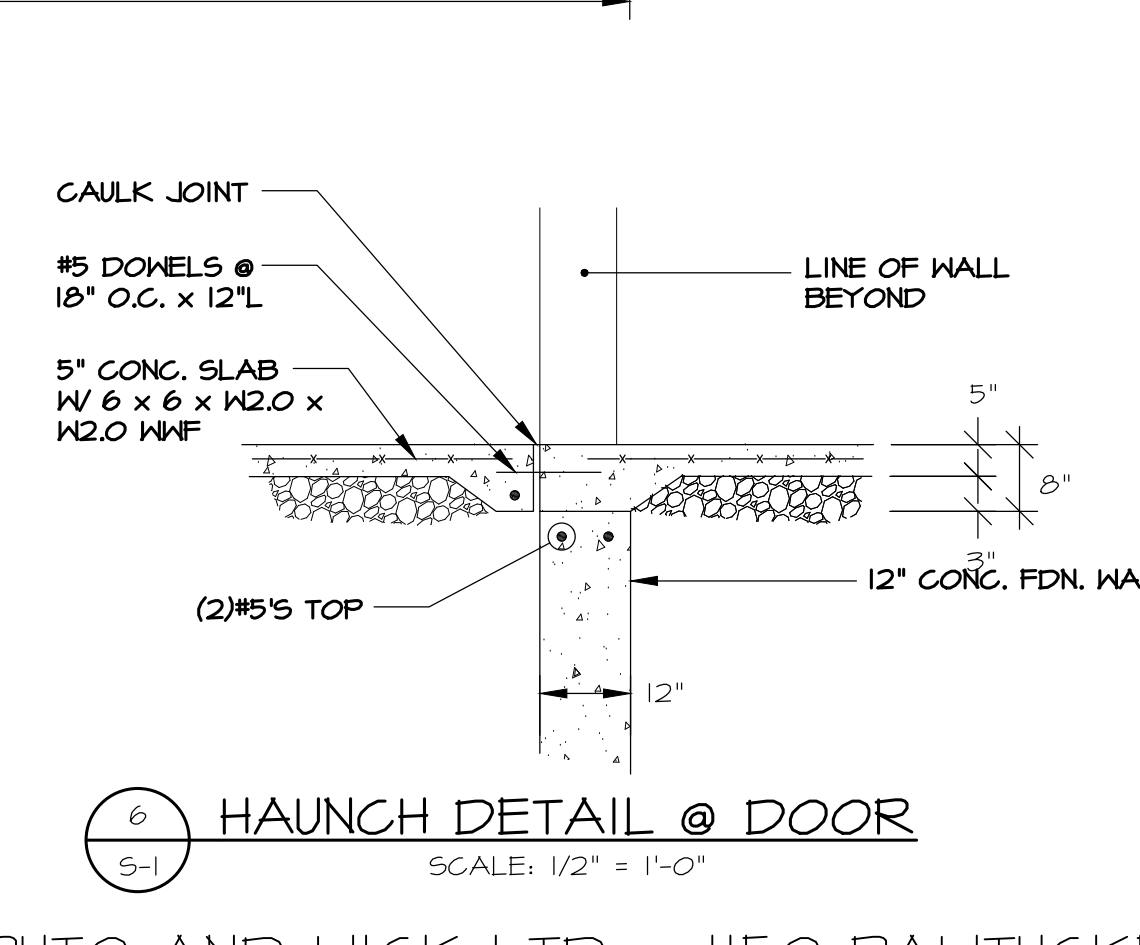
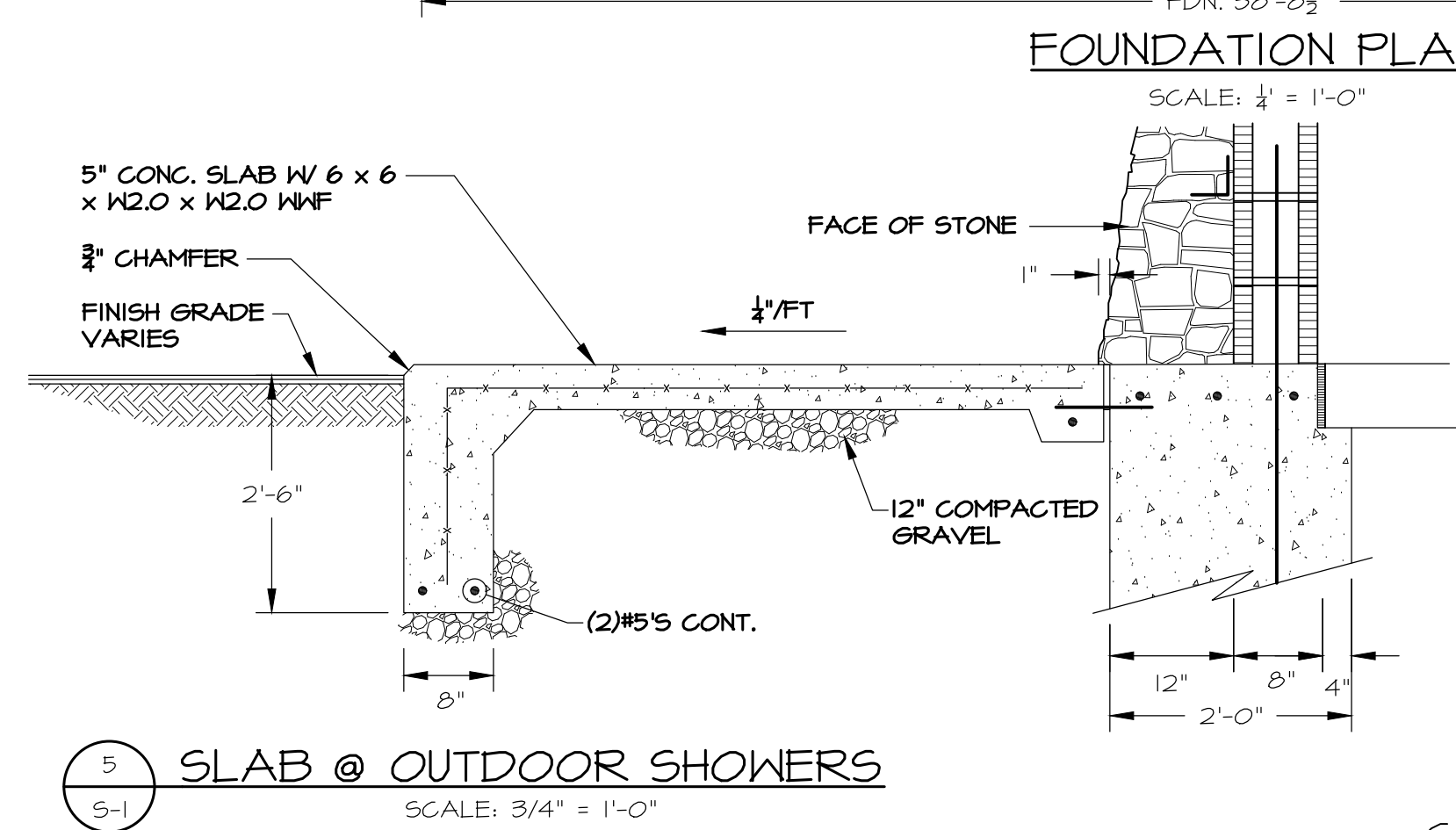
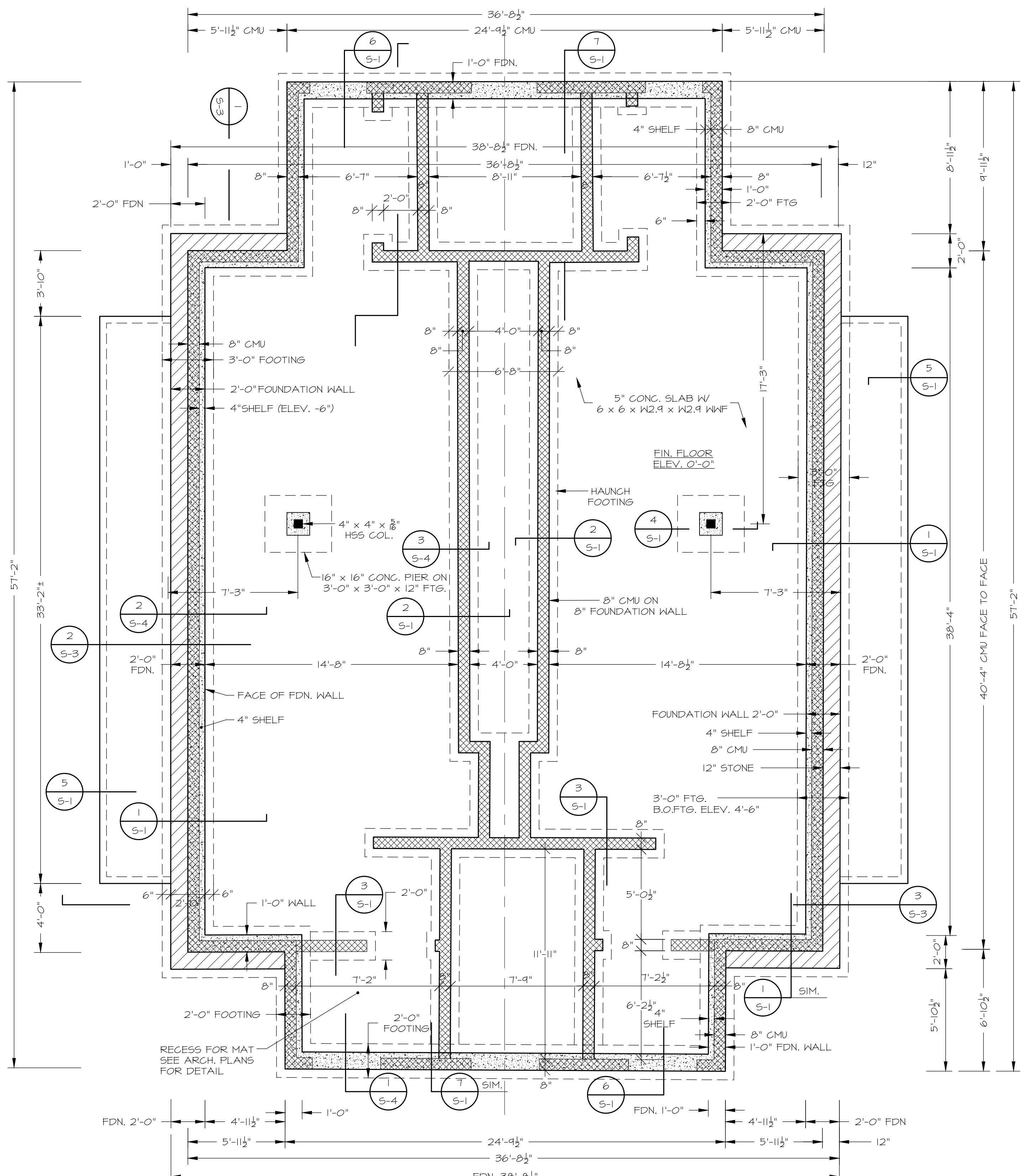
DEMOLITION AND REBUILD OF BATHHOUSES
 BURLINGAME STATE PARK AND CAMPGROUND
 CHARLESTOWN, RHODE ISLAND

OWTS PRECAST STRUCTURES DETAILS

Dwg: _____ Scale: 1" = 20'
 Contract No. x _____ Date: OCTOBER 6, 2023

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STATE OF RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
DIVISION OF PLANNING AND DEVELOPMENT

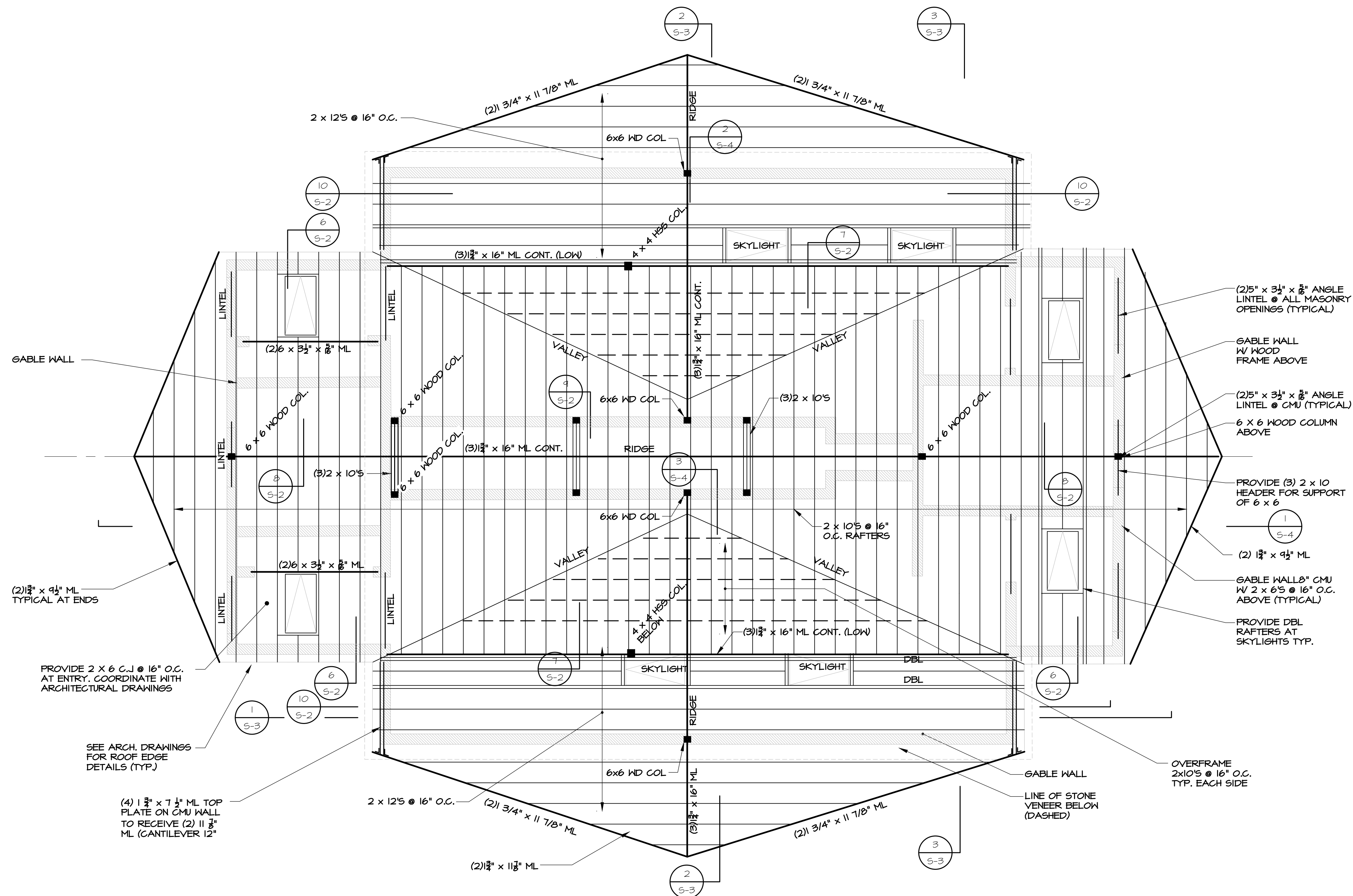
DEMOLITION AND REBUILD OF BATHHOUSES
BURLINGAME STATE PARK AND CAMPGROUND
CHARLESTOWN, RHODE ISLAND

BATHHOUSES AT MILLS CAMP, AREA A and AREA B
FOUNDATION PLAN

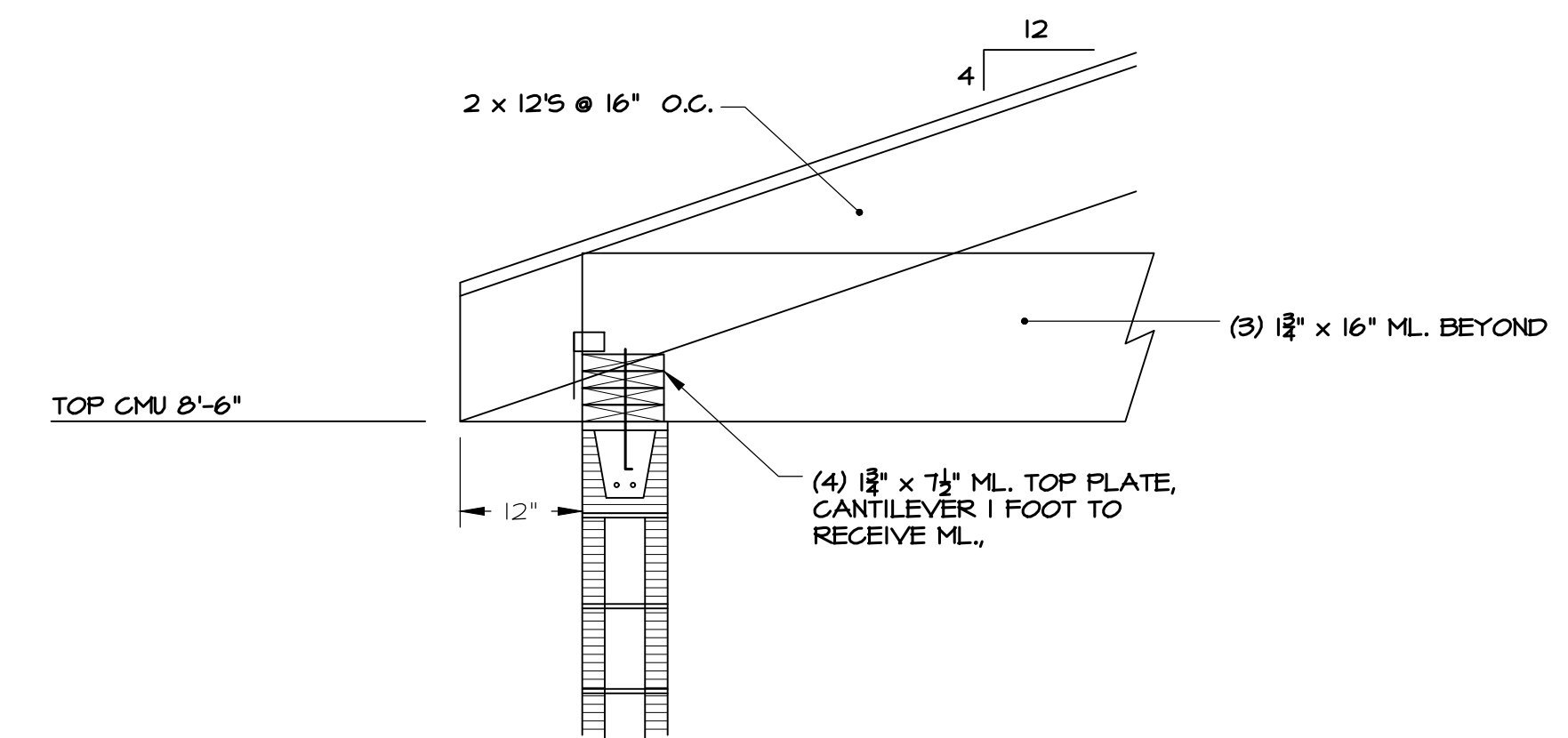
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Contract No. x _____ Date: MARCH 6, 2023

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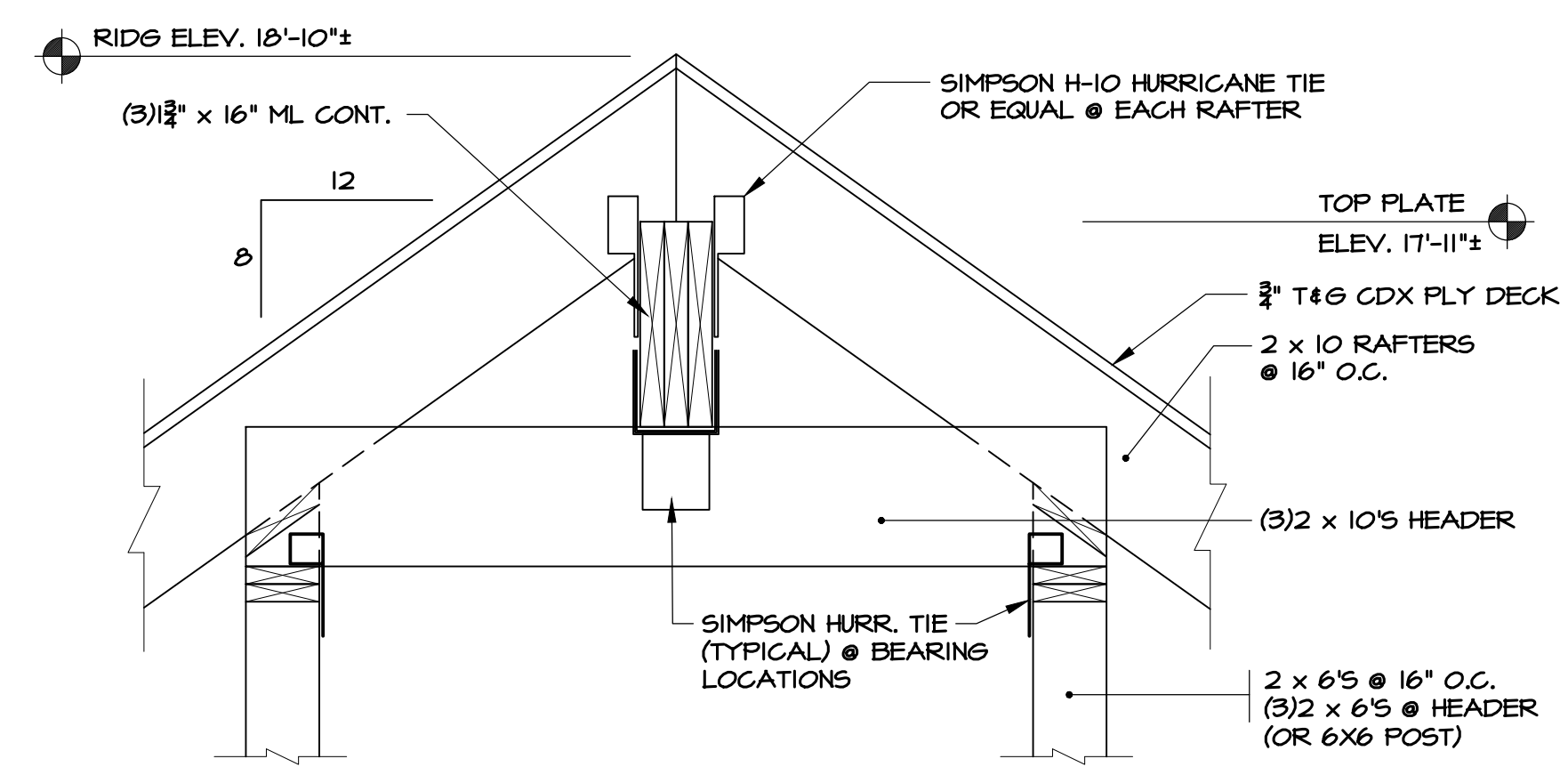
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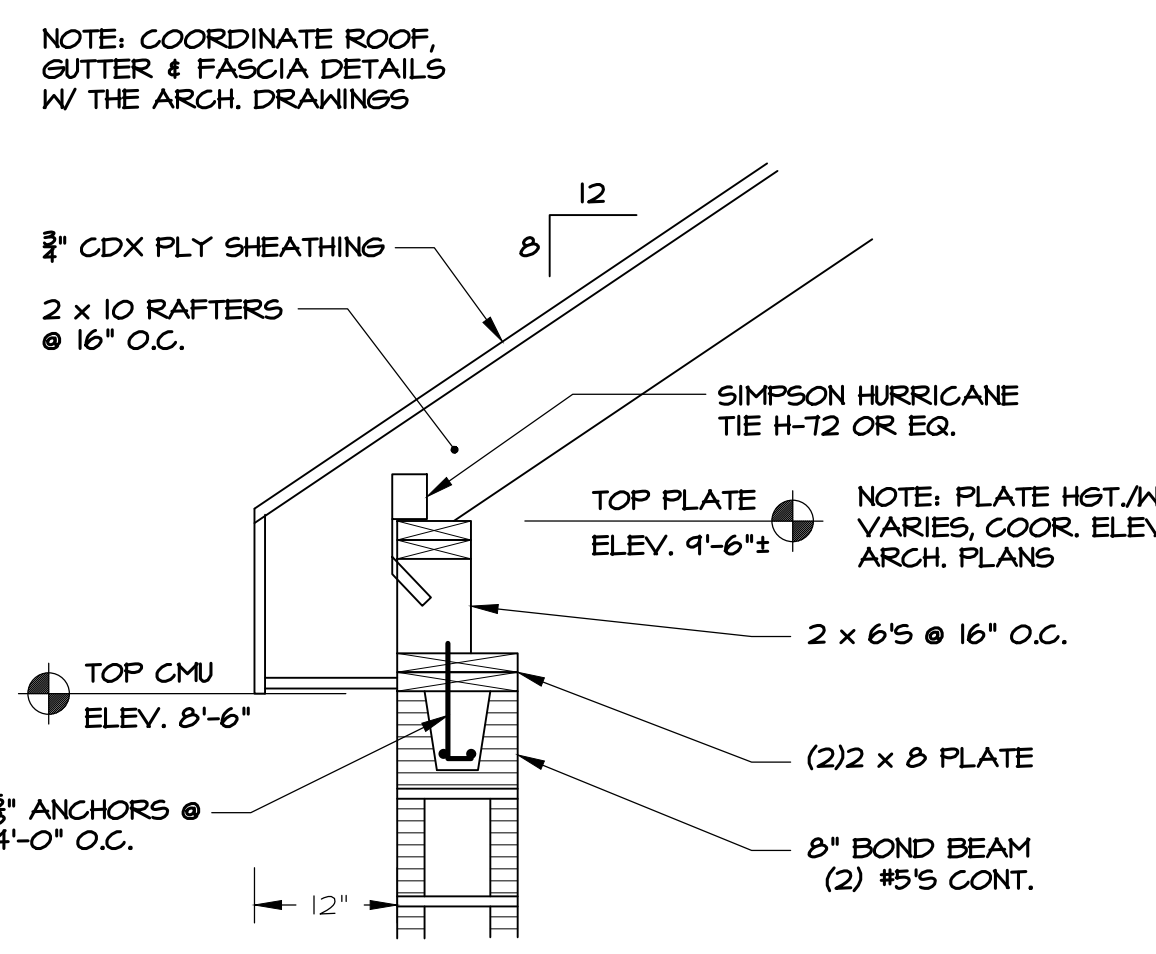
ROOF FRAMING PLAN
SCALE: 1/4" = 1'-0"



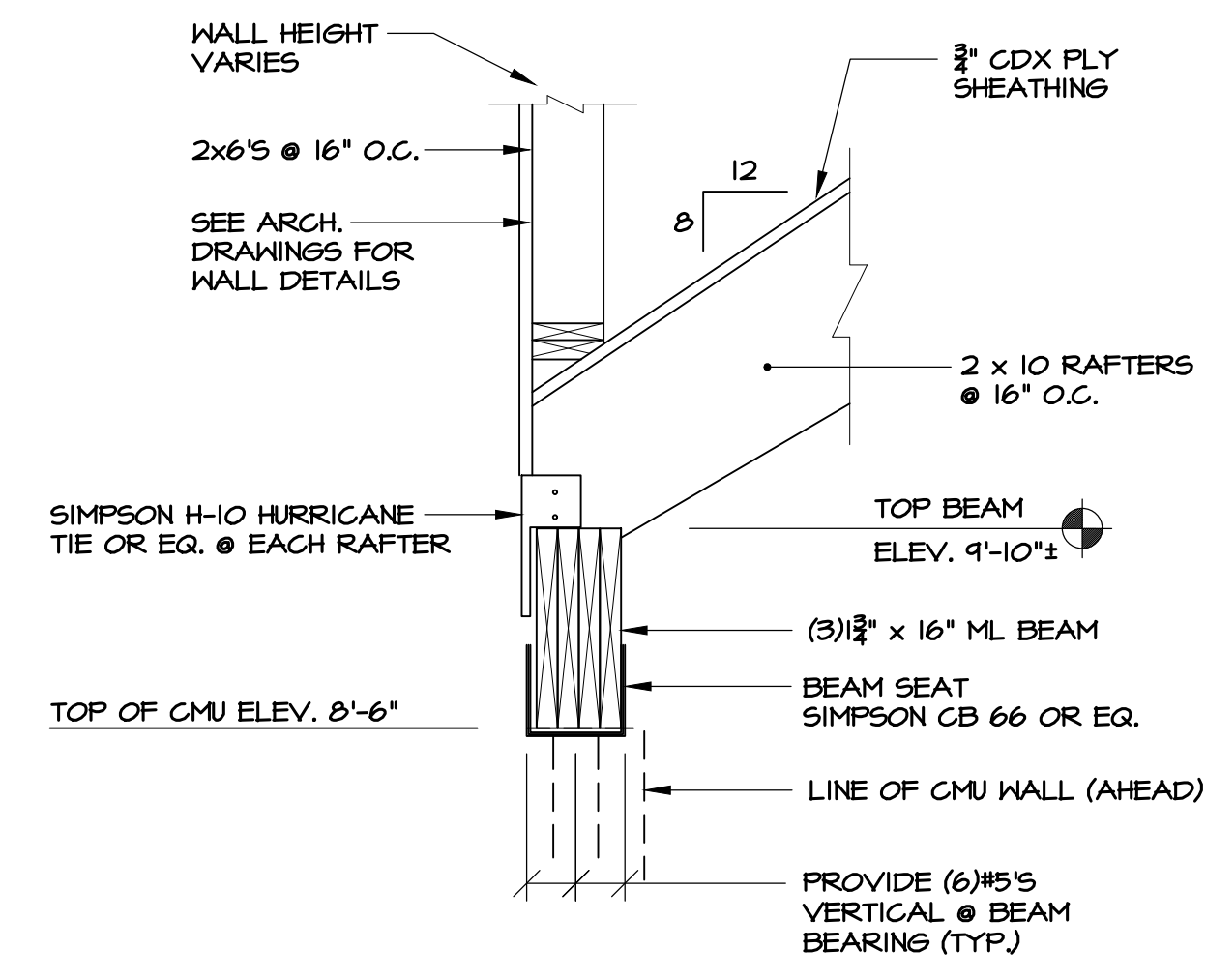
SECTION AT TOP OF WALL
SCALE: 3/4" = 1'-0"



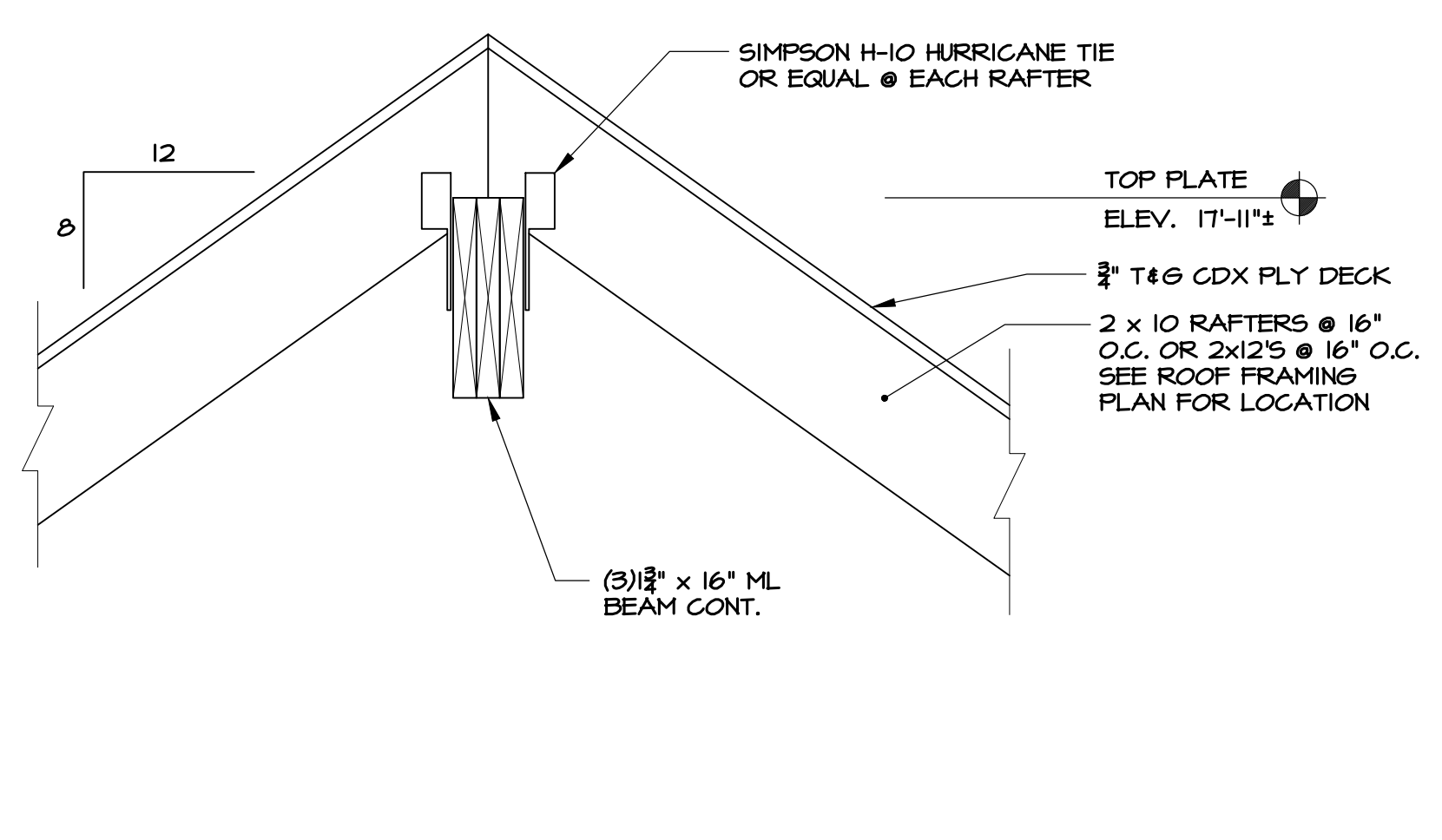
RIDGE FRAMING DETAIL
SCALE: 1" = 1'-0"



SECTION @ TOP WALL
SCALE: 3/4" = 1'-0"



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



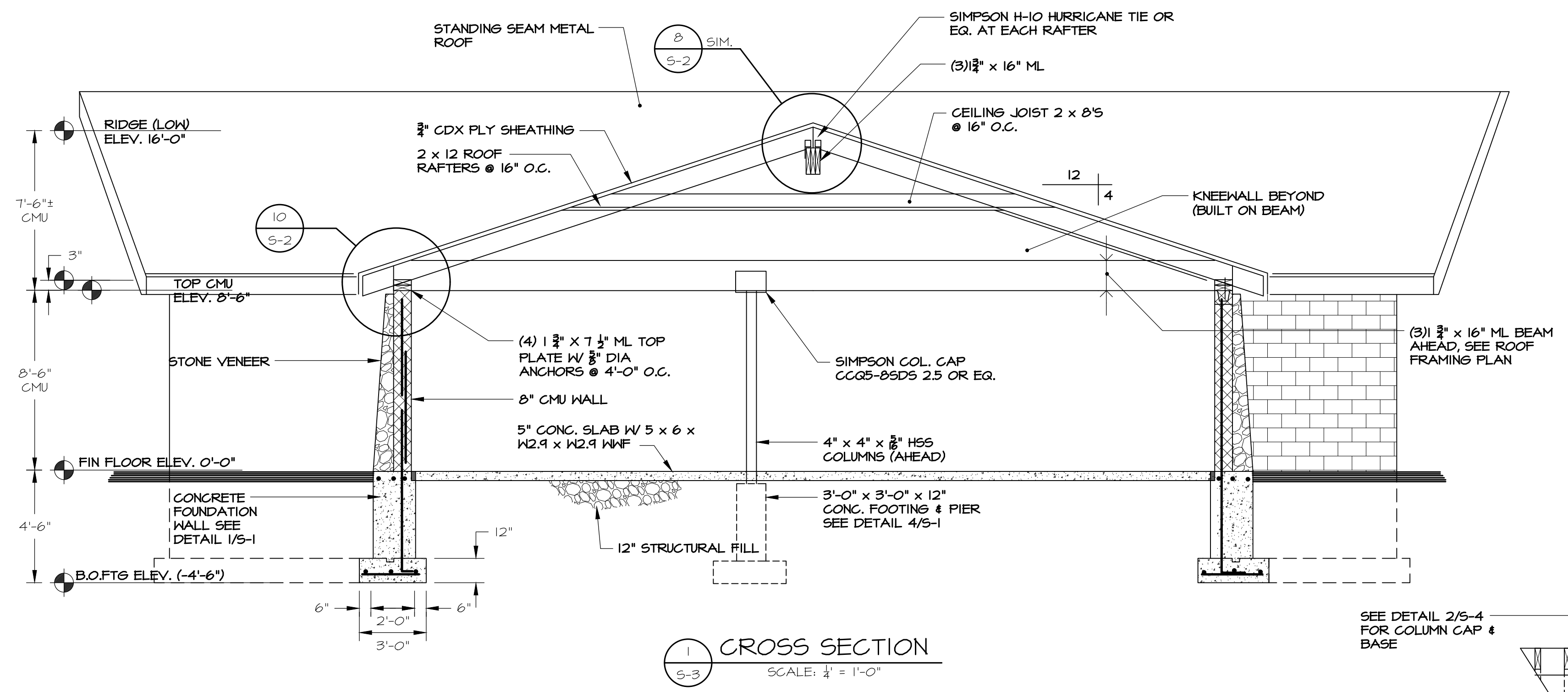
RIDGE FRAMING DETAIL
SCALE: 3/4" = 1'-0"

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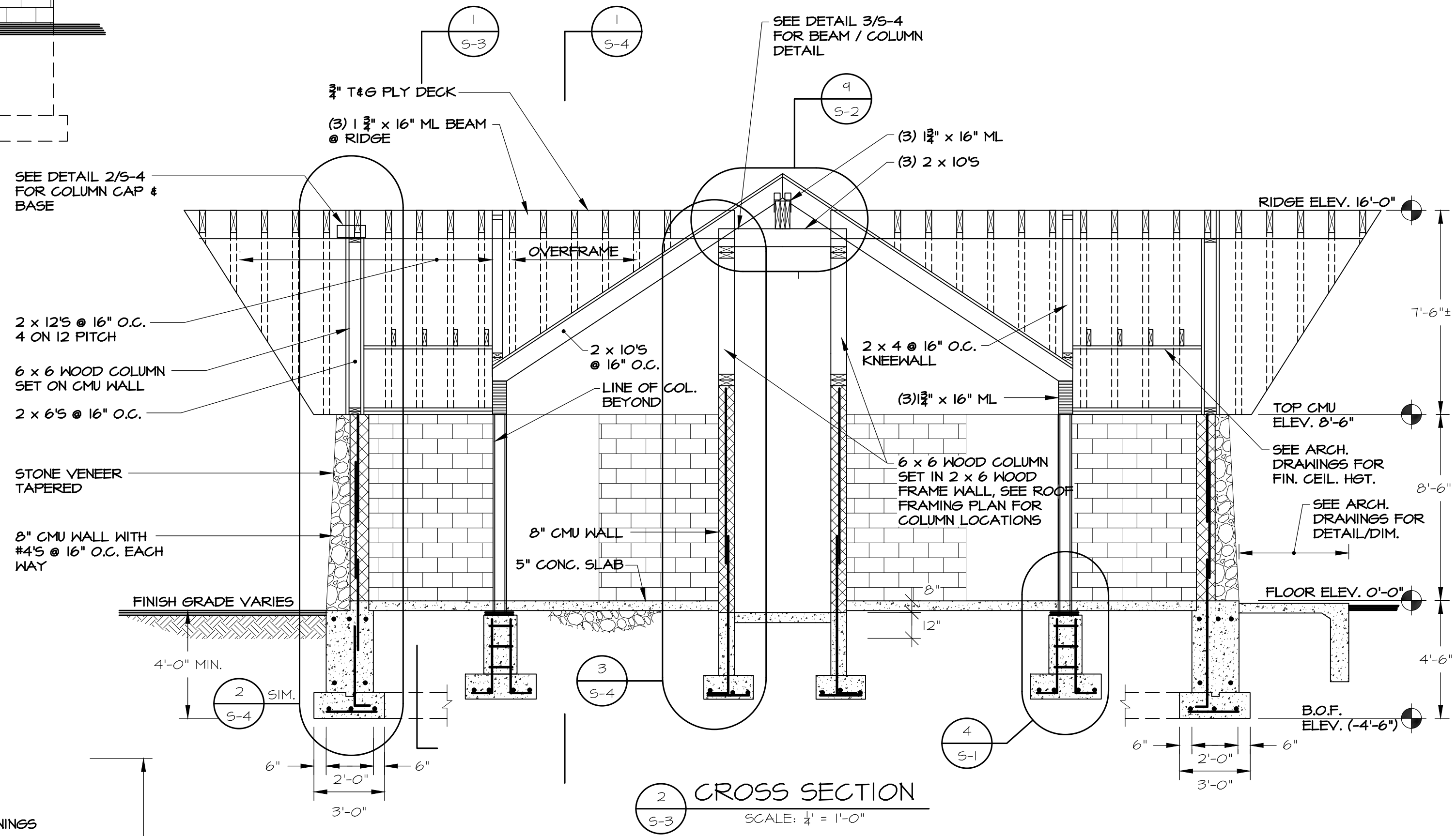
STATE OF RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT DIVISION OF PLANNING AND DEVELOPMENT		
DEMOLITION AND REBUILD OF BATHHOUSES BURLINGAME STATE PARK AND CAMPGROUND CHARLESTOWN, RHODE ISLAND		
BATHHOUSES AT MILLS CAMP, AREA A and AREA B FRAMING PLAN		
Dwg:	Scale: VARIES - AS NOTED	S-2
Contract No. x	Date: MARCH 6, 2023	27 OF 106

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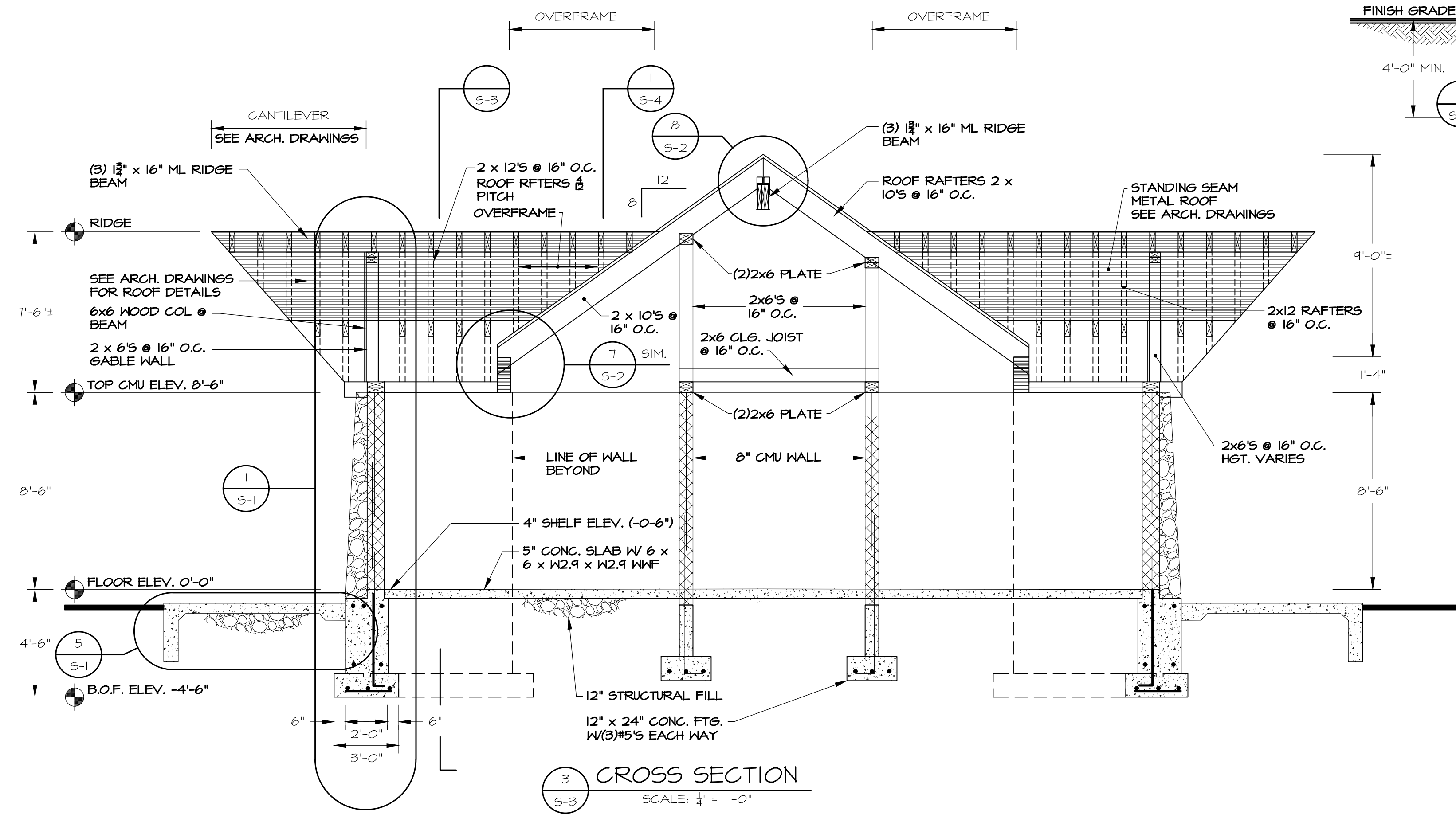
BURLINGAME STATE PARK AND CAMPGROUND



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



2 CROSS SECTION
SCALE: 1/4" = 1'-0"

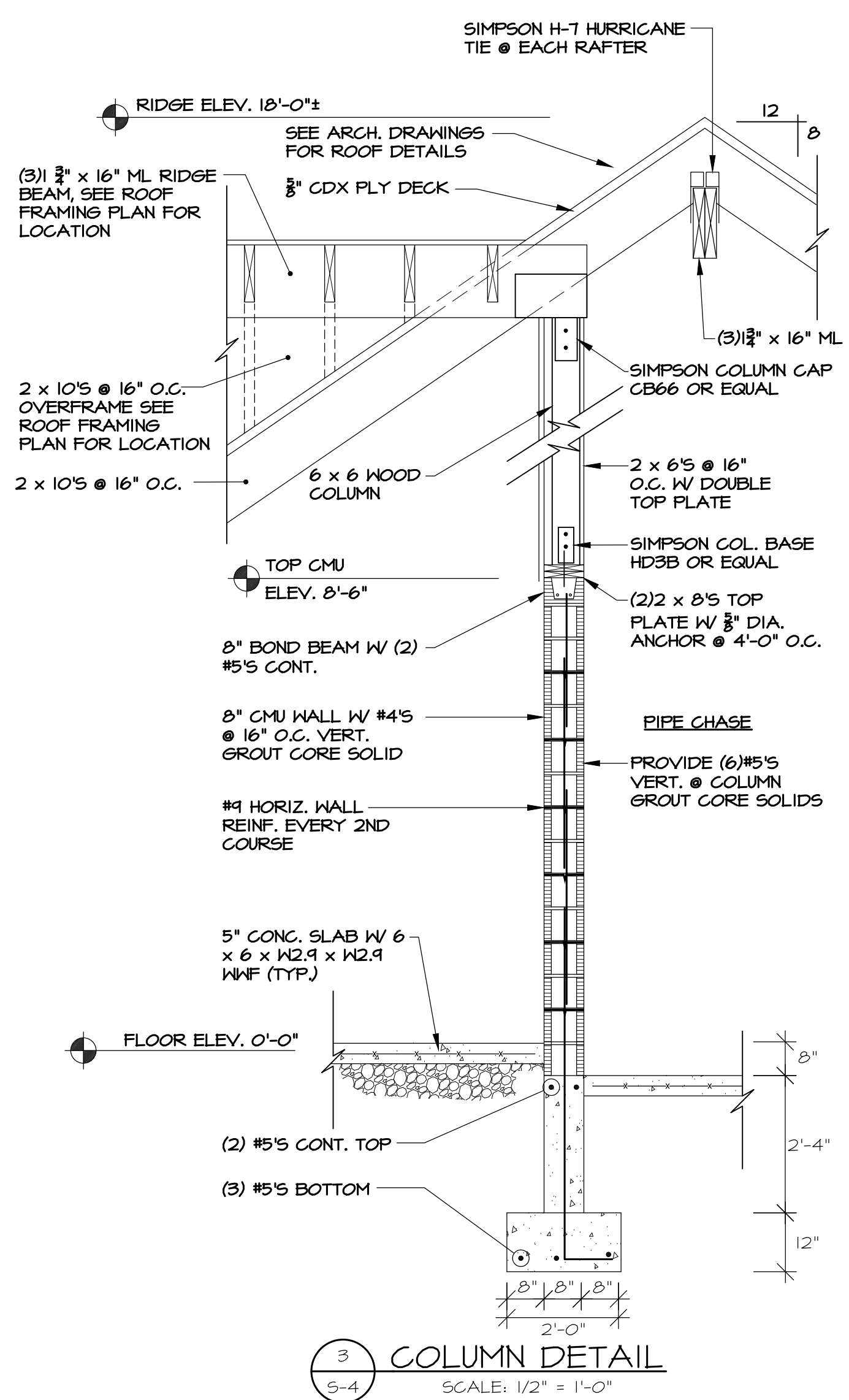
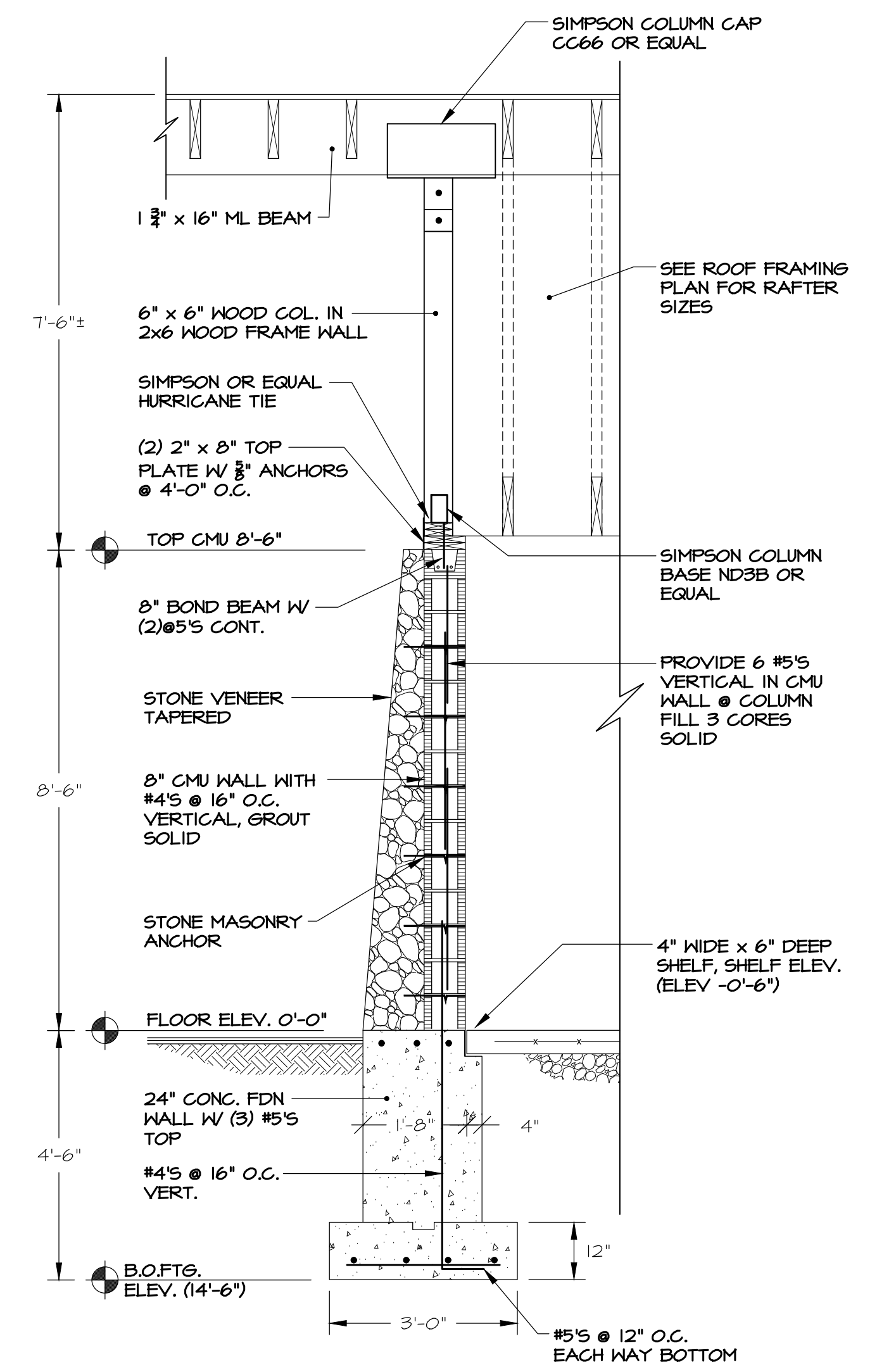
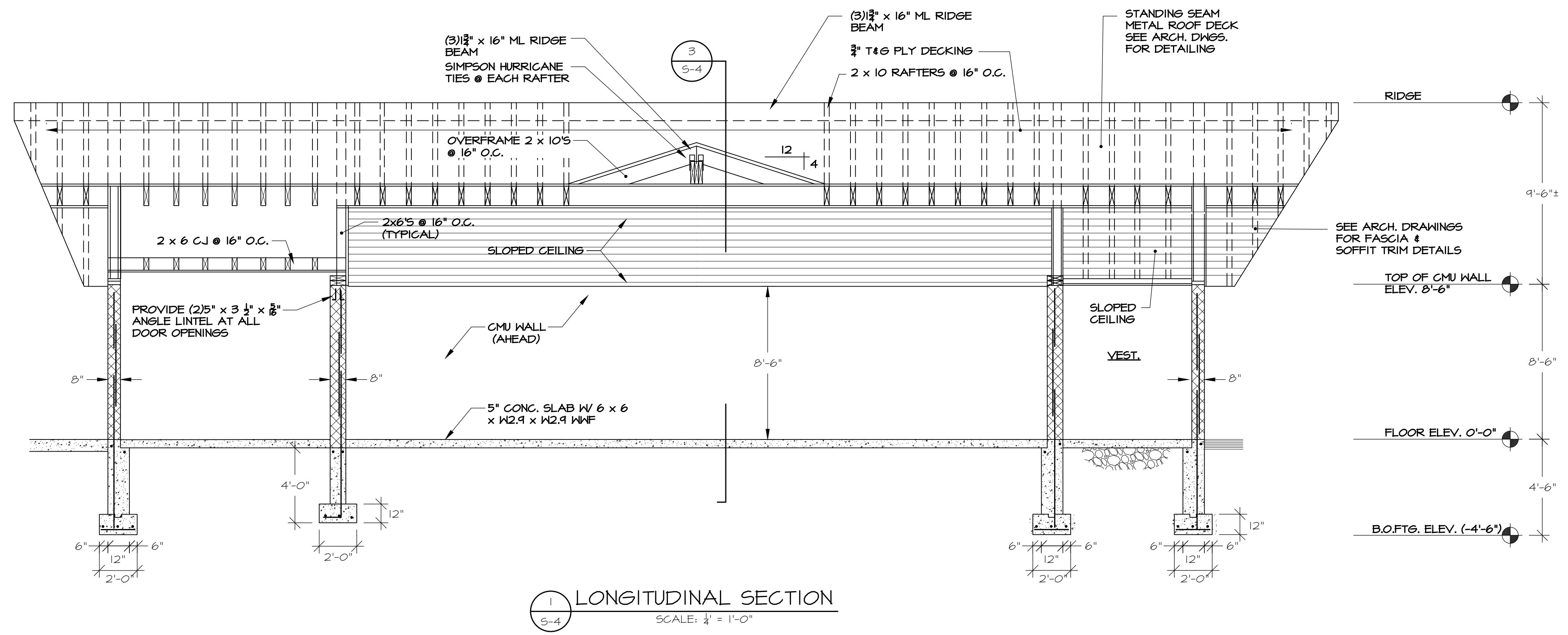


3 CROSS SECTION
SCALE: 1/4" = 1'-0"

	STATE OF RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT DIVISION OF PLANNING AND DEVELOPMENT	
	DEMOLITION AND REBUILD OF BATHHOUSES BURLINGAME STATE PARK AND CAMPGROUND CHARLESTOWN, RHODE ISLAND	
BATHHOUSES AT MILLS CAMP, AREA A and AREA B SECTIONS		
Dwg:	Scale: VARIES - AS NOTED	S-3 28 OF 106
Contract No. x	Date: MARCH 6, 2023	

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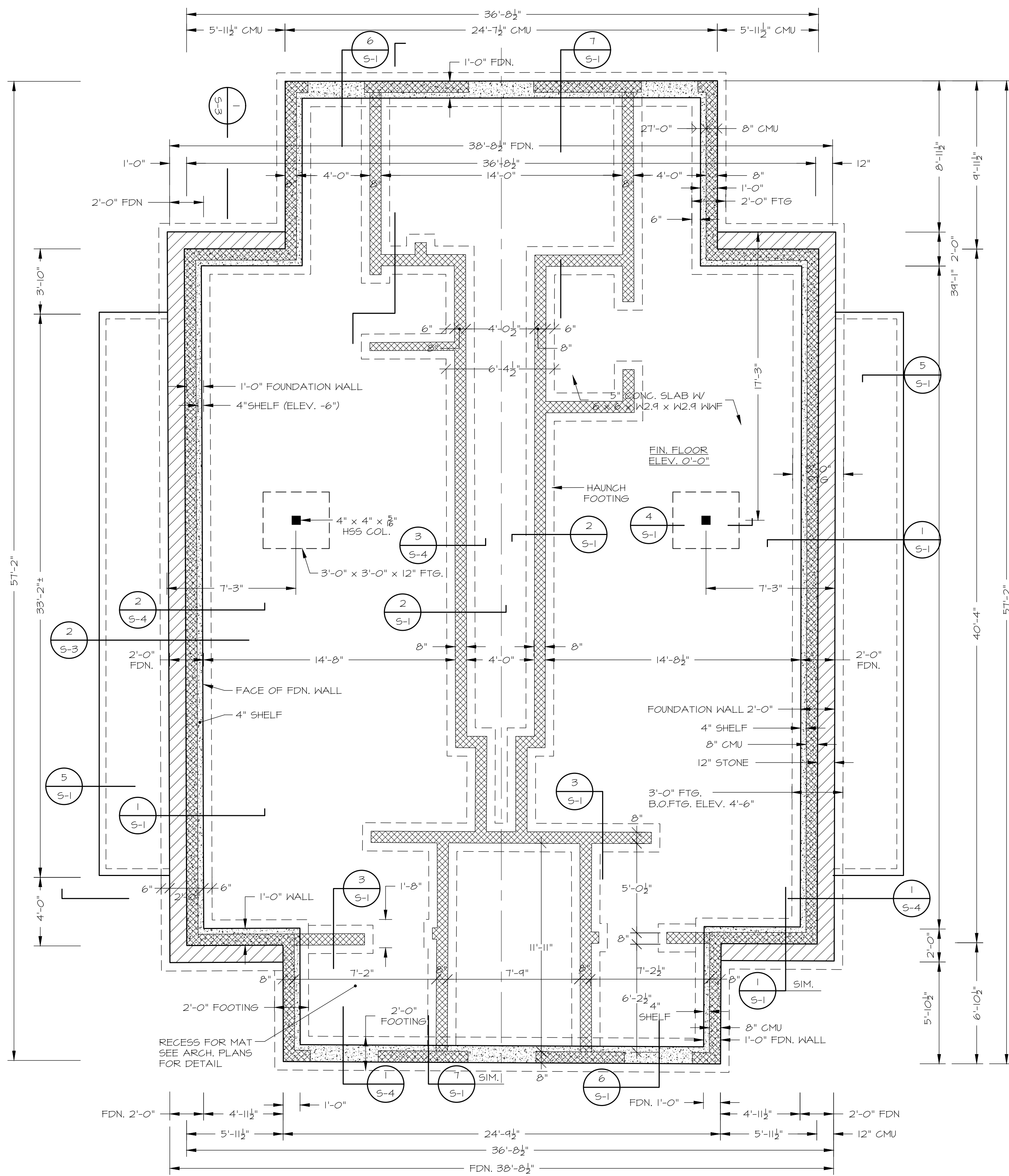
BURLINGAME STATE PARK AND CAMPGROUND



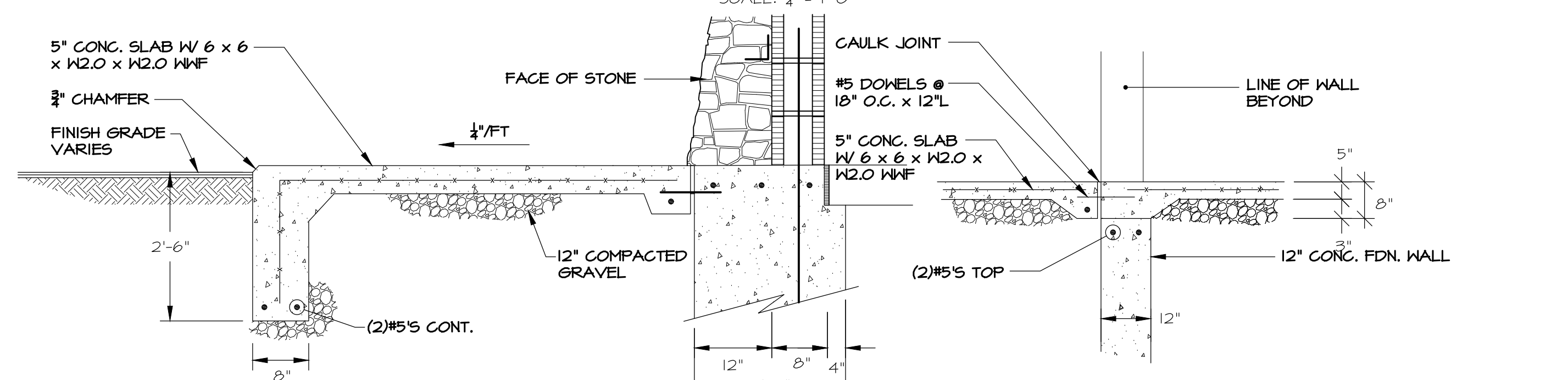
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BATHHOUSES AT MILLS CAMP, AREA A and AREA B SECTIONS		
Dwg:	Scale: VARIES - AS NOTED	S-4
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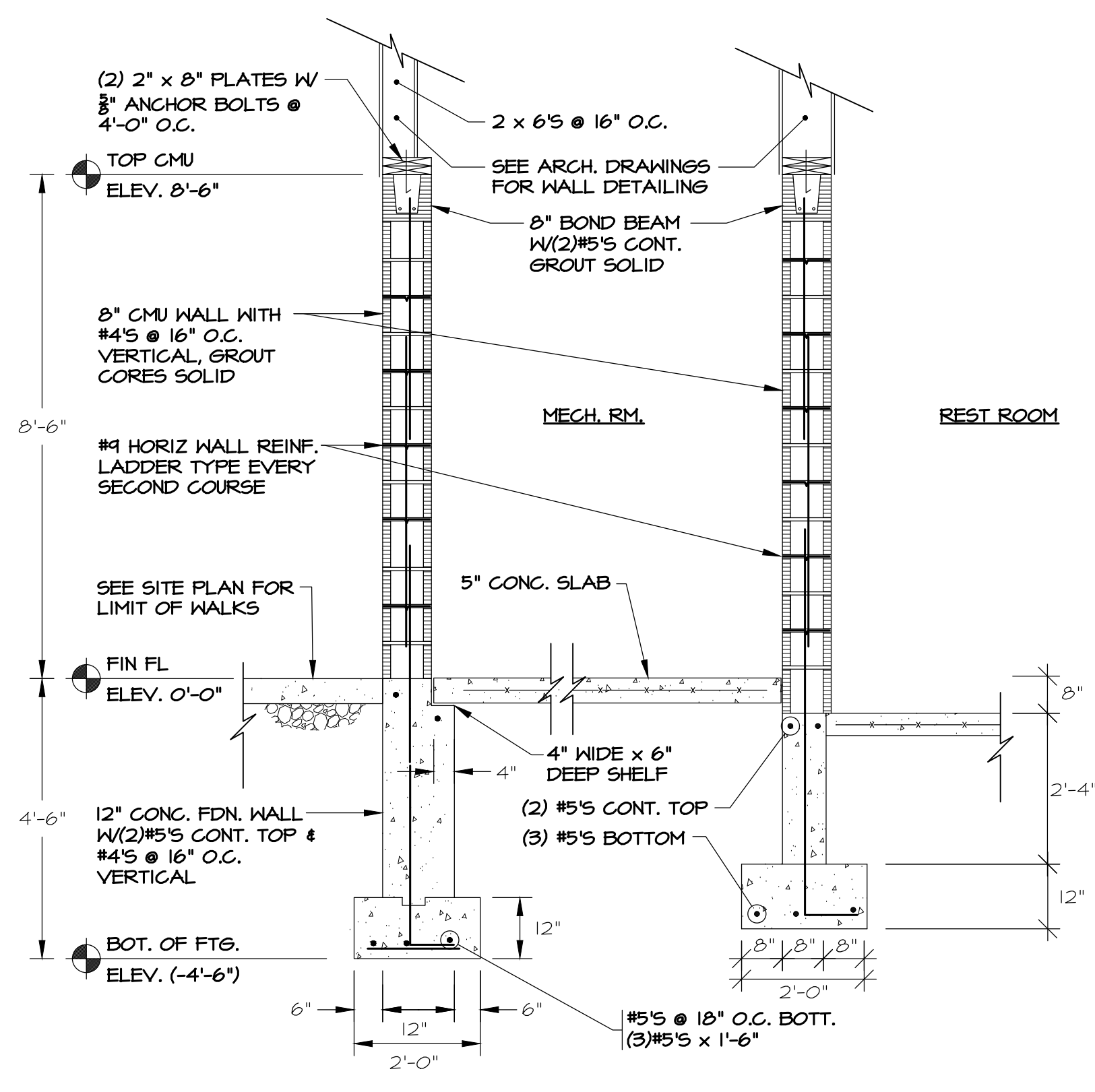


FOUNDATION PLAN
SCALE: 1/4" = 1'-0"

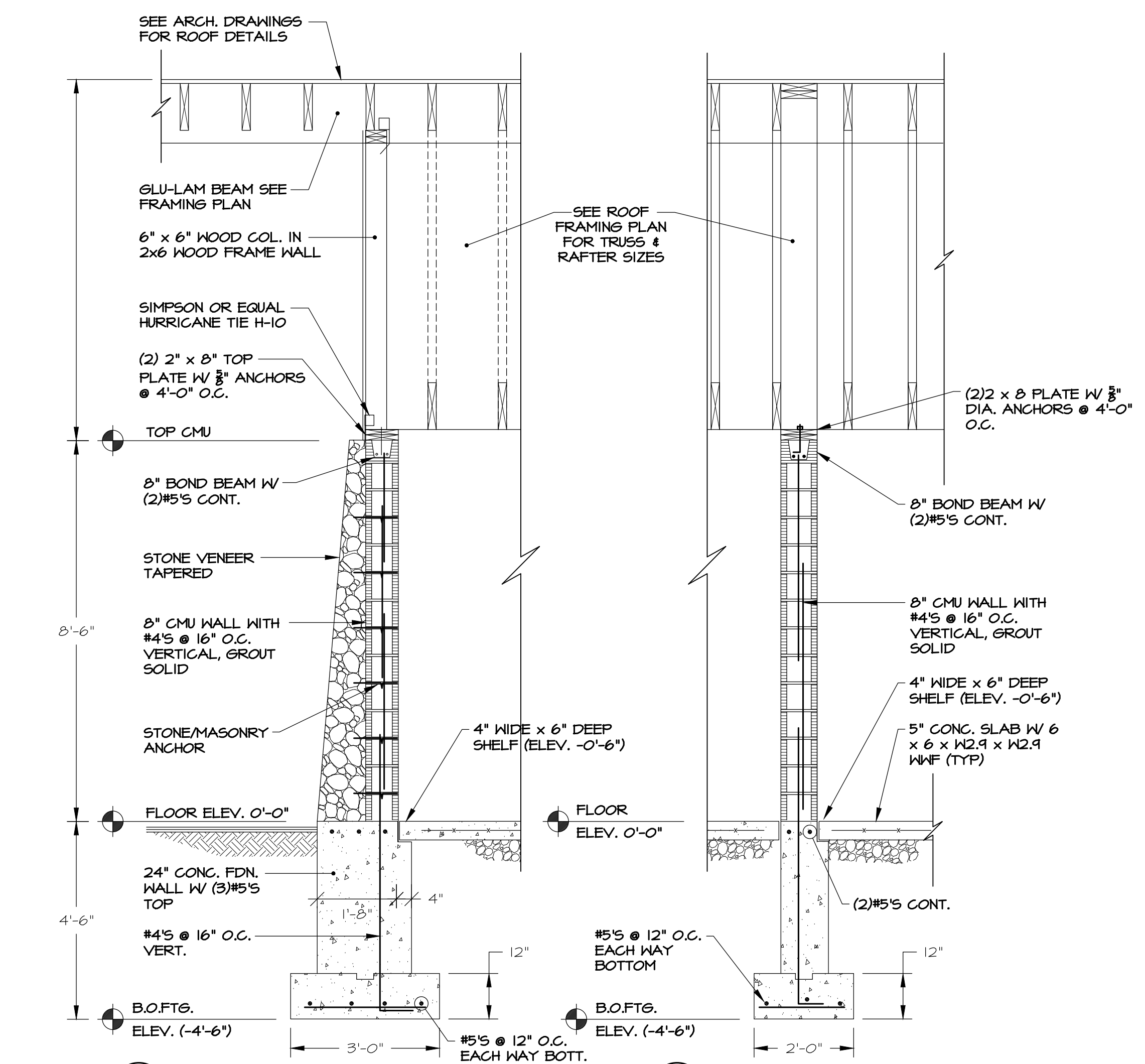


5 SLAB @ OUTDOOR SHOWERS
SCALE: 3/4" = 1'-0"

6 HAUNCH DETAIL @ DOOR
SCALE: 1/2" = 1'-0"

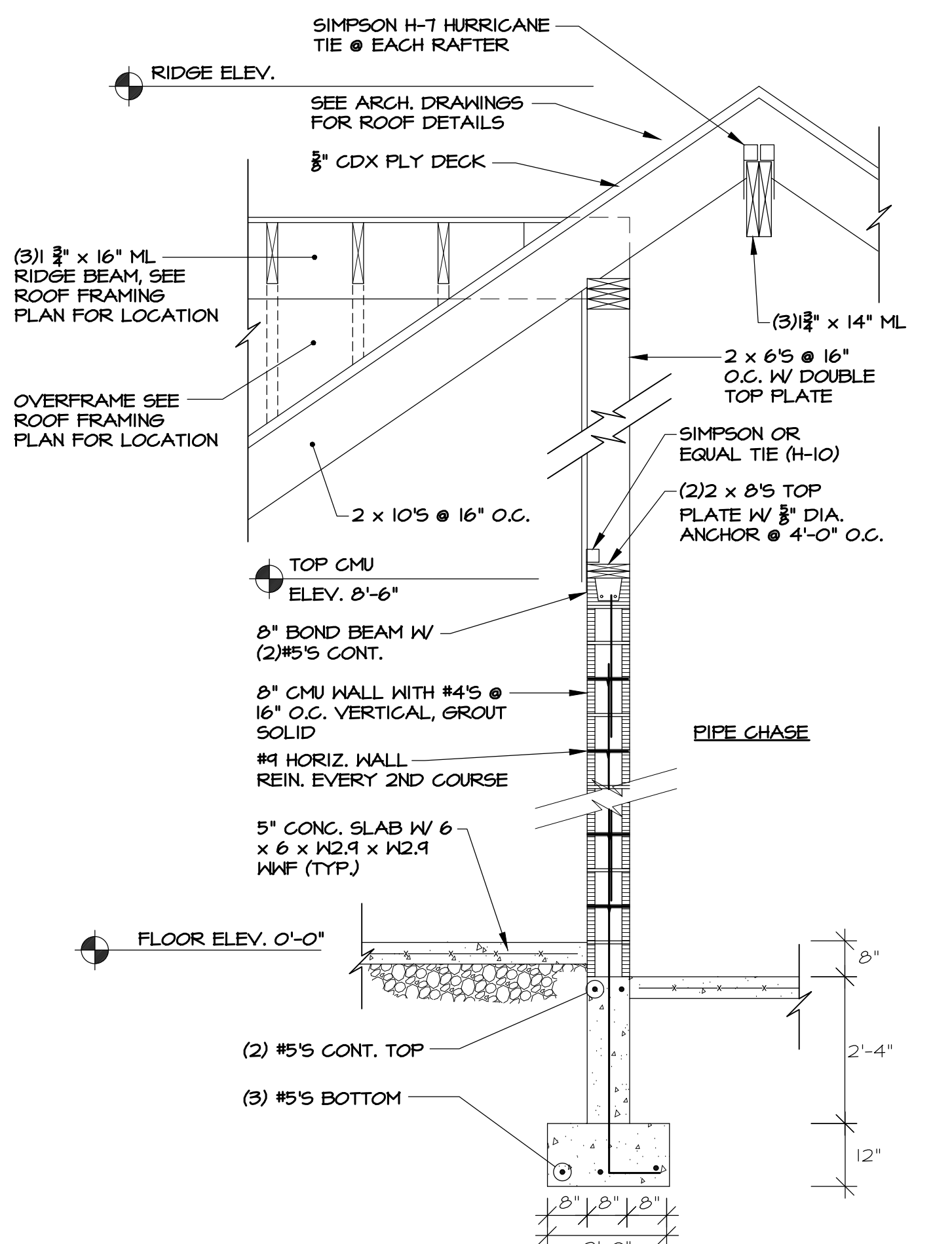


7 DETAIL @ MECH. CHASE
SCALE: 1/2" = 1'-0"



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

3 WALL DETAIL @ VEST.
SCALE: 1/2" = 1'-0"



2 DETAIL @ MECH. CHASE
SCALE: 1/2" = 1'-0"

4 FOOTING DETAIL
SCALE: 1" = 1'-0"

STATE OF RHODE ISLAND
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DIVISION OF PLANNING AND DEVELOPMENT

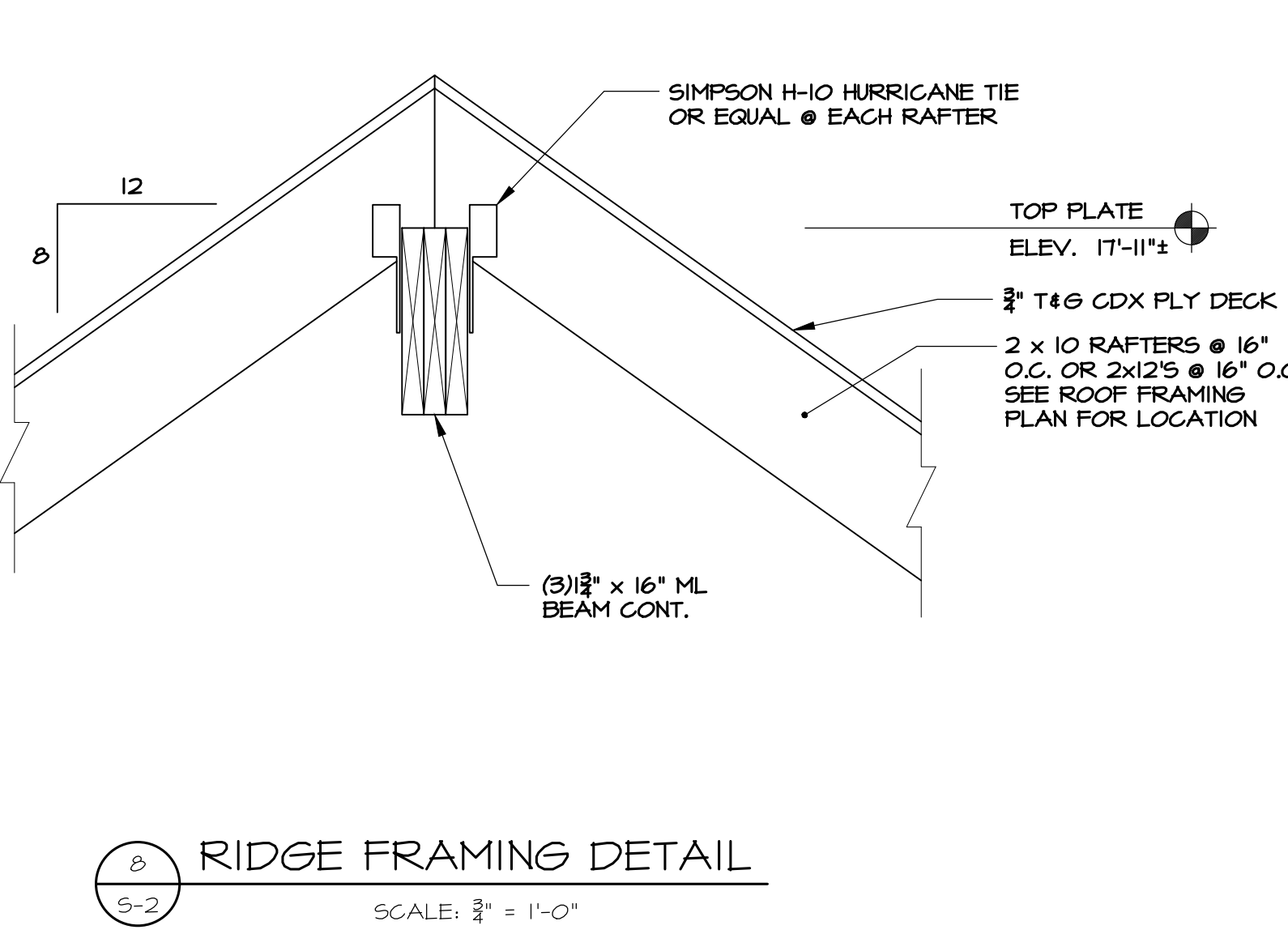
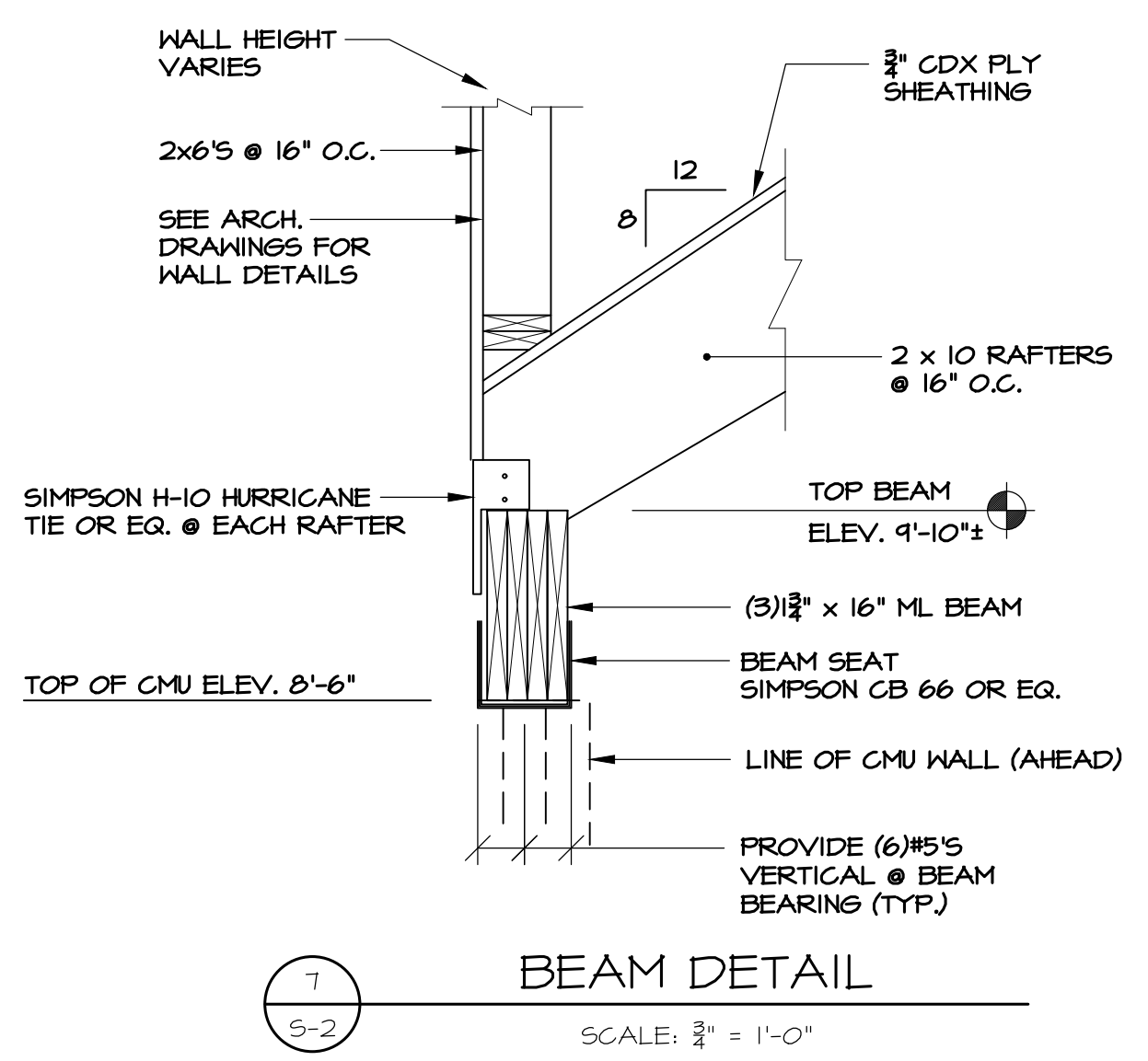
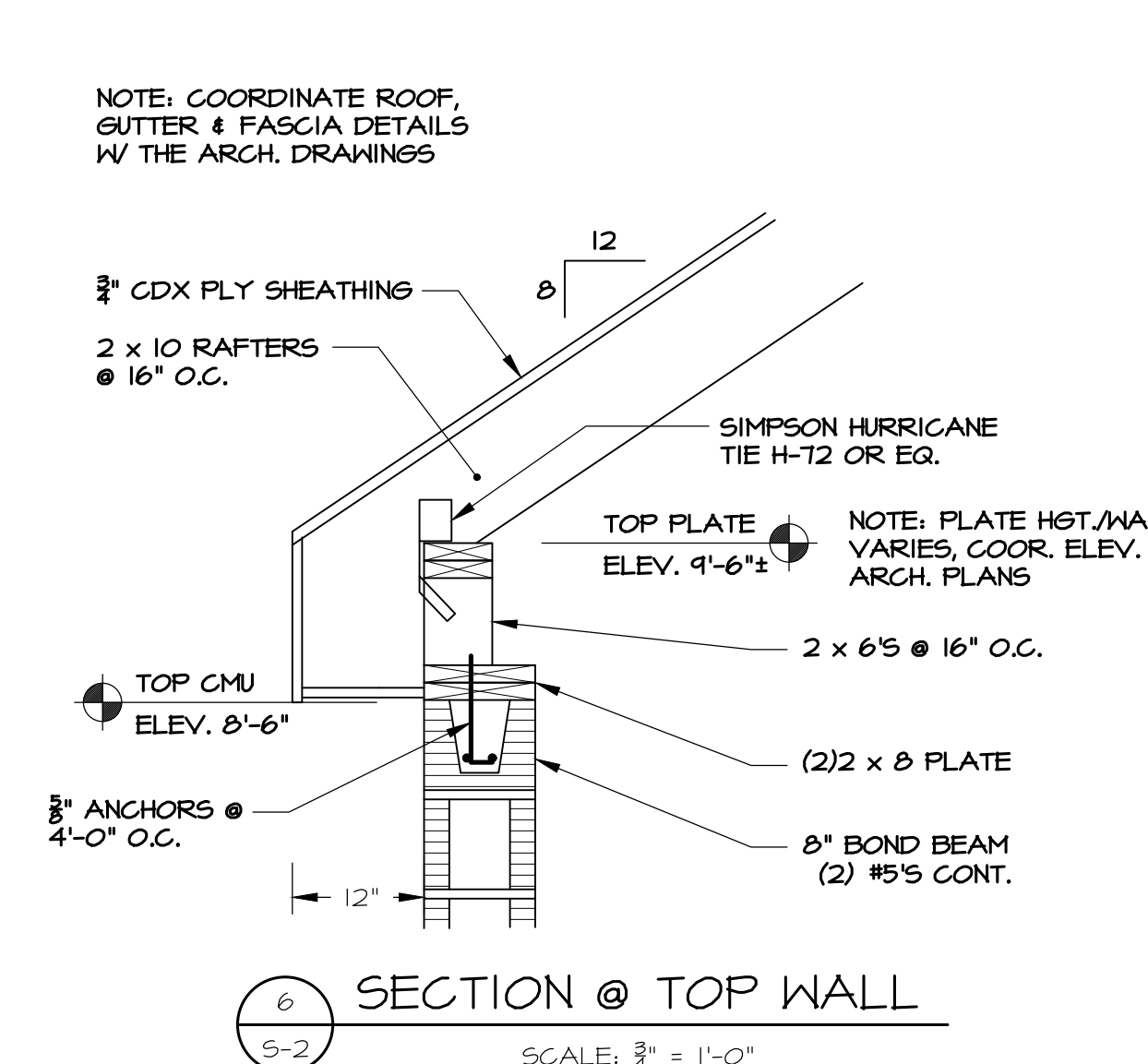
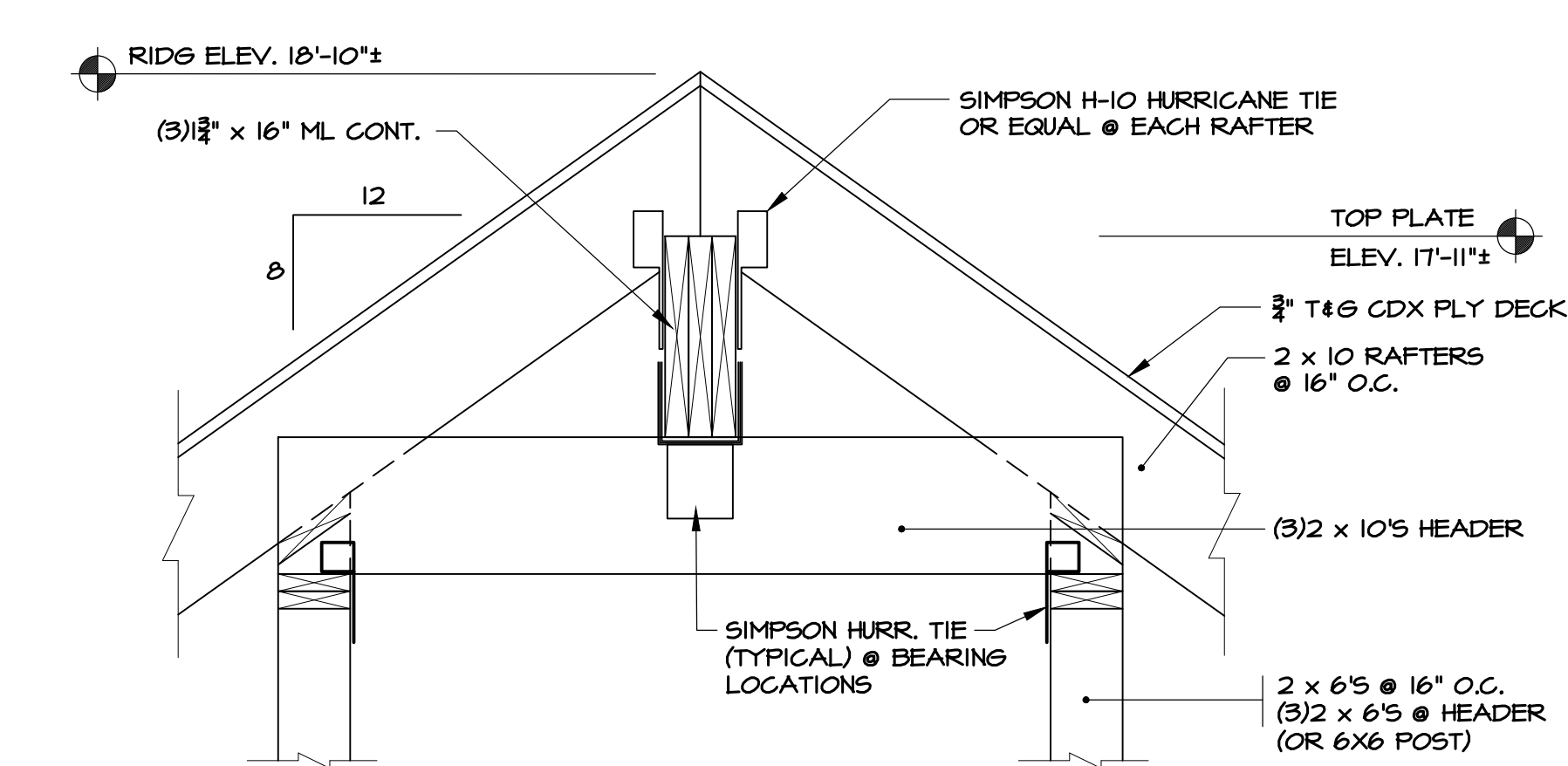
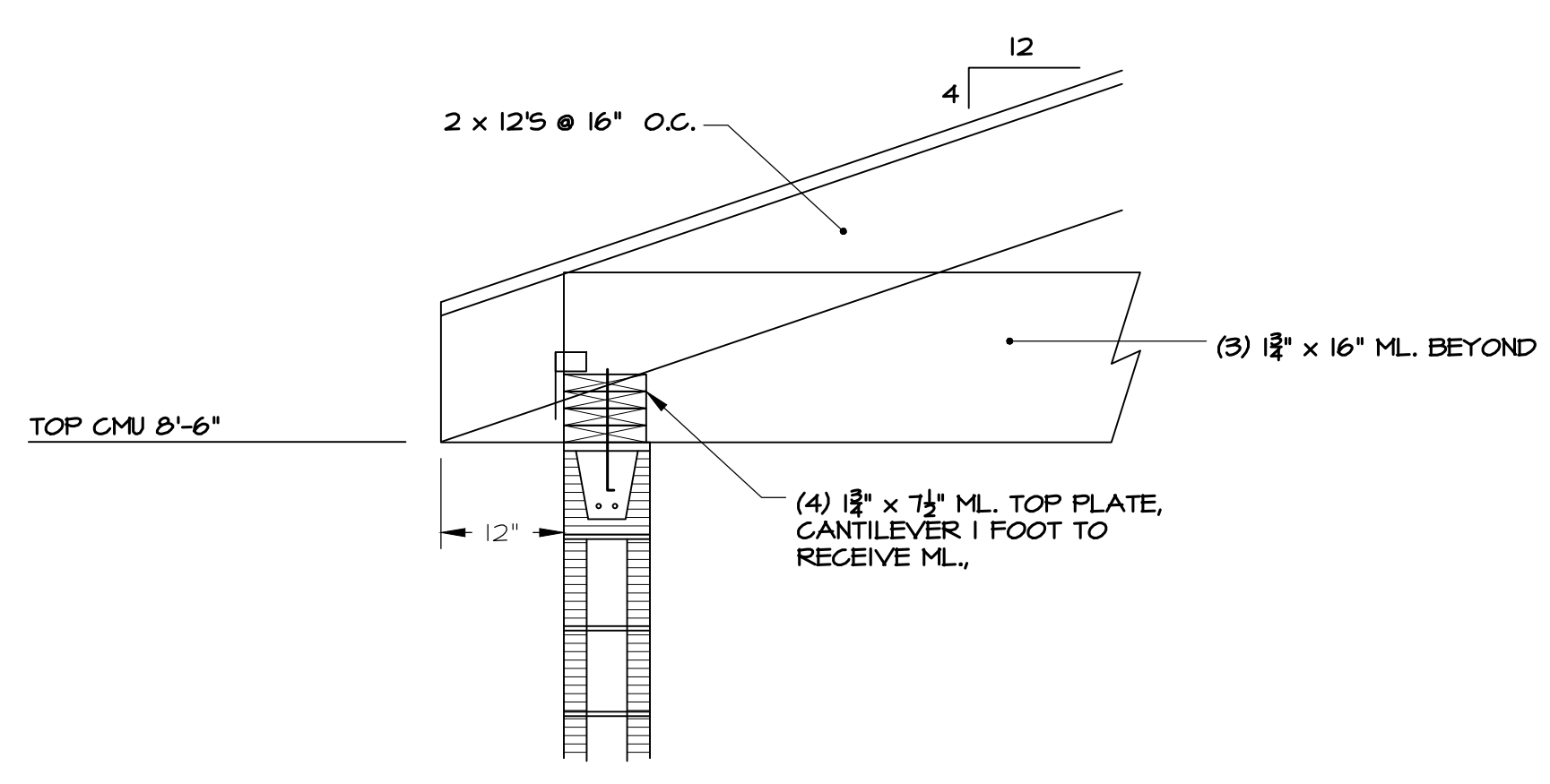
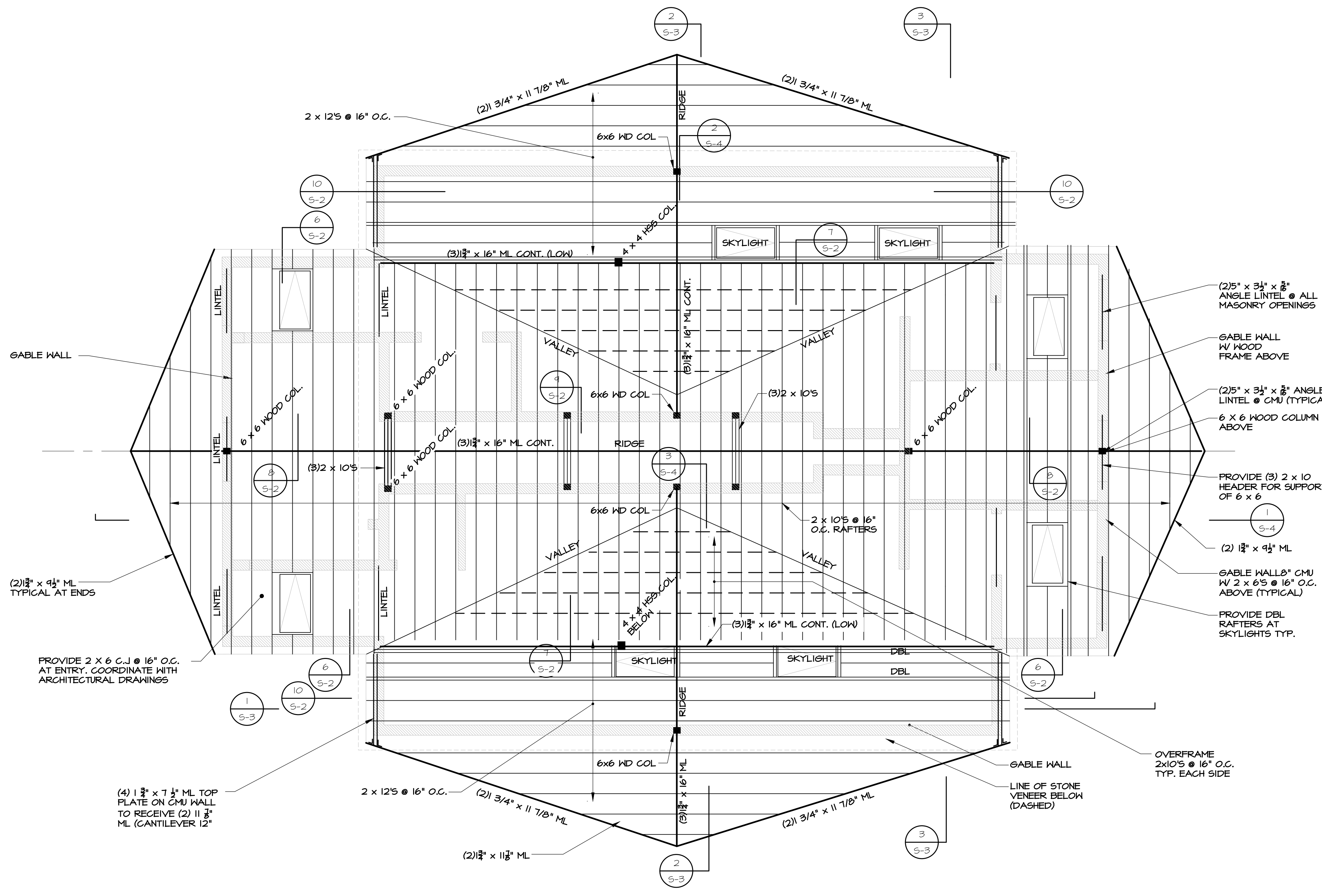
DEMOLITION AND REBUILD OF BATHHOUSES
BURLINGAME STATE PARK AND CAMPGROUND
CHARLESTOWN, RHODE ISLAND

BATHHOUSES AT FISH CAMP, MAIN CAMP and LEGIONTOWN
FOUNDATION PLAN

Dwg. Scale: VARIES - AS NOTED
Contract No. x Date: MARCH 6, 2023

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BURLINGAME STATE PARK AND CAMPGROUND



STATE OF RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
DIVISION OF PLANNING AND DEVELOPMENT

DEMOLITION AND REBUILD OF BATHHOUSES
BURLINGAME STATE PARK AND CAMPGROUND
CHARLESTOWN, RHODE ISLAND

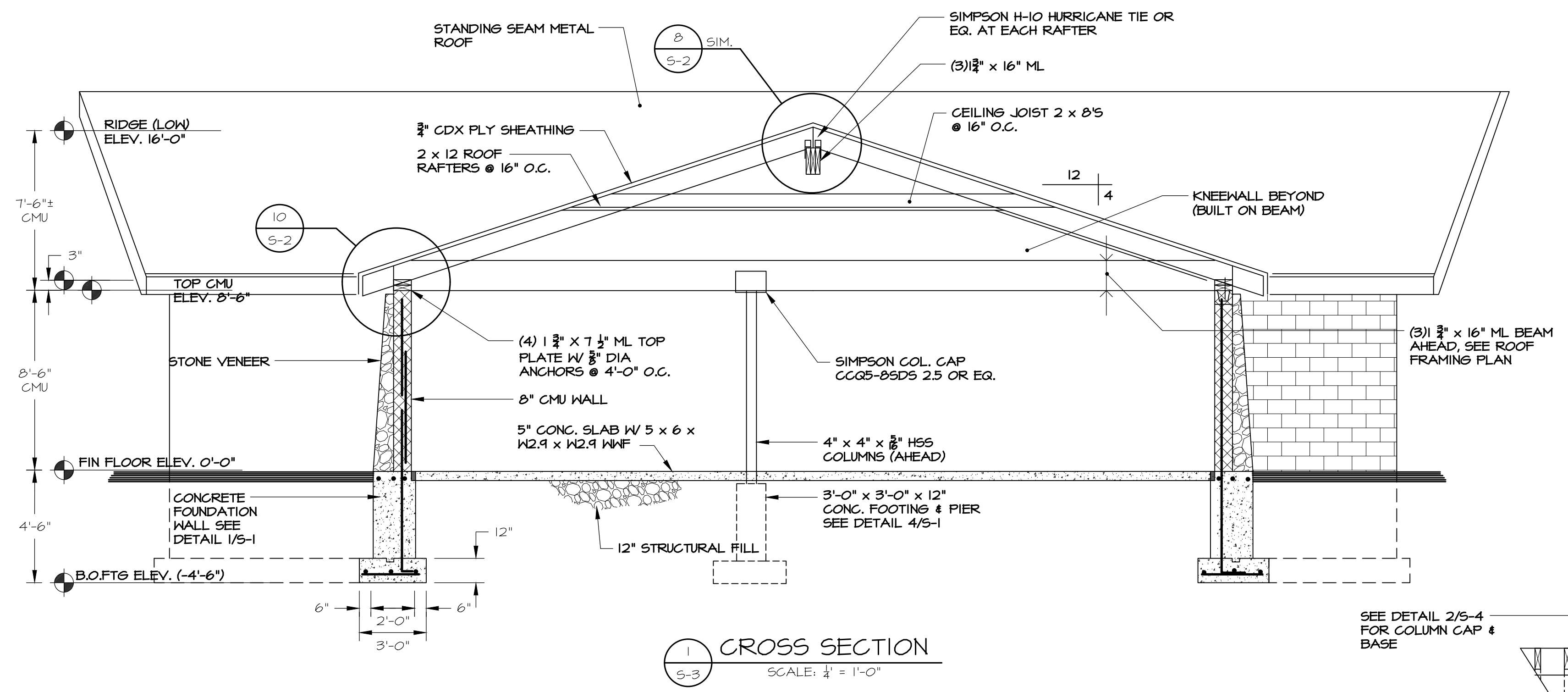
BATHHOUSES AT FISH CAMP, MAIN CAMP and LEGIONTOWN
FRAMING PLAN

Dwg: _____ Scale: VARIES - AS NOTED
Contract No. x _____ Date: MARCH 6, 2023

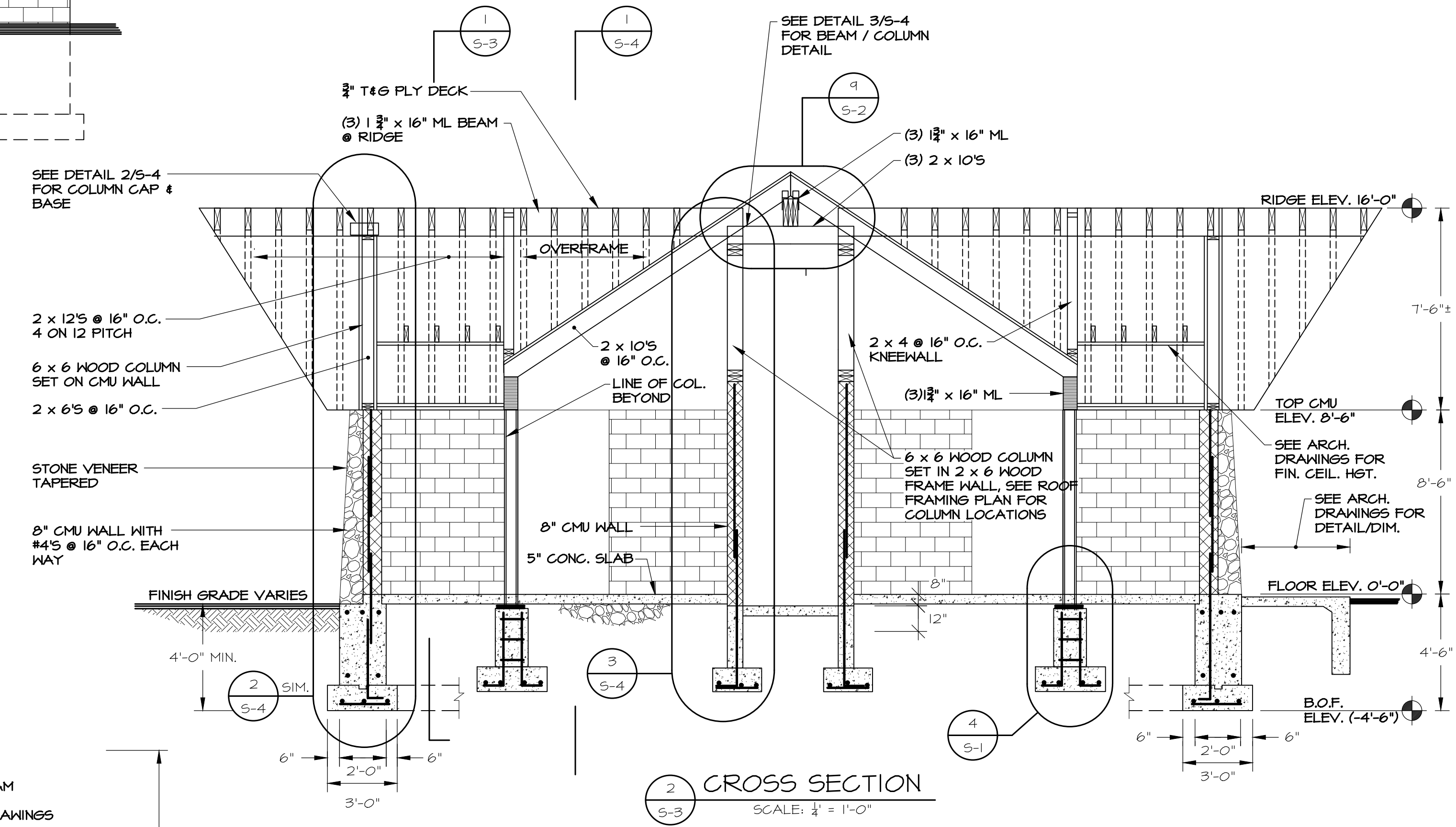
Sb-2
32 OF 106

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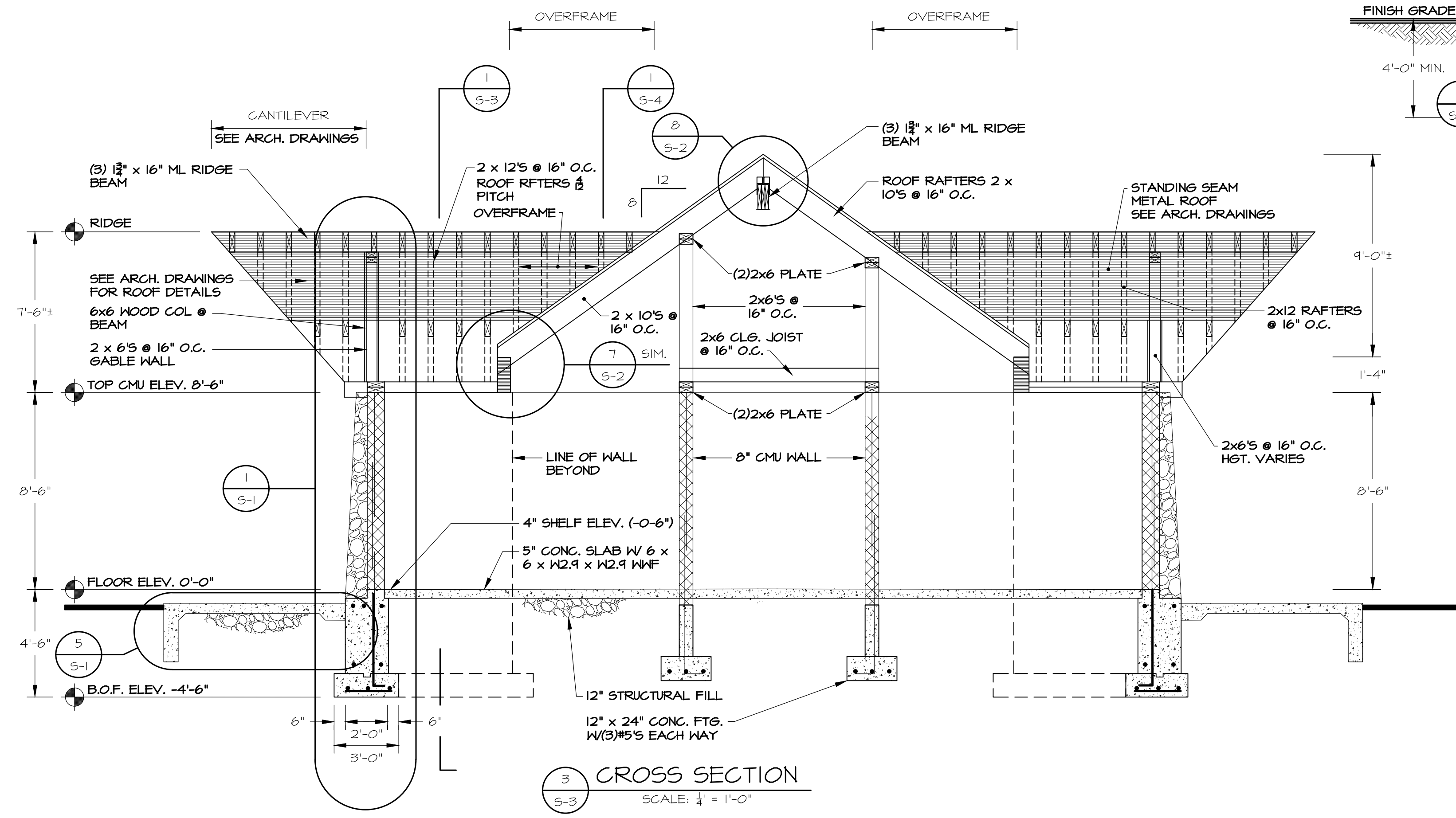
BURLINGAME STATE PARK AND CAMPGROUND




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



2 CROSS SECTION
SCALE: 1/4" = 1'-0"

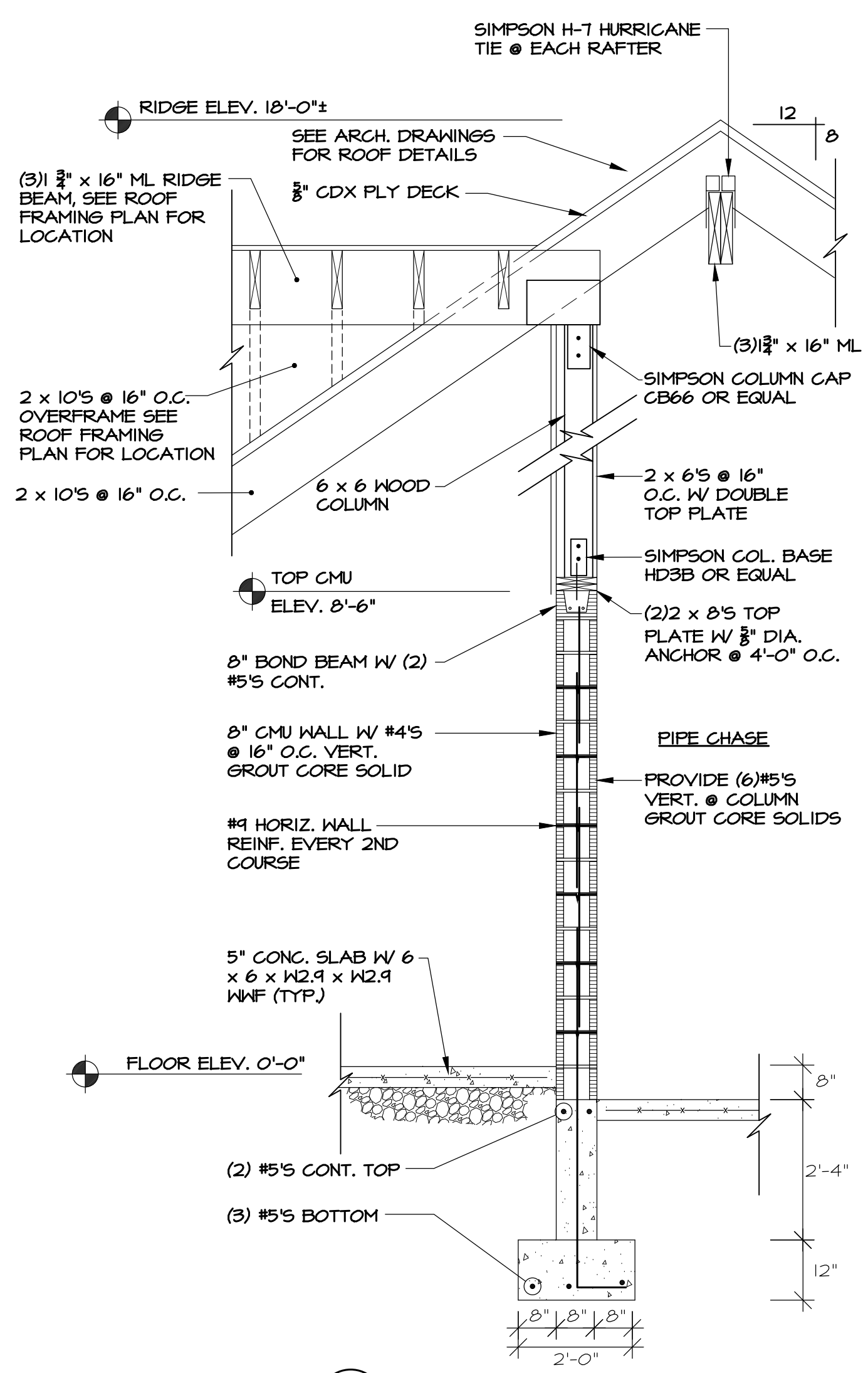
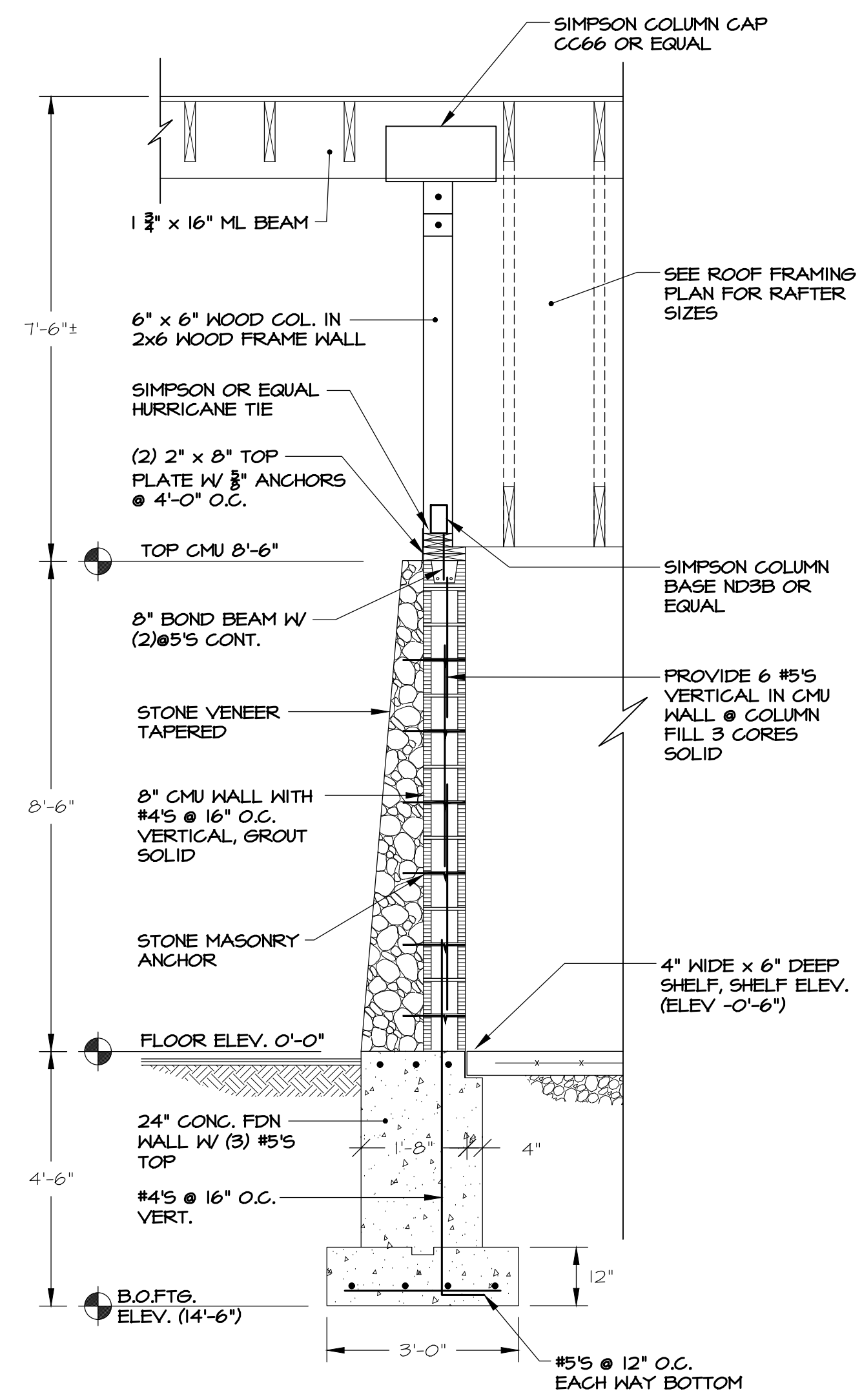
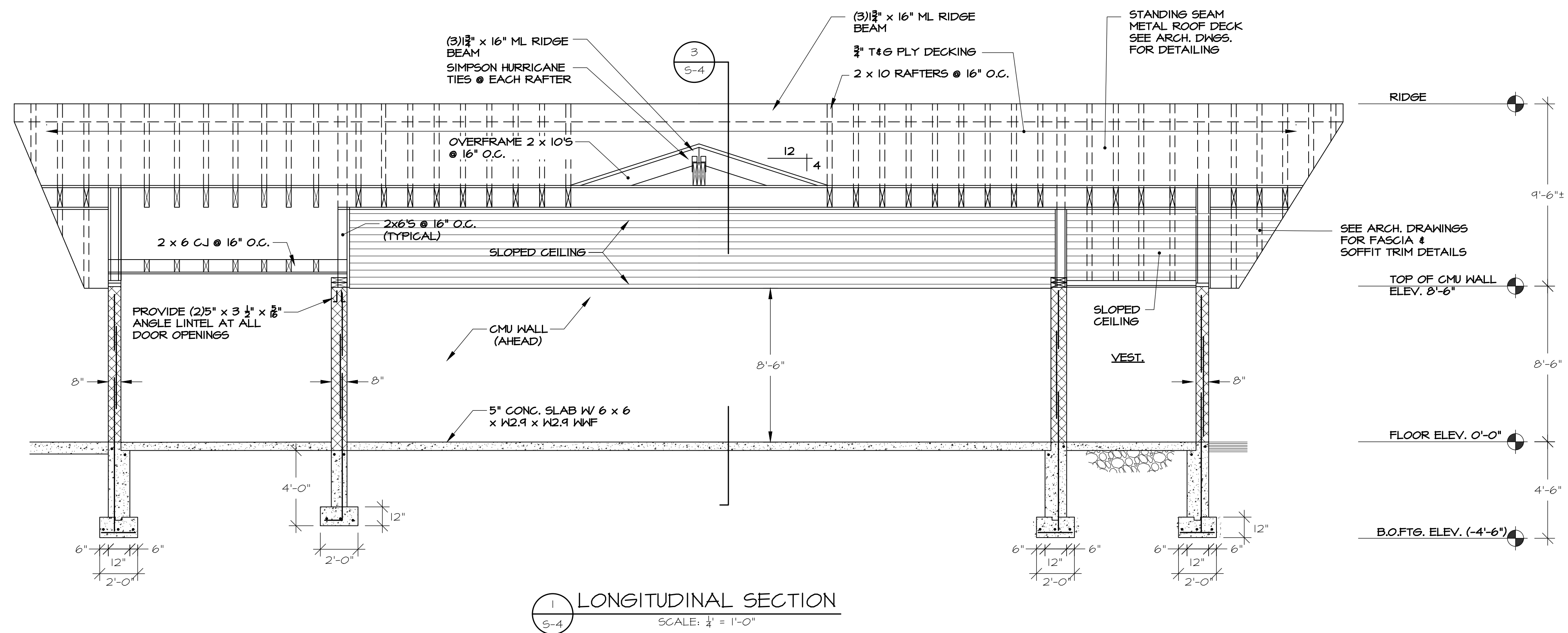


3 CROSS SECTION
SCALE: 1/4" = 1'-0"

 STATE OF RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT DIVISION OF PLANNING AND DEVELOPMENT	
DEMOLITION AND REBUILD OF BATHHOUSES BURLINGAME STATE PARK AND CAMPGROUND CHARLESTOWN, RHODE ISLAND	
BATHHOUSES AT FISH CAMP, MAIN CAMP and LEGIONTOWN SECTIONS	
Dwg:	Scale: VARIES - AS NOTED
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BURLINGAME STATE PARK AND CAMPGROUND



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Dwg:	Scale: VARIES - AS NOTED	Sb-4
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SEPTEMBER 2023

NOTES:

GENERAL

- 1. ALL WORK SHALL CONFORM TO THE RHODE ISLAND STATE BUILDING CODE, ITS APPLICABLE REFERENCED STANDARDS, AND LOCAL CODES.
2. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AS THEY RELATE TO NEW CONSTRUCTION. REPORT TO THE ARCHITECT/ENGINEER ALL OBSERVATIONS AND ANY DISCREPANCIES BEFORE PROCEEDING WITH ANY WORK.
3. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO PROVIDE FOR A SAFE AND EFFICIENT METHOD OF SHORING AND/OR BRACING THE EXISTING STRUCTURE DURING BOTH DEMOLITION AND NEW CONSTRUCTION PHASES. SUBMIT AN OUTLINE OF PROPOSED PROCEDURE TO THE ARCHITECT/ENGINEER BEFORE DEMOLITION OPERATIONS BEGIN.
4. SUBMIT COMPLETE SHOP DRAWINGS AND SCHEDULES OF ALL STRUCTURAL ELEMENTS TO THE ENGINEER FOR APPROVAL PRIOR TO FABRICATION.
5. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING DIG-SAFE PRIOR TO STARTING ANY WORK.
6. REMOVE ALL TOPSOIL, EXISTING FILLS, ORGANIC MATERIALS, AND FROST DISTURBED SOILS PRIOR TO PLACING NEW FOOTINGS

CONCRETE

- 1. ALL CONCRETE WORK SHALL CONFORM TO ACI 318 & 301 REQUIREMENTS. THIS SHALL INCLUDE PROPORTIONING OF CONCRETE MIX, CONCRETE TESTING, PLACEMENT OF CONCRETE, AND CURING PROCEDURES.
2. CONCRETE SHALL HAVE THE FOLLOWING 28-DAY COMPRESSIVE STRENGTH:
a. EXTERIOR SLABS ON GRADE - 5,000 PSI
b. FOUNDATION WALLS - 5,000 PSI (L.W.)
c. ALL OTHER CONCRETE - 5,000 PSI
3. CONCRETE REINFORCING SHALL BE IN ACCORDANCE WITH ASTM A615, GRADE 60. INSTALLATION SHALL BE IN ACCORDANCE WITH ACI 315 AND 318.
4. WELDED WIRE FABRIC SHALL BE IN ACCORDANCE WITH ASTM A185.
5. PROVIDE THE FOLLOWING MINIMUM REINFORCING COVER:
a. FOOTINGS - 3 INCHES
b. CONC. EXPOSED TO WEATHER OR EARTH - 2 INCHES
c. SLABS ON GRADE (STEEL BARS) - 2 INCHES
d. SLABS ON GRADE (W/WF) - SEE TYP. DETAILS
6. FOUNDATIONS HAVE BEEN ASSUMED TO BEAR UPON VIRGIN SOIL OR COMPACTED ENGINEERED FILL HAVING A MINIMUM BEARING CAPACITY OF 1.5 TONS/S.F.
7. ENGINEERED FILL UNDER BUILDING SHALL BE PLACED IN 8" LAYERS AND COMPACTED TO 95% MAX. DRY DENSITY.
8. ENGINEERED FILL UNDER SLABS AND FOOTINGS SHALL CONSIST OF GRANULAR SOIL FREE OF ORGANIC MATTER AND CONFORMING TO THE FOLLOWING LIMITATIONS ON GRADATION:
a. MAXIMUM SIZE OF PARTICLES 3 INCHES
b. RETAINED ON # SIEVE 30% MAXIMUM
c. PASSING NO. 100 SIEVE 45% MAXIMUM
d. PASSING NO. 200 SIEVE 8% MAXIMUM
9. PROVIDE CORNER BARS AT ALL WALL CORNERS & INTERSECTIONS MATCHING HORIZONTAL REINFORCEMENT WITH 2'-6" MINIMUM LAPS.
10. LAP ALL BARS 40 DIAMETERS MINIMUM.
11. COORDINATE LOCATION OF FOUNDATION WALL DEPRESSIONS AND OPENINGS WITH ARCHITECTURAL DRAWINGS.
12. PROVIDE TOTAL AIR ENTRAINMENT OF 4% (4) FOR ALL CONCRETE EXPOSED TO WEATHER.

- 13. MAXIMUM WATER/CEMENT RATIO - W/C = 0.45. (USE SUPER PLASTICIZER AS REQUIRED FOR WORKABILITY.)
14. ALL SAW CUT JOINTS SHALL BE MADE WITHIN 4 HOURS OF CONCRETE PLACEMENT, FILL WITH JOINT SEALANT. (200 SF MAX)
15. BOTTOMS OF ALL EXTERIOR FOOTINGS SHALL BE 3'-6" MINIMUM BELOW FINISH GRADE.
16. FOOTINGS SHALL BE STEPPED AT A MAXIMUM SLOPE OF 3 HORIZONTAL TO 1 VERTICAL UNLESS NOTED OTHERWISE.
17. ALL FOUNDATION WALLS SHALL BE BACK FILLED AFTER 28 DAYS OF CONCRETE PLACEMENT. (THIS TIME MAY BE REDUCED IF THE WALL IS ADEQUATELY BRACED) DURING BACKFILL OPERATIONS OF ALL FOUNDATION WALLS, THE FILL ON EITHER SIDE OF THE WALL SHALL NOT EXCEED A 2'-0" DIFFERENTIAL, UNLESS THE WALL IS DESIGNED FOR RETAINING ACTION.
18. ALL RETAINING WALLS SHALL BE BACK FILLED AFTER 28 DAYS OF CONCRETE PLACEMENT.
19. PROVIDE MATCHING DOWELS INTO FOUNDATION WALLS AT ALL VERTICAL REINFORCEMENT.
20. PROVIDE 4-#6 VERTICALS UNDER ALL BEAM BEARING LOCATIONS (TYPICAL)

STRUCTURAL LUMBER

- 1. ALL WORK SHALL BE IN CONFORMANCE WITH THE AMERICAN FOREST & PAPER ASSOC. STANDARDS AND SPECIFICATIONS, LATEST ADDITION.
2. ALL LUMBER USED IN A STRUCTURAL CAPACITY SHALL BE 19% KILN DRIED HEM-FIR NO. 1 OR EQUAL, FB, 1200 PSI.
3. ANY WOOD IN DIRECT CONTACT WITH CONCRETE OR MASONRY, EXPOSED TO UNHEATED BASEMENT AND CRAWL SPACES, OR EXPOSED TO THE EXTERIOR SHALL BE PRESSURE TREATED.
4. ALL FASTENERS SHALL BE IN CONFORMANCE WITH THE FASTENING SCHEDULE IN THE RHODE ISLAND STATE BUILDING CODE. FASTENERS EXPOSED TO THE WEATHER SHALL BE GALVANIZED OR STAINLESS STEEL.
5. ALL BEAM TO BEAM CONNECTIONS SHALL BE GALV. FLANGE HANGERS. SUBMIT SHOP DRAWINGS FOR REVIEW.
6. ALL WOOD POST CAPS AND BASE CONNECTIONS SHALL BE APPROVED GALV. (SIMPSON OR EQUAL) POST CAP AND BASE PREFABRICATED ASSEMBLIES. SUBMIT SHOP DRAWINGS FOR REVIEW.
7. TJI, TJC, OR OPEN WEB TRUSS JOIST AND "PARALLUM" (PARALLEL STRAND LUMBER) FRAMING INDICATED ON DRAWINGS ARE DESIGNED AND MANUFACTURED BY "TRUS-JOIST" OR APPROVED EQUAL.
8. THE FRAMING SIZES, SPACING, AND FRAMING DETAILS INDICATED ARE THE MINIMUM REQUIRED. PROVIDE DESIGN AND FRAMING DETAILS AS PER LOADS INDICATED.
9. HORIZONTAL BRIDGING SHALL BE PROVIDED WITH DESIGN AND CONNECTION DETAILS. ALL BRIDGING SHALL BE INSTALLED BEFORE ANY CONSTRUCTION LOADS ARE PLACED ON THE JOISTS. THE ENDS OF ALL BRIDGING LINES TERMINATING AT WALLS OR BEAMS SHALL BE ANCHORED THERETO.
10. THE ENDS OF ALL JOISTS BEARING ON BEAMS OR BEARING PLATES SHALL EXTEND 4" MINIMUM OVER THE SUPPORT.

STRUCTURAL STEEL

- 1. ALL WORK SHALL CONFORM TO THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION SPECIFICATIONS AND ITS CODE OF STANDARD PRACTICE.
2. ALL WELDING OPERATIONS SHALL BE PERFORMED BY AWS CERTIFIED WELDERS IN CONFORMANCE WITH ALL APPLICABLE REQUIREMENTS.
3. ALL NEW STRUCTURAL STEEL SHALL BE GIVEN ONE COAT OF AN APPROVED SHOP PAINT, APPLIED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, UNLESS NOTED OTHERWISE. SHOP PAINTING OF STRUCTURAL STEEL SHALL CONFORM TO SSPC-PS 701.
4. AFTER ERECTION IS COMPLETE, TOUCHUP ALL SHOP PRIMED COATS DAMAGED DURING TRANSPORTATION AND ERECTION, AND PRIME ALL FIELD WELDS USING THE SAME PAINT USED FOR SHOP PRIMING.
5. APPLY BITUMINOUS PAINT TO ALL COLUMNS BELOW GRADE, WHERE APPLICABLE.
6. UNLESS NOTED OTHERWISE, PROVIDE A 1/2"x8"x8" BASE PLATE W/2-3/4"DIA. BOLTS (TYPICAL) UNDER ALL STEEL BEAMS.
7. ALL CONNECTIONS SHALL BE SELECTED, COMPLETED, DESIGNED, AND DETAILED BY THE FABRICATOR'S REGISTERED DESIGN PROFESSIONAL (RDP) IN RESPONSIBLE CHARGE OF THE DEVELOPMENT OF FABRICATION AND ERECTION DRAWINGS. CONNECTIONS SHALL BE DESIGNED BY THE FABRICATOR IN ACCORDANCE WITH THE GOVERNING AISC SPECIFICATION. SUBMIT CALCULATIONS BEARING THE RDP'S SEAL AND SIGNATURE PRIOR TO, OR ALONG WITH, PIECE DETAILS.

STEEL DECKS

- 1. ALL STEEL DECKING SHALL CONFORM TO THE STEEL DECK INSTITUTE (SDI) APPLICABLE REQUIREMENTS. INSTALLATION SHALL BE PER THE MANUFACTURER'S RECOMMENDATIONS IN ACCORDANCE WITH SDI SPECIFICATIONS.
2. STEEL DECK SHALL TYPICALLY BE STORED OFF THE GROUND AT THE JOBSITE AND BE PROTECTED FROM THE ELEMENTS WITH A WATER-PROOF COVERING WHERE REQUIRED.
3. DECK SHEETS SHALL BE PLACED IN ACCORDANCE WITH APPROVED ERECTION LAYOUT DRAWINGS (INCLUDING FASTENING SCHEDULE) SUPPLIED BY THE DECK MANUFACTURER AND IN CONFORMANCE WITH THE MANUFACTURER'S STANDARDS. UNLESS NOTED OTHERWISE, END LAPS SHALL OCCUR OVER SUPPORTS AND SHALL NOT BE LESS THAN 2 INCHES.
4. METAL ROOF DECK TO BE 1-1/2" DEEP, 20 GA WIDE RIB METAL DECK OR 2 1/2" DEEP DECK BY EPIC METALS, SEE PLANS FOR LOCATIONS.
5. FLOOR DECK TO BE 1 1/2" LOK. FLOOR COMPOSITE FLOOR DECK, 20 GAGE GALV. METAL DECK BY U.S.D. OR EQUAL.

MASONRY CONSTRUCTION

- 1. ALL MASONRY UNITS SHALL CONFORM TO ASTM C-90 TYPE N-1 WITH THE STRENGTH OF UNITS AND MORTAR BEING SUCH THAT THE () VALUES INDICATED ARE SATISFIED.
2. GROUT AND MORTAR SHALL CONFORM TO ASTM C416.
3. ALL MASONRY WORK, INCLUDING CURING, ERECTION, AND WEATHER PROTECTION, SHALL CONFORM TO THE NCM AND ACI-531 REQUIREMENTS AND STANDARDS.
4. PROVIDE GALVANIZED HORIZONTAL REINFORCEMENT @ 16" O.C. MIN. UNLESS OTHERWISE NOTED.
5. UNLESS NOTED OTHERWISE, PROVIDE A MINIMUM OF #5 @ 48" O.C. VERTICAL REINFORCEMENT IN ALL MASONRY WALLS.
6. PROVIDE ADDITIONAL VERTICAL REINFORCEMENT @ JAMBS OF ALL WALL OPENINGS, WALL ENDS, STEEL BEAMS AND ANGLE BEARING LOCATIONS. MINIMUM REINFORCEMENT SHALL BE 2-#6 VERTICALS UNLESS NOTED OTHERWISE.

WEATHER WALL FRAMING

M202.3

ROOF NAILING: ROOF ATTACHMENT SHALL BE ACCOMPLISHED WITH MINIMUM 8D NAILS AS FOLLOWS:

- 1. IN THE 4 FOOT PERIMETER EDGE ZONE ALONG THE EDGES:
6" O.C. TO THE INTERMEDIATE SUPPORTS WITHIN THE 4' PERIMETER EDGE ZONE.
6" O.C. ALONG THE GABLE END WALL OR RAKE.
4" O.C. ALL OTHER AREA.
6" O.C. EDGE.
12" O.C. INTERMEDIATE.
2. ALL SHEATHING EDGES WITHIN THE 4 FOOT PERIMETER EDGE ZONE SHALL BE BLOCKED WITH 2X3 MINIMUM INCLUDING THE RIDGE LINE AND SOFFIT/FACIA AREA. PROVISIONS FOR VENTILATION AIR SHALL BE MAINTAINED.
3. EXCEPTION: 2X3 INTERMEDIATE BLOCKING CAN BE ELIMINATED PROVIDED ALL SHEATHING IS 5/8" NOMINAL TONGUE AND GROOVE STRUCTURAL PANELS. (BLANKET VARIANCE 14 (B)-14).

M202.04

RIDGE STRAPS: RIDGE STRAPS 1-1/4" X 20" GAUGE SHALL BE ATTACHED TO EACH PAIR OF OPPOSING RAFTERS WITH 5-8D NAILS AT EACH END INTO THE FRAMING MEMBER.

M203.1

WALL SHEATHING: WALL SHEATHING SHALL BE A MINIMUM 7/16" STRUCTURAL PANEL. NAILING SHALL BE IN ACCORDANCE WITH TABLE R602.3(1) AND THE FOLLOWING:

- 1. AT THE TOP PLATE OR PLATES, THE SHEATHING SHALL EXTEND FROM THE TOP OF THE PLATE TO A MINIMUM OF 16" BEYOND THE STUD-TO-BOTTOM OF THE TOP PLATE CONNECTION. A MINIMUM OF 4 NAILS SHALL BE USED AT EACH STUD FASTENING, AND EDGE-NAILED TO EACH PLATE AT 6" O.C. ALTERNATE: PREFABRICATED AND PRE-ENGINEERED CONNECTION STRAPS APPROVED BY THE BUILDING OFFICIAL.
2. IF THE STUDS ARE NOT CONTINUOUS TO THE FOUNDATION PLATE SUCH AS AT AN INTERMEDIATE FLOOR, THE WALL SHEATHING SHALL BE CONTINUOUS AND UNINTERRUPTED FOR A DISTANCE OF 16" BEYOND FROM TOP OF BOTTOM WALL PLATE TO 16" BEYOND BOTTOM OF BOTTOM WALL TOP PLATE BELOW WITH A MINIMUM OF 4 NAILS AT EACH STUD, FIELD-NAILED AT 6" O.C. TO FLOOR JOIST HEADER FRAMING. ALTERNATE: PREFABRICATED AND PRE-ENGINEERED CONNECTION ANCHORS OR FASTENERS APPROVED BY THE BUILDING OFFICIAL.
3. AT THE BOTTOM OF THE WALL ASSEMBLY TO THE FOUNDATION SILL PLATE, THE WALL SHEATHING SHALL BE CONTINUOUS FROM POINT 26" ABOVE THE TOP OF THE BOTTOM WALL PLATE TO THE BOTTOM OF THE FOUNDATION SILL PLATE AT 6" O.C. ALTERNATE: PREFABRICATED AND PRE-ENGINEERED CONNECTION ANCHORS OR FASTENERS APPROVED BY THE BUILDING OFFICIAL.

M203.2

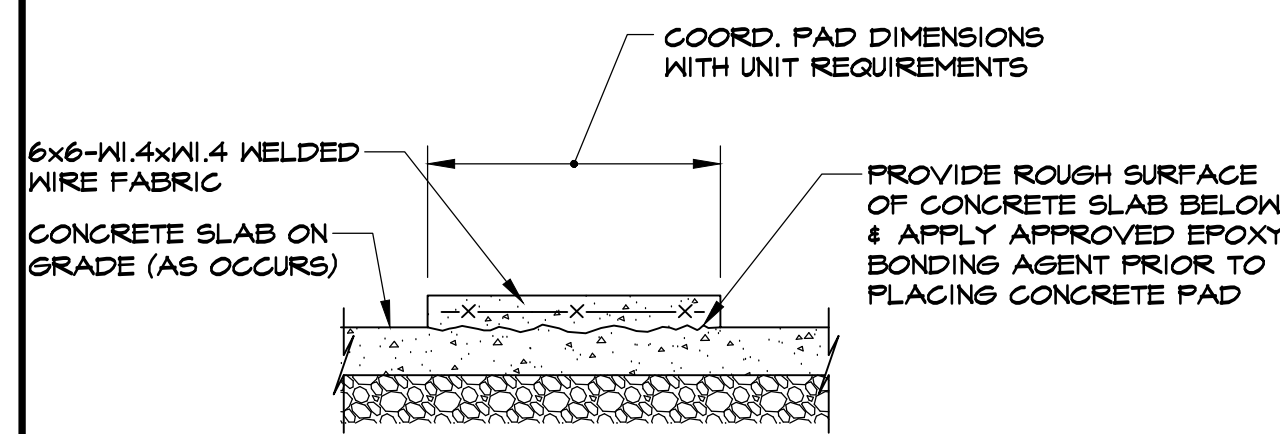
SHEAR WALLS: A 4' SEGMENT OF WALL SHEATHING SHALL BE DESIGNATED AS A SHEAR WALL AT EACH CORNER OF THE STRUCTURE AT EACH FLOOR, AND NO MORE THAN 24' APART ALONG A WALL LENGTH. THE FOLLOWING ADDITIONAL REQUIREMENTS APPLY:

- 1. NO OPENINGS ARE PERMITTED WITHIN THIS 4' SECTION. EXCEPTION: WINDOW OPENINGS ARE ALLOWED NO CLOSER THAN 2' TO CORNER PROVIDING THE LENGTH OF THAT SHEAR PANEL IS INCREASED TO 8'.
2. ALL EDGES SHALL BE BLOCKED AND NAILED AT 6" O.C. AND FIELD NAILED AT 6" O.C.
3. STUDS SHALL BE DOUBLED AT EACH END OF THE SHEAR PANEL.

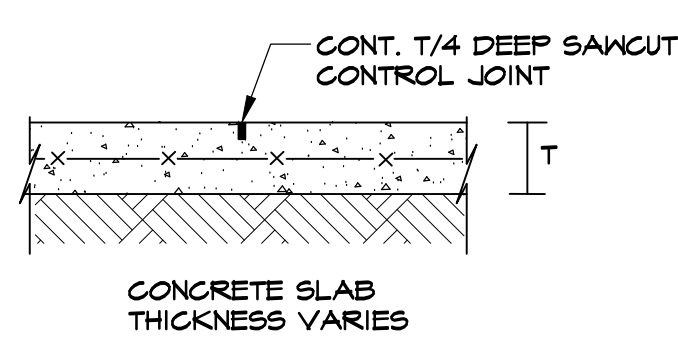
M203.3

FOUNDATION ANCHOR BOLTS: ANCHOR BOLTS SHALL BE INSTALLED IN ACCORDANCE WITH SECTION R403.1.6 AND THE FOLLOWING:

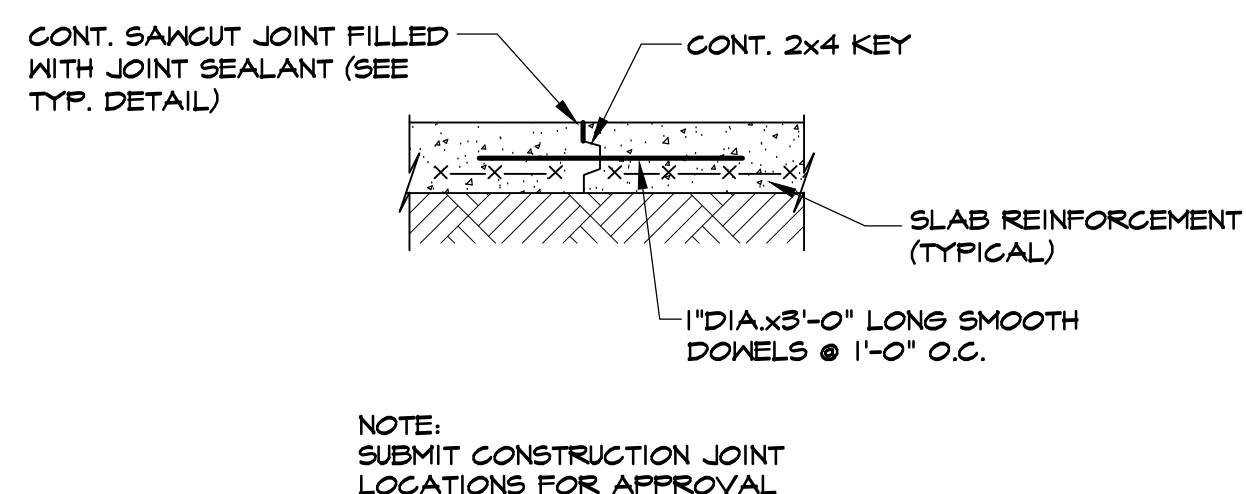
- 1. 1 & 2 STORY BUILDINGS - 1/2" @ 48" O.C. OR 5/8" @ 12" O.C.



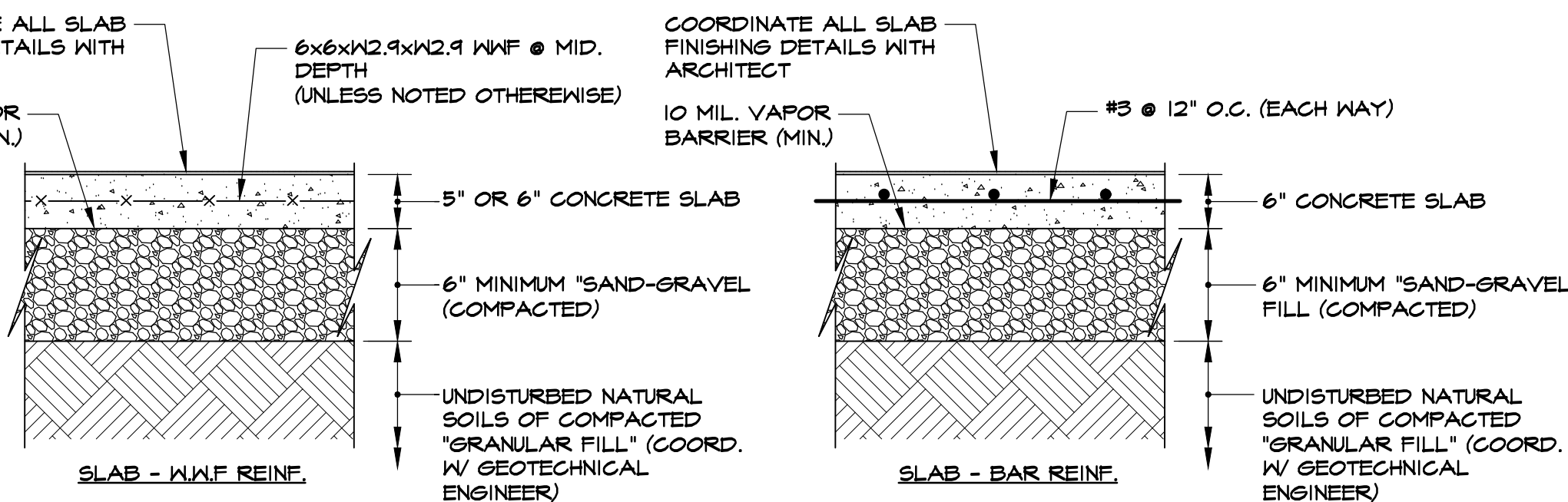
TYPICAL EQUIPMENT HOUSEKEEPING PAD DETAIL SCALE: NTS



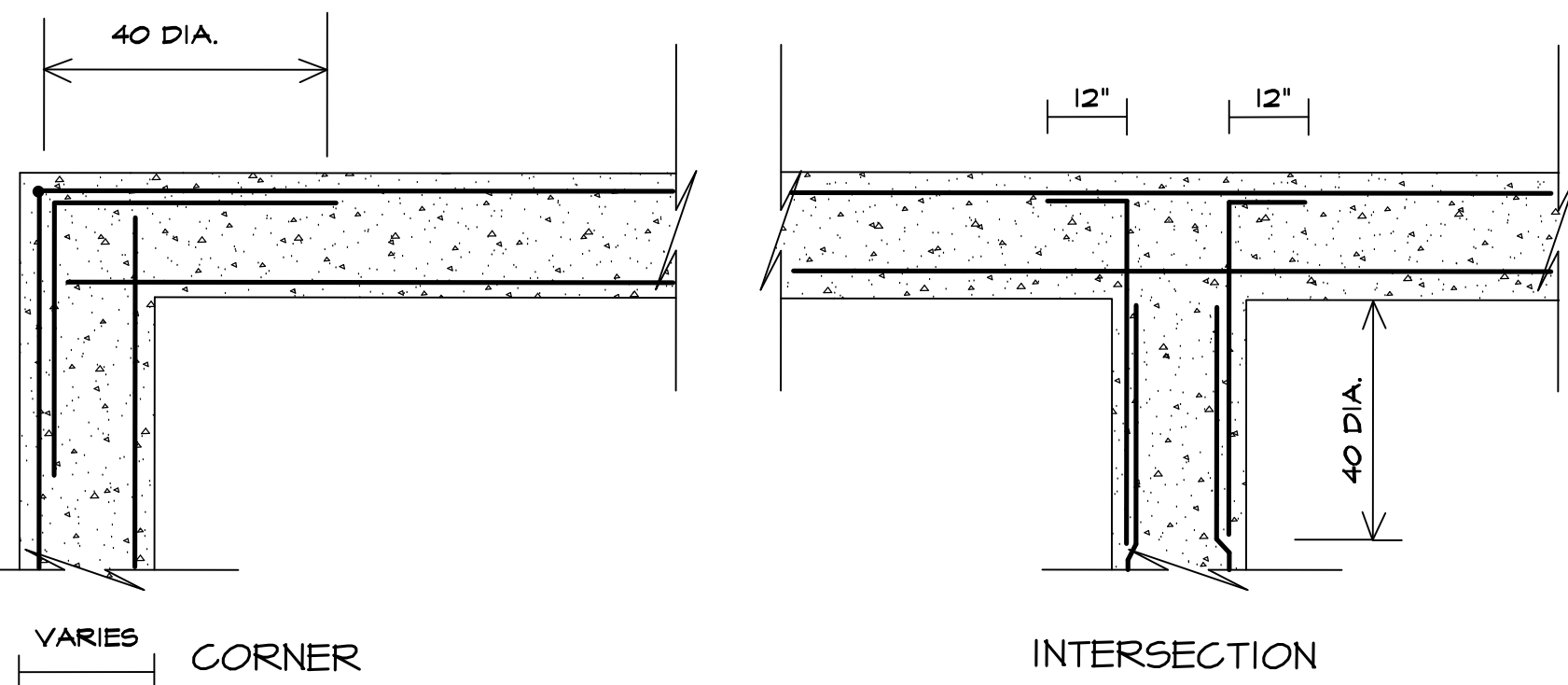
TYPICAL SLAB CONTROL JOINT DETAIL SCALE: NTS



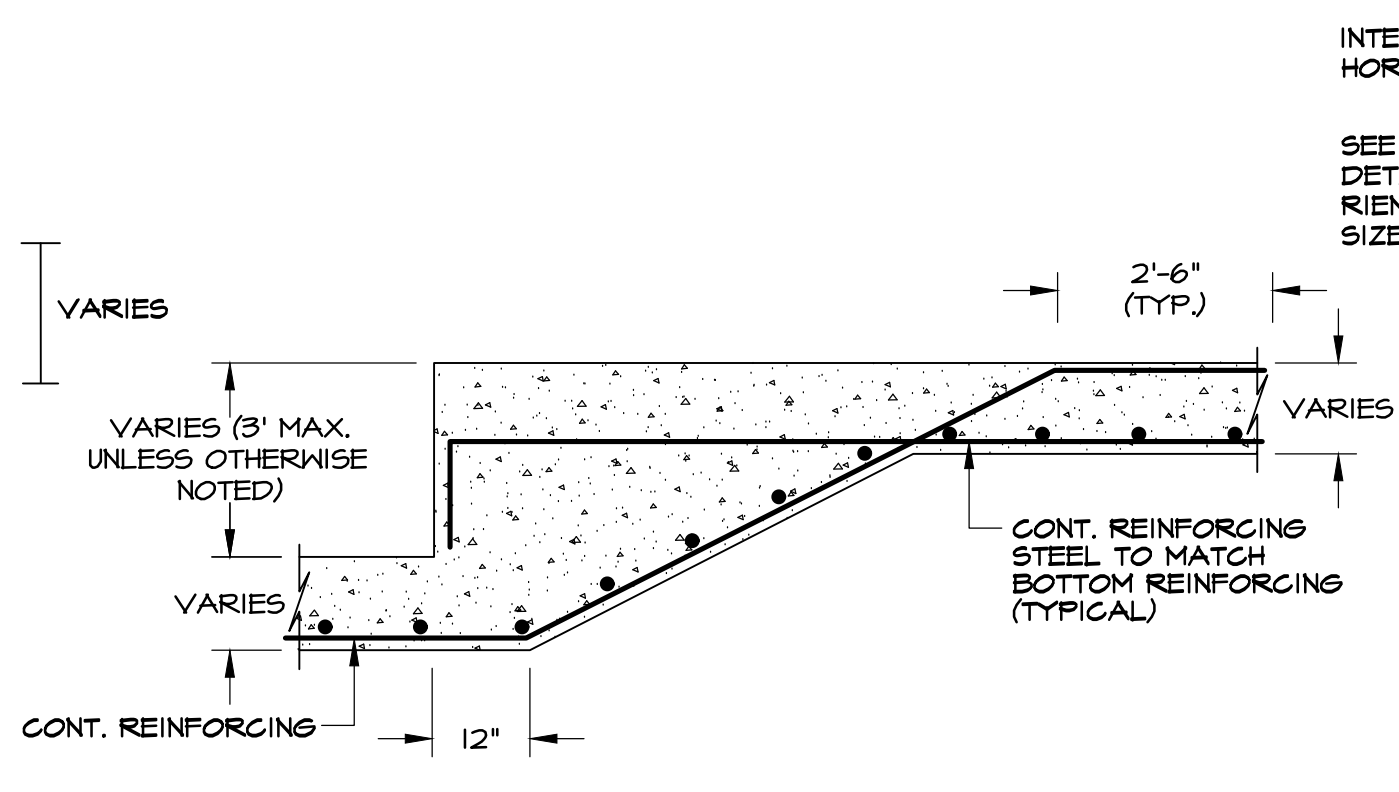
TYPICAL SLAB ON GRADE CONSTRUCTION JOINT DETAIL SCALE: NTS



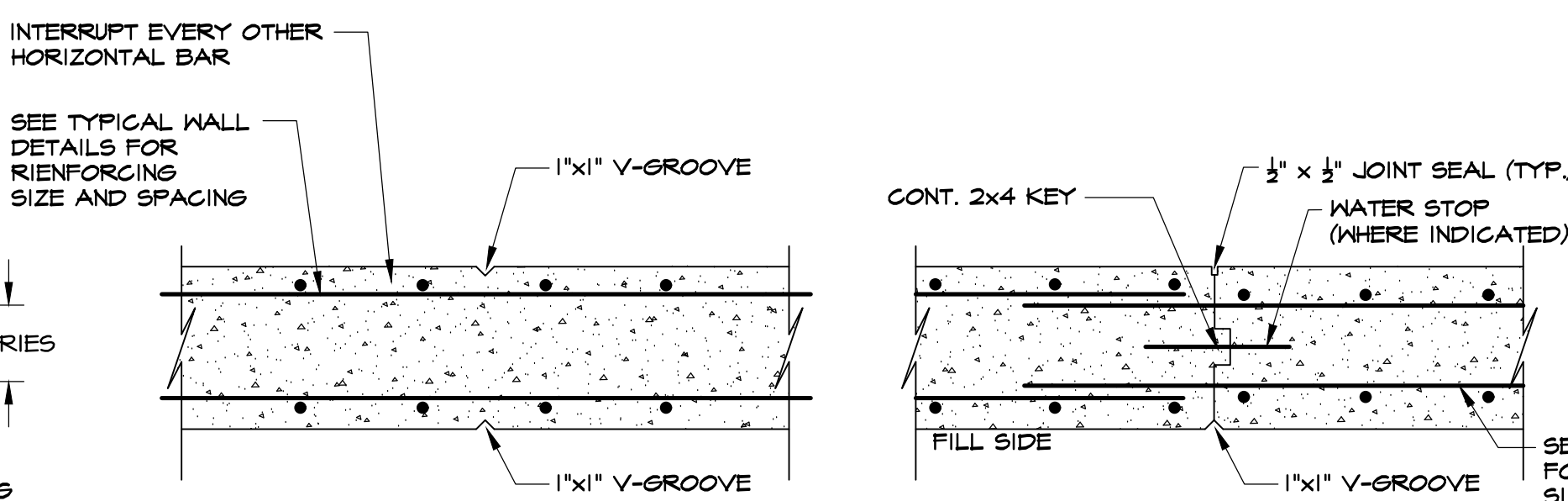
TYPICAL CONCRETE SLAB ON GRADE DETAILS SCALE: NTS



TYPICAL WALL DETAILS SCALE: 1/2" = 1'-0"



TYPICAL STEPPED FOOTING DETAIL SCALE: NTS



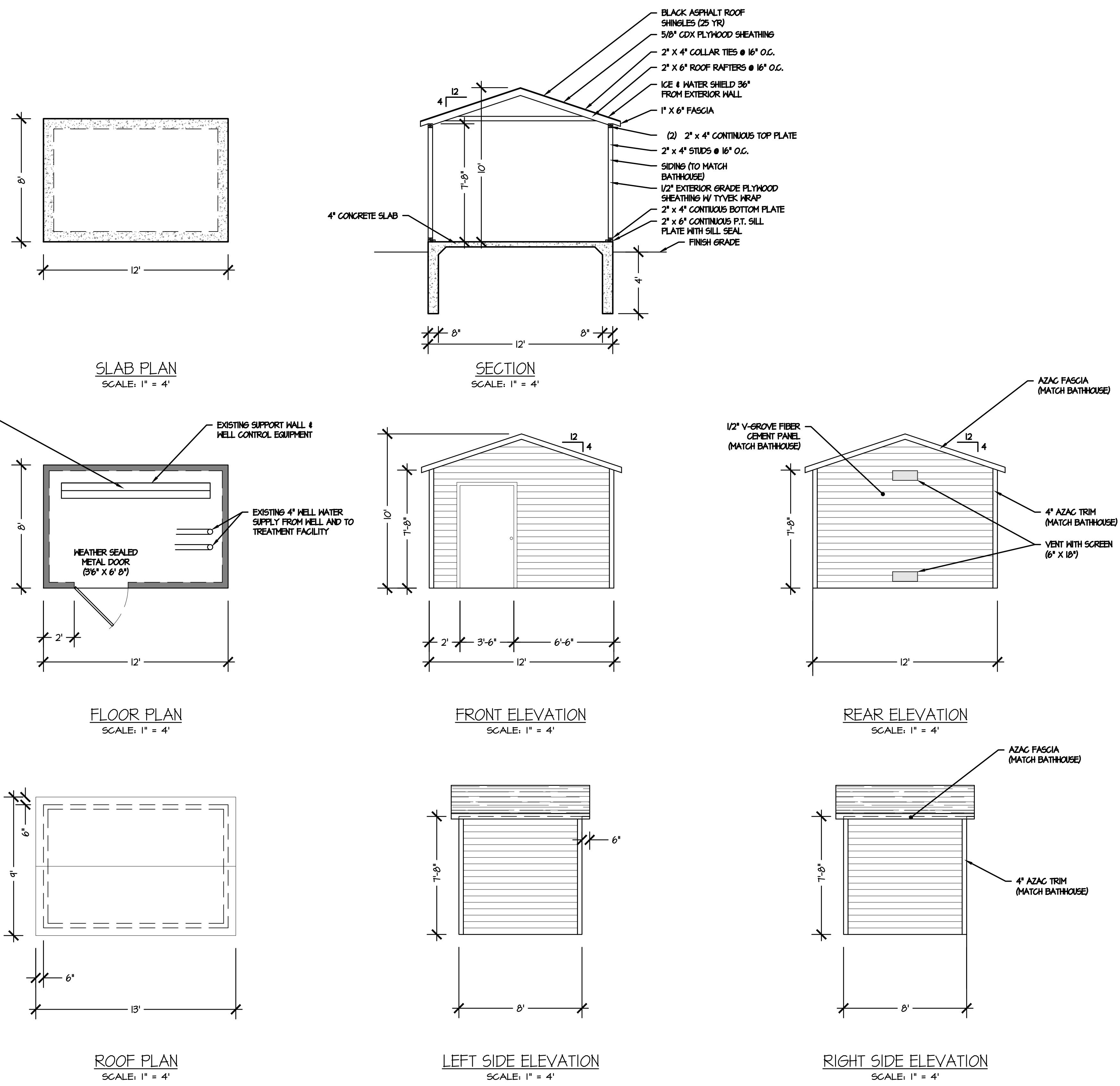
TYPICAL CONCRETE WALL JOINT DETAILS SCALE: NTS

STATE OF RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT DIVISION OF PLANNING AND DEVELOPMENT

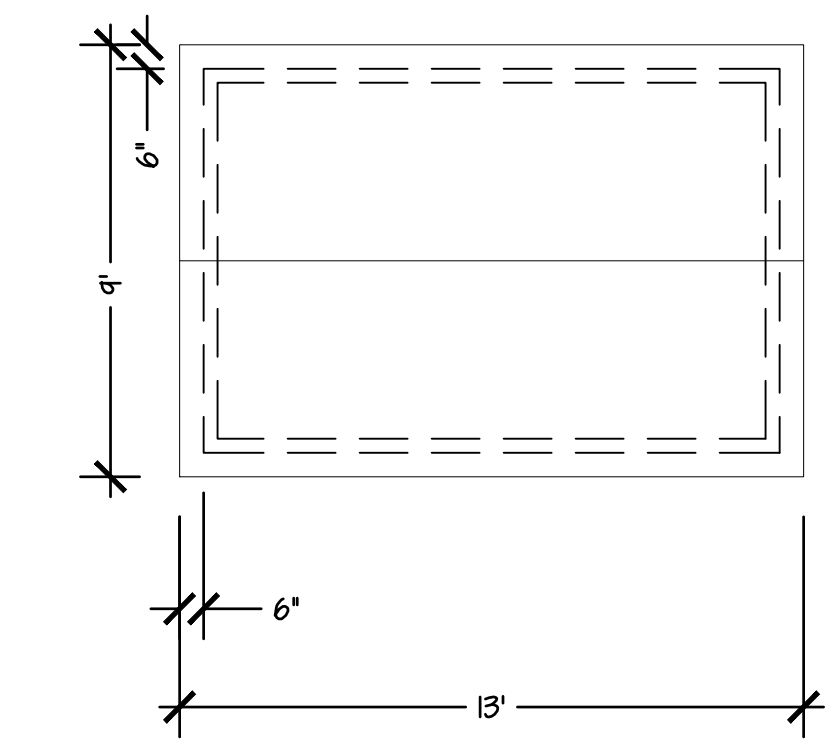
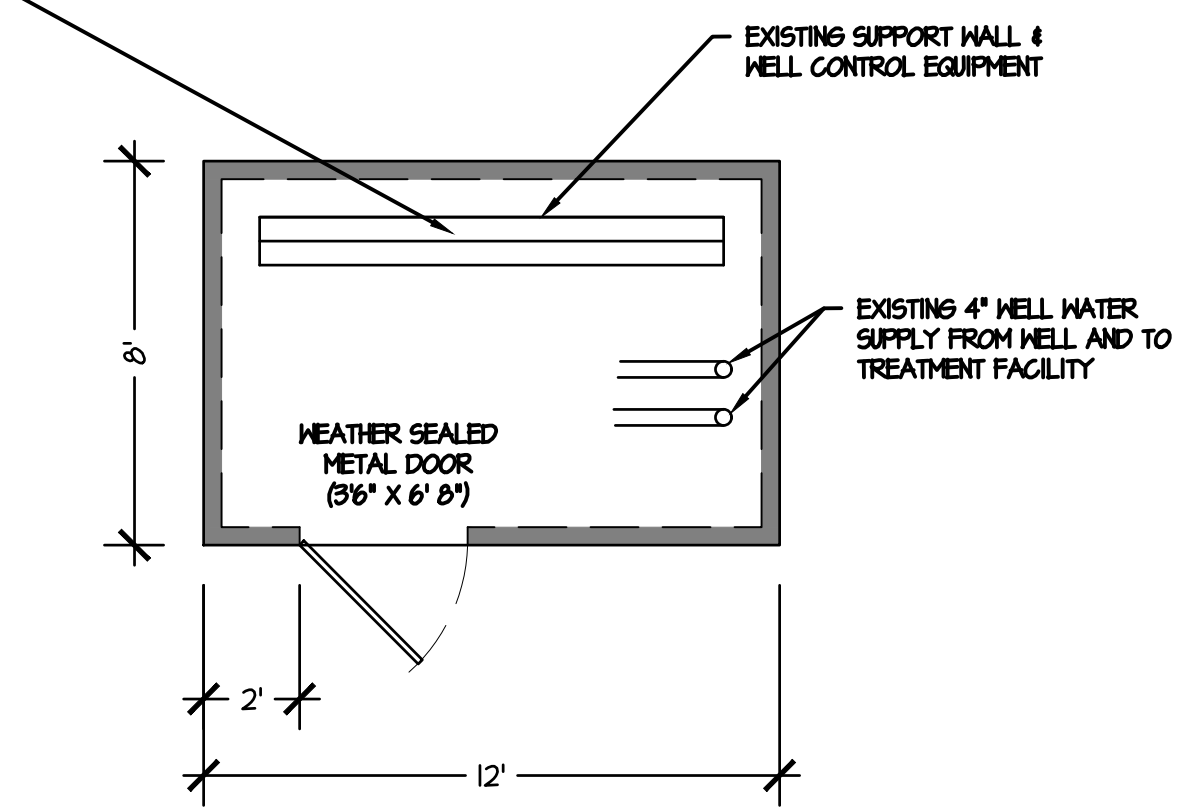
DEMOLITION AND REBUILD OF BATHHOUSES BURLINGAME STATE PARK AND CAMPGROUND CHARLESTOWN, RHODE ISLAND

BATHHOUSES AT FISH CAMP, MAIN CAMP and LEGIONTOWN GENERAL NOTES AND DETAILS

Dwg. Scale: VARIES - AS NOTED Contract No. x Date: MARCH 6, 2023



NOTE:
 CONTRACTOR TO SHORE, SECURE AND PROTECT EXISTING WELL CONTROL EQUIPMENT PRIOR TO DEMOLISHING HILLS CAMP EXISTING BATHHOUSE. REMOVE CONCRETE FLOOR AND CONSTRUCT NEW STRUCTURE SURROUNDING EXISTING 4" WATER LINES, SUPPORT WALL, AND WELL CONTROL EQUIPMENT. CONNECT SUPPORT WALL WITH WELL EQUIPMENT IS TO BE FASTENED TO THE NEW STRUCTURE FOR STABILITY.



	STATE OF RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT DIVISION OF PLANNING AND DEVELOPMENT	
	DEMOLITION AND REBUILD OF BATHHOUSES BURLINGAME STATE PARK AND CAMPGROUND CHARLESTOWN, RHODE ISLAND	
8' X 12' SHELTER FOR WELL EQUIPMENT		
Dwg:	Scale: 1" = 20'	S-6
Contract No. x	Date: OCTOBER 6, 2023	36 OF 106

Burlingame State Park

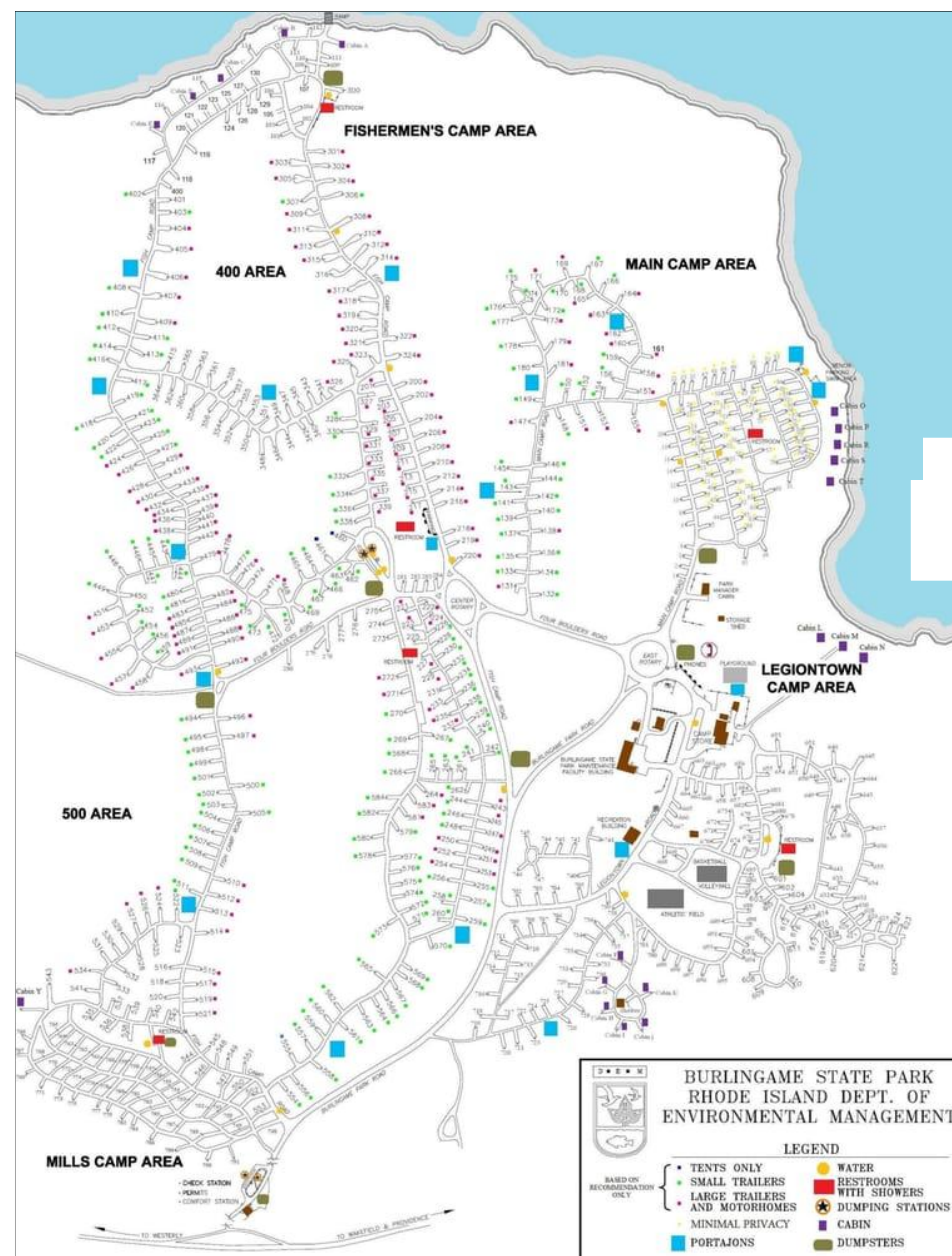
Charlestown, Rhode Island

Architecture Rebuild Plans

Bath-Houses A & B & Mills Camp

11/17/2023

Site Map



Architect's Rendering

Area / Code Calculations

interior built space : 1,753 sq. ft.
roof coverage area: 2,446 sq.ft

Occupancy -Public Bathhouse occupancy
A- type B (less than 50 persons)

Occupancy Load : 15 sq.ft. per person
1/2 male 1/2 female = $1752 / 2 = 876$ sq.ft/15
per side including non-binary persons.
= 60 persons per side of the building
based on floor area, or +/-20 persons based
on facilities offered , so calculated safe
occupancy load = 50 persons

Egress requirements : 0.2 inches per
occupant x 60 = 12 "
Egress provided (two per bathhouse side) :
72" per side of building
Maximum egress distance : $1/2 \times 57'-2" = 29'-0"$
Construction - Type 5

Architectural SHEET INDEX

ID	Name
A-1a	Cover sheet
A-2a	Ground Floor Plan
A-3a	Reflected Ceiling Plan & Details
A-4a	Gable Level Plan
A-5a	Roof Plan
A-6a	Elevations
A-7a	Elevations
A-8a	Sections
A-9a	Sections
A-10a	Doors & Frames
A-11a	Wall Sections
A-12a	Wall Sections Details
A-13a	Miscellaneous Details
A-14a	Miscellaneous details
A-15	Bathroom Partitions
A-16a	Interior Elevations
A-17a	Interior Elevations

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RI.02916-1897,

George S. Burman, Architect
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Bristol, RI. 02809



Bath-Houses "A", "B" & Mills Camp

Burlingame State Park Bathouses

RI- Department of Environmental Management

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MARK	DATE	DESCRIPTION

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SHEET TITLE

Build Back Burlingame DEM

A-1a

SHEET 1 OF 17



Bath-Houses "A", "B" & Mills Camp

Burlingame State Park Bathhouses

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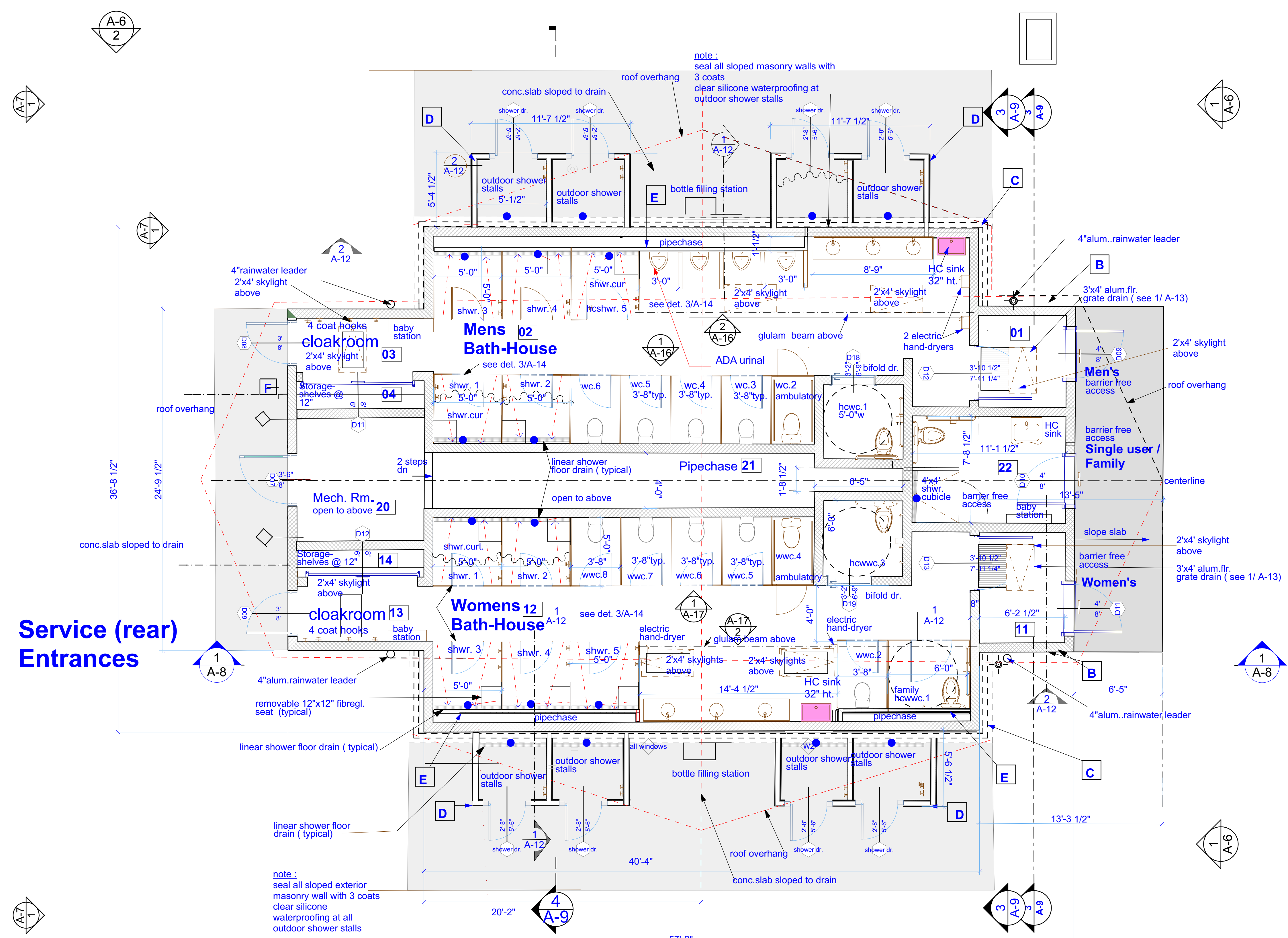
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SHEET TITLE

Ground Floor Plan
 sc:1/4"=1'-0"

A-2a

SHEET 2 OF 17



Rooftop Skylights

Aluminum framed fixed rooftop skylights with clear laminated safety glass
 Eight units of 2'x4' required, exact location to suit structural framing.

Wall Types/ Legend

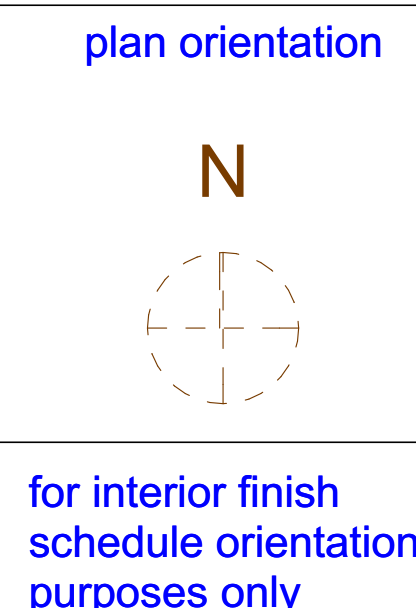
- A** 8" concrete block wall reinforced as specified, epoxy painted both sides
- B** 8" concrete block wall reinforced as specified, with prebleached white cedar shingles both sides on wd.blocking over tyvek air barrier, shingles treated with clear osmosis pentox sealer 3 coats.
- C** 8" concrete block wall reinforced as specified, with natural ledgerock limestone veneer sloped 4 1/2 at top to 12" at bottom in uncoursed pattern on exterior over tyvek air barrier, CMU epoxy painted 3 coats other side.
- D** outdoor shower stall partitions, 1/2" v-groove fiber cement panels both sides of st.stl HSS framing with
- E** solid molded HDPE (high density polyethylene) panels on stainless steel framing floor supply & install by toilet partition manufacturer with HPDE access panels for plumbing.
- F** gable walls, 8" CMU to 8'-0" h. with 2"x6" wd. framing above (see mezzanine plan).
- polyester shower curtain hemmed with grommets
- N.I.C. not in contract
- 01** room number -for interior finishes see finish schedule on this sheet.

Front Entrances

Service (rear) Entrances

FINISH SCHEDULE

rm.#	name	flr.mat.	fin.col	clg.mat.	finish	north wall	finish	south wall	finish	east wall	finish	west wall	finish	cove base	notes
01	men vestibule	prd. resin	lt.grey	cedar plank	ptd	cdr shingle	pentox	cdr shingle	pentox	cdr shingle	pentox	CMU	epoxy1	6" resin	
02	men showers	prd. resin	lt.grey	cedar plank	ptd	CMU	epoxy1	CMU	epoxy1	CMU	epoxy1	CMU	epoxy1	6" resin	skylight bulkhds
03	men cloakrm	prd. resin	lt.grey	cedar plank	ptd	cdr shingle	pentox	cdr shingle	pentox	CMU	epoxy1	cdr shingle	pentox	6" resin	
04	supply closet	prd. resin	lt.grey	cdr shingle	ptd	CMU	epoxy1	CMU	epoxy1	CMU	epoxy1	CMU	epoxy1	6" resin	rollup st. stl. dr.
11	women vestibule	prd. resin	lt.beige	cedar plank	ptd	cdr shingle	pentox	cdr shingle	pentox	cdr shingle	pentox	CMU	epoxy2	6" resin	
12	women showers	prd. resin	lt.beige	cedar plank	ptd	CMU	epoxy2	CMU	epoxy2	CMU	epoxy2	CMU	epoxy2	6" resin	skylight bulkhds
13	women cloakrm	prd. resin	lt.beige	cedar plank	ptd	cdr shingle	pentox	cdr shingle	pentox	CMU	epoxy2	cdr shingle	pentox	6" resin	
14	supply closet	prd. resin	lt.beige	cdr shingle	ptd	CMU	epoxy2	CMU	epoxy2	CMU	epoxy2	CMU	epoxy2	6" resin	rollup st. stl. dr.
20	mechanical rm	sil. sealer	clear	open to roof	ptd	CMU	epoxy1	CMU	epoxy1	CMU	epoxy1	CMU	epoxy1	6" vinyl	
21	pipechase	sil. sealer	clear	open to roof	ptd	CMU	epoxy1	CMU	epoxy1	CMU	epoxy1	CMU	epoxy1	6" vinyl	
22	single-user wc	prd. resin	lt.grey	cedar plank	ptd	CMU	epoxy1	CMU	epoxy1	CMU	epoxy1	CMU	epoxy1	6" resin	



Area Calculations

interior built space : 1,753 sq. ft.
 roof coverage area: 2,446 sq.ft

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Bath-Houses "A", "B" & Mills Camp

Burlingame State Park Bathouses

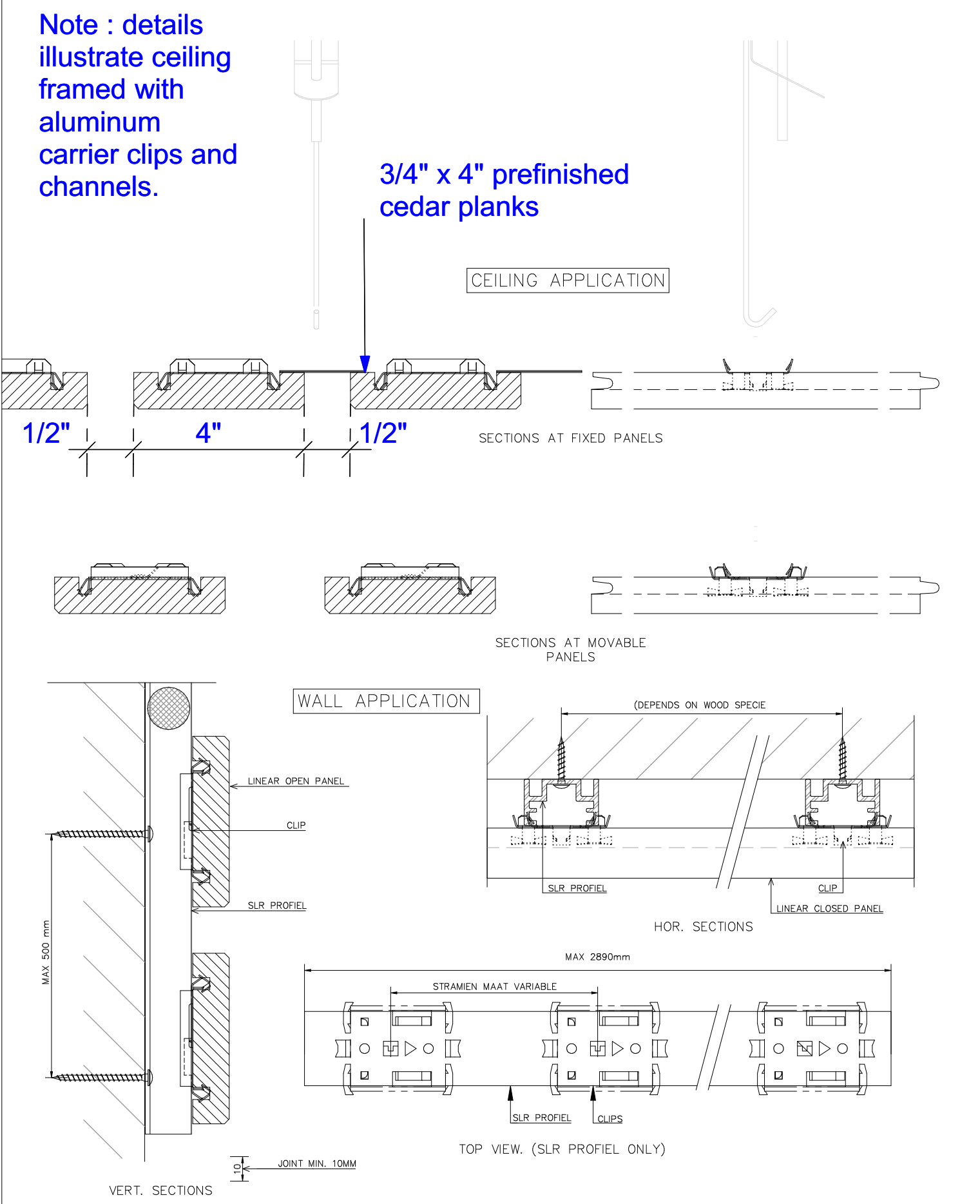
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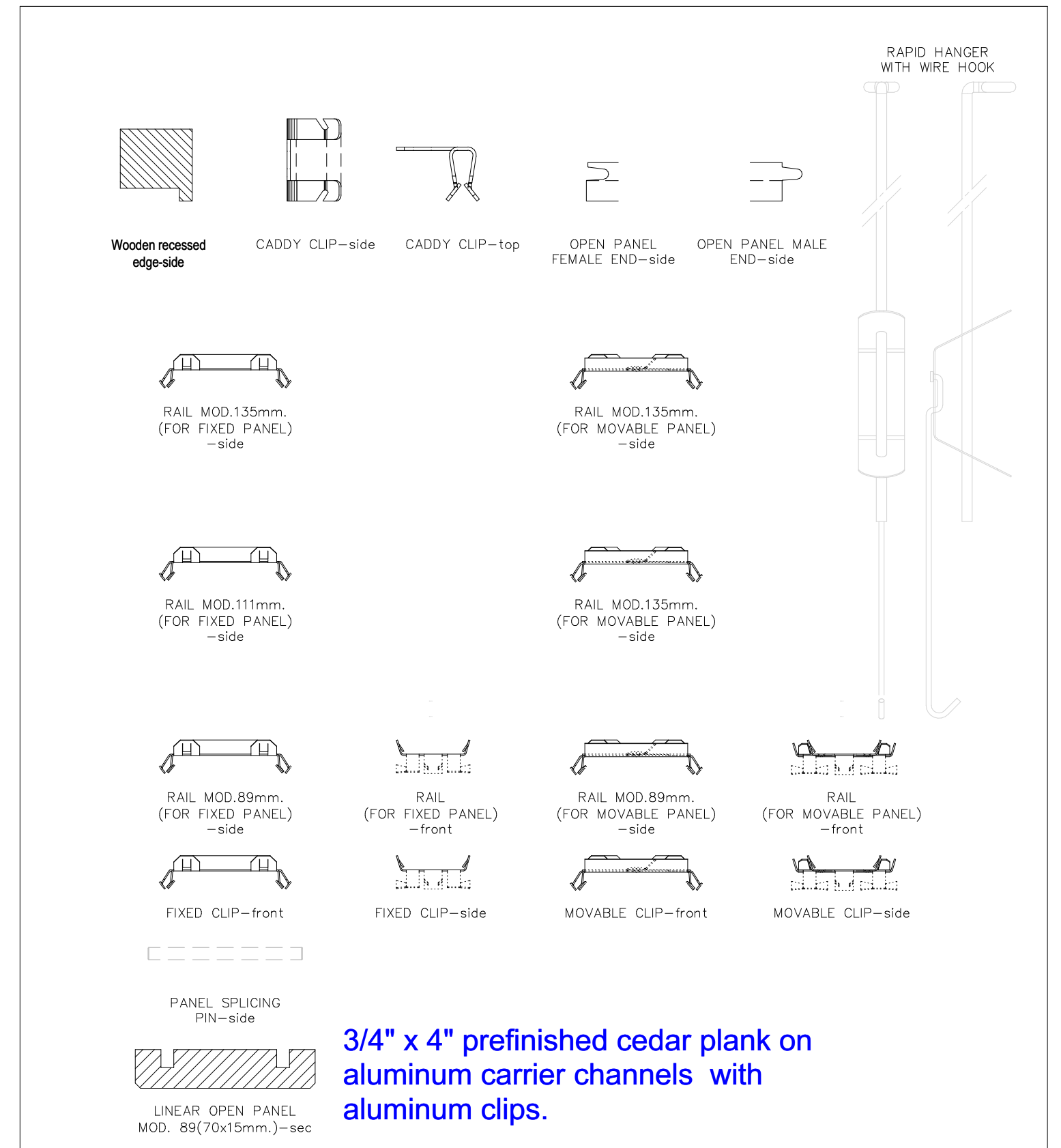
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SHEET TITLE
Reflected Ceiling Plan & Details

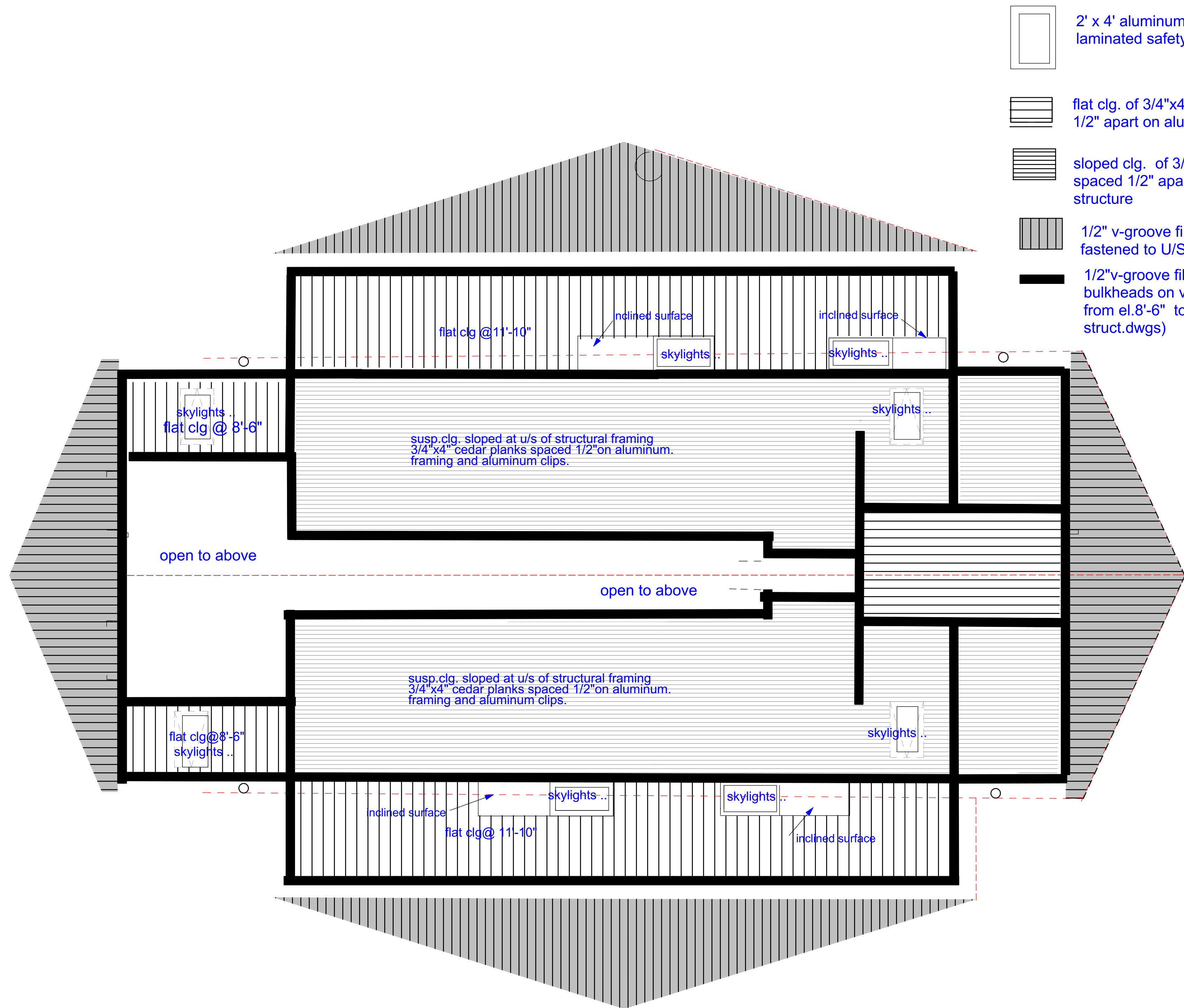
A-3 a.
 SHEET 3 OF 17



Typical Details - Cedar Plank Suspended Ceilings & Sloped Ceilings- nts



Typical Details - Cedar Plank Suspended Ceilings & Sloped Ceilings- nts

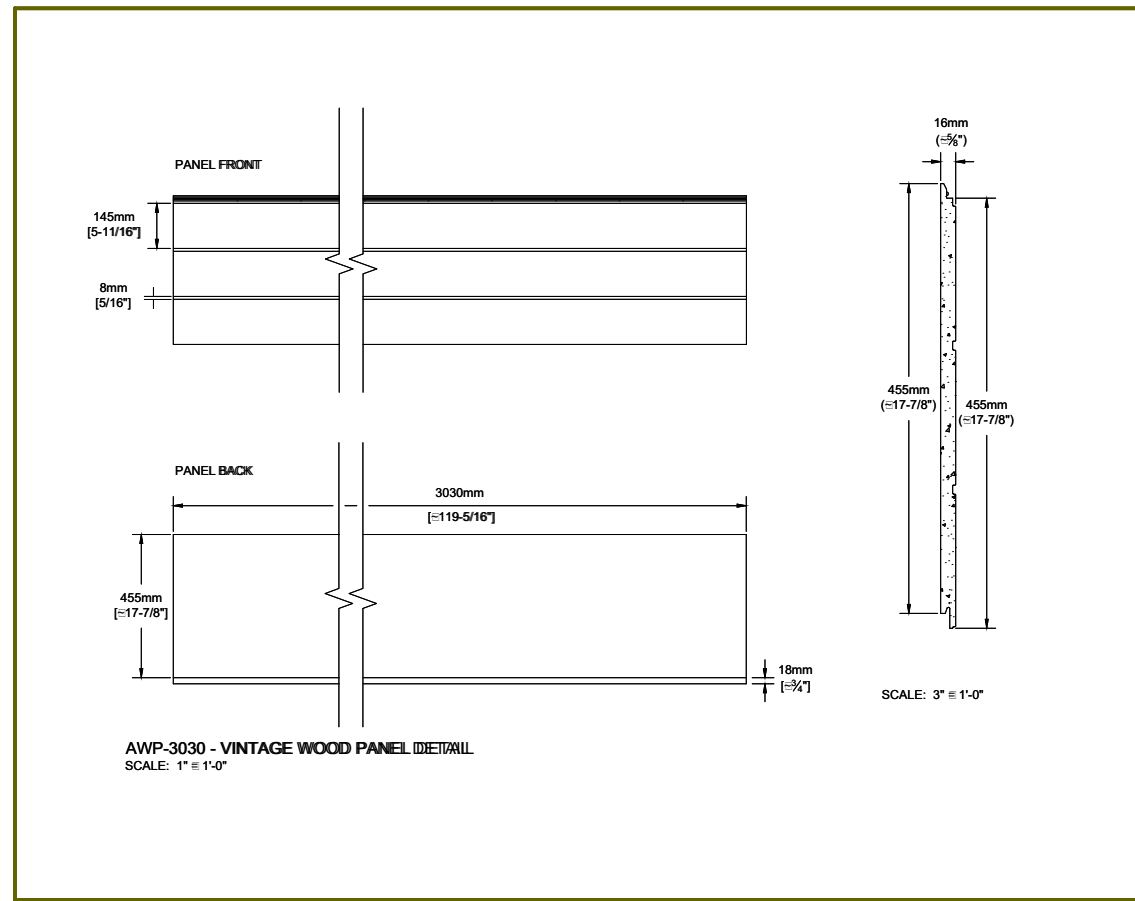


- 2' x 4' aluminum framed skylights with laminated safety glass- 8 required
- flat clg. of 3/4"x4" cedar slats spaced 1/2" apart on aluminum channels
- sloped clg. of 3/4"x4" cedar slats spaced 1/2" apart fastened to u/s of structure
- 1/2" v-groove fiber cement panels fastened to U/S of roof structure
- 1/2" v-groove fiber cement panels bulkheads on visible side of wd studs from el.8'-6" to ridge of structure. (see struct.dwgs)

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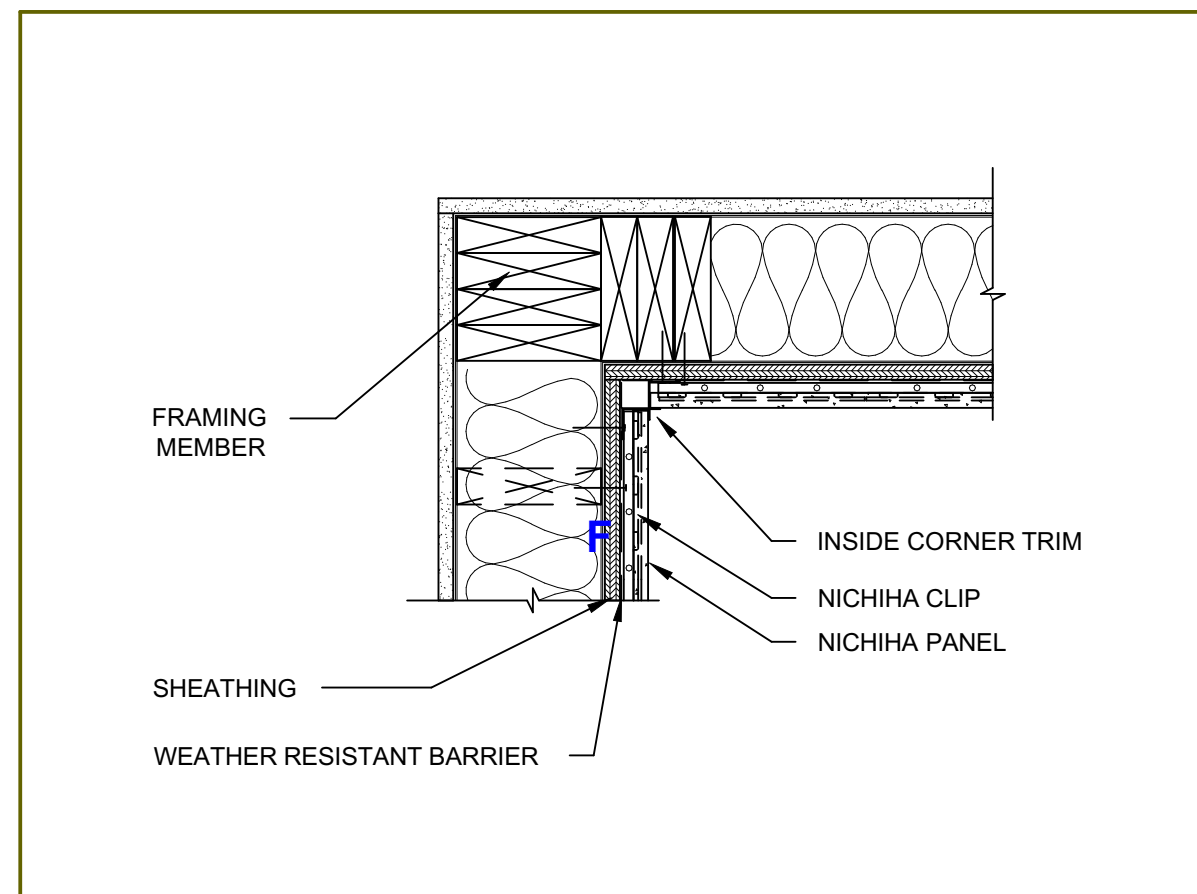
Fiber Cement Wall Panel Details

NOTE : Typical details are based on 5/8" thick Nichiha Ventagewood panels or approved equivalents. Other manufacturers equivalent products and details are acceptable if accepted and approved by architect. all metal clips and framing to be aluminum zinc alloy or stainless steel, all sheathing to be 1/2" waterproof plywood.



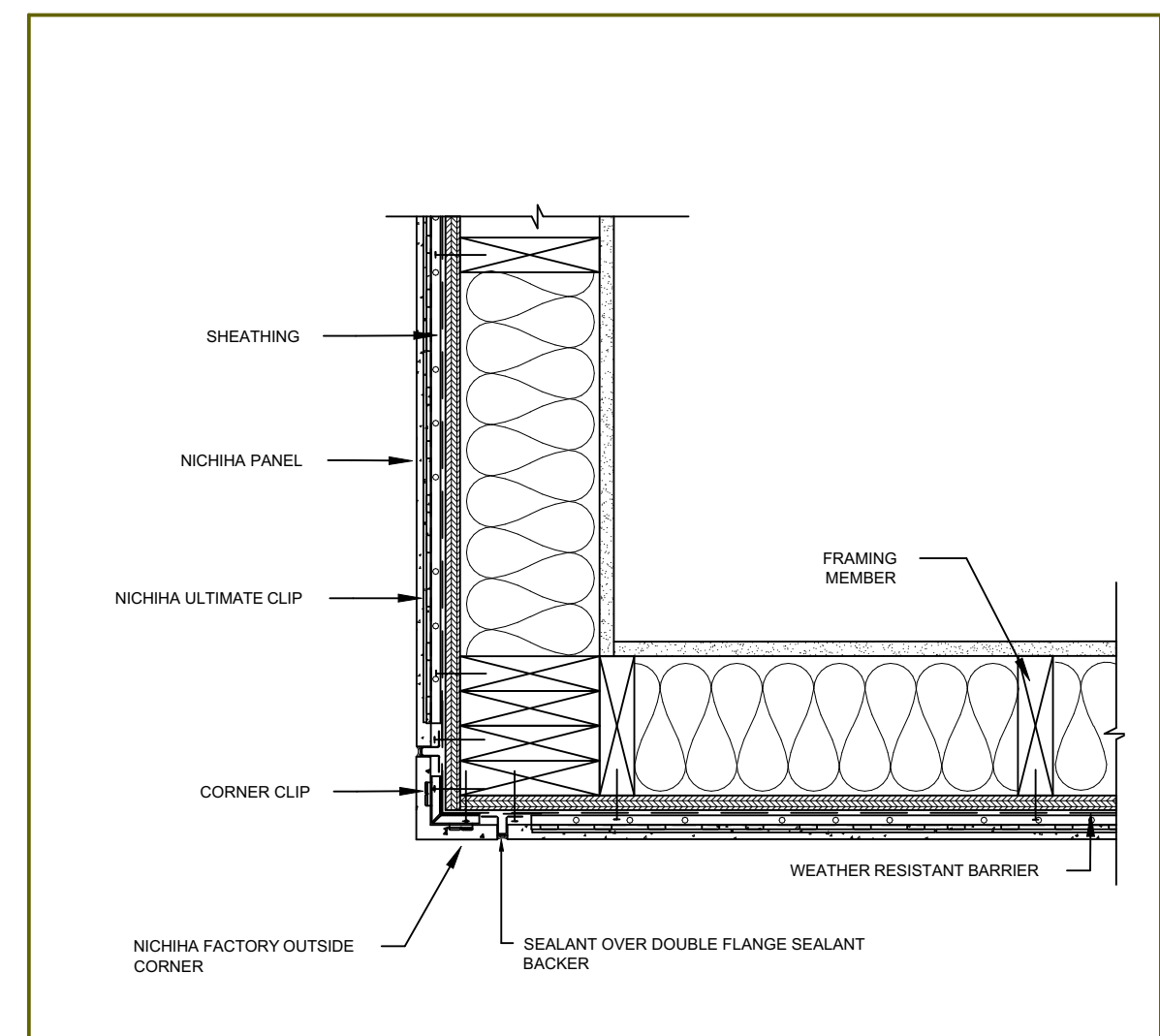
1 Typical Panel dimensions

A-4 Scale : as shown



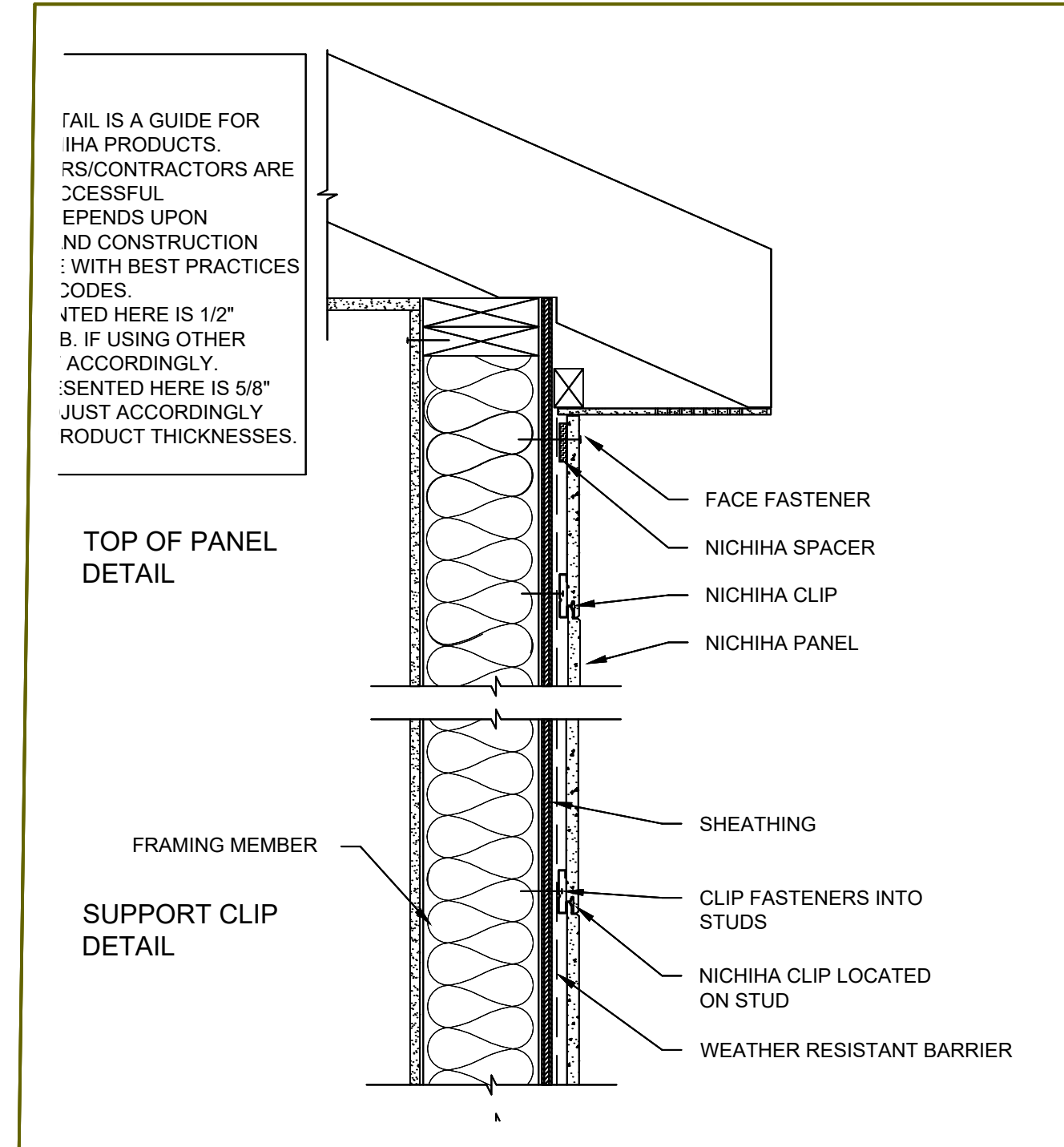
2 Typical Inside Corner-Metal trim

A-4 Scale : as shown



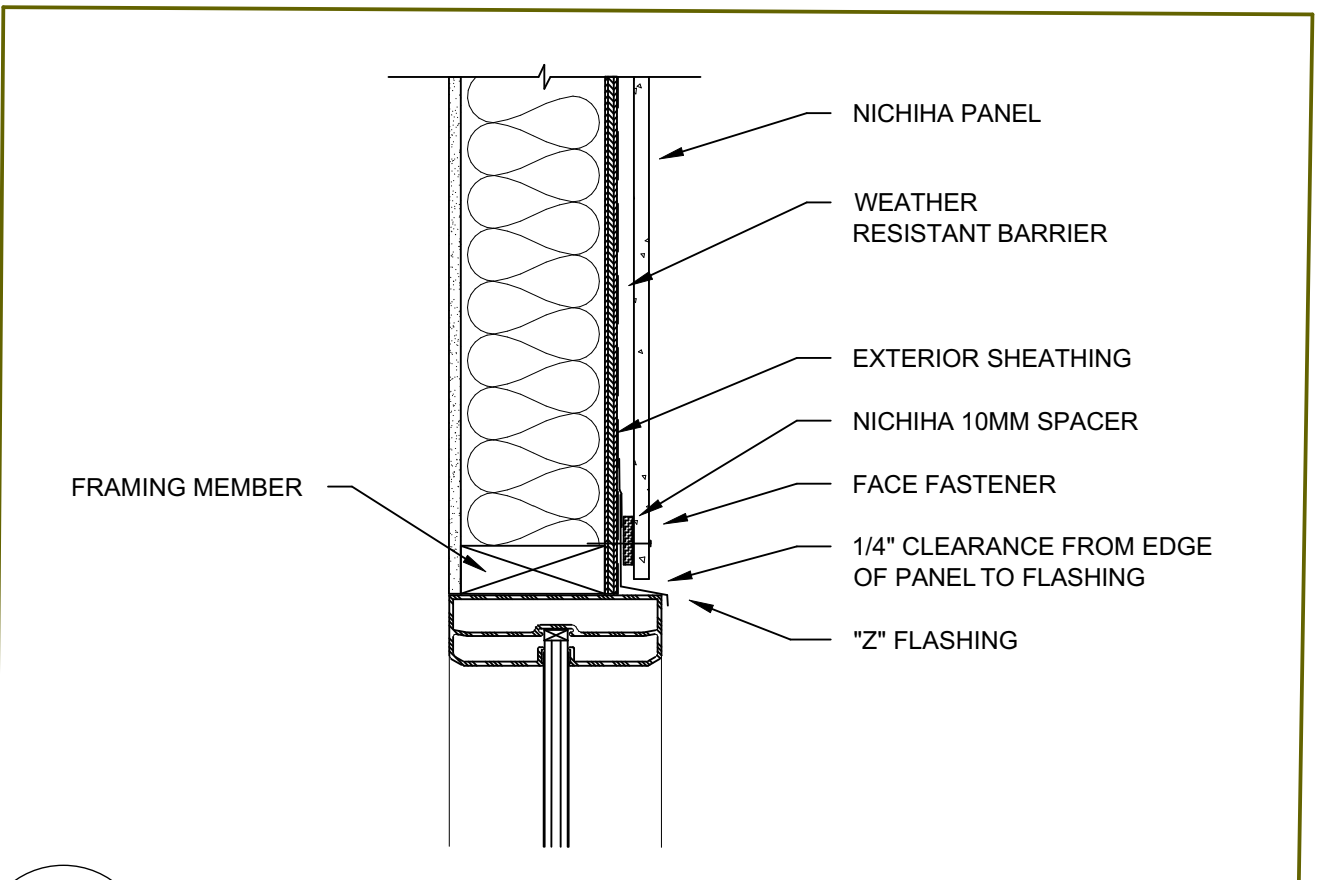
3 Typical Outside Prefab Corner

A-4 Scale : as shown



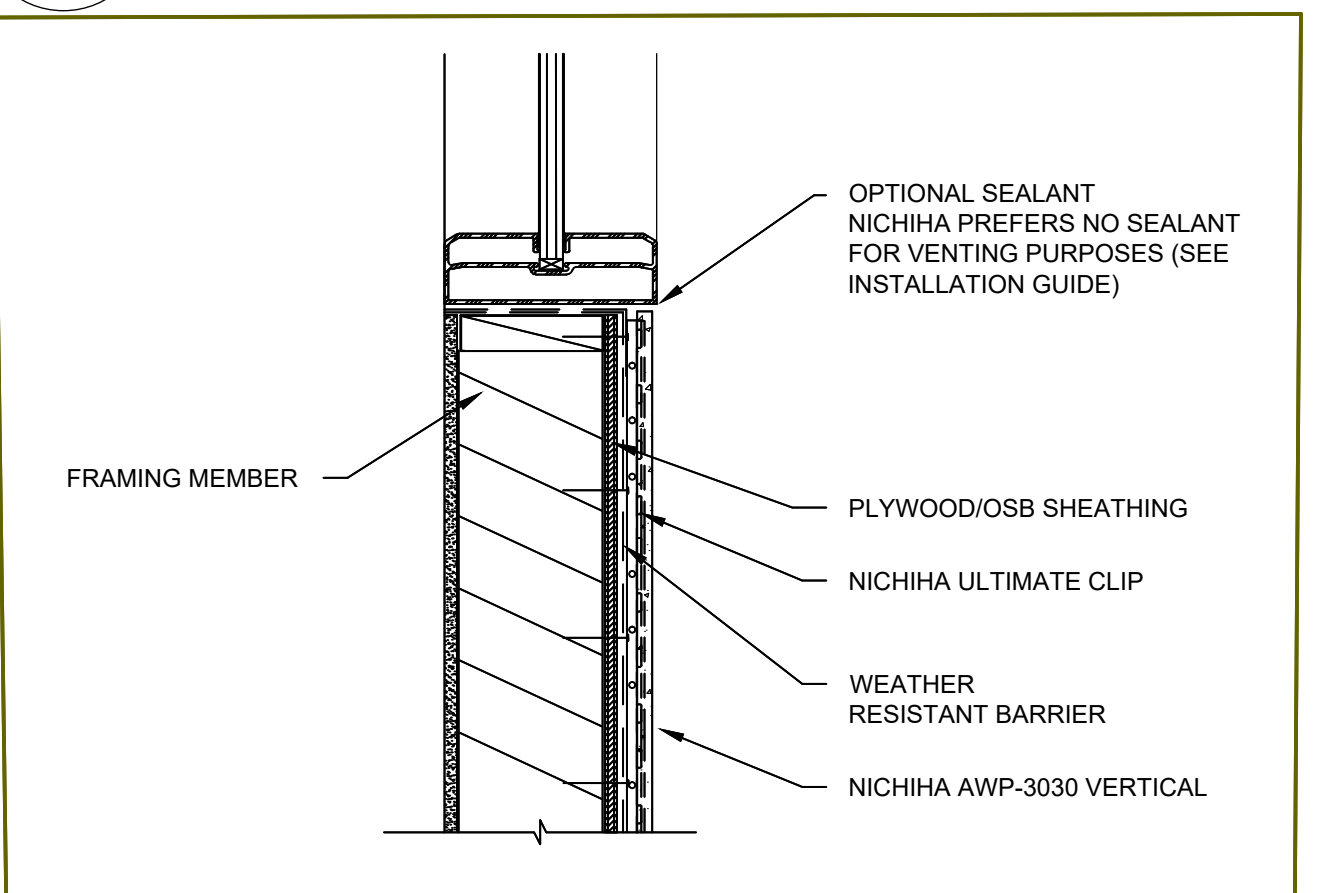
4 Typical Soffit & Wall Panel Details

A-4 Scale : 1"=1'-0"



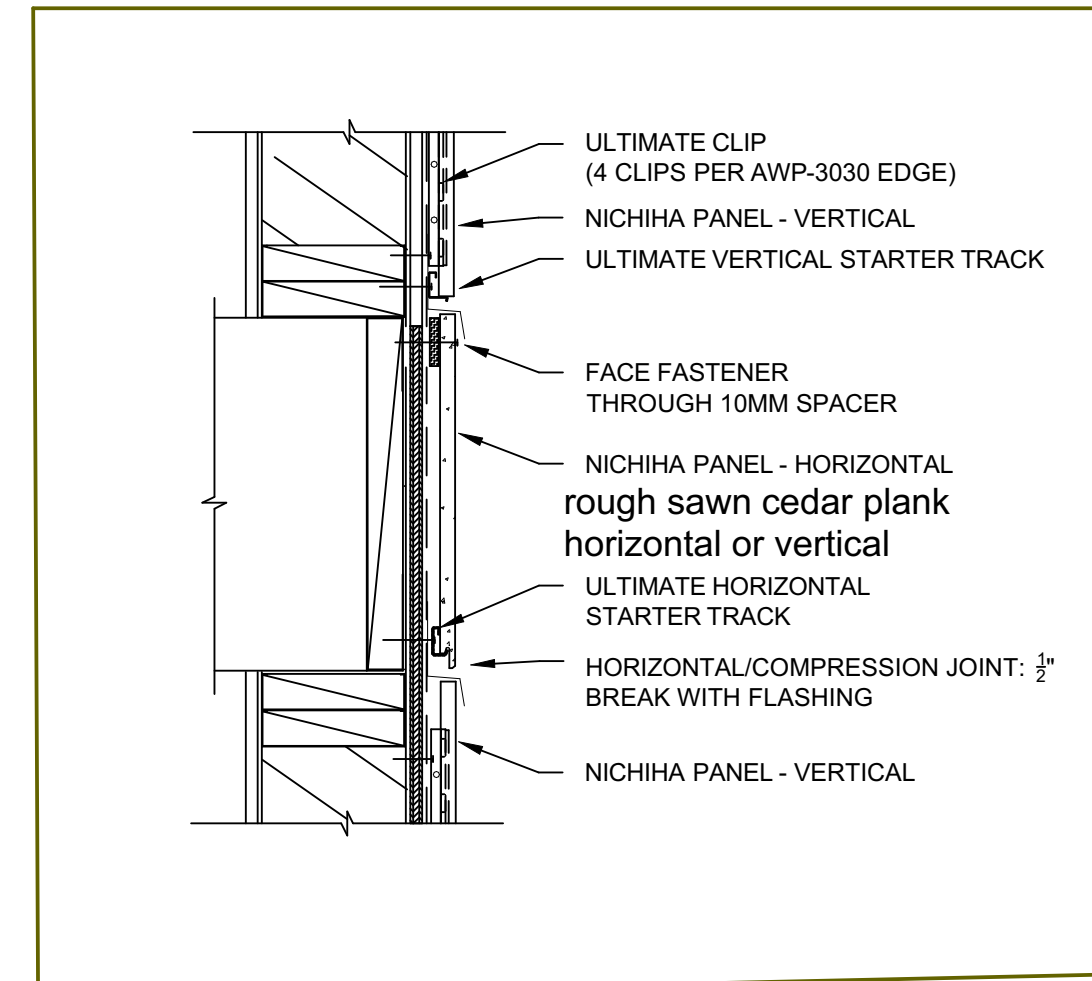
5 Typical Details at Window Head

A-4 Scale : 1 1/2"=1'-0"



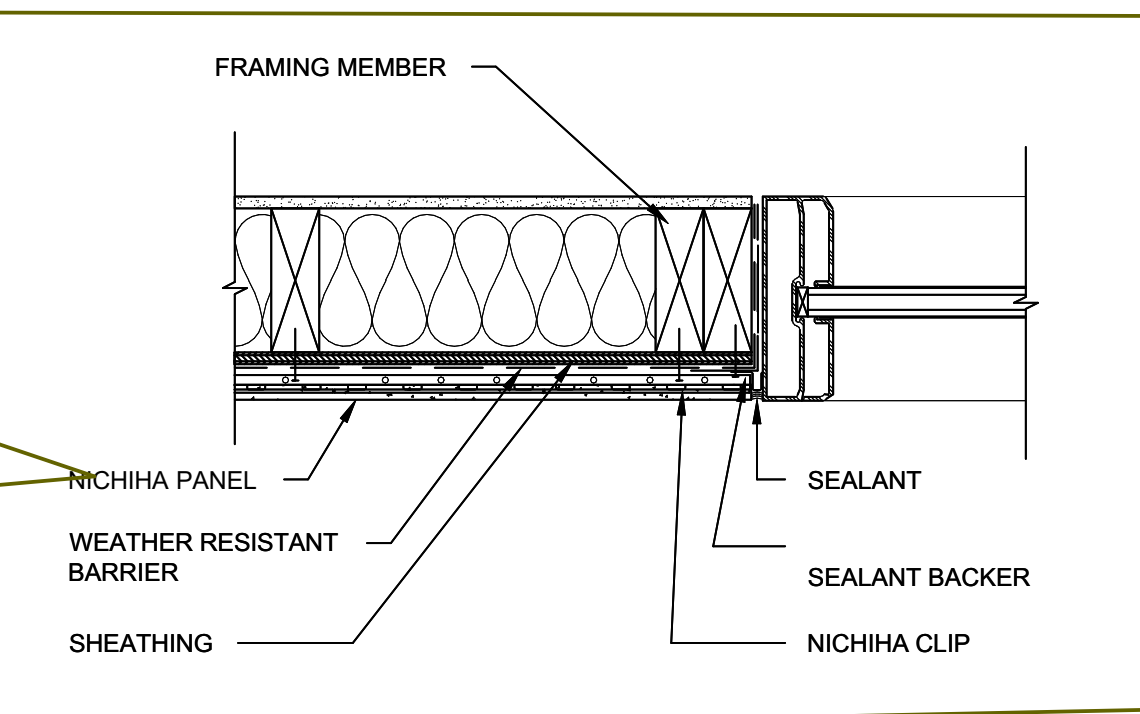
6 Typical Details at Window Sill

A-4 Scale : 1 1/2"=1'-0"



7 Typical Transition Cladding Detail

A-4 Scale : 1"=1'-0"

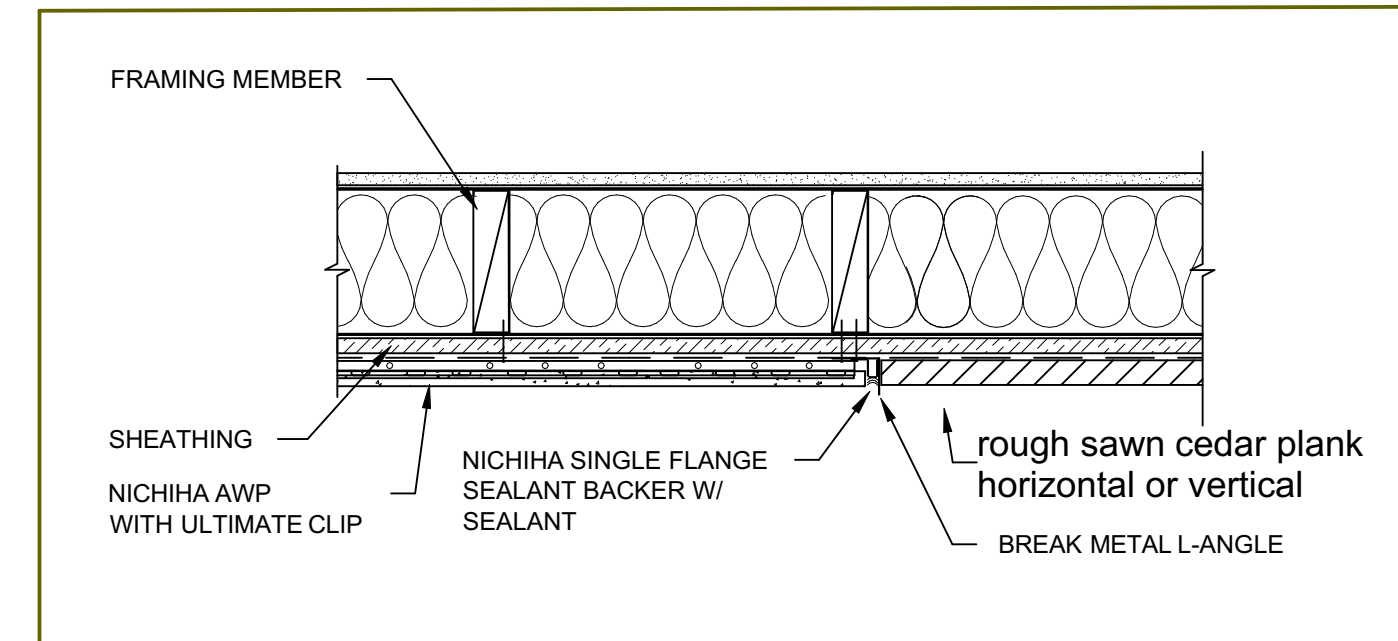


8 Typical Details at Window Jamb

A-4 Scale : 1 1/2"=1'-0"

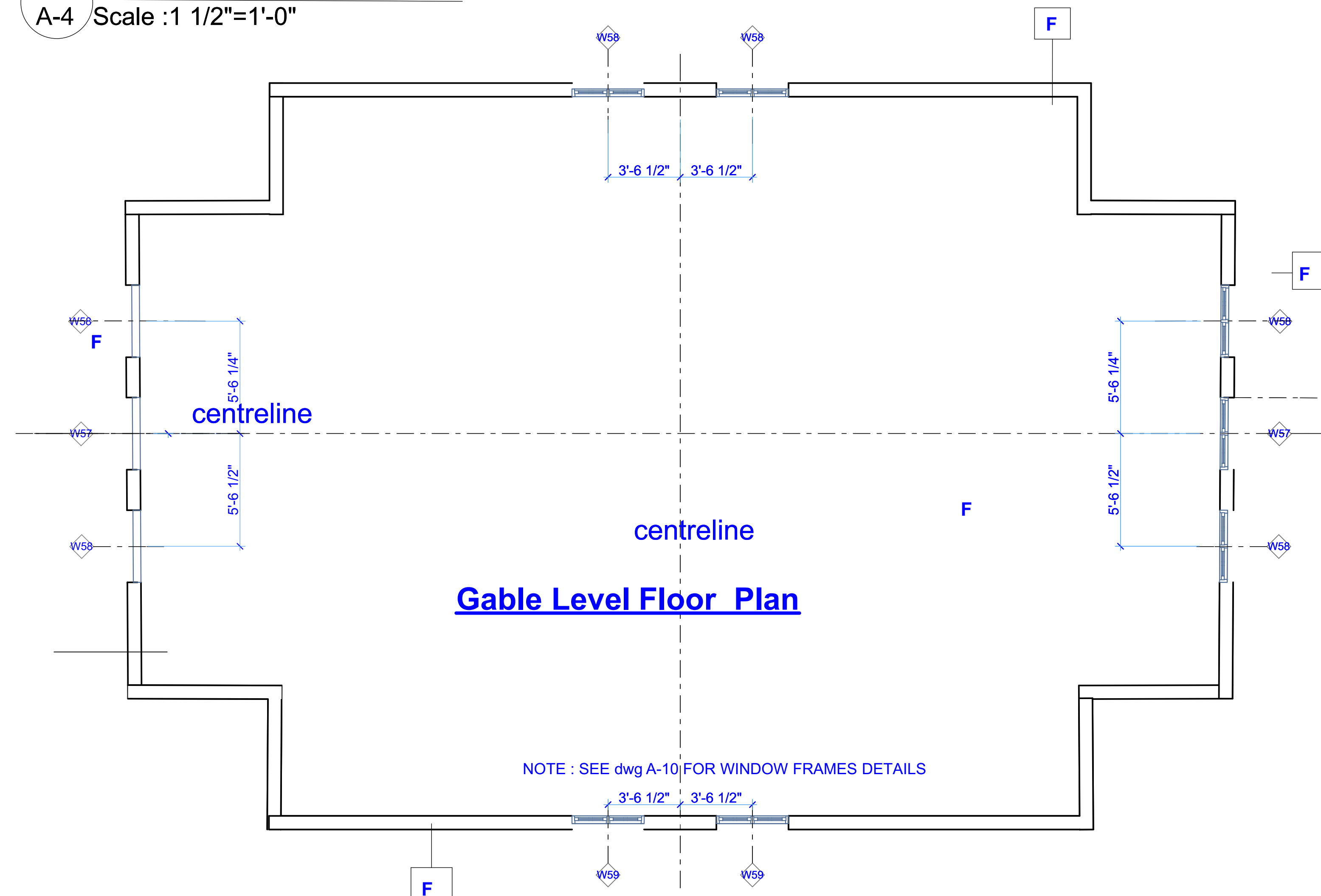
WINDOW SCHEDULE					
ID	SIZE		frame ...	MATERIAL	NOTES
	WIDTH	HEIGHT			
all windows	3'-6"	1'-8"	---	Color: Blue Royal	laminated safety glass

NOTE : SEE A-10 FOR WINDOW FRAMES DETAILS



9 Typical Transition Cladding Detail

A-4 Scale : 1 1/2"=1'-0"



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Bath-Houses "A", "B" & Mills Camp

Burlingame State Park Bathouses

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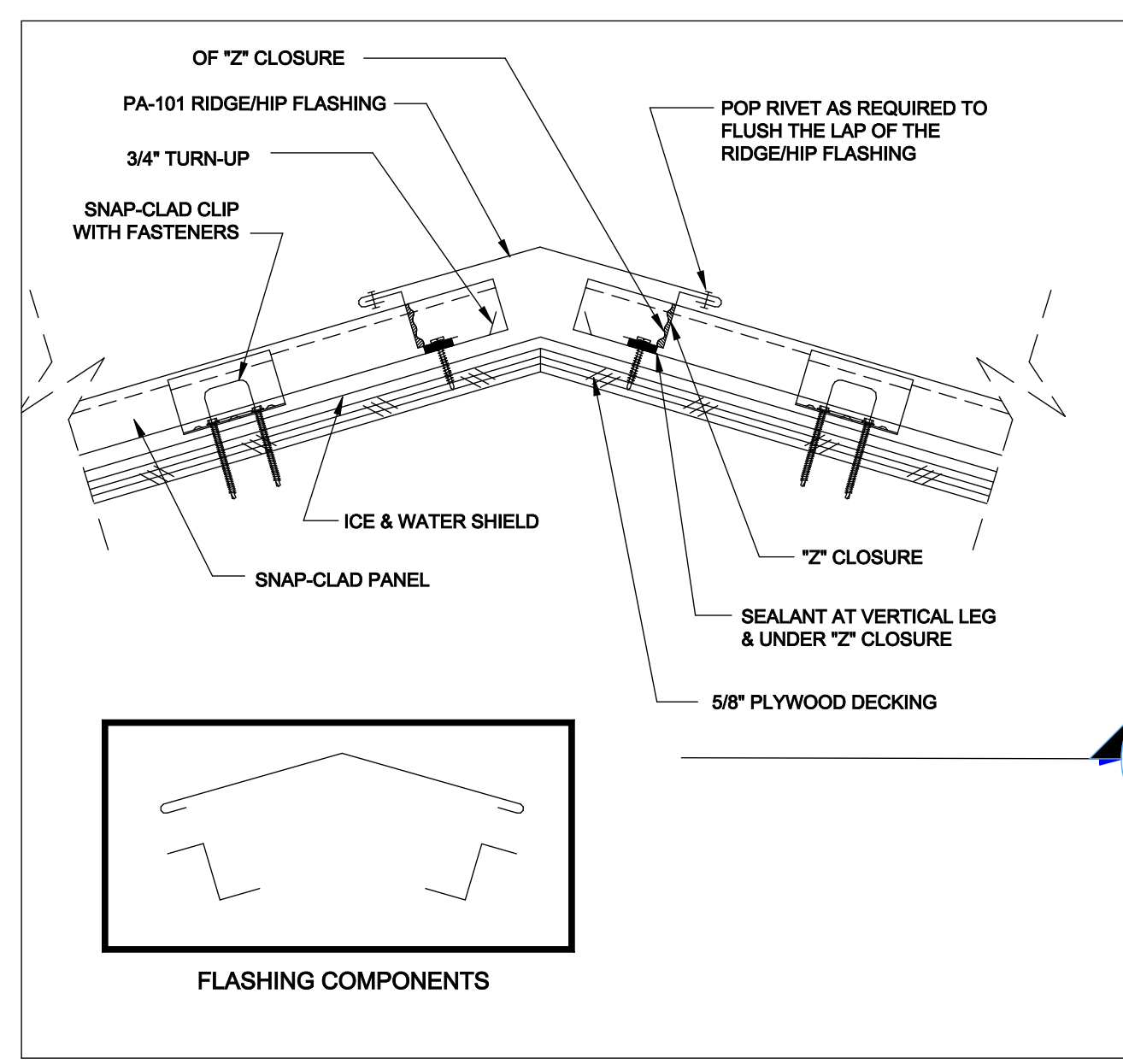
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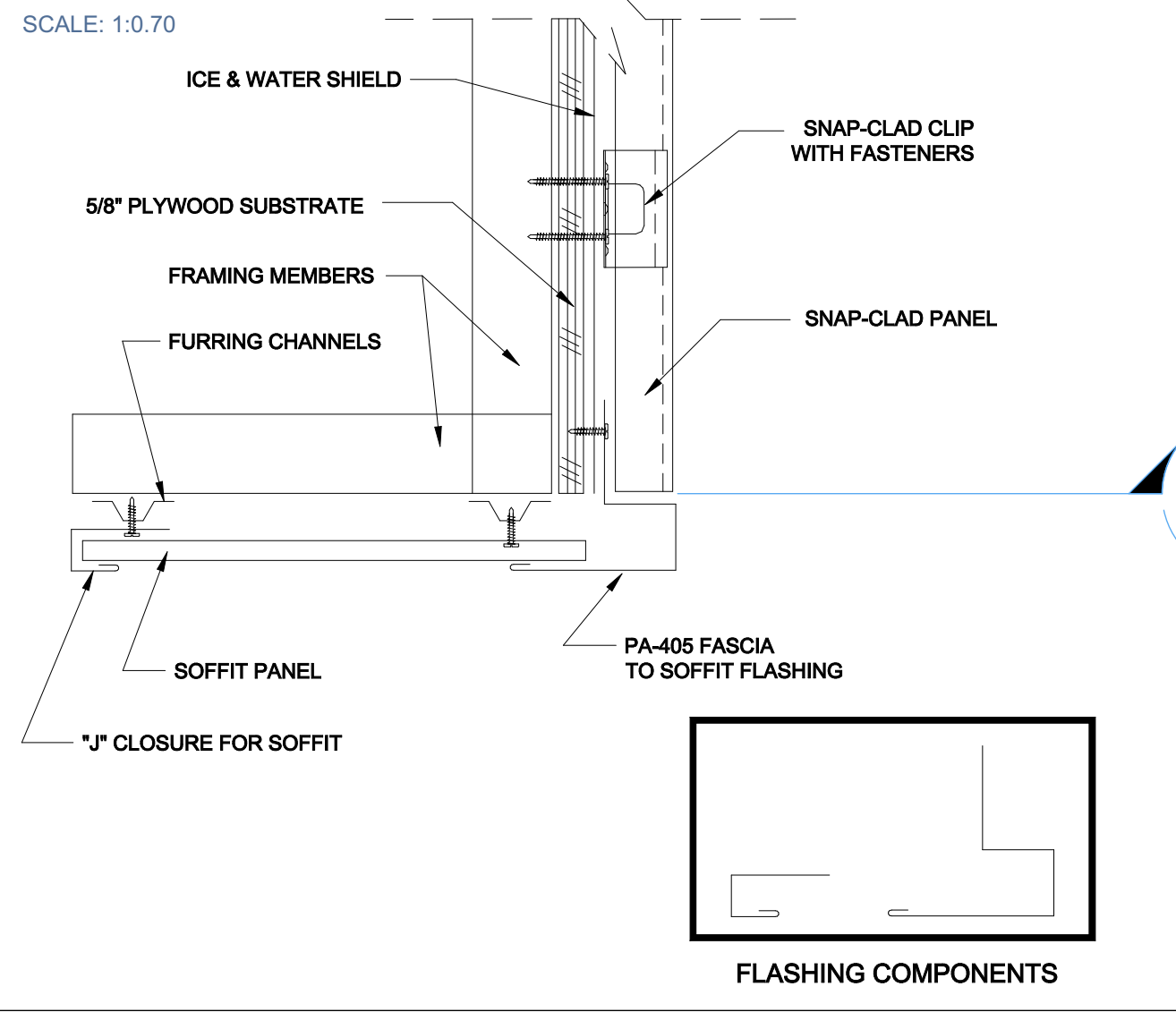
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Gable level Plan

A-4a

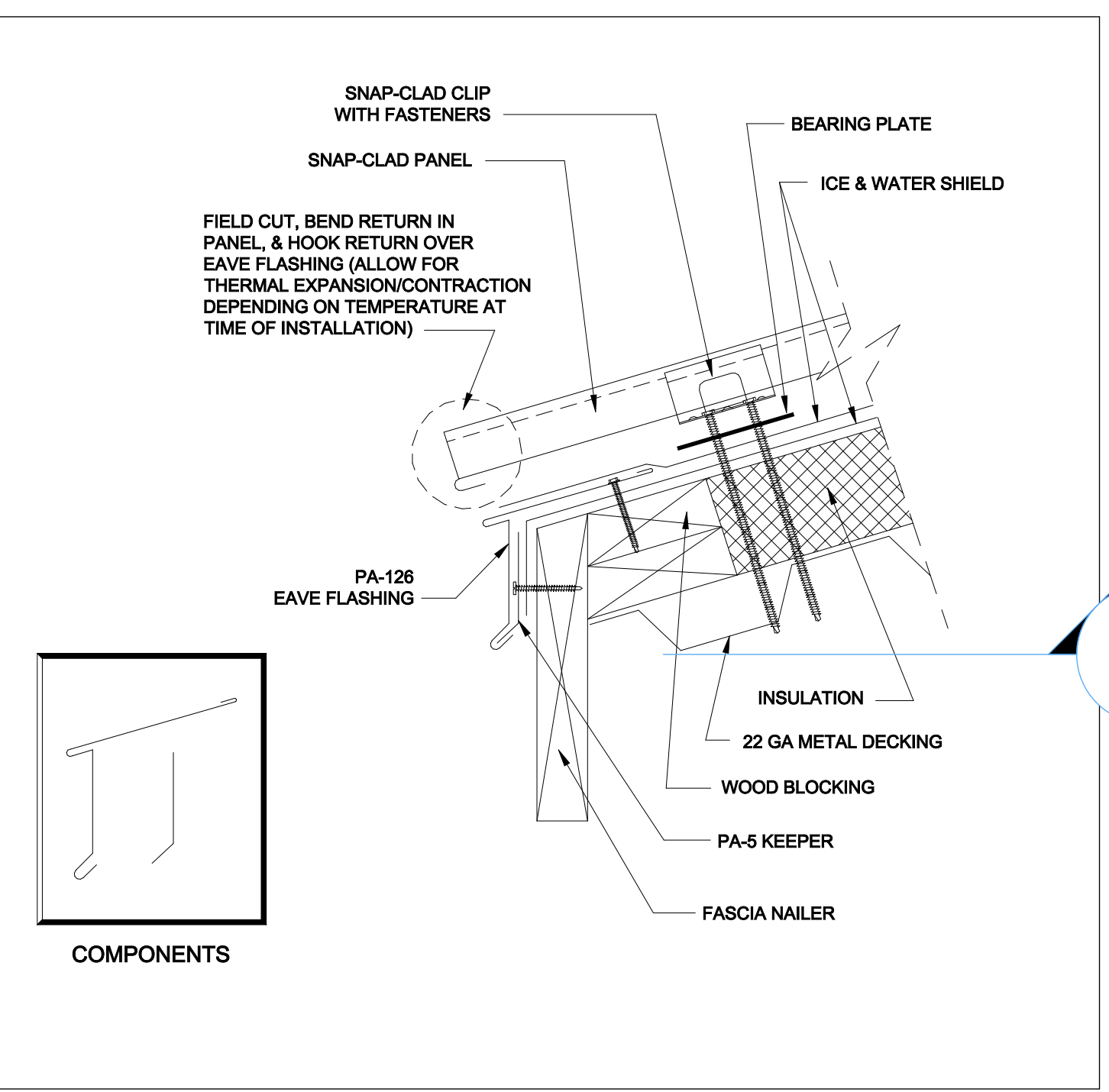
SHEET 4 OF 17



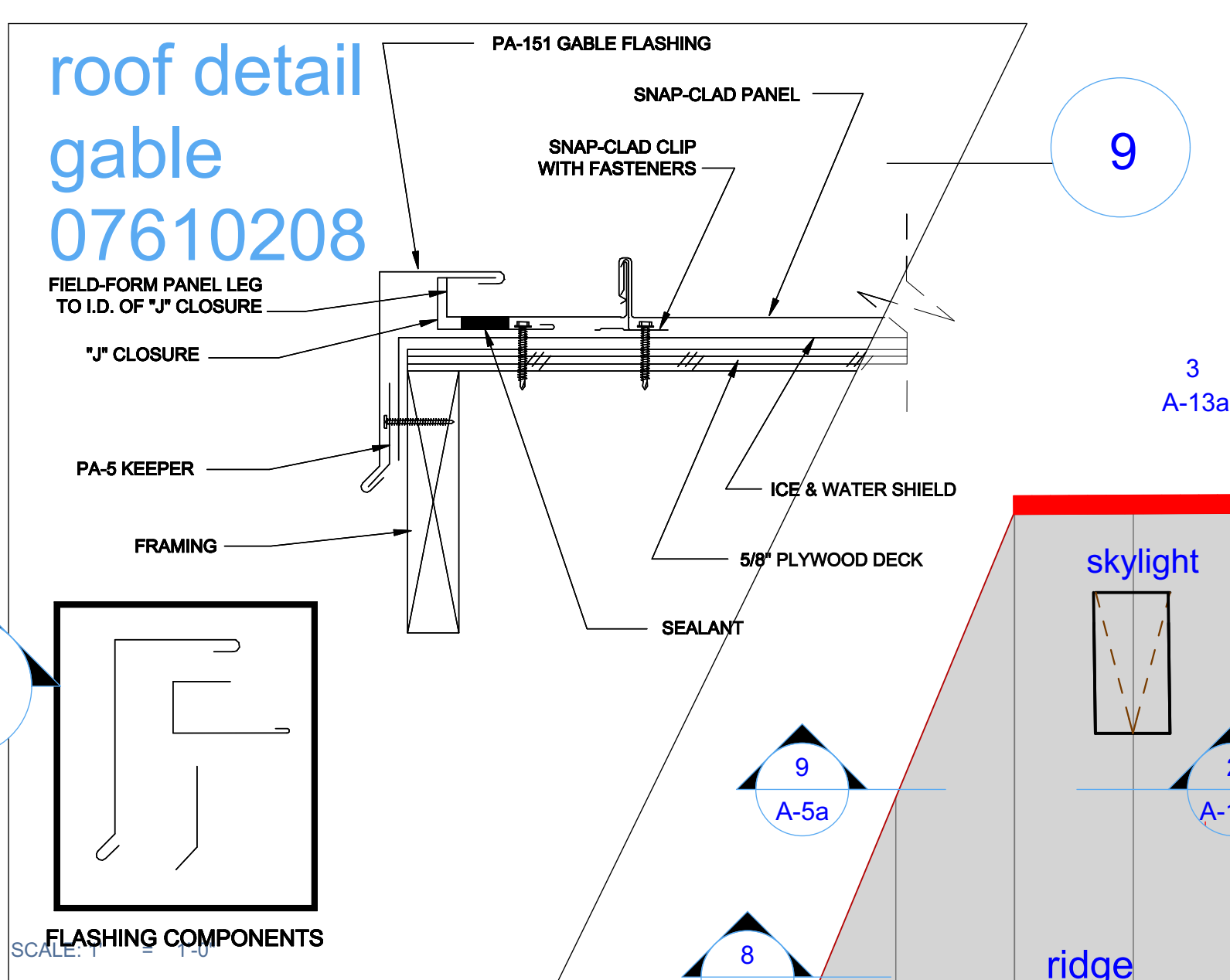
roof ridge 07610212



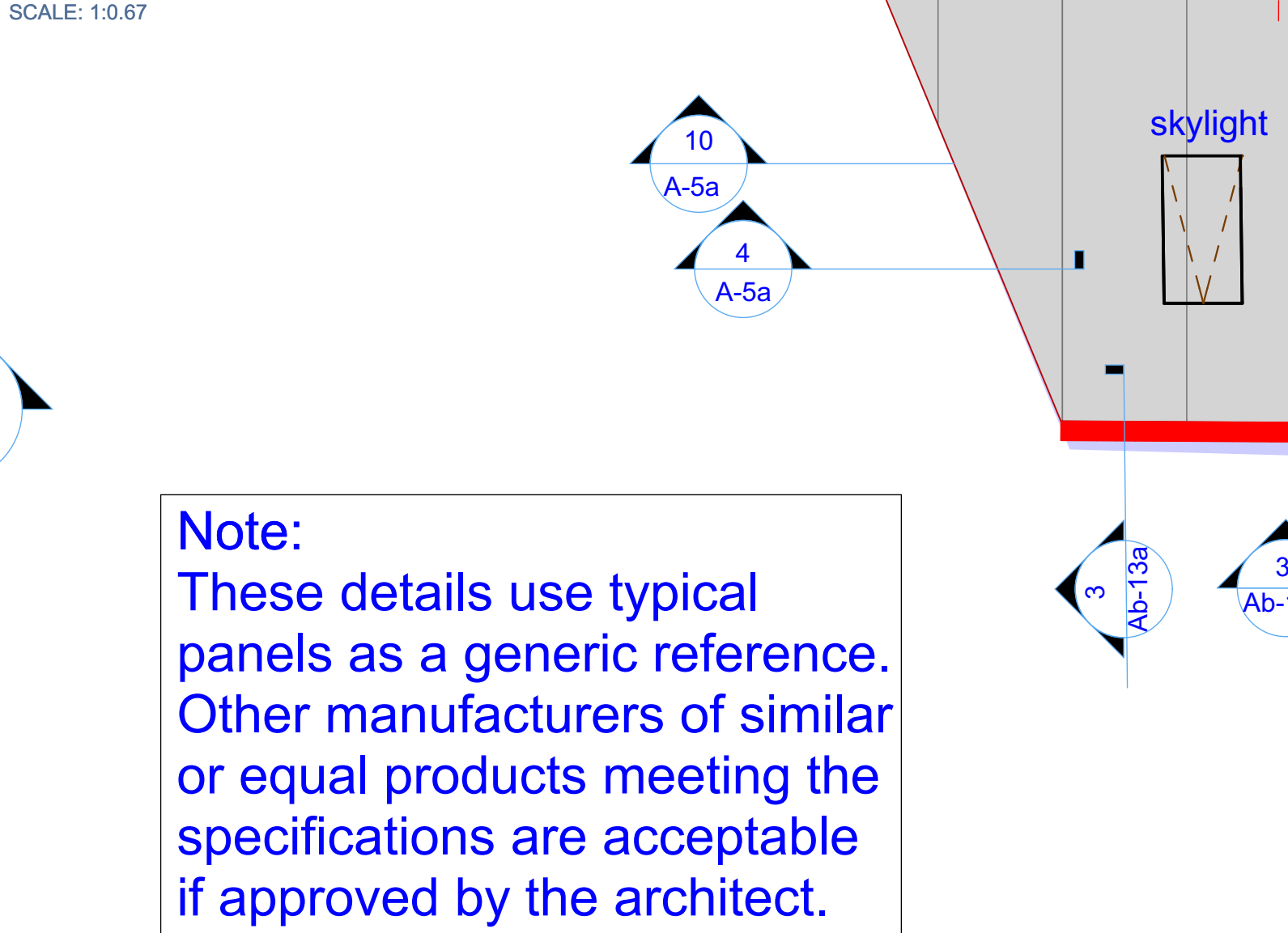
roof soffit details 07610206



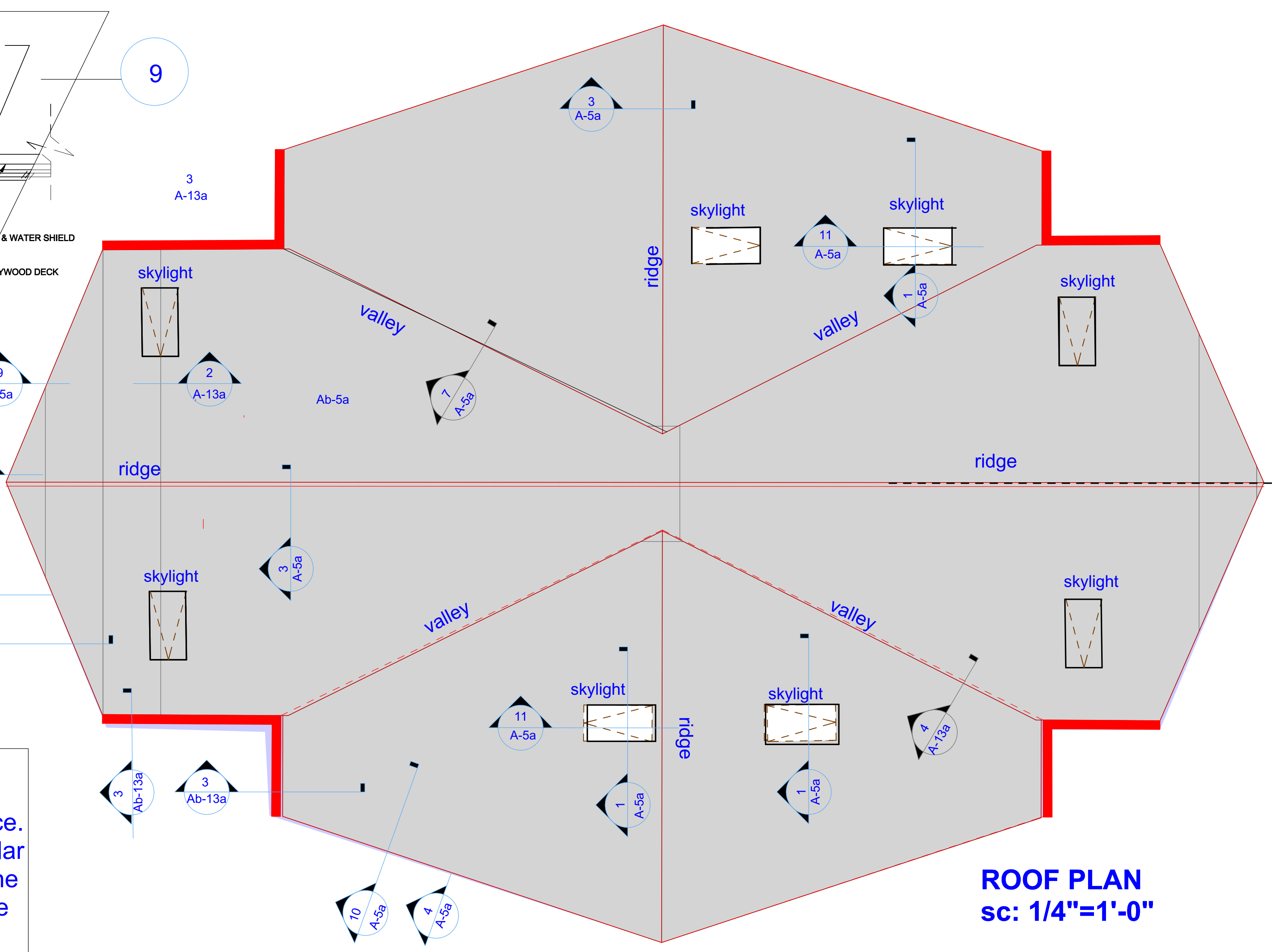
roof eave 07610231



roof detail gable 07610208

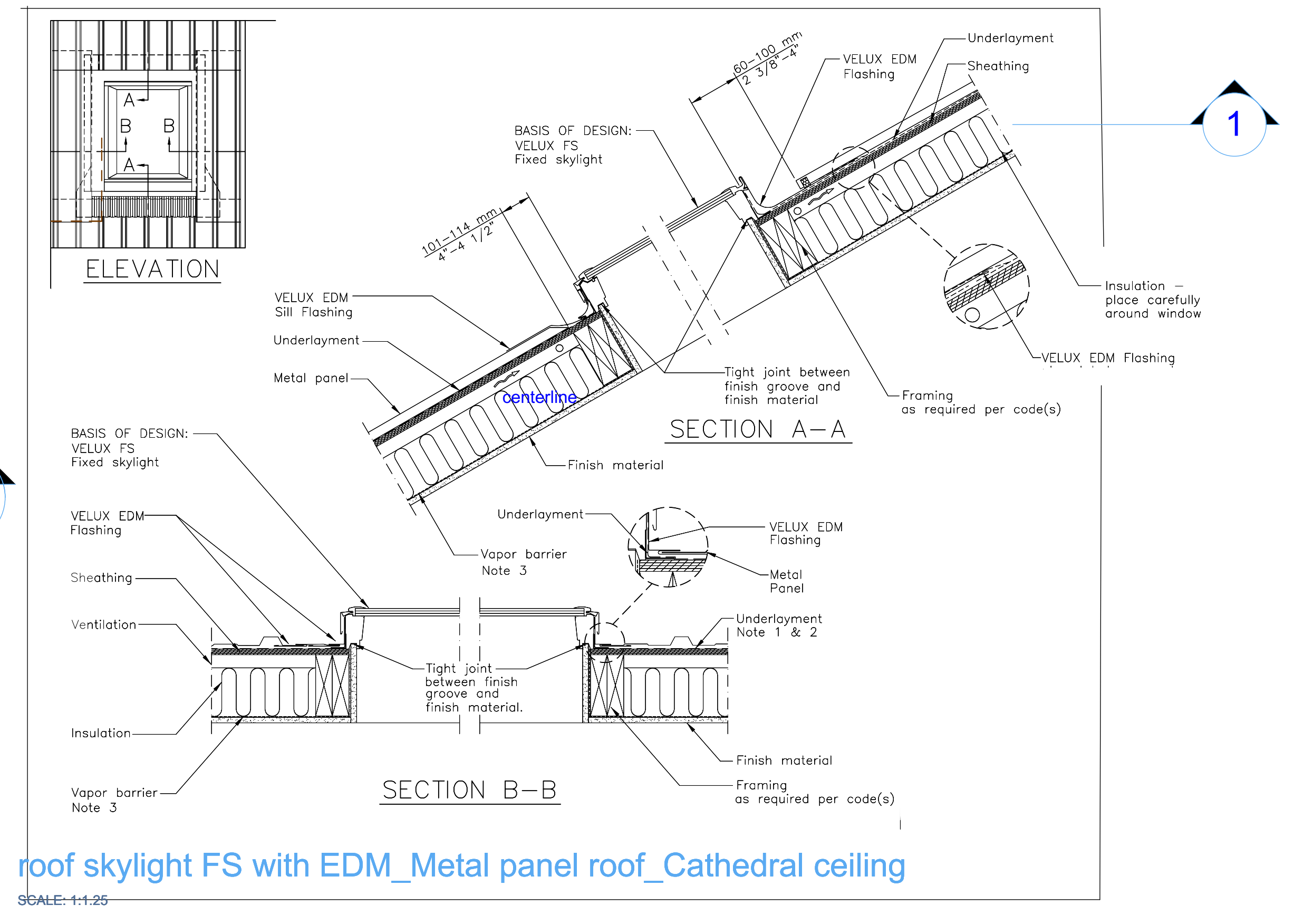


roof peak 07610215



ROOF PLAN
sc: 1/4"=1'-0"

Note:
These details use typical panels as a generic reference. Other manufacturers of similar or equal products meeting the specifications are acceptable if approved by the architect.



roof skylight FS with EDM_Metal panel roof_Cathedral ceiling

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SHEET TITLE

ROOF PLAN
sc: 1/4"=1'-0"

A-5a
SHEET 5 OF 17

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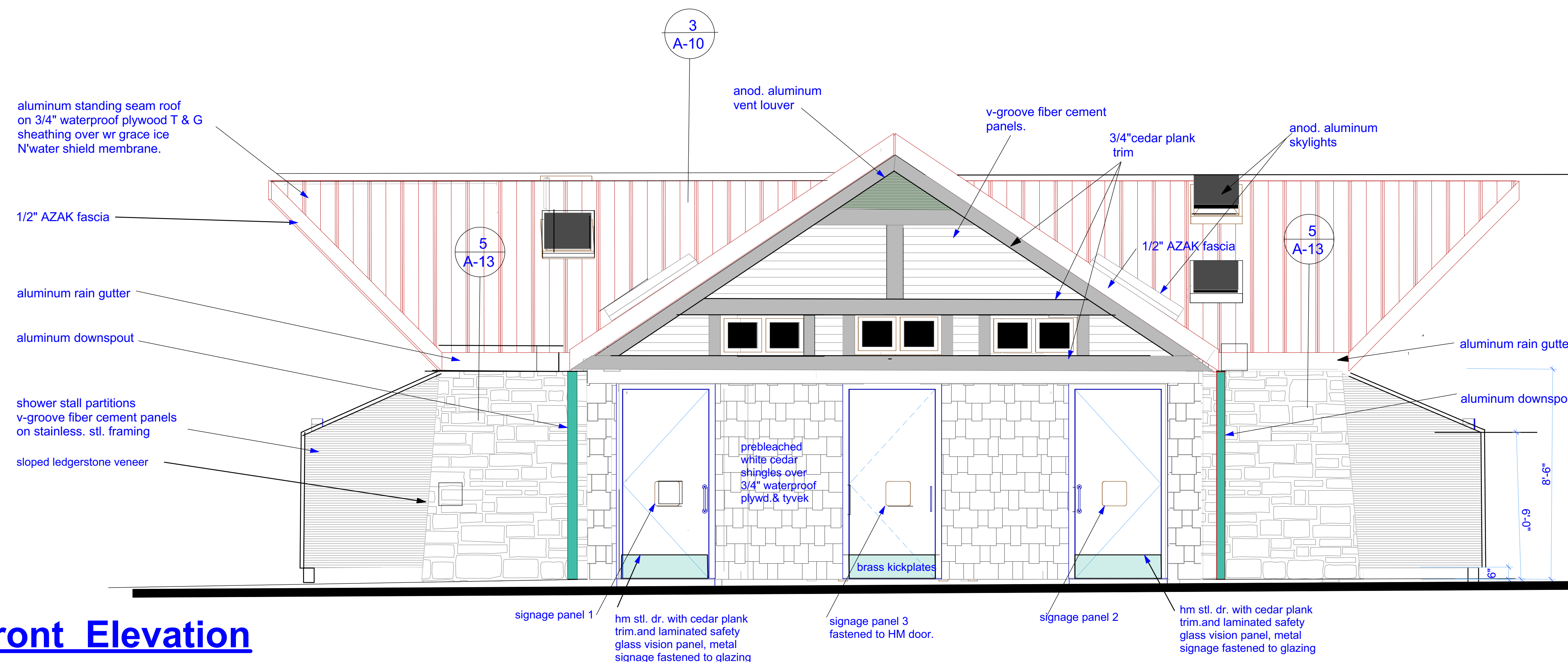
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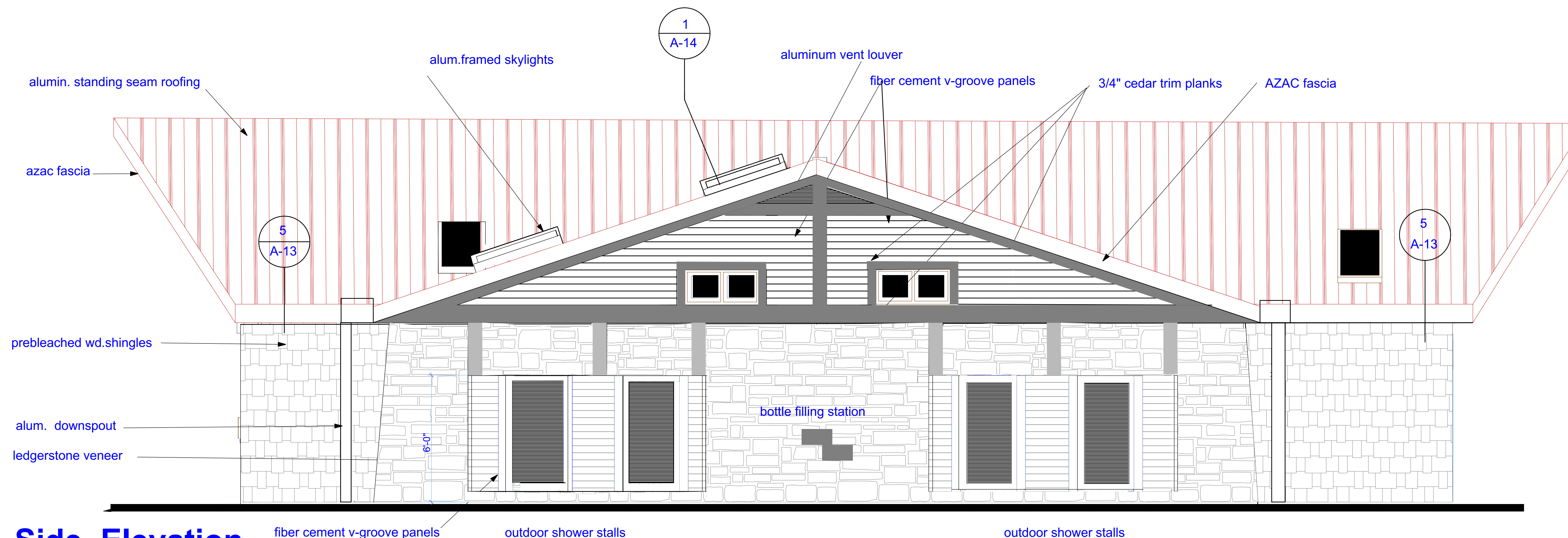
MARK	DATE	DESCRIPTION

SHEET TITLE
Elevations Front & Side

A-6a
 SHEET 6 OF 17



1
A-6
Front Elevation
sc : 3/8"=1'-0"



2
A-7
Side Elevation
sc : 3/8"=1'-0"

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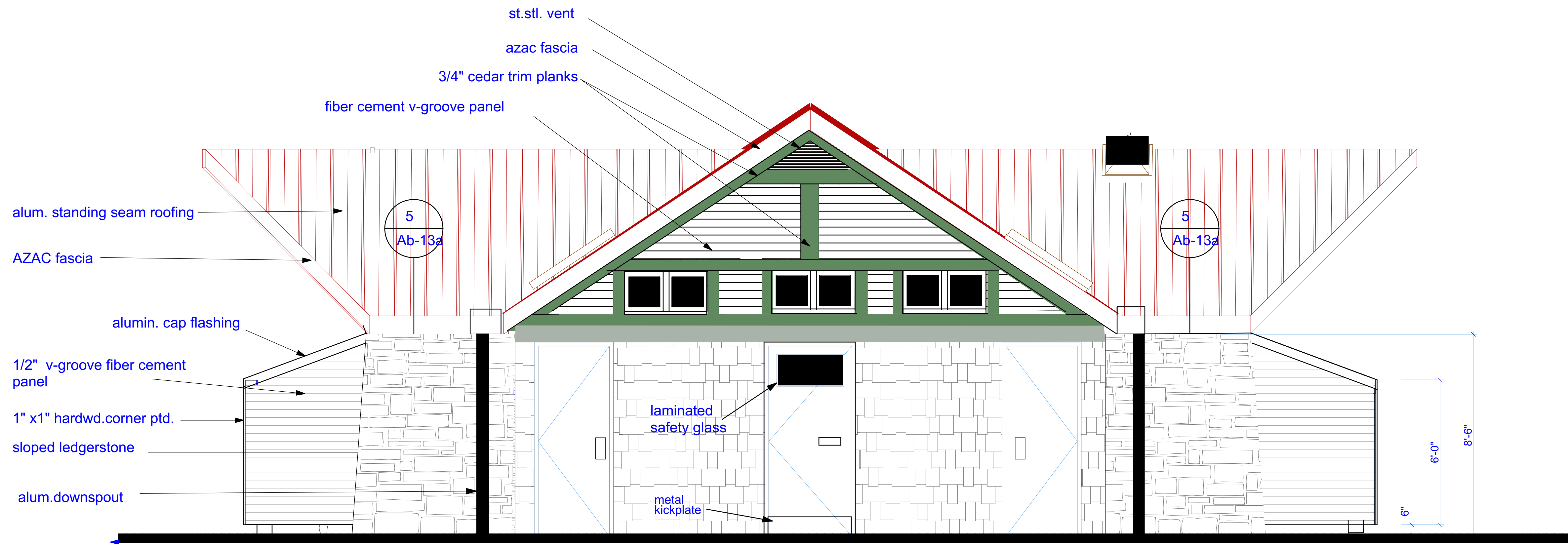
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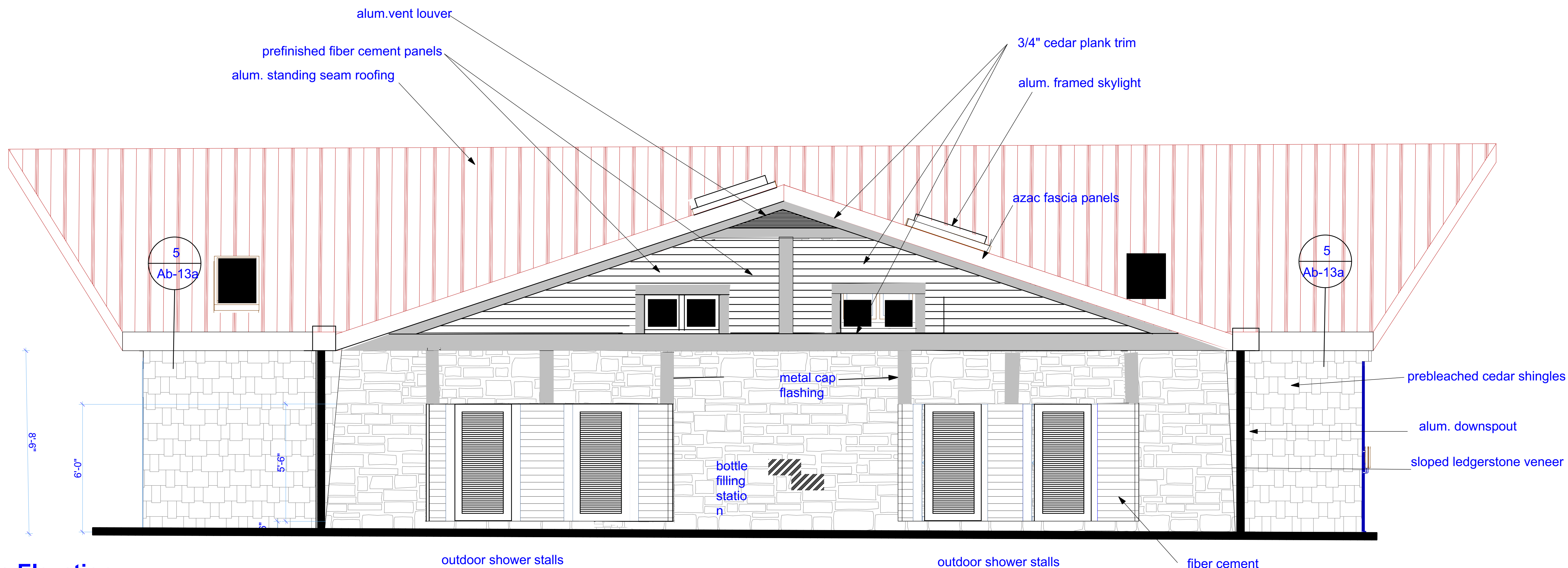
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SHEET TITLE
Elevations Rear & Side

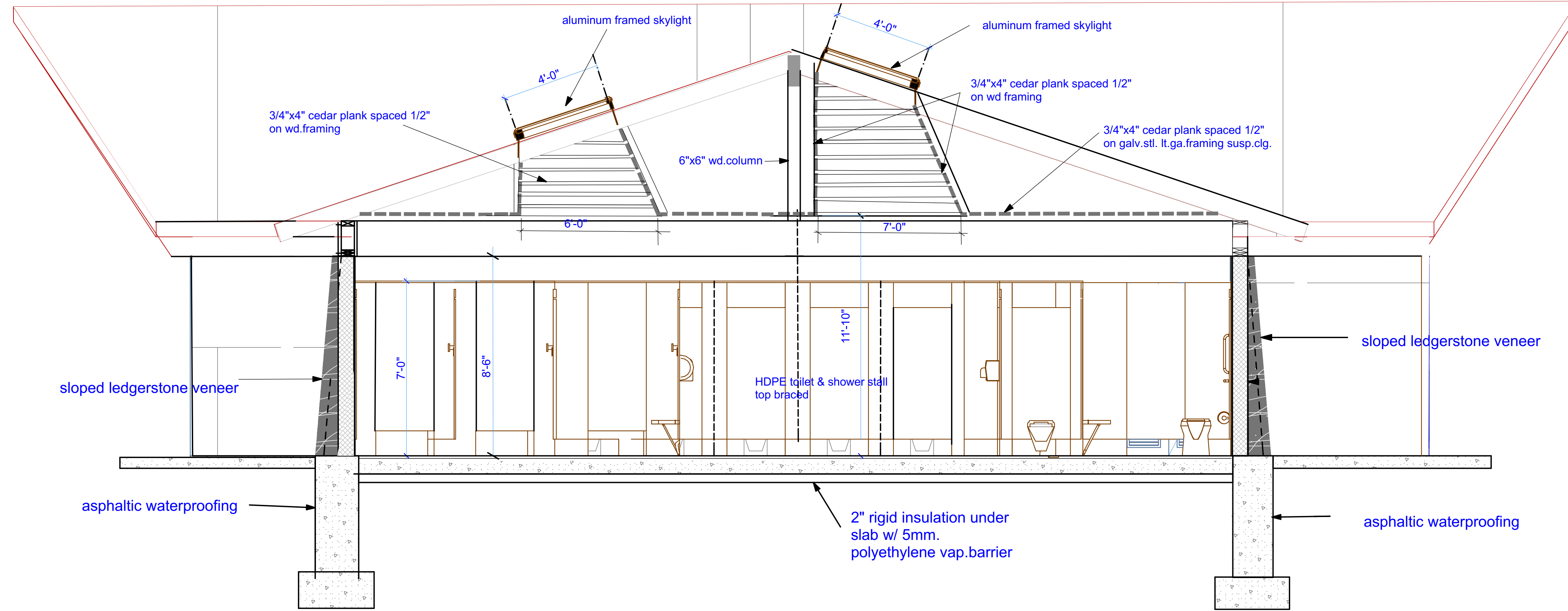
A-7a
 SHEET 7 OF 17



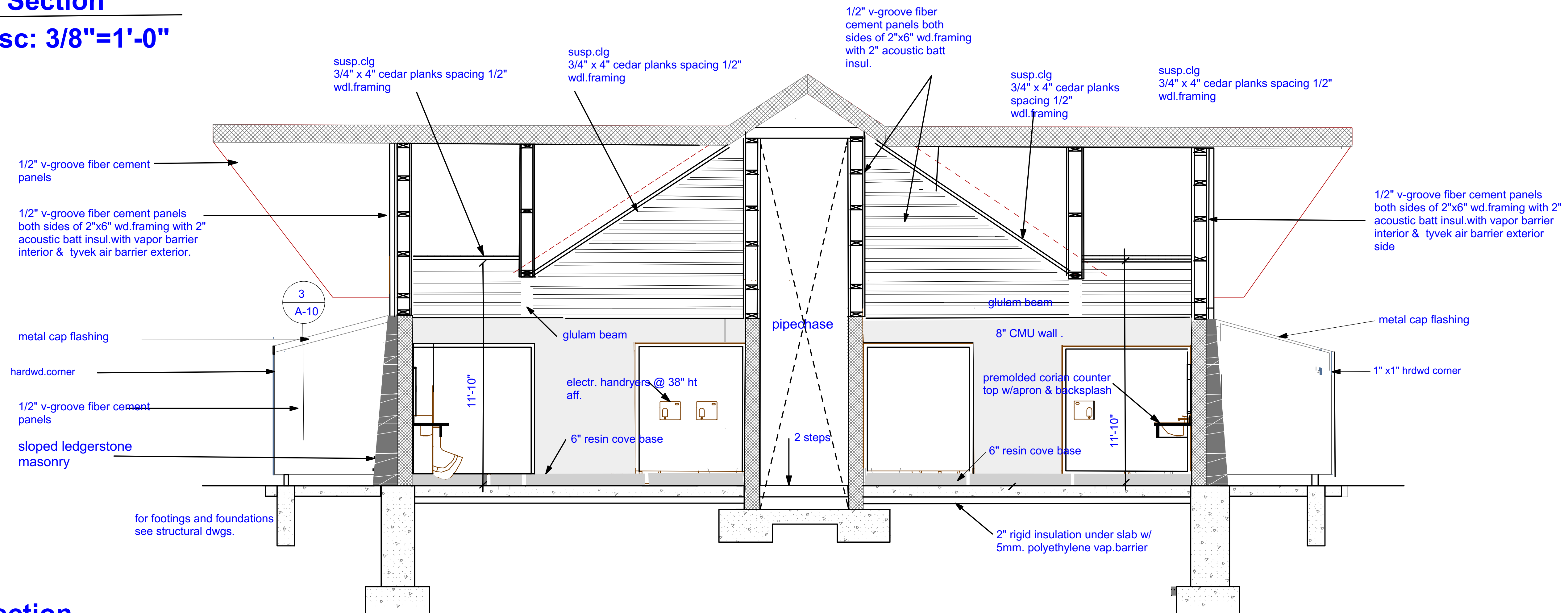
1
 Ab-7a
Rear Elevation
 sc : 3/8"=1'-0"



2
 A-7
Side Elevation
 sc : 3/8"=1'-0"



1 Section
A-8 sc: 3/8"=1'-0"



2 Section
A-8 sc: 3/8"=1'-0"

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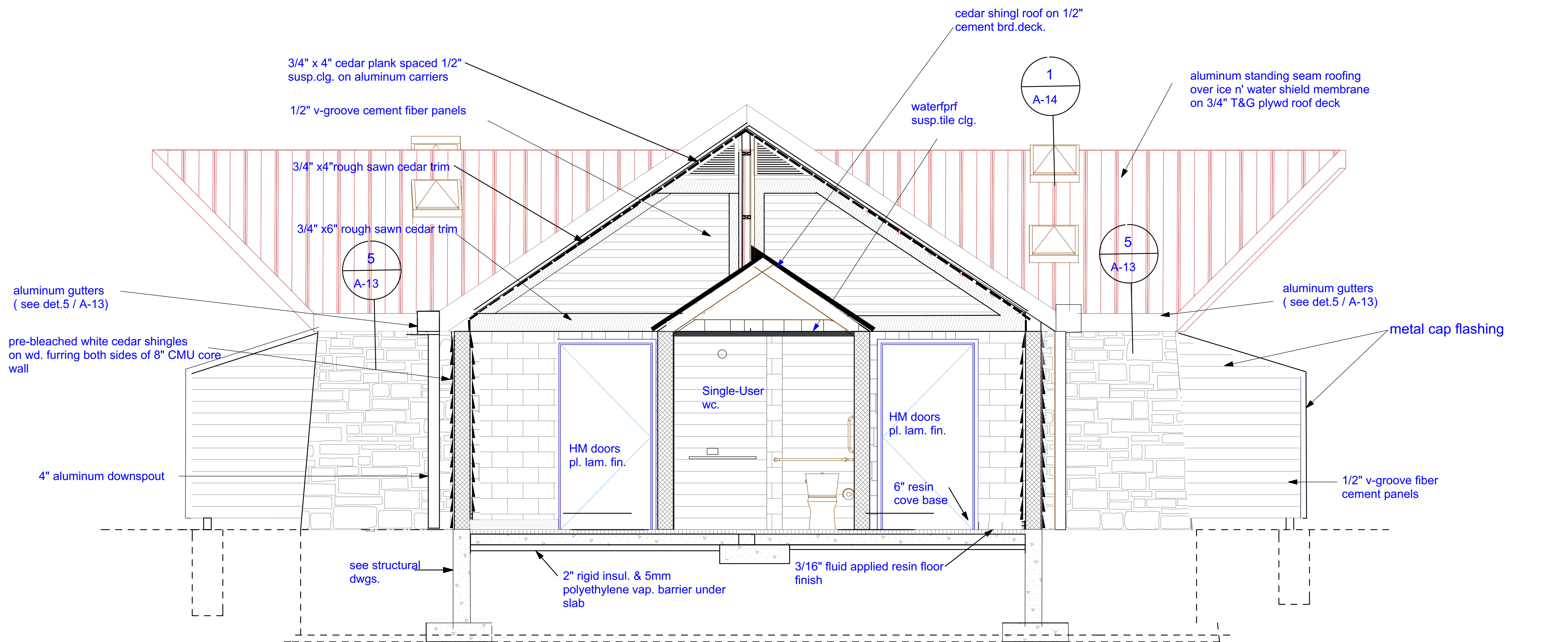
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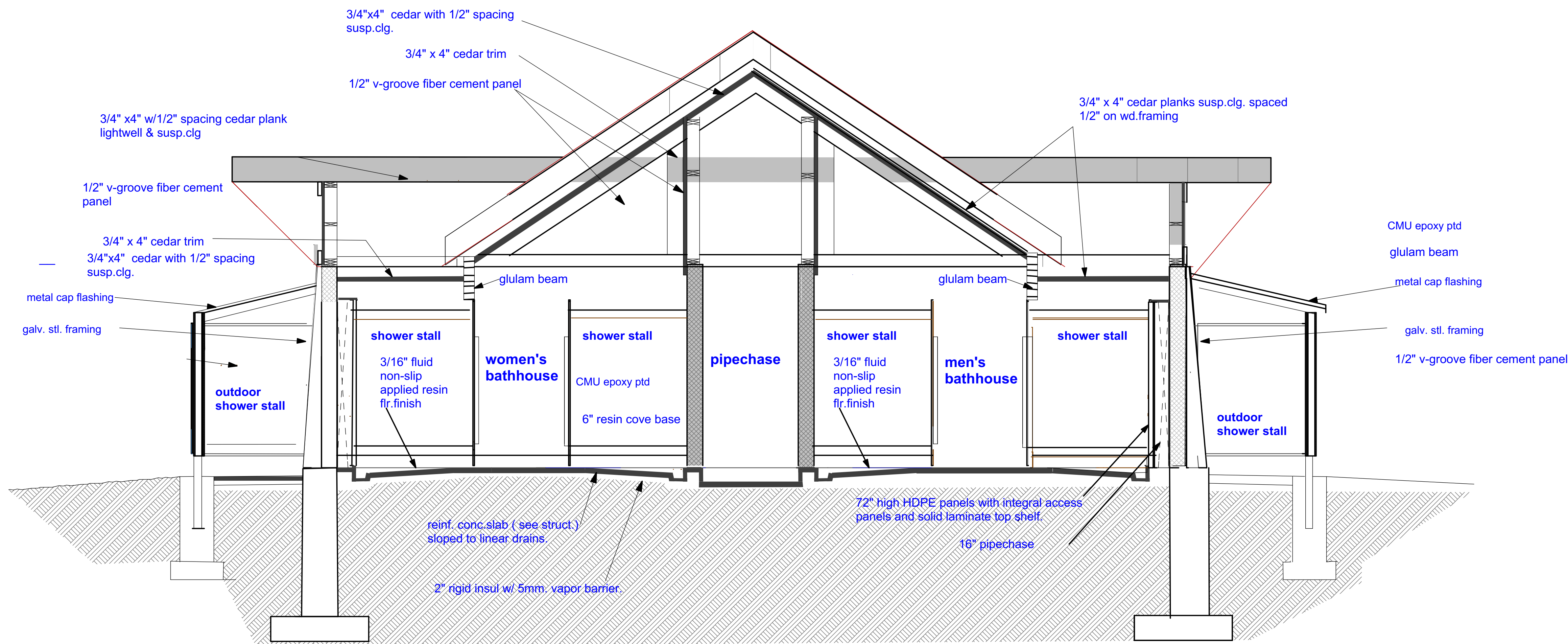
SHEET TITLE

Sections

A-8a



1
A-9



2

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SHEET TITLE

Sections

A-9a
SHEET 9 OF 17

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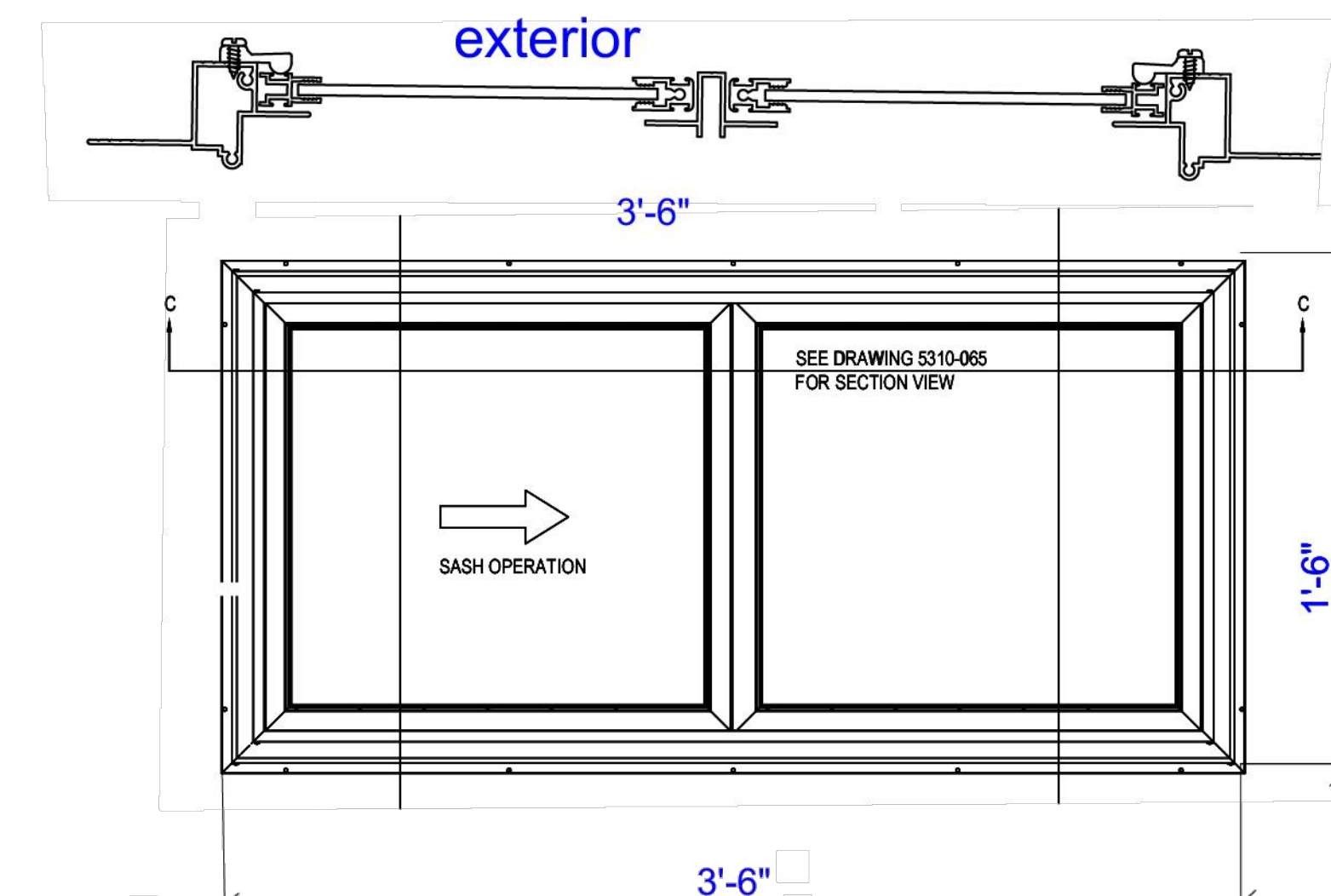
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DOOR TYPES

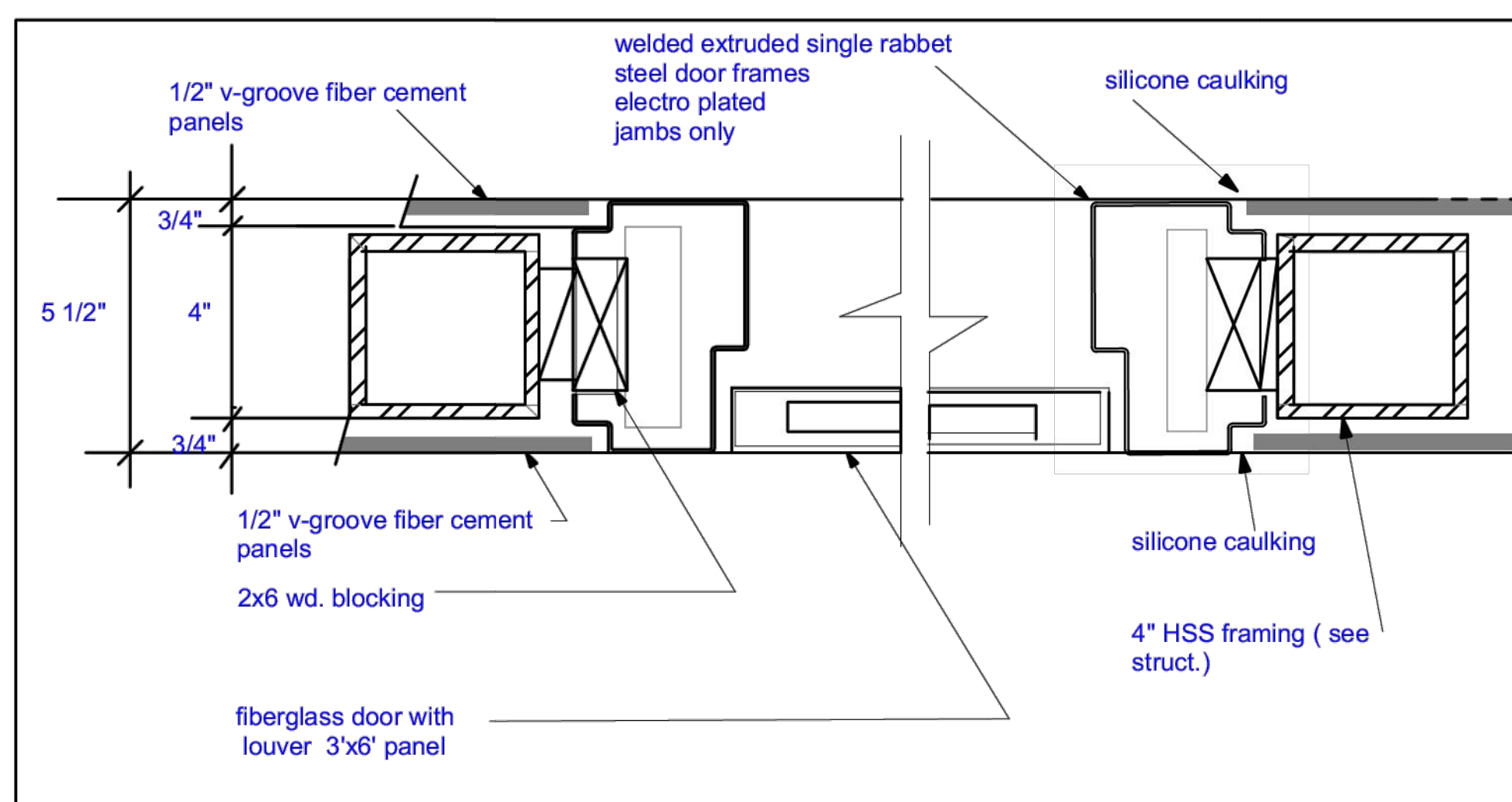
TYPE	---	---	---	Flush	Custom Door Leaf	Style 11
VIEW						
DIMS	3'-10 1/2"x7'-11 1/4"	3'-6"x7'-9"	7'-11 1/4"x6'	3'x8'	--	3'-6"x8'
NOTES	doors w/lamin.safety glass	doors w/lamin.safety glass	cedar slats in alum. frame	all exit doors	fibreglass shower doors	service door/safety glass

DOOR SCHEDULE

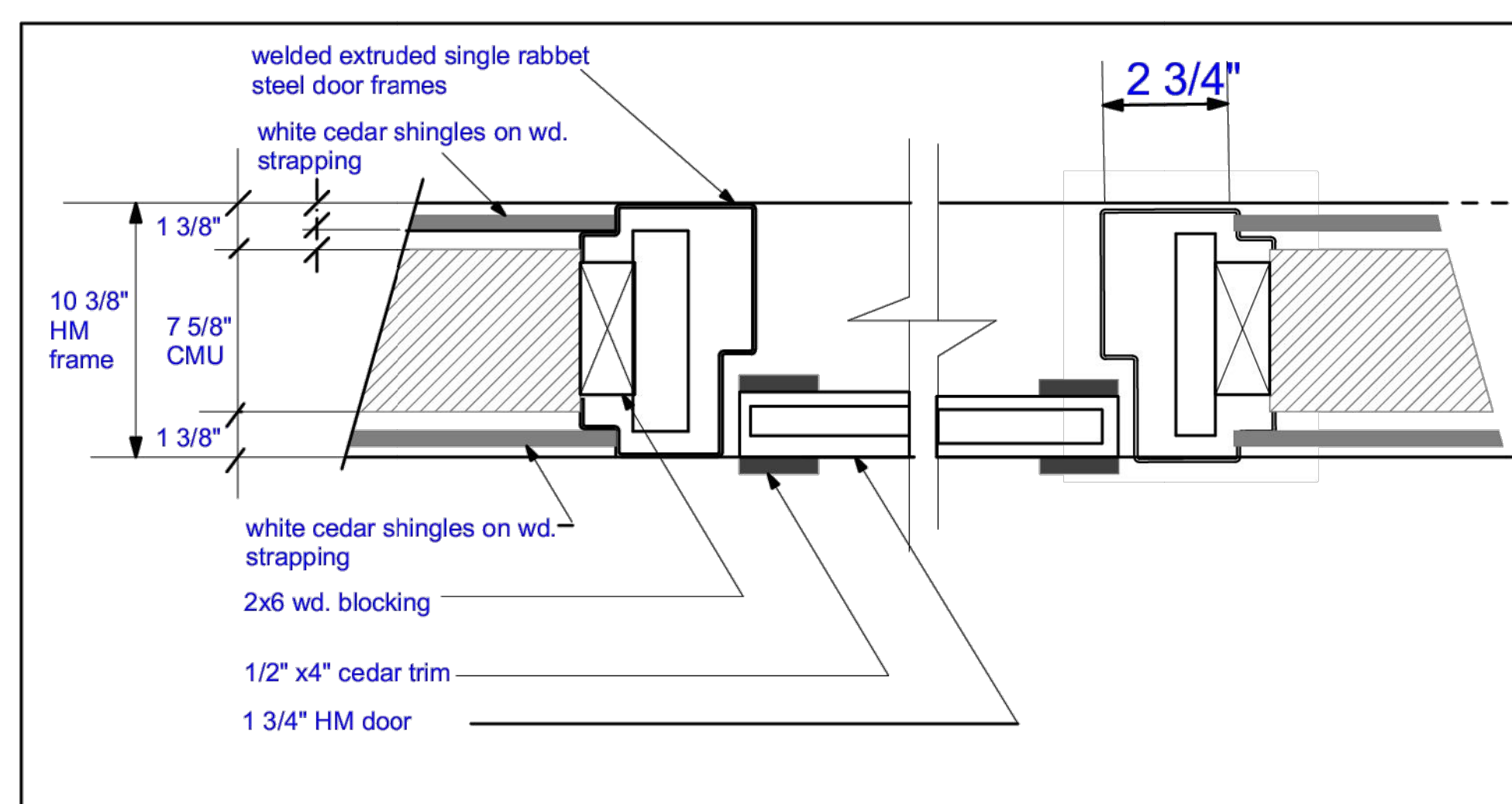
Name (Attributes)	D07	D08	D09	D09	D09	D10	D11	D11	D12	D12	D13
DOOR	Style 11	Flush	---	Flush	Custom...	---	---	---	---	---	---
TYPE	Style 11	Flush	---	Flush	Custom...	---	---	---	---	---	---
W	3'-6"	3'	4'	3'	2'-8"	4'	4'	8'	4'	8'	4'
HT	8'	8'	8'	8'	5'-6"	8'	8'	6'	8'	6'	8'
THK	0'-1 3/4"	0'-1 3/4"	0'-1 3/4"	0'-1 3/4"	0'-1 3/4"	0'-1 3/4"	0'-1 3/4"	0'-1 1/2"	0'-1 3/4"	0'-1 1/2"	0'-1 3/4"
MATL		HM	---	HM		---	---	---	---	---	---
GLZ	lam.safe			lam.safe							
FRAME											
W	2.00"	2.00"	0'-3"	2.00"	0'-5"	0'-3"	0'-3"	0'-2"	0'-1 1/4"	0'-2"	0'-1 1/4"
THK	0'-8"	0'-8"	3.94"	0'-8"	0'-4"	3.94"	3.94"	0'-4"	0'-4"	0'-4"	0'-4"
DETAILS											
finish	pl.lam,	pl.lam,	pl.lam,	pl.lam,		pl.lam,	pl.lam,		pl.lam,		pl.lam,
JAMB											
SILL		ADA thr...		ADA thr...							
HDW SET	lockset	panic b...	lockset	panic b...		lockset	lockset	lockset	lockset	lockset	lockset
NOTES	service ...	all exit ...	doors w...	all exit ...	fibregla...	doors w...	doors w...	cedar sl...	doors w...	cedar sl...	doors w...



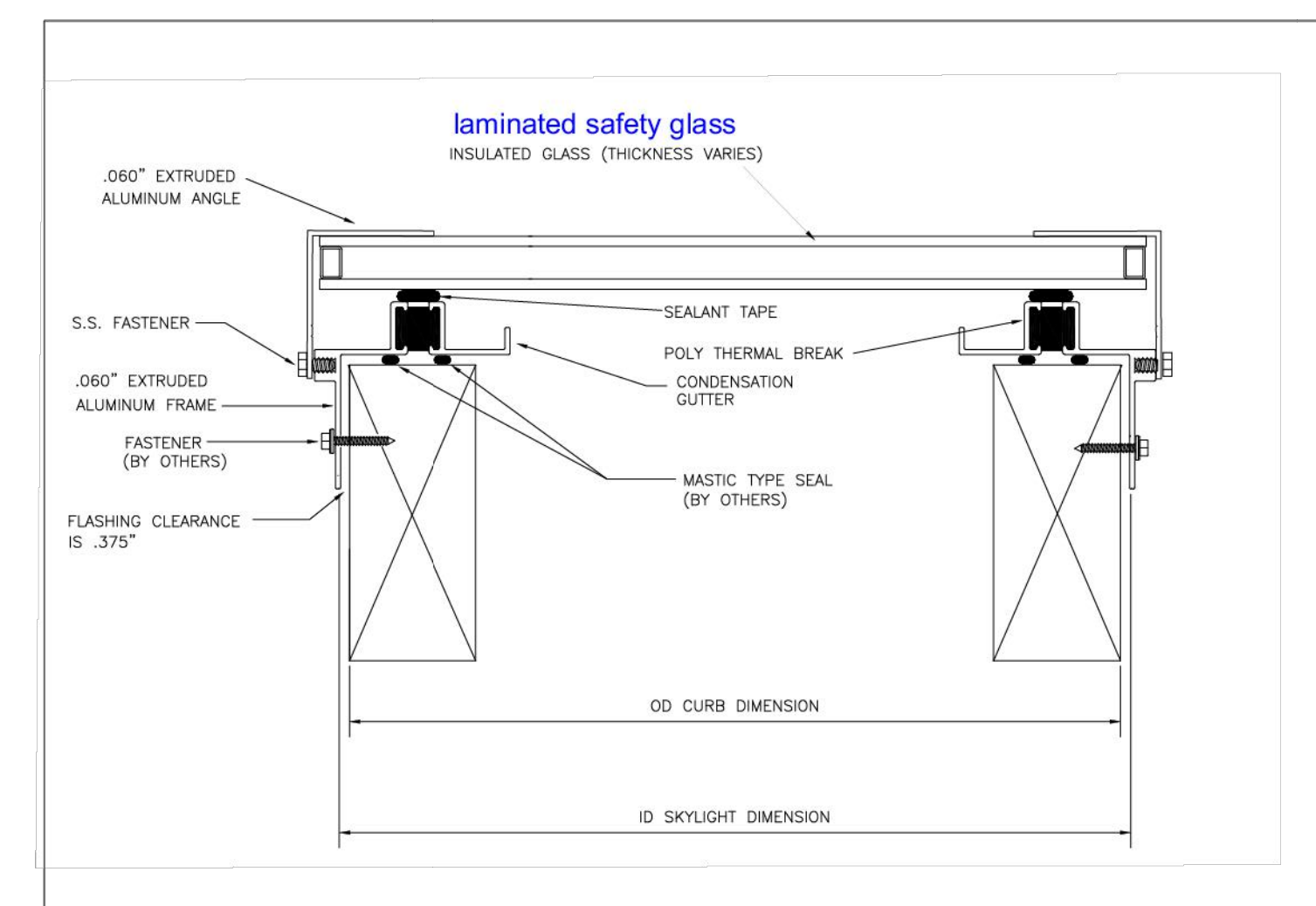
4 Detail - Aluminum Window Frames NTS
A-10 ten units required per bldg.- laminated safety glass glazing



1 Detail - Outdoor Shower Door
A-10 NTS



2 Detail - HM Door Frames
A-10 NTS



3 Section- Typical Aluminum Skylights
A-10 eight units required per bldg see roofing details on dwg. Ab-5a

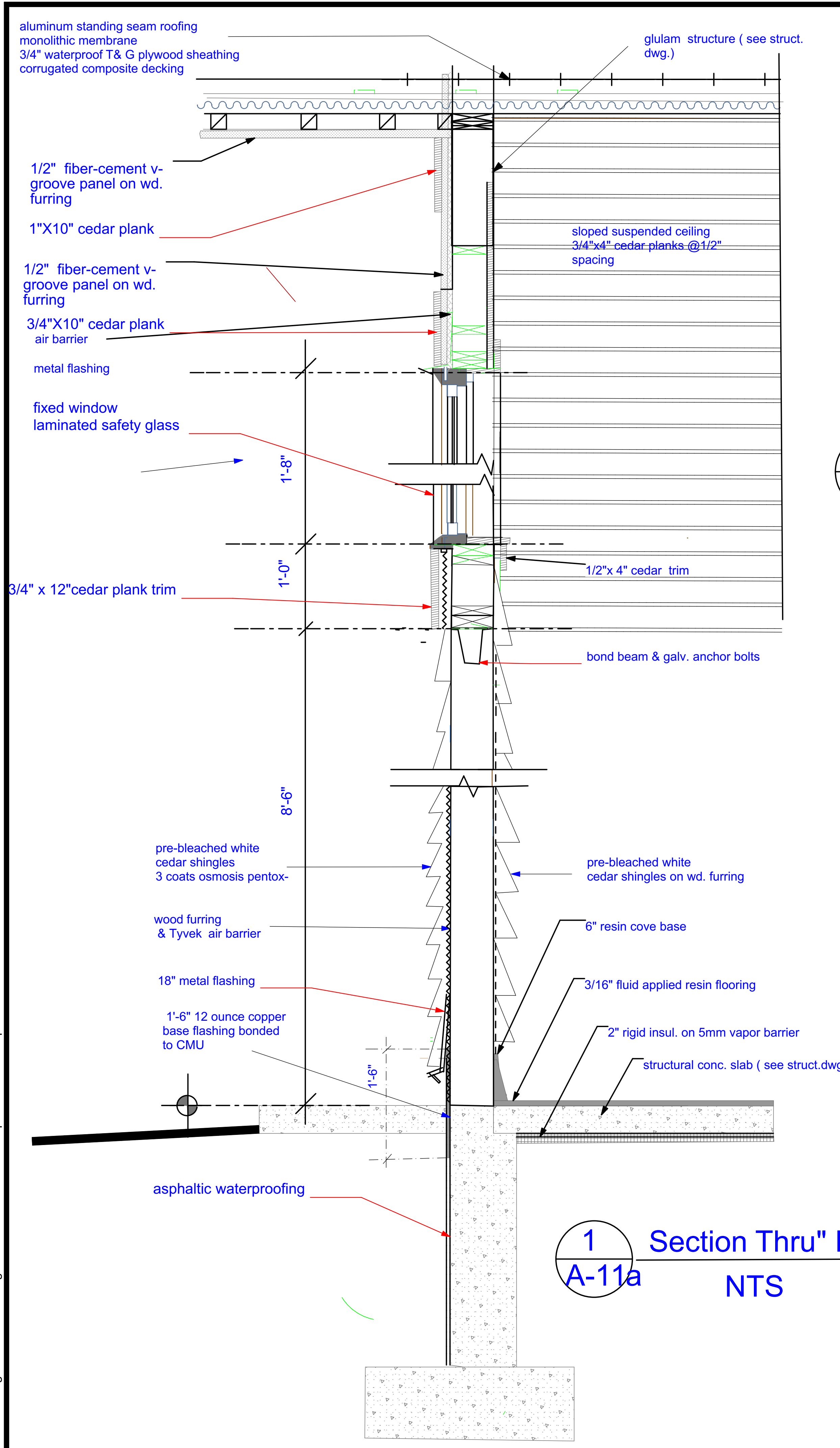
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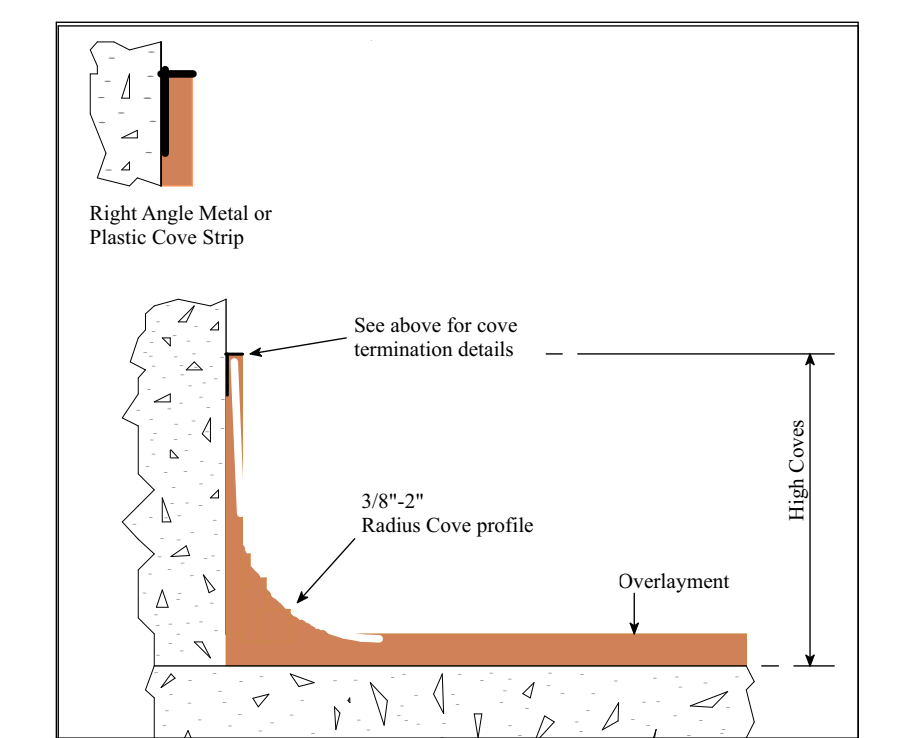
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Doors & Frames

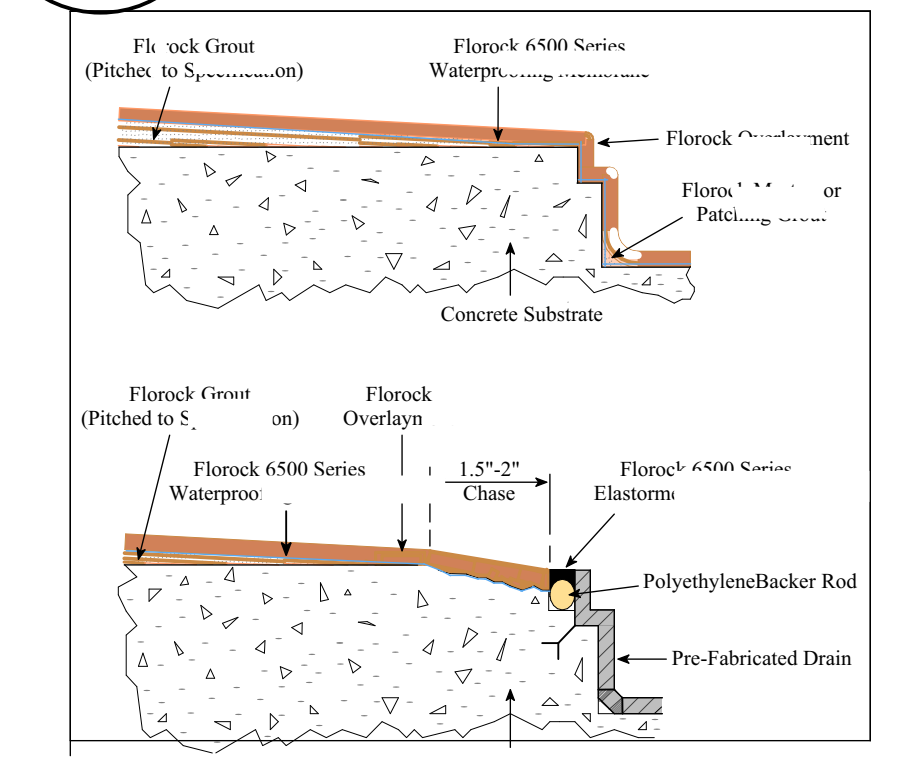
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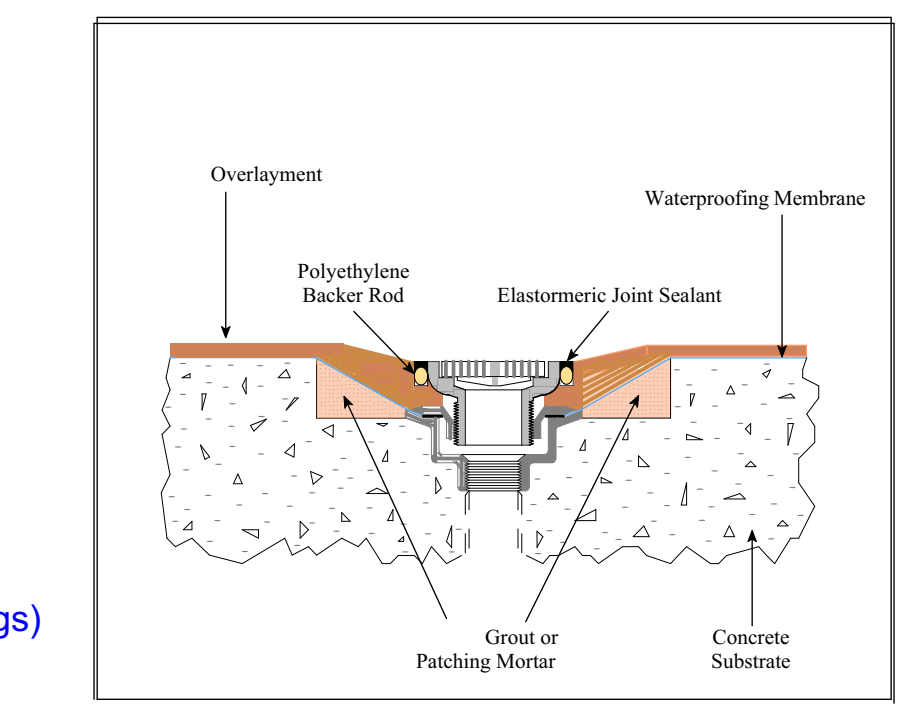
1 Section Thru Front Wall
A-11a NTS



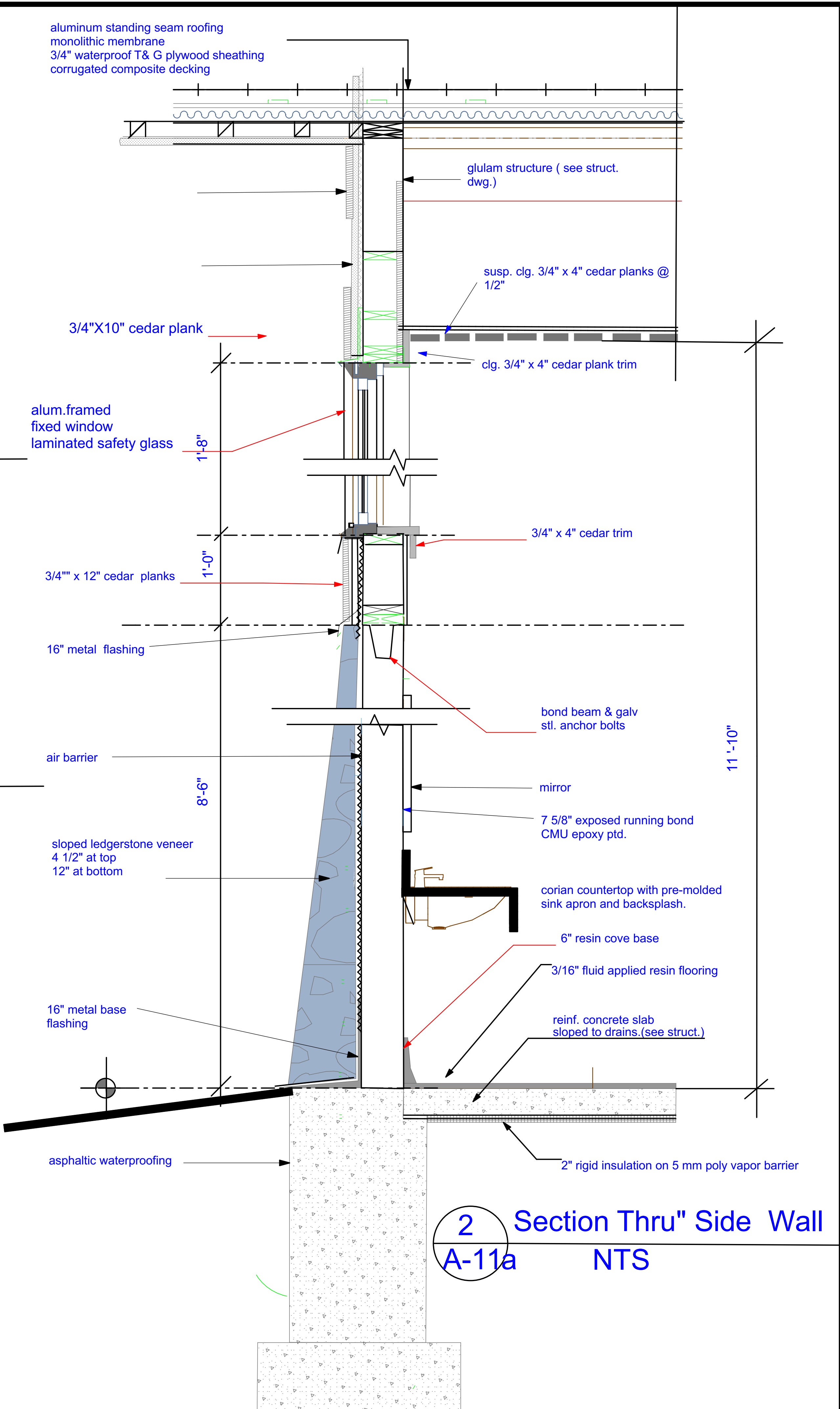
3 Typical Cove Base
A-11



4 Flooring at Drain Detail -NTS
A-11



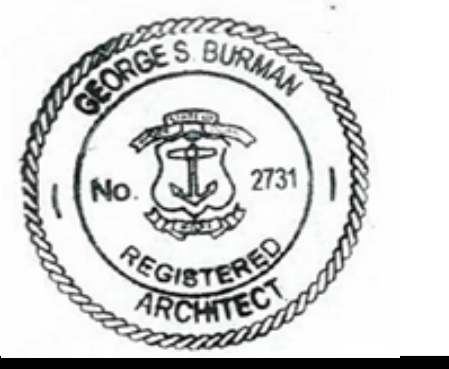
5 Flooring at Drain Detail -NTS
A-11



2 Section Thru Side Wall
A-11a NTS

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Bath-Houses "A", "B" & Mills Camp

Burlingame State Park Bathouses

RI- Department of Environmental Management

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Providence, RI.
02908-5850

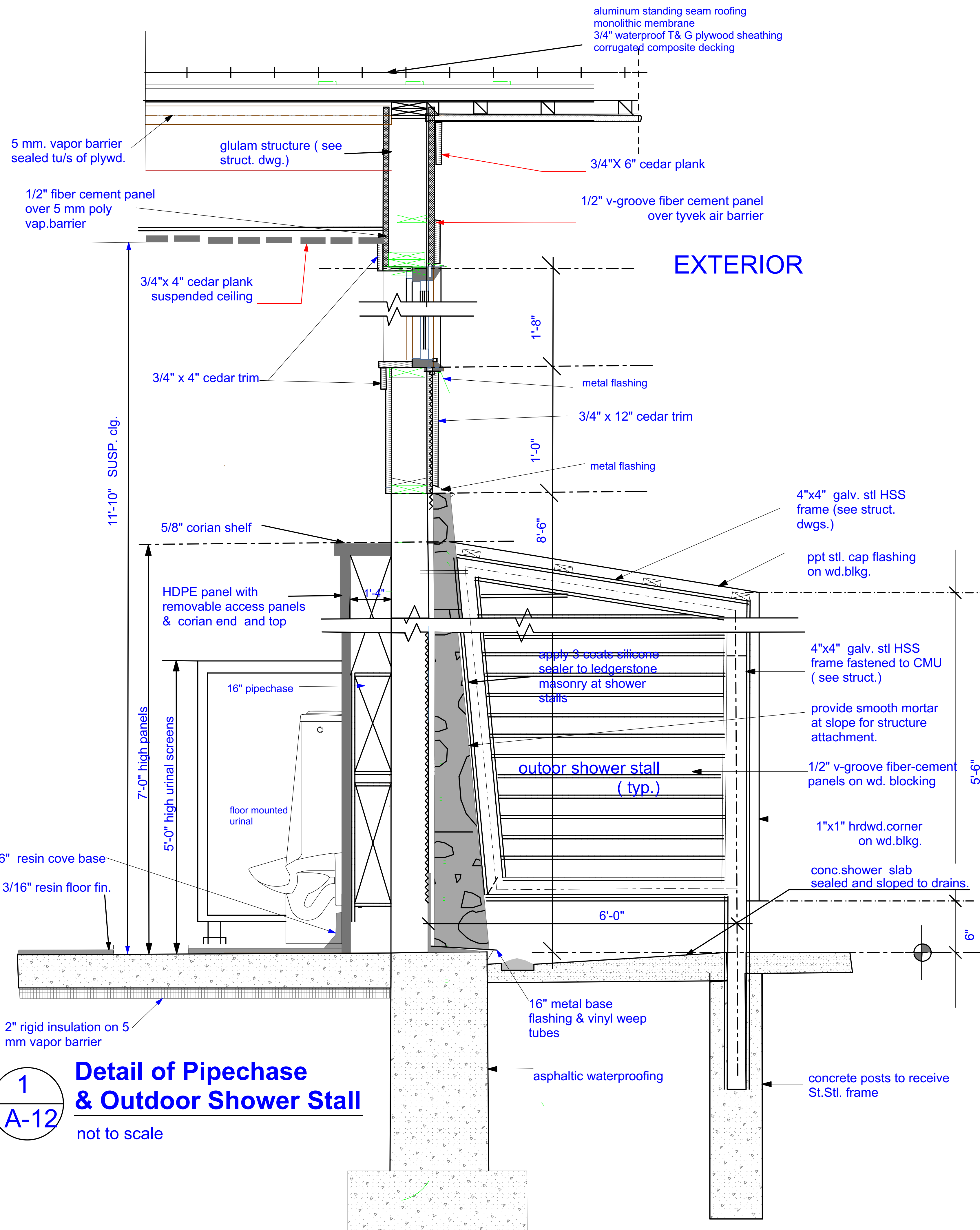
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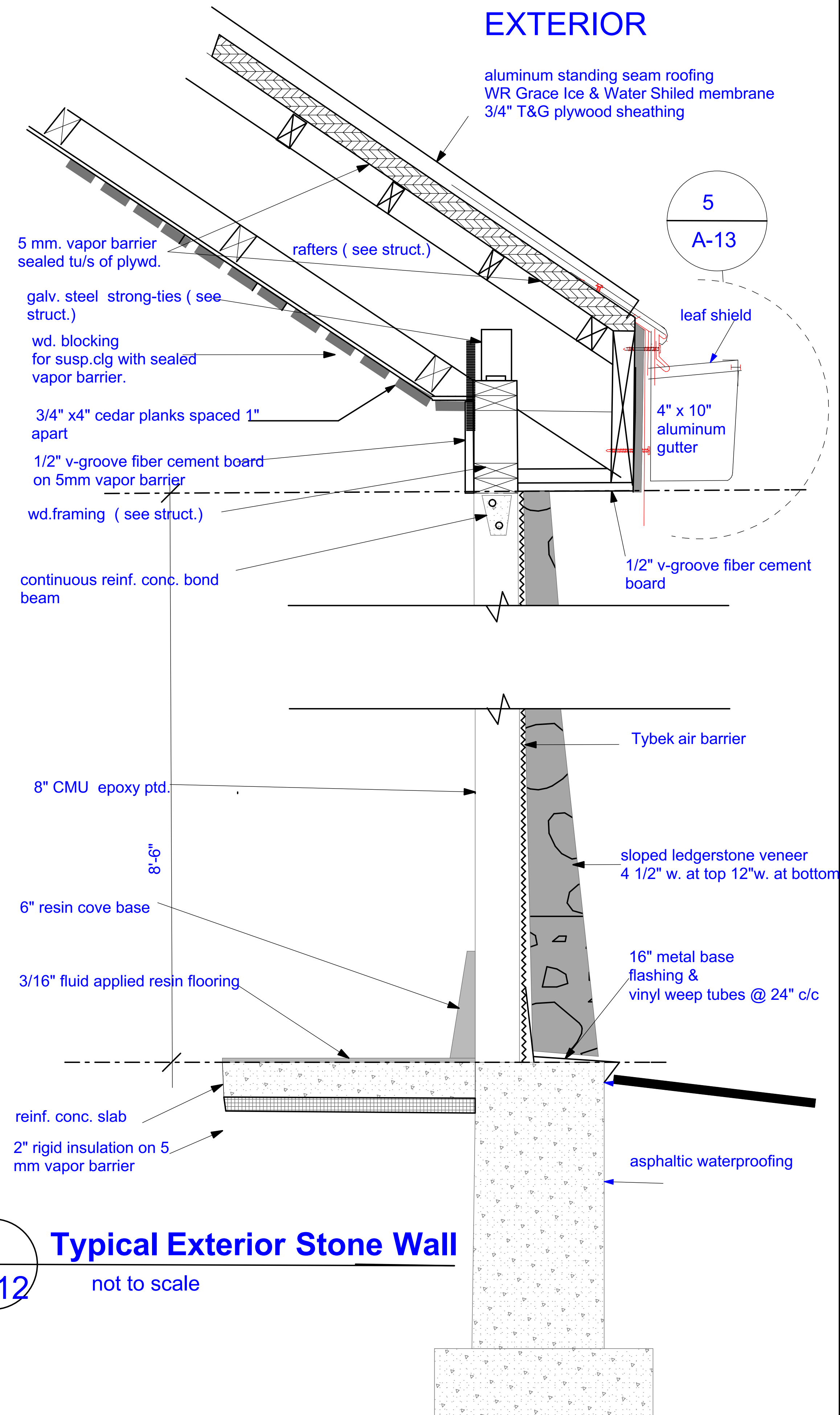
Exterior Wall Sections

A-11a
SHEET 11 OF 17

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1
A-12
Detail of Pipechase & Outdoor Shower Stall
not to scale



2
A-12
Typical Exterior Stone Wall
not to scale

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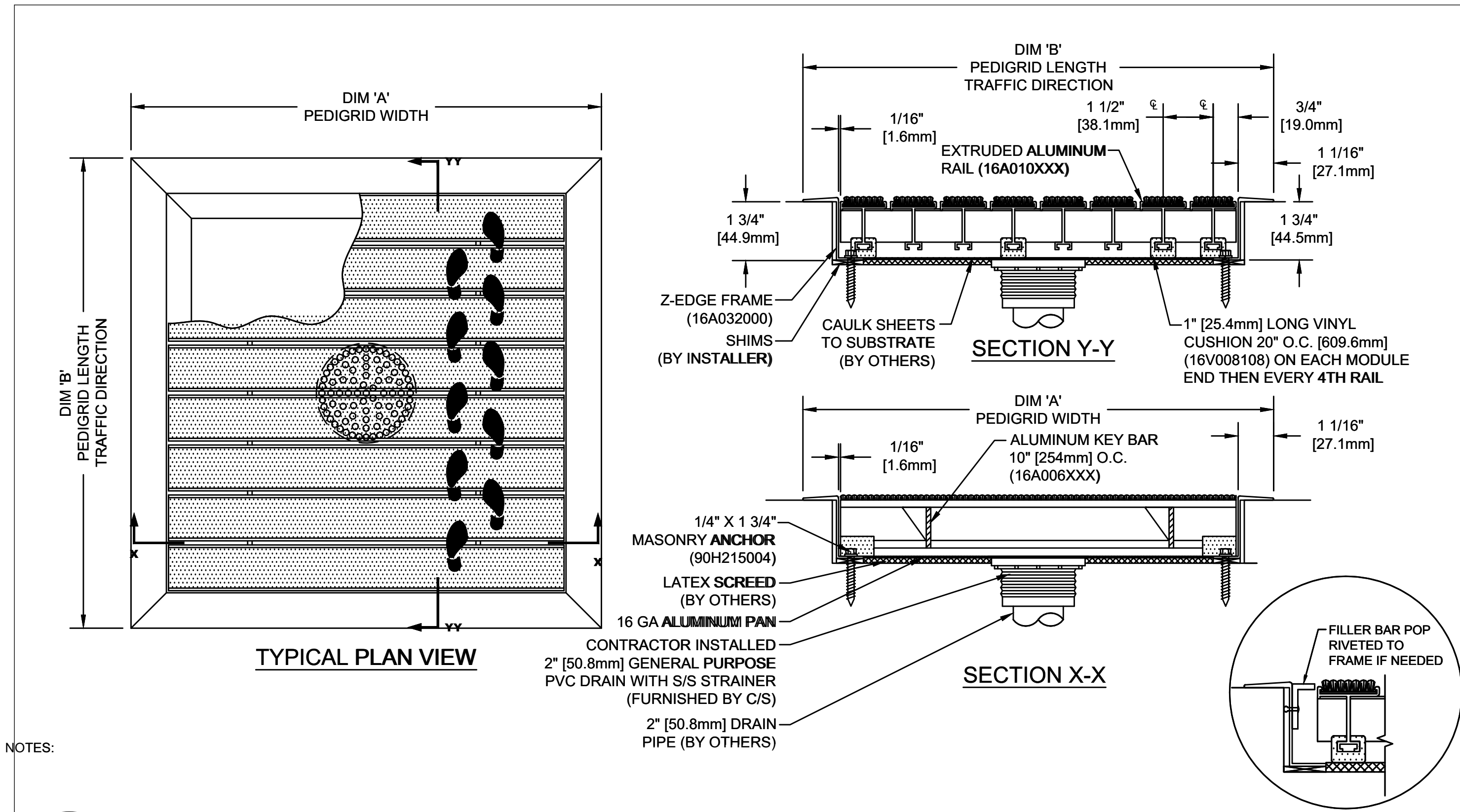
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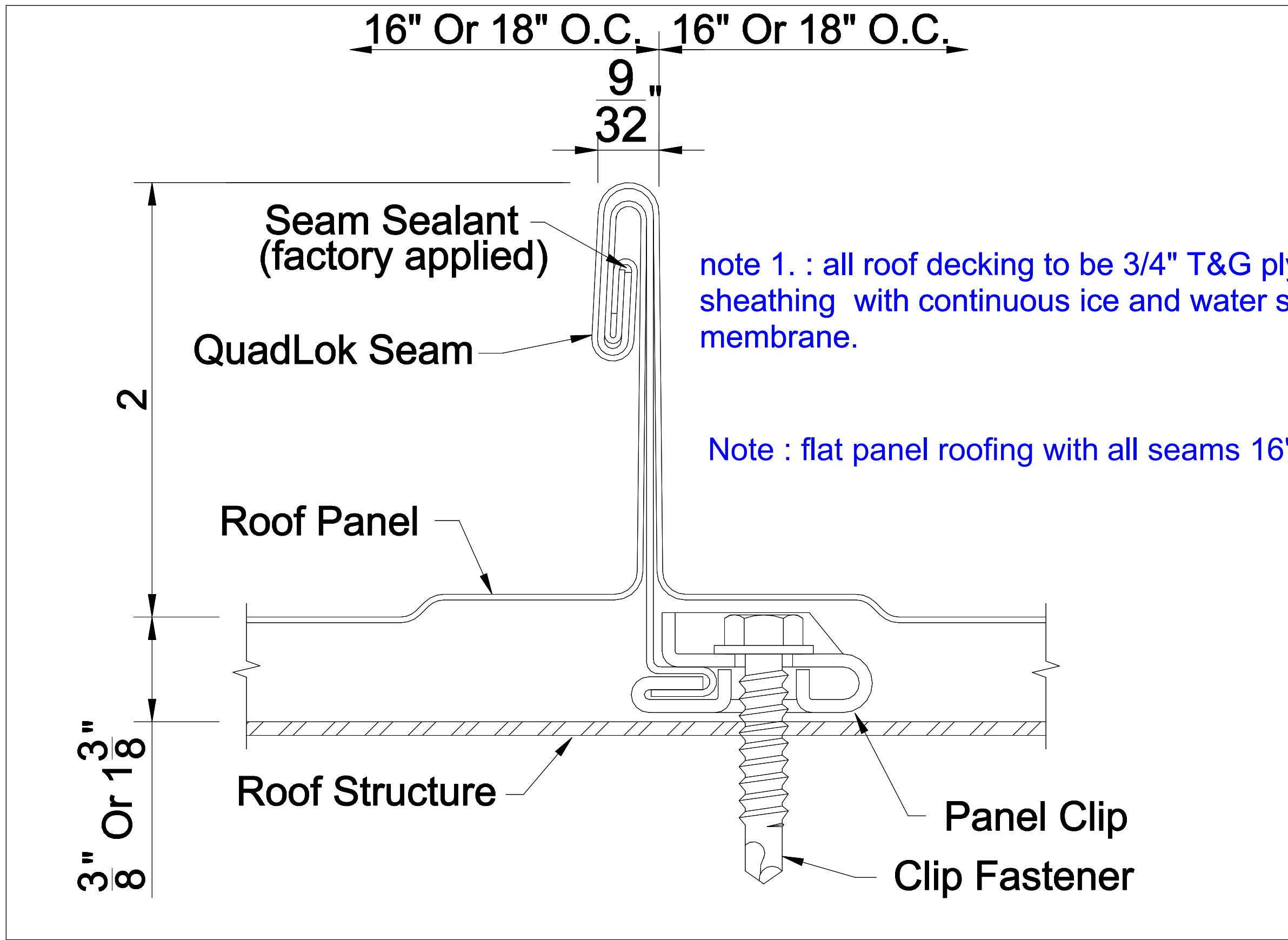
WALL Sections

A-12a
SHEET 12 OF 17

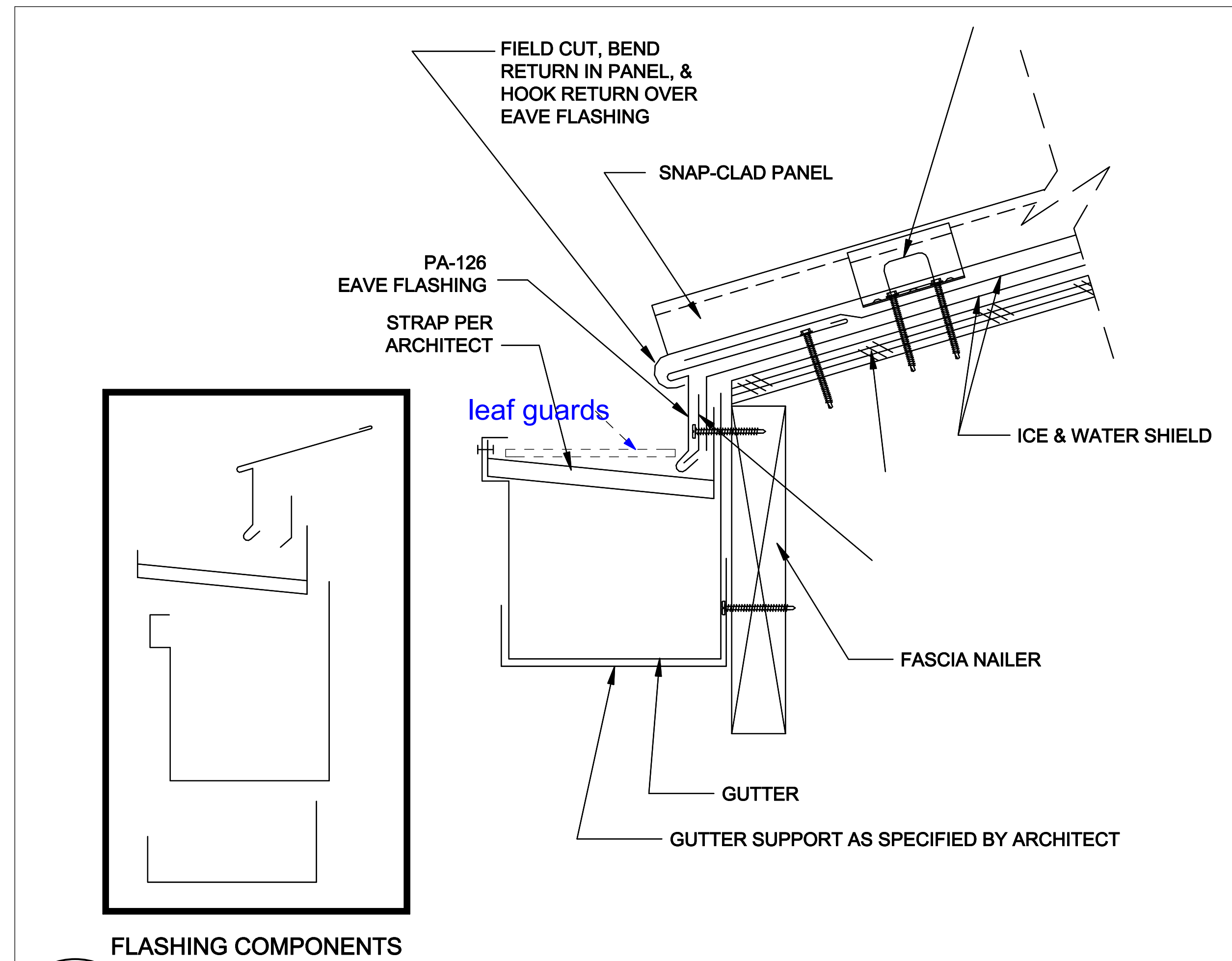


NOTES:

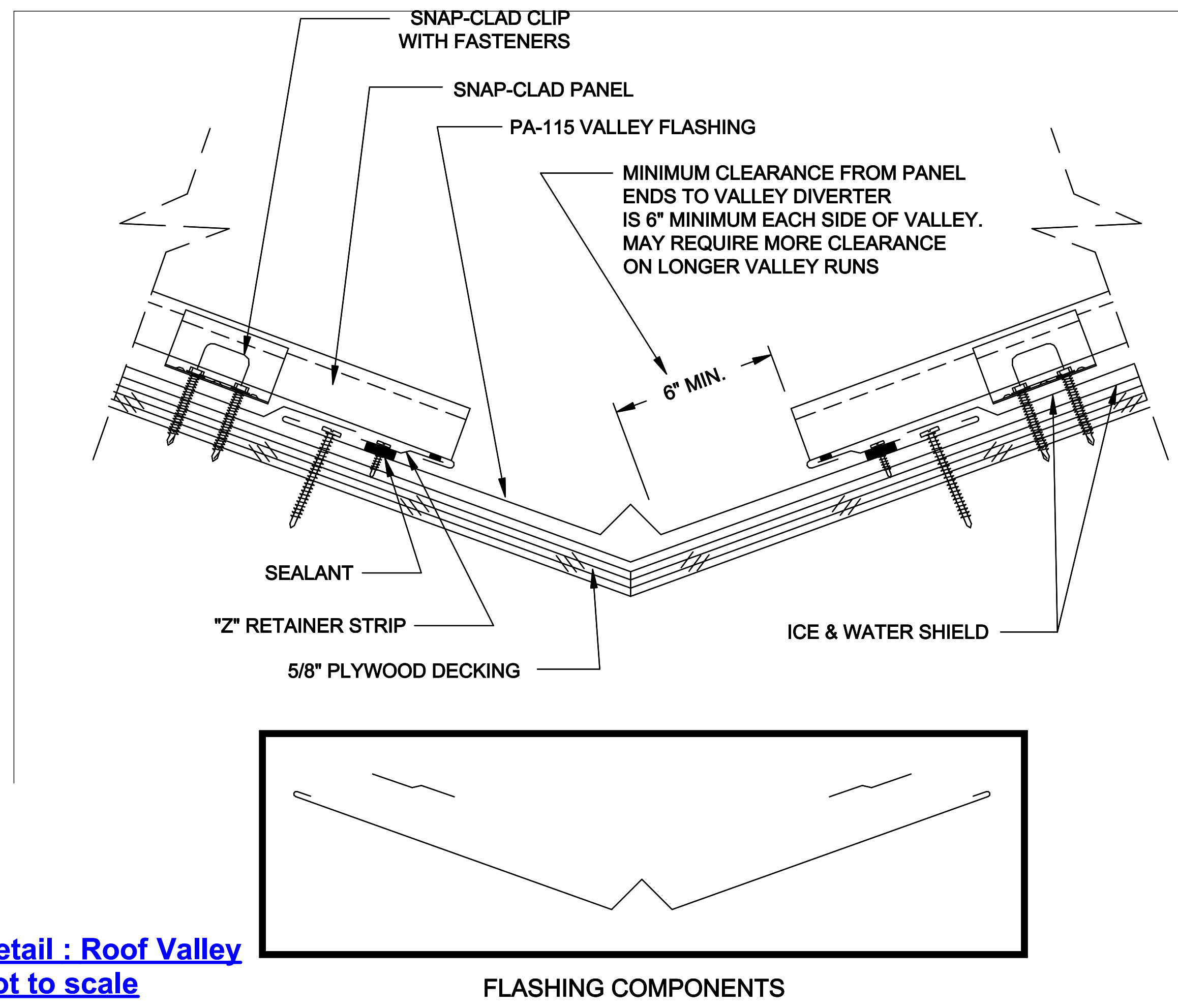
1
A-13a **Detail: Recessed Entrance Floor Grills : not to scale**
note : see Floor Plan A-2 & Ab-2a for sizes and locations



2
A-13a **Detail : Standing Seam Roof**
not to scale



3
A-13a **Detail : Roof Gutters**
not to scale



4
A-13a **Detail : Roof Valley**
not to scale

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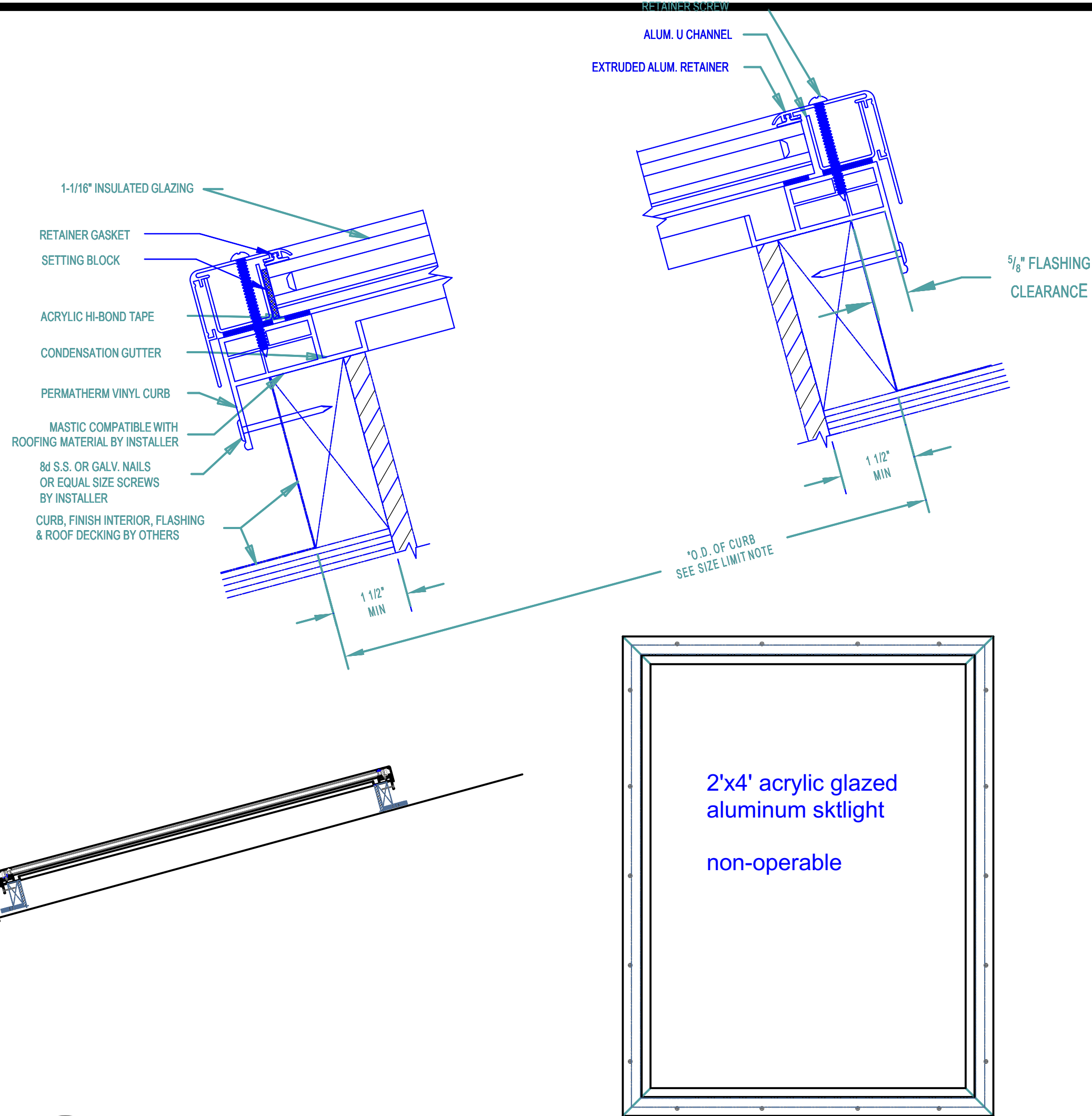
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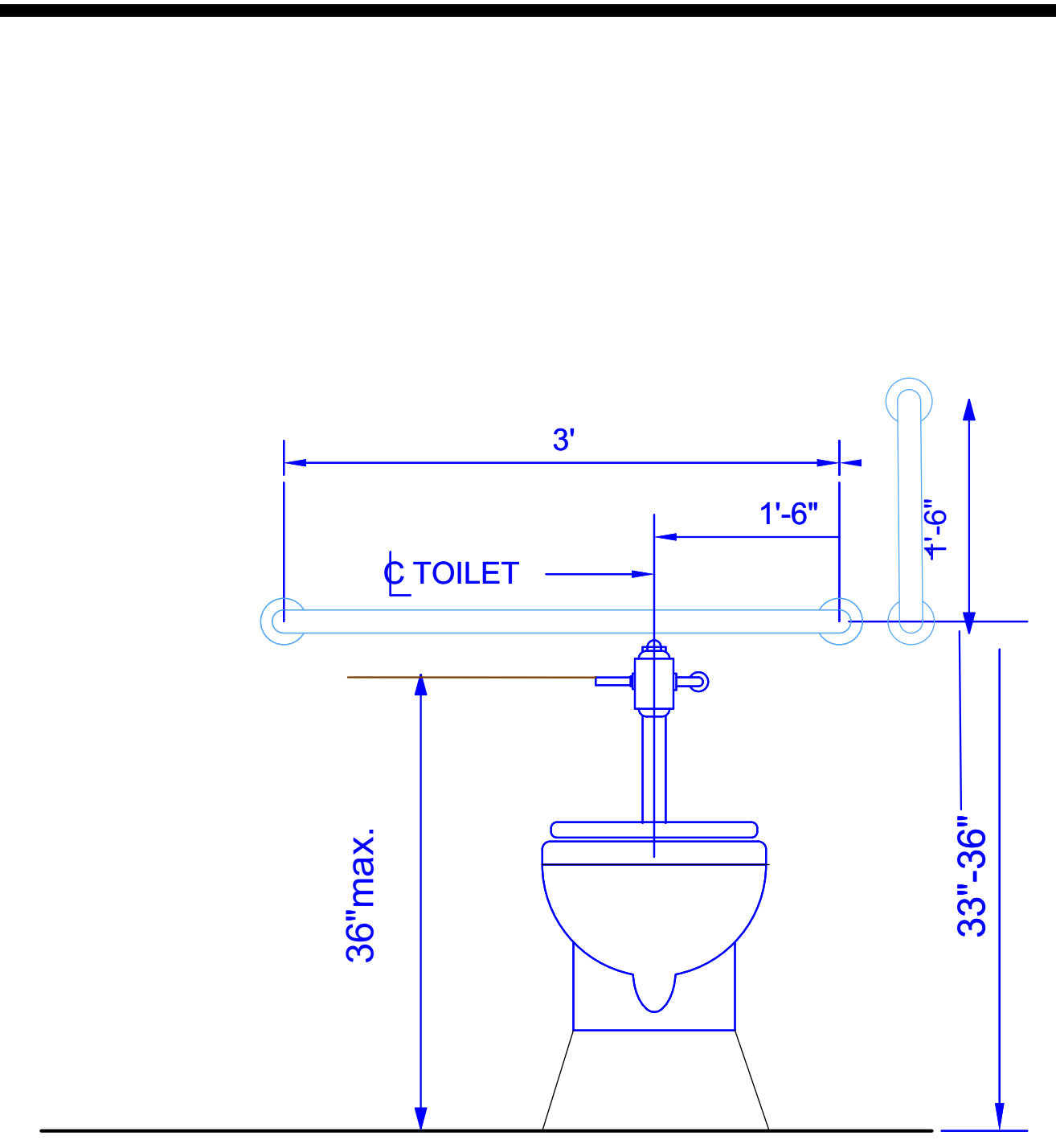
Miscellaneous DETAILS

A-13 a

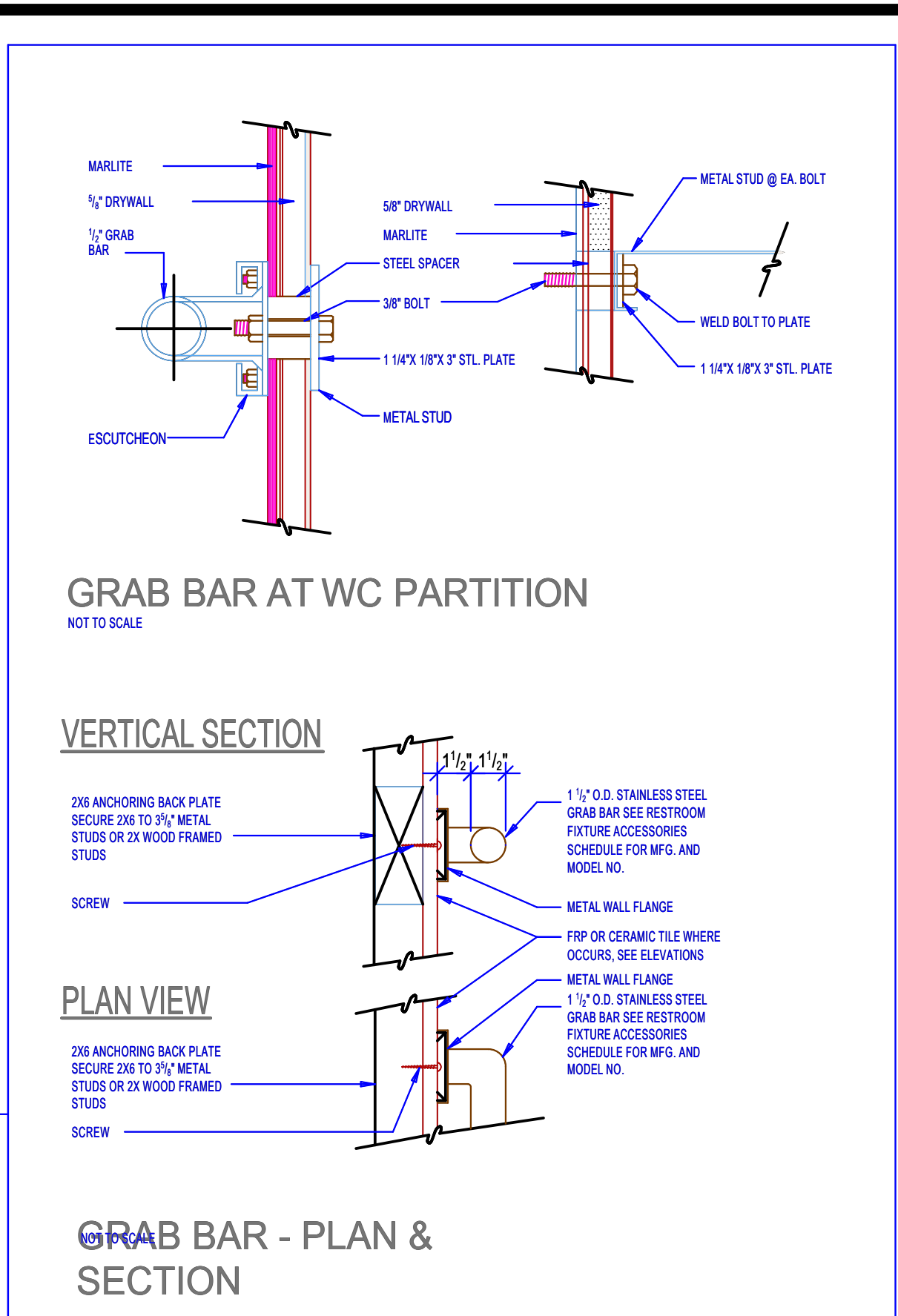
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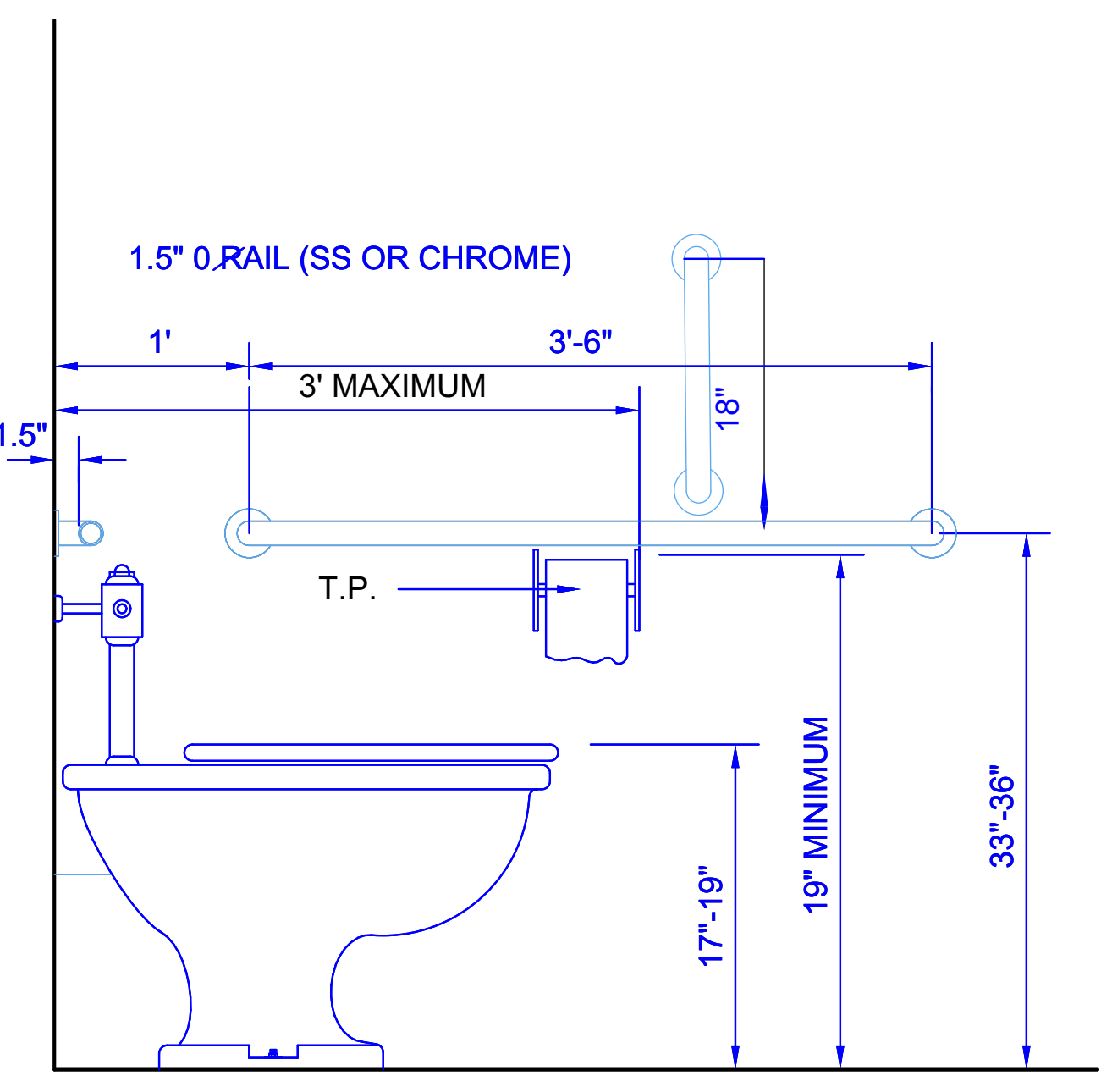
1 Detail: Roof Skylight :
A-14 not to scale (see A-3 Roof Plan)



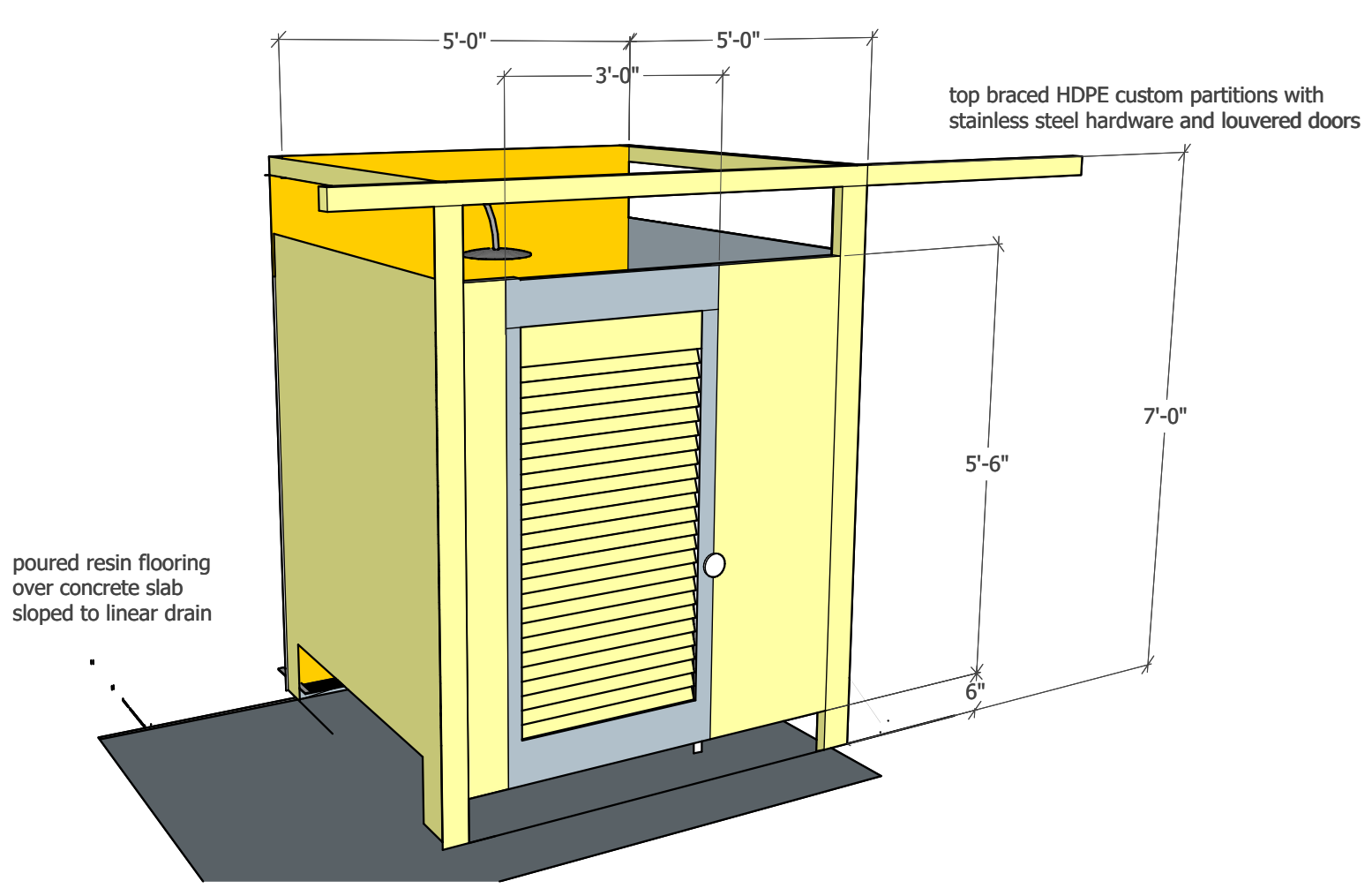
4 Detail: WC Grab-bars
A-14 not to scale



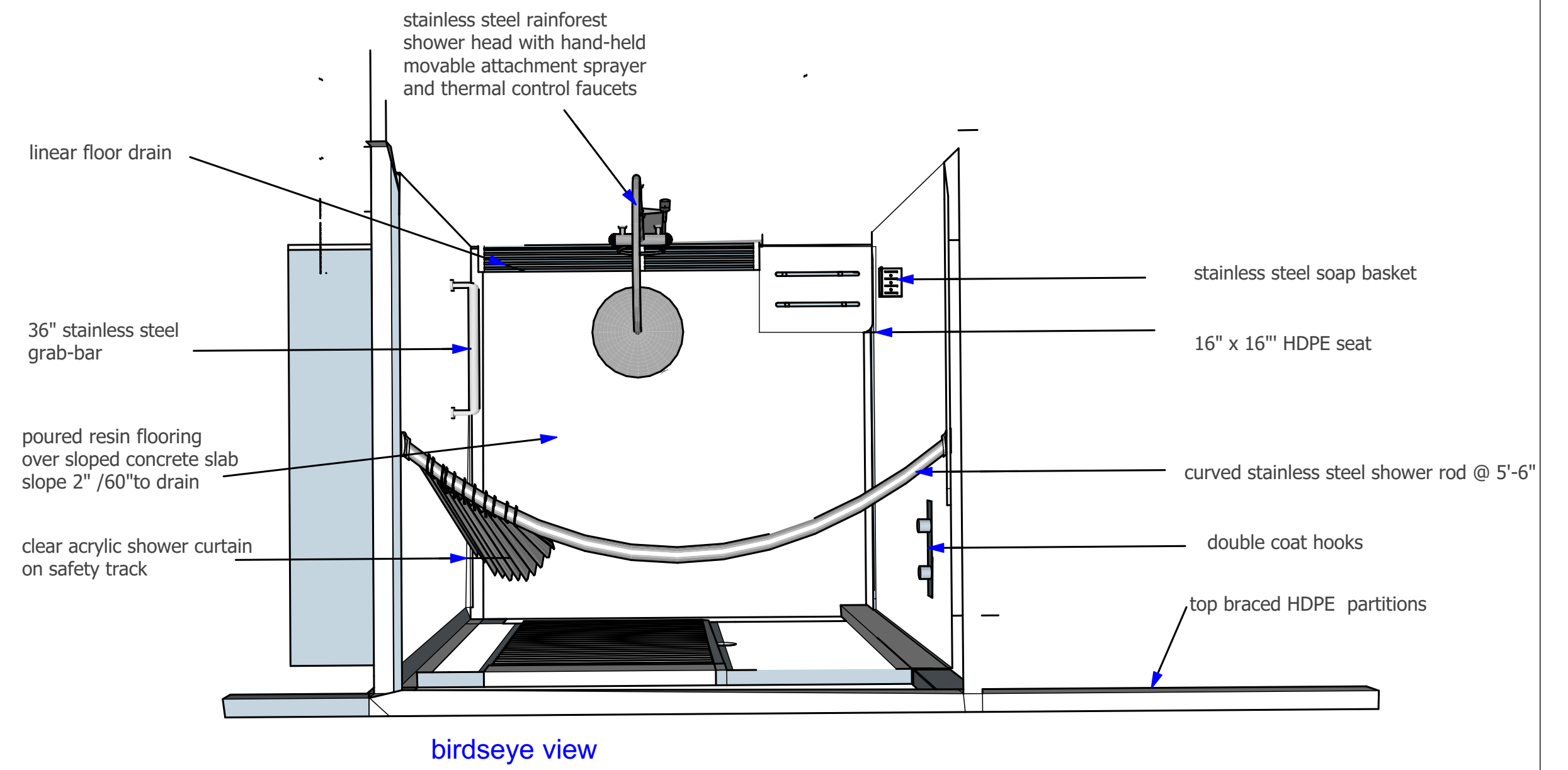
1 Detail: Bracing
A-14 for Grab-bars not to scale



2 Detail: WC Grab-bars
A-14 not to scale



3 Detail: Typical Shower Stall
A-14 not to scale



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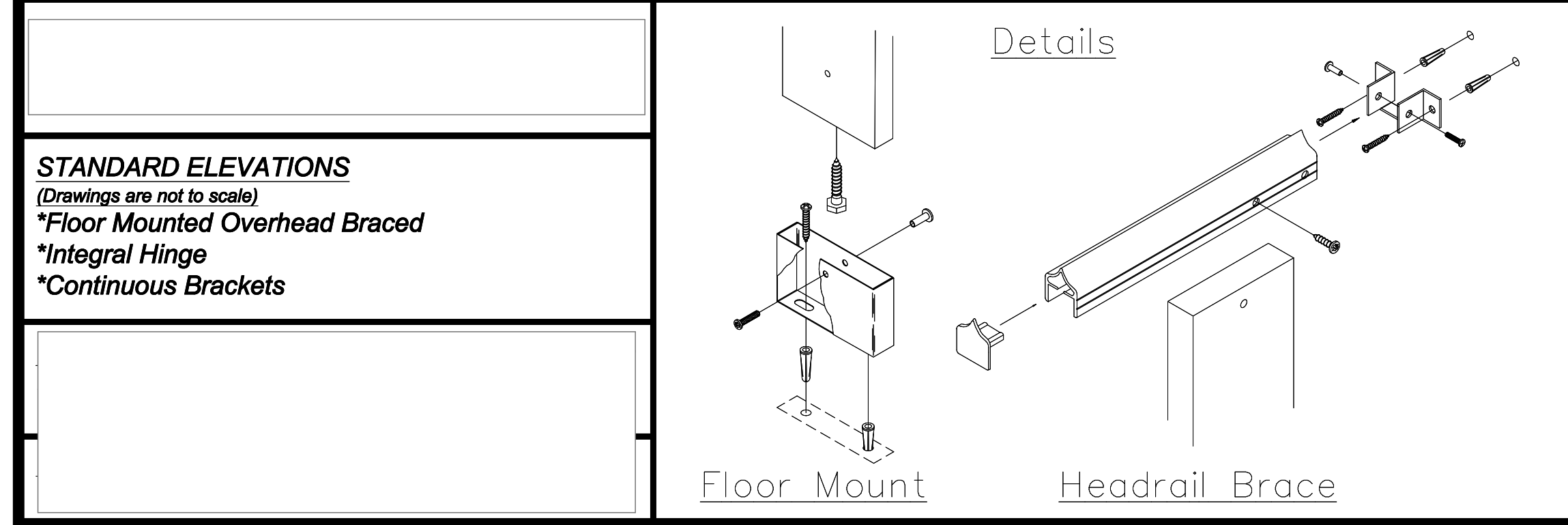
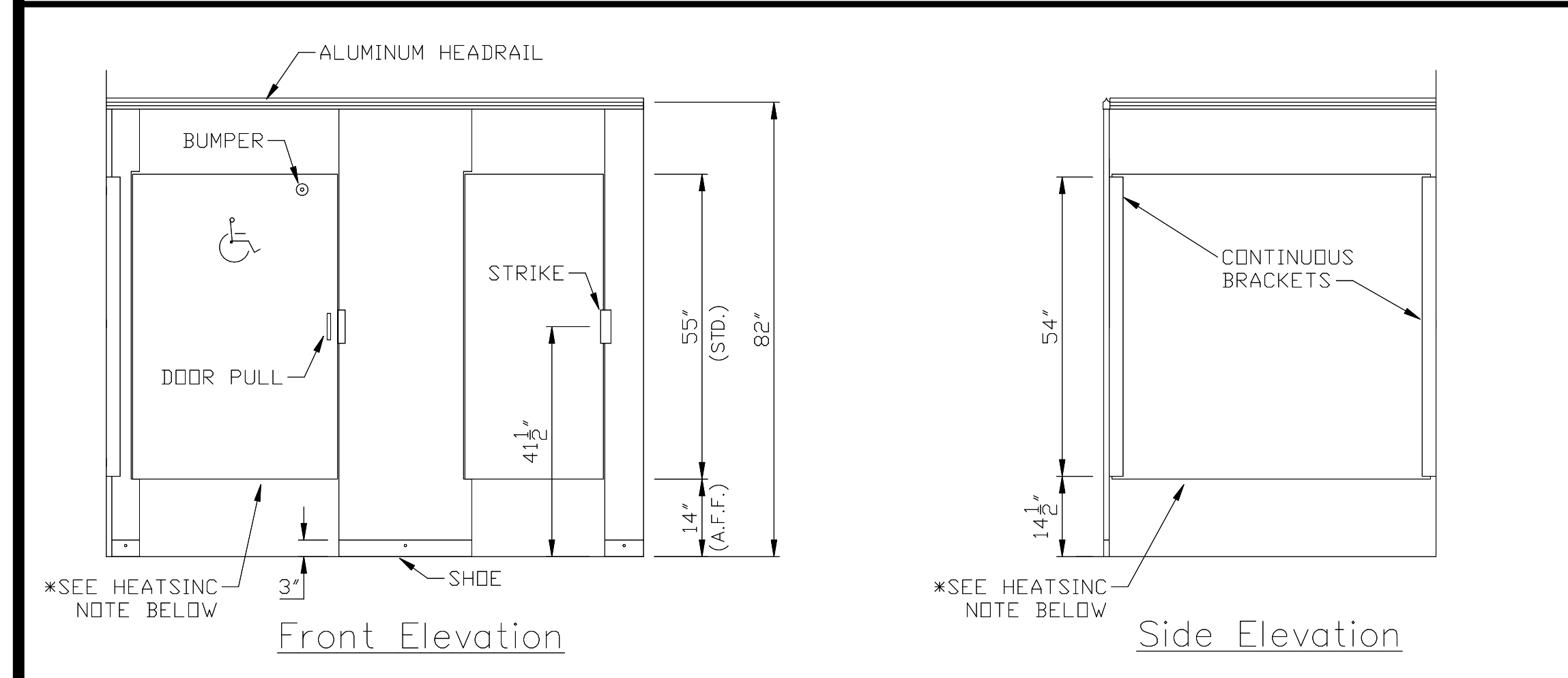
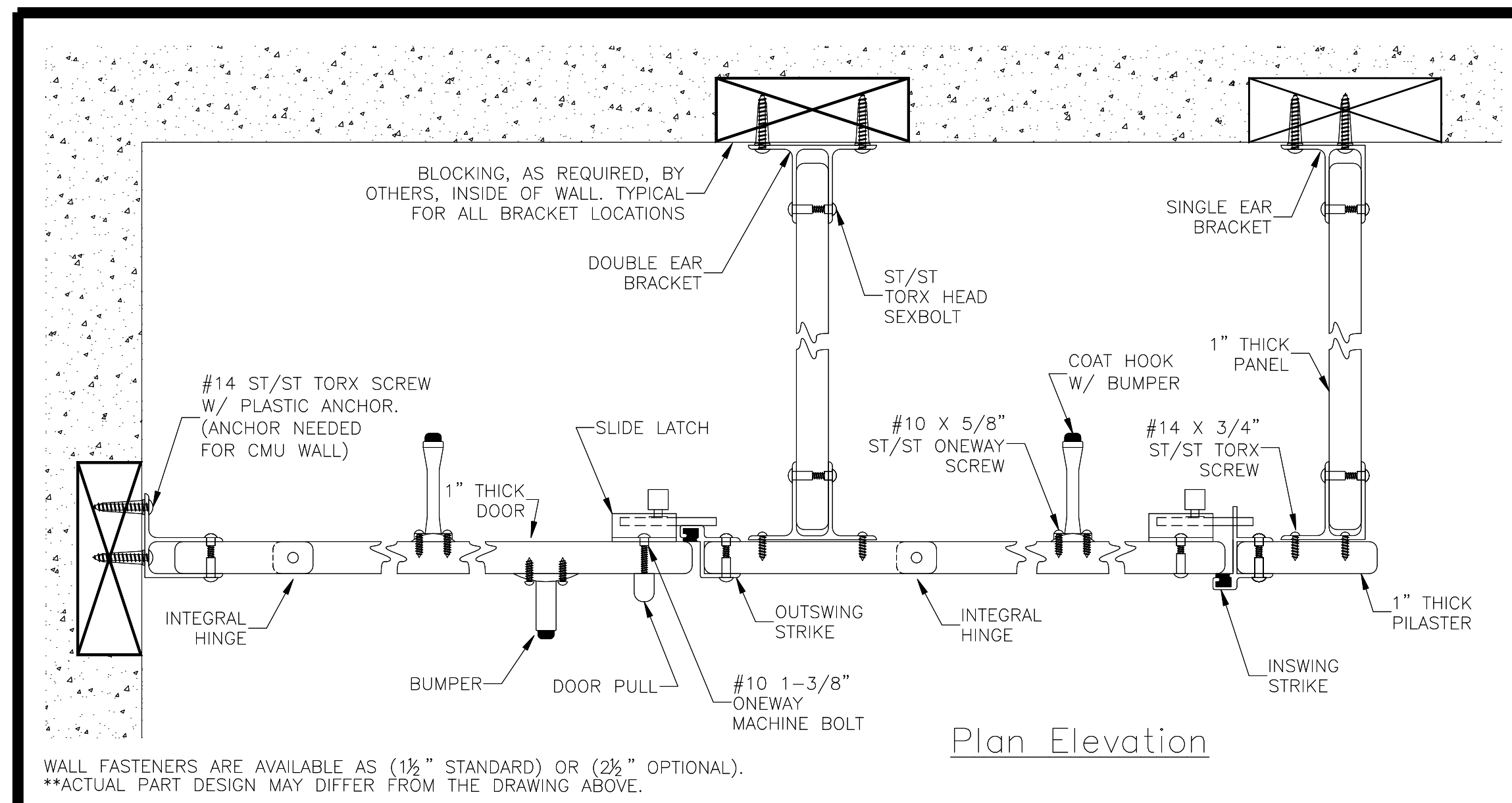
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SHEET TITLE

Miscellaneous Details

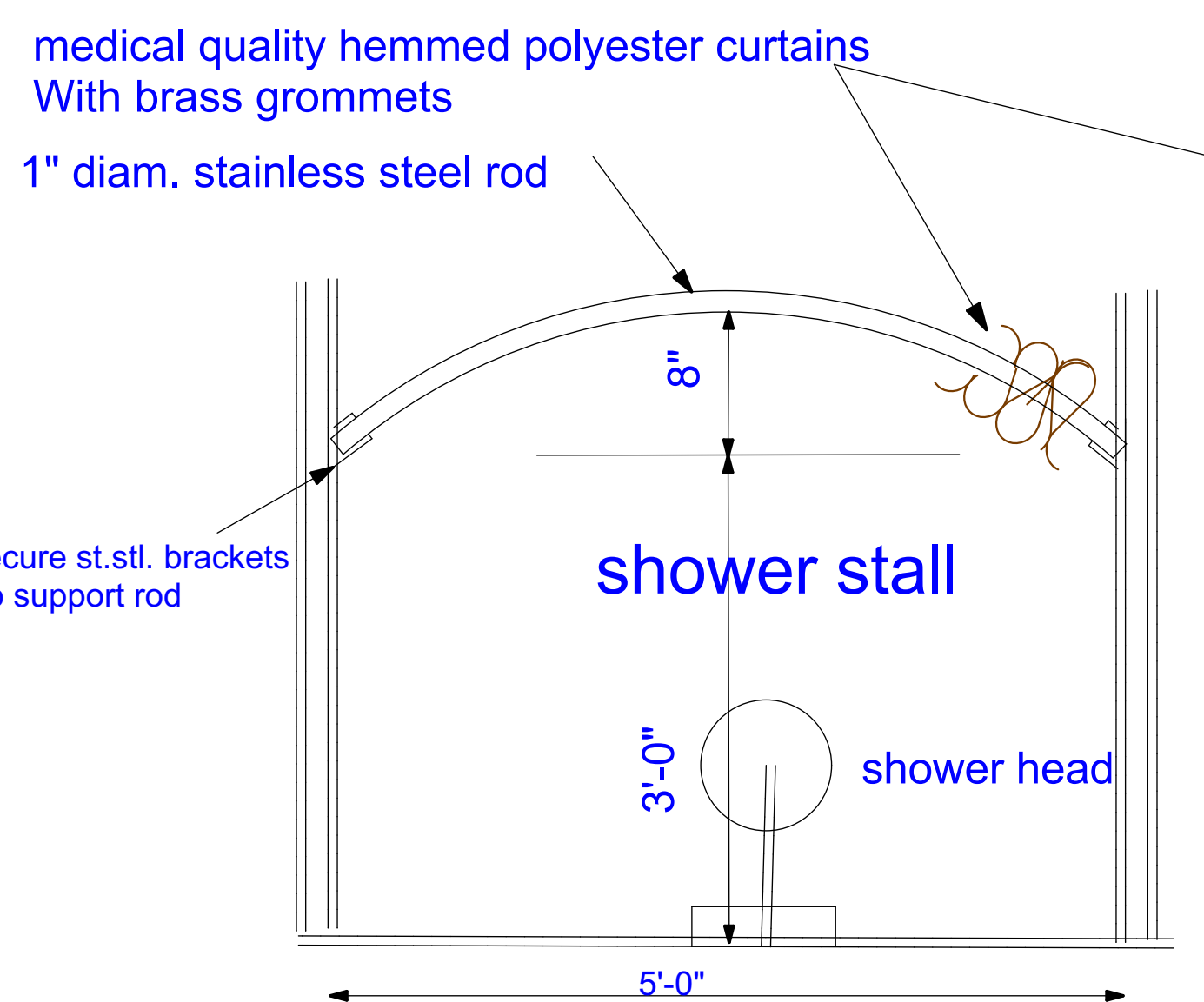
A-14 a



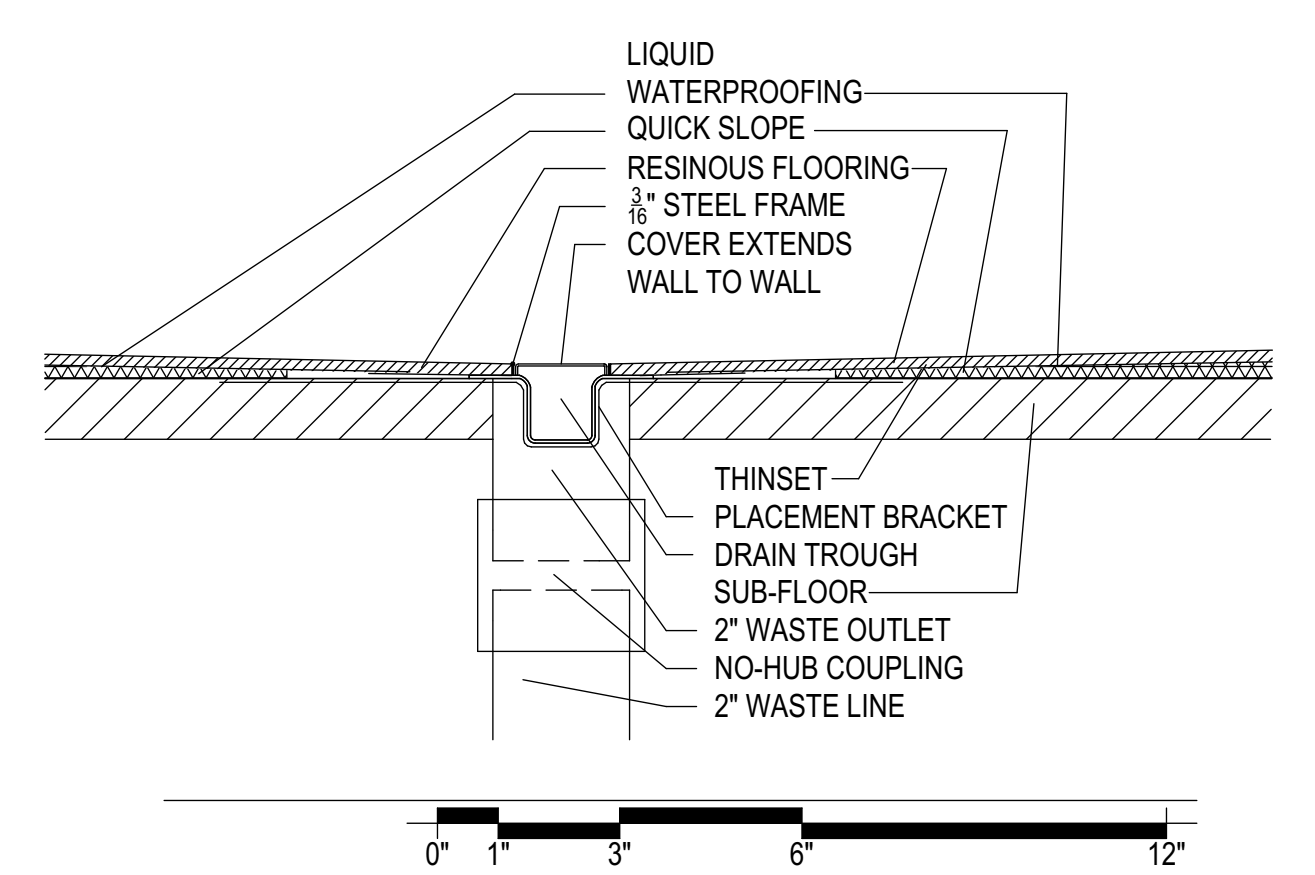
A1 10150108 HDPE wc partitions cont.hinge
SCALE: 1:0.67

1 Toilet stalls- typical framing details - NTS
A-15

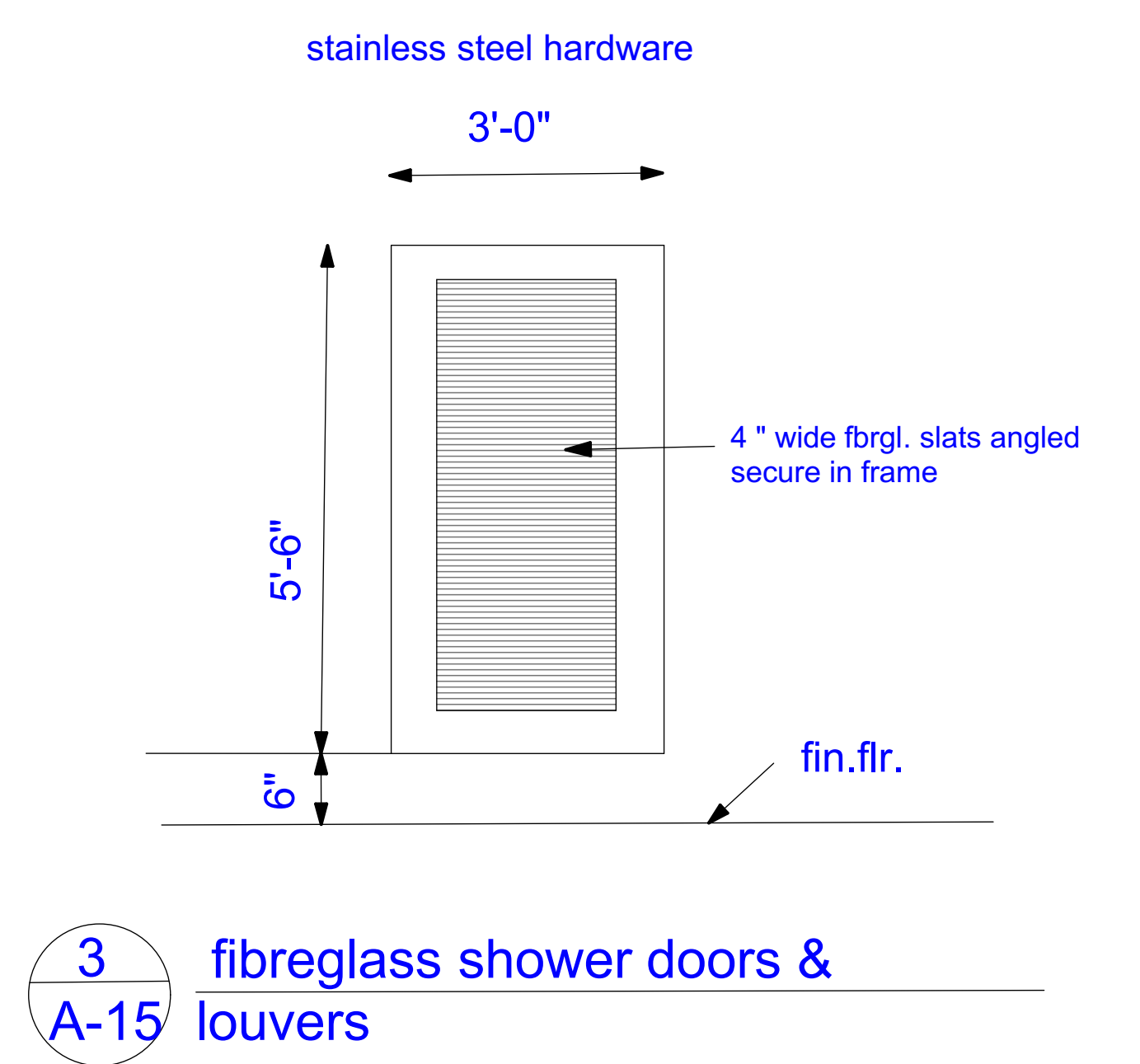
2 Urinal screens- typical framing details - NTS
A-15



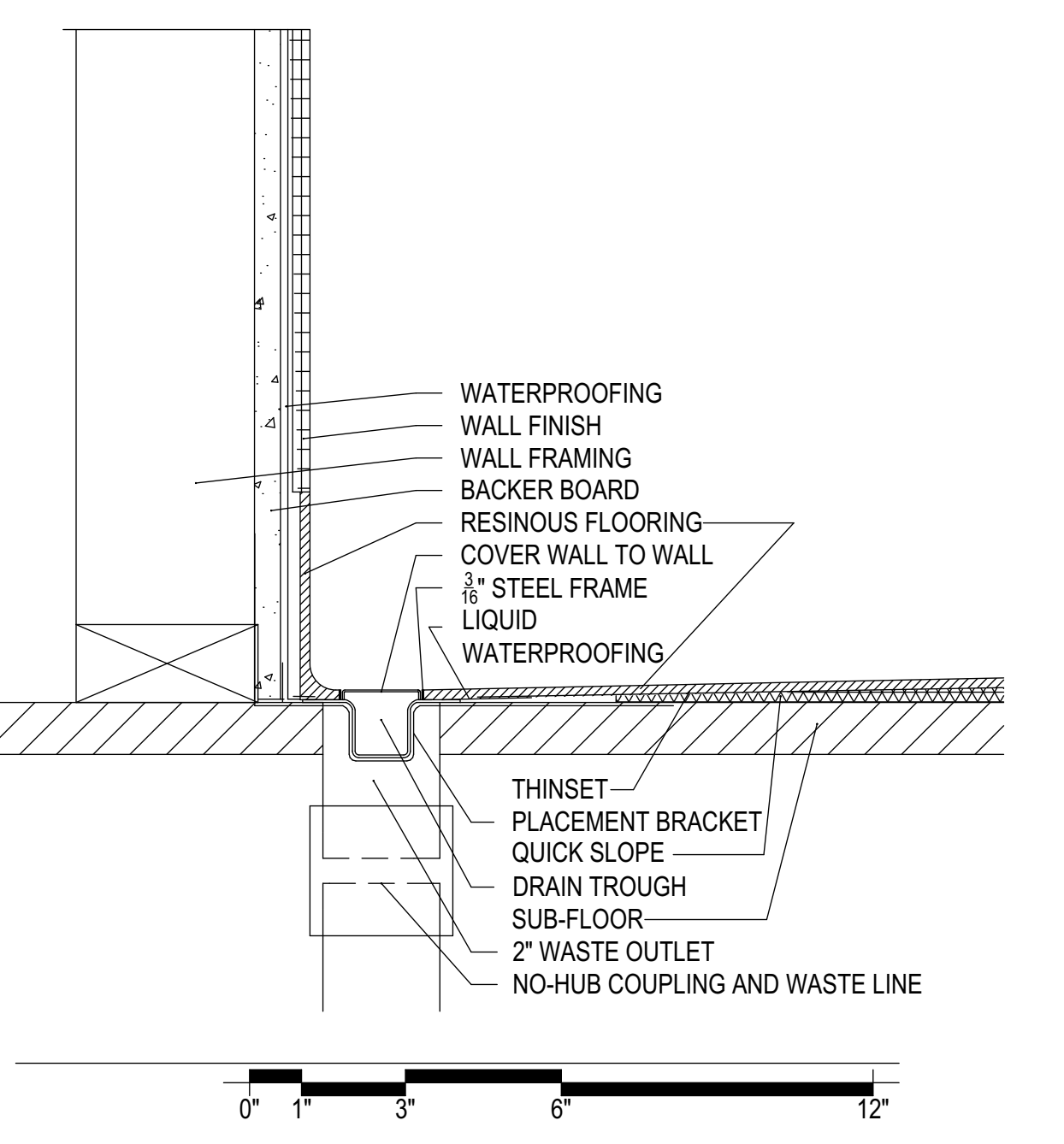
4 Curved aluminum shower rods & hookless nylon curtains - NTS
A-15



5 Floor Drains - typical Resin Flooring Details - NTS
A-15



3 fiberglass shower doors & louver
A-15



6 Linear Floor Drains- shower stalls & Resin Flooring Details - NTS
A-15

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Bathrm Partitions & Details

A-15a
SHEET 15 OF 17

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Bath-Houses "A", "B" & Mills Camp

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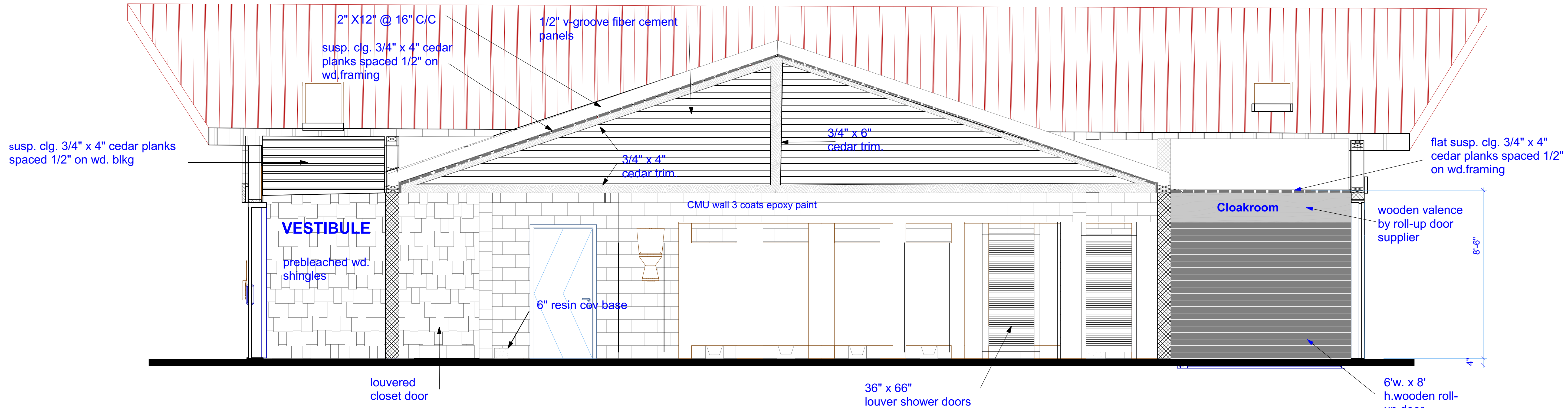
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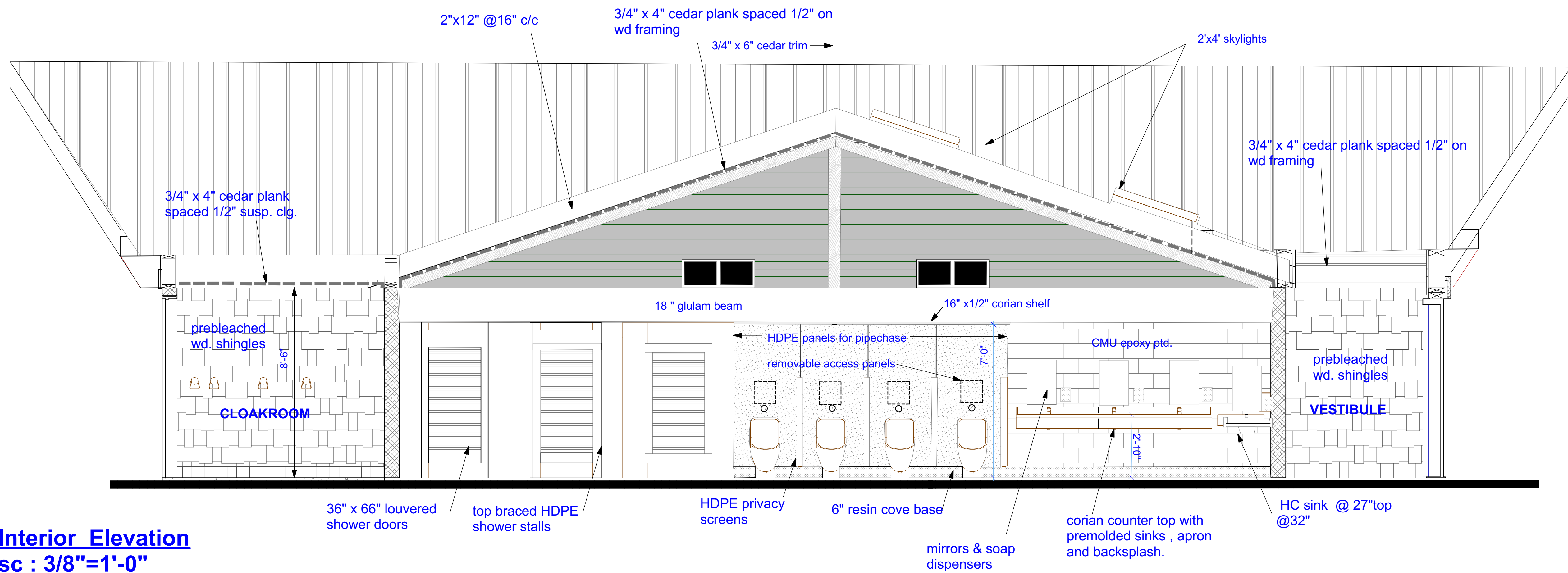
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SHEET TITLE
INTERIOR ELEVATIONS

A-16a
 SHEET 16 OF 17



2
 A-16a
Interior Elevation
 sc : 3/8"=1'-0"



1
 A-16a
Interior Elevation
 sc : 3/8"=1'-0"

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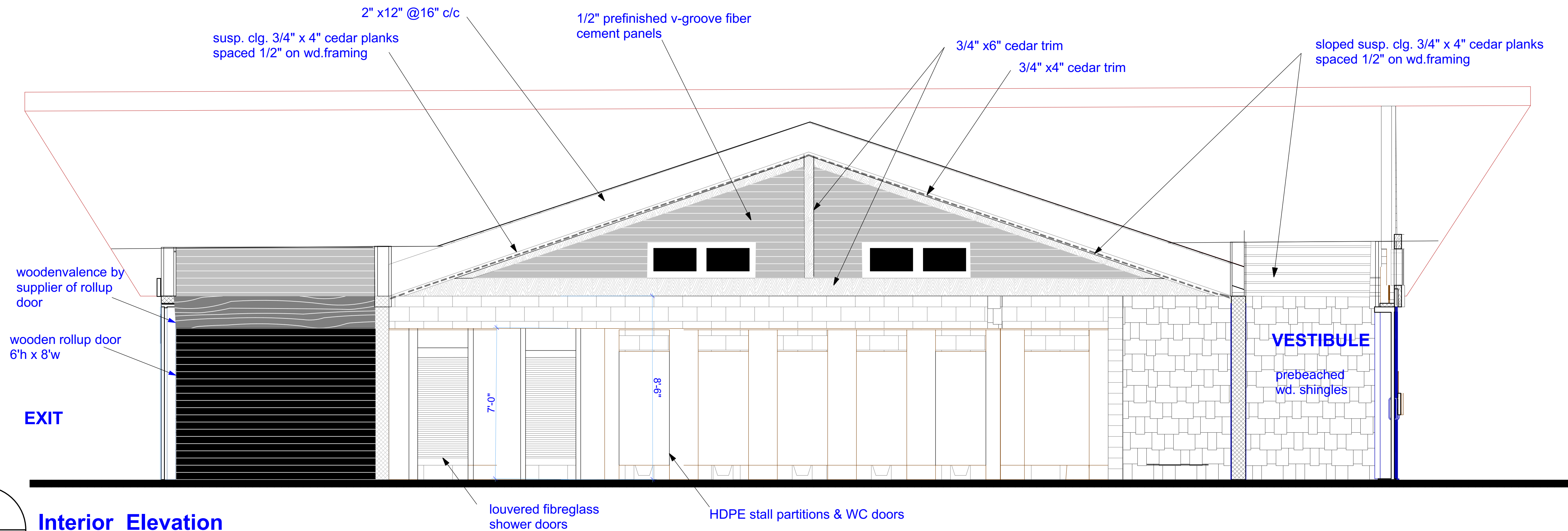
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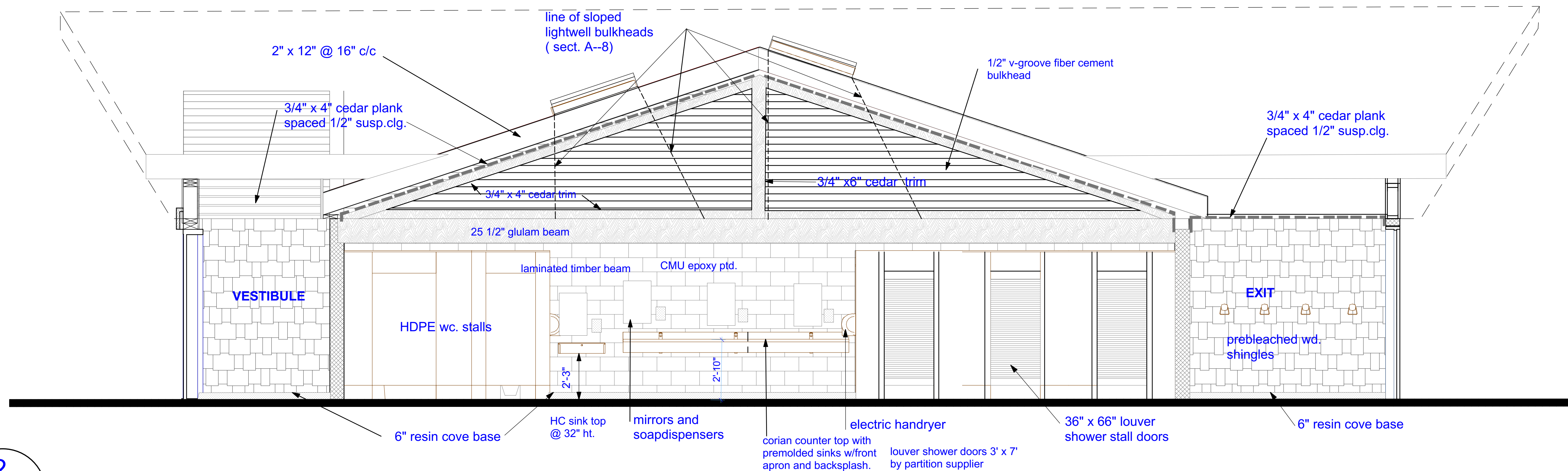
Interior Elevations

A-17a

SHEET 17 OF 17



1
A-17
Interior Elevation
 sc : 3/8"=1'-0"



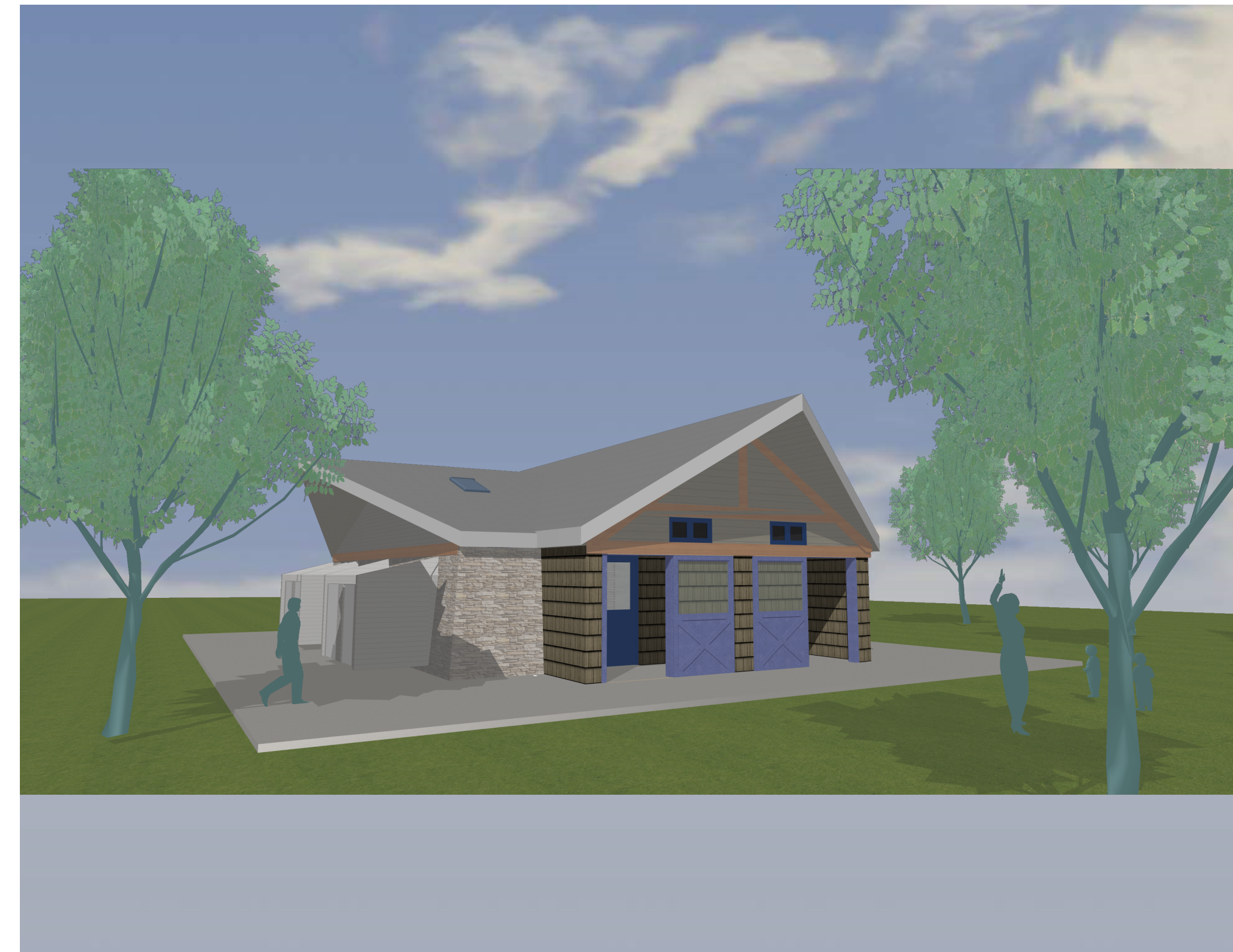
2
A-17
Interior Elevation
 sc : 3/8"=1'-0"

Burlingame State Park

Charlestown, Rhode Island
 Architecture Rebuild Plans
 Bath-Houses Main Camp, Fish Camp, Legion Town

REVIEW AND APPROVAL ISSUE

01/28/2022



Architectural SHEET INDEX		
ID	Name	Date
A-1	COVER SHEET	01/28/2022
A-2	grnd FLOOR PLAN	
A-3	Reflected Ceiling Plan	
A-4	Gable Level Plan	
A-5	ROOF PLAN	
A-6	ELEVATIONS	
A-7	ELEVATIONS	
A-8	SECTIONS	
A-9	SECTIONS	
A-10	DOORS & FRAMES	
A-11	WALL SECTIONS	
A-12	Wall Sections Details	
A-13	Miscellaneous DETAILS	
A-14	Miscellaneous details	
A-15	Bathroom Partitions	
A-16	INTERIOR ELEVATIONS	
A-17	Interior Elevations	

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**Bath-Houses
 Main Camp,
 Fish Camp
 Legion Town**

**Burlingame State Park
 Bathhouses**

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**Build, Back
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Ab-1
 SHEET 1 OF 17



**Bath-Houses
 Main Camp,
 Fish Camp &
 Legion Town**

**Burlingame
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A-6
2

Rooftop Skylights

Aluminum framed fixed rooftop skylights with clear laminated safety glass
 Eight units of 2'x4' required, exact location to suit structural framing.

Wall Types/ Legend

- A** 8" concrete block wall reinforced as specified, epoxy painted both sides
- B** 8" concrete block wall reinforced as specified, with prebleached white cedar shingles both sides on wd blocking over tyvek air barrier, shingles treated with clear osmosis pentox sealer 3 coats.
- C** 8" concrete block wall reinforced as specified, with natural ledgerock limestone veneer sloped 4 1/2" at top to 12" at bottom in uncoursed pattern on exterior over tyvek air barrier, CMU epoxy painted 3 coats other side.
- D** outdoor shower stall partitions, 1/2" v-groove fiber cement panels both sides of st.stl HSS framing with
- E** solid molded HDPE (high density polyethylene) panels on stainless steel framing floor supply & install by toilet partition manufacturer with HPDE access panels for plumbing.
- F** gable walls 8" CMU to 8'-0" h. with 2"x6" wd. framing above (see mezzanine plan)
- polyester shower curtain hemmed with grommets
- N.I.C. not in contract
- 01** room number for interior finishes see finish schedule on this sheet.

Front Entrances

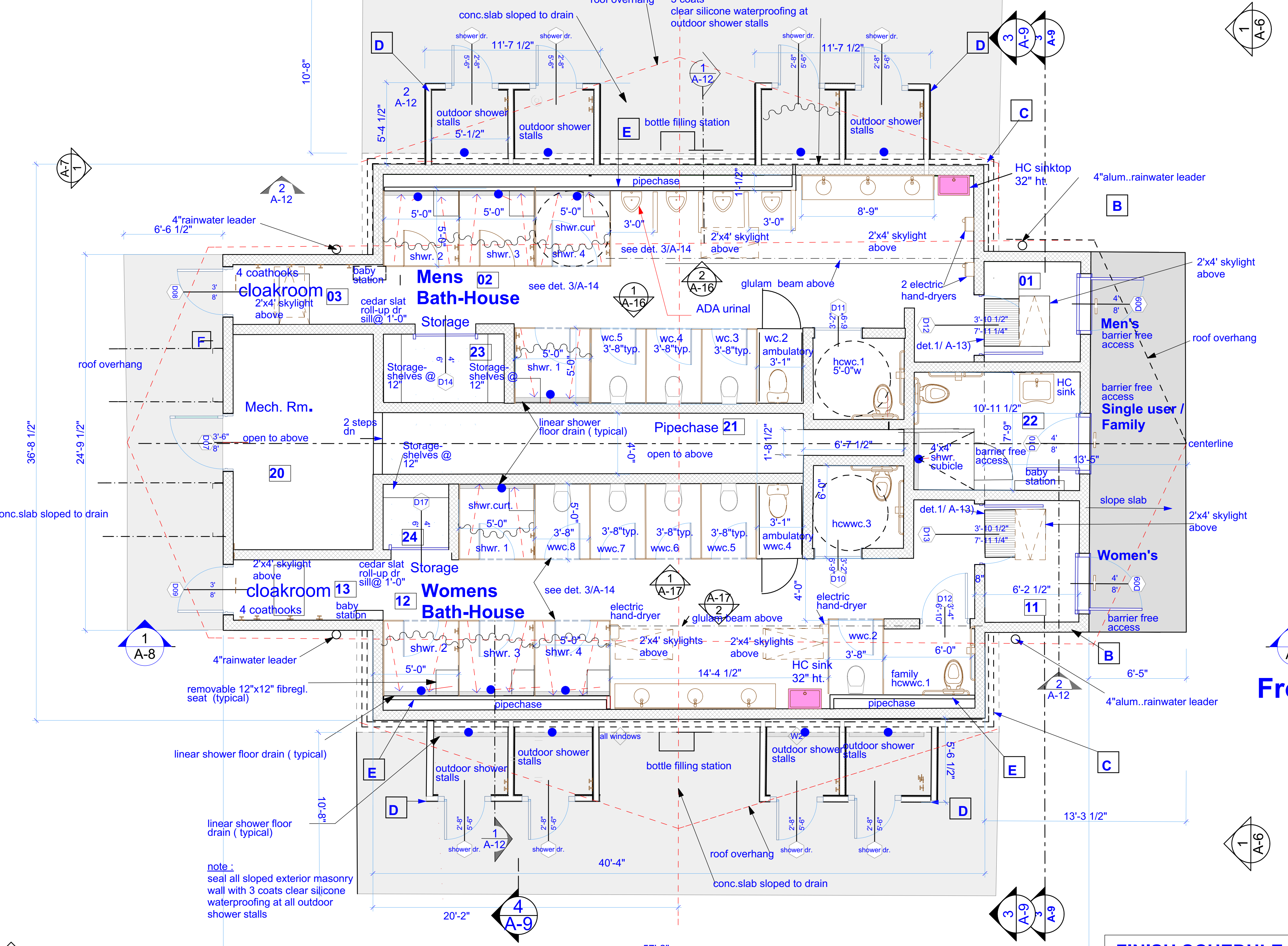
1
A-8

note 1:
 All floors to be fluid applied resin flooring (see spec) over concrete slab sloped to drains except in pipechase area and mechanical room where finish to be sealed concrete (see det.5/A-15 & 6/A-15)

2
A-7

Area Calculations
 interior built space : 1,753 sq. ft.
 roof coverage area: 2,446 sq.ft

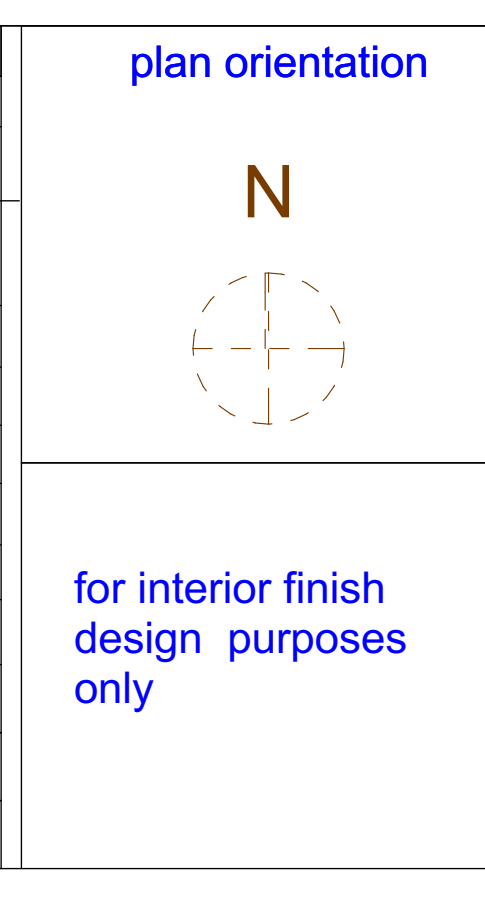
A-6
2



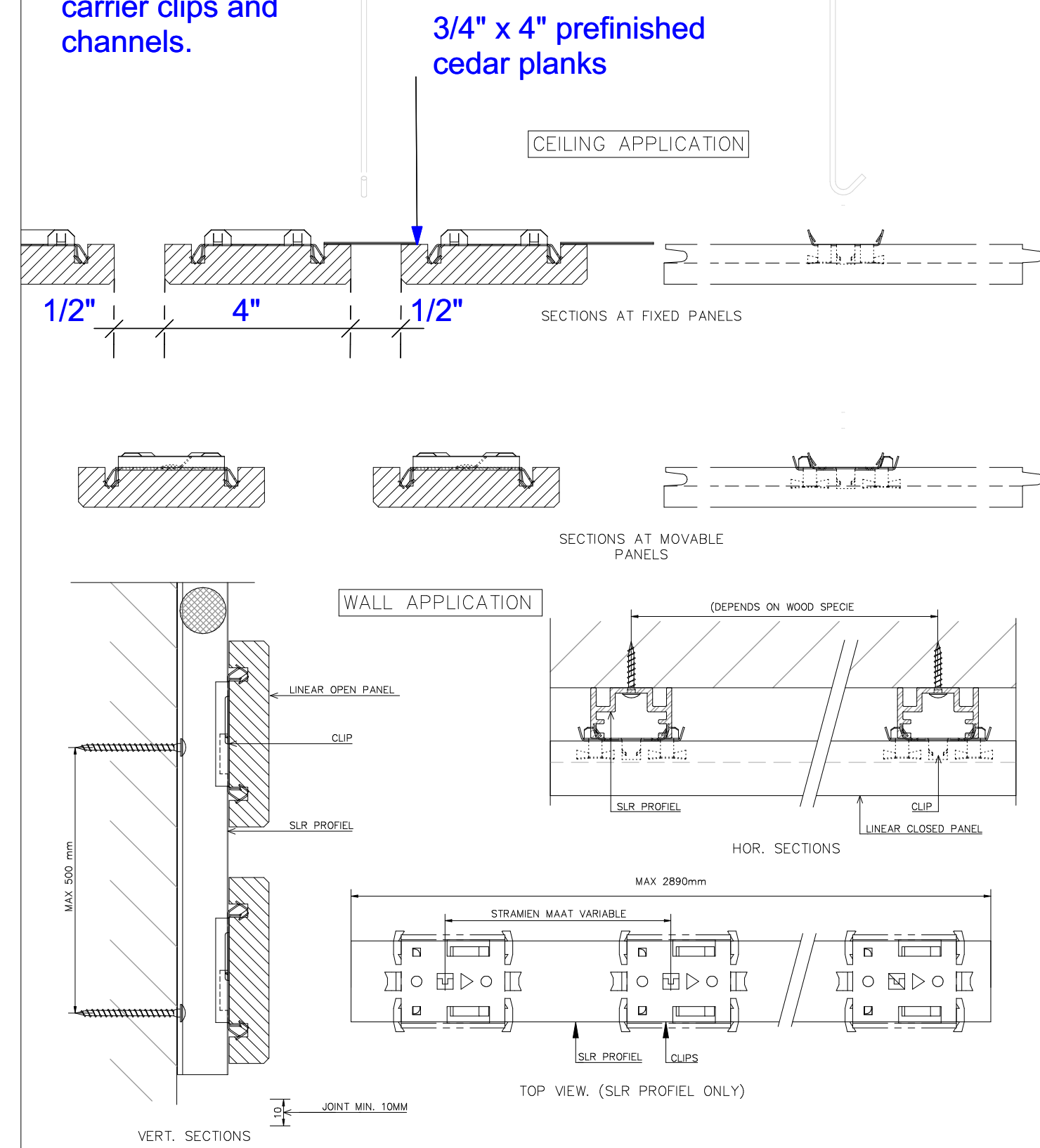
**Service (rear)
 Entrances**

FINISH SCHEDULE

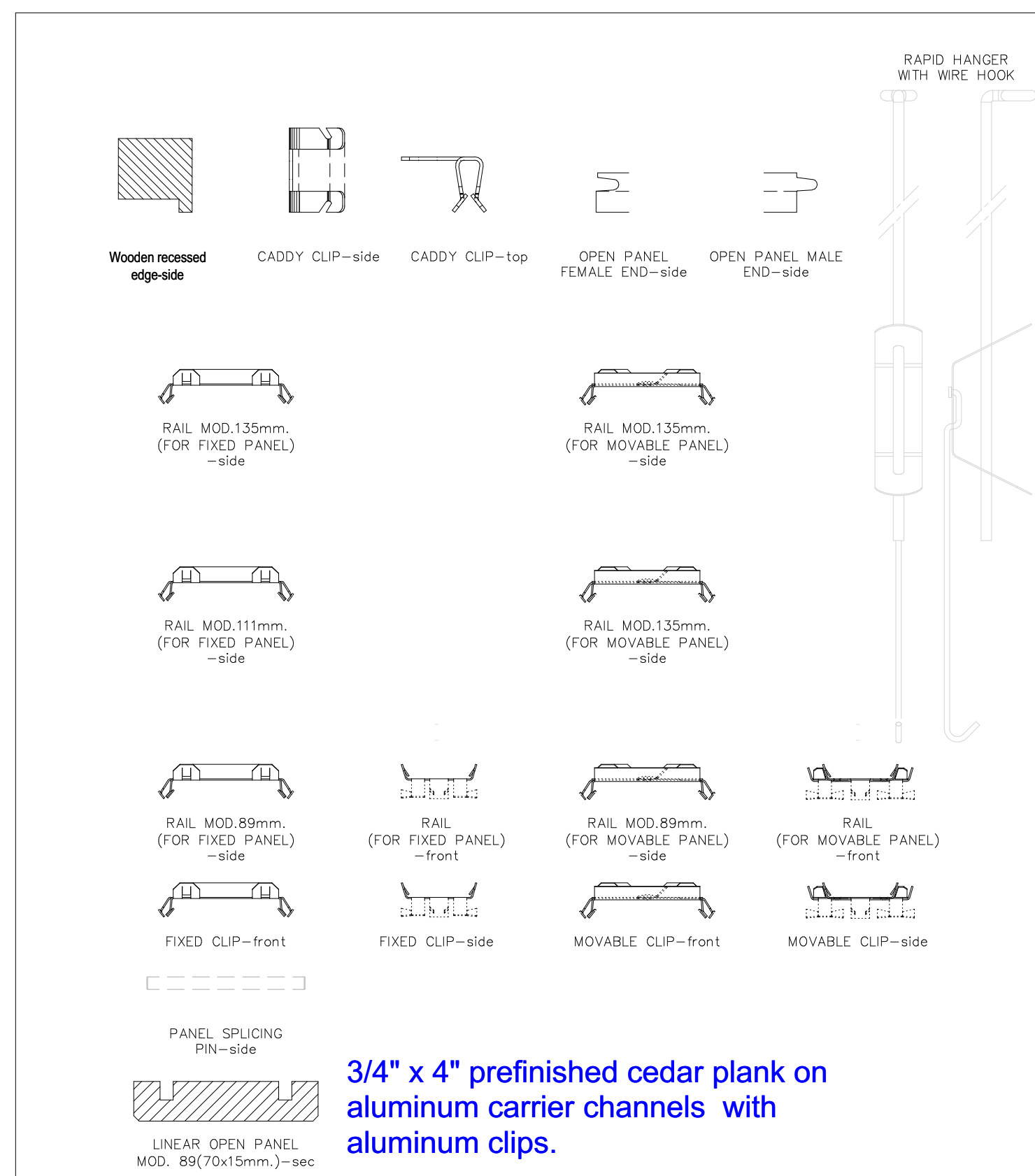
rm.#	name	flr.mat.	fin.col	clg.mat.	finish	north wall	finish	south wall	finish	east wall	finish	west wall	finish	cove base	notes
01	men vestibule	prd. resin	lt.grey	cedar plank	ptd	cdr shingle	pentox	cdr shingle	pentox	cdr shingle	pentox	CMU	epoxy1	6" resin	
02	men showers	prd. resin	lt.grey	cedar plank	ptd	CMU	epoxy1	CMU	epoxy1	CMU	epoxy1	CMU	epoxy1	6" resin	skylight bulkhds
03	men cloakrm	prd. resin	lt.grey	cedar plank	ptd	cdr shingle	pentox	cdr shingle	pentox	CMU	epoxy1	cdr shingle	pentox	6" resin	
	void														
11	women vestibule	prd. resin	lt.beige	cedar plank	ptd	cdr shingle	pentox	cdr shingle	pentox	cdr shingle	pentox	CMU	epoxy2	6" resin	
12	women showers	prd. resin	lt.beige	cedar plank	ptd	CMU	epoxy2	CMU	epoxy2	CMU	epoxy2	CMU	epoxy2	6" resin	skylight bulkhds
13	women cloakrm	prd. resin	lt.beige	cedar plank	ptd	cdr shingle	pentox	cdr shingle	pentox	CMU	epoxy2	cdr shingle	pentox	6" resin	
	void														
20	mechanical rm	sil. sealer	clear	open to roof	ptd	CMU	epoxy1	CMU	epoxy1	CMU	epoxy1	CMU	epoxy1	6" vinyl	
21	pipechase	sil. sealer	clear	open to roof	ptd	CMU	epoxy1	CMU	epoxy1	CMU	epoxy1	CMU	epoxy1	6" vinyl	
22	single-user wc	prd. resin	lt.grey	cedar plank	ptd	CMU	epoxy1	CMU	epoxy1	CMU	epoxy1	CMU	epoxy1	6" resin	
23	supply closet	prd. resin	lt.beige	CMU	ptd	CMU	epoxy2	CMU	epoxy2	CMU	epoxy2	CMU	epoxy2	6" resin	rollup st. stl. dr.
24	supply closet	prd. resin	lt.beige	CMU	ptd	CMU	epoxy2	CMU	epoxy2	CMU	epoxy2	CMU	epoxy2	6" resin	rollup st. stl. dr.



Note : details illustrate ceiling framed with aluminum carrier clips and channels.

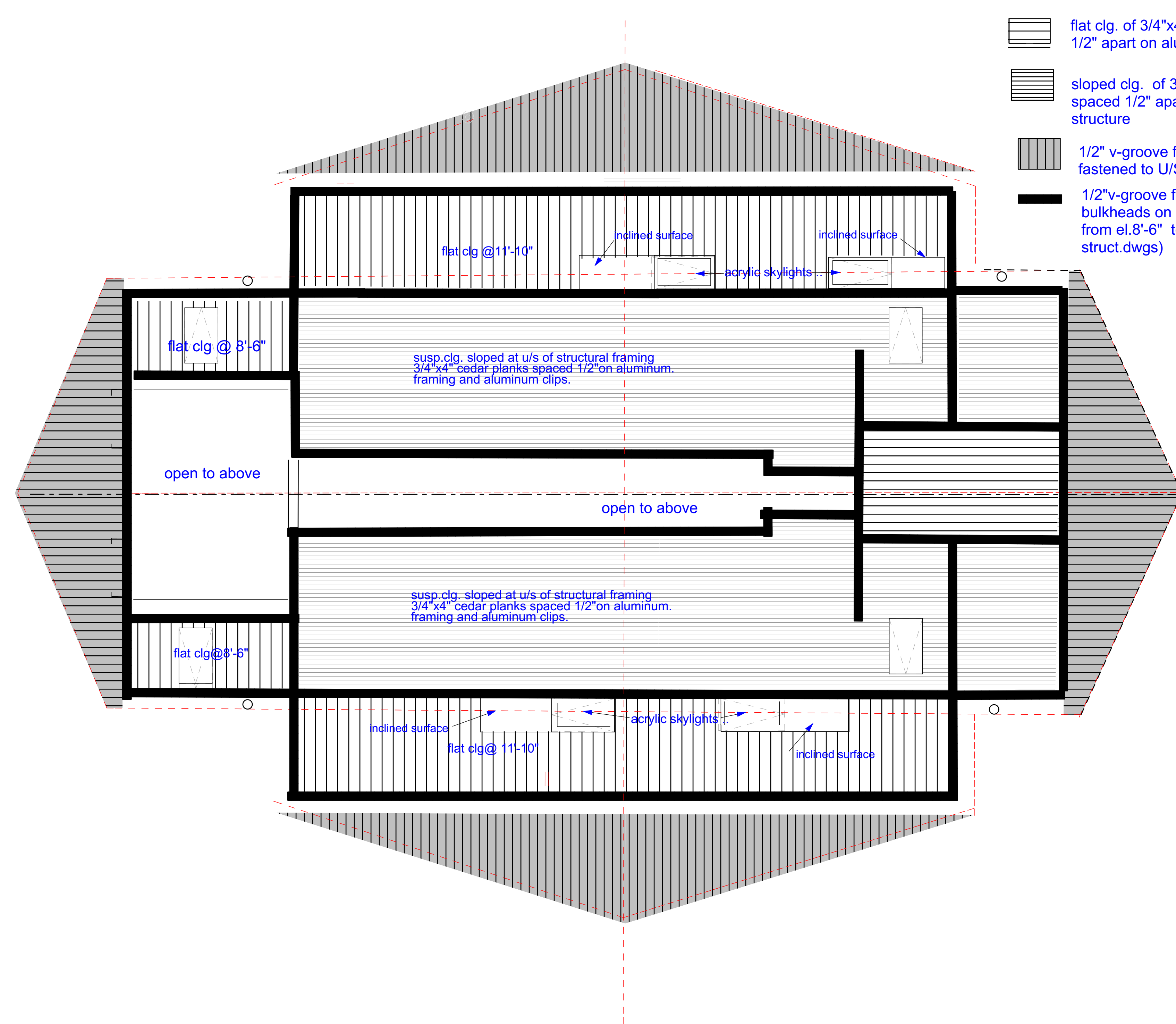


Typical Details - Cedar Plank Suspended Ceilings & Sloped Ceilings- nts



Typical Details - Cedar Plank Suspended Ceilings & Sloped Ceilings- nts

- 2' x 4' aluminum framed skylights with laminated safety glass- 8 required
- flat clg. of 3/4"x4" cedar slats spaced 1/2" apart on aluminum channels
- sloped clg. of 3/4"x4" cedar slats spaced 1/2" apart fastened to u/s of structure
- 1/2" v-groove fiber cement panels fastened to U/S of roof structure
- 1/2" v-groove fiber cement panels bulkheads on visible side of wd studs from el. 8'-6" to ridge of structure. (see struct.dwgs)



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**Bath-Houses
Main Camp,
Fish Camp &
Legion Town**

**Burlingame
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Bathouses**

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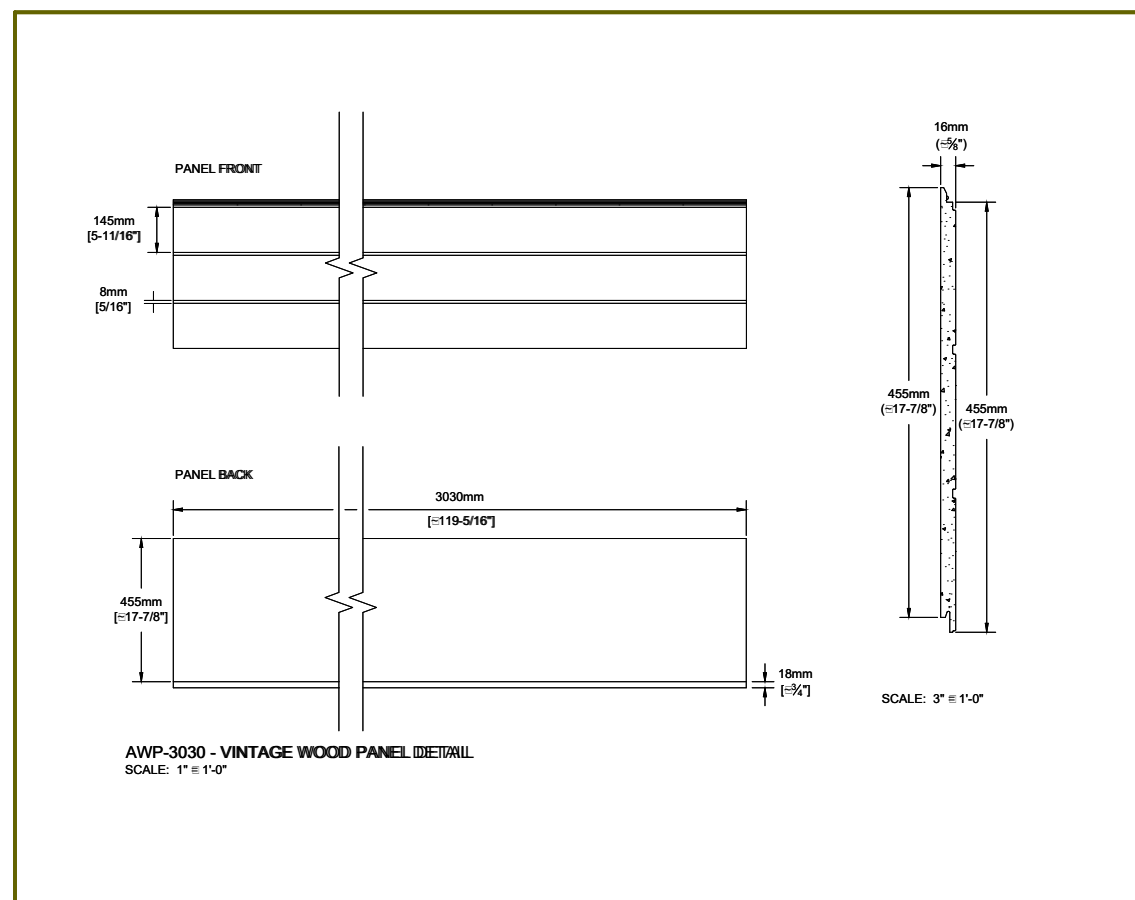
SHEET TITLE
**Reflected
Ceiling Plan
& Details**

Ab-3 a.
SHEET 3 OF 17

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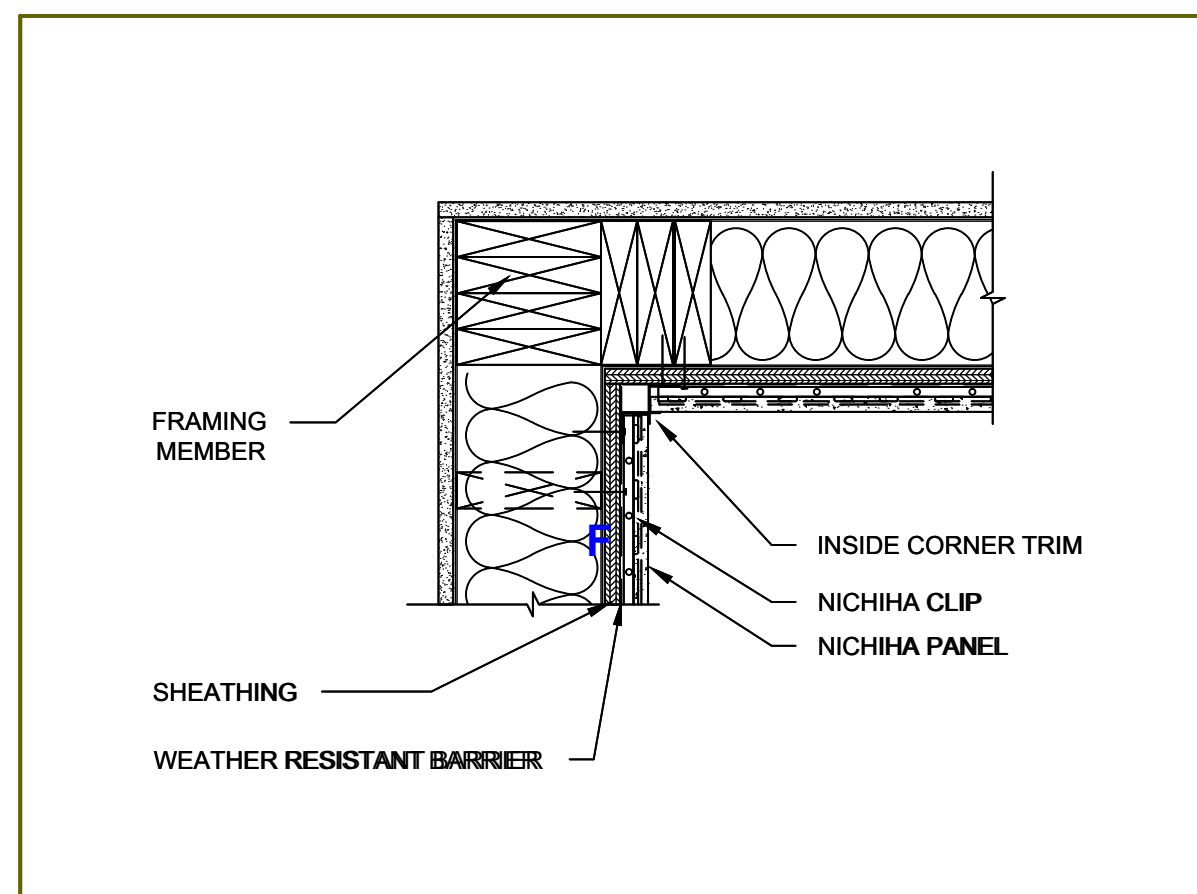
Fiber Cement Wall Panel Details

NOTE : Typical details are based on 5/8" thick Nichiha Vintagewood panels or approved equivalents. Other manufacturers equivalent products and details are acceptable if accepted and approved by architect. all metal clips and framing to be aluminum zinc alloy or stainless steel, all sheathing to be 1/2" waterproof plywood.



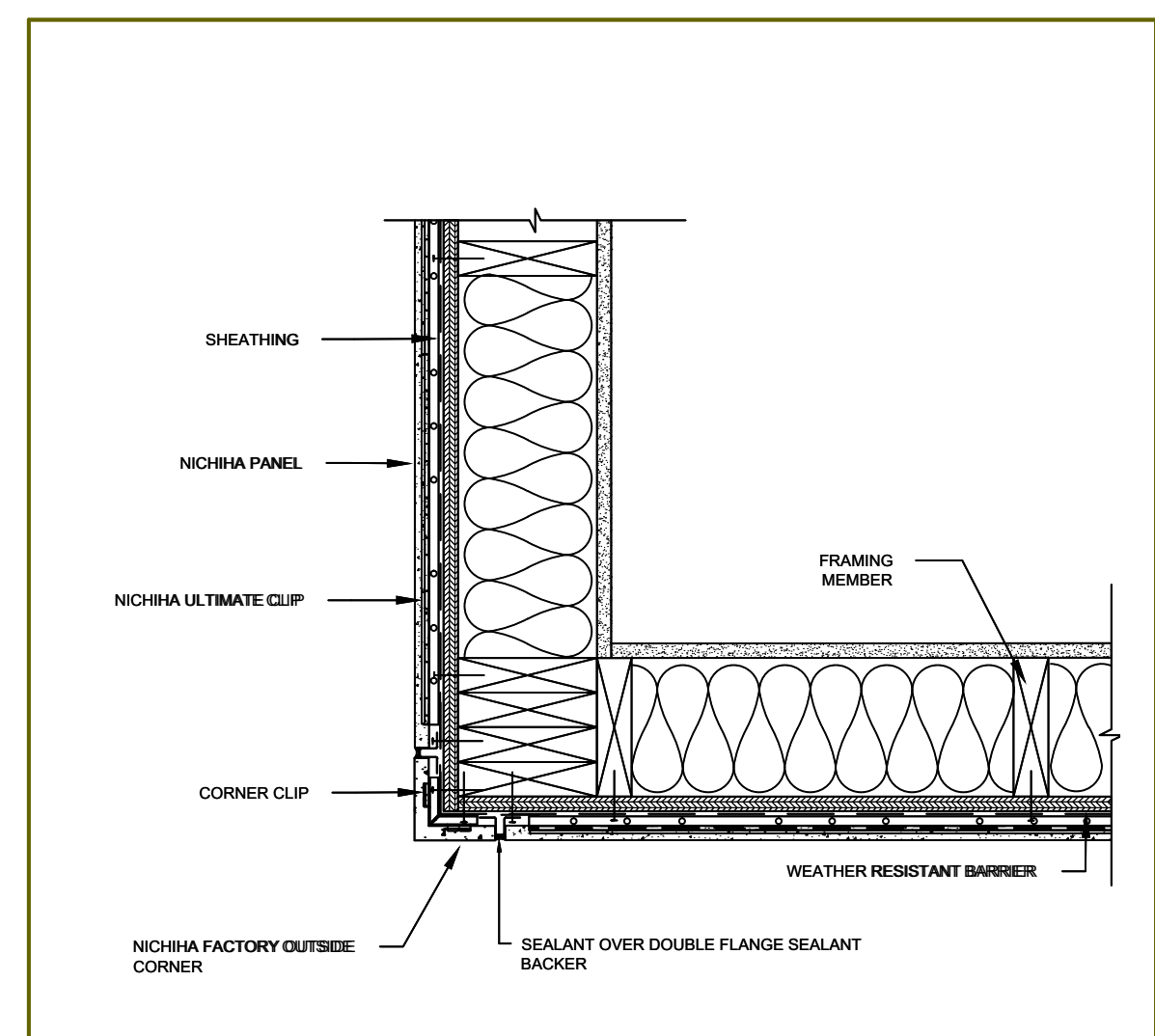
1 Typical Panel dimensions

A-4 Scale : as shown



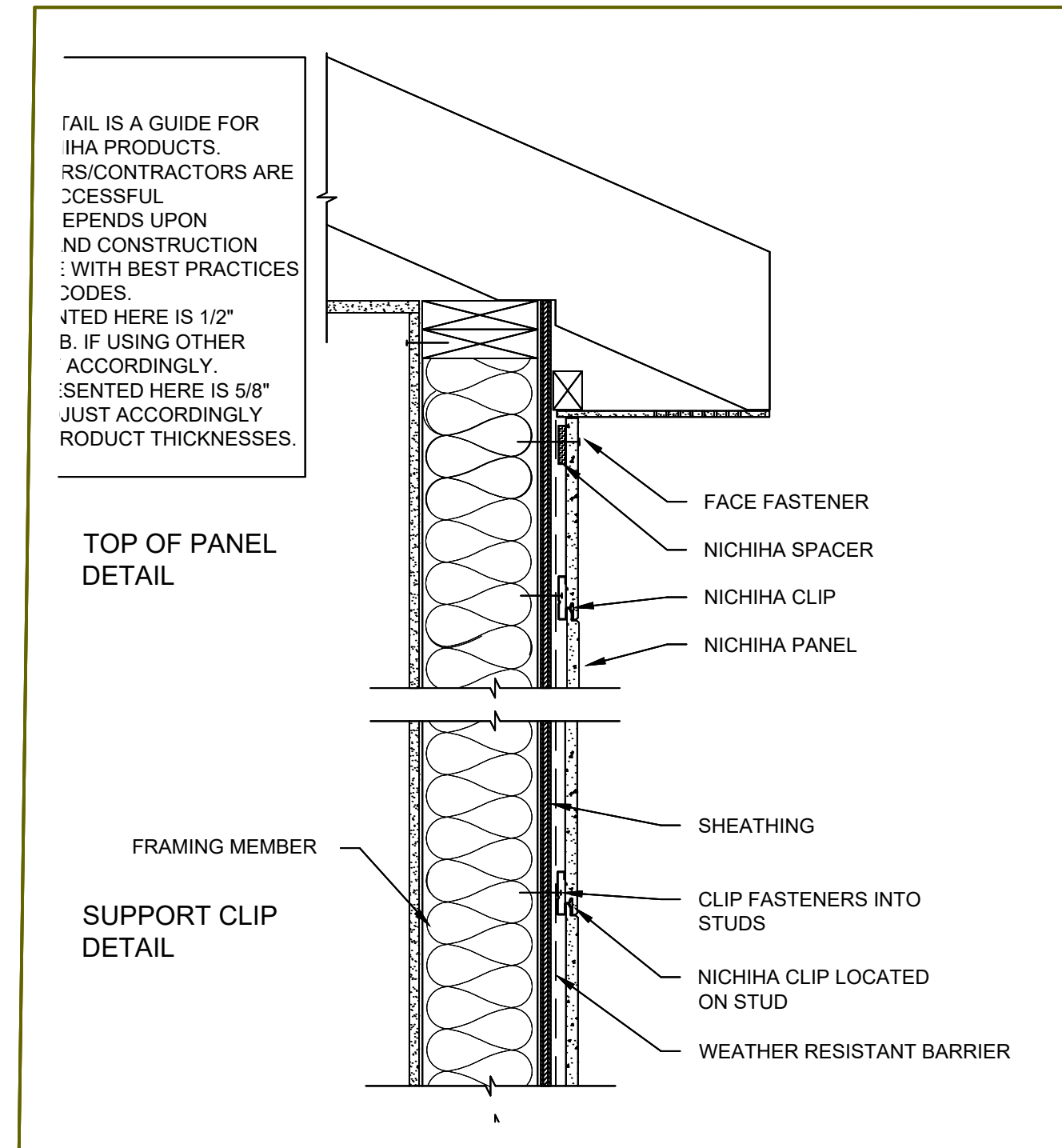
2 Typical Inside Corner-Metal trim

A-4 Scale : as shown



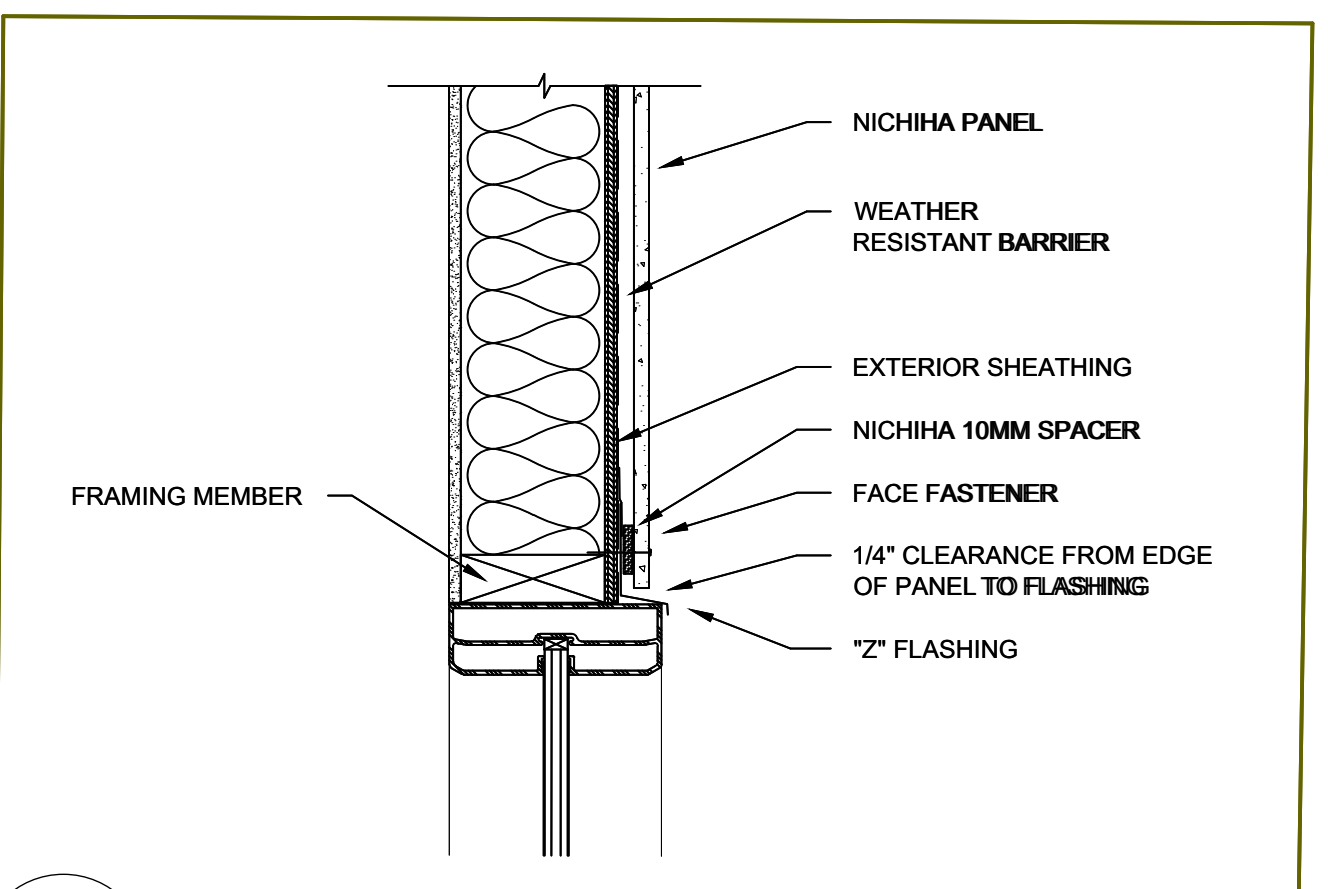
3 Typical Outside Prefab Corner

A-4 Scale : as shown



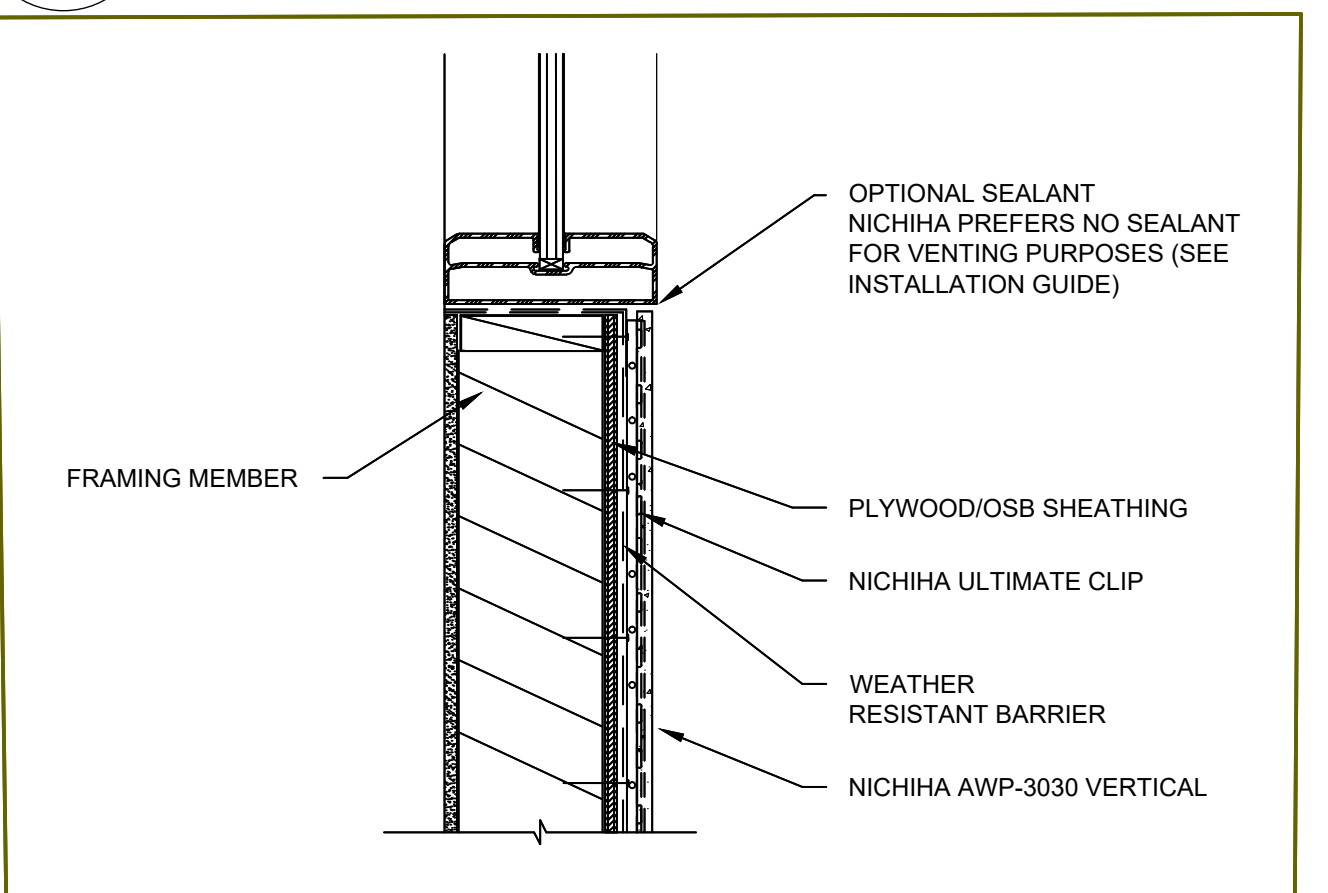
4 Typical Soffit & Wall Panel Details

A-4 Scale : 1"=1'-0"



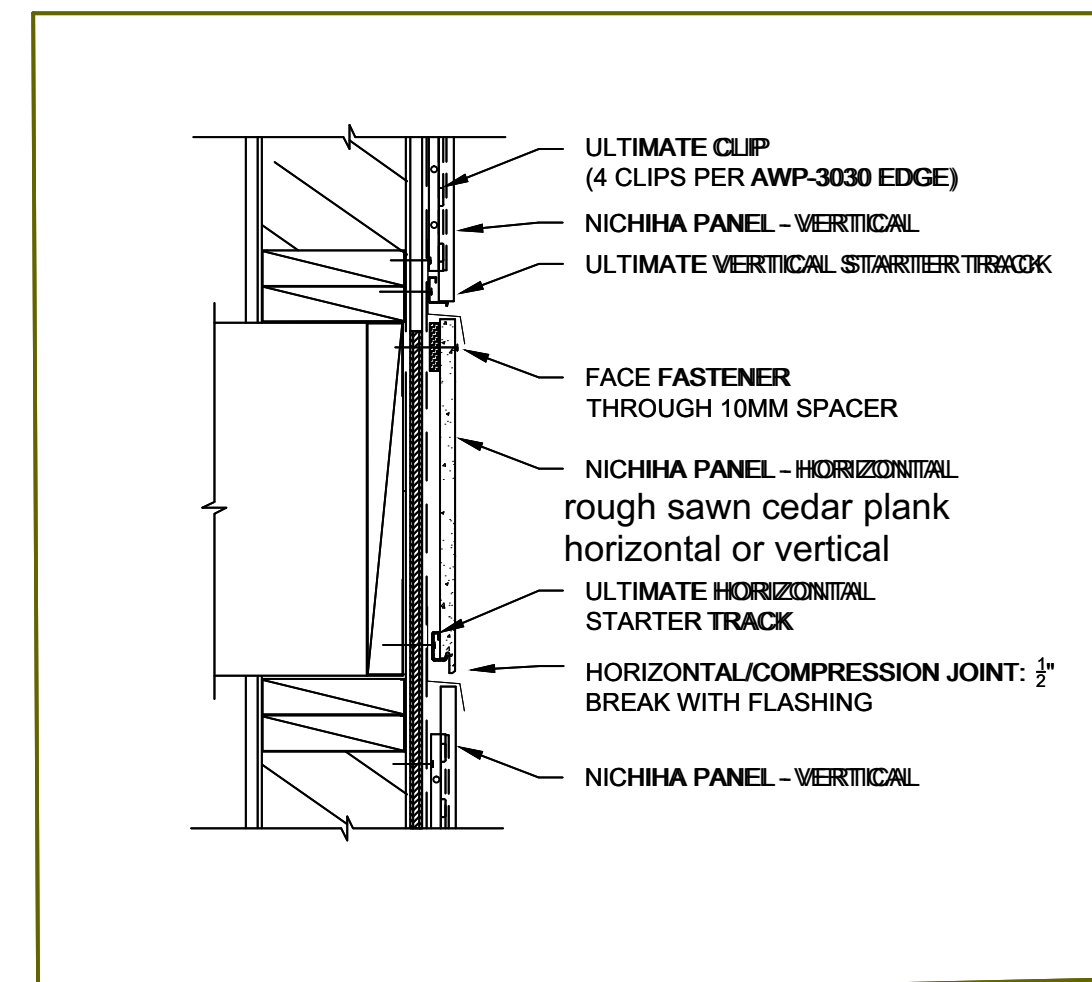
5 Typical Details at Window Head

A-4 Scale : 1 1/2"=1'-0"



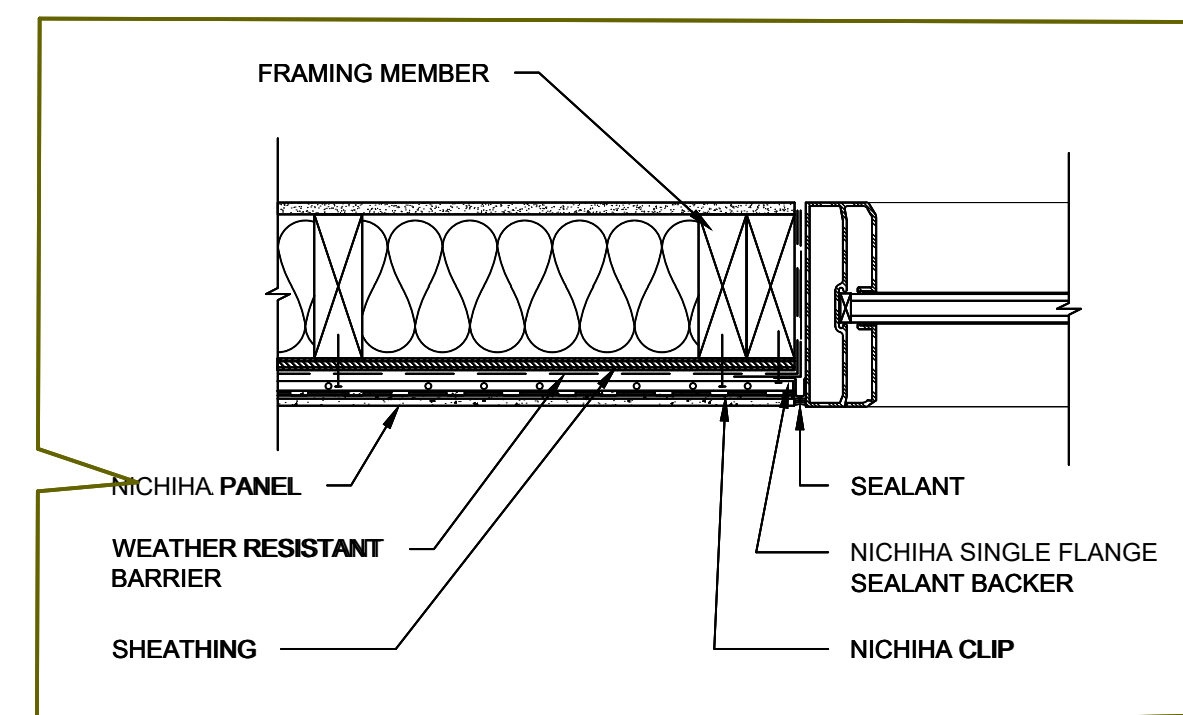
6 Typical Details at Window Sill

A-4 Scale : 1 1/2"=1'-0"



7 Typical Transition Cladding Detail

A-4 Scale : 1"=1'-0"

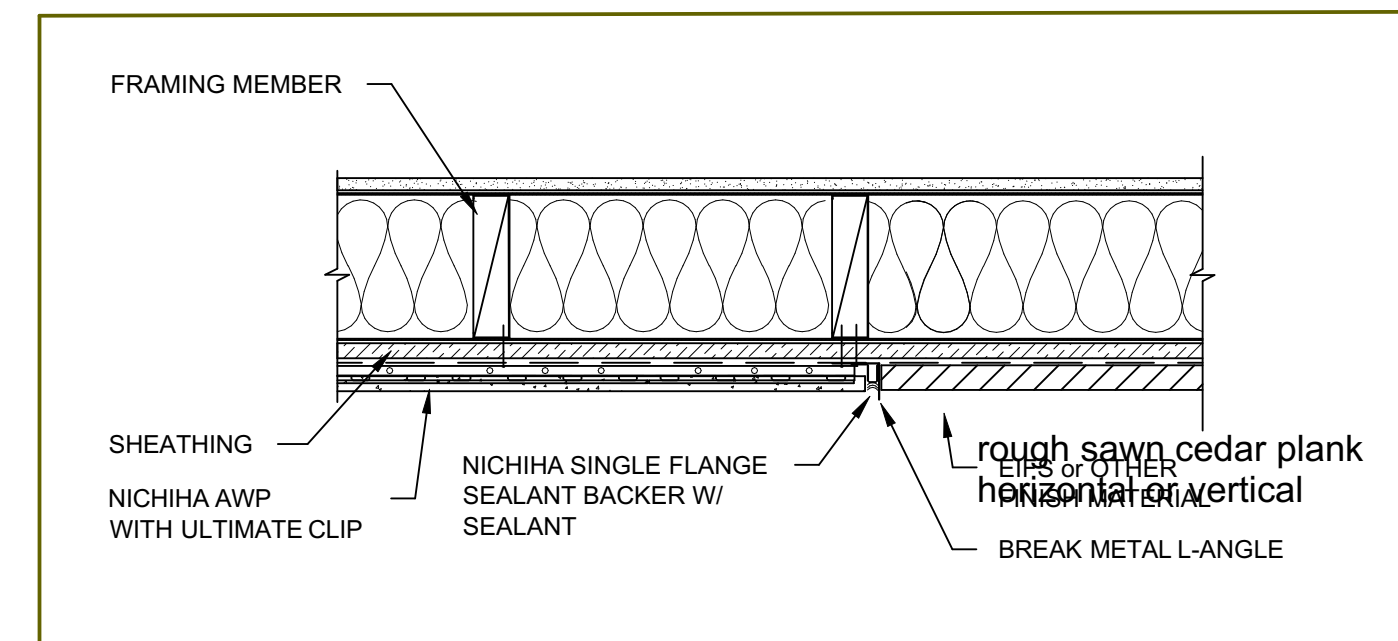


8 Typical Details at Window Jamb

A-4 Scale : 1 1/2"=1'-0"

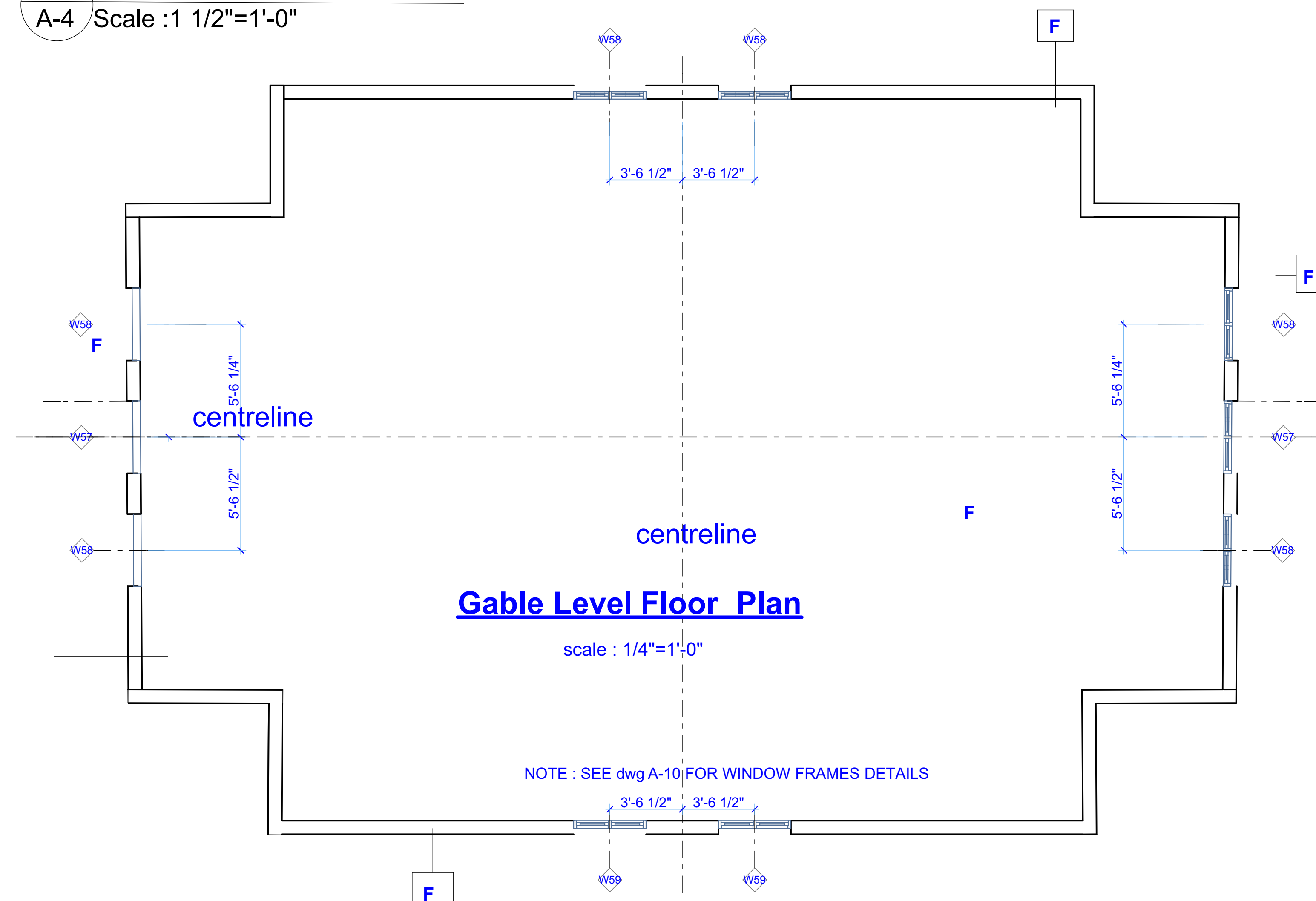
WINDOW SCHEDULE					
ID	SIZE		frame ...	MATERIAL	NOTES
	WIDTH	HEIGHT			
all windows	3'-6"	1'-8"	---	Color: Blue Cobalt	laminated safety glass

NOTE : SEE A-10 FOR WINDOW FRAMES DETAILS



9 Typical Transition Cladding Detail

A-4 Scale : 1 1/2"=1'-0"



Gable Level Floor Plan

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

NOTE : SEE dwg A-10 FOR WINDOW FRAMES DETAILS

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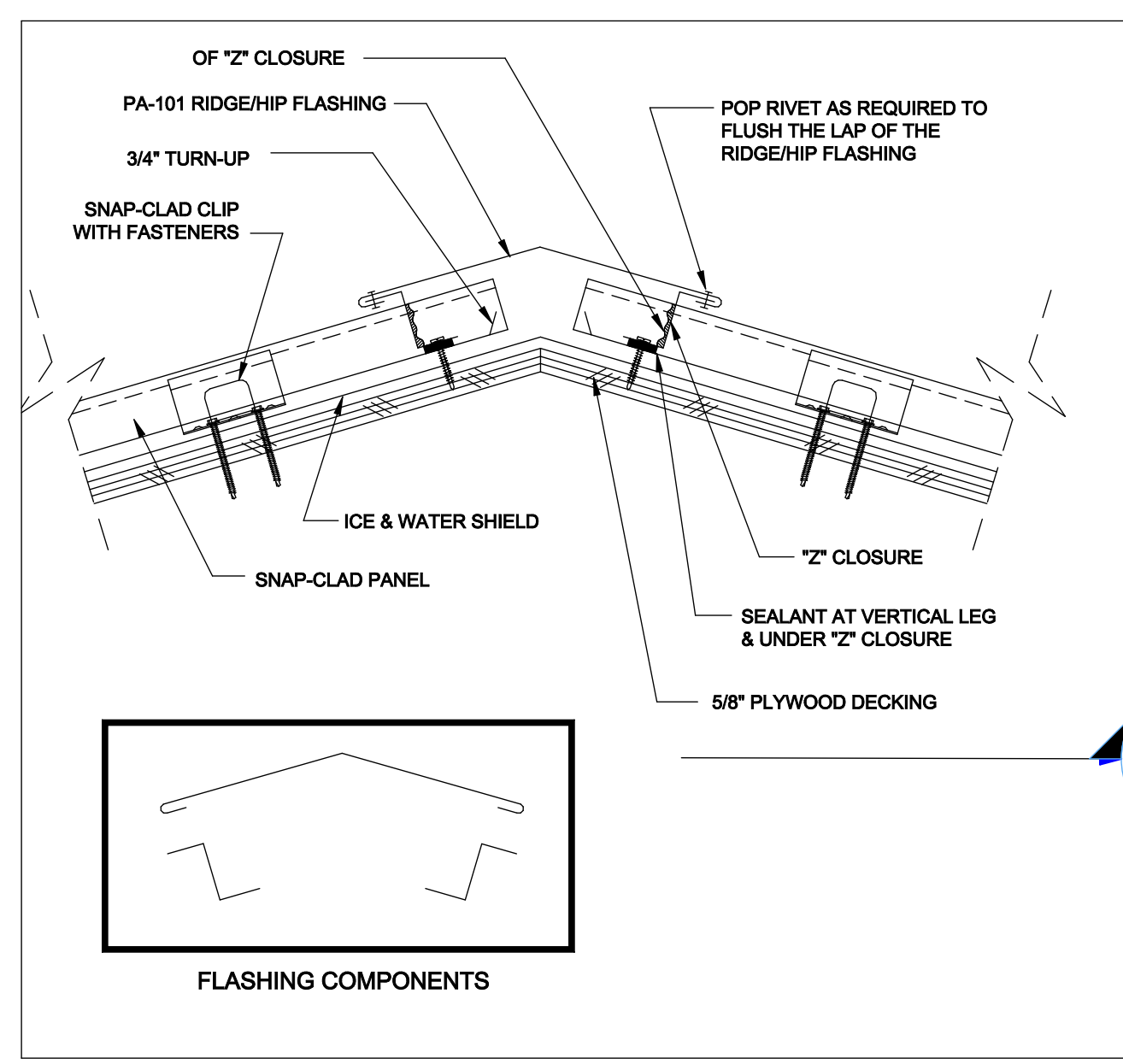
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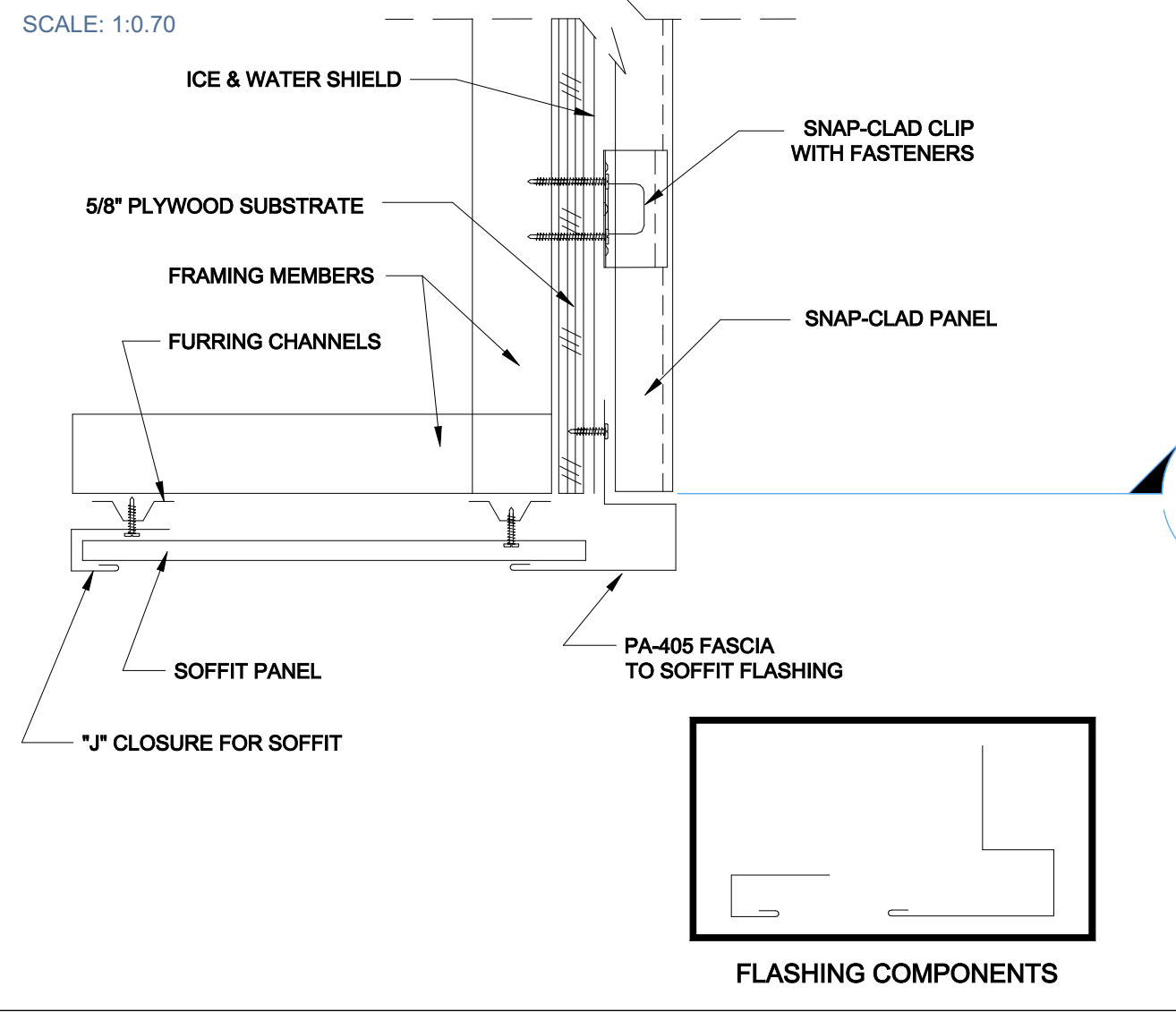
Gable Level Plan
scale : 1/4"=1'-0"

Ab-4a

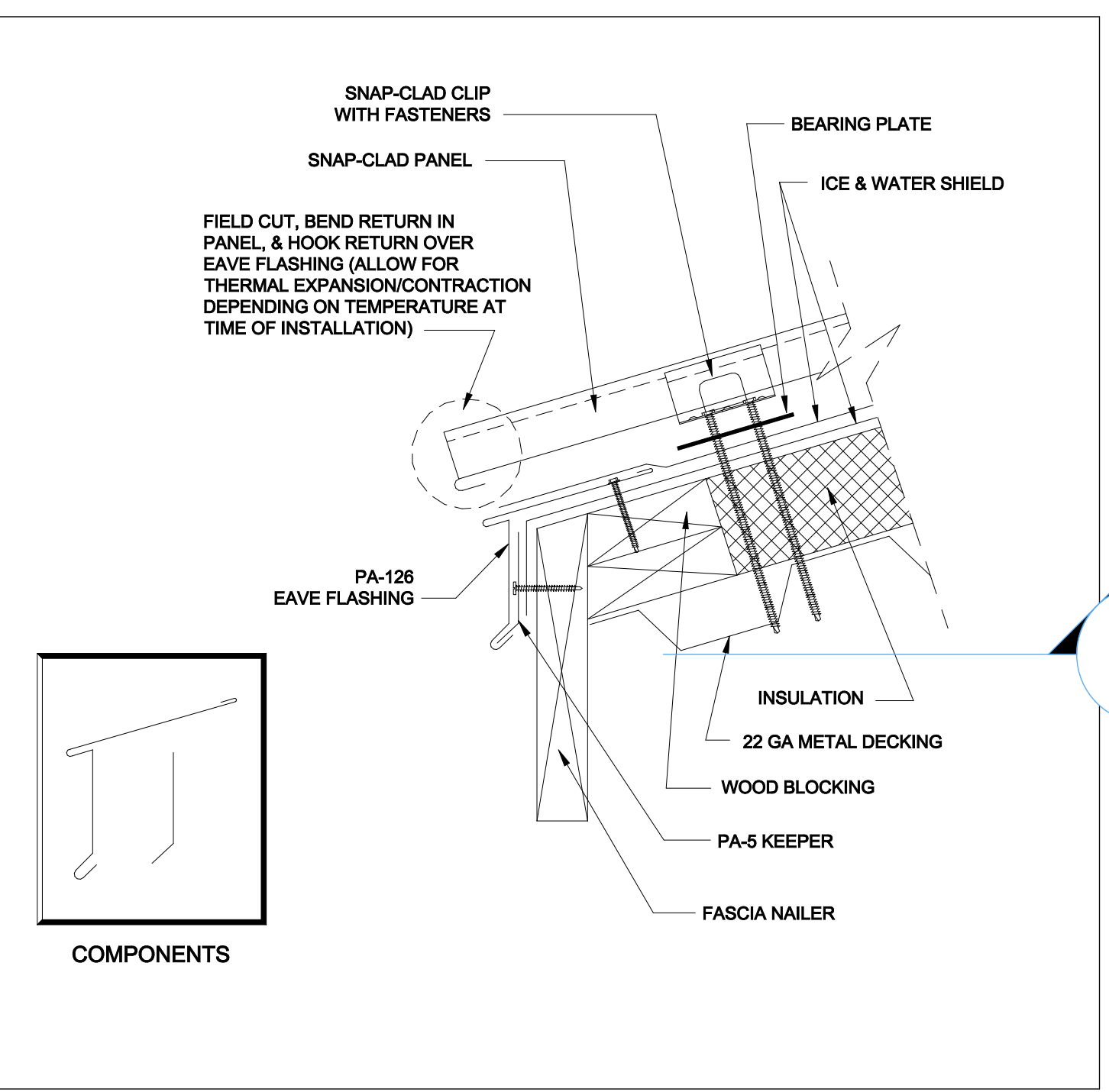
SHEET 4 OF 17



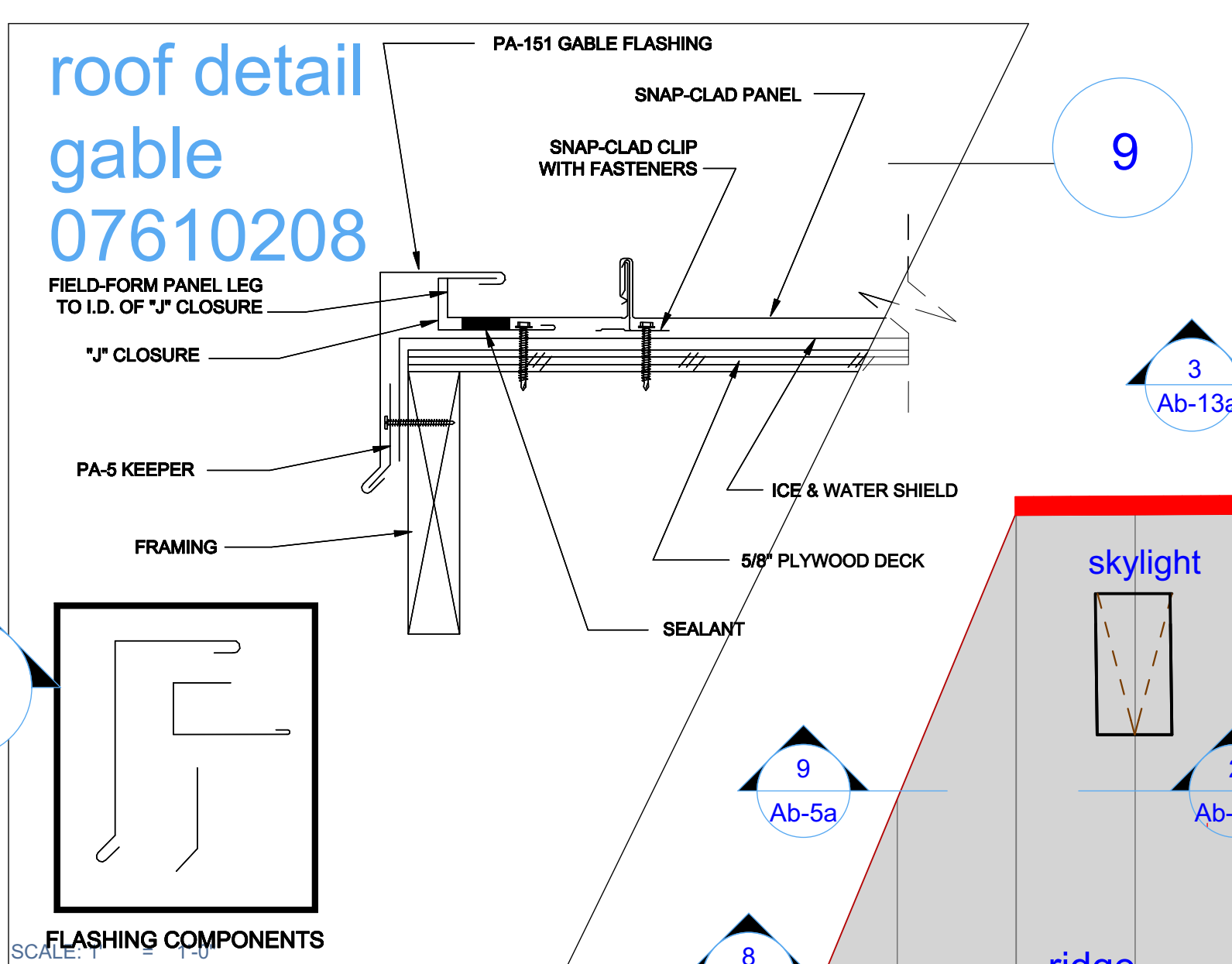
roof ridge 07610212



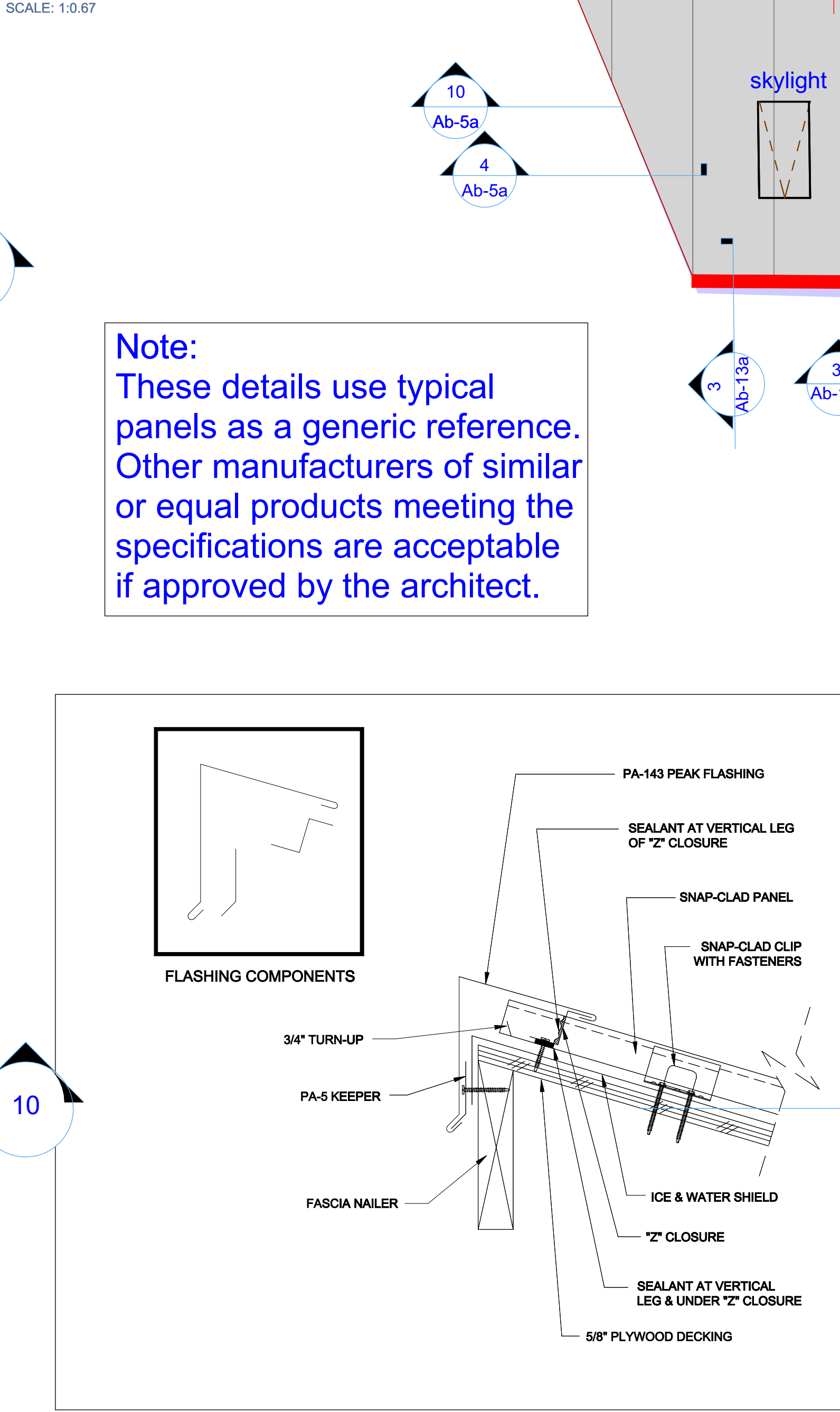
roof soffit details 07610206



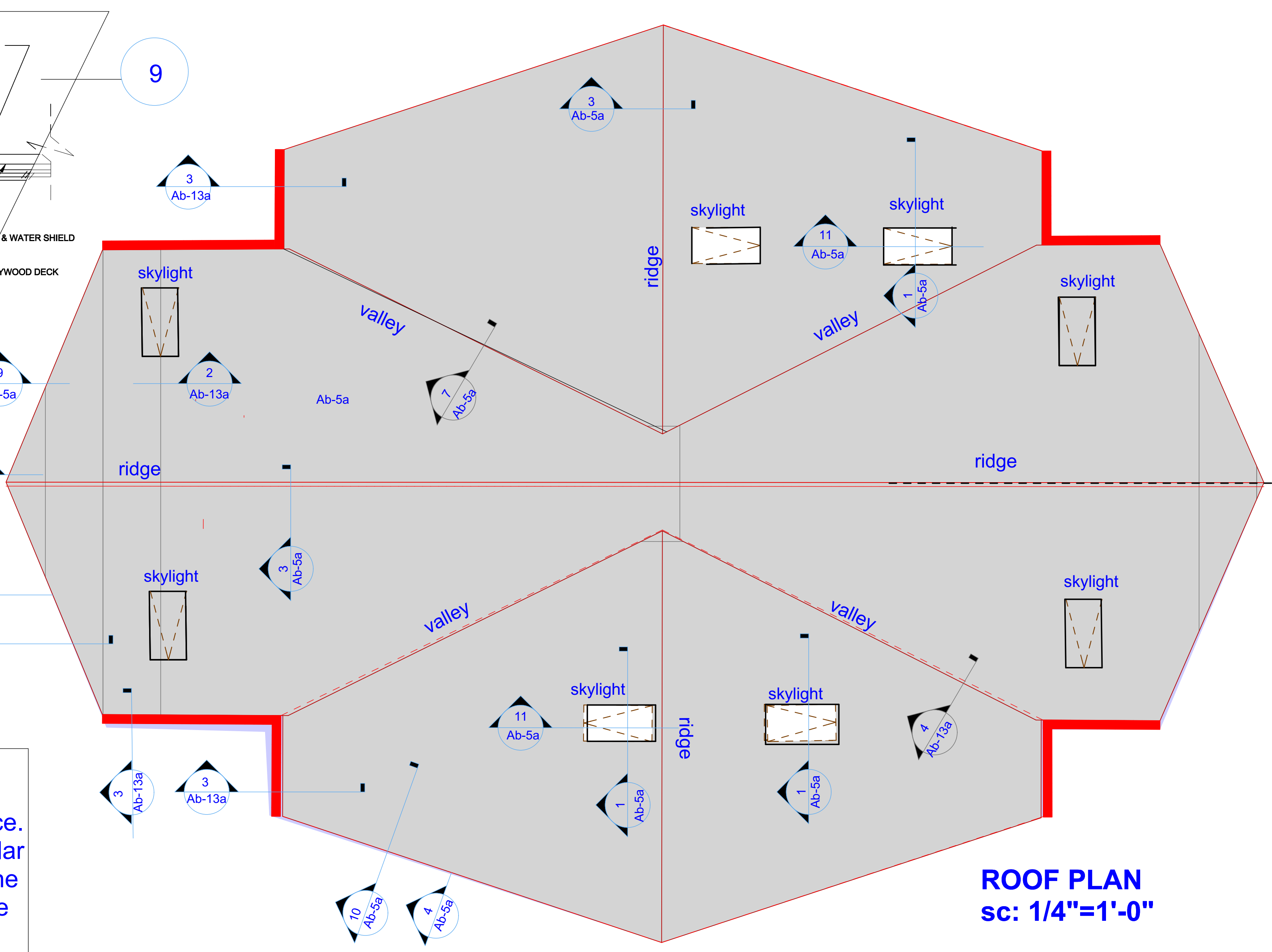
roof eave 07610231



roof detail gable 07610208

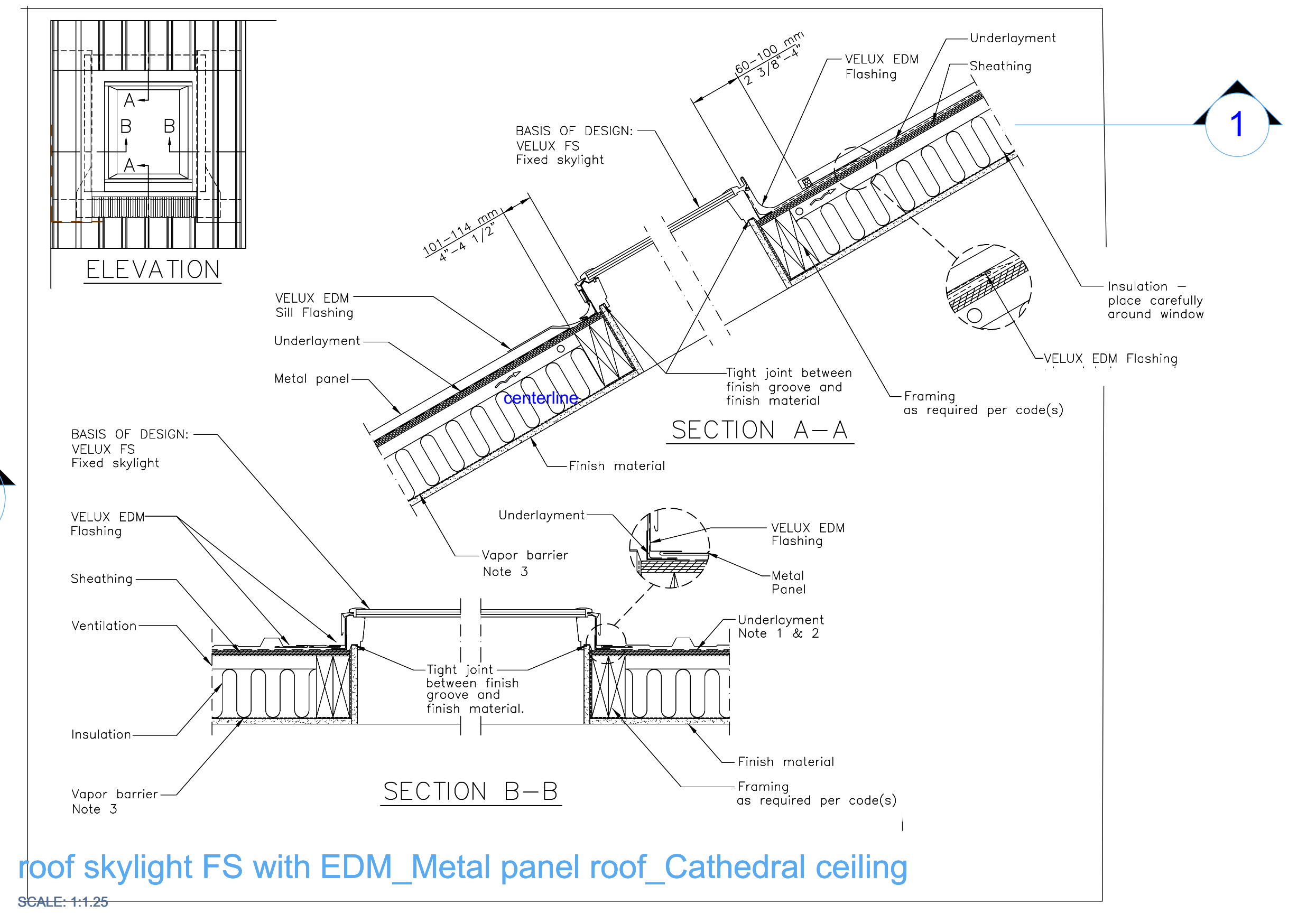


roof peak 07610215



ROOF PLAN
sc: 1/4"=1'-0"

Note:
These details use typical panels as a generic reference. Other manufacturers of similar or equal products meeting the specifications are acceptable if approved by the architect.



roof skylight FS with EDM_Metal panel roof_Cathedral ceiling

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ROOF PLAN
and DETAILS

Ab-5a
SHEET 5 OF 17

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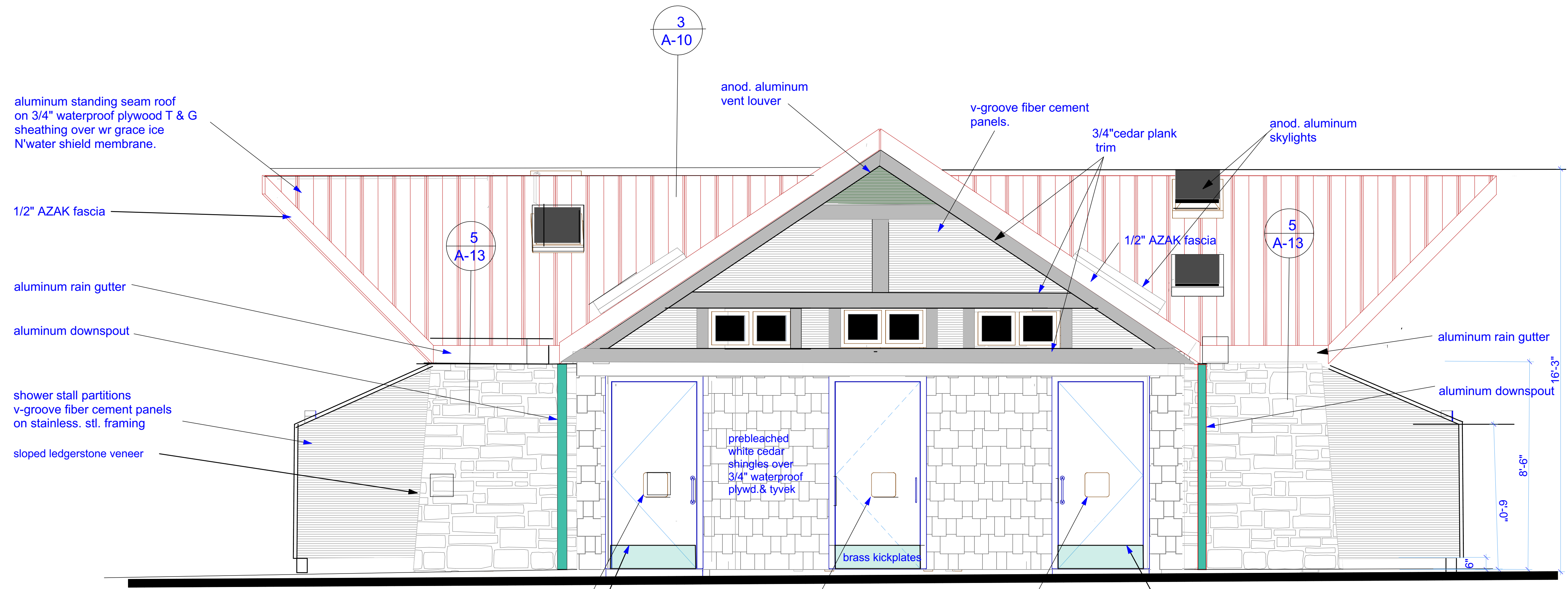
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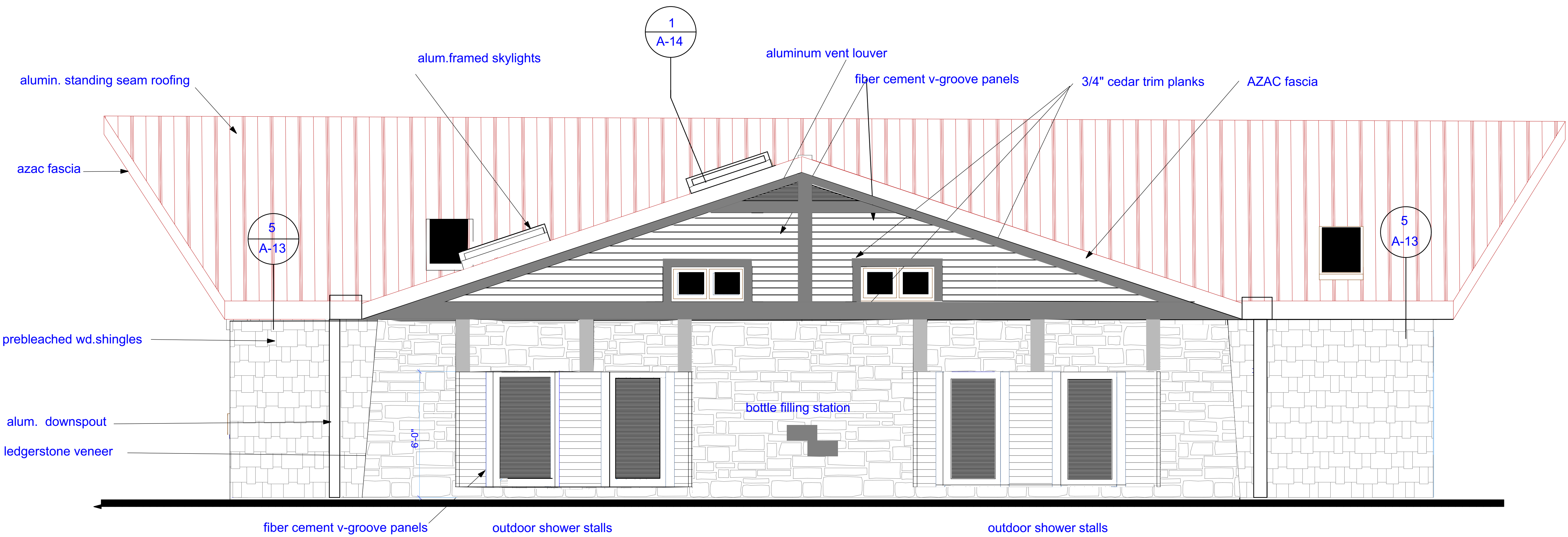
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Ab-6a
 SHEET 6 OF 17



1
A-6
Front Elevation
sc : 3/8"=1'-0"



2
Ab-6a
Side Elevation
sc : 3/8"=1'-0"

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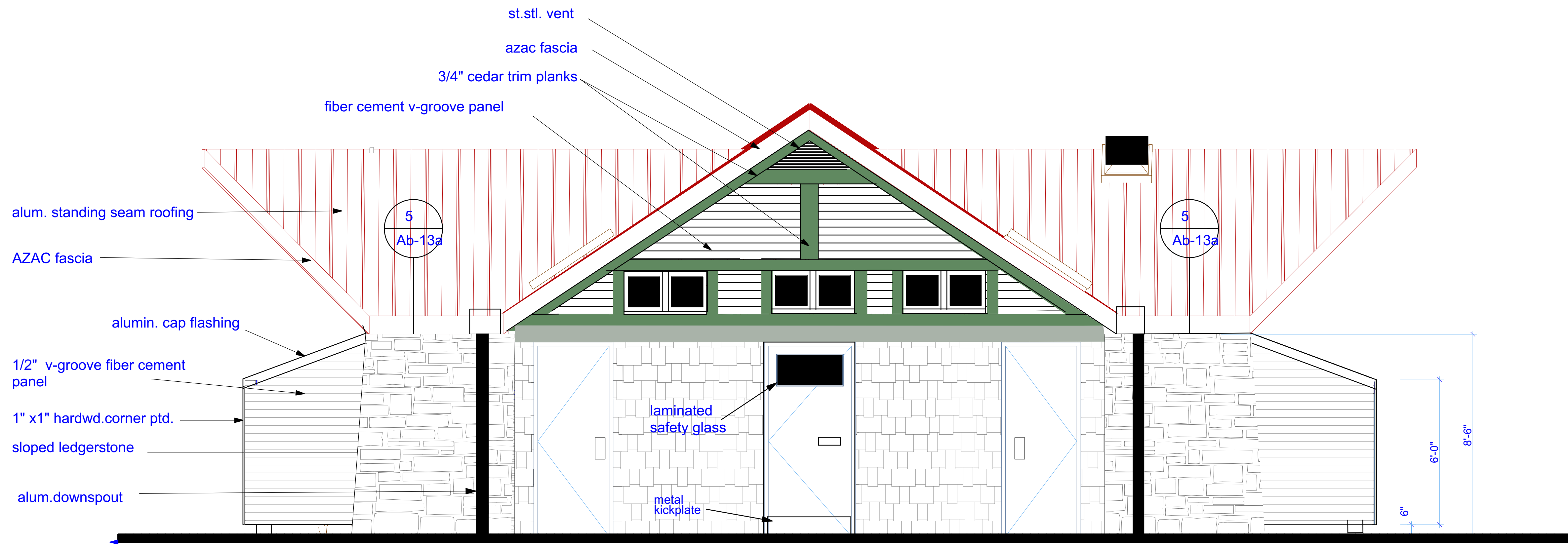
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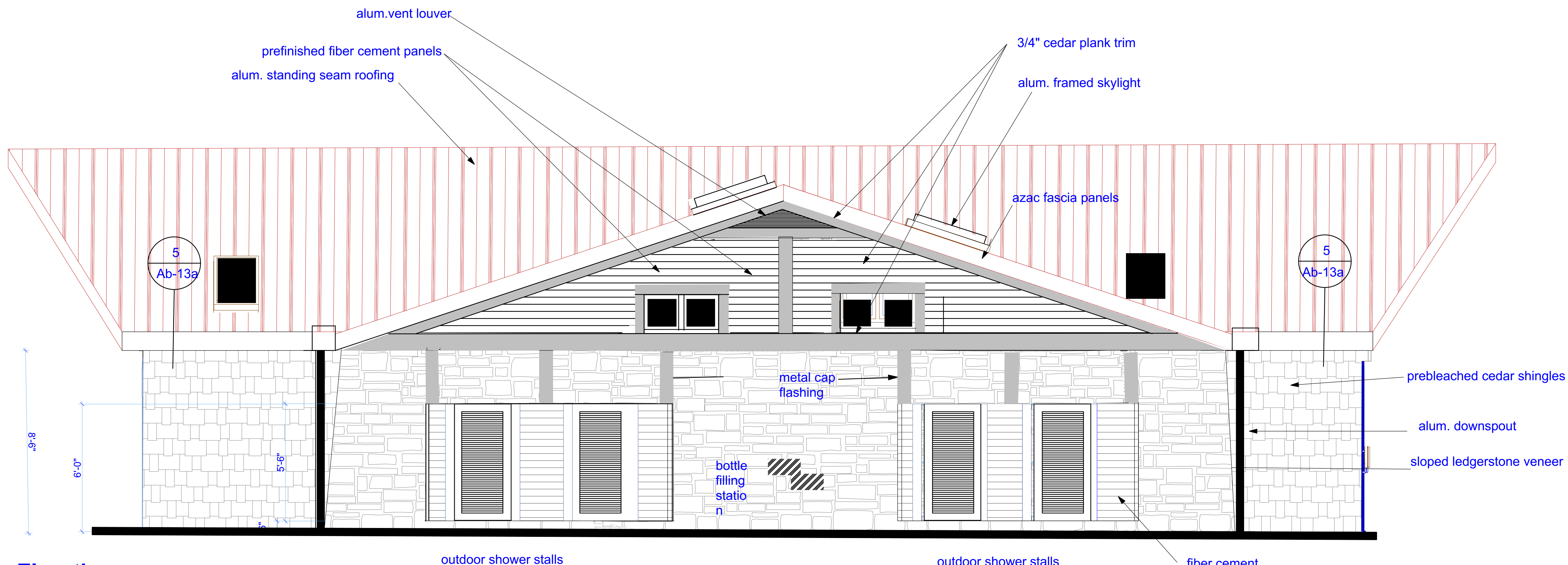
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SHEET TITLE
**Elevations
 Rear
 & Side**

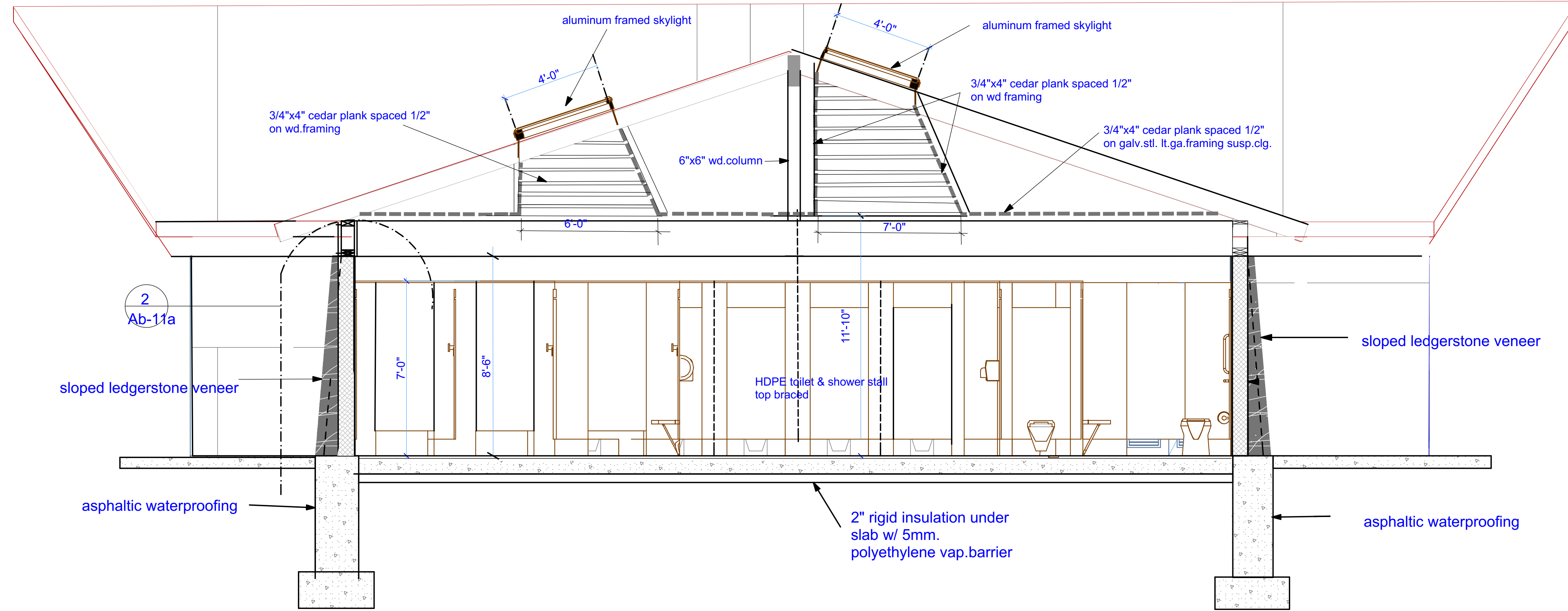
Ab-7a
 SHEET 7 OF 17



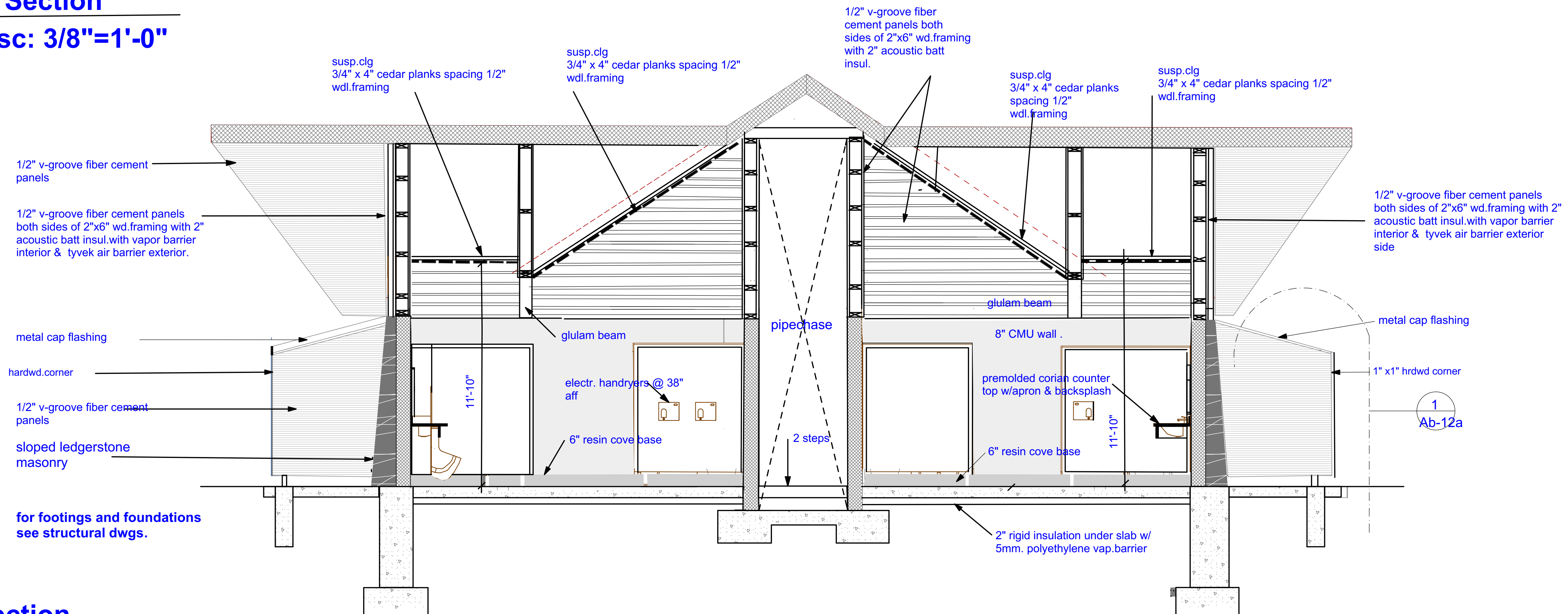
1
 Ab-7a
Rear Elevation
 sc : 3/8"=1'-0"



2
 A-7
Side Elevation
 sc : 3/8"=1'-0"



1
Ab-8 Section
 sc: 3/8"=1'-0"



2
Ab-8 Section
 sc: 3/8"=1'-0"

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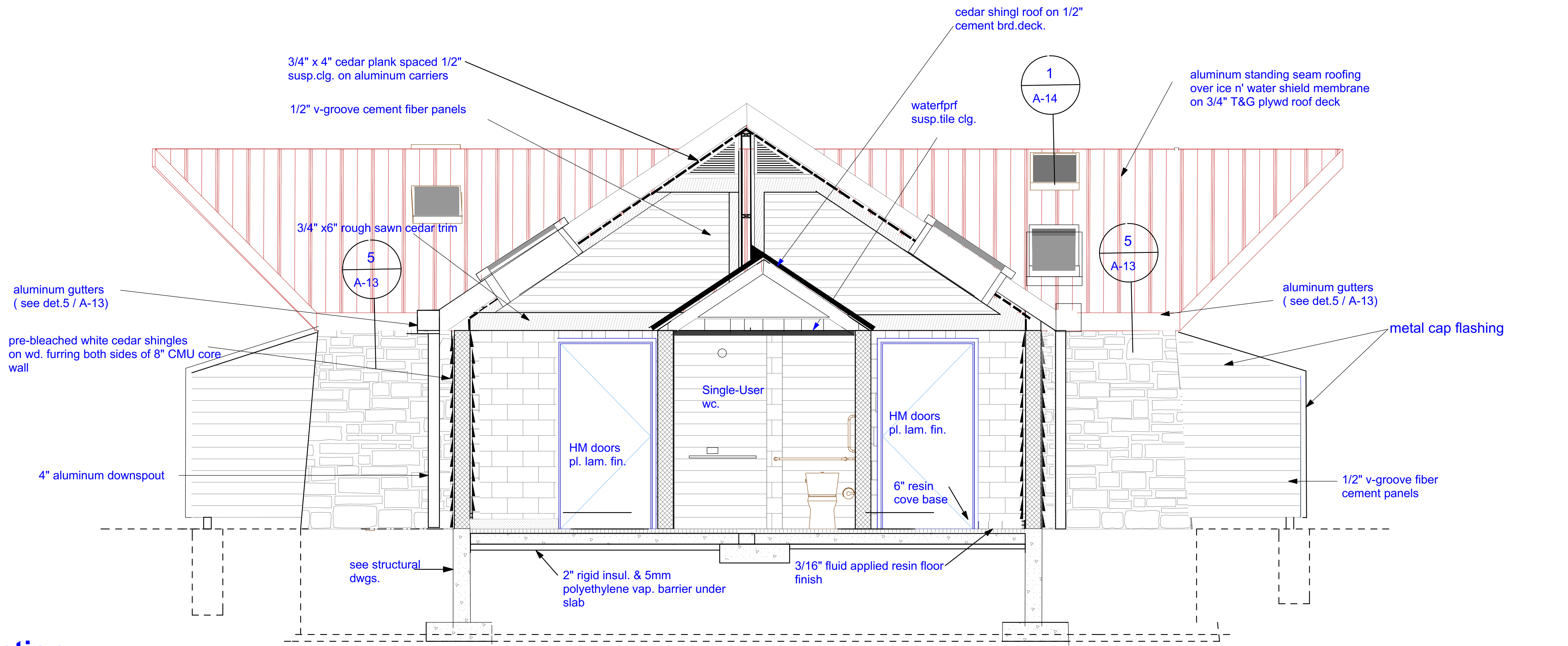
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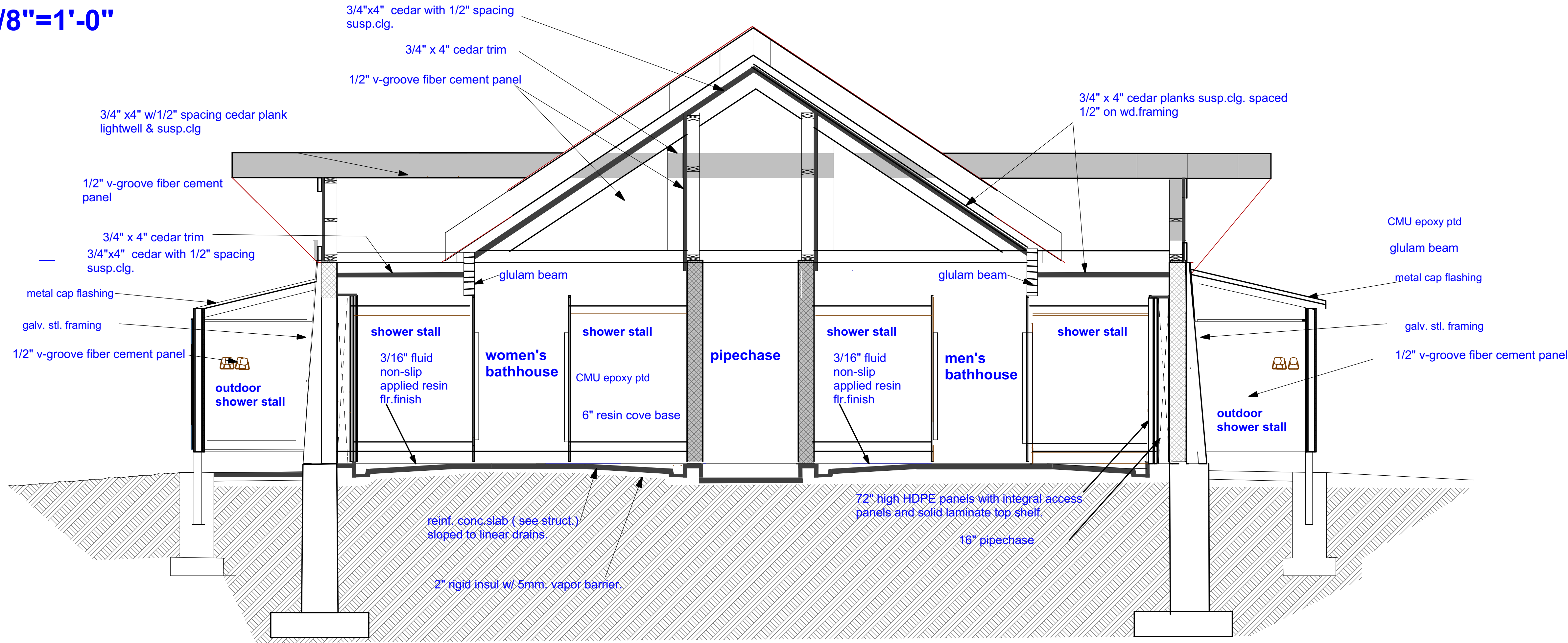
Sections

Ab-8a

SHEET 8 OF 17



1
Section
A-9
sc: 3/8"=1'-0"



2
Section
A-9
sc: 3/8"=1'-0"

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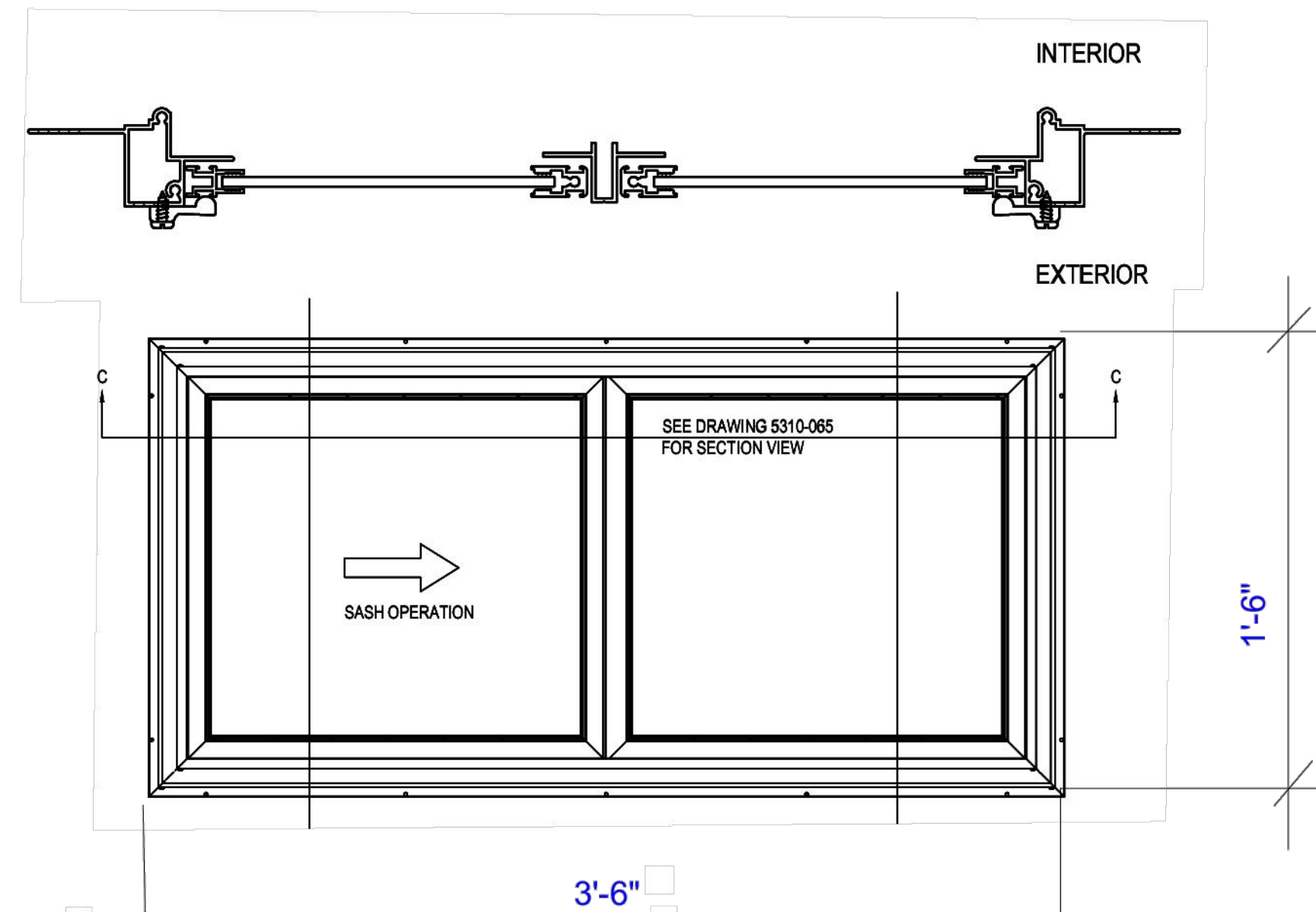
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Sections

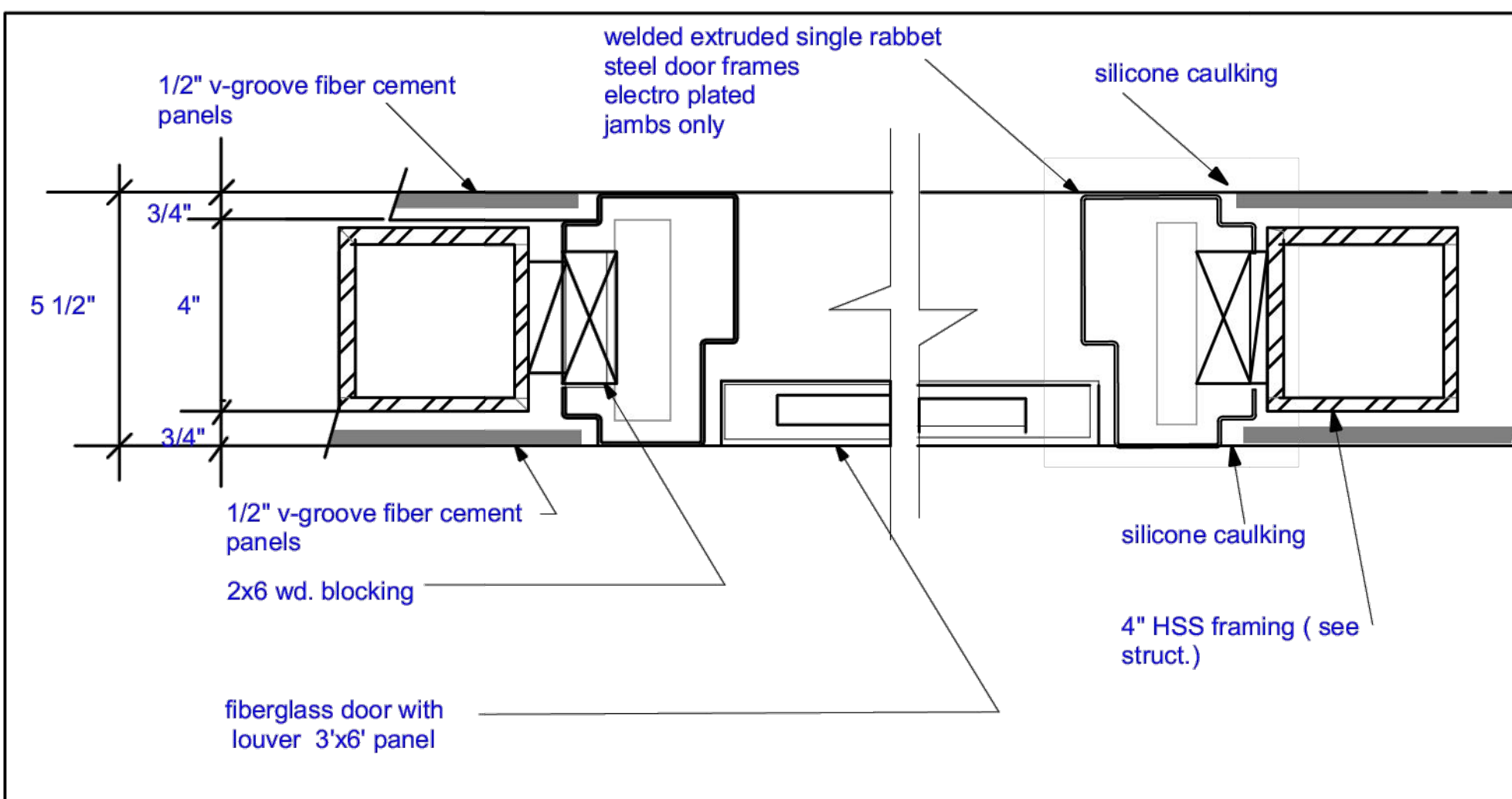
Ab-9a
SHEET 9 OF 17

DOOR TYPES							
TYPE	---	---	---	---	Flush	Custom Door Leaf	Style 11
VIEW							
DIMS	3'-10 1/2"x7'-11 ...	3'-11 1/4"x6'	3'-6"x7'-9"	7'-11 1/4"x6'	3'x8'	---	3'-6"x8'
NOTES	entrance doors	rollup wood slat dr. 12" sill	doors w/lamin.safety glass	rollup wood slat dr. 12" sill	exit doors	fibreglass shower doors	service door laminsafety glass

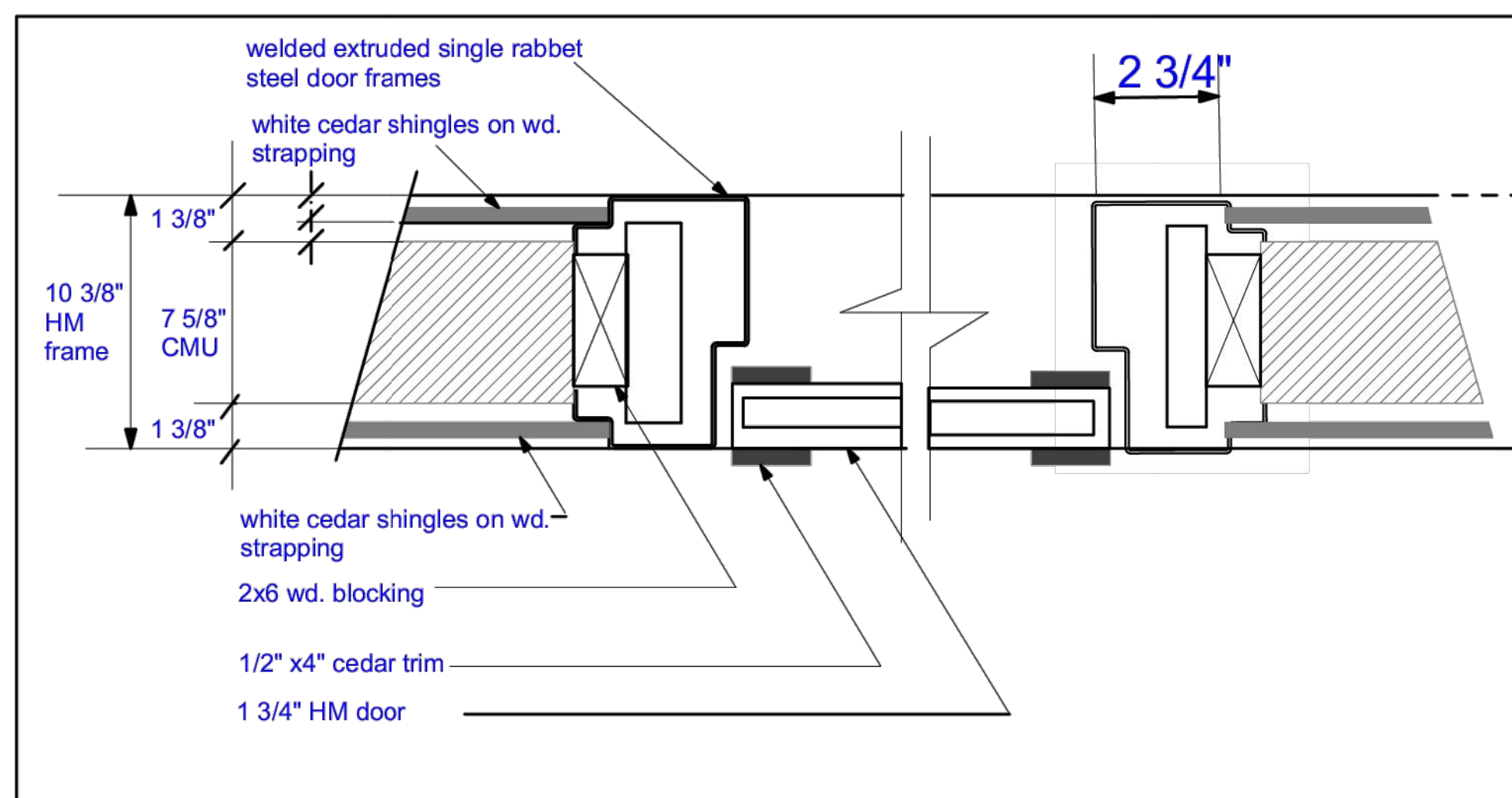
DOOR SCHEDULE											
Name (Attributes)		D07	D08	D09	D09	D09	D10	D10	D12	D13	D14
DOOR	TYPE	---	Style 11	Flush	---	---	Flush	---	---	---	---
	W	4'	3'-6"	3'	4'	8'	3'	4'	8'	4'	4'
	HT	0'	8'	8'	8'	6'	8'	8'	6'	8'	8'
	THK	0'	0'-1 3/4"	0'-1 3/4"	0'-1 3/4"	0'-1 1/2"	0'-1 3/4"	0'-1 1/2"	0'-1 3/4"	0'-1 3/4"	0'-1 1/2"
	MATL	---		HM	---	---	HM	---	---	---	---
FRAME	GLZ	---	lam.safe				lam.safe				
	W	0'-2"	2.00"	2.00"	0'-3"	0'-2"	2.00"	0'-3"	0'-2"	0'-1 1/4"	0'-1 1/4"
	THK	0'	0'-8"	0'-8"	3.94"	0'-4"	0'-8"	3.94"	0'-4"	0'-4"	0'-4"
DETAILS	finish	---	pl.lam,	pl.lam,	pl.lam,		pl.lam,		pl.lam,	pl.lam,	
	JAMB	---									
	SILL	---		ADA thr...		ADA thr...					
HDW SET			lockset	panic b...	lockset	lockset	panic b...	lockset	lockset	lockset	lockset
NOTES		---	service ...	exit doors	doors w...		exit doors	doors w...	rollup w...	entranc...	entrance d...



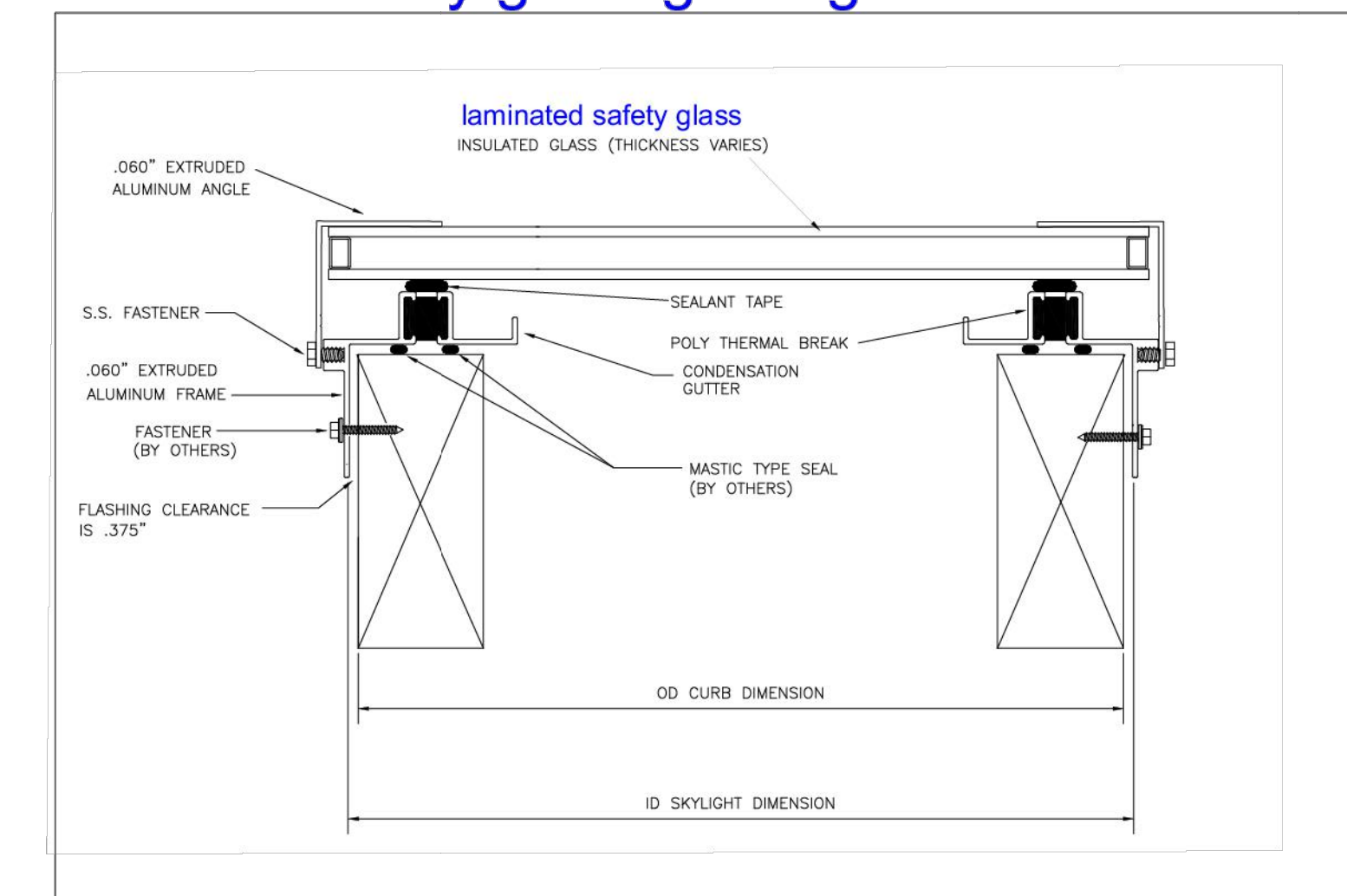
4 Detail - Aluminum Window Frames NTS
A-10 ten units required per bldg.- laminated safety glass glazing



1 Detail - Outdoor Shower Door
A-10 NTS



2 Detail - HM Door Frames
A-10 NTS



3 Section- Typical Aluminum Skylights NTS
A-10 eight units required per bldg see roofing details on dwg. Ab-5a

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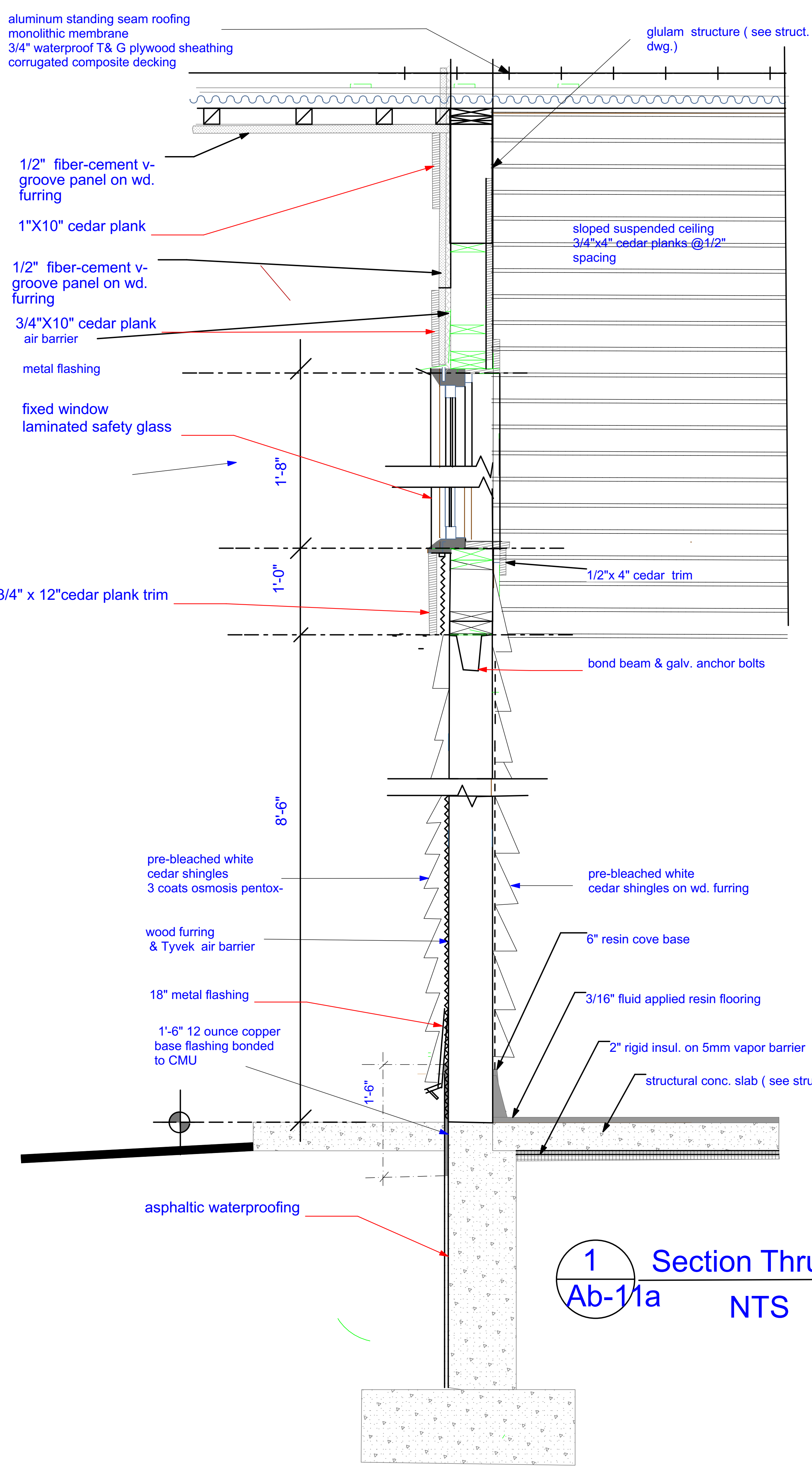
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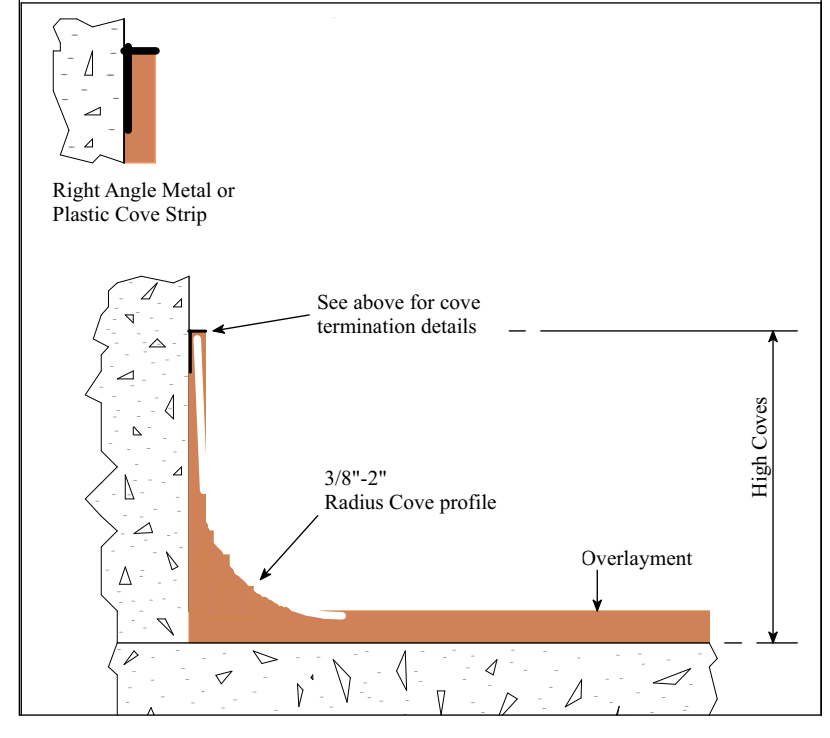
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SHEET TITLE
Doors & Frames
Ab-10 a
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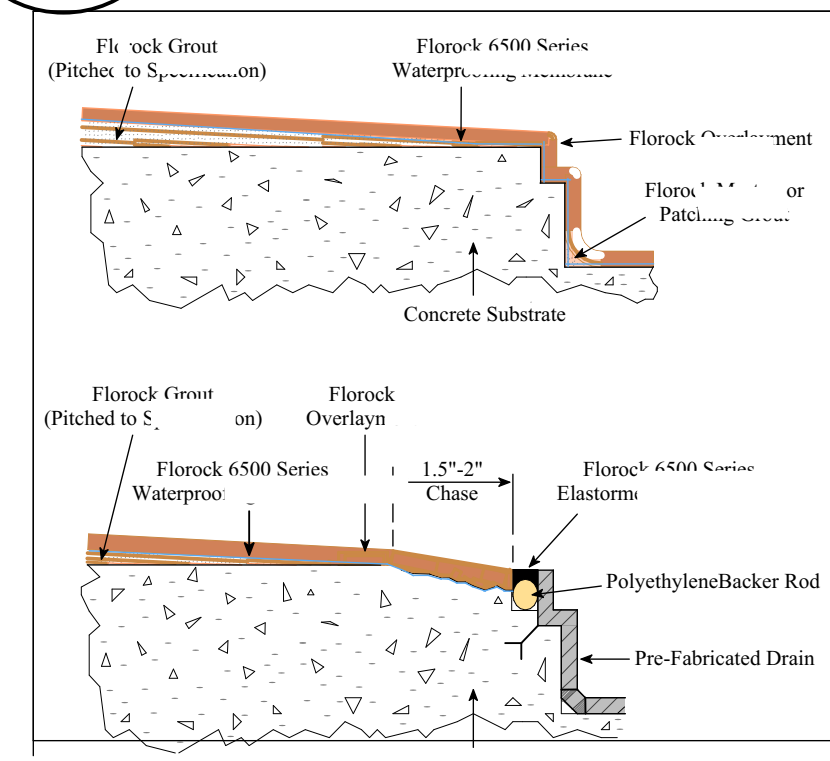
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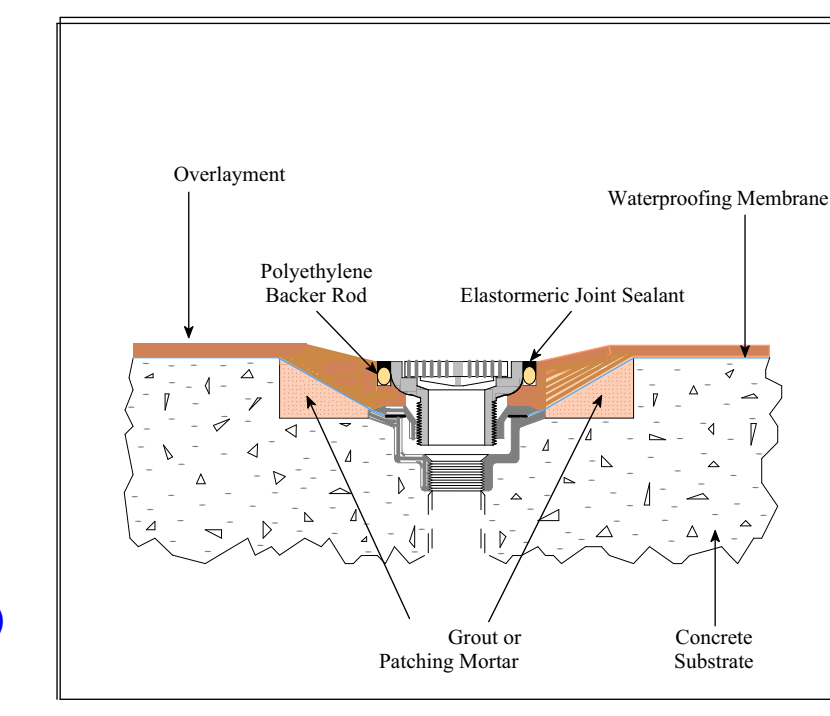
1 Section Thru Front Wall
Ab-11a NTS



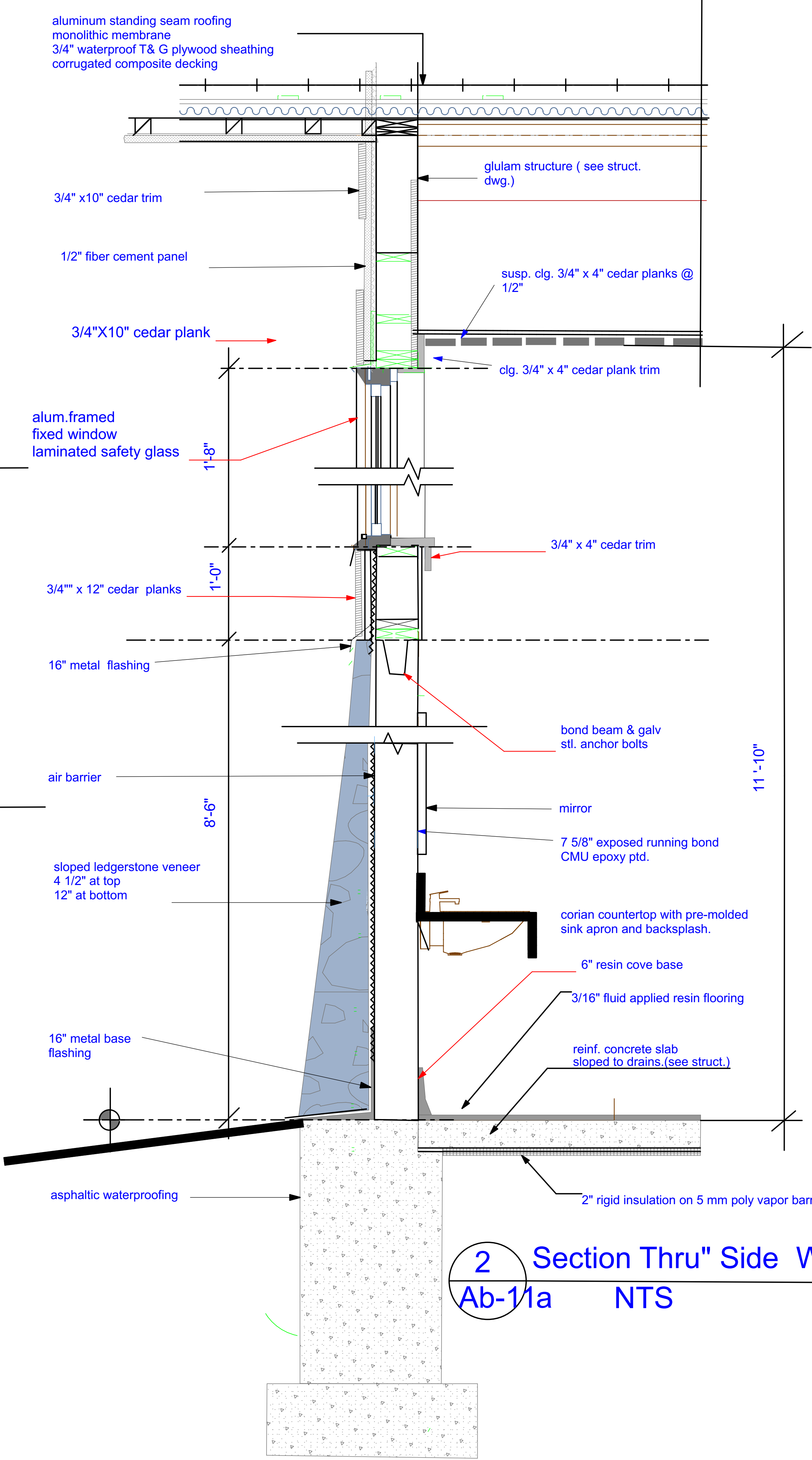
3 Typical Cove Base
A-11 Detail -NTS



4 Flooring at Drain
A-11 Detail -NTS



5 Flooring at Drain
A-11 Detail -NTS



2 Section Thru Side Wall
Ab-11a NTS

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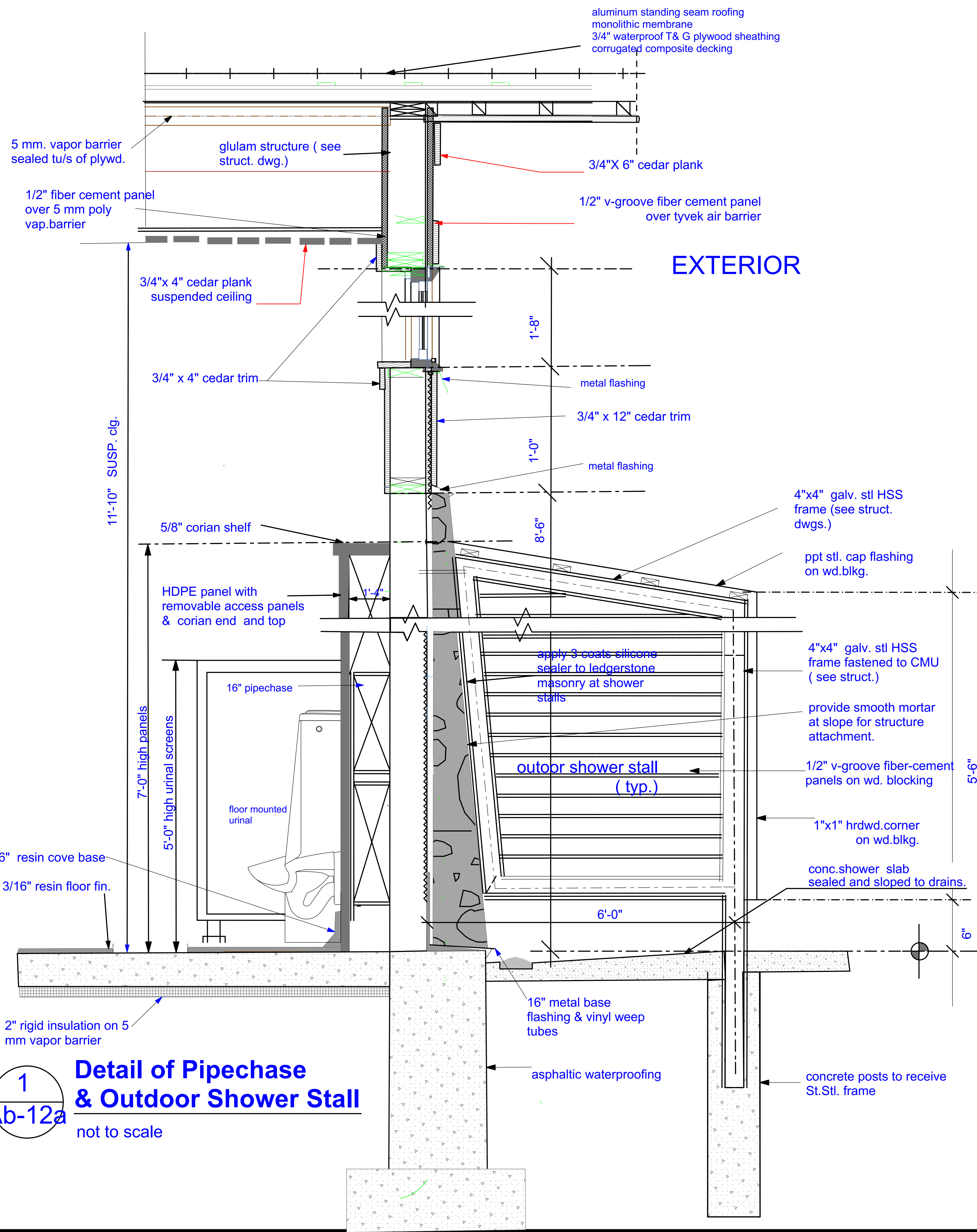
SHEET TITLE

Exterior Wall Sections

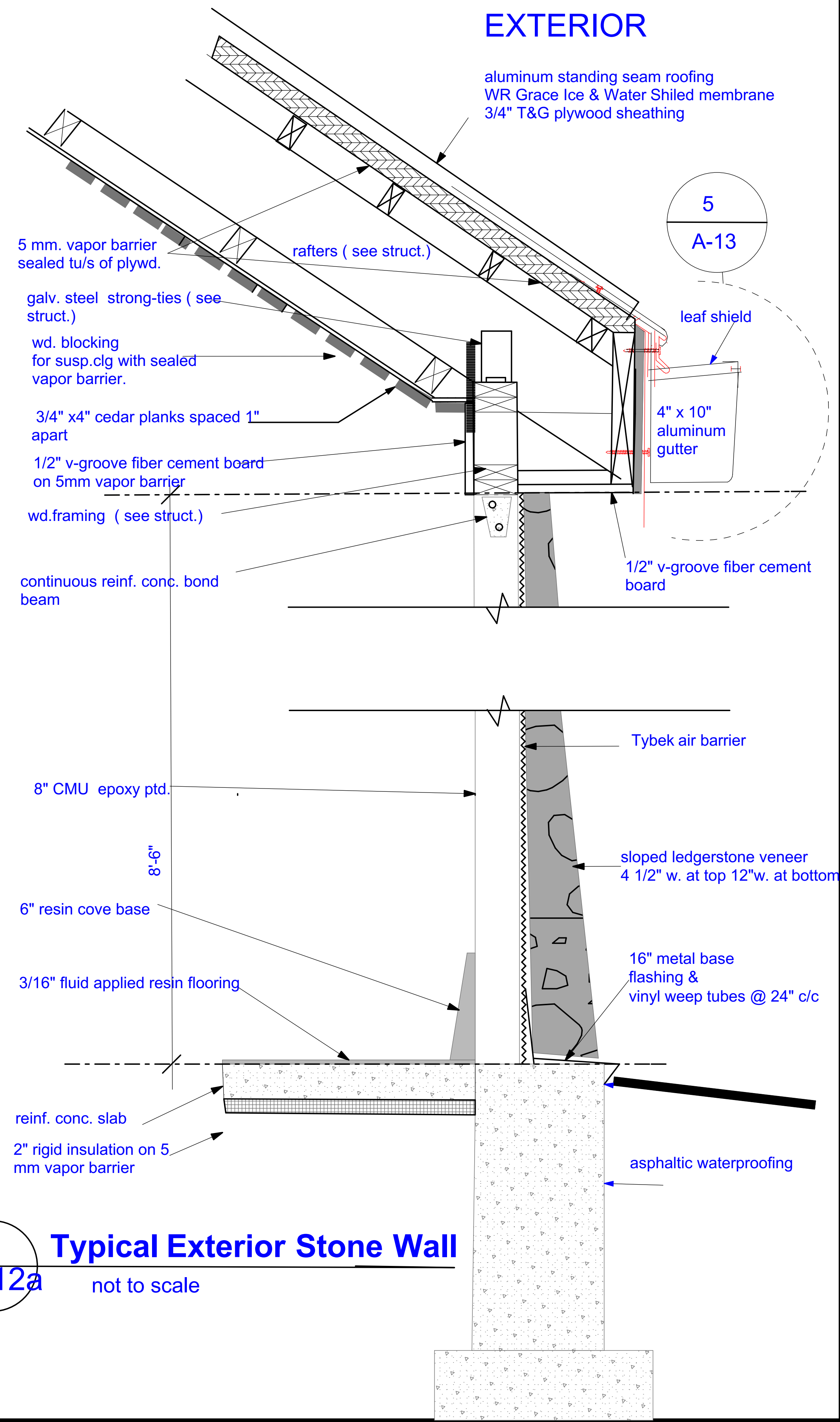
Ab-11a
SHEET 11 OF 17

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1
Ab-12a
Detail of Pipechase & Outdoor Shower Stall
not to scale



2
Ab-12a
Typical Exterior Stone Wall
not to scale

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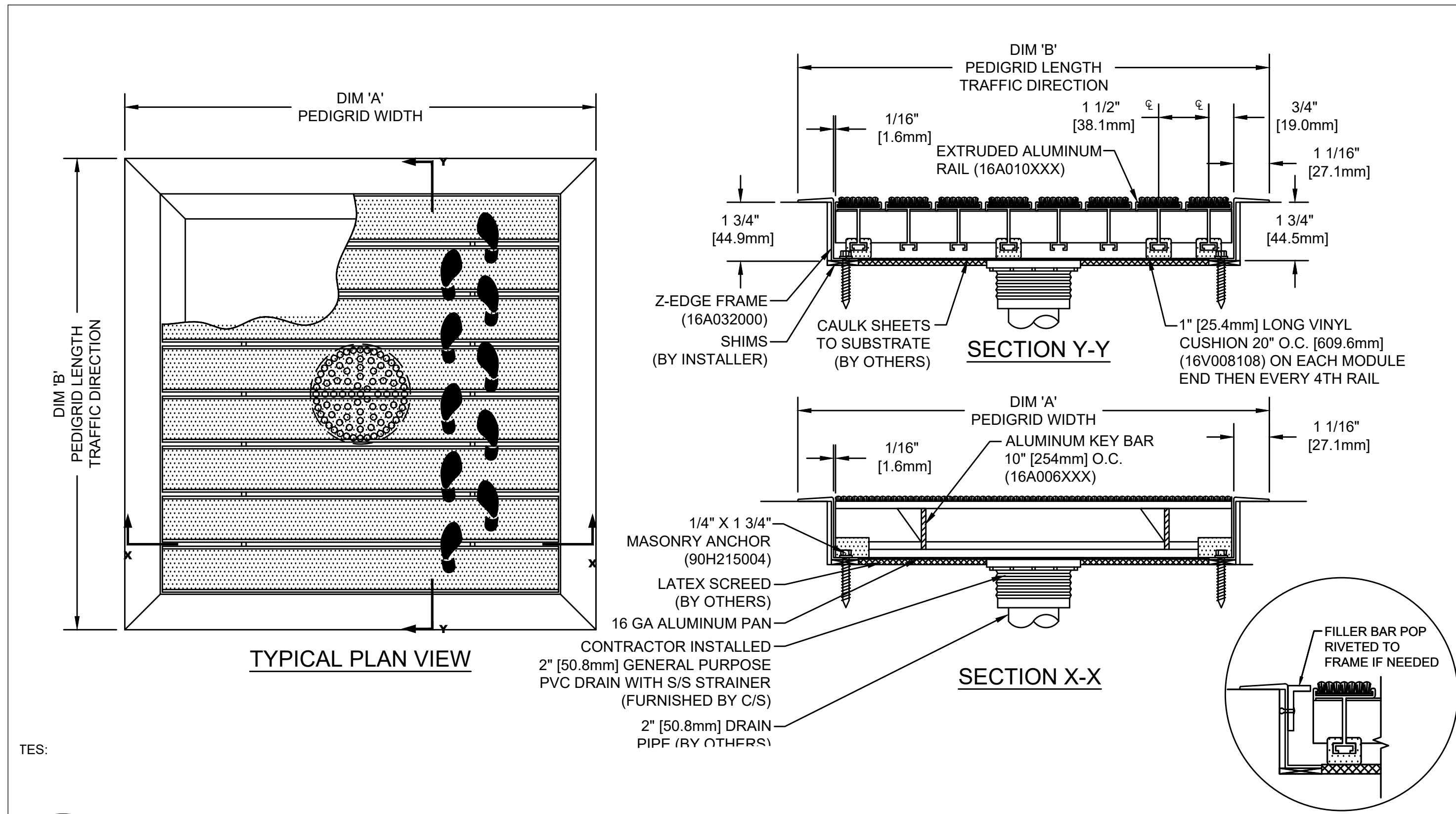
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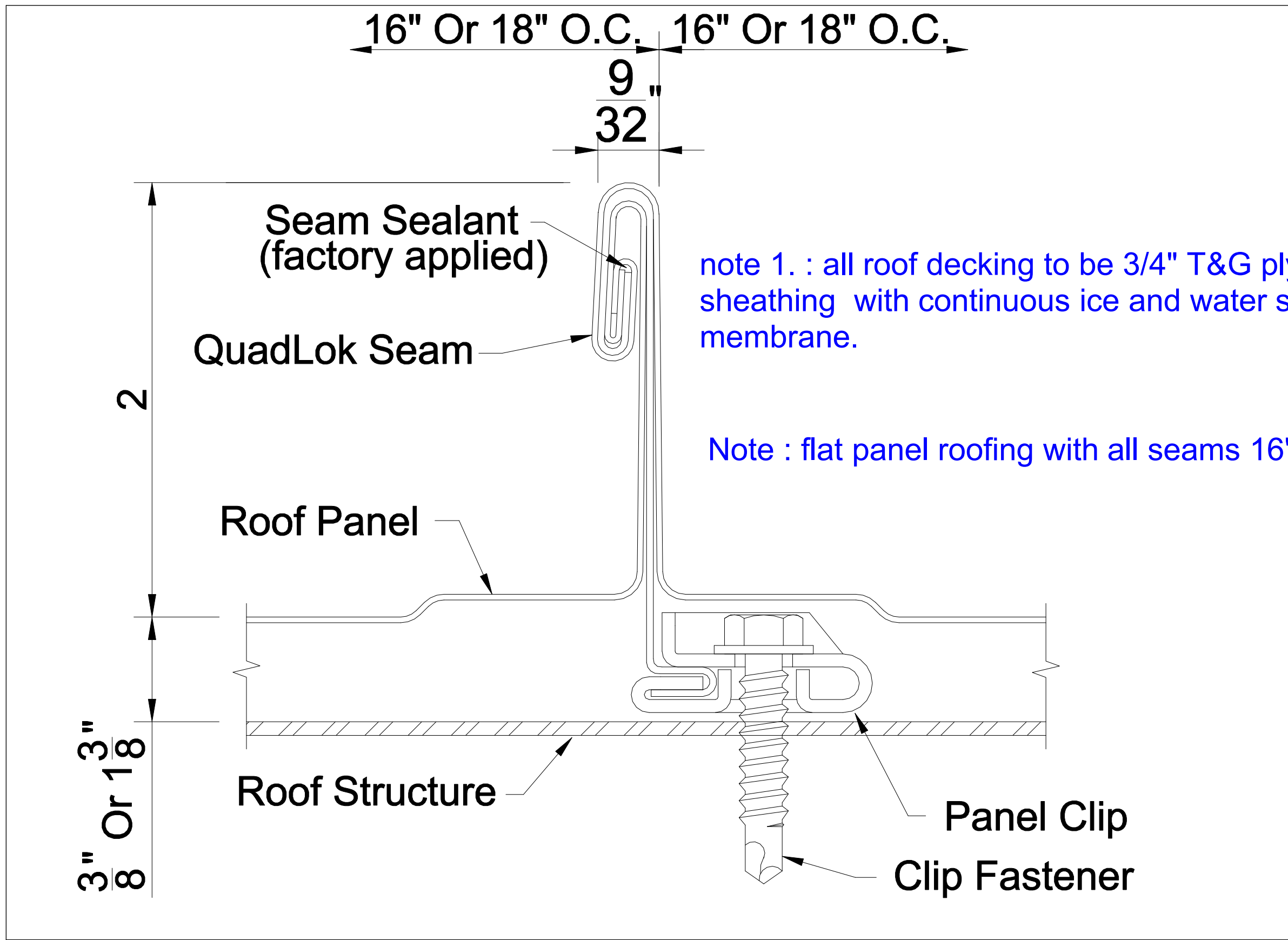
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WALL Sections

Ab-12a
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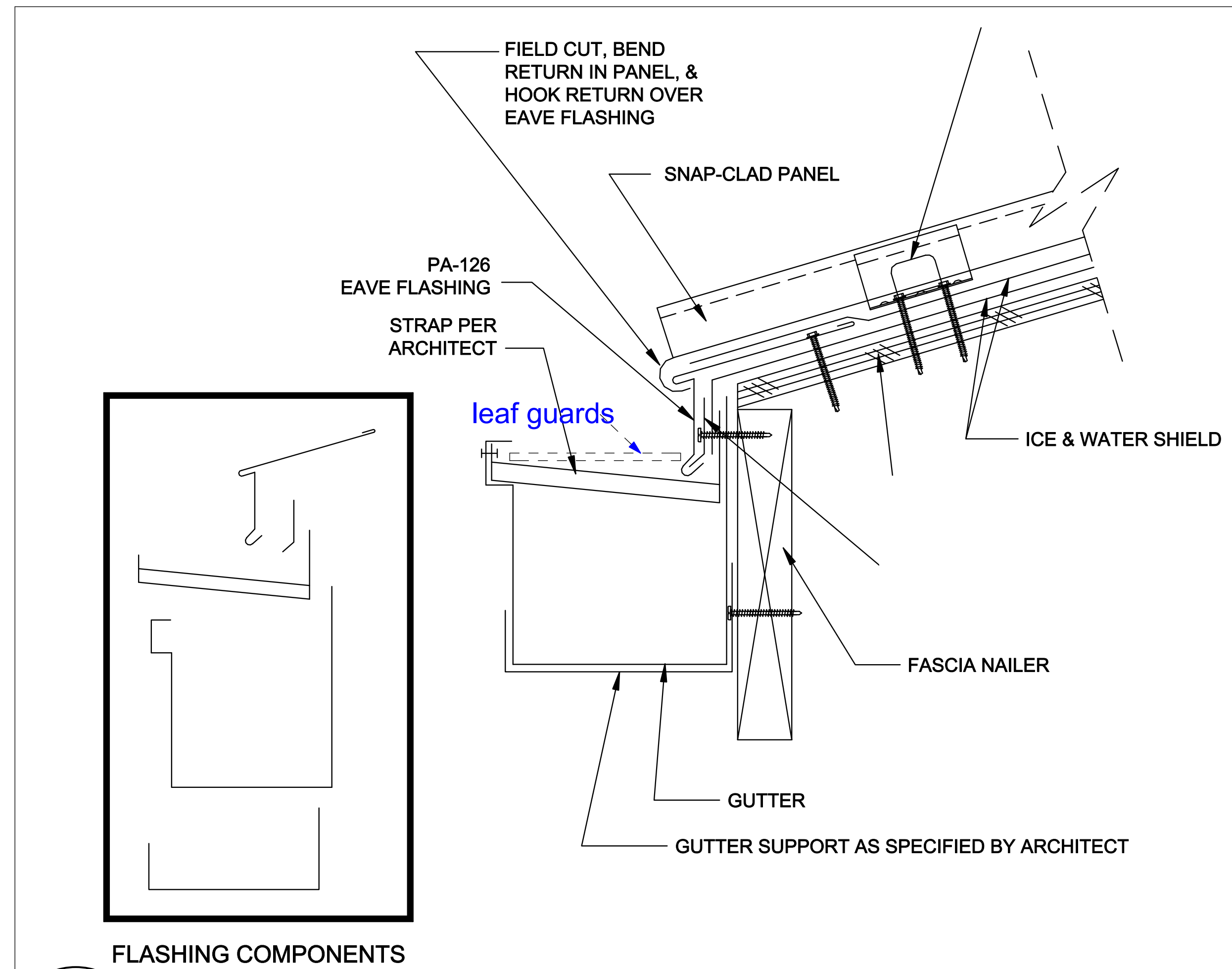
1
Ab-13a **Detail: Recessed Entrance Floor Grills : not to scale**
note : see Floor Plan A-2 & Ab-2a for sizes and locations



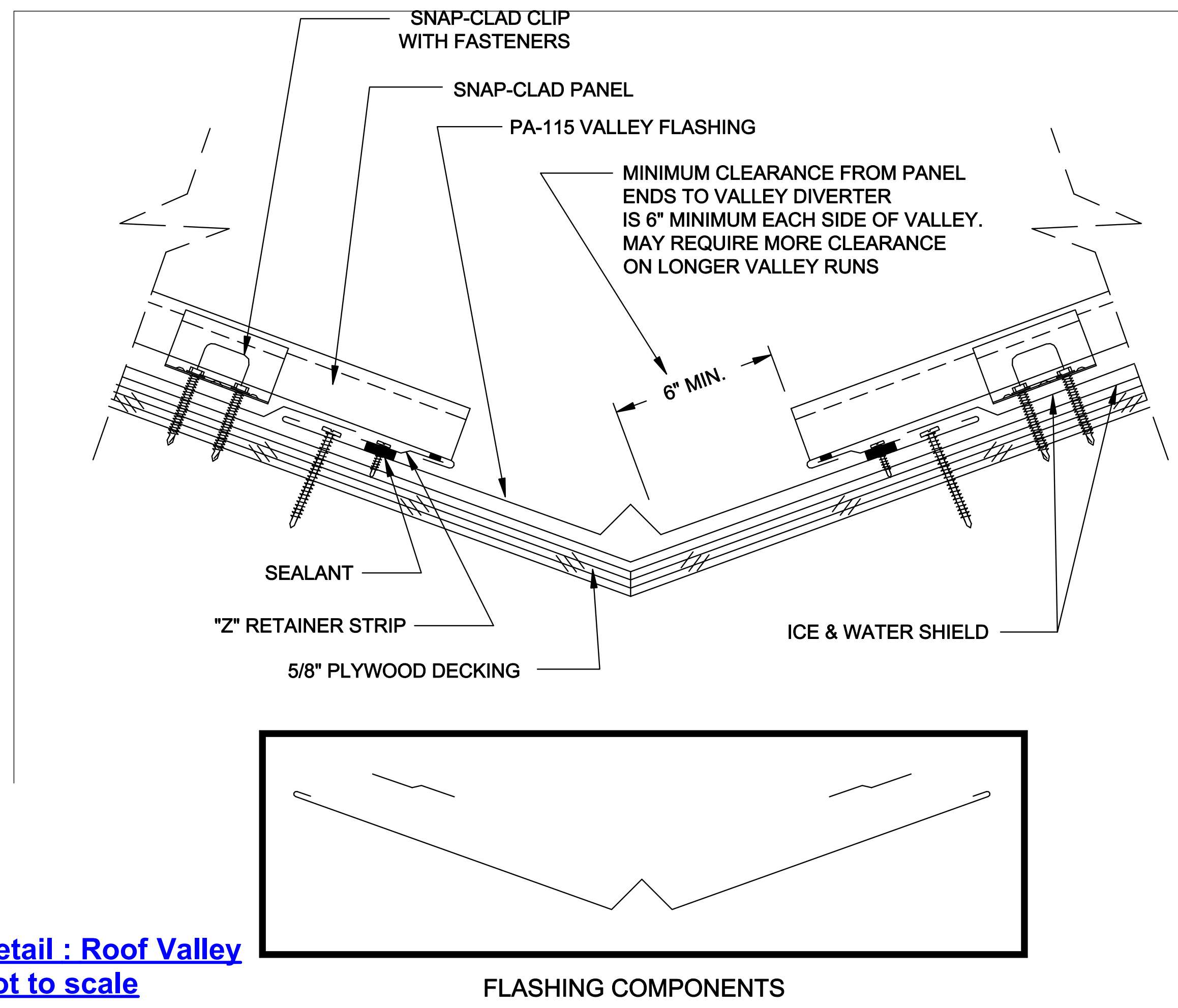
2
Ab-13a **Detail : Standing Seam Roof**
not to scale

note 1. : all roof decking to be 3/4\" T&G plywood sheathing with continuous ice and water shield membrane.

Note : flat panel roofing with all seams 16\" c/c



3
Ab-13a **Detail : Roof Gutters**
not to scale



4
Ab-13a **Detail : Roof Valley**
not to scale

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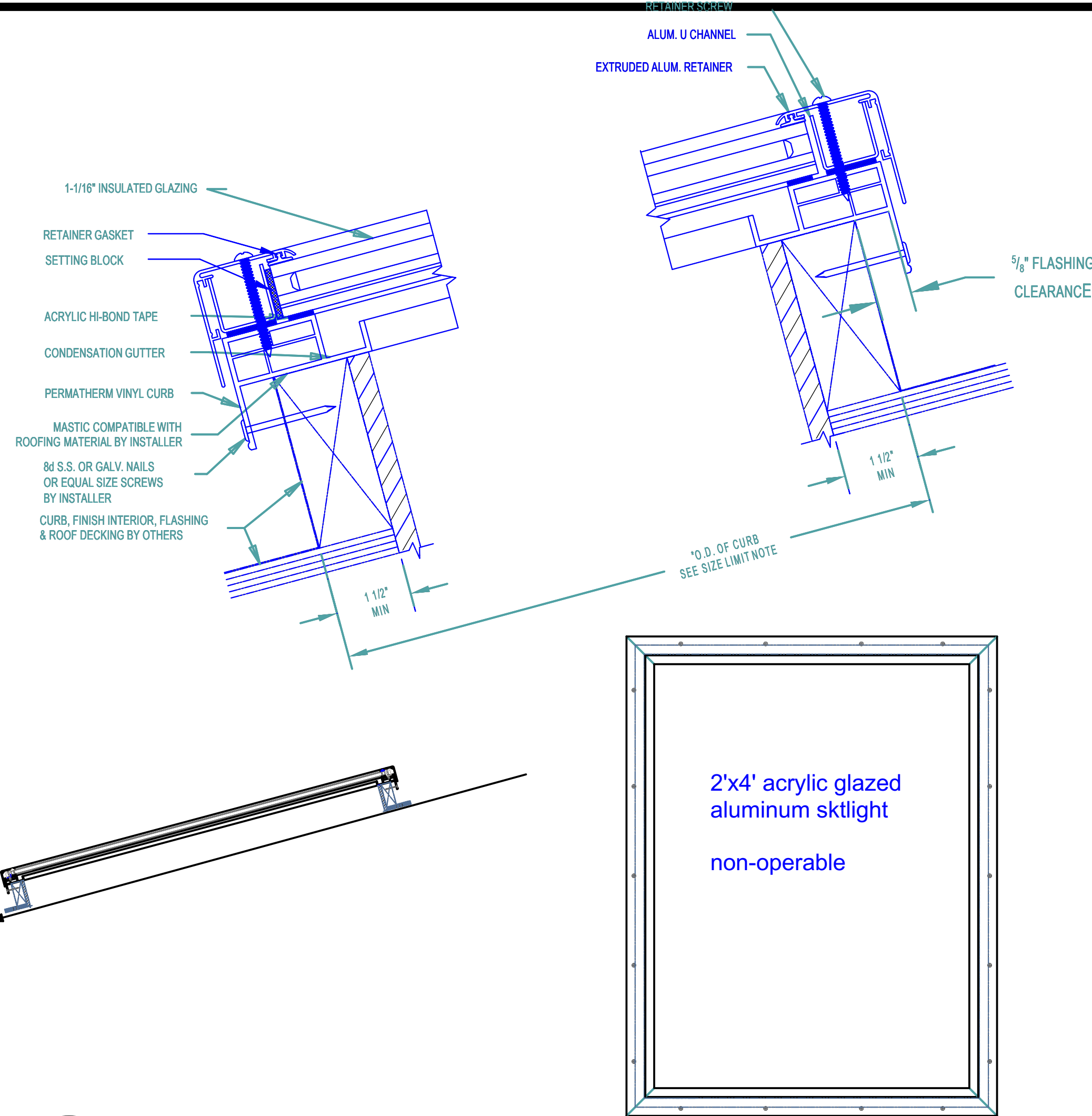
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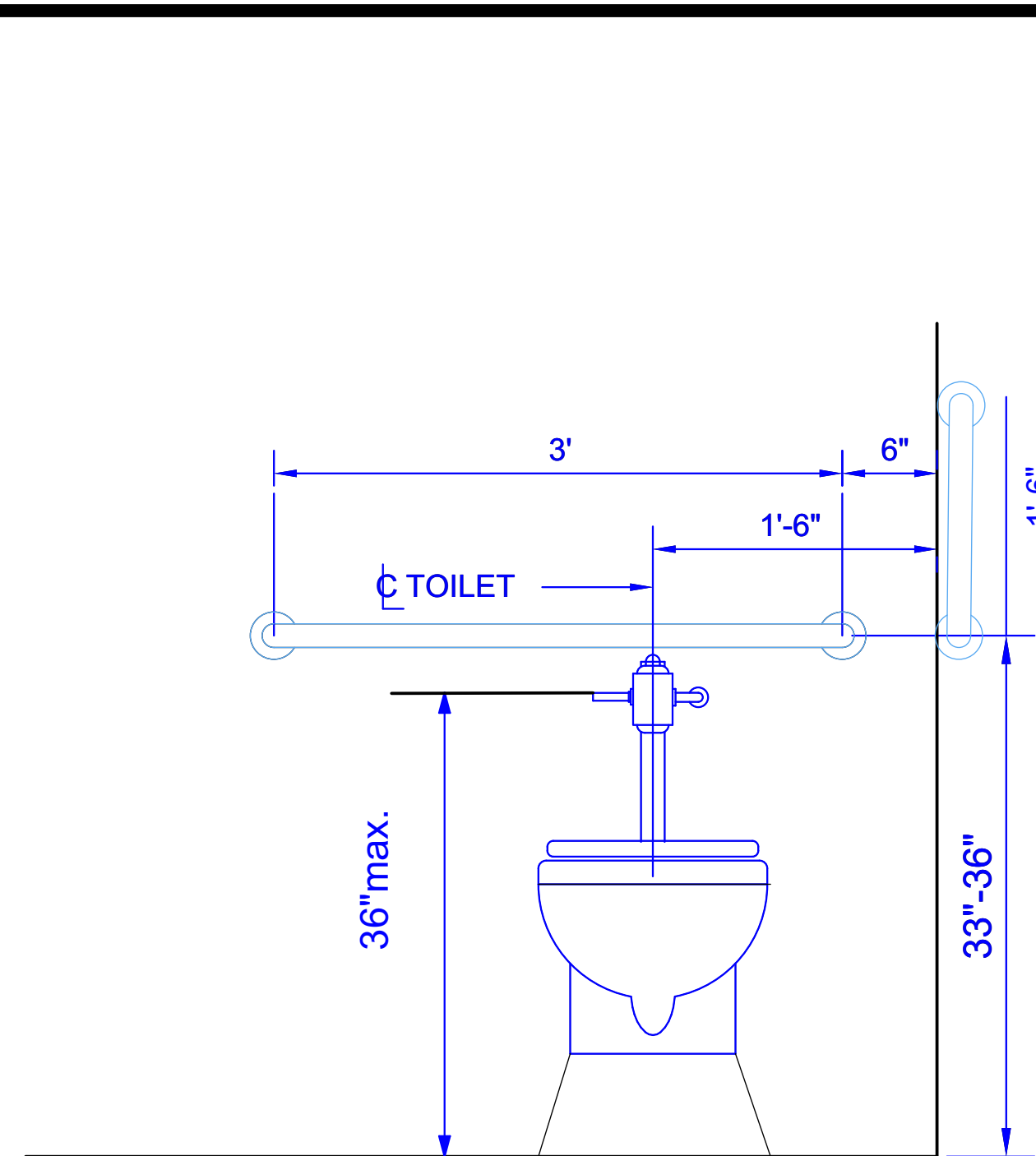
Miscellaneous DETAILS

Ab-13 a
SHEET 13 OF 17

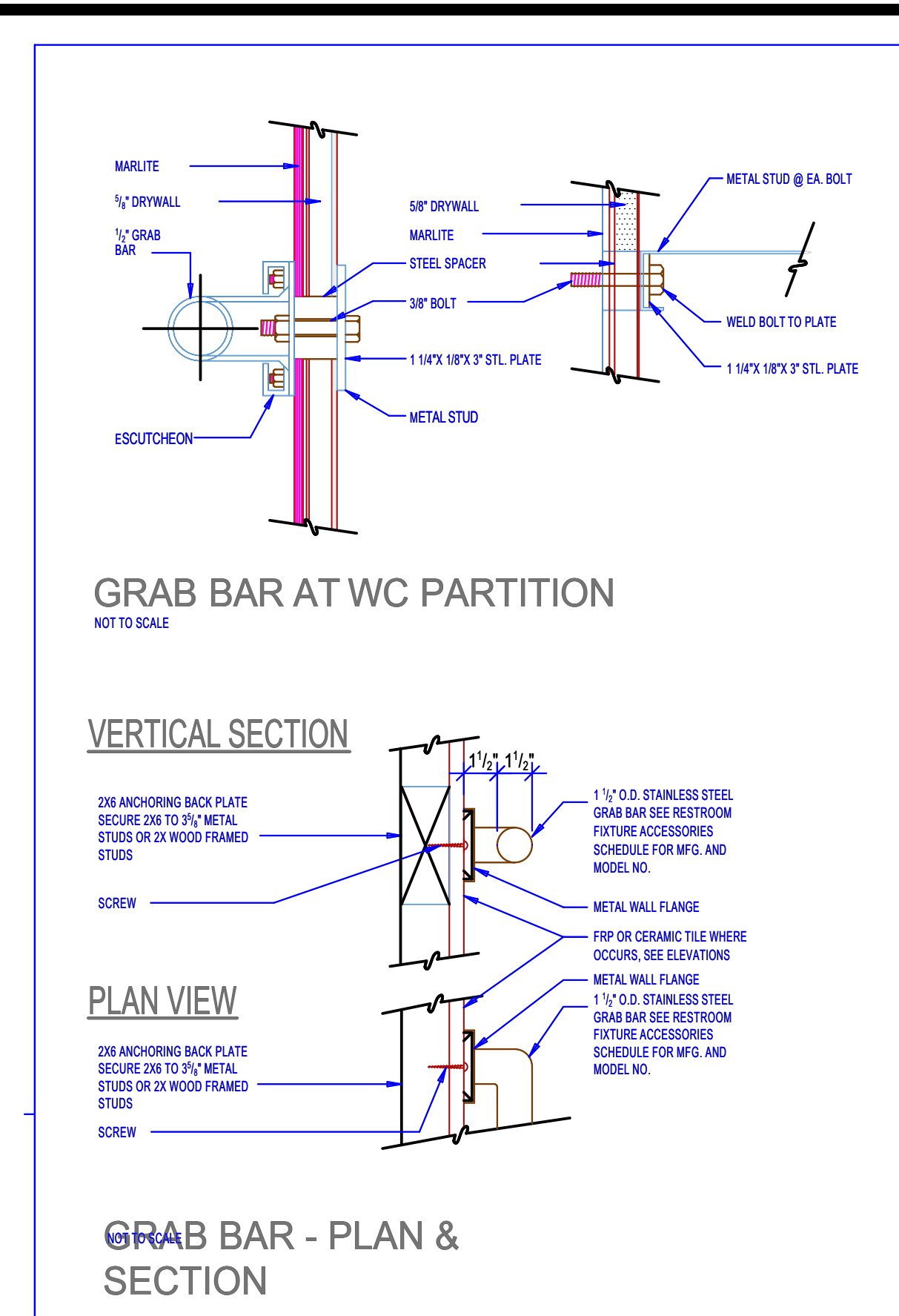
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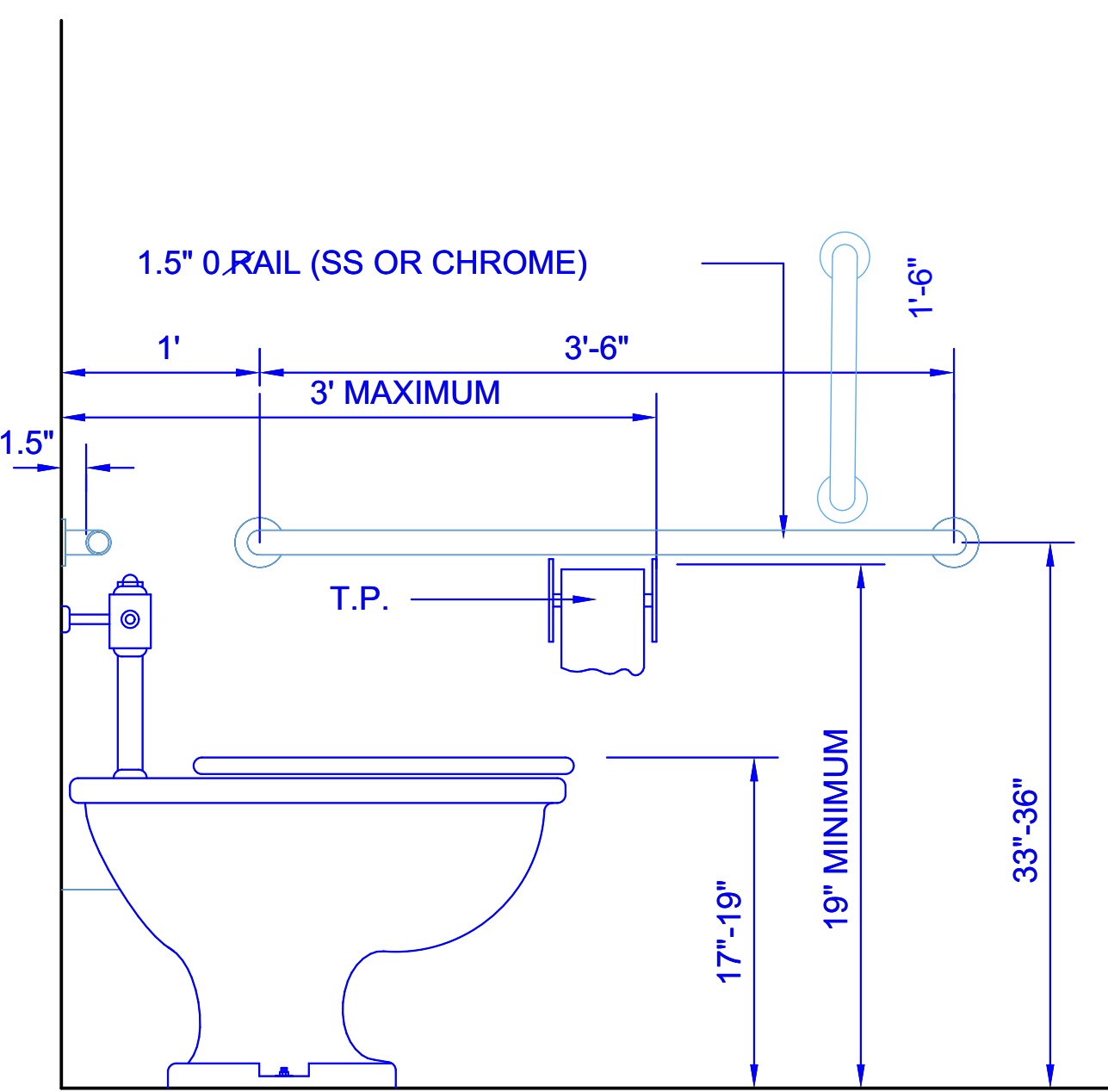
1 Detail: Roof Skylight :
Ab-14a not to scale (see A-3 Roof Plan)



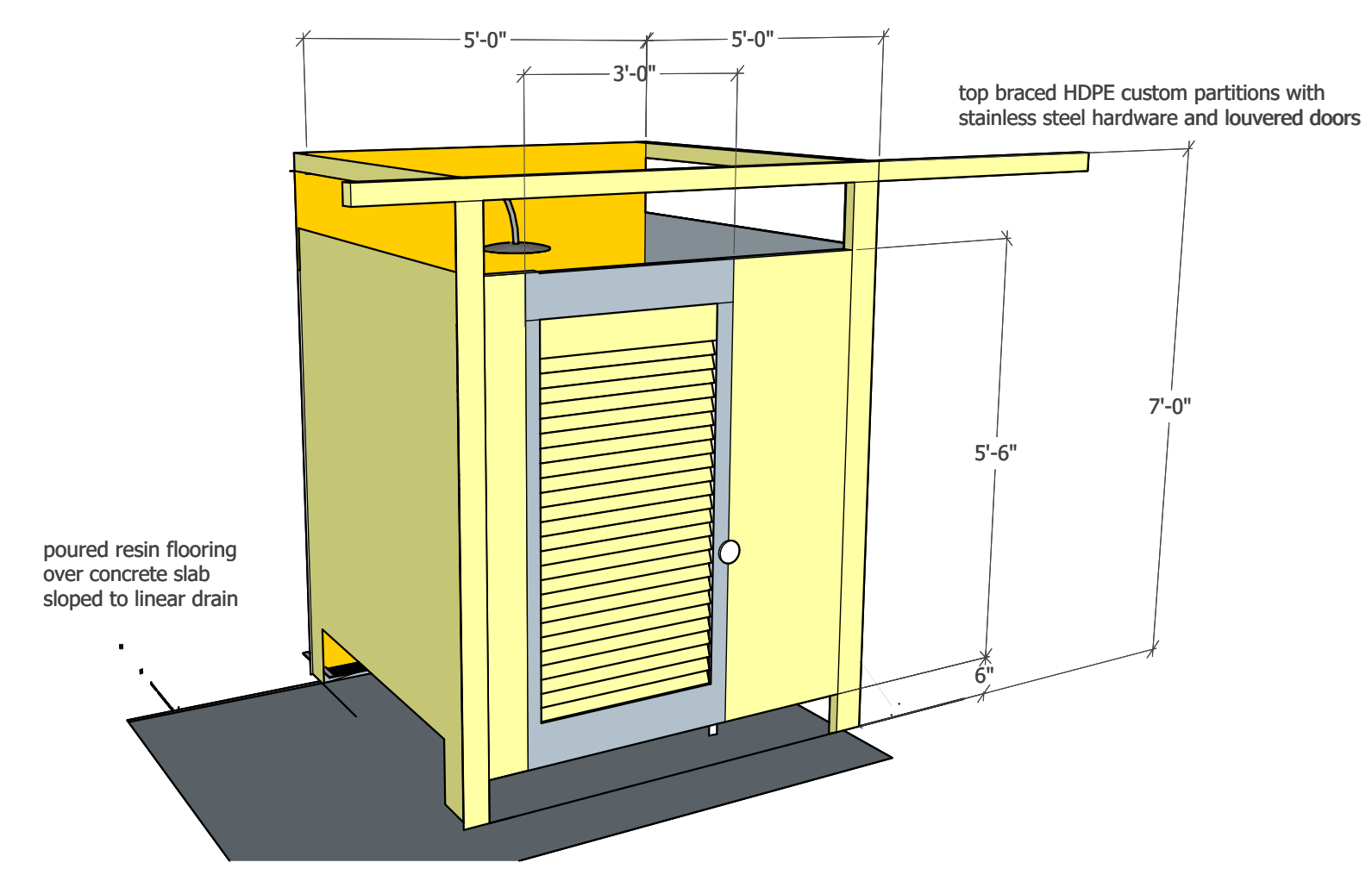
4 Detail: WC Grab-bars
Ab-14a not to scale



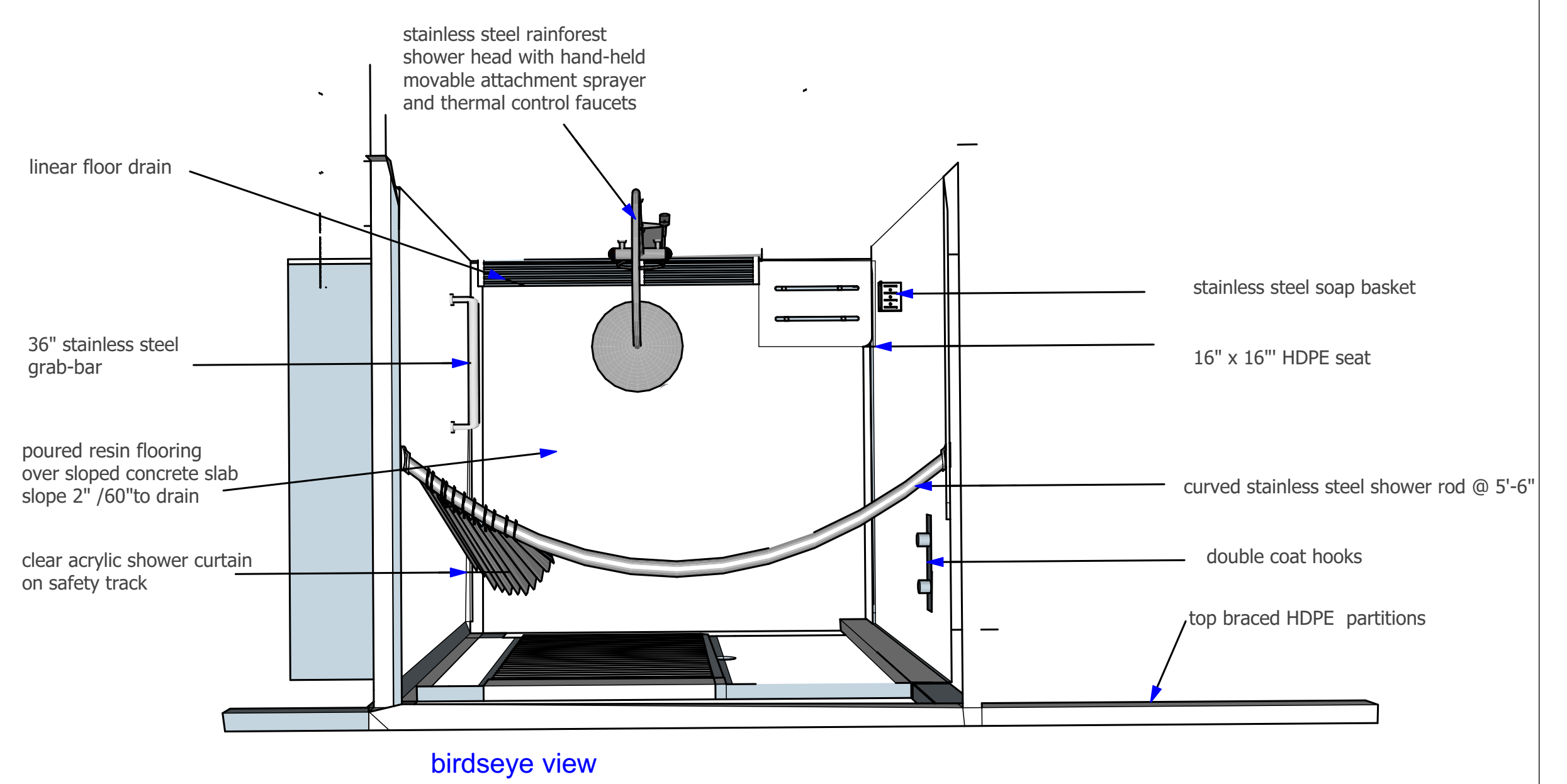
1 Detail: Bracing for Grab-bars not to scale



2 Detail: WC Grab-bars
Ab-14a not to scale



3 Detail: Typical Shower Stall
Ab-14a not to scale



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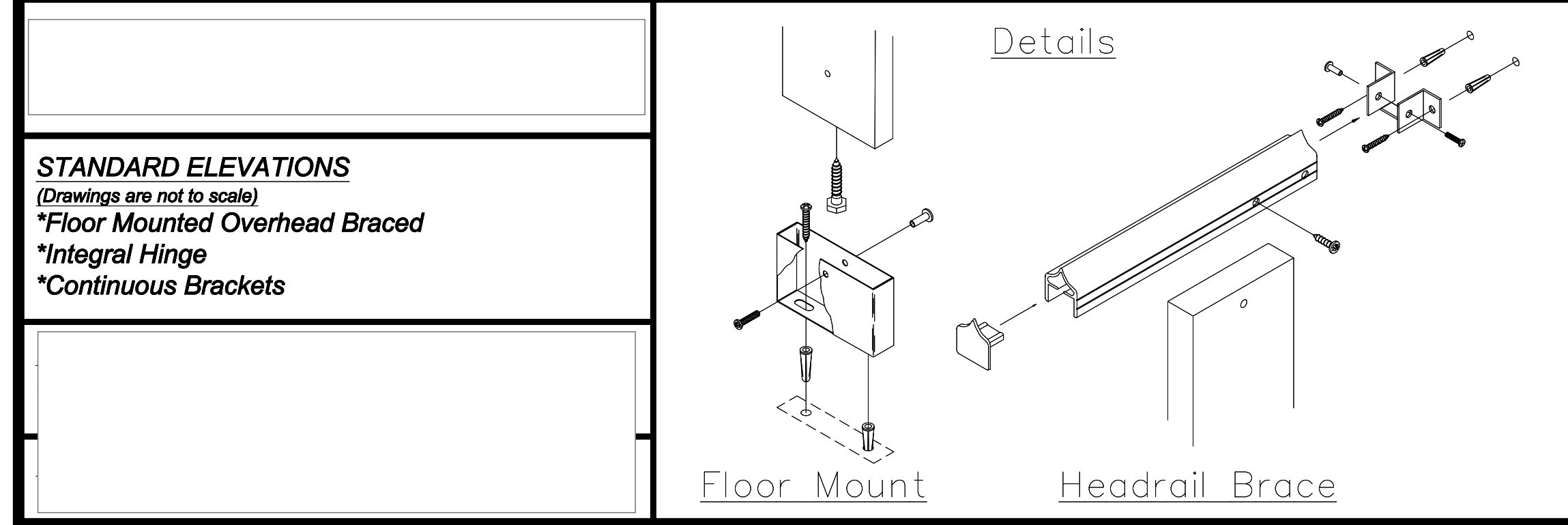
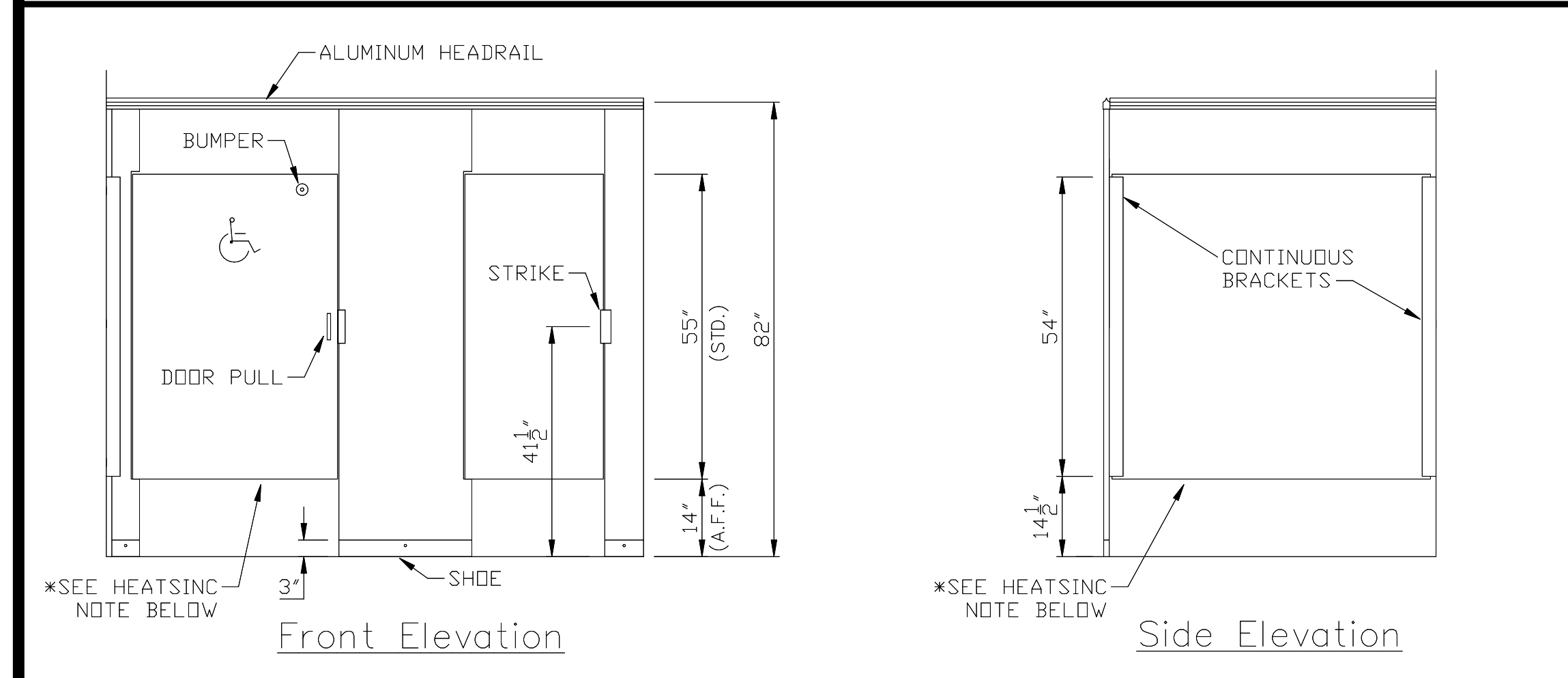
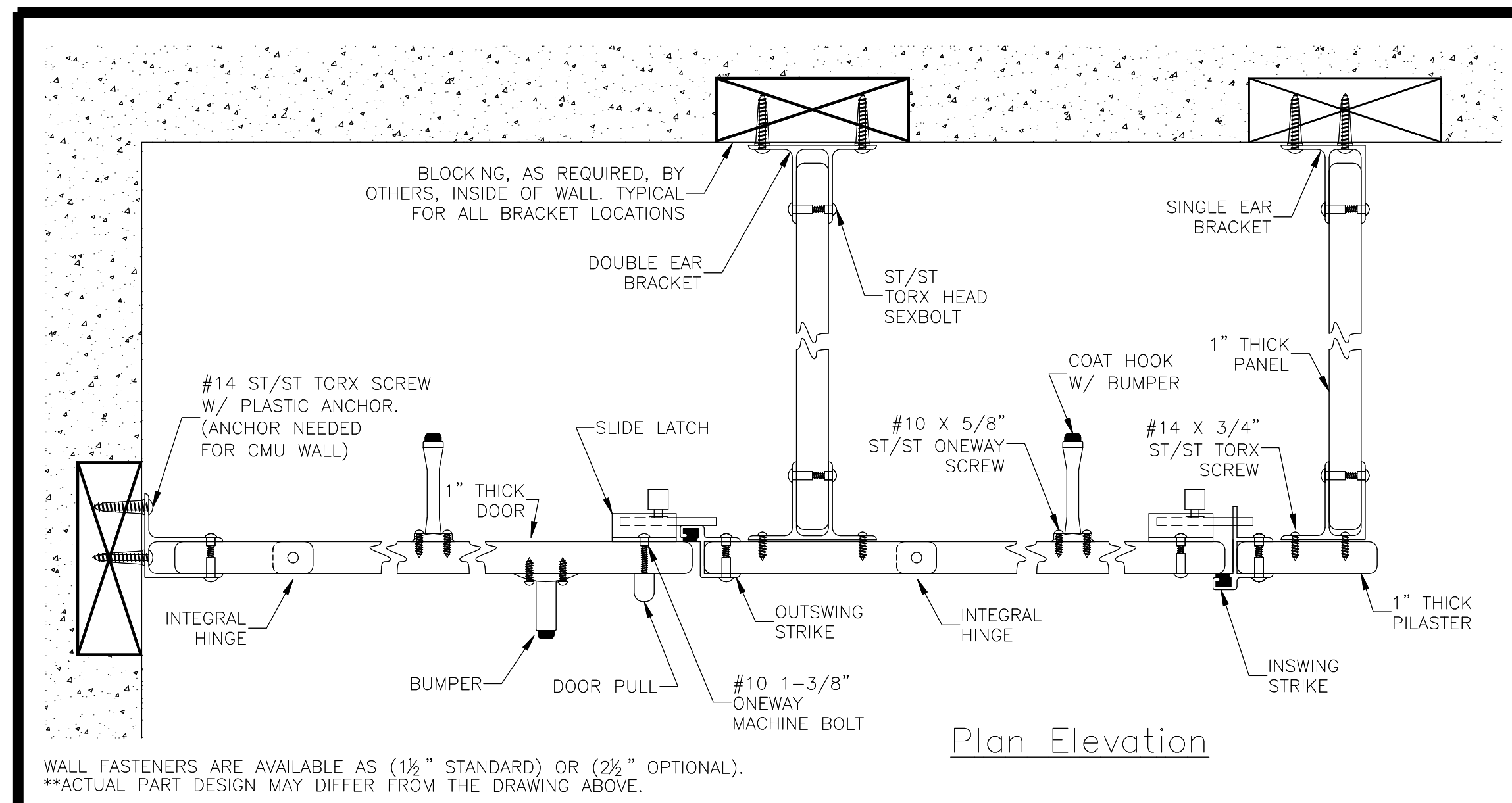
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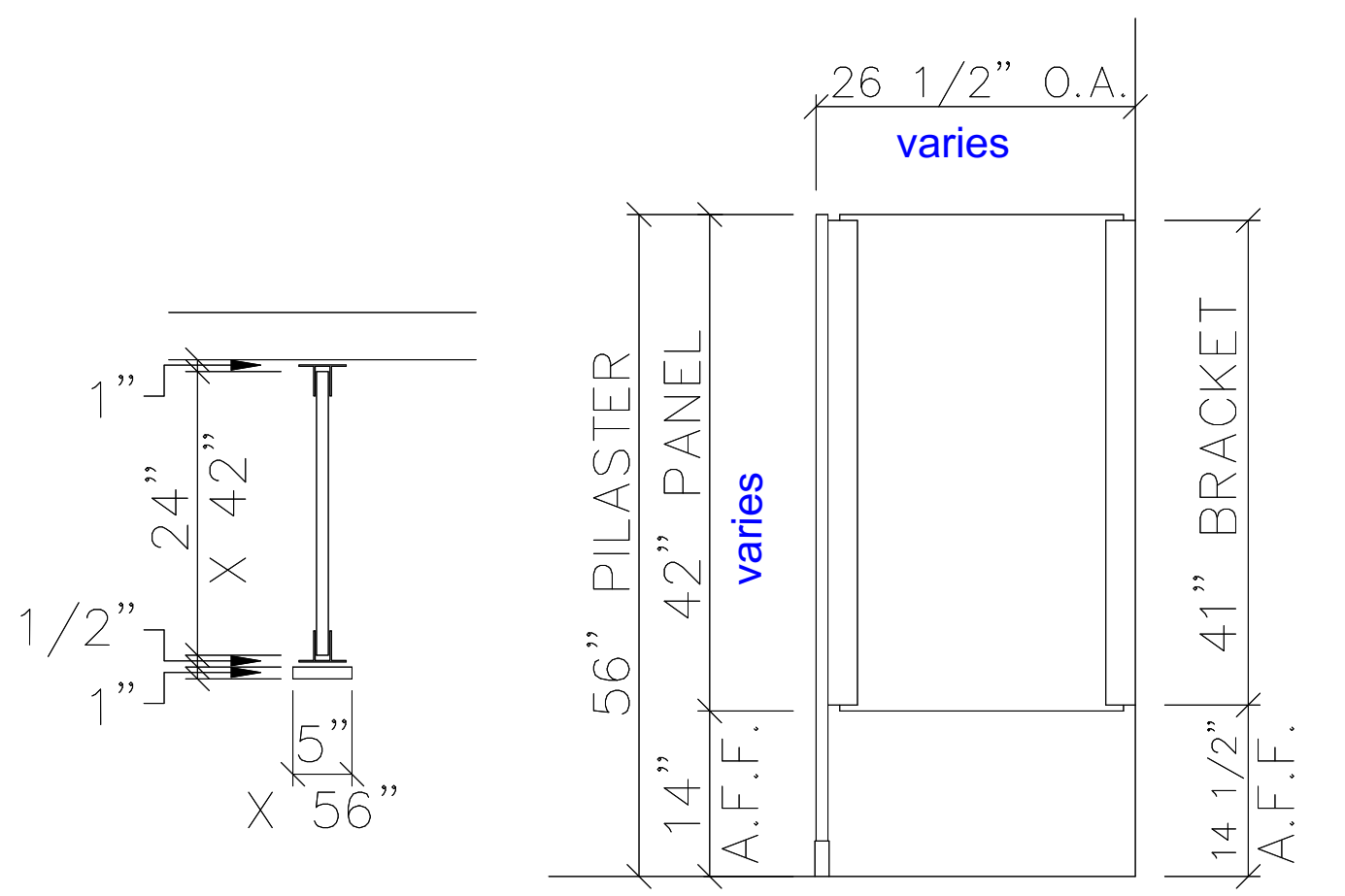
PROJECT NO:
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SHEET TITLE
Miscellaneous Details

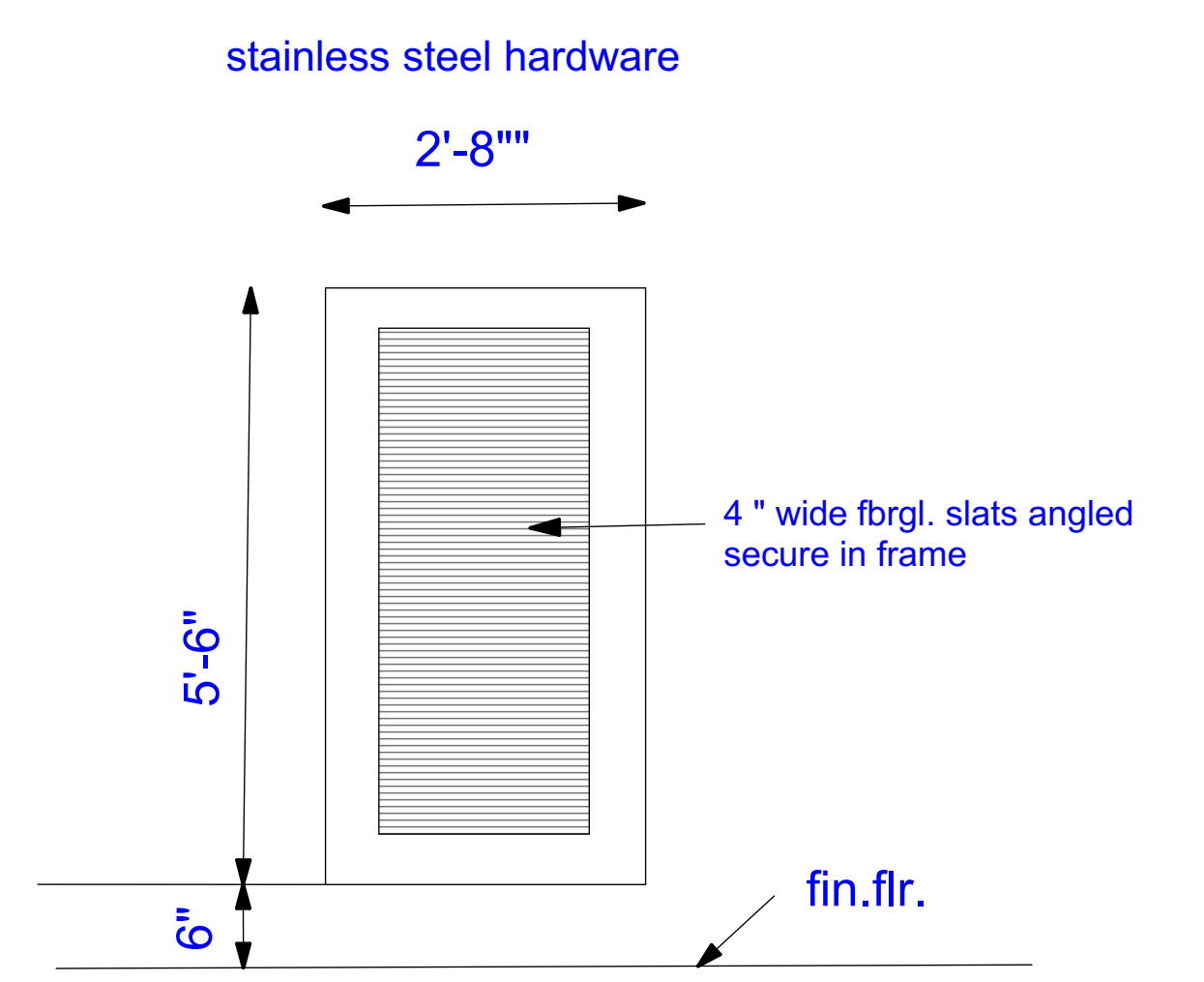
Ab-14 a
SHEET 14 OF 17



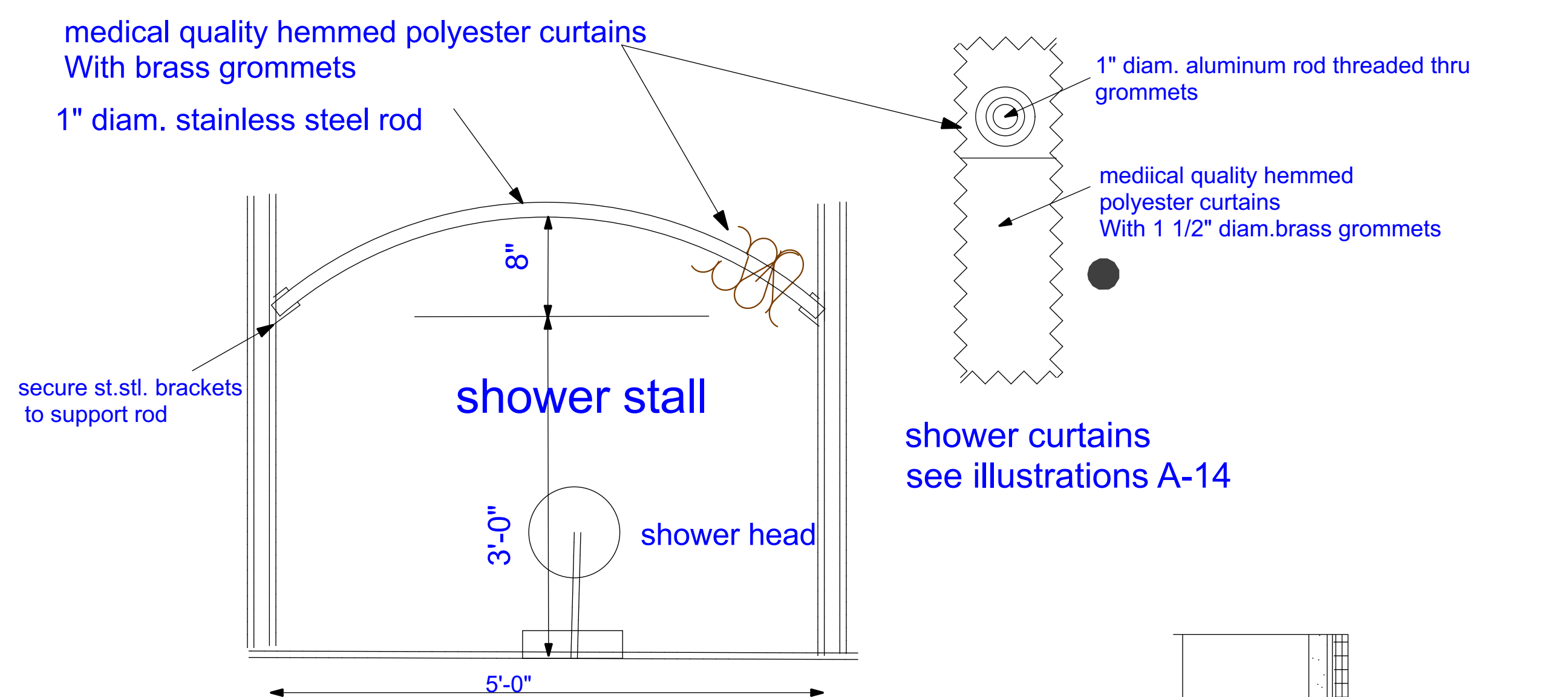
1 Toilet stalls- typical framing
Ab-15a details - NTS



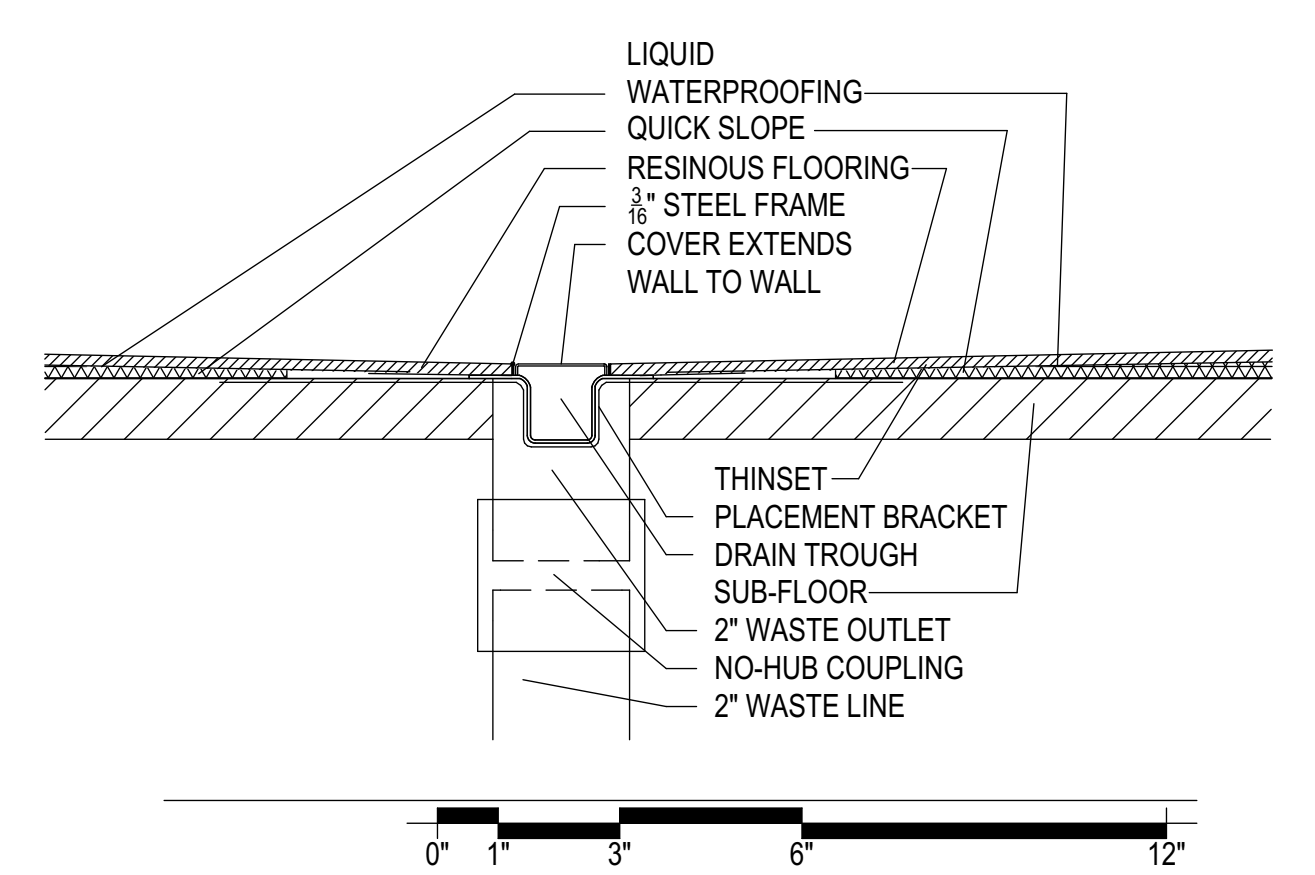
2 Urinal screens- typical framing
Ab-15a details - NTS



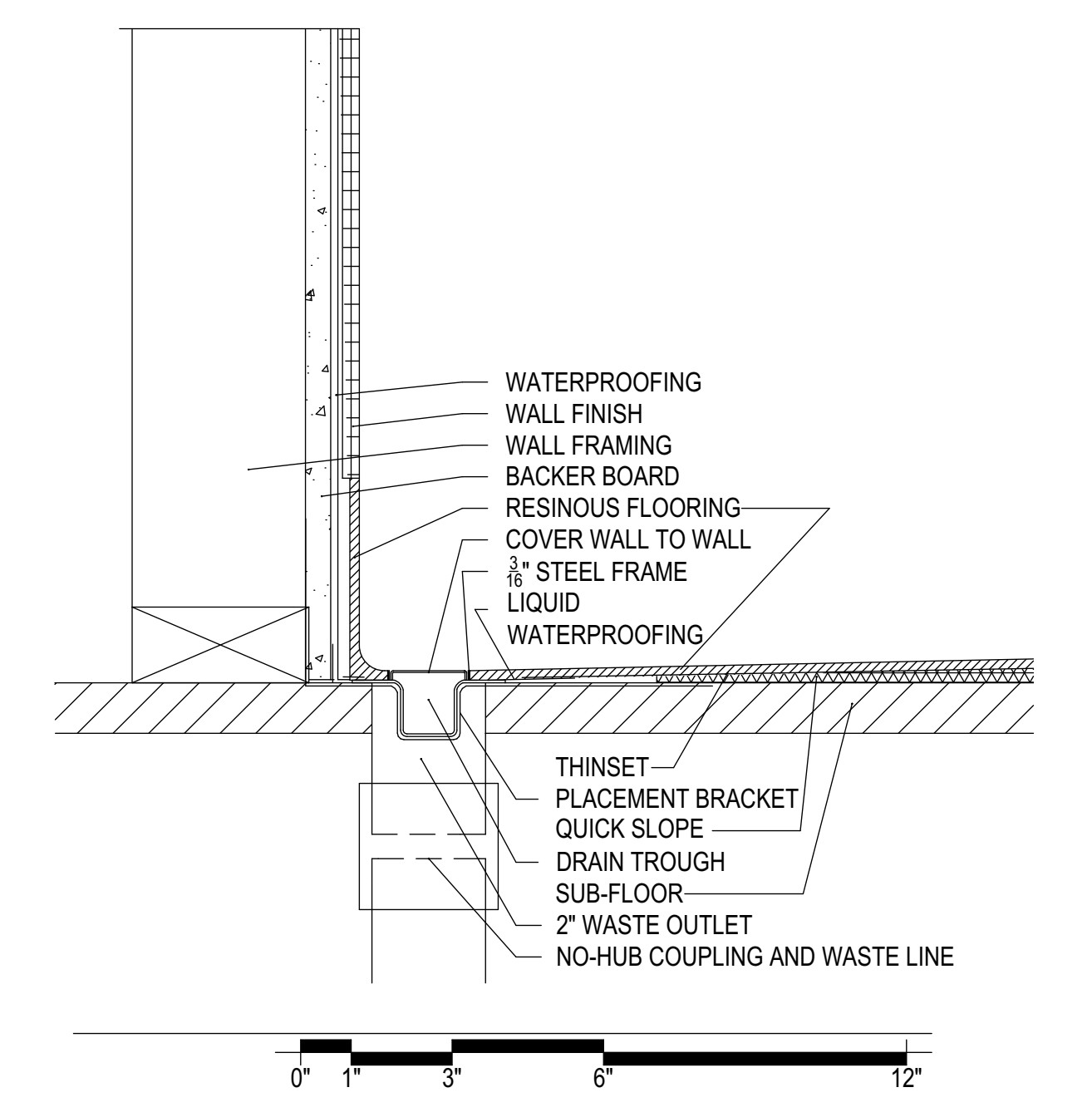
3 fiberglass shower doors & Ab-15a louvers



4 Curved aluminum shower rods & hookless nylon curtains - NTS



5 Floor Drains - typical Resin Flooring Details - NTS



6 Linear Floor Drains- shower stalls & Resin Flooring Details - NTS

Caputo & Wick Ltd.
1150 Pawtucket Ave
Rumford
RI.02916-1897,

George S. Burman, Architect
66 Highland Rd.
Bristol, RI. 02809



Bath-Houses Main Camp, Fish Camp & Legion Town

Burlingame State Park Bathouses

RI- Department of Environmental Management

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SHEET TITLE
Bathm Partitions & Details

Ab-15a
SHEET 15 OF 17

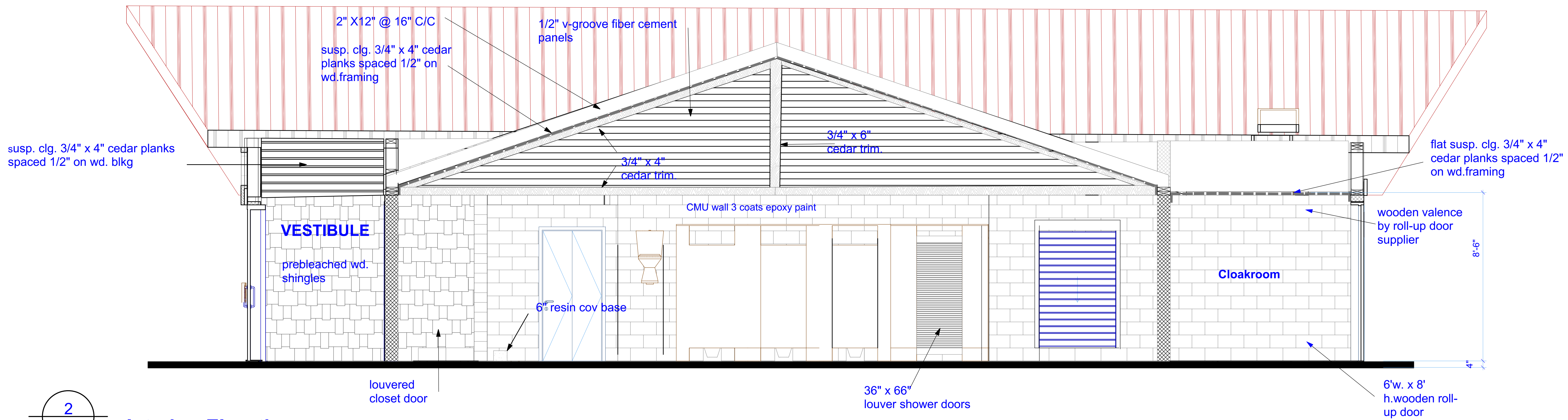
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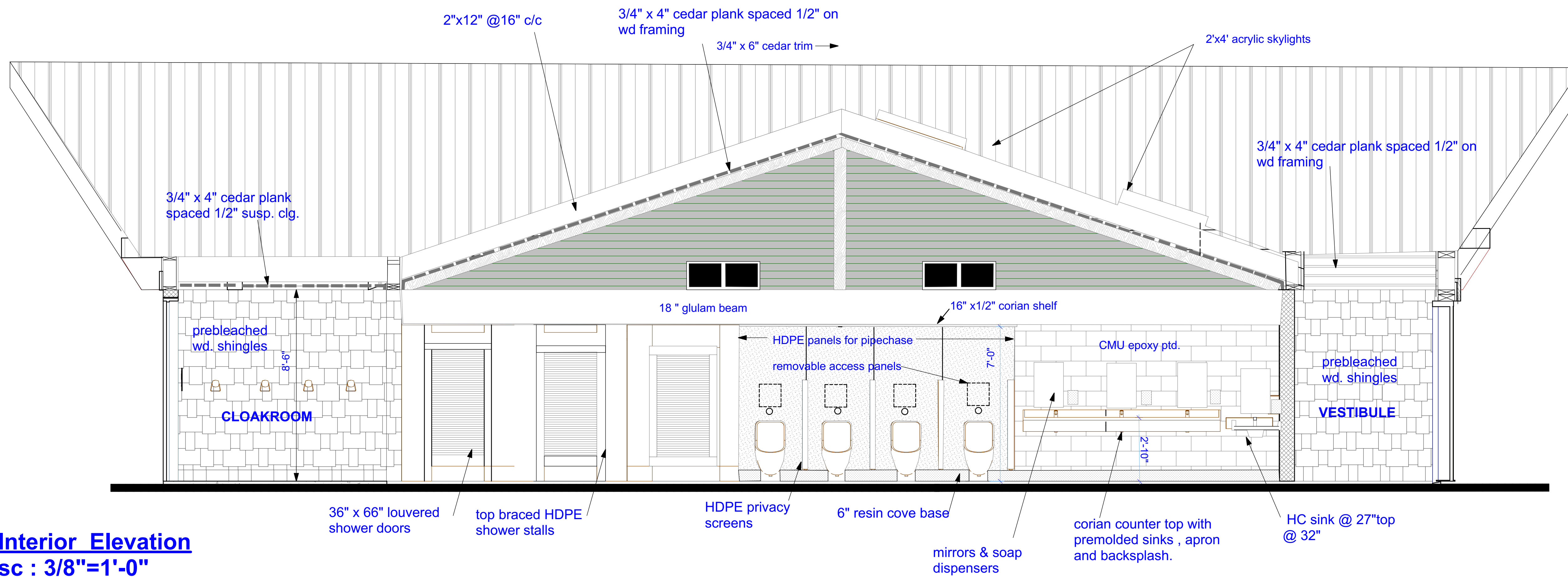
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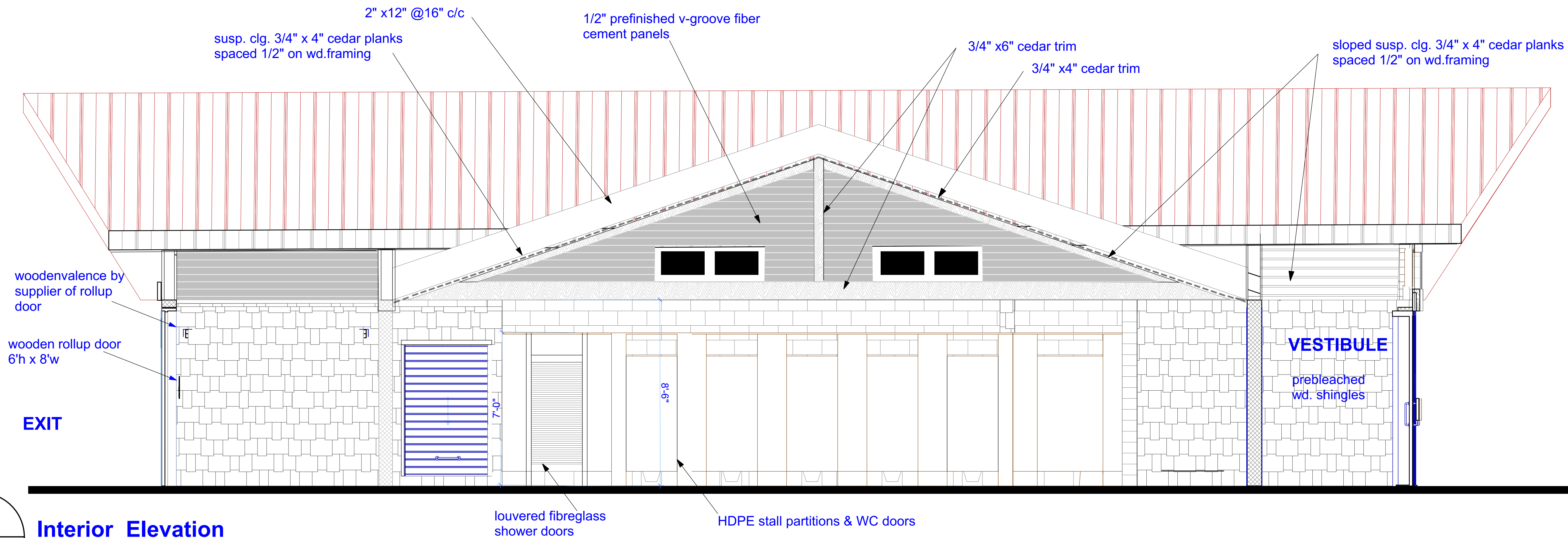
SHEET TITLE
**INTERIOR
 ELEVATIONS**
Ab-16a
 SHEET 16 OF 17



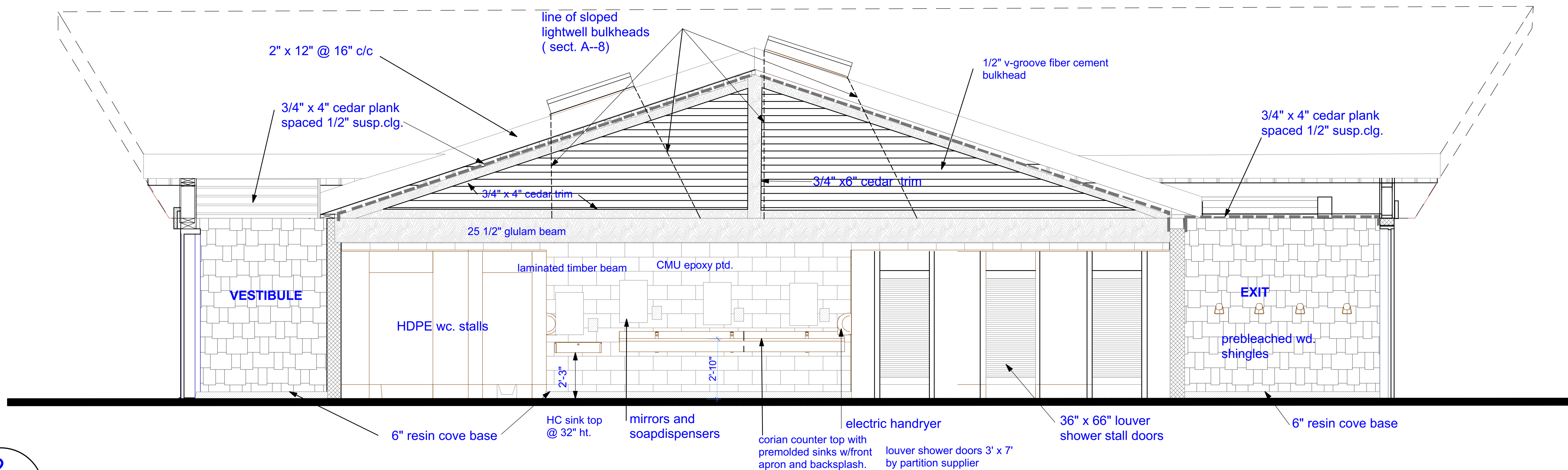
2
 Ab-16a
Interior Elevation
 sc : 3/8"=1'-0"



1
 Ab-16a
Interior Elevation
 sc : 3/8"=1'-0"



1
Ab-17a Interior Elevation
 sc : 3/8"=1'-0"



2
Ab-17a Interior Elevation
 sc : 3/8"=1'-0"

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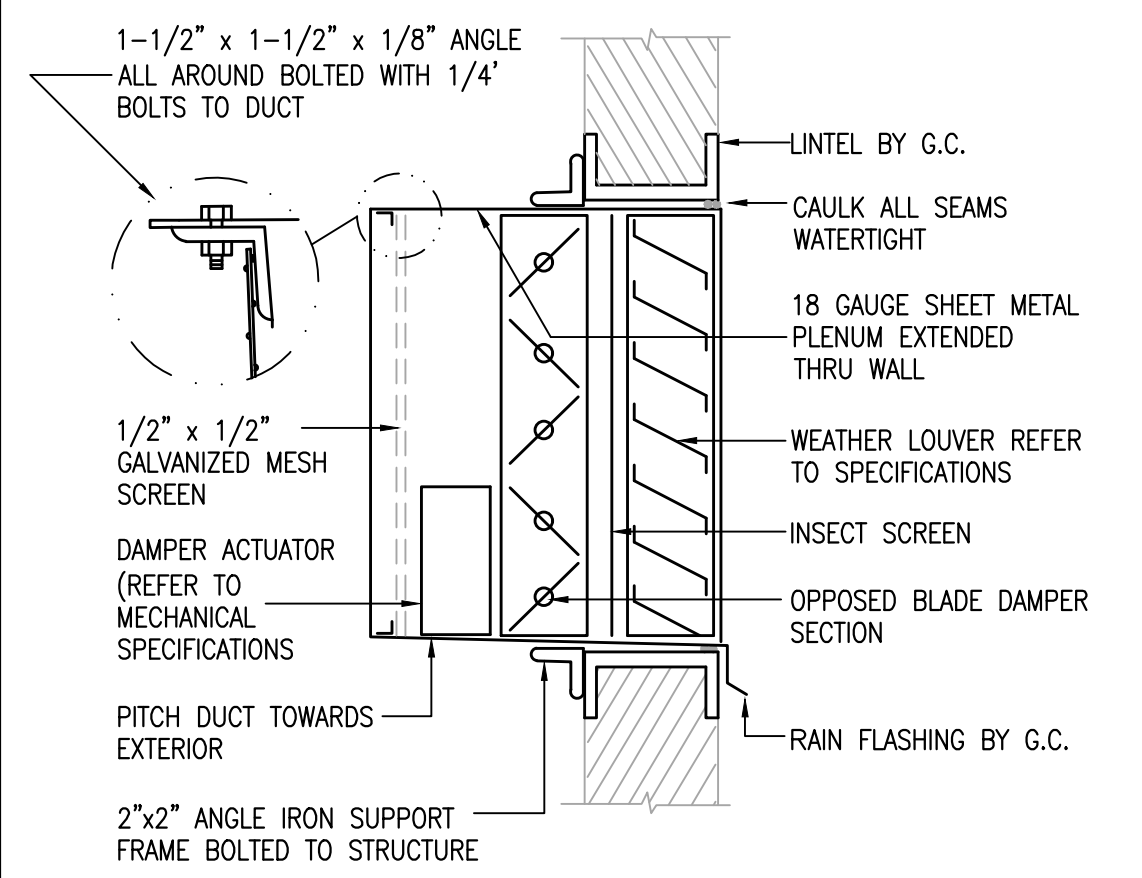
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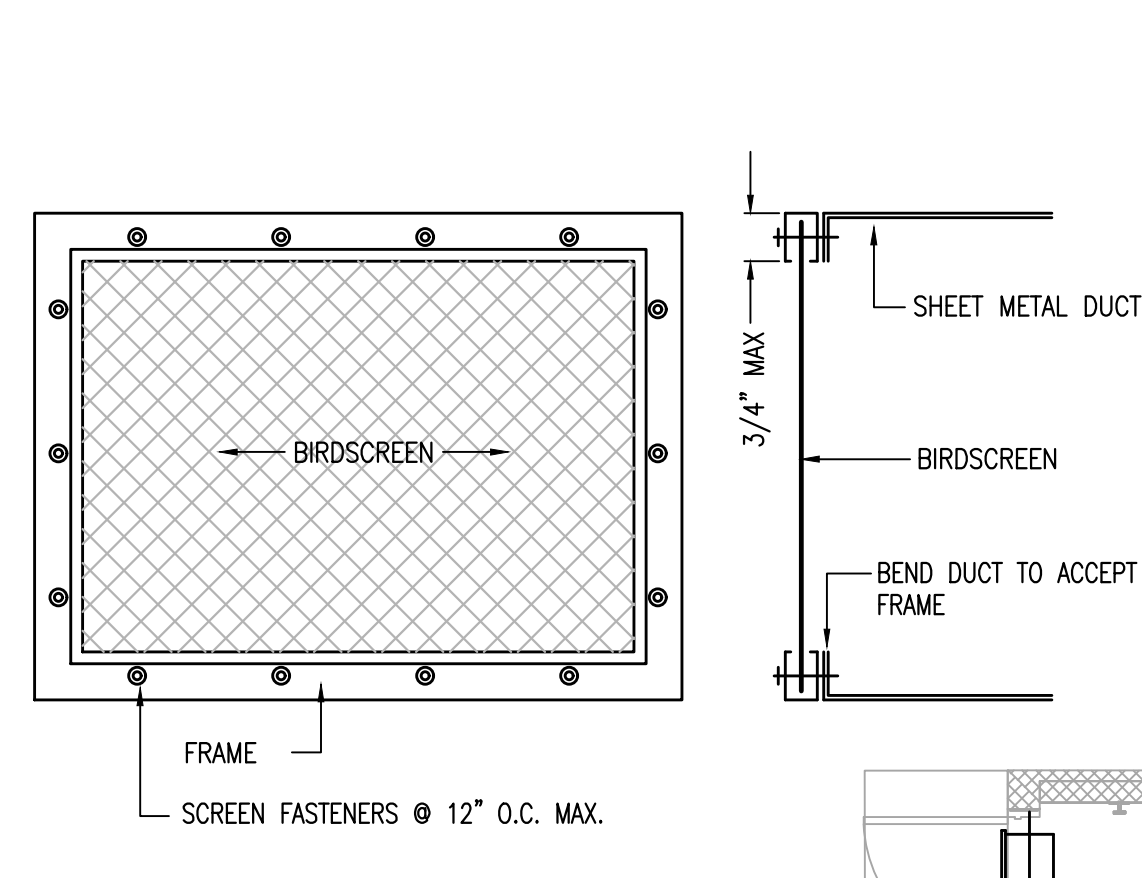
Interior Elevations

Ab-17a

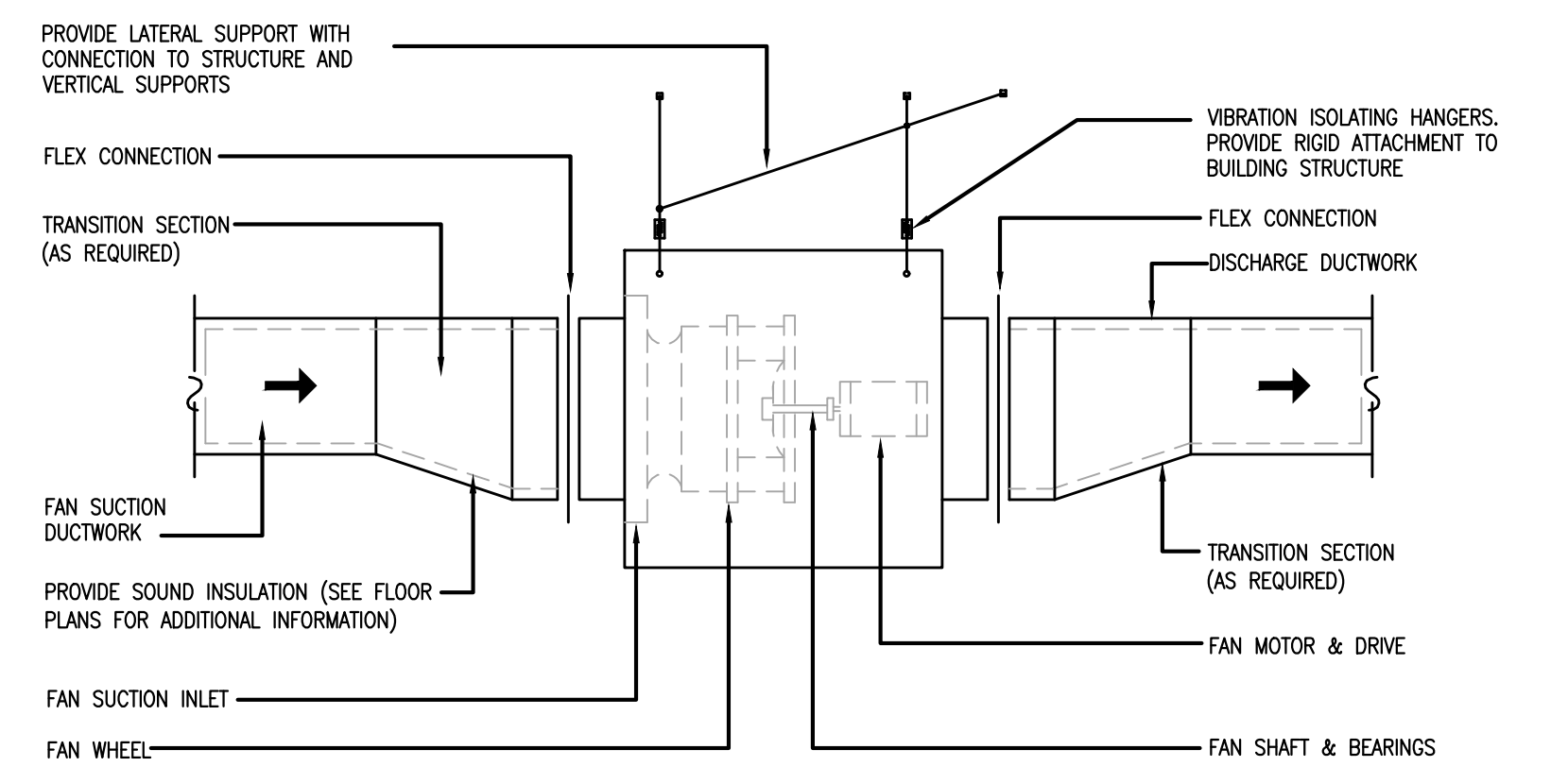
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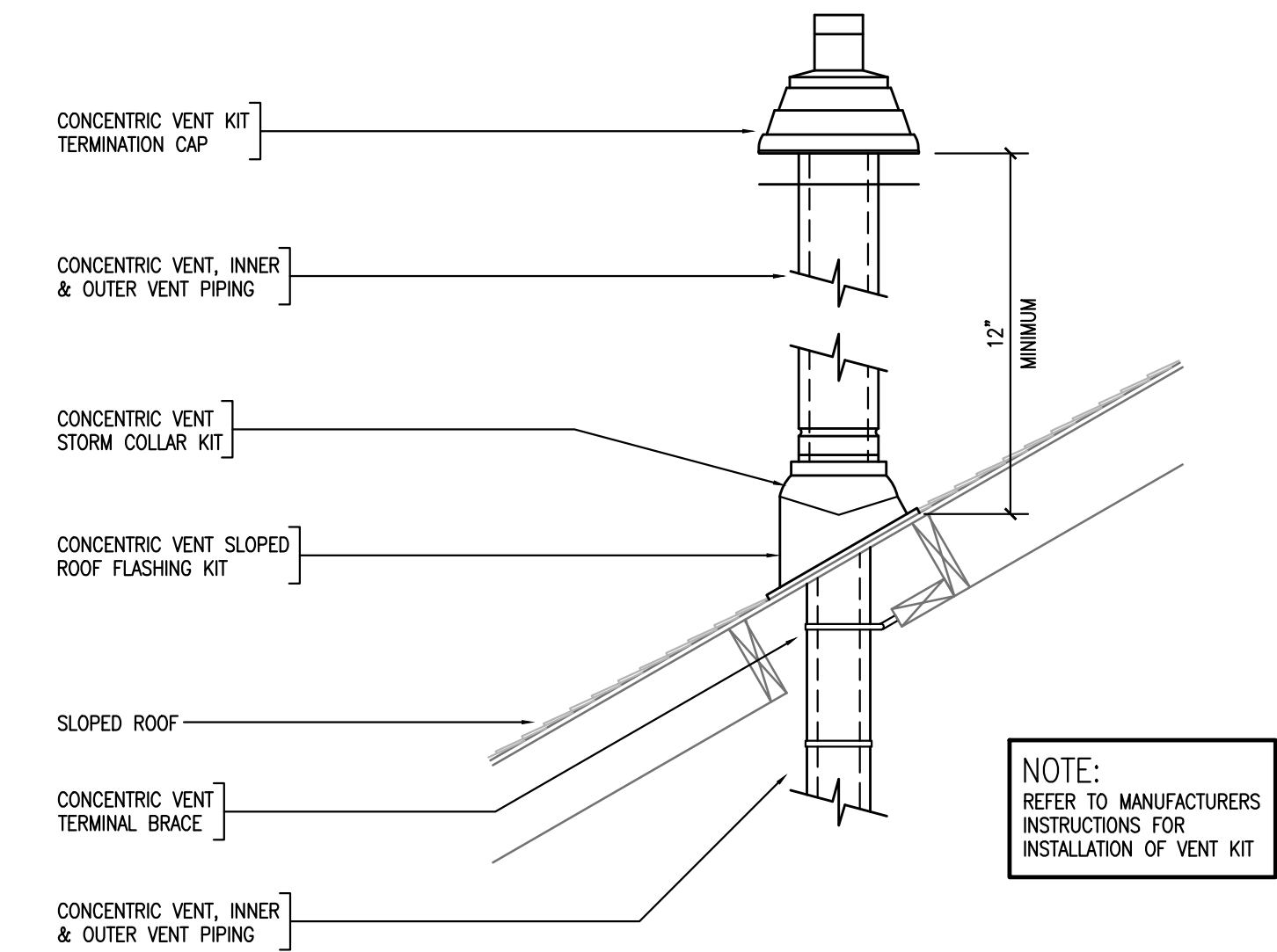
2 TYPICAL LOUVER INSTALLATION DETAIL
M1.1 NOT TO SCALE



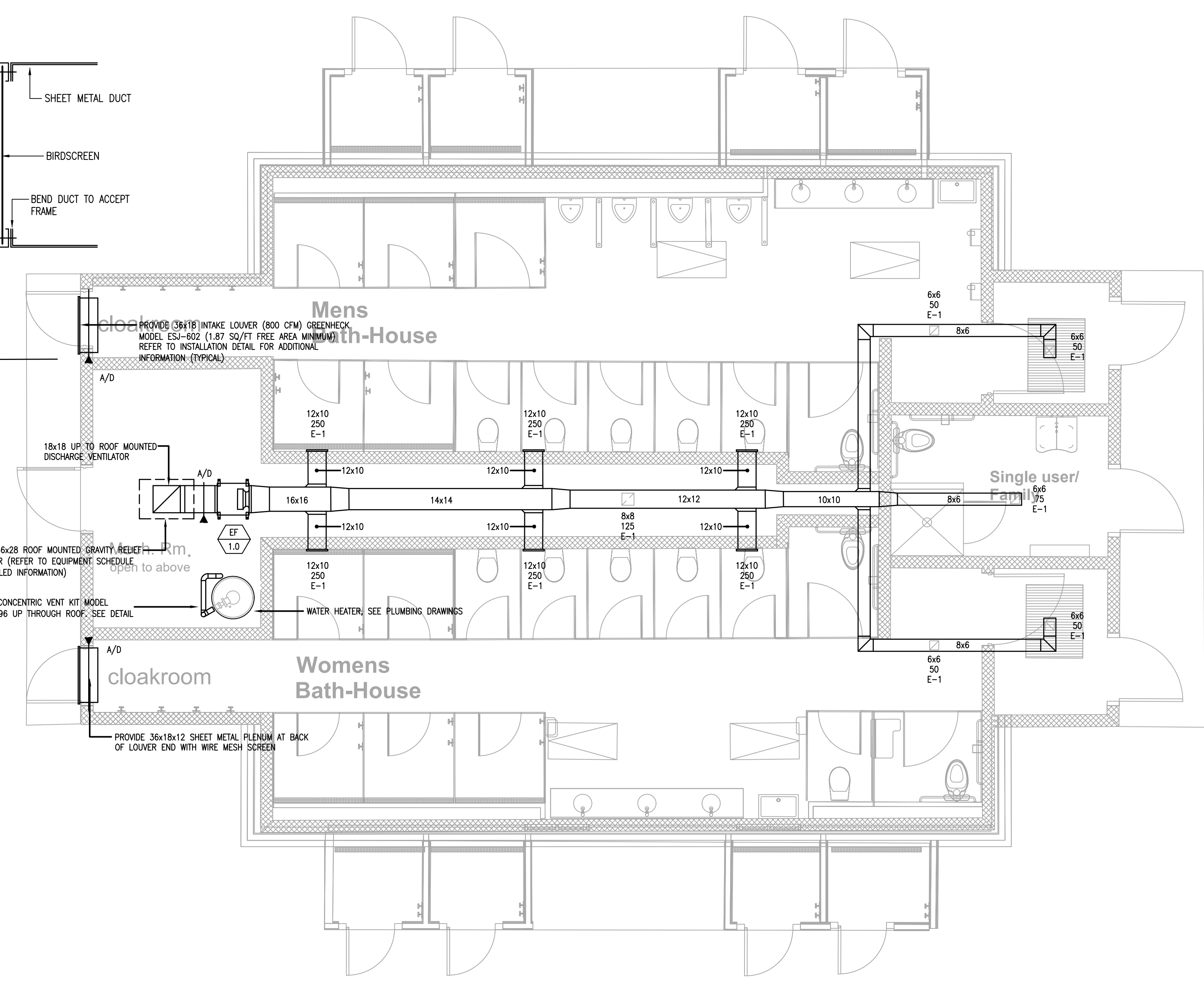
3 TYPICAL BIRDSCREEN & FRAME CONNECTION
M1.1 NOT TO SCALE



4 TYPICAL INLINE FAN INSTALLATION DETAIL
M1.1 NOT TO SCALE



5 VERTICAL TERMINAL VENT KIT DETAIL
M1.1 NOT TO SCALE



1 MECHANICAL: FIRST FLOOR PLAN - MECHANICAL
M1.1 SCALE: 1/4" = 1'-0"

RELIEF HOOD SCHEDULE													
UNIT TAG No.	LOCATION/SERVICE	TYPE	CFM	STATIC PRESSURE (IN. WG)	THROAT AREA (SQ-FT)	THROAT VELOCITY (FT-MIN)	THROAT SIZE LENGTH/WIDTH (INCHES)	HEIGHT (INCHES)	CURB CAP LENGTH/WIDTH (INCHES)	OVERALL LENGTH/WIDTH (INCHES)	WEIGHT (LBS)	MANUFACTURERS MODEL NUMBER	REMARKS
RIH-1.0	ROOF/EF-1.0	RELIEF	1,825	0.091	2.25	811	18x18	23	24x24	36x28	60	GREENHECK MODEL No. FGR	-

PROVIDE WITH THE FOLLOWING OPTIONS/ACCESSORIES: 0.50" GALVANIZED BIRDSCREEN, RIGGED ROOF CURB (CONTRACTOR TO VERIFY PITCH), ENTIRE UNIT & ACCESSORIES WITH PERMETECTOR COATING

FAN SCHEDULE												
UNIT TAG NO.	LOCATION/SERVICE	FAN TYPE	CFM	ESP (IN WC)	SONES RADIATED/INLET	SPEED (RPM)	DRIVE TYPE	ELECTRICAL DATA		WEIGHT LBS	MANUFACTURERS MODEL NUMBER	REMARKS
								HP	VOLTAGE			
EF-1.0	MECHANICAL ROOM/BATHROOMS	INLINE	1,850	0.50	9.7/12.7	1,544	DIRECT	0.75	120/1/60	80	GREENHECK MODEL No. SQ-130-VG	-

PROVIDE WITH THE FOLLOWING OPTIONS/ACCESSORIES: VARI-GREEN EC MOTOR, VARI-GREEN SPEED CONTROL DIAL MOUNTED & WIRED AT EXHAUST FAN BY EXHAUST FAN MANUFACTURER, NEMA 1 DISCONNECT WITH JUNCTION BOX MOUNTED & WIRED BY EXHAUST FAN MANUFACTURER, FAN & ACCESSORIES COATED WITH PERMETECTOR COATING, 1" SPRING HANGING VIBRATION ISOLATORS, GRAVITY OPERATE BACKDRAFT DAMPER (SHIPPED LOOSE FOR FIELD INSTALLATION)

DIFFUSER / REGISTER SCHEDULE			
EXHAUST REGISTERS			
BASED ON PRICE INDUSTRIES			
THROW	MODEL	SYMBOL	
N/A	635	R-1	

PROVIDE WITH THE FOLLOWING OPTIONS/ACCESSORIES: ALUMINUM CONSTRUCTION, 1/2" LOUVER SPACING, FRAME SUITABLE FOR SIDEWALL/DUCT MOUNTING (REFER TO ARCHITECTURAL DRAWINGS) BLADES PARALLEL TO LONG DIMENSION, OPPOSED BLADE DAMPER



GENERAL NOTES

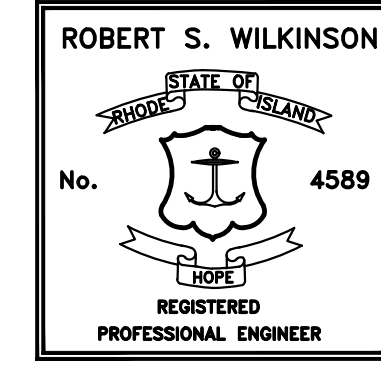
The drawings are generally diagrammatic and are intended to convey the scope of work and indicate general arrangement of equipment. The locations of all indicated items that are not fixed by dimension are approximate only.

Maintain maximum space conditions at all points. Where space conditions appear inadequate, notify the Architect before proceeding with the installation.

Coordinate the exact location of all materials with the work of other trades and with the existing conditions prior to installation.

All materials to be removed shall be removed from the project site in their entirety, including all hangers, supports and appurtenances.

The piping layout as indicated is schematic and diagrammatic in scope and is not intended to show all offsets which may be required. The exact pipe route shall be field coordinated. Refer to Architectural Reflected Ceiling Plans and Electrical Plans for the location of ceiling fixtures. All systems shut-downs shall be with prior approval of the Architect and owner. Intentional changes to the schedule shall be scheduled to minimize down time. Refer to the PROJECT SPECIFICATION for additional requirements.



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Burlingame State Park Bathhouses

RI- Department of Environmental Management

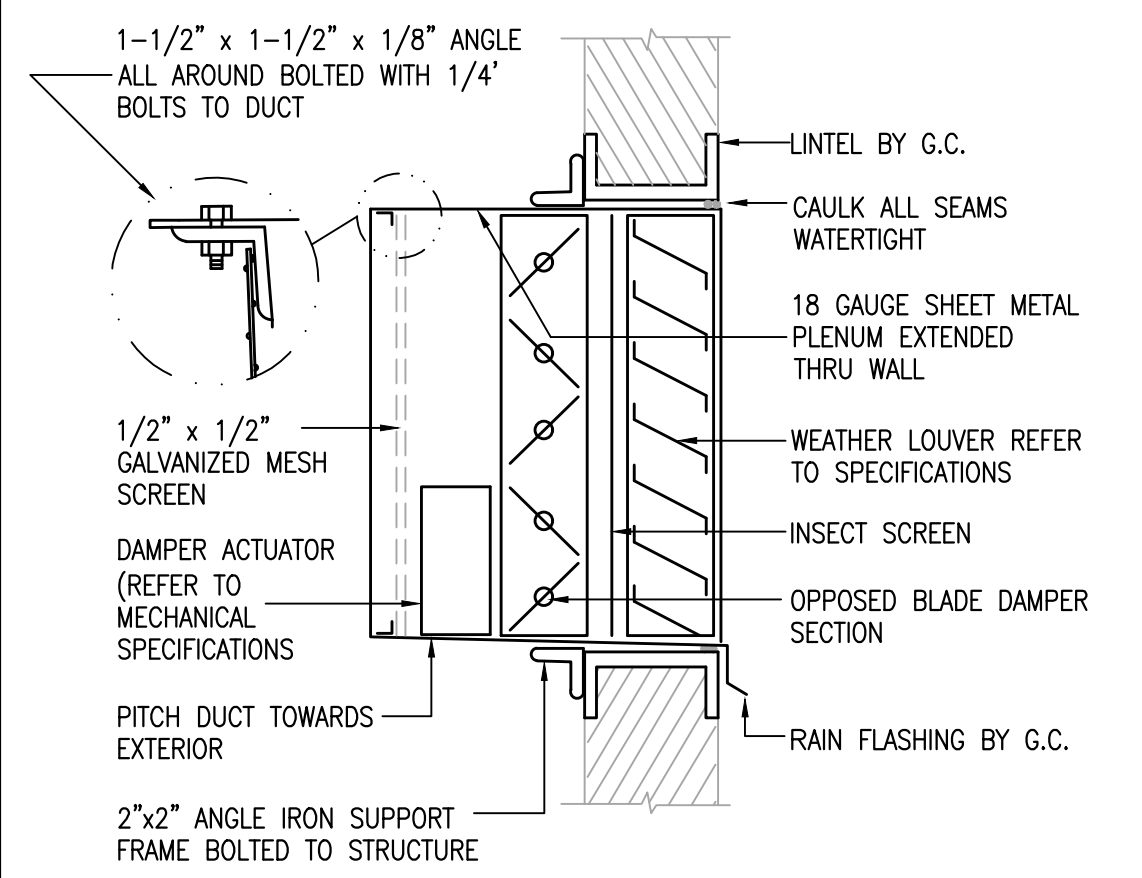
235 Promenade Street
Providence, RI.
02908-5850

MARK	DATE	DESCRIPTION

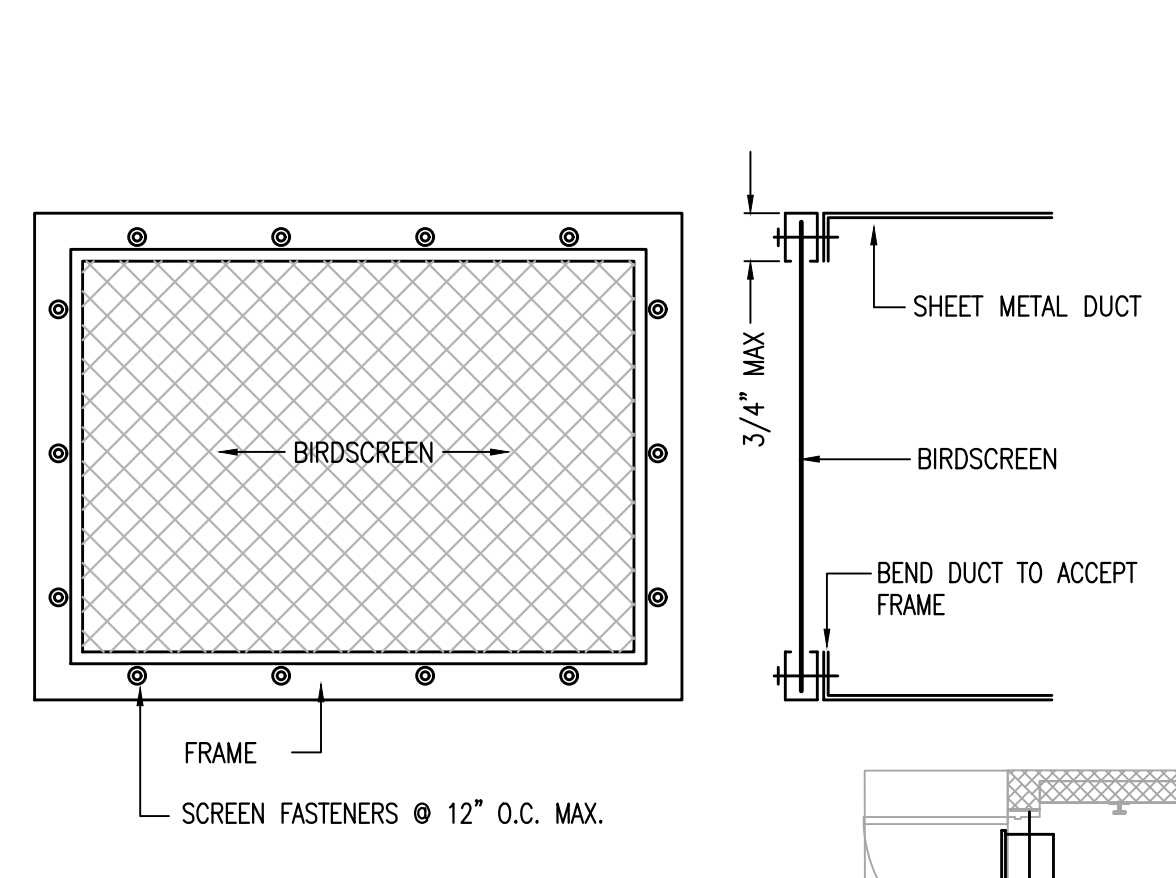
PROJECT NO:
DATE: **10/6/2023**
DRAWN BY: M.J.G.
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SHEET TITLE
MECHANICAL: BUILDING "A" FLOOR PLANS, SCHEDULES & DETAIL

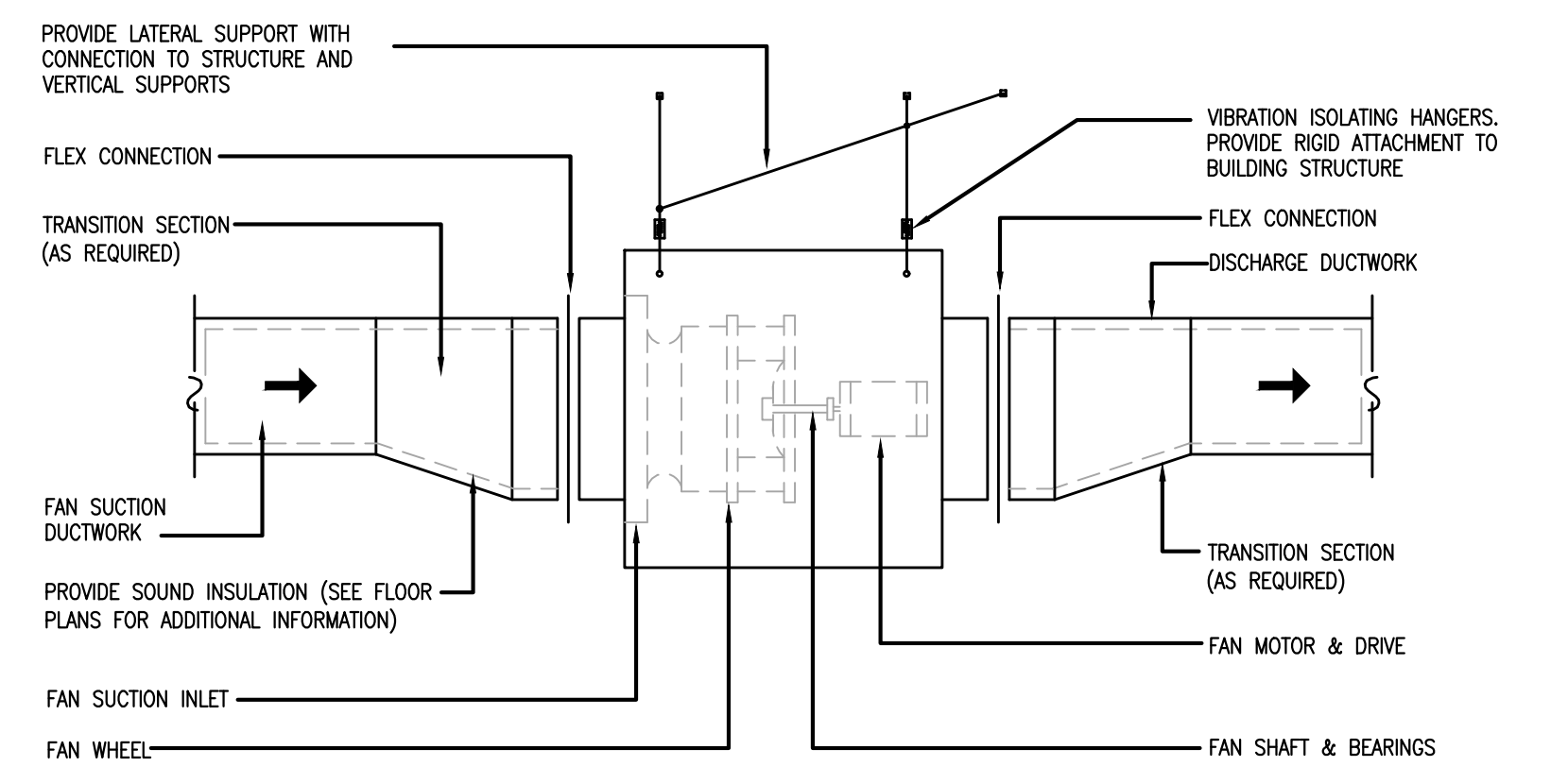
M1.1
SHEET 2 OF 17



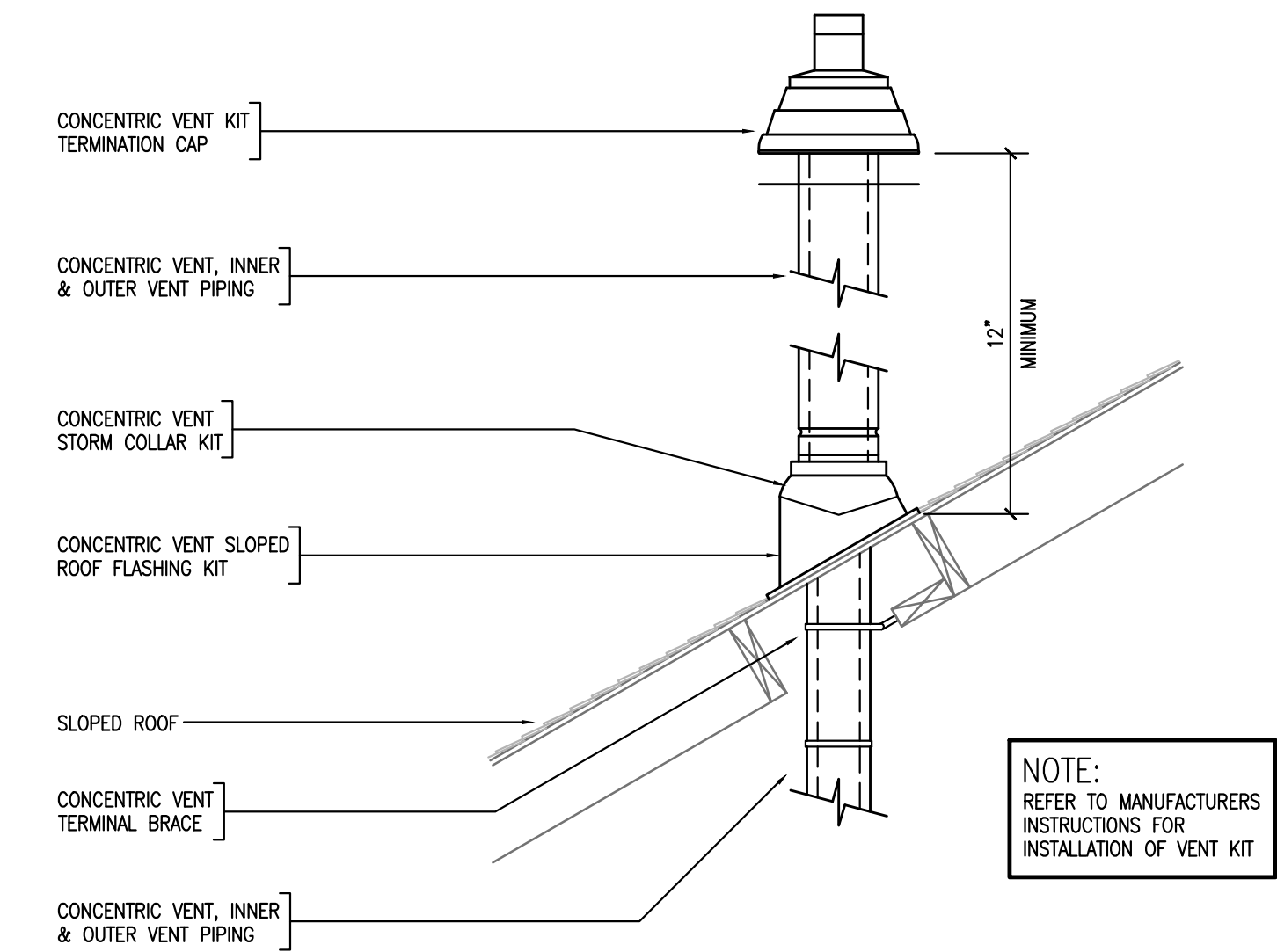
2 TYPICAL LOUVER INSTALLATION DETAIL
M1.2 NOT TO SCALE



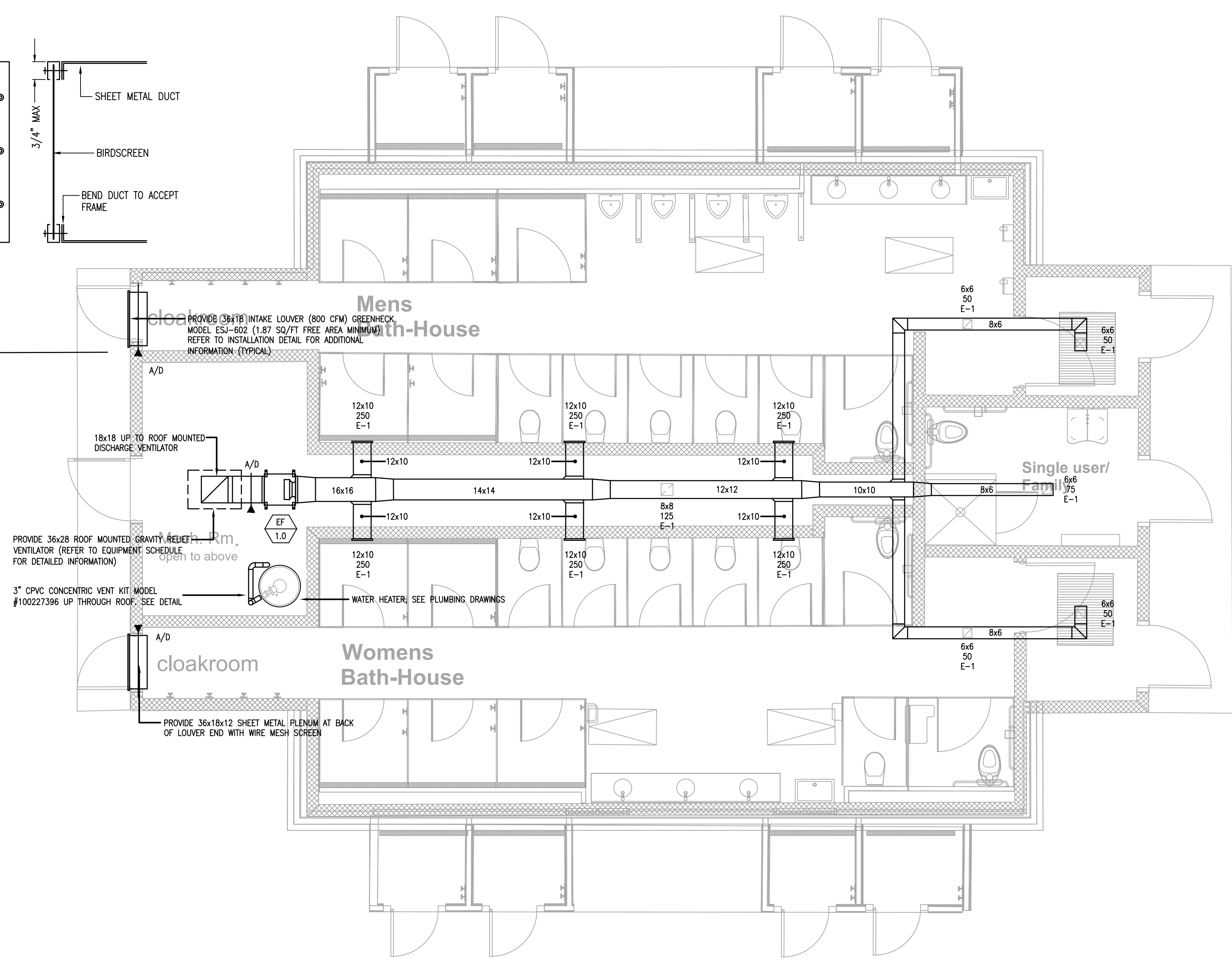
3 TYPICAL BIRDSCREEN & FRAME CONNECTION
M1.2 NOT TO SCALE



4 TYPICAL INLINE FAN INSTALLATION DETAIL
M1.2 NOT TO SCALE



5 VERTICAL TERMINAL VENT KIT DETAIL
M1.2 NOT TO SCALE



1 MECHANICAL: FIRST FLOOR PLAN - MECHANICAL
M1.2 SCALE: 1/4" = 1'-0"

RELIEF HOOD SCHEDULE													
UNIT TAG No.	LOCATION/SERVICE	TYPE	CFM	STATIC PRESSURE (IN. WG)	THROAT AREA (SQ-FT)	THROAT VELOCITY (FT-MIN)	THROAT SIZE LENGTH/WIDTH (INCHES)	HEIGHT (INCHES)	CURB CAP LENGTH/WIDTH (INCHES)	OVERALL LENGTH/WIDTH (INCHES)	WEIGHT (LBS)	MANUFACTURERS MODEL NUMBER	REMARKS
RIH-1.0	ROOF/EF-1.0	RELIEF	1,825	0.091	2.25	811	18x18	23	24x24	36x28	60	GREENHECK MODEL No. FGR	-

PROVIDE WITH THE FOLLOWING OPTIONS/ACCESSORIES: 0.50" GALVANIZED BIRDSCREEN, RIGGED ROOF CURB (CONTRACTOR TO VERIFY PITCH), ENTIRE UNIT & ACCESSORIES WITH PERMETECTOR COATING

FAN SCHEDULE												
UNIT TAG NO.	LOCATION/SERVICE	FAN TYPE	CFM	ESP (IN WC)	SONES RADIATED/INLET	SPEED (RPM)	DRIVE TYPE	ELECTRICAL DATA			MANUFACTURERS MODEL NUMBER	REMARKS
								HP	VOLTAGE	WEIGHT LBS		
EF-1.0	MECHANICAL ROOM/BATHROOMS	INLINE	1,850	0.50	9.7/12.7	1,544	DIRECT	0.75	120/1/60	80	GREENHECK MODEL No. SQ-130-VG	-

PROVIDE WITH THE FOLLOWING OPTIONS/ACCESSORIES: VARI-GREEN EC MOTOR, VARI-GREEN SPEED CONTROL DIAL MOUNTED & WIRED AT EXHAUST FAN BY EXHAUST FAN MANUFACTURER, NEMA 1 DISCONNECT WITH JUNCTION BOX MOUNTED & WIRED BY EXHAUST FAN MANUFACTURER, FAN & ACCESSORIES COATED WITH PERMETECTOR COATING, 1" SPRING HANGING VIBRATION ISOLATORS, GRAVITY OPERATE BACKDRAFT DAMPER (SHIPPED LOOSE FOR FIELD INSTALLATION)

DIFFUSER / REGISTER SCHEDULE			
EXHAUST REGISTERS			
BASED ON PRICE INDUSTRIES			
THROW	MODEL	SYMBOL	
N/A	635	R-1	

PROVIDE WITH THE FOLLOWING OPTIONS/ACCESSORIES: ALUMINUM CONSTRUCTION, 1/2" LOUVER SPACING, FRAME SUITABLE FOR SIDEWALL/DUCT MOUNTING (REFER TO ARCHITECTURAL DRAWINGS) BLADES PARALLEL TO LONG DIMENSION, OPPOSED BLADE DAMPER



GENERAL NOTES

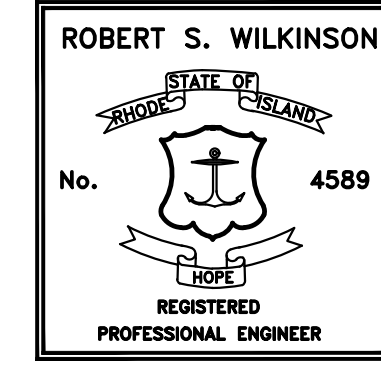
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Maintain maximum space conditions at all points. Where space conditions appear inadequate, notify the Architect before proceeding with the installation.

Coordinate the exact location of all materials with the work of other trades and with the existing conditions prior to installation.

All materials to be removed shall be removed from the project site in their entirety, including all hangers, supports and appurtenances.

The piping layout as indicated is schematic and diagrammatic in scope and is not intended to show all offsets which may be required. The exact pipe route shall be field coordinated. Refer to Architectural Reflected Ceiling Plans, Electrical, and Mechanical drawings for the location of ceiling and other trades. All plumbing fixtures. All systems shut-downs shall be with prior approval of the Architect and owner. Intentional changes to the schedule shall be scheduled to minimize down time. Refer to the PROJECT SPECIFICATION for additional requirements.



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RI- Department of Environmental Management

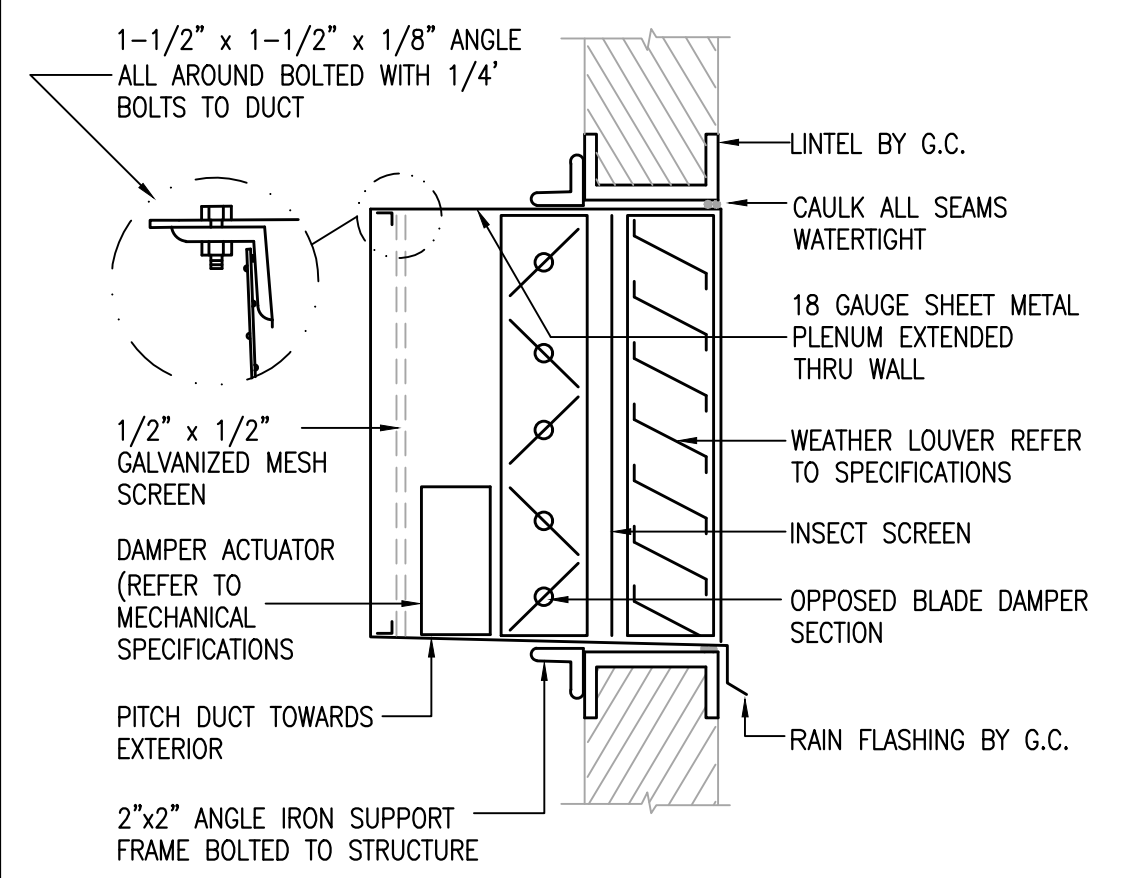
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02908-5850

MARK	DATE	DESCRIPTION

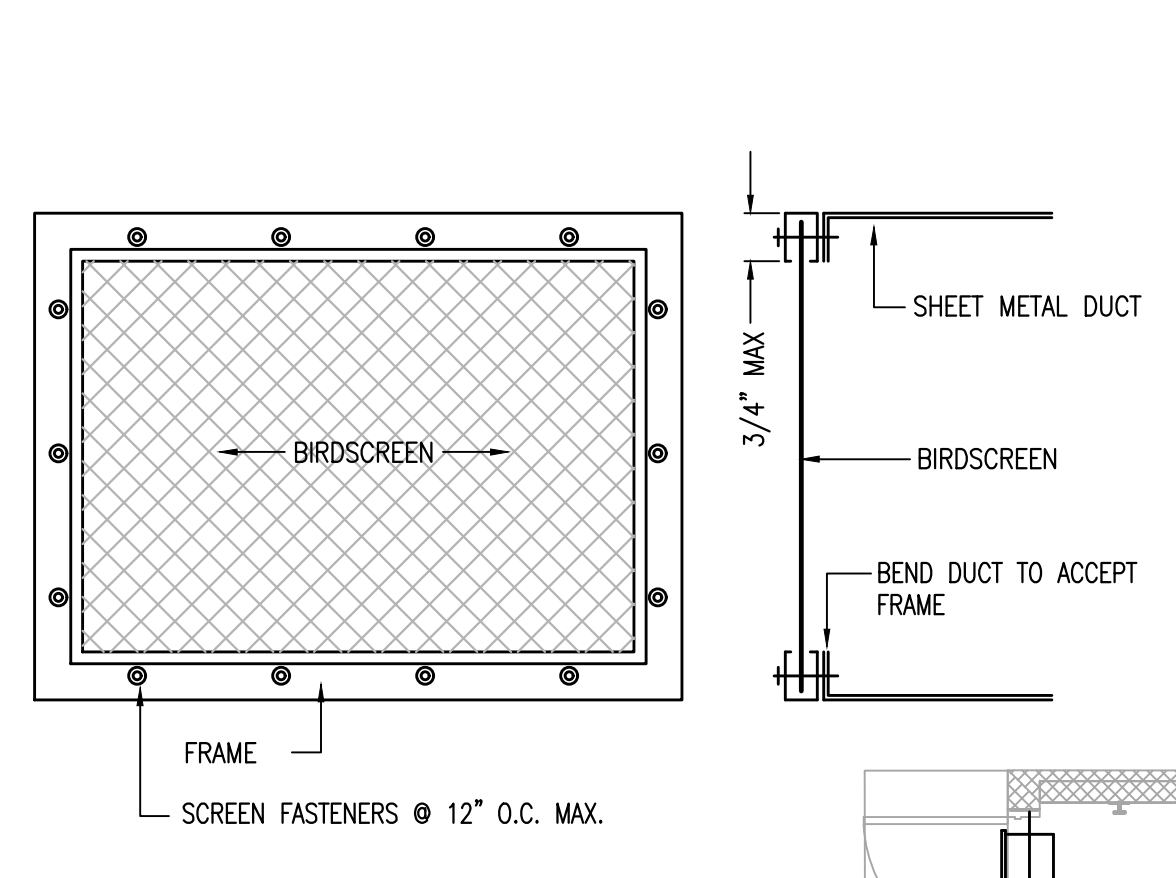
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SHEET TITLE
MECHANICAL: BUILDING "B" FLOOR PLANS, SCHEDULES & DETAIL

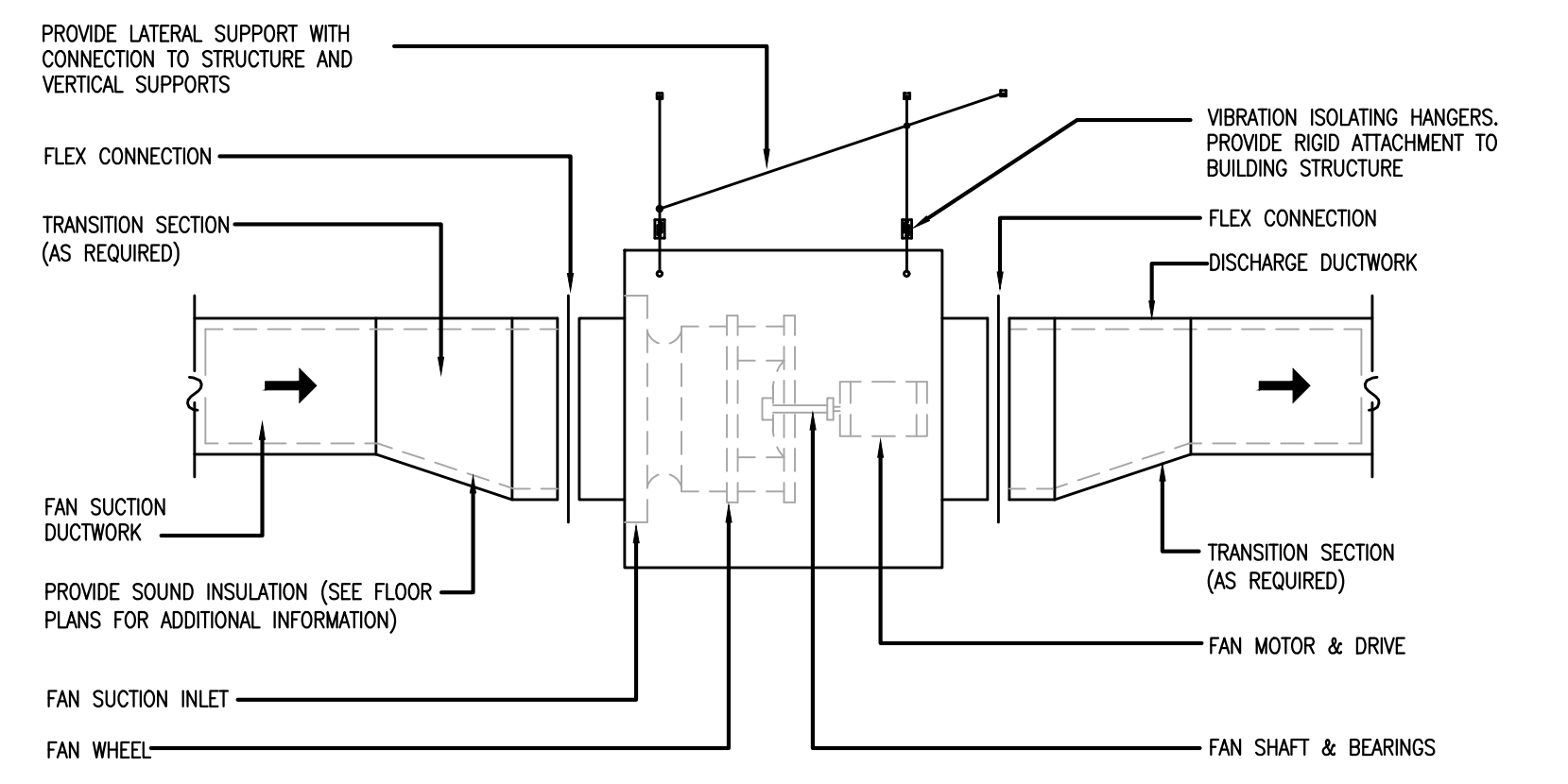
M1.2
SHEET 2 OF 17



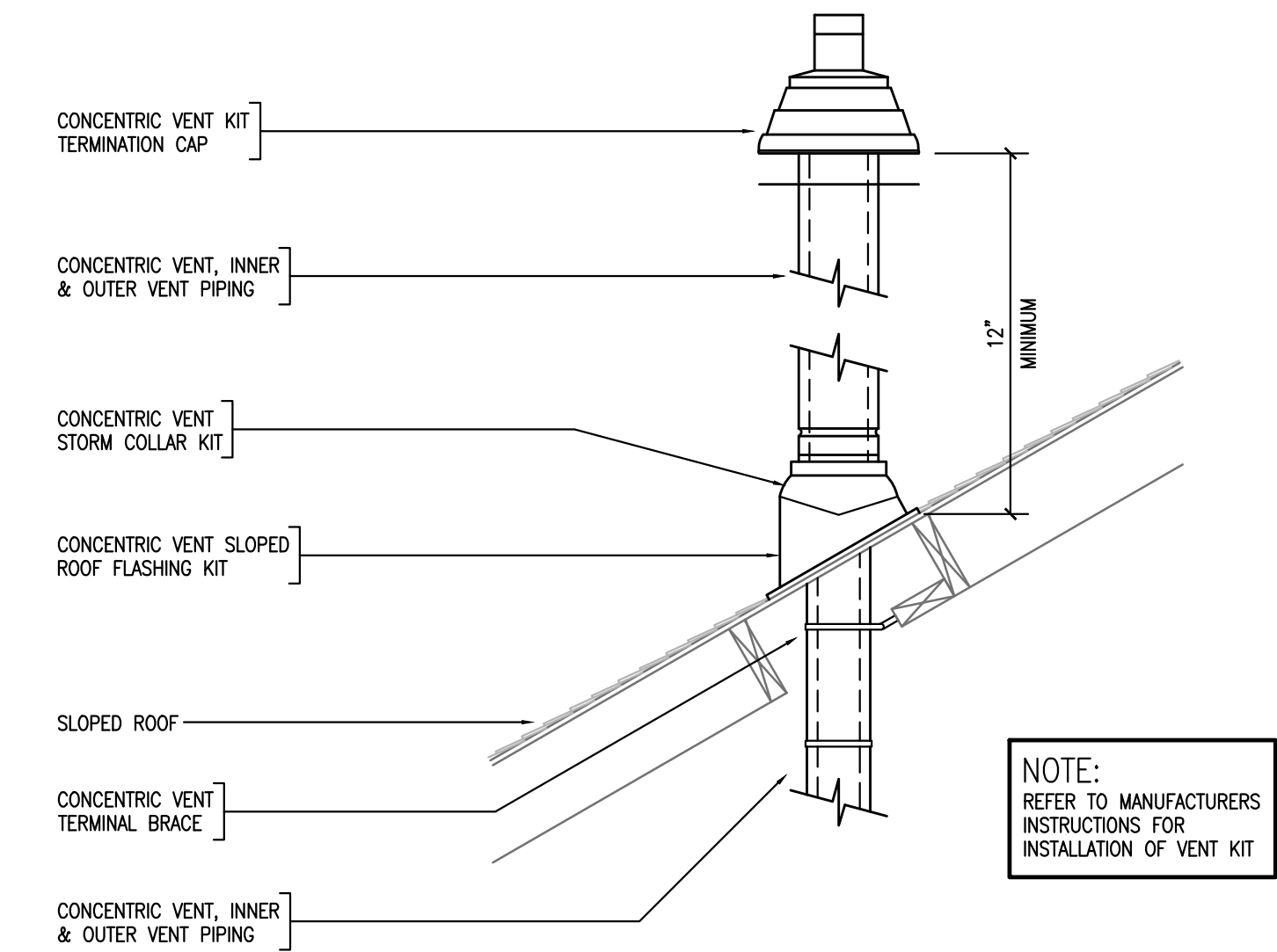
2 TYPICAL LOUVER INSTALLATION DETAIL
M1.3 NOT TO SCALE



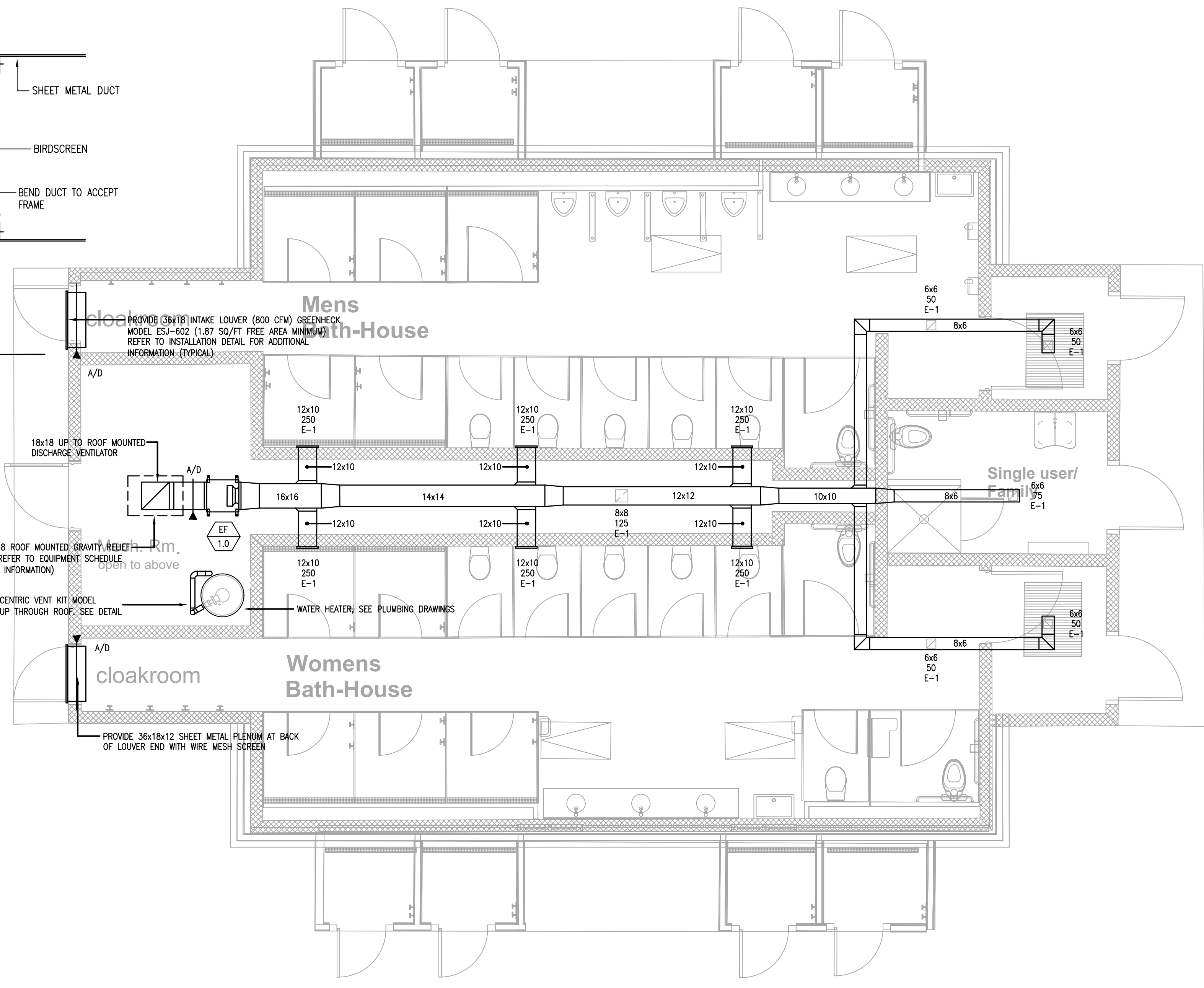
3 TYPICAL BIRDSCREEN & FRAME CONNECTION
M1.3 NOT TO SCALE



4 TYPICAL INLINE FAN INSTALLATION DETAIL
M1.3 NOT TO SCALE



5 VERTICAL TERMINAL VENT KIT DETAIL
M1.3 NOT TO SCALE



1 MECHANICAL: FIRST FLOOR PLAN - MECHANICAL
M1.3 SCALE: 1/4" = 1'-0"

RELIEF HOOD SCHEDULE													
UNIT TAG No.	LOCATION/SERVICE	TYPE	CFM	STATIC PRESSURE (IN. WG)	THROAT AREA (SQ-FT)	THROAT VELOCITY (FT-MIN)	THROAT SIZE LENGTH/WIDTH (INCHES)	HEIGHT (INCHES)	CURB CAP LENGTH/WIDTH (INCHES)	OVERALL LENGTH/WIDTH (INCHES)	WEIGHT (LBS)	MANUFACTURERS MODEL NUMBER	REMARKS
RIH-1.0	ROOF/EF-1.0	RELIEF	1,825	0.091	2.25	811	18x18	23	24x24	36x28	60	GREENHECK MODEL No. FGR	-

PROVIDE WITH THE FOLLOWING OPTIONS/ACCESSORIES: 0.50" GALVANIZED BIRDSCREEN, RIGGED ROOF CURB (CONTRACTOR TO VERIFY PITCH), ENTIRE UNIT & ACCESSORIES WITH PERMETECTOR COATING

FAN SCHEDULE												
UNIT TAG NO.	LOCATION/SERVICE	FAN TYPE	CFM	ESP (IN WC)	SONES RADIATED/INLET	SPEED (RPM)	DRIVE TYPE	ELECTRICAL DATA			MANUFACTURERS MODEL NUMBER	REMARKS
								HP	VOLTAGE	WEIGHT LBS		
EF-1.0	MECHANICAL ROOM/BATHROOMS	INLINE	1,850	0.50	9.7/12.7	1,544	DIRECT	0.75	120/1/60	80	GREENHECK MODEL No. SQ-130-VG	-

PROVIDE WITH THE FOLLOWING OPTIONS/ACCESSORIES: VARI-GREEN EC MOTOR, VARI-GREEN SPEED CONTROL DIAL MOUNTED & WIRED AT EXHAUST FAN BY EXHAUST FAN MANUFACTURER, NEMA 1 DISCONNECT WITH JUNCTION BOX MOUNTED & WIRED BY EXHAUST FAN MANUFACTURER, FAN & ACCESSORIES COATED WITH PERMETECTOR COATING, 1" SPRING HANGING VIBRATION ISOLATORS, GRAVITY OPERATE BACKDRAFT DAMPER (SHIPPED LOOSE FOR FIELD INSTALLATION)

DIFFUSER / REGISTER SCHEDULE			
EXHAUST REGISTERS			
BASED ON PRICE INDUSTRIES			
THROW	MODEL	SYMBOL	
N/A	635	R-1	

PROVIDE WITH THE FOLLOWING OPTIONS/ACCESSORIES: ALUMINUM CONSTRUCTION, 1/2" LOUVER SPACING, FRAME SUITABLE FOR SIDEWALL/DUCT MOUNTING (REFER TO ARCHITECTURAL DRAWINGS) BLADES PARALLEL TO LONG DIMENSION, OPPOSED BLADE DAMPER



GENERAL NOTES

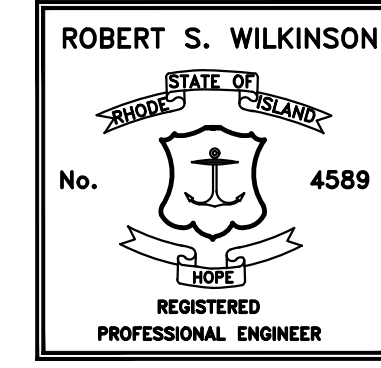
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PROJECT NO:

DATE: **10/6/2023**

DRAWN BY: M.J.G

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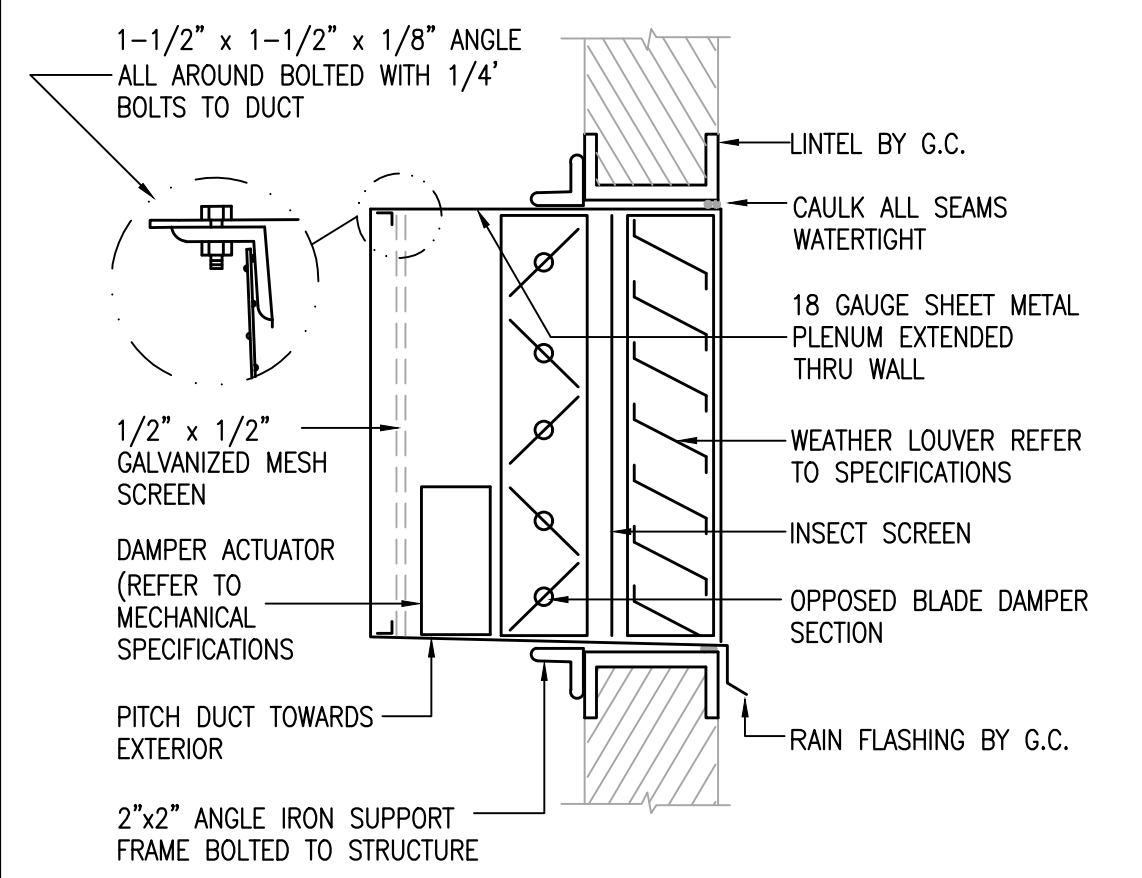
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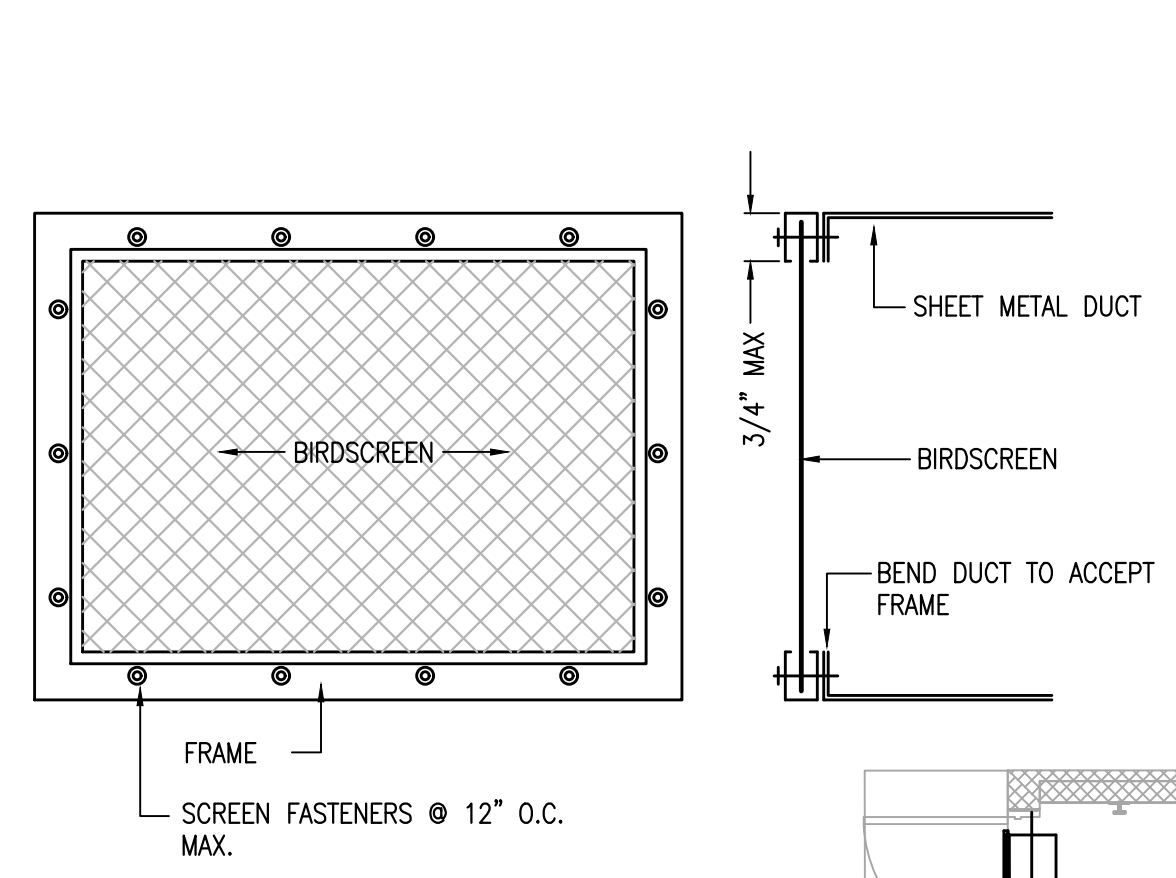
SHEET TITLE

MECHANICAL: MILLS CAMP FLOOR PLANS, SCHEDULES & DETAIL

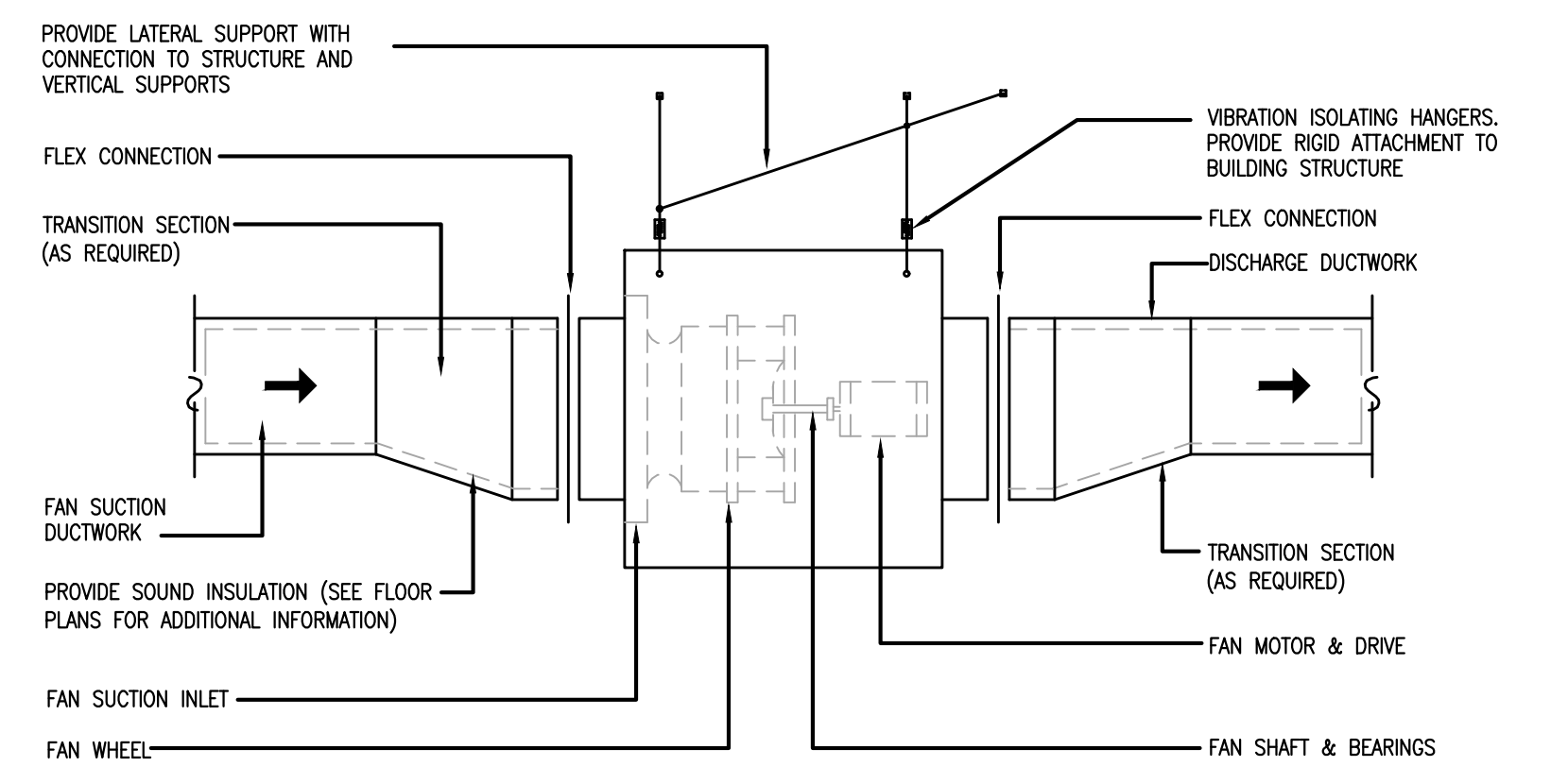
M1.3
SHEET 2 OF 17



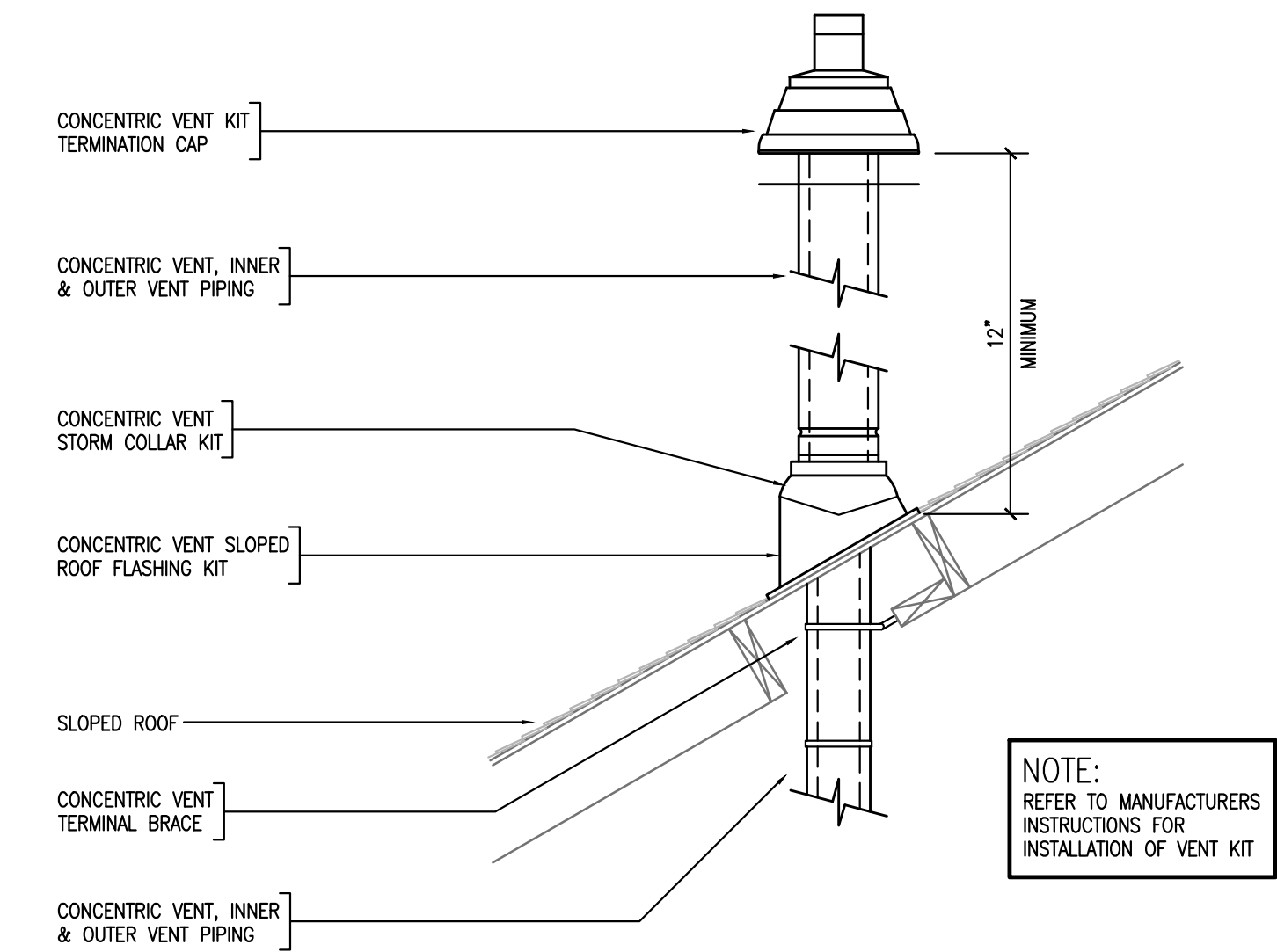
2 TYPICAL LOUVER INSTALLATION DETAIL
M1.4 NOT TO SCALE



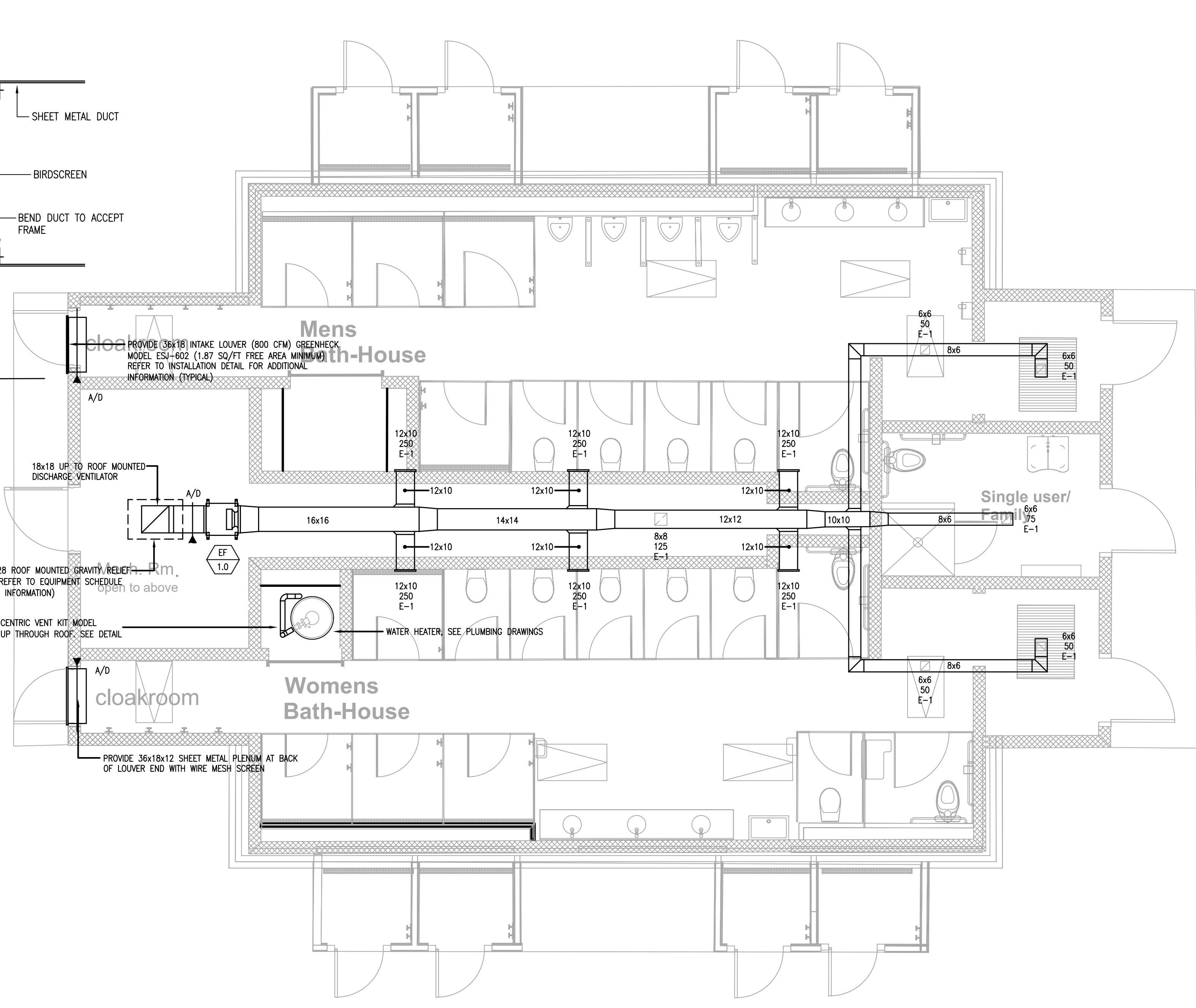
3 TYPICAL BIRDSCREEN & FRAME CONNECTION
M1.4 NOT TO SCALE



4 TYPICAL INLINE FAN INSTALLATION DETAIL
M1.4 NOT TO SCALE



5 VERTICAL TERMINAL VENT KIT DETAIL
M1.4 NOT TO SCALE



1 MECHANICAL: FIRST FLOOR PLAN - MECHANICAL
M1.4 SCALE: 1/4" = 1'-0"

RELIEF HOOD SCHEDULE													
UNIT TAG No.	LOCATION/SERVICE	TYPE	CFM	STATIC PRESSURE (IN. WG)	THROAT AREA (SQ-FT)	THROAT VELOCITY (FT-MIN)	THROAT SIZE LENGTH/WIDTH (INCHES)	HEIGHT (INCHES)	CURB CAP LENGTH/WIDTH (INCHES)	OVERALL LENGTH/WIDTH (INCHES)	WEIGHT (LBS)	MANUFACTURERS MODEL NUMBER	REMARKS
RIH-1.0	ROOF/EF-1.0	RELIEF	1,825	0.091	2.25	811	18x18	23	24x24	36x28	60	GREENHECK MODEL No. FGR	-

PROVIDE WITH THE FOLLOWING OPTIONS/ACCESSORIES: 0.50" GALVANIZED BIRDSCREEN, RIGGED ROOF CURB (CONTRACTOR TO VERIFY PITCH), ENTIRE UNIT & ACCESSORIES WITH PERMETECTOR COATING

FAN SCHEDULE												
UNIT TAG NO.	LOCATION/SERVICE	FAN TYPE	CFM	ESP (IN WC)	SONES RADIATED/INLET	SPEED (RPM)	DRIVE TYPE	ELECTRICAL DATA			MANUFACTURERS MODEL NUMBER	REMARKS
								HP	VOLTAGE	WEIGHT LBS		
EF-1.0	MECHANICAL ROOM/BATHROOMS	INLINE	1,850	0.50	9.7/12.7	1,544	DIRECT	0.75	120/1/60	80	GREENHECK MODEL No. SQ-130-VG	-

PROVIDE WITH THE FOLLOWING OPTIONS/ACCESSORIES: VARI-GREEN EC MOTOR, VARI-GREEN SPEED CONTROL DIAL MOUNTED & WIRED AT EXHAUST FAN BY EXHAUST FAN MANUFACTURER, NEMA 1 DISCONNECT WITH JUNCTION BOX MOUNTED & WIRED BY EXHAUST FAN MANUFACTURER, FAN & ACCESSORIES COATED WITH PERMETECTOR COATING, 1" SPRING HANGING VIBRATION ISOLATORS, GRAVITY OPERATE BACKDRAFT DAMPER (SHIPPED LOOSE FOR FIELD INSTALLATION)

DIFFUSER / REGISTER SCHEDULE			
EXHAUST REGISTERS			
BASED ON PRICE INDUSTRIES			
THROW	MODEL	SYMBOL	
N/A	635	R-1	

PROVIDE WITH THE FOLLOWING OPTIONS/ACCESSORIES: ALUMINUM CONSTRUCTION, 1/2" LOUVER SPACING, FRAME SUITABLE FOR SIDEWALL/DUCT MOUNTING (REFER TO ARCHITECTURAL DRAWINGS) BLADES PARALLEL TO LONG DIMENSION, OPPOSED BLADE DAMPER



GENERAL NOTES

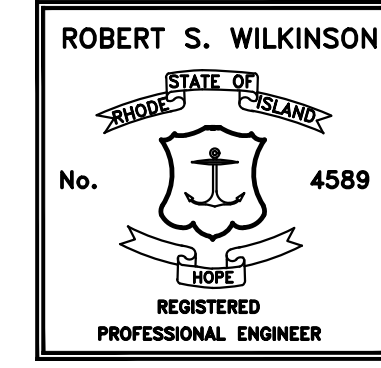
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Coordinate the exact location of all materials with the work of other trades and with the existing conditions prior to installation.

All materials to be removed shall be removed from the project site in their entirety, including all hangers, supports and appurtenances.

The piping layout as indicated is schematic and diagrammatic in scope and is not intended to show all offsets which may be required. The exact pipe route shall be field coordinated. Refer to Architectural Reflected Ceiling Plans, Electrical, and Mechanical drawings for the location of piping and other trades. All piping shall be with prior approval of the Architect and Owner. Intended to minimize down time. Refer to the PROJECT SPECIFICATION for additional requirements.



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Main Camp,
Fish camp &
Legion Town**

**Burlingame
State Park
Bathouses**

RI- Department
of
Environmental
Management

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Providence, RI.
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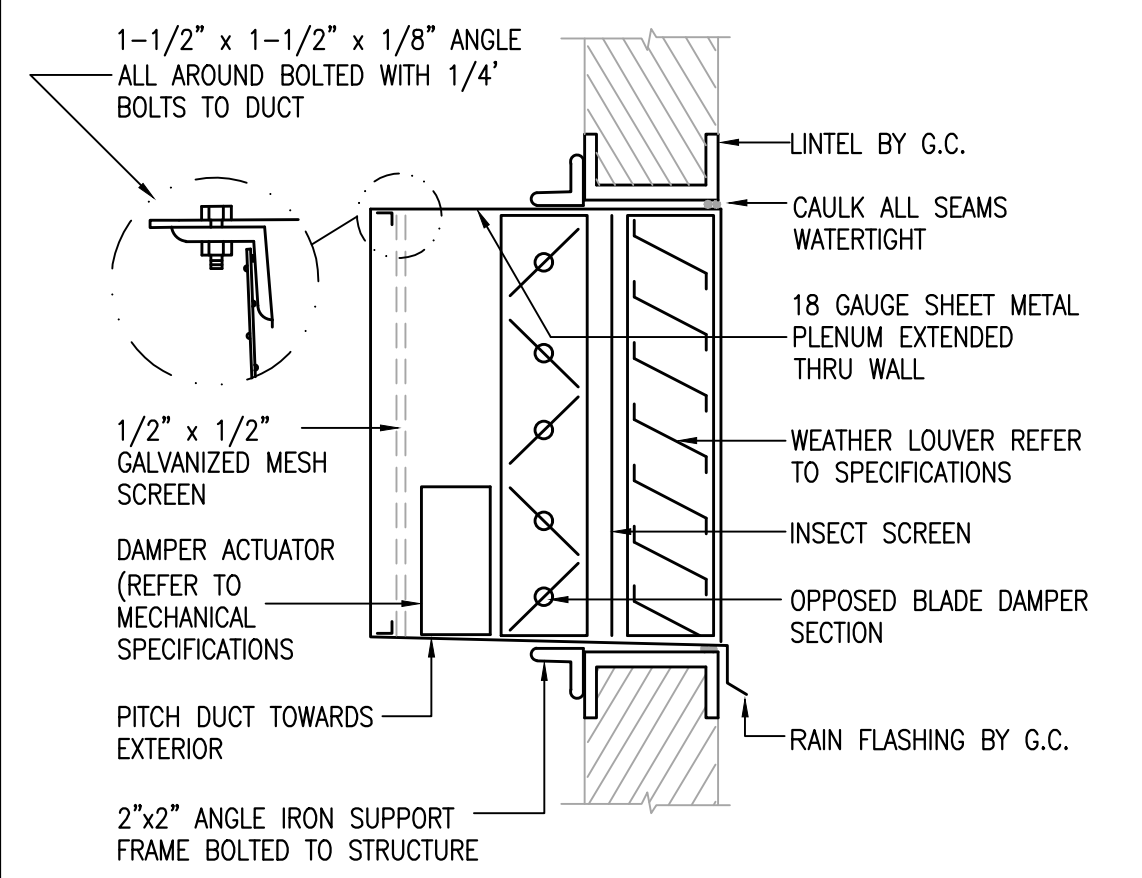
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DATE: **8/3/2022**
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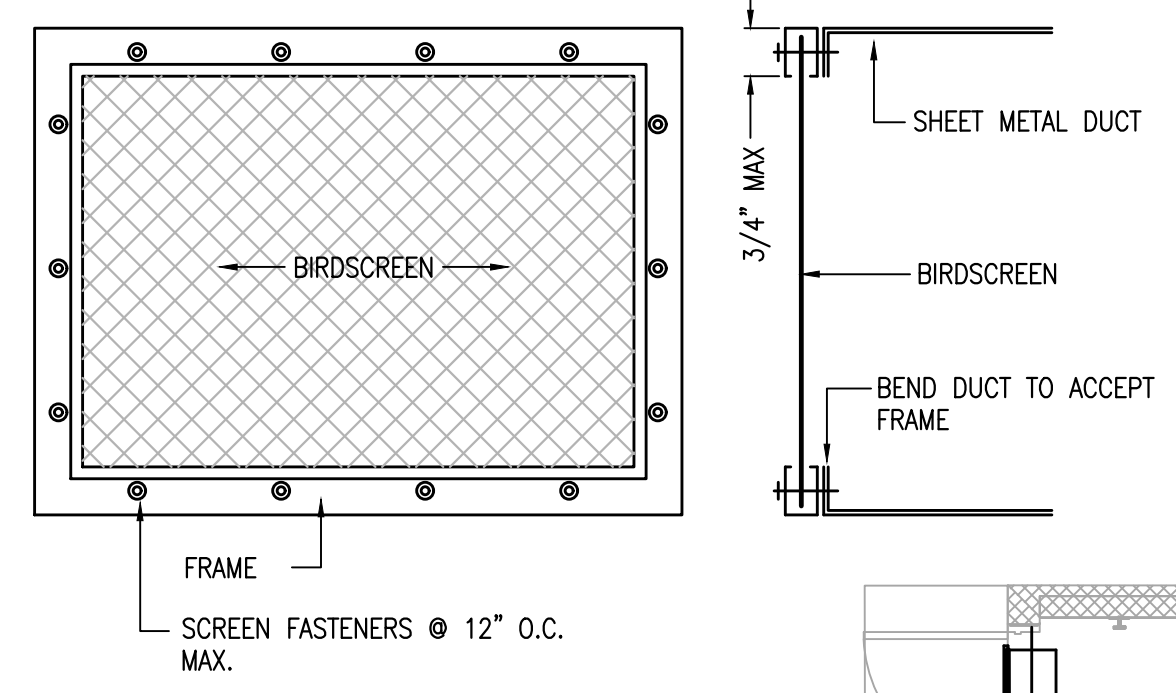
SHEET TITLE
**MECHANICAL:
MAIN CAMP
FLOOR PLANS,
SCHEDULES &
DETAIL**

M1.4
SHEET 2 OF 17

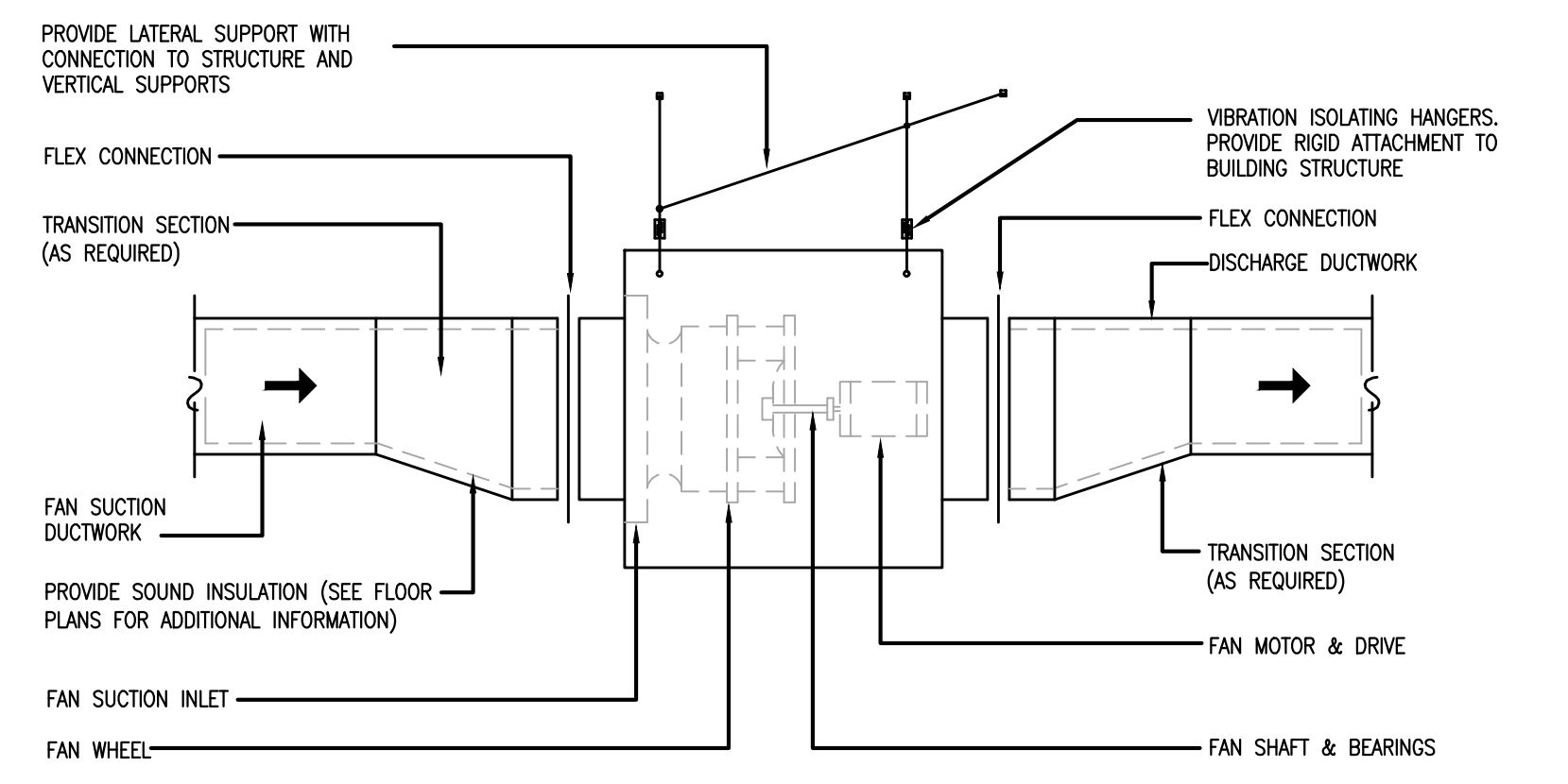
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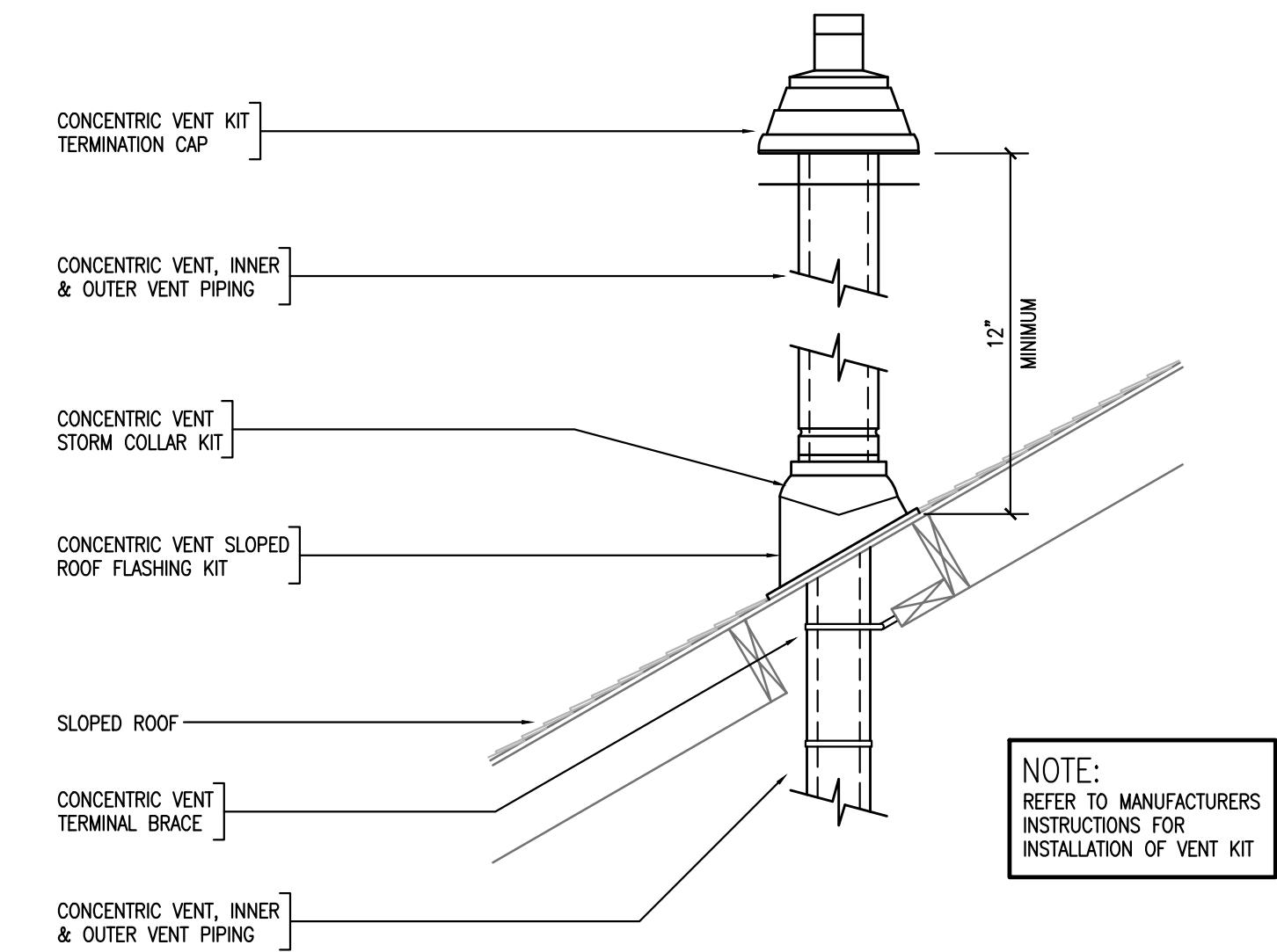
2 TYPICAL LOUVER INSTALLATION DETAIL
M1.5 NOT TO SCALE



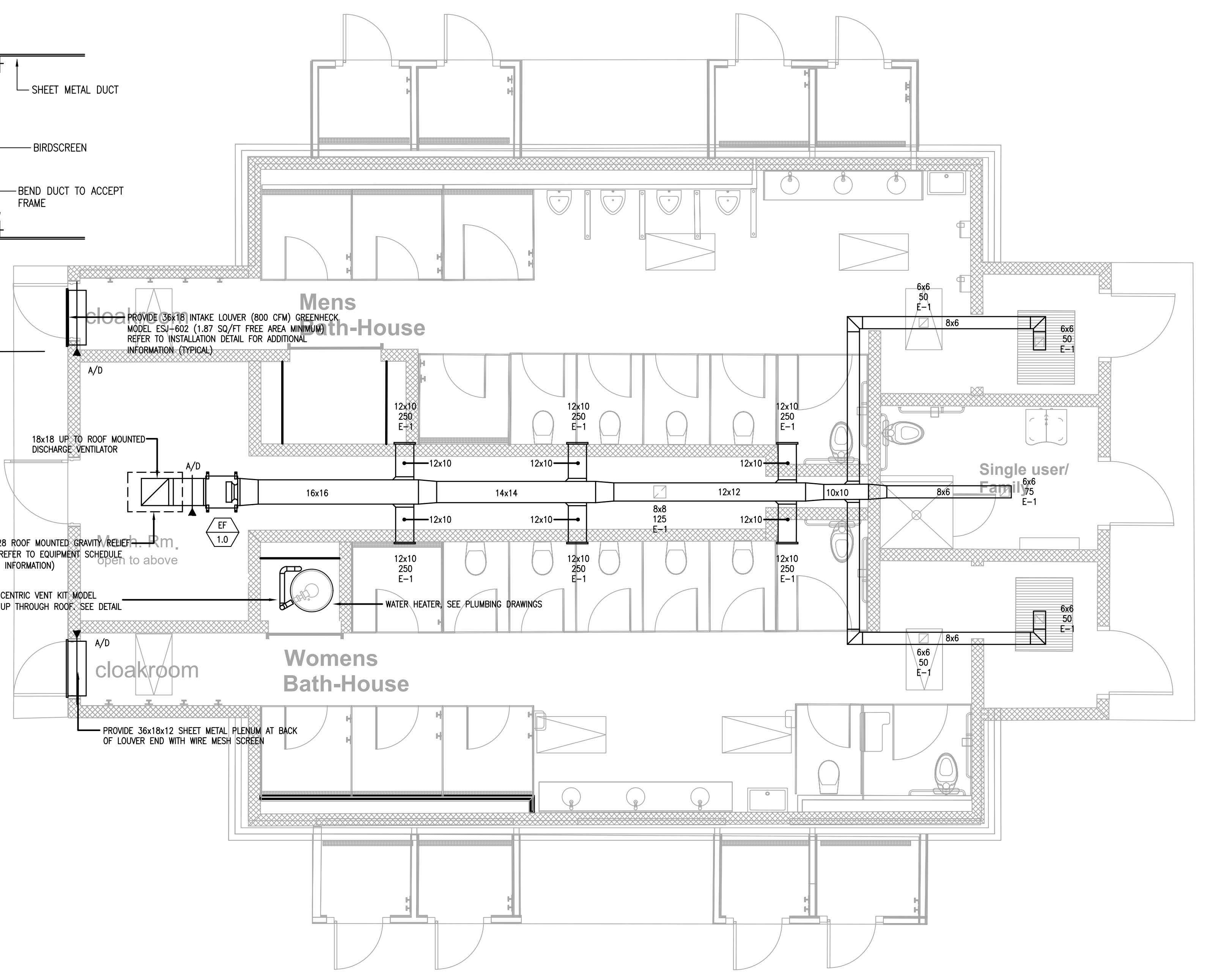
3 TYPICAL BIRDSCREEN & FRAME CONNECTION
M1.5 NOT TO SCALE



4 TYPICAL INLINE FAN INSTALLATION DETAIL
M1.5 NOT TO SCALE



5 VERTICAL TERMINAL VENT KIT DETAIL
M1.5 NOT TO SCALE



1 MECHANICAL: FIRST FLOOR PLAN - MECHANICAL
M1.5 SCALE: 1/4" = 1'-0"

RELIEF HOOD SCHEDULE													
UNIT TAG No.	LOCATION/SERVICE	TYPE	CFM	STATIC PRESSURE (IN. WG)	THROAT AREA (SQ-FT)	THROAT VELOCITY (FT-MIN)	THROAT SIZE LENGTH/WIDTH (INCHES)	HEIGHT (INCHES)	CURB CAP LENGTH/WIDTH (INCHES)	OVERALL LENGTH/WIDTH (INCHES)	WEIGHT (LBS)	MANUFACTURERS MODEL NUMBER	REMARKS
RIH-1.0	ROOF/EF-1.0	RELIEF	1,825	0.091	2.25	811	18x18	23	24x24	36x28	60	GREENHECK MODEL No. FGR	-

PROVIDE WITH THE FOLLOWING OPTIONS/ACCESSORIES: 0.50" GALVANIZED BIRDSCREEN, RIGGED ROOF CURB (CONTRACTOR TO VERIFY PITCH), ENTIRE UNIT & ACCESSORIES WITH PERMETECTOR COATING

FAN SCHEDULE												
UNIT TAG NO.	LOCATION/SERVICE	FAN TYPE	CFM	ESP (IN WC)	SONES RADIATED/INLET	SPEED (RPM)	DRIVE TYPE	ELECTRICAL DATA		WEIGHT LBS	MANUFACTURERS MODEL NUMBER	REMARKS
								HP	VOLTAGE			
EF-1.0	MECHANICAL ROOM/BATHROOMS	INLINE	1,850	0.50	9.7/12.7	1,544	DIRECT	0.75	120/1/60	80	GREENHECK MODEL No. SQ-130-VG	-

PROVIDE WITH THE FOLLOWING OPTIONS/ACCESSORIES: VARI-GREEN EC MOTOR, VARI-GREEN SPEED CONTROL DIAL MOUNTED & WIRED AT EXHAUST FAN BY EXHAUST FAN MANUFACTURER, NEMA 1 DISCONNECT WITH JUNCTION BOX MOUNTED & WIRED BY EXHAUST FAN MANUFACTURER, FAN & ACCESSORIES COATED WITH PERMETECTOR COATING, 1" SPRING HANGING VIBRATION ISOLATORS, GRAVITY OPERATE BACKDRAFT DAMPER (SHIPPED LOOSE FOR FIELD INSTALLATION)

DIFFUSER / REGISTER SCHEDULE			
EXHAUST REGISTERS			
BASED ON PRICE INDUSTRIES			
THROW	MODEL	SYMBOL	
N/A	635	R-1	

PROVIDE WITH THE FOLLOWING OPTIONS/ACCESSORIES: ALUMINUM CONSTRUCTION, 1/2" LOUVER SPACING, FRAME SUITABLE FOR SIDEWALL/DUCT MOUNTING (REFER TO ARCHITECTURAL DRAWINGS) BLADES PARALLEL TO LONG DIMENSION, OPPOSED BLADE DAMPER



GENERAL NOTES

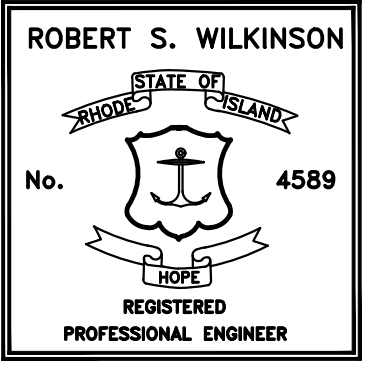
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Coordinate the exact location of all materials with the work of other trades and with the existing conditions prior to installation.

All materials to be removed shall be removed from the project site in their entirety, including all hangers, supports and appurtenances.

The piping layout as indicated is schematic and diagrammatic in scope and is not intended to show all offsets which may be required. The exact pipe route shall be field coordinated. Refer to Architectural Reflected Ceiling Plans and Electrical Plans for the location of ceiling fixtures. All systems shut-downs shall be with prior approval of the Architect and owner. Intentional trip/resetting shall be scheduled to minimize down time. Refer to the PROJECT SPECIFICATION for additional requirements.



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PROJECT NO:

DATE: **8/3/2022**

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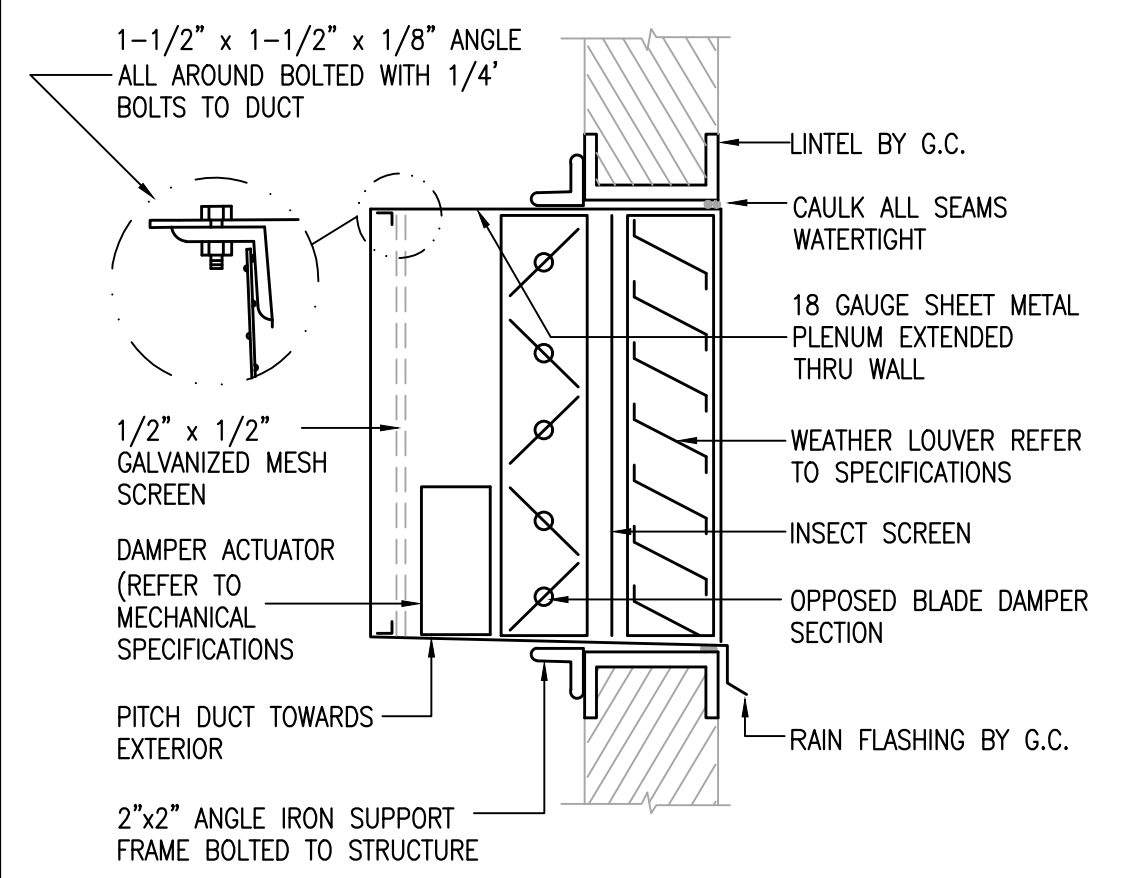
not for construction

SHEET TITLE

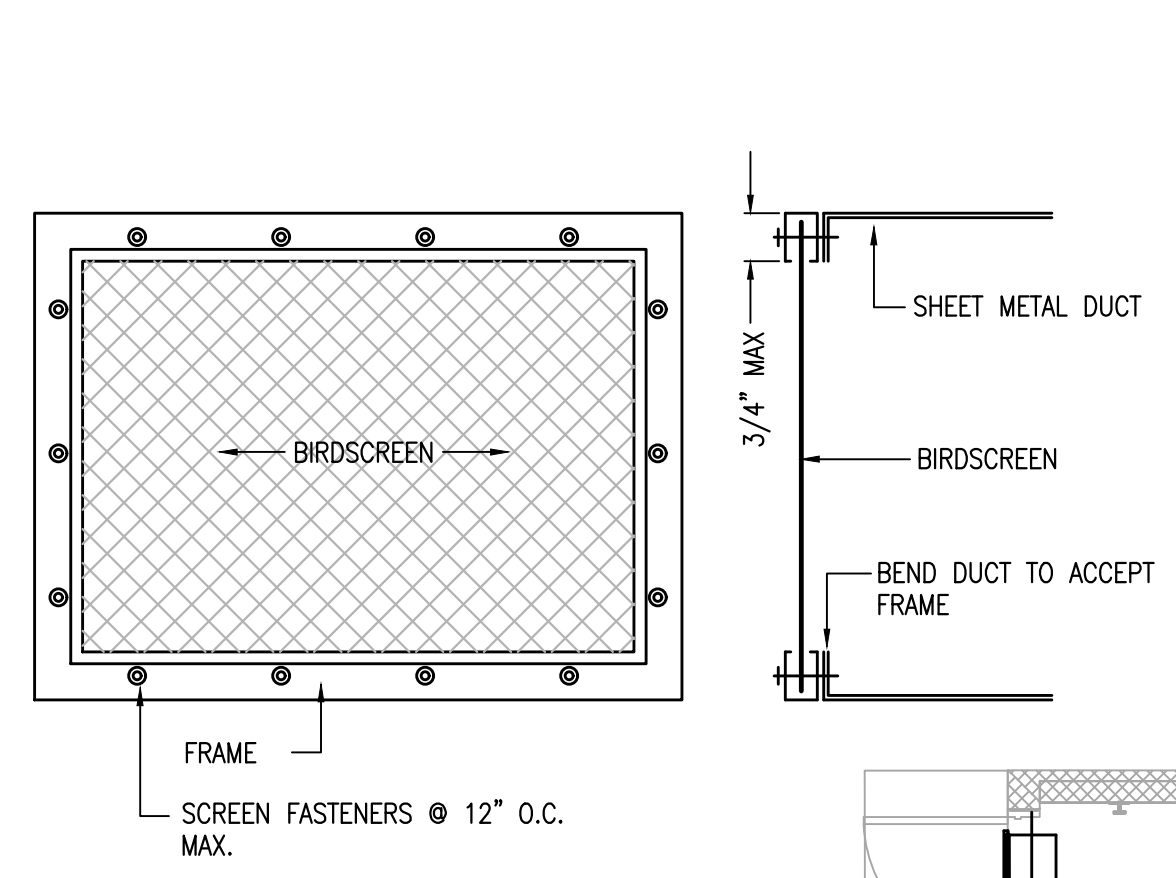
**MECHANICAL:
FISH CAMP
FLOOR PLANS,
SCHEDULES &
DETAIL**

M1.5

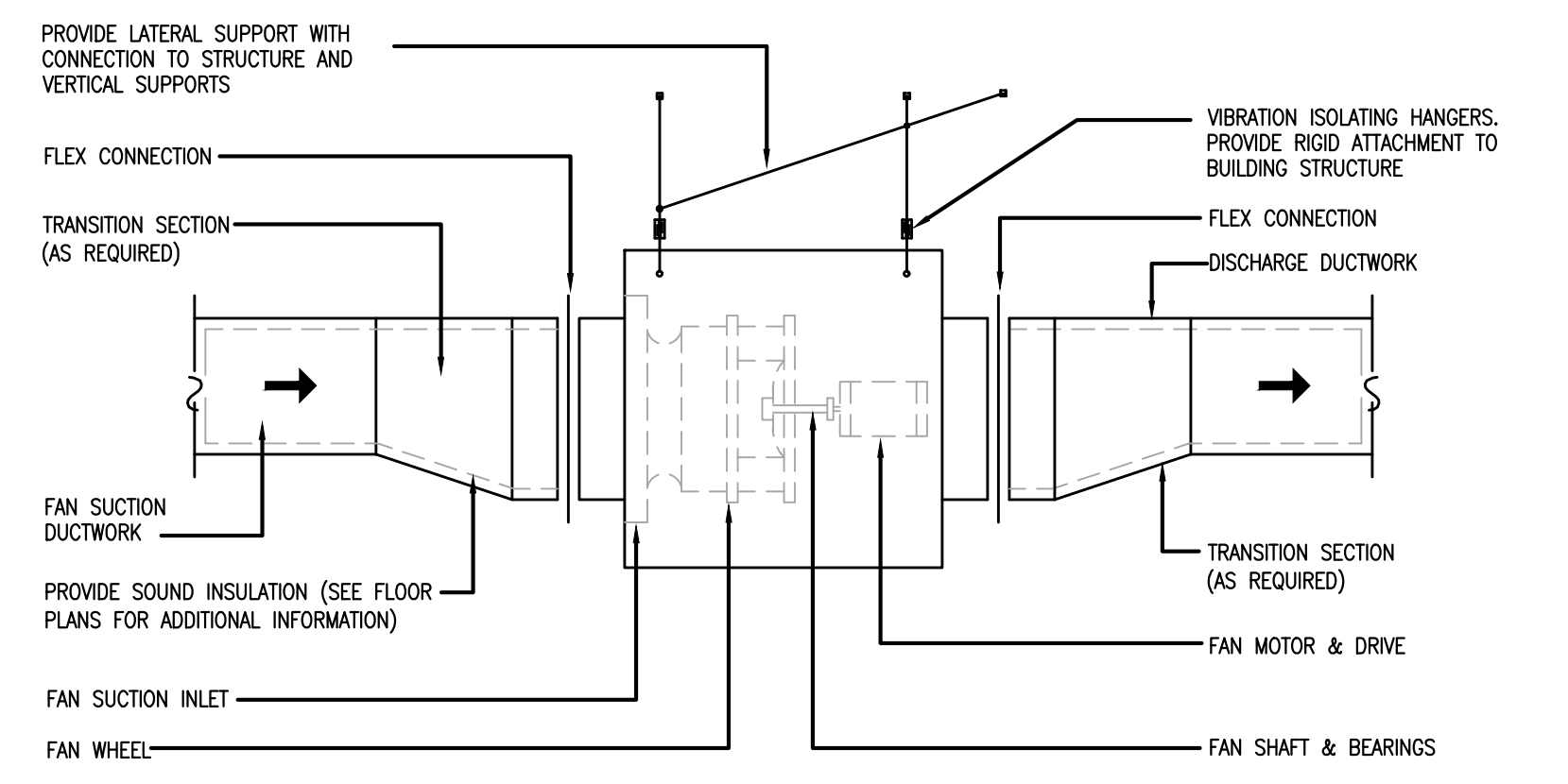
SHEET 2 OF 17



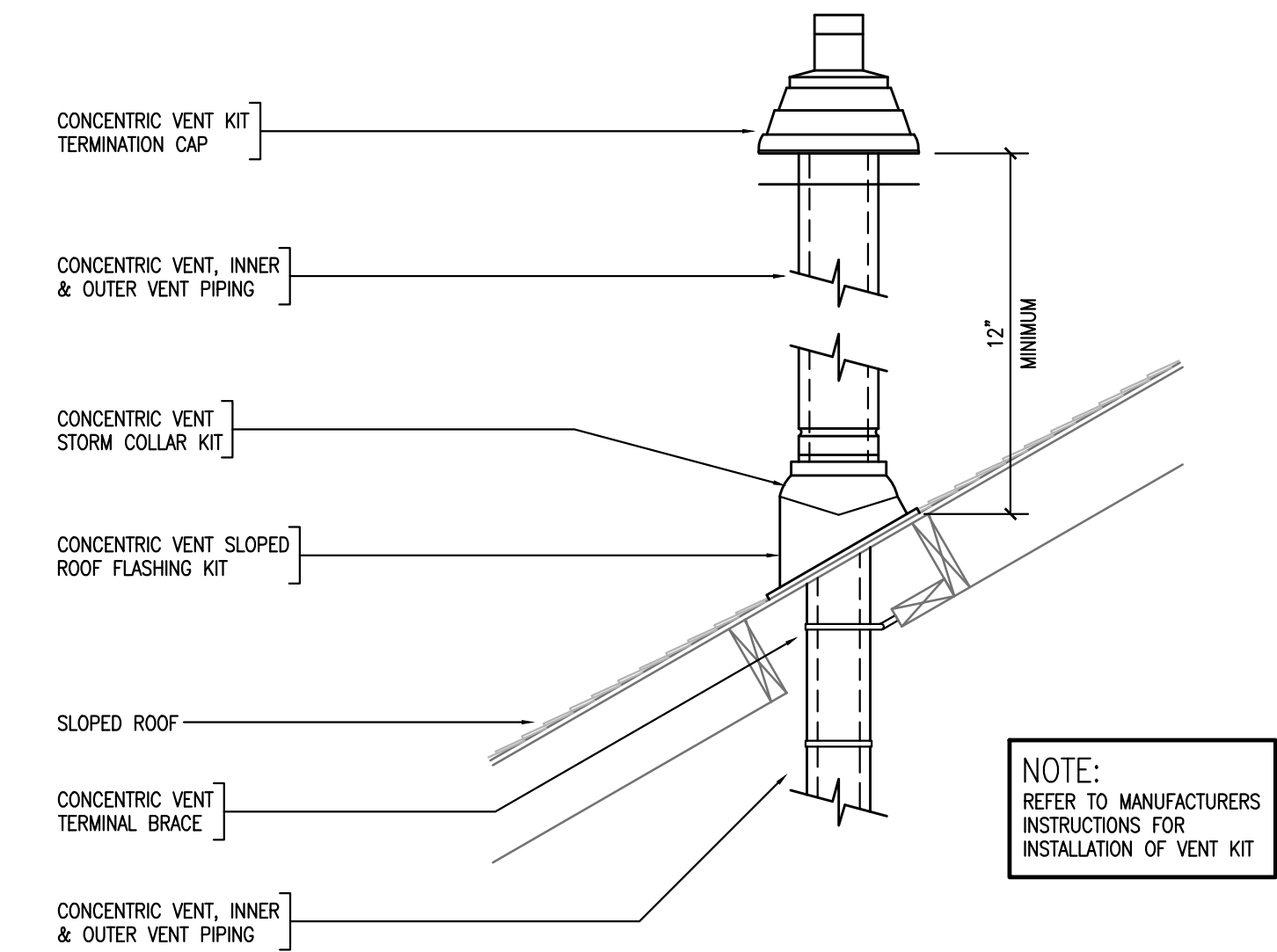
2 TYPICAL LOUVER INSTALLATION DETAIL
M1.6 NOT TO SCALE



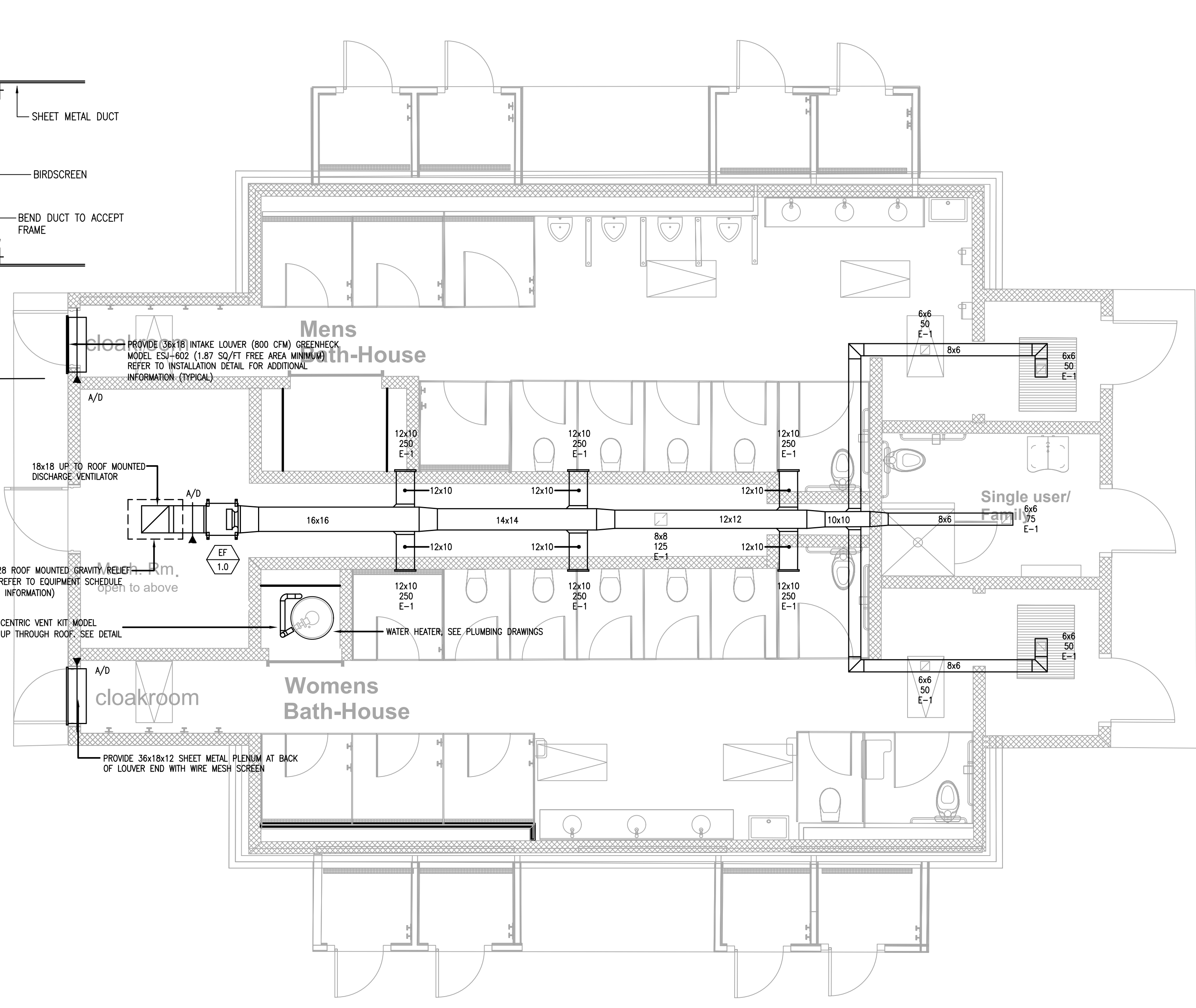
3 TYPICAL BIRDSCREEN & FRAME CONNECTION
M1.6 NOT TO SCALE



4 TYPICAL INLINE FAN INSTALLATION DETAIL
M1.6 NOT TO SCALE



5 VERTICAL TERMINAL VENT KIT DETAIL
M1.6 NOT TO SCALE



1 MECHANICAL: FIRST FLOOR PLAN - MECHANICAL
M1.6 SCALE: 1/4" = 1'-0"

RELIEF HOOD SCHEDULE													
UNIT TAG No.	LOCATION/SERVICE	TYPE	CFM	STATIC PRESSURE (IN. WG)	THROAT AREA (SQ-FT)	THROAT VELOCITY (FT-MIN)	THROAT SIZE LENGTH/WIDTH (INCHES)	HEIGHT (INCHES)	CURB CAP LENGTH/WIDTH (INCHES)	OVERALL LENGTH/WIDTH (INCHES)	WEIGHT (LBS)	MANUFACTURERS MODEL NUMBER	REMARKS
RIH-1.0	ROOF/EF-1.0	RELIEF	1,825	0.091	2.25	811	18x18	23	24x24	36x28	60	GREENHECK MODEL No. FGR	-

PROVIDE WITH THE FOLLOWING OPTIONS/ACCESSORIES: 0.50" GALVANIZED BIRDSCREEN, RIGGED ROOF CURB (CONTRACTOR TO VERIFY PITCH), ENTIRE UNIT & ACCESSORIES WITH PERMETECTOR COATING

FAN SCHEDULE												
UNIT TAG NO.	LOCATION/SERVICE	FAN TYPE	CFM	ESP (IN WC)	SONES RADIATED/INLET	SPEED (RPM)	DRIVE TYPE	ELECTRICAL DATA		WEIGHT LBS	MANUFACTURERS MODEL NUMBER	REMARKS
								HP	VOLTAGE			
EF-1.0	MECHANICAL ROOM/BATHROOMS	INLINE	1,850	0.50	9.7/12.7	1,544	DIRECT	0.75	120/1/60	80	GREENHECK MODEL No. SQ-130-VG	-

PROVIDE WITH THE FOLLOWING OPTIONS/ACCESSORIES: VARI-GREEN EC MOTOR, VARI-GREEN SPEED CONTROL DIAL MOUNTED & WIRED AT EXHAUST FAN BY EXHAUST FAN MANUFACTURER, NEMA 1 DISCONNECT WITH JUNCTION BOX MOUNTED & WIRED BY EXHAUST FAN MANUFACTURER, FAN & ACCESSORIES COATED WITH PERMETECTOR COATING, 1" SPRING HANGING VIBRATION ISOLATORS, GRAVITY OPERATE BACKDRAFT DAMPER (SHIPPED LOOSE FOR FIELD INSTALLATION)

DIFFUSER / REGISTER SCHEDULE			
EXHAUST REGISTERS			
BASED ON PRICE INDUSTRIES			
THROW	MODEL	SYMBOL	
N/A	635	R-1	

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GENERAL NOTES

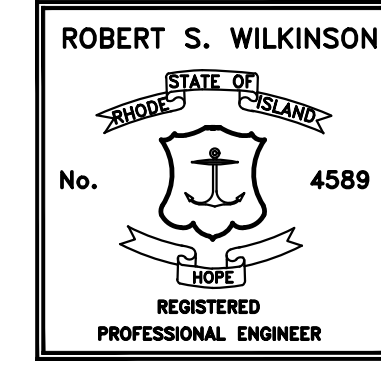
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Coordinate the exact location of all materials with the work of other trades and with the existing conditions prior to installation.

All materials to be removed shall be removed from the project site in their entirety, including all hangers, supports and appurtenances.

The piping layout as indicated is schematic and diagrammatic in scope and is not intended to show all offsets which may be required. The exact pipe route shall be field coordinated. Refer to Architectural Reflected Ceiling Plans, Electrical, and Mechanical drawings for the location of piping and other trades. All plumbing fixtures shall be with prior approval of the architect and owner. Intended to minimize down time. Refer to the PROJECT SPECIFICATION for additional requirements.



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**Burlingame
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Bathouses**

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SHEET TITLE
**MECHANICAL:
LEGION TOWN
FLOOR PLANS,
SCHEDULES &
DETAIL**

M1.6
SHEET 2 OF 17

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GENERAL NOTES

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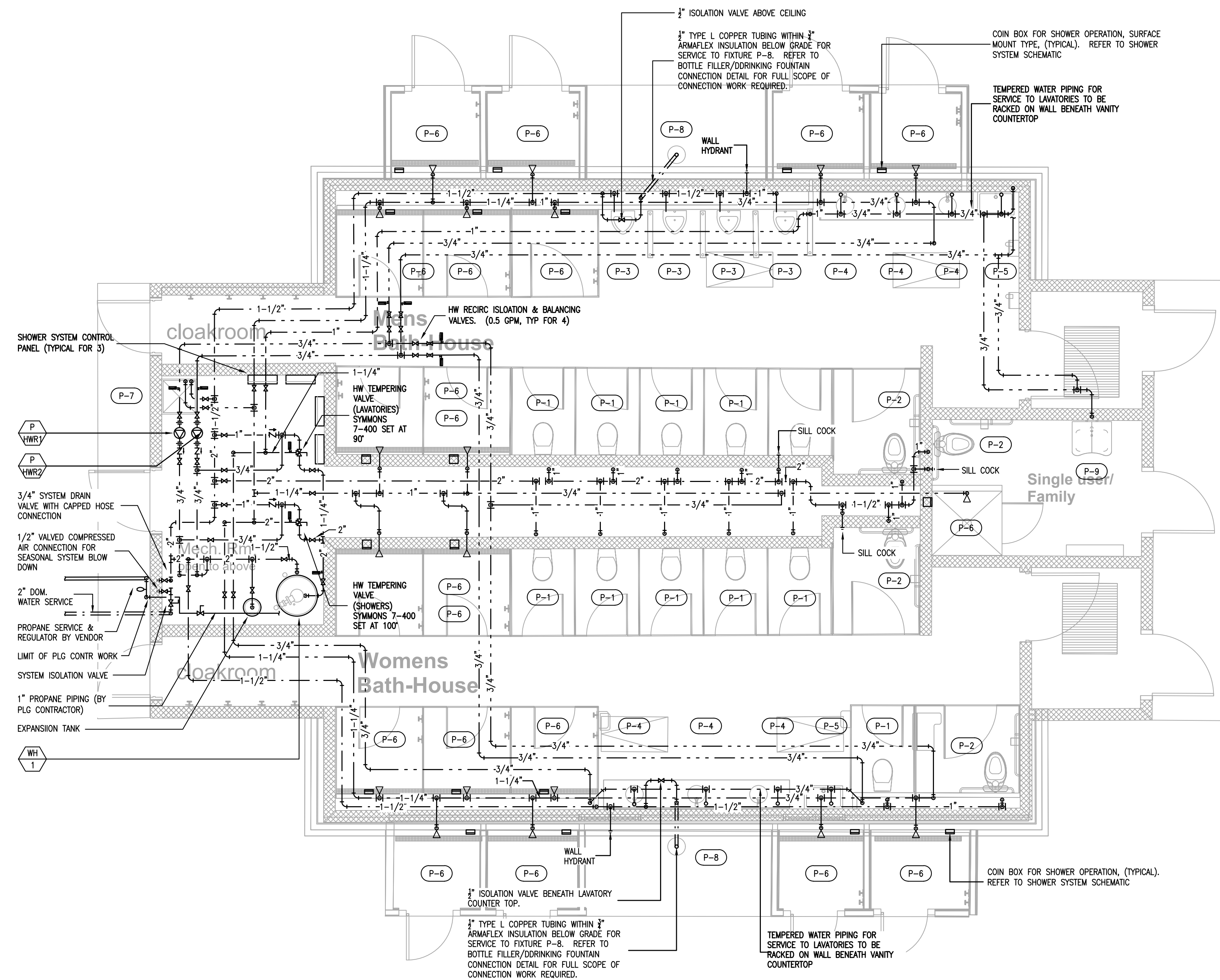
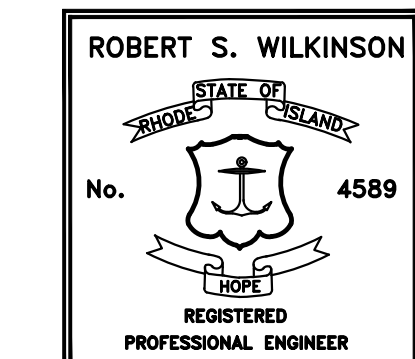
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Refer to Architectural Floor Plan for the exact location and configuration of all plumbing fixtures.

All system shut-downs shall be with prior approval of the Architect and Owner. Interruptions to services shall be scheduled to minimize down time.

Refer to the PROJECT SPECIFICATION for additional requirements.



1 PLUMBING: BUILDING "A" - DOMESTIC H&CW SYSTEMS

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



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Burlingame State Park Bathouses

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DATE: **10/6/2023**
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SHEET TITLE
PLUMBING: BUILDING "A" DOMESTIC HOT & COLD WATER PIPING

P1.1
SHEET 2 OF 17



GENERAL NOTES

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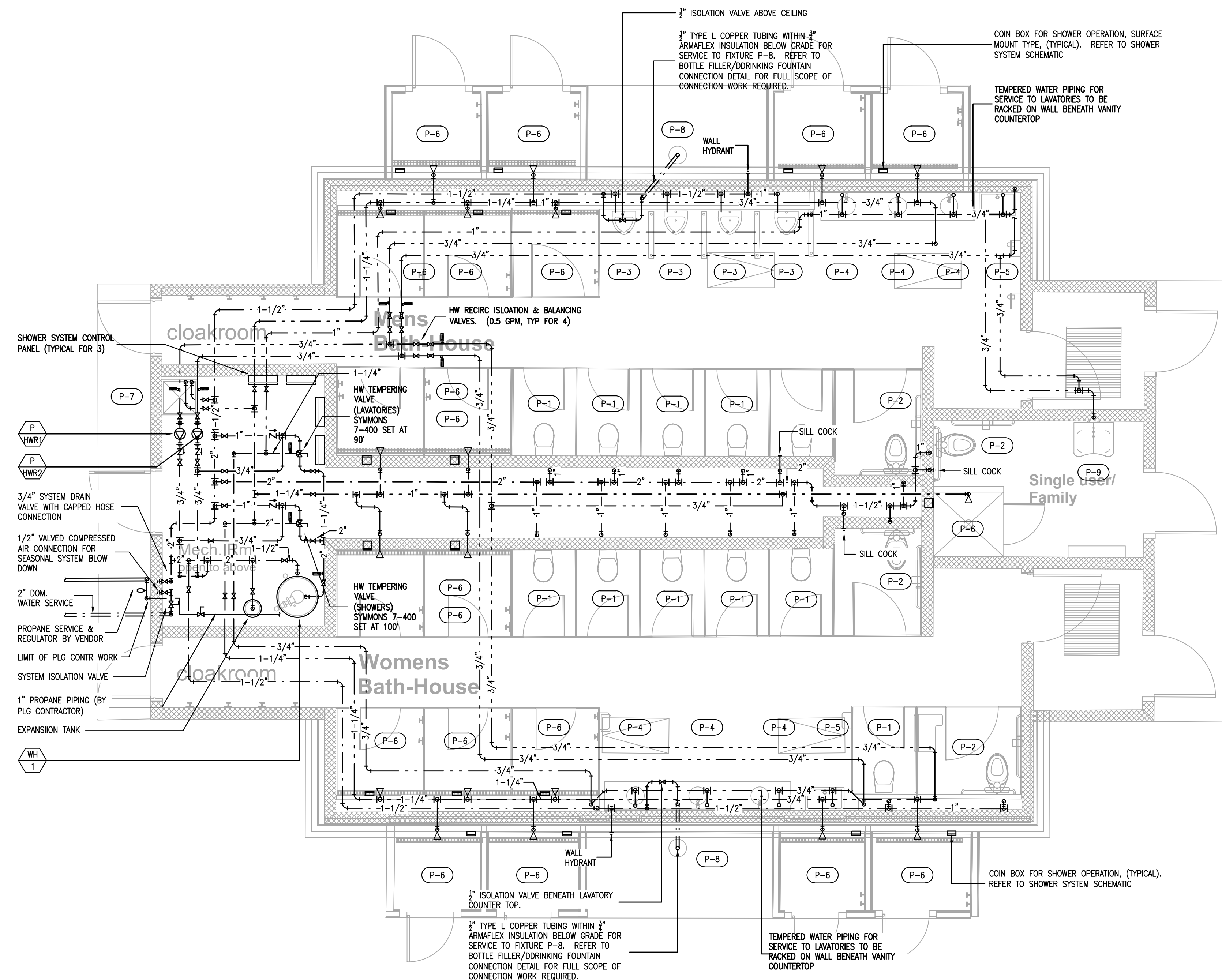
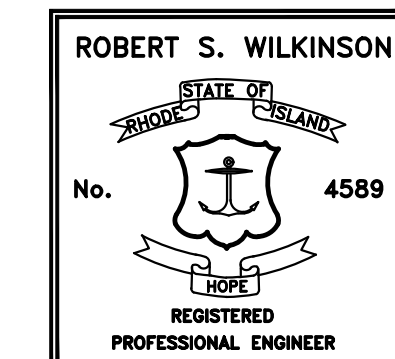
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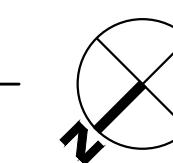
Refer to Architectural Floor Plan for the exact location and configuration of all plumbing fixtures.

All system shut-downs shall be with prior approval of the Architect and Owner. Interruptions to services shall be scheduled to minimize down time.

Refer to the PROJECT SPECIFICATION for additional requirements.



1 PLUMBING: BUILDING "B" - DOMESTIC H&CW SYSTEMS
 P1.2 SCALE: 1/4" = 1'-0"



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Burlingame State Park Bathouses

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SHEET TITLE
PLUMBING BUILDING "B" DOMESTIC HOT & COLD WATER PIPING

P1.2
 SHEET 2 OF 17

GENERAL NOTES

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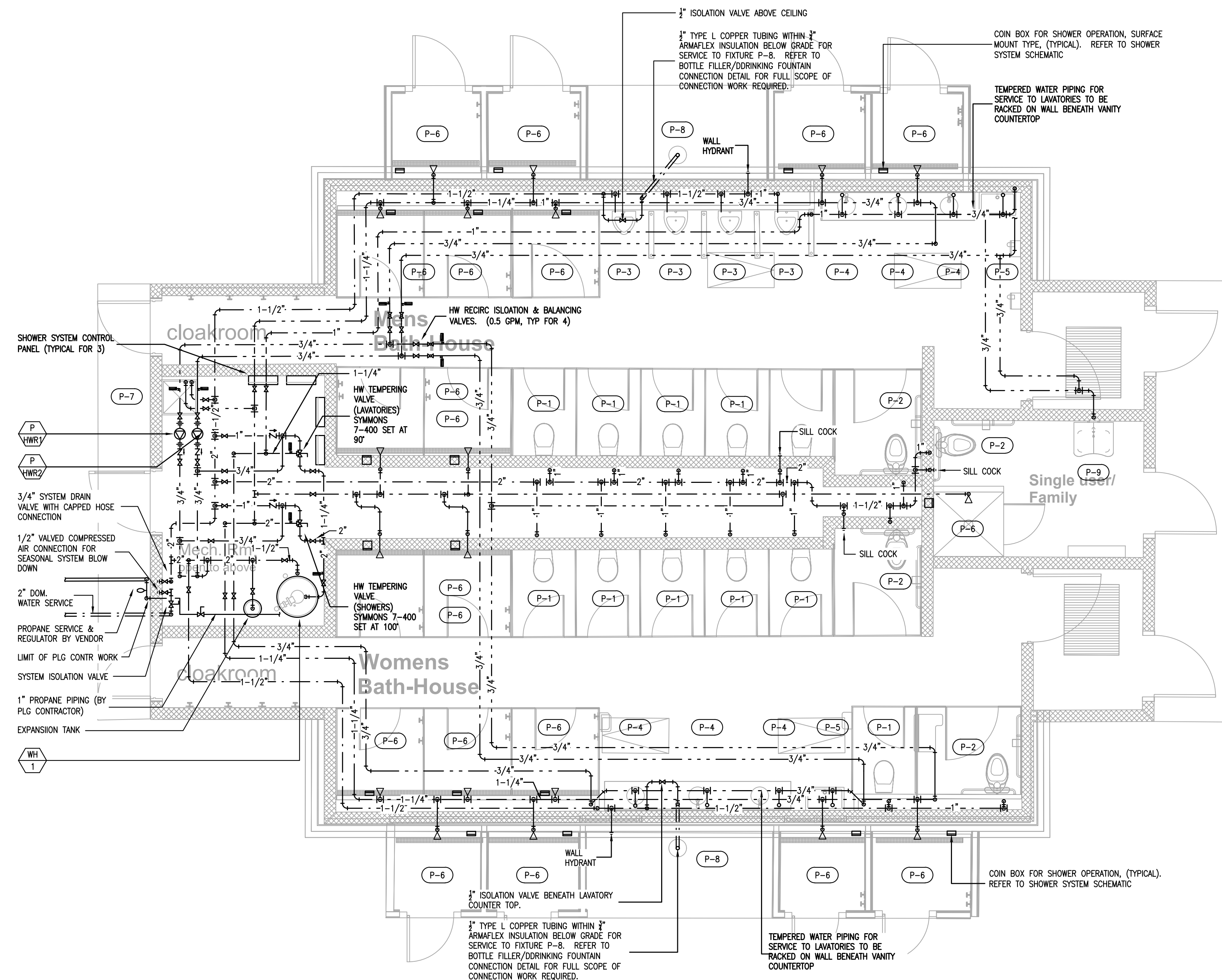
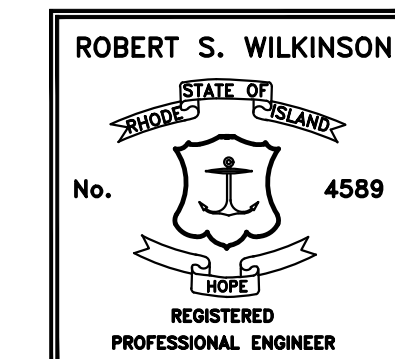
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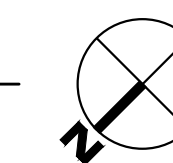
Refer to Architectural Floor Plan for the exact location and configuration of all plumbing fixtures.

All system shut-downs shall be with prior approval of the Architect and Owner. Interruptions to services shall be scheduled to minimize down time.

Refer to the PROJECT SPECIFICATION for additional requirements.



1 PLUMBING: MILLS CAMP - DOMESTIC H&CW SYSTEMS
P1.3 SCALE: 1/4" = 1'-0"



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Burlingame State Park Bathouses

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SHEET TITLE
PLUMBING MILLS CAMP DOMESTIC HOT & COLD WATER PIPING

P1.3
SHEET 2 OF 17

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GENERAL NOTES

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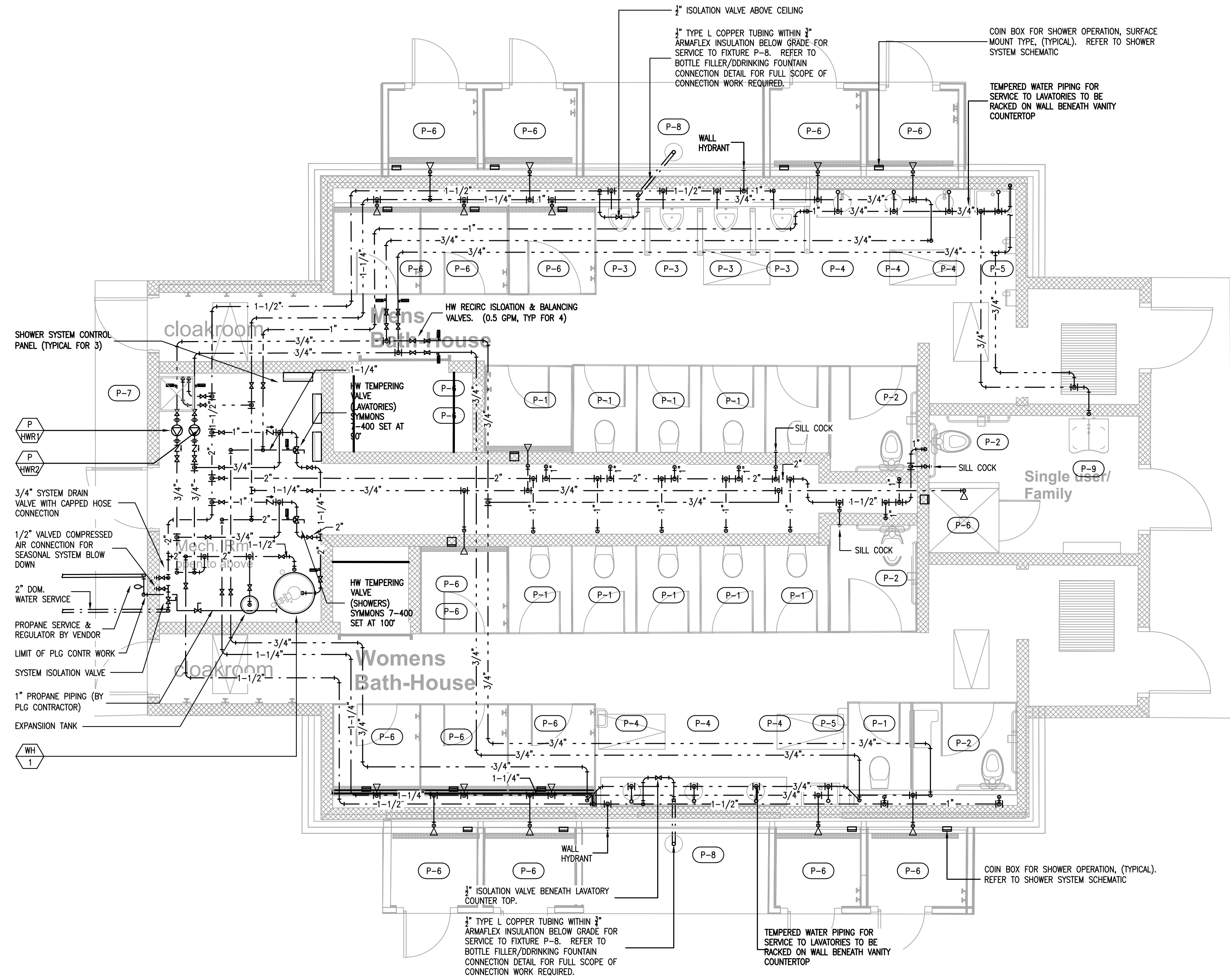
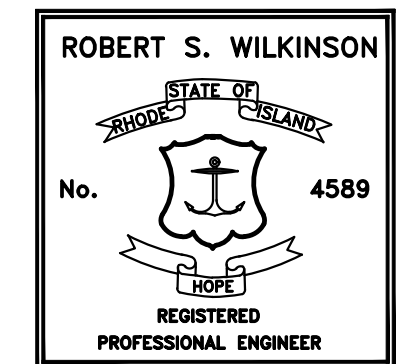
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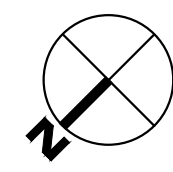
Refer to Architectural Floor Plan for the exact location and configuration of all plumbing fixtures.

All system shut-downs shall be with prior approval of the Architect and Owner. Interruptions to services shall be scheduled to minimize down time.

Refer to the PROJECT SPECIFICATION for additional requirements.



1 PLUMBING: MAIN CAMP FLOOR PLAN - DOMESTIC H&CW SYSTEMS
 P1.4 SCALE: 1/4" = 1'-0"



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MARK	DATE	DESCRIPTION

PROJECT NO:
 DATE: **8/3/2022**
 DRAWN BY: MJG
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SHEET TITLE
**PLUMBING:
 MAIN CAMP
 DOMESTIC HOT &
 COLD WATER
 PIPING**

P1.4
 SHEET 2 OF 17

GENERAL NOTES

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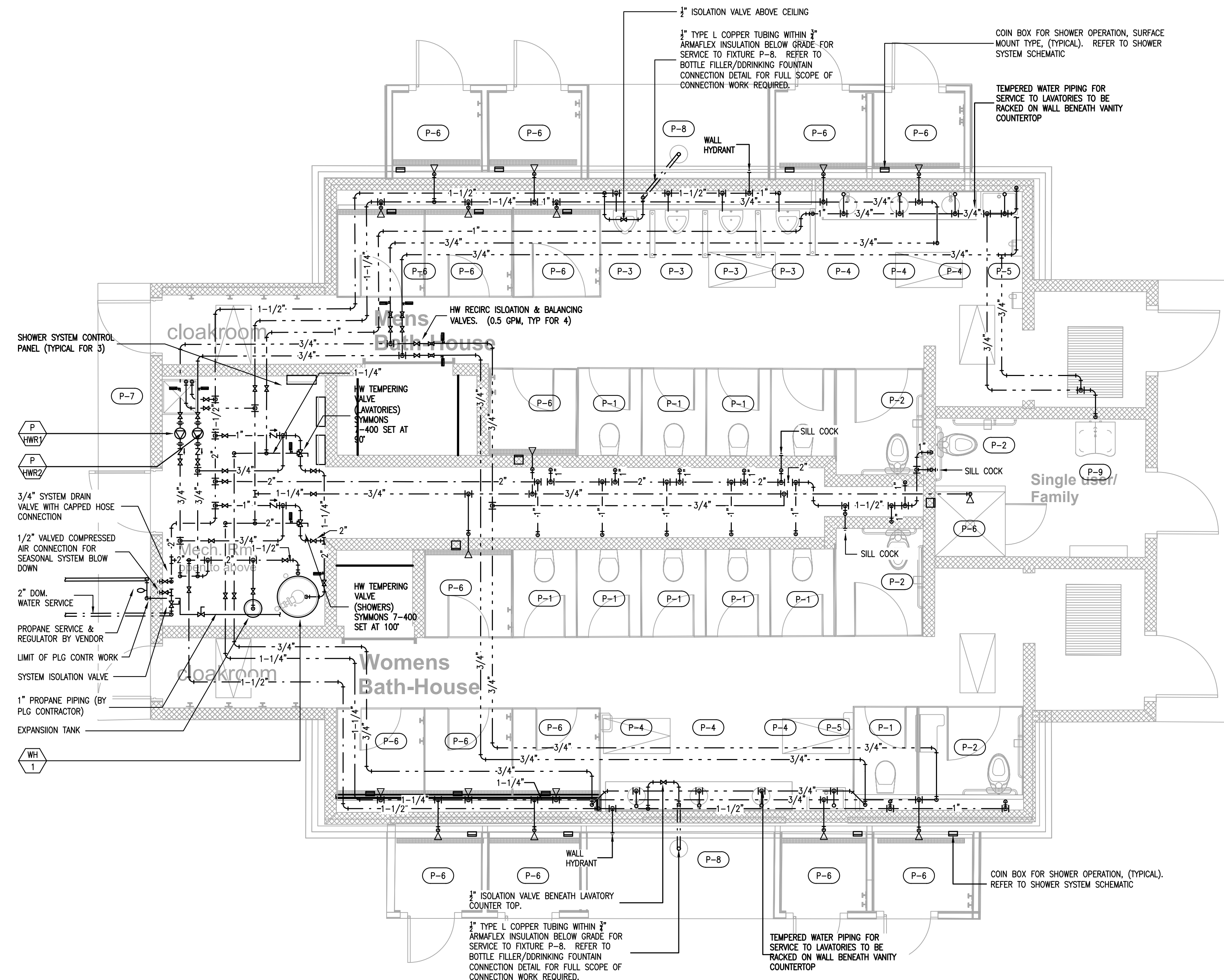
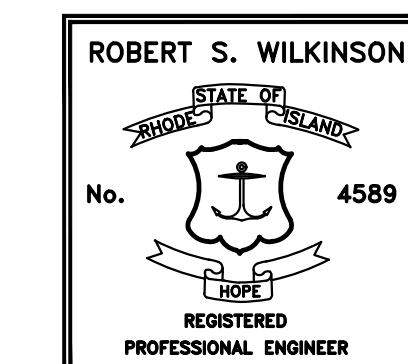
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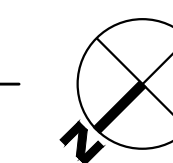
Refer to Architectural Floor Plan for the exact location and configuration of all plumbing fixtures.

All system shut-downs shall be with prior approval of the Architect and Owner. Interruptions to services shall be scheduled to minimize down time.

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1 PLUMBING: FISH CAMP FLOOR PLAN - DOMESTIC H&CW SYSTEMS
 P1.5 SCALE: 1/4" = 1'-0"



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MARK	DATE	DESCRIPTION

PROJECT NO:

DATE: **8/3/2022**

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SHEET TITLE

**PLUMBING:
 FISH CAMP
 DOMESTIC HOT &
 COLD WATER
 PIPING**

P1.5

SHEET 2 OF 17

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George S. Burman, Architect

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**Bath-Houses
Main Camp,
Fish camp &
Legion Town**

**Burlingame
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Bathouses**

RI- Department
of
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235 Promenade Street
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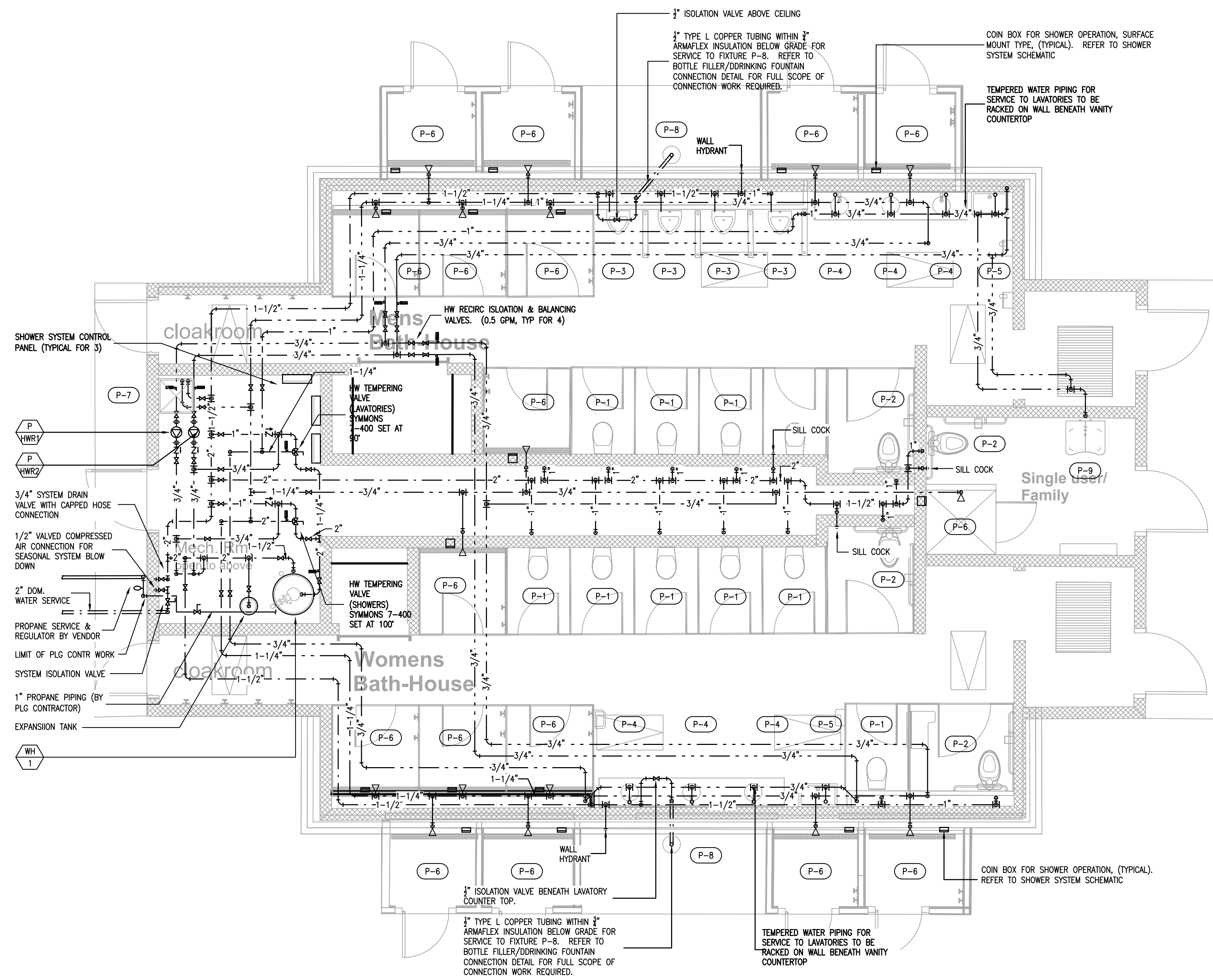
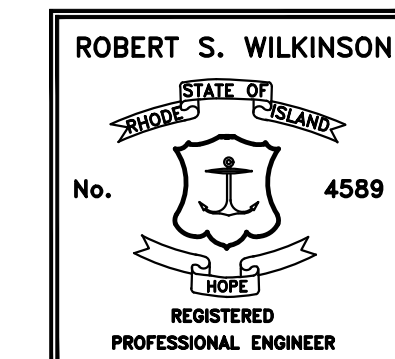
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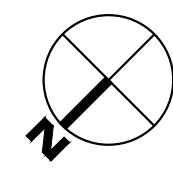
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1 PLUMBING: LEGION TOWN FLOOR PLAN - DOMESTIC H&CW SYSTEMS
P1.6 SCALE: 1/4" = 1'-0"



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SHEET TITLE

**PLUMBING:
LEGION TOWN
DOMESTIC HOT &
COLD WATER
PIPING**

P1.6
SHEET 2 OF 17

S:\Dropbox\20027 RIDEM Burlingame Bathhouse\20027 - Plumbing Model - A2 Mills - 2023-08-30.dwg 10/17/2023 3:20 PM



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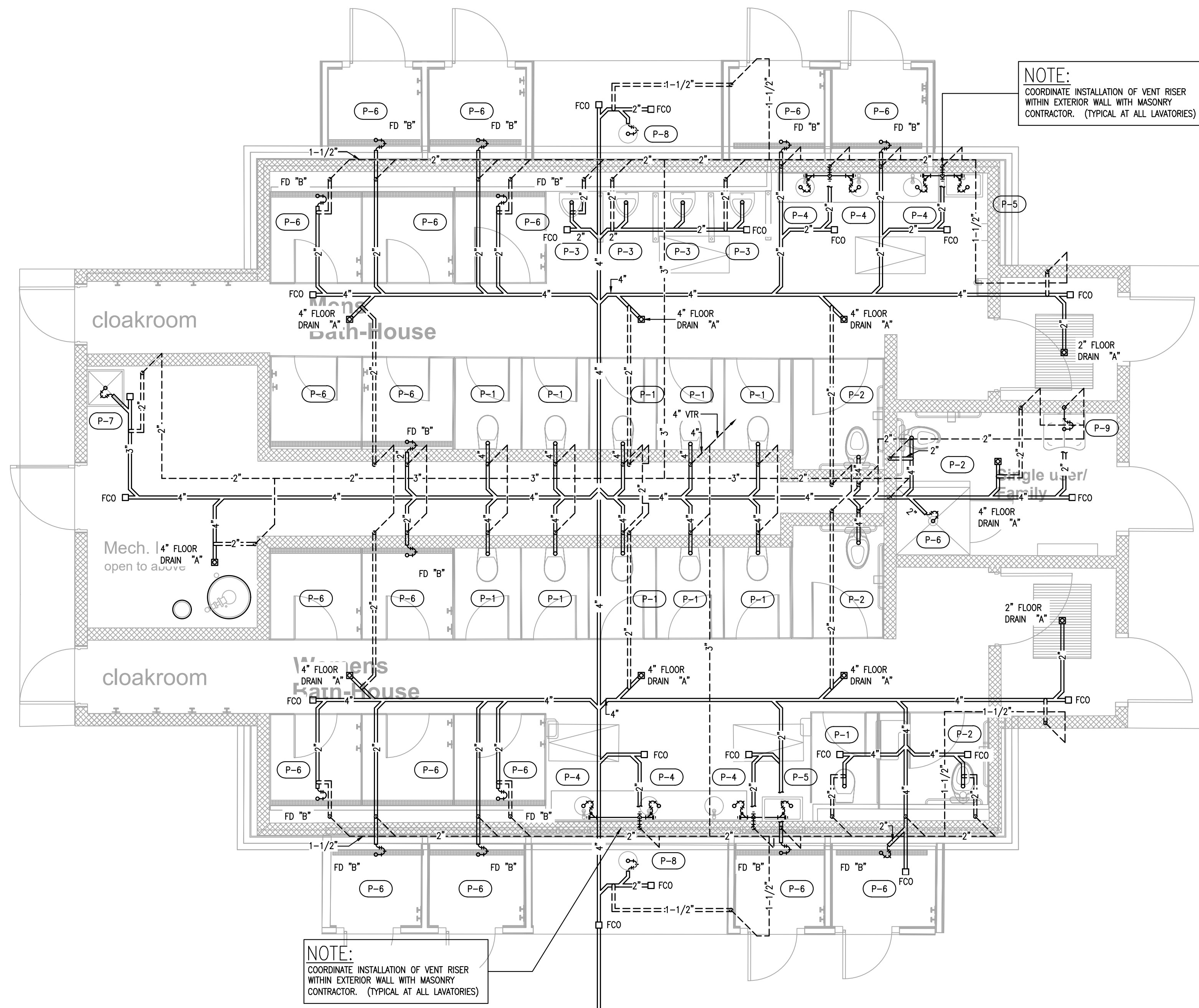
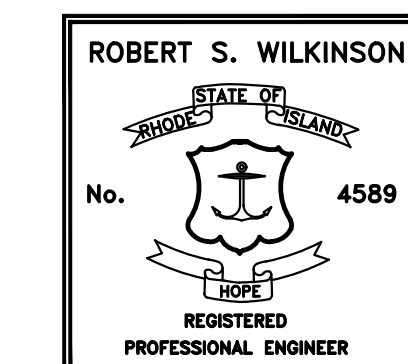
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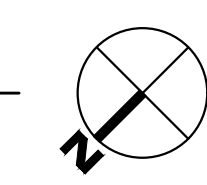
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1 PLUMBING: BUILDING "B" - DOMESTIC SANITARY W&V SYSTEMS
SCALE: 1/4" = 1'-0"



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SHEET TITLE
PLUMBING BUILDING "B" SANITARY WASTE & VENT PIPING

P2.1
SHEET 2 OF 17

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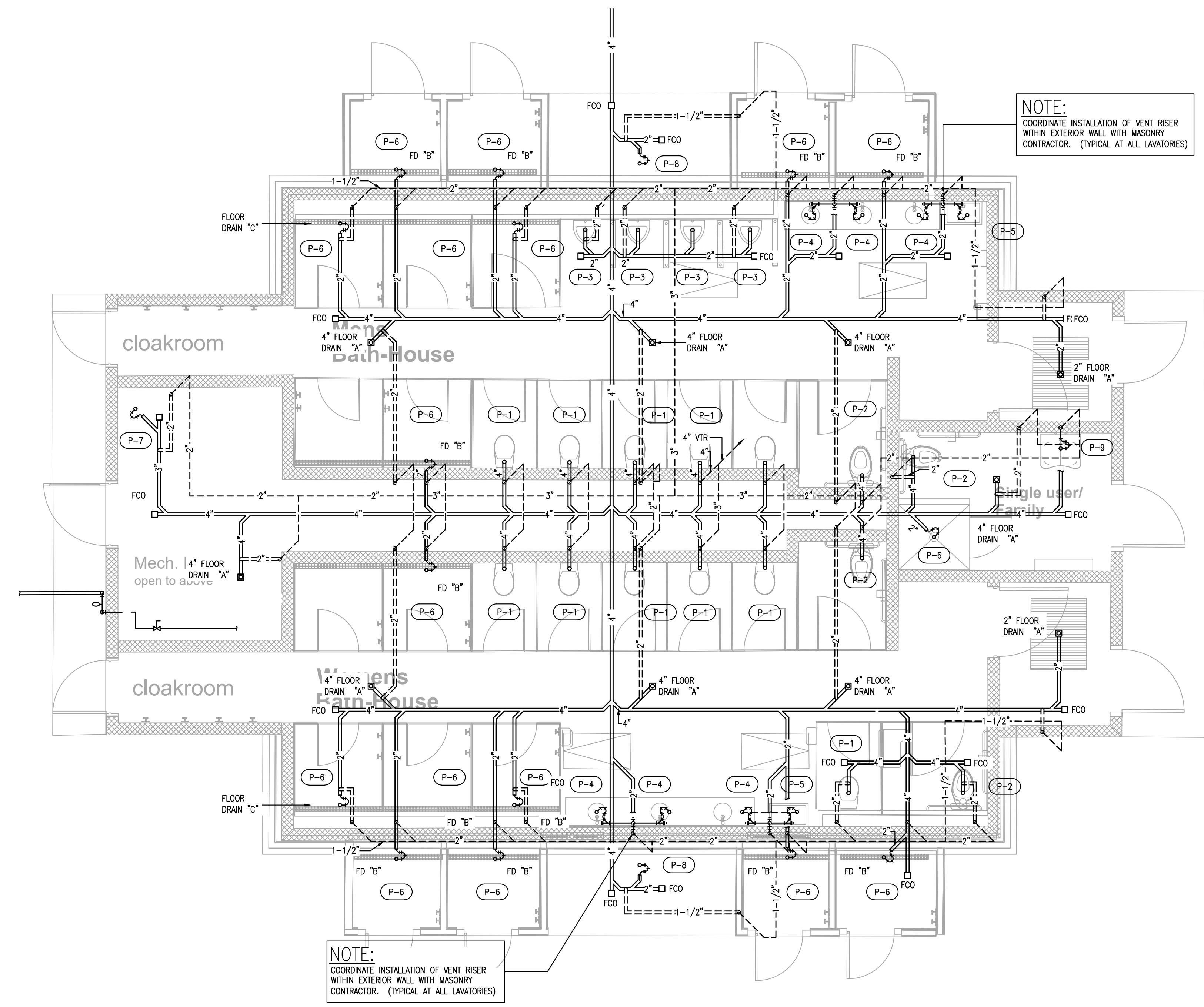
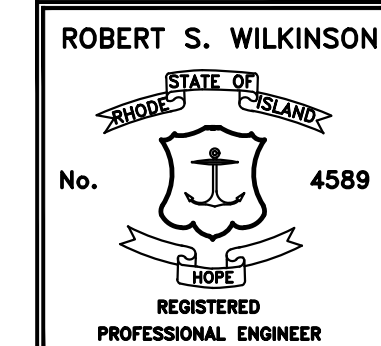
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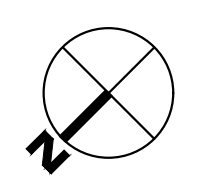
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1 PLUMBING: BUILDING "B" - DOMESTIC SANITARY W&V SYSTEMS
P2.2 SCALE: 1/4" = 1'-0"



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SHEET TITLE
PLUMBING BUILDING "B" SANITARY WASTE & VENT PIPING

P2.2
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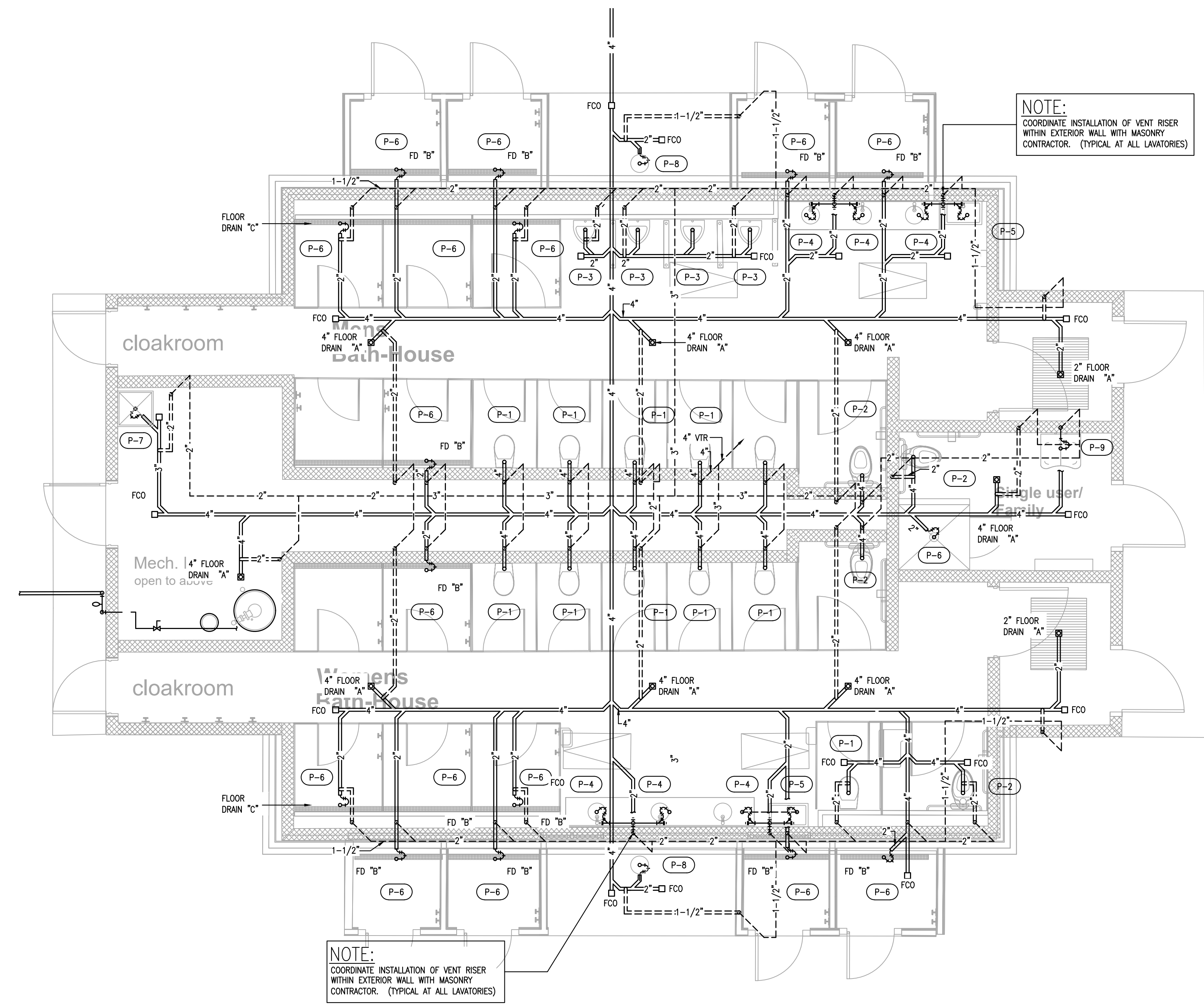
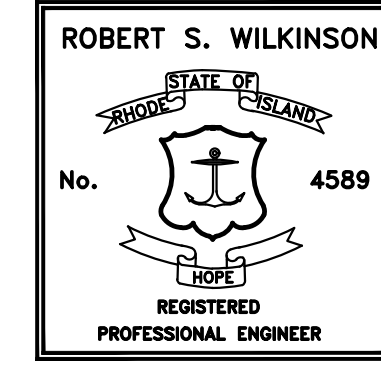
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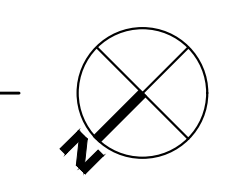
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1 PLUMBING: MILLS CAMP - DOMESTIC SANITARY W&V SYSTEMS
P2.3 SCALE: 1/4" = 1'-0"



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SHEET TITLE
PLUMBING MILLS CAMP SANITARY WASTE & VENT PIPING

P2.3
SHEET 2 OF 17

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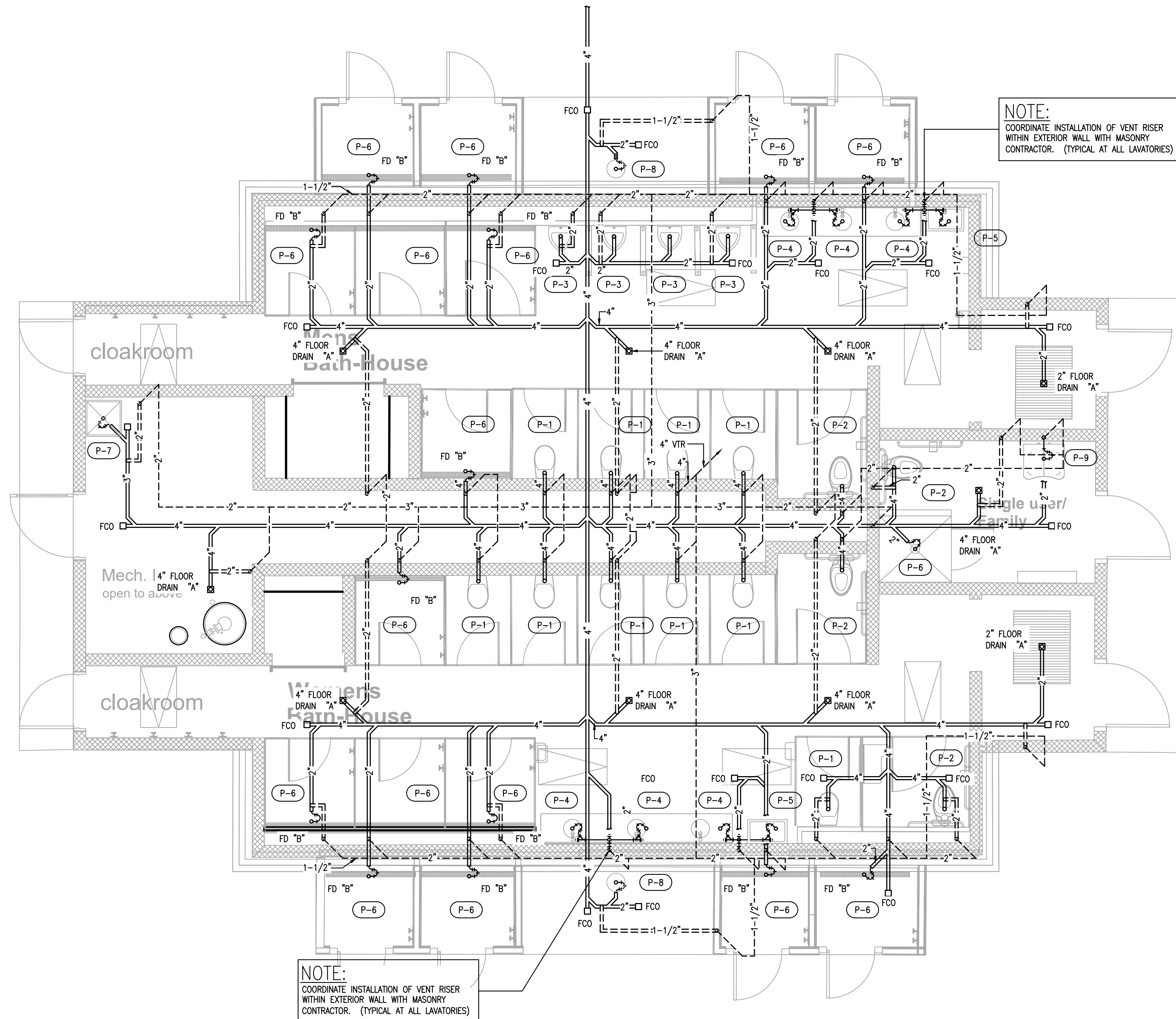
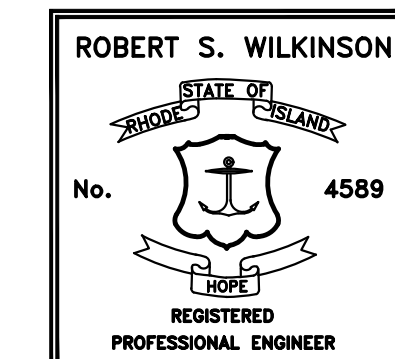
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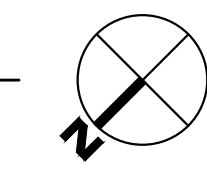
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1 PLUMBING: MAIN CAMP FLOOR PLAN - DOMESTIC SANITARY W&V SYSTEMS
P2.4 SCALE: 1/4" = 1'-0"



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SHEET TITLE
**PLUMBING:
MAIN CAMP
SANITARY WASTE
& VENT PIPING**

P2.4
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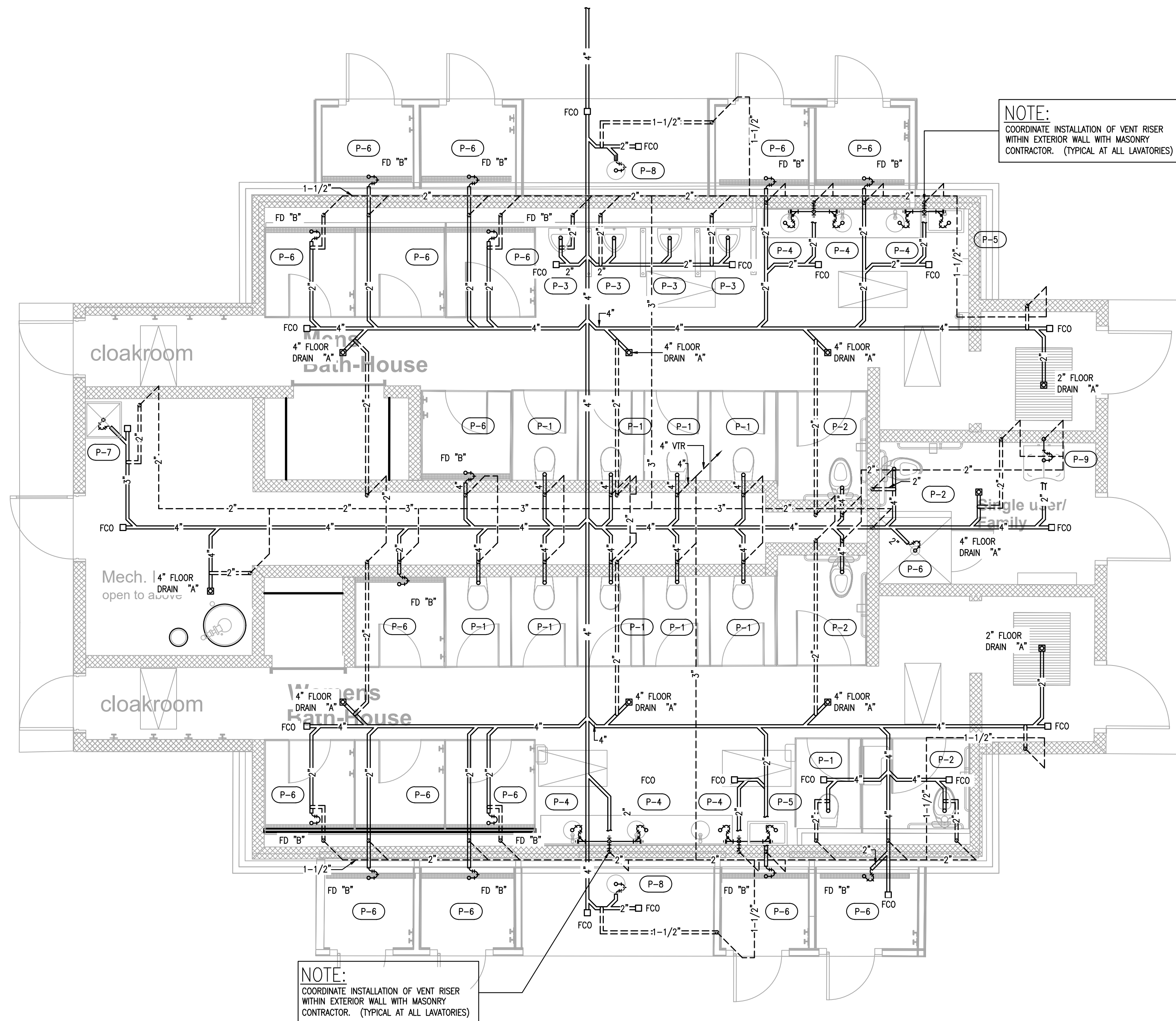
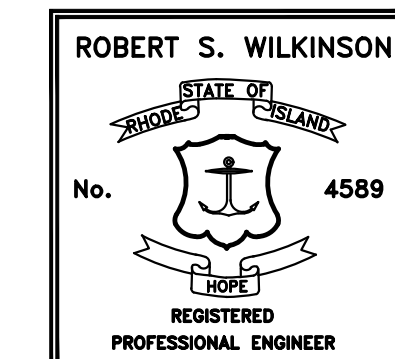
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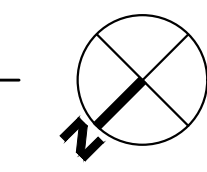
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1 PLUMBING: FISH CAMP FLOOR PLAN - DOMESTIC SANITARY W&V SYSTEMS
 P2.5 SCALE: 1/4" = 1'-0"



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**PLUMBING:
 FISH CAMP
 SANITARY WASTE
 & VENT PIPING**

P2.5
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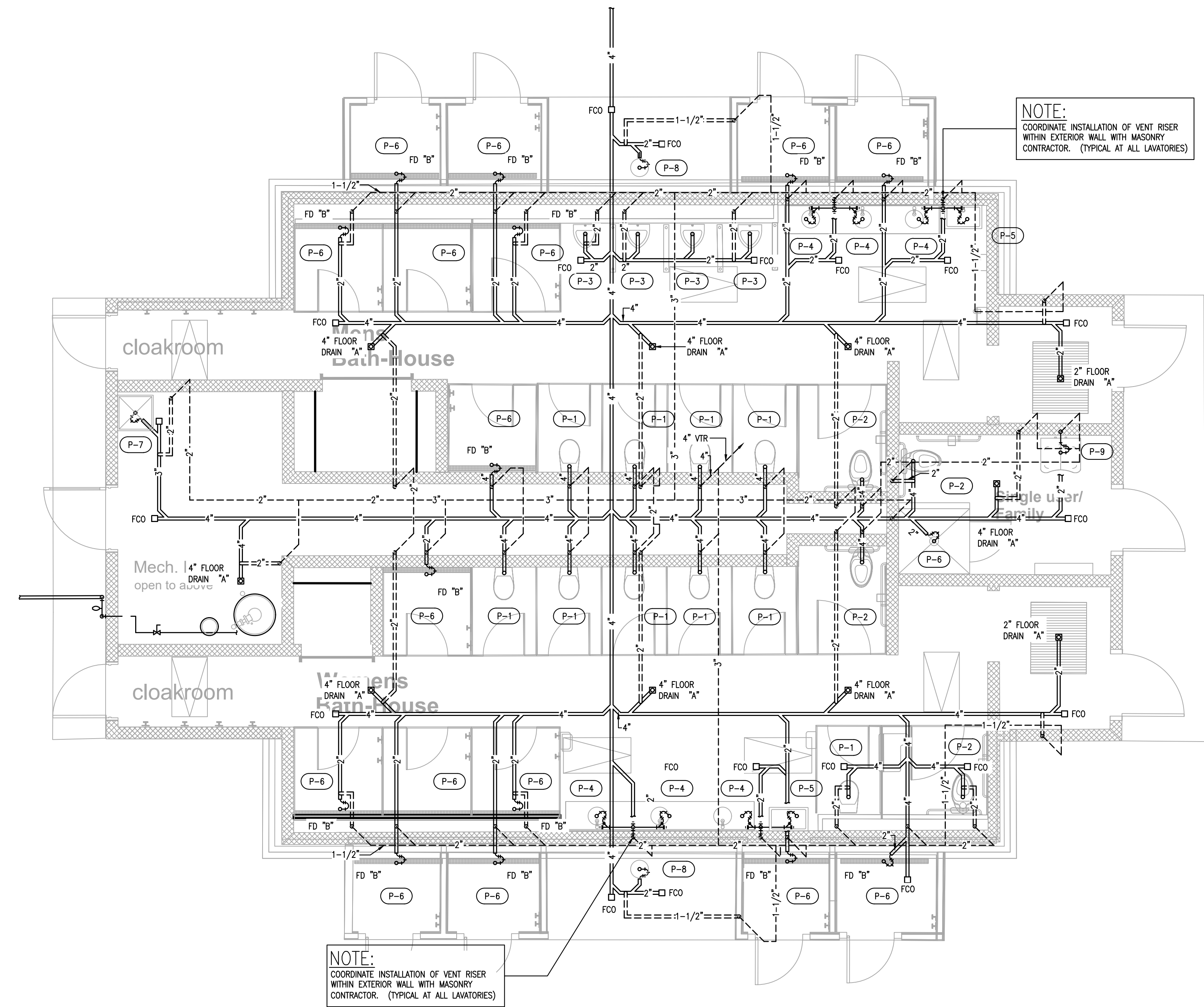
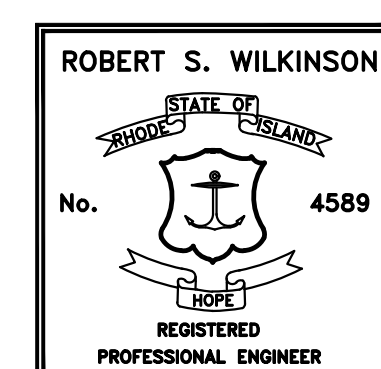
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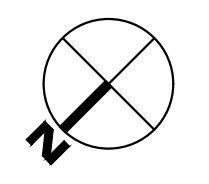
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1 PLUMBING: LEGION TOWN FLOOR PLAN - DOMESTIC SANITARY W&V SYSTEMS
 P2.6 SCALE: 1/4" = 1'-0"



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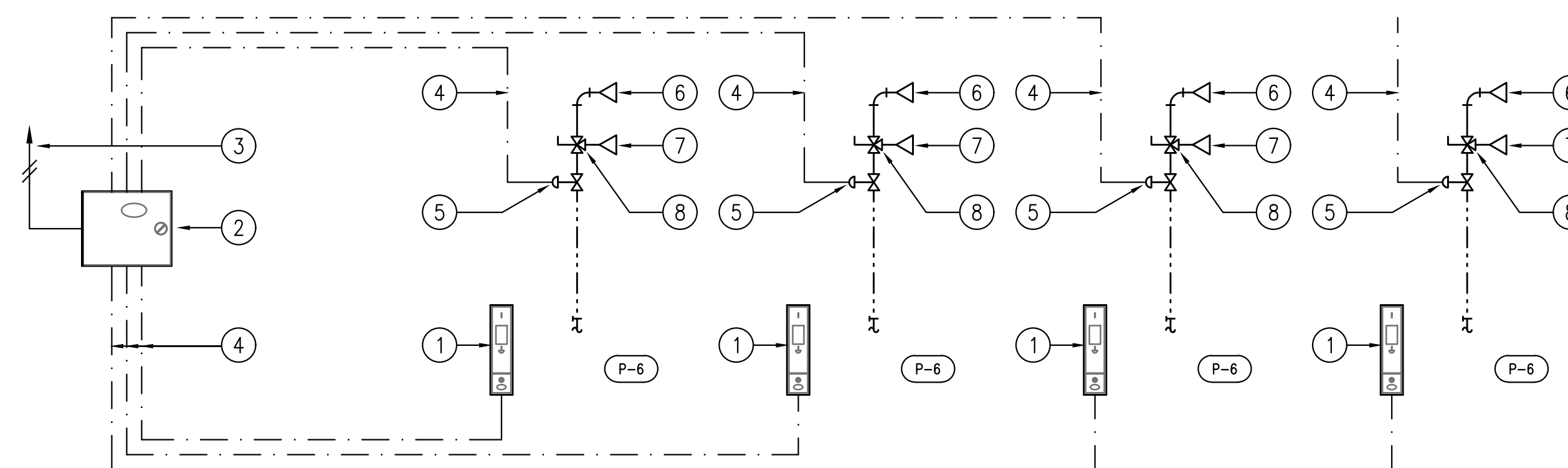
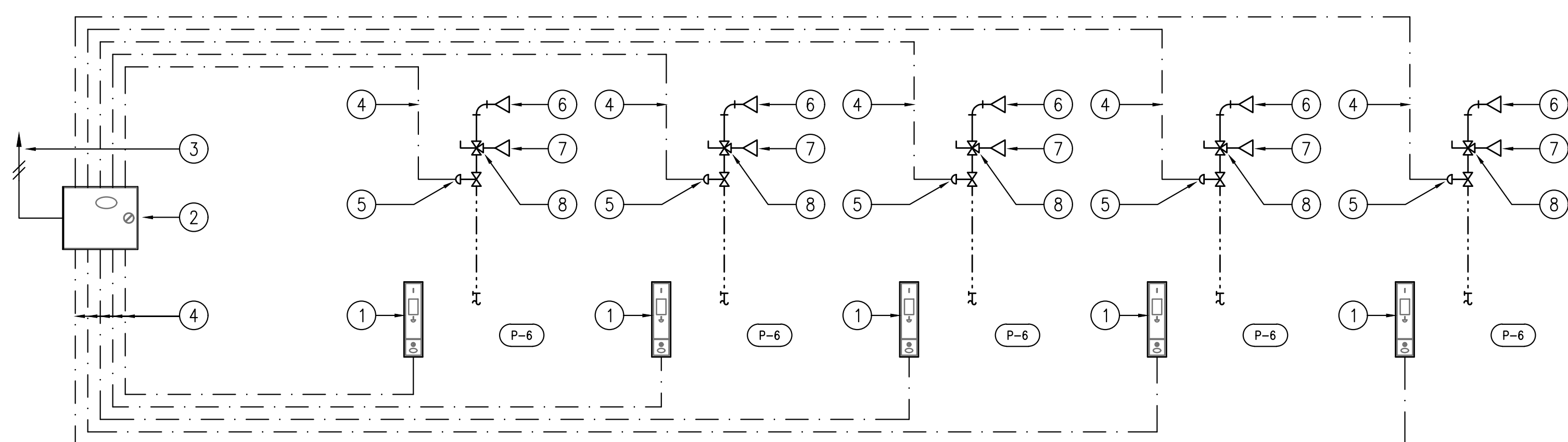
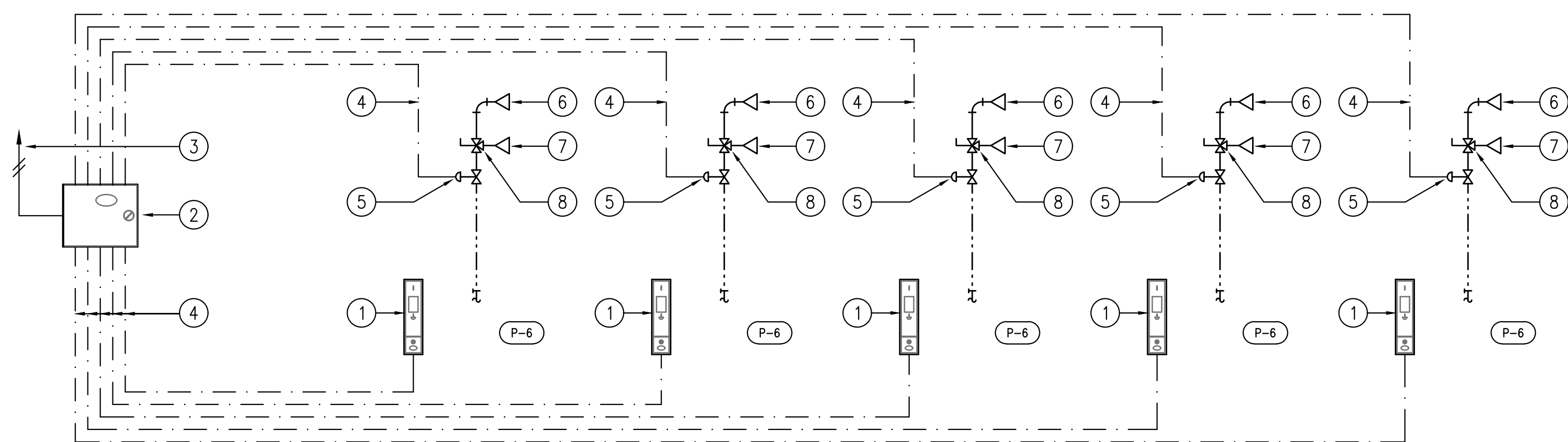
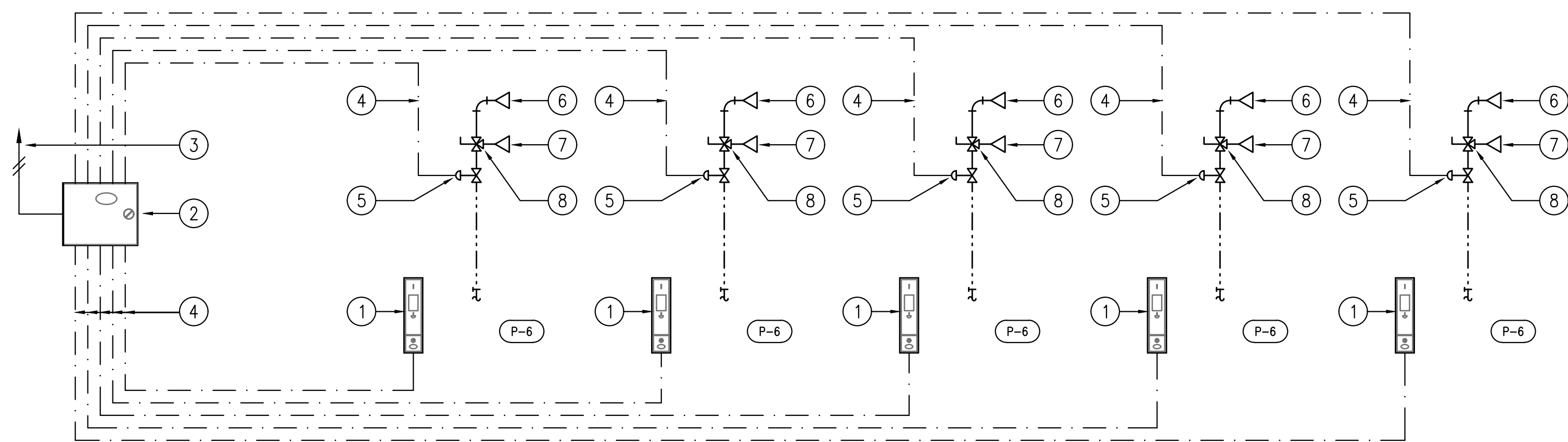
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**PLUMBING:
 LEGION TOWN
 SANITARY WASTE
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 SHEET 2 OF 17

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KEYNOTES: COIN OPERATED SHOWER SYSTEM:

1	Flush mounted rear access coil box. Model FM102R as manufactured by Fluid Manufacturing of Lodi, California. Unit shall be Constructed of 12 Ga. stainless steel (14" h x 4-1/2" w x 5-1/8" d) with 1" wall flange. Unit shall be complete with electronic solid state 24 volt coil occupier for quarters or tokens; stainless steel money drawer (500 quarter capacity) and Medeco high security cam lock for money drawer with key.
2	Shower System Control Cabinet. Control system shall be factory assembled by Fluid Manufacturing of Lodi, California. Control systems shall include 110v to 24vac electric transformer, transformer box, re-settable fuses, pilot lights, G.F.I. disconnect, electronic timer 24 volt dip switch controls (one per shower), 24 volt non-resettable mechanical counter (one per shower), toggle bypass switch (one per shower) and terminal board. All systems shall be enclosed within a NEMA Type 3R electrical enclosure.
3	System Power Wiring. 110 volt, single phase by Electrical Contractor. Refer to Electrical drawings
4	Control Interlock Wiring. 24 vac, #18 ga. stranded wire, 75C, 107F. Control wiring to be installed under scope of work of Plumbing Contractor.
5	Solenoid Valve. 24 vac, 1/2", normally closed.
6	Shower head. Refer to Project Specification
7	Diverting Valve. Refer to Project Specification



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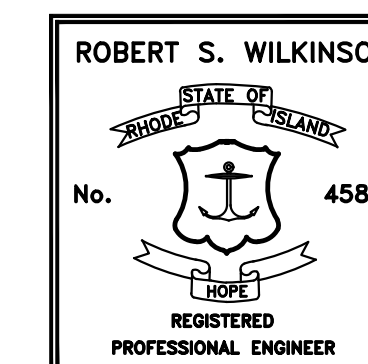
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SHEET 2 OF 17

GAS FIRED WATER HEATER SCHEDULE (PROPANE)					
UNIT NO	STORAGE CAP. (GALLONS)	RECOVERY RATE (GPH) 100° RISE	INPUT MBH	FUEL	MODEL
WH-1	100.0	291.0	250.0	120V, 1ø	AO SMITH BTH-250 MXI

HOT WATER RECIRCULATING PUMP SCHEDULE									
UNIT NO	SERVICE	GPM	HD	HP	RPM	ELECTRICAL	TYPE	MODEL	REMARKS
HWR-1	BATH HOUSE	10.0	20	1/8	3250	120V, 1ø	WET ROTOR	011-SF5 (TACO)	WITH 265-1 ANALOG TIMER
HWR-2	BATH HOUSE	10.0	20	1/8	3250	120V, 1ø	WET ROTOR	011-SF5 (TACO)	WITH 265-1 ANALOG TIMER

PLUMBING FIXTURE SCHEDULE							
P NO	FIXTURE	CONNECTIONS				MODEL	NOTES
		WASTE	VENT	C.W.	H.W.		
P-1	WATER CLOSET	4"	2"	1"	-	3249.001 MADERA FLOWISE	AMERICAN STANDARD
P-2	WATER CLOSET ADA	4"	2"	1"	-	3249.001 MADERA FLOWISE	AMERICAN STANDARD
P-3	URINAL	2"	1-1/2"	3/4"	-	6400.001 STALLBROOK	AMERICAN STANDARD
P-4	LAVATORY	1-1/2"	1-1/2"	1/2"	1/2"	BY OTHERS	SEE SPECIFICATIONS FOR CONNECTIONS & FITTINGS REQUIRED (1)
P-5	LAVATORY ADA	1-1/2"	1-1/2"	1/2"	1/2"	BY OTHERS	SEE SPECIFICATIONS FOR CONNECTIONS & FITTINGS REQUIRED (1)
P-6	SHOWER	3"	1-1/2"	1/2"	1/2"	BY OTHERS	SEE SPECIFICATIONS FOR CONNECTIONS & FITTINGS REQUIRED (1)
P-7	MOP RECEPTOR	3"	1-1/2"	1/2"	1/2"	MSBIDTG2424	FIAT
P-8	DRINKING FOUNTAIN/BOTTLE	1-1/2"	1-1/2"	1/2"	-	4420BF1UDBFK ENDURA II	HALSEY TAYLOR
P-9	LAVATORY, ADA (WALL HUNG)	1-1/2"	1-1/2"	-	1/2"	0356.421 LUCERNE	AMERICAN STANDARD (1)

1. DOMESTIC HW CONNECTION PROVIDED BY THE TEMPERED WATER SYSTEM. REFER TO FLOOR PLANS.

FLOOR DRAIN SCHEDULE									
TAG	APPLICATION	OUTLET DIAMETER	TRAP	BODY	STRAINER		SEDIMENT BASKET	MODEL	NOTES
					TYPE	MATERIAL			
A	CONCRETE DECK	4"	DEEP SEAL *	CAST IRON	TYPE-B	NICKEL-BRONZE	NO	Z-415	ZURN
B	CONCRETE DECK	2"	DEEP SEAL *	FIBER/POLYMER	N/A	N/A	NO	Z-812-Z-E4-JC	ZURN, LINEAR

* ALL FLOOR DRAINS SHALL BE FIT WITH SURE SEAL TRAP SEALING DEVICE AS MANUFACTURED BY RECTORSEAL-TRAP



GENERAL NOTES

The drawings are generally diagrammatic and are intended to convey the scope of work and indicate general arrangement of equipment. The locations of all indicated items that are not fixed by dimension are approximate only.

Maintain maximum space conditions at all points. Where space conditions appear inadequate, notify the Architect before proceeding with the installation.

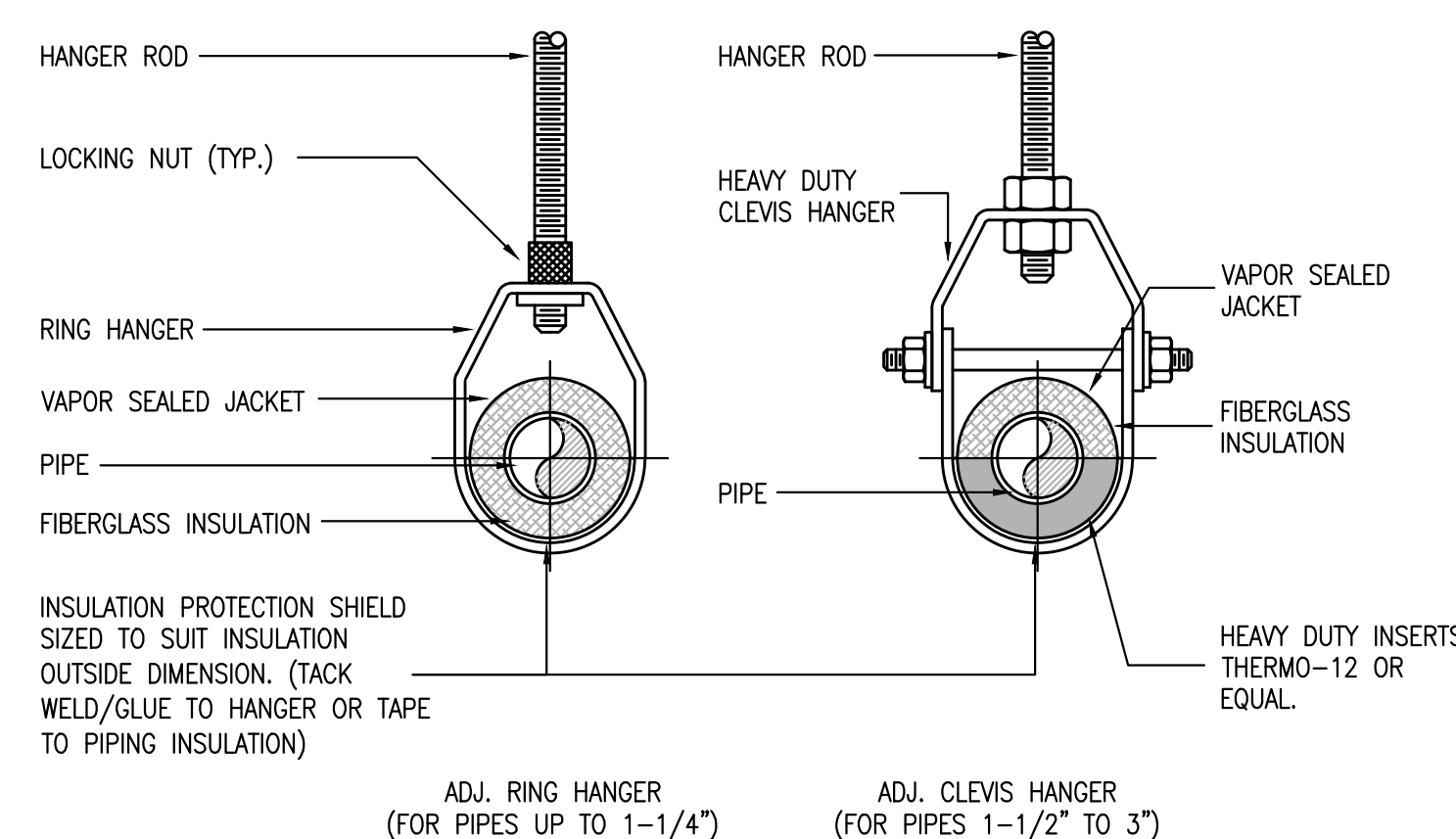
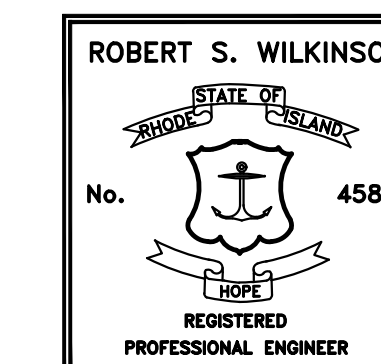
All materials to be removed shall be removed from the project site in their entirety, including all hangers, supports and appurtenances.

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Refer to Architectural Floor Plan for the exact location and Configuration of all plumbing fixtures.

All system shut-downs shall be with prior approval of the Architect and Owner. Interruptions to services shall be scheduled to minimize down time.

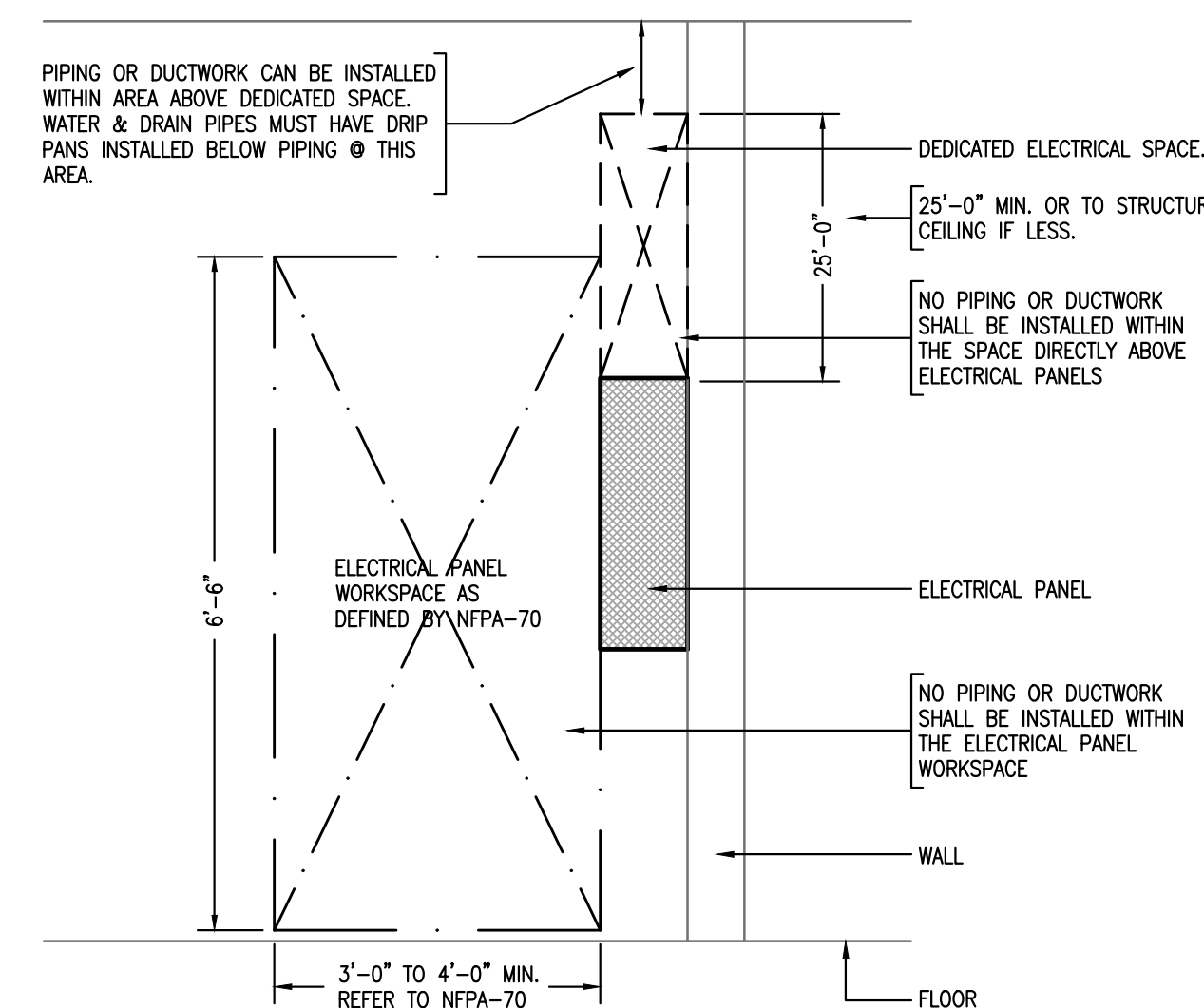
Refer to the PROJECT SPECIFICATION for additional requirements.



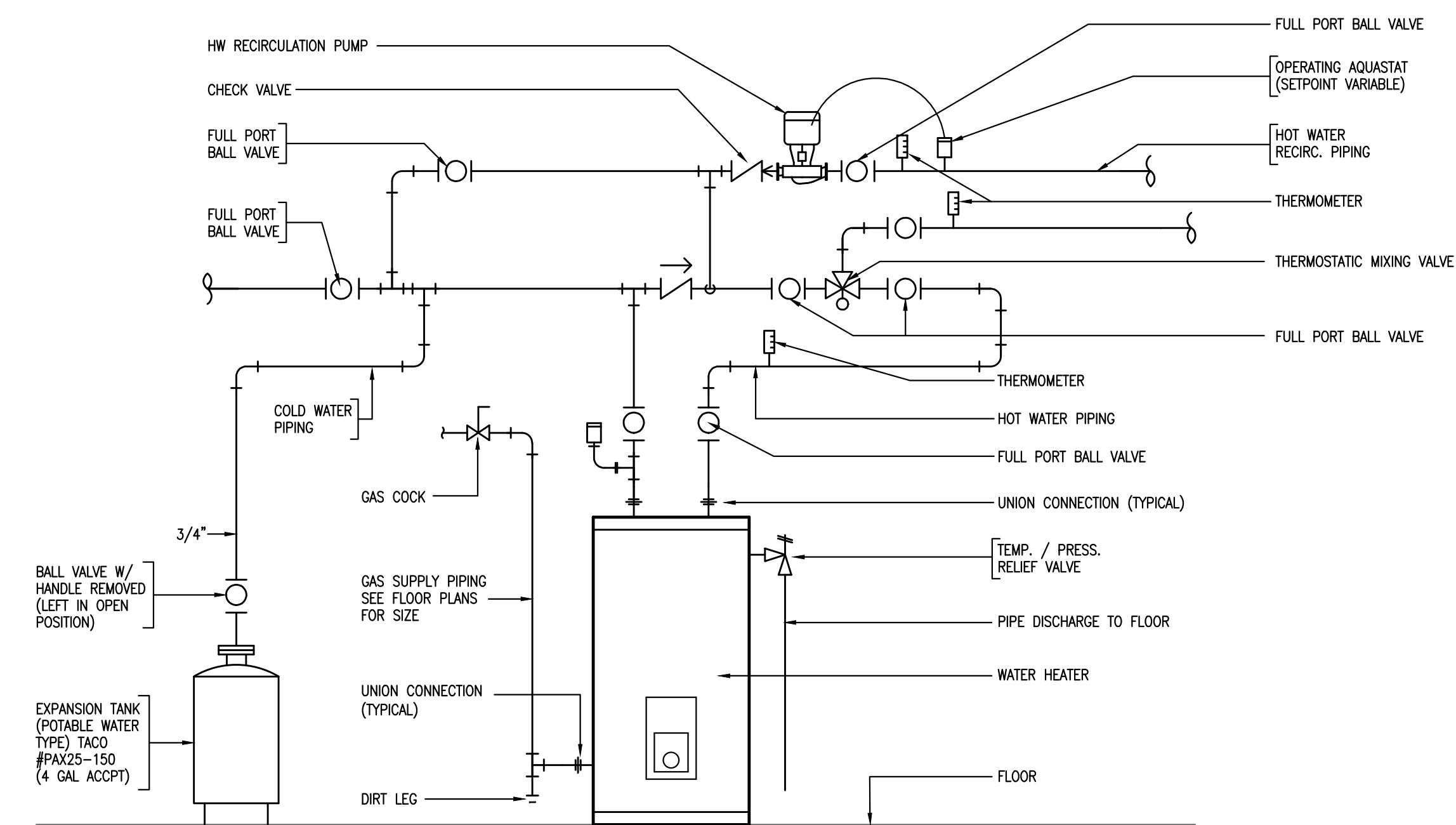
HANGER ROD SCHEDULE			
PIPE SIZE	ROD SIZE	PIPE SIZE	ROD SIZE
UP TO 2"	3/8"	6" - 8"	3/4"
2-1/2" - 3"	1/2"	8" - 10"	7/8"
4" - 5"	5/8"	12" - 14"	1"

INSULATION INSERTS	
PIPE SIZE	LENGTH
UP TO 2-1/2"	10"
3" TO 6"	12"
8" TO 10"	16"
12" AND OVER	22"

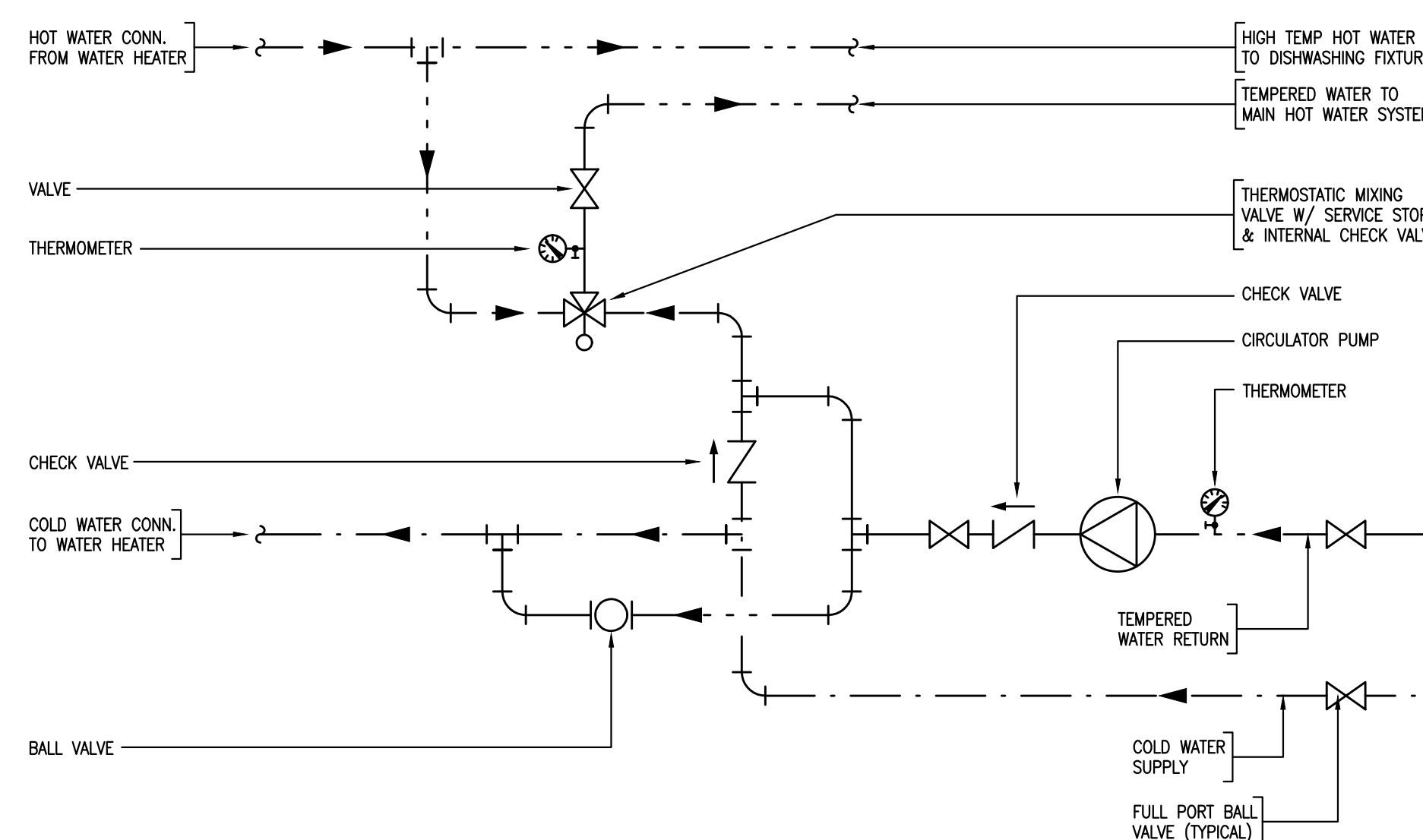
1 TYPICAL PIPE HANGER DETAILS: INSULATED PIPING
P5.1 SCALE: NONE



2 ELECTRICAL SYSTEMS COORD. DETAIL
P5.1 SCALE: NONE



3 TYPICAL HOT WATER HEATER DETAIL - DUPLEX ARRANGEMENT - W/ TEMPERING VALVE
P5.1 SCALE: NONE



4 DETAIL @ THERMOSTATIC MIXING VALVE - SINGLE
P5.1 SCALE: NONE

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1150 Pawtucket Ave
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George S. Burman,
Architect

66 Highland Rd.
Bristol, RI. 02809

Bath-Houses
"A", "B"
& Mills Camp

Burlingame
State Park
Bathouses

RI- Department
of
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Management

235 Promenade Street
Providence, RI.
02908-5850

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DATE: 10/6/2023

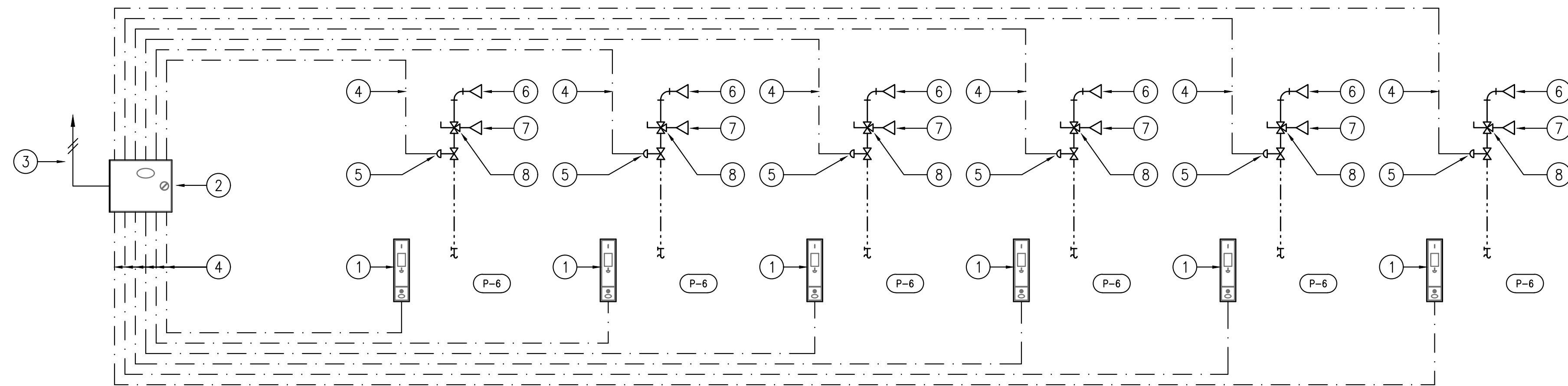
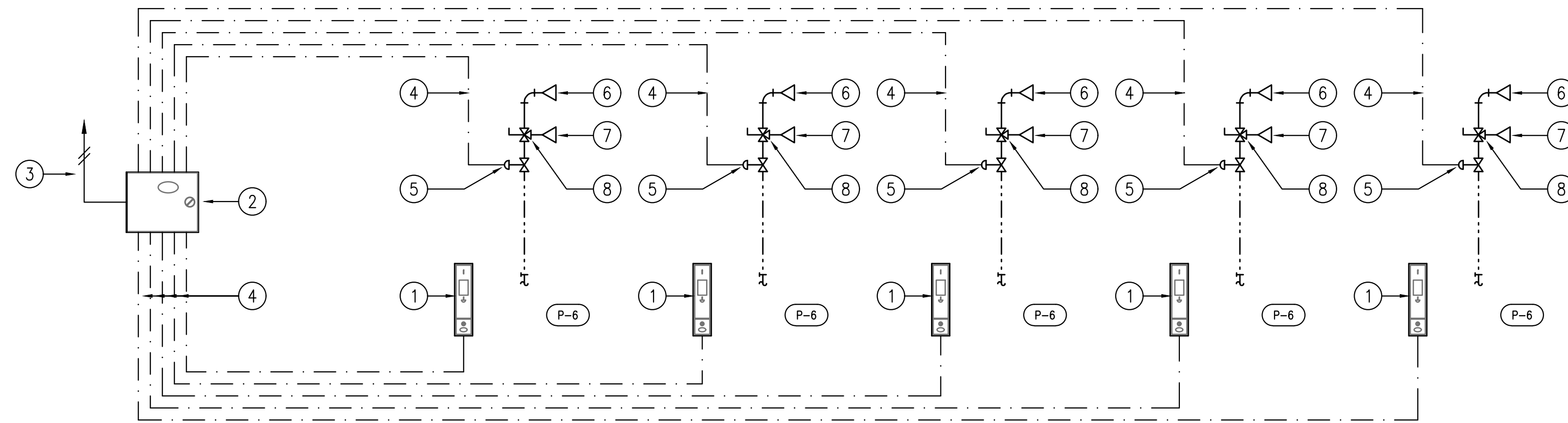
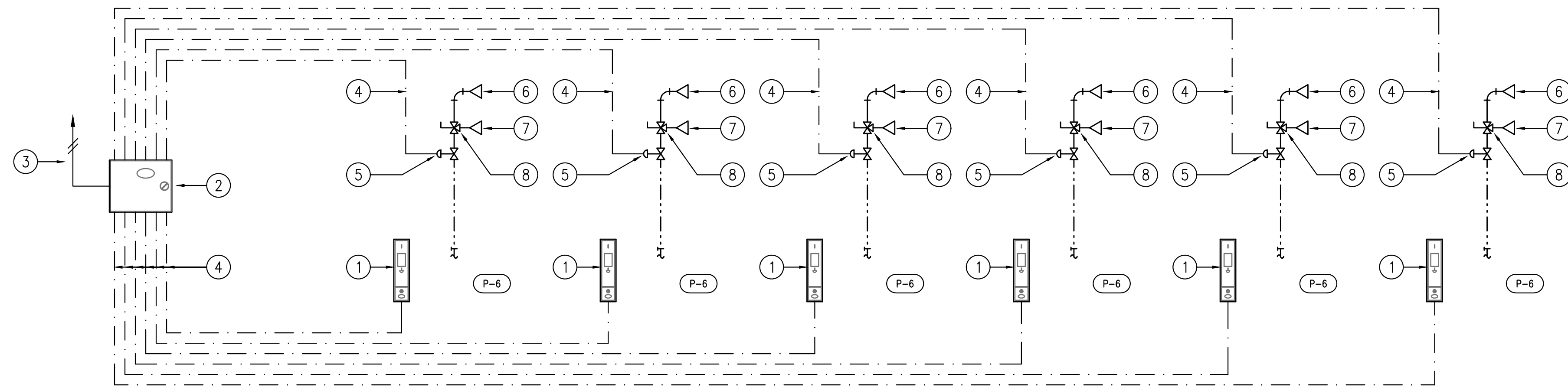
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P5.1

SHEET 2 OF 17

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KEYNOTES: COIN OPERATED SHOWER SYSTEM:

1	Flush mounted rear access coil box. Model FM102R as manufactured by Fluid Manufacturing of Lodi, California. Unit shall be Constructed of 12 Ga. stainless steel (14" h x 4-1/2" w x 5-1/8" d) with 1" wall flange. Unit shall be complete with electronic solid state 24 volt coil acceptor for quarters or tokens; stainless steel money drawer (500 quarter capacity) and Medeco high security cam lock for money drawer with key.
2	Shower System Control Cabinet. Control system shall be factory assembled by Fluid Manufacturing of Lodi, California. Control systems shall include 110v to 24vac electric transformer, transformer box, re-settable fuses, pilot lights, G.F.I. disconnect, electronic timer 24 volt dip switch controls (one per shower), 24 volt non-resettable mechanical counter (one per shower), toggle bypass switch (one per shower) and terminal board. All systems shall be enclosed within a NEMA Type 3R electrical enclosure.
3	System Power Wiring. 110 volt, single phase by Electrical Contractor. Refer to Electrical drawings
4	Control Interlock Wiring. 24 vac, #18 ga. stranded wire, 75C, 107F. Control wiring to be installed under scope of work of Plumbing Contractor.
5	Solenoid Valve. 24 vac, 1/2", normally closed.
6	Shower head. Refer to Project Specification
7	Diverting Valve. Refer to Project Specification



GENERAL NOTES

The drawings are generally diagrammatic and are intended to convey the scope of work and indicate general arrangement of equipment. The locations of all indicated items that are not fixed by dimension are approximate only.

Maintain maximum space conditions at all points. Where space conditions appear inadequate, notify the Architect before proceeding with the installation.

Coordinate the exact location of all materials with the work of other trades and with the existing conditions prior to installation.

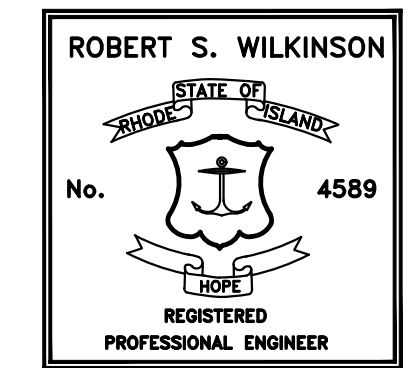
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Refer to Architectural Floor Plan for the exact location and Configuration of all plumbing fixtures.

All system shut-downs shall be with prior approval of the Architect and Owner. Interruptions to services shall be scheduled to minimize down time.

Refer to the PROJECT SPECIFICATION for additional requirements.



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**Bath-Houses
Main Camp,
Fish camp &
Legion Town**

**Burlingame
State Park
Bathouses**

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**PLUMBING
COIN OPERATED
SHOWER SYSTEM
SCHEMATIC**

P5.3
SHEET 2 OF 17

GAS FIRED WATER HEATER SCHEDULE (PROPANE)					
UNIT NO	STORAGE CAP. (GALLONS)	RECOVERY RATE (GPH) 100° RISE	INPUT MBH	FUEL	MODEL
WH-1	100.0	291.0	250.0	120V, 1ø	AO SMITH BTH-250 MXI

HOT WATER RECIRCULATING PUMP SCHEDULE									
UNIT NO	SERVICE	GPM	HD	HP	RPM	ELECTRICAL	TYPE	MODEL	REMARKS
HWR-1	BATH HOUSE	10.0	20	1/8	3250	120V, 1ø	WET ROTOR	011-SF5 (TACO)	WITH 265-1 ANALOG TIMER
HWR-2	BATH HOUSE	10.0	20	1/8	3250	120V, 1ø	WET ROTOR	011-SF5 (TACO)	WITH 265-1 ANALOG TIMER

PLUMBING FIXTURE SCHEDULE							
P NO	FIXTURE	CONNECTIONS				MODEL	NOTES
		WASTE	VENT	C.W.	H.W.		
P-1	WATER CLOSET	4"	2"	1"	-	3249.001 MADERA FLOWISE	AMERICAN STANDARD
P-2	WATER CLOSET ADA	4"	2"	1"	-	3249.001 MADERA FLOWISE	AMERICAN STANDARD
P-3	URINAL	2"	1-1/2"	3/4"	-	6400.001 STALLBROOK	AMERICAN STANDARD
P-4	LAVATORY	1-1/2"	1-1/2"	1/2"	1/2"	BY OTHERS	SEE SPECIFICATIONS FOR CONNECTIONS & FITTINGS REQUIRED (1)
P-5	LAVATORY ADA	1-1/2"	1-1/2"	1/2"	1/2"	BY OTHERS	SEE SPECIFICATIONS FOR CONNECTIONS & FITTINGS REQUIRED (1)
P-6	SHOWER	3"	1-1/2"	1/2"	1/2"	BY OTHERS	SEE SPECIFICATIONS FOR CONNECTIONS & FITTINGS REQUIRED (1)
P-7	MOP RECEPTOR	3"	1-1/2"	1/2"	1/2"	MSBIDTG2424	FIAT
P-8	DRINKING FOUNTAIN/BOTTLE	1-1/2"	1-1/2"	1/2"	-	4420BF1UDBFK ENDURA II	HALSEY TAYLOR
P-9	LAVATORY, ADA (WALL HUNG)	1-1/2"	1-1/2"	-	1/2"	0356.421 LUCERNE	AMERICAN STANDARD (1)

1. DOMESTIC HW CONNECTION PROVIDED BY THE TEMPERED WATER SYSTEM. REFER TO FLOOR PLANS.

FLOOR DRAIN SCHEDULE									
TAG	APPLICATION	OUTLET DIAMETER	TRAP	BODY	STRAINER		SEDIMENT BASKET	MODEL	NOTES
					TYPE	MATERIAL			
A	CONCRETE DECK	4"	DEEP SEAL *	CAST IRON	TYPE -B	NICKEL-BRONZE	NO	Z-415	ZURN
B	CONCRETE DECK	2"	DEEP SEAL *	FIBER/POLYMER	N/A	N/A	NO	Z-812-Z-E4-JC	ZURN, LINEAR

* ALL FLOOR DRAINS SHALL BE FIT WITH SURE SEAL TRAP SEALING DEVICE AS MANUFACTURED BY RECTORSEAL-TRAP



GENERAL NOTES

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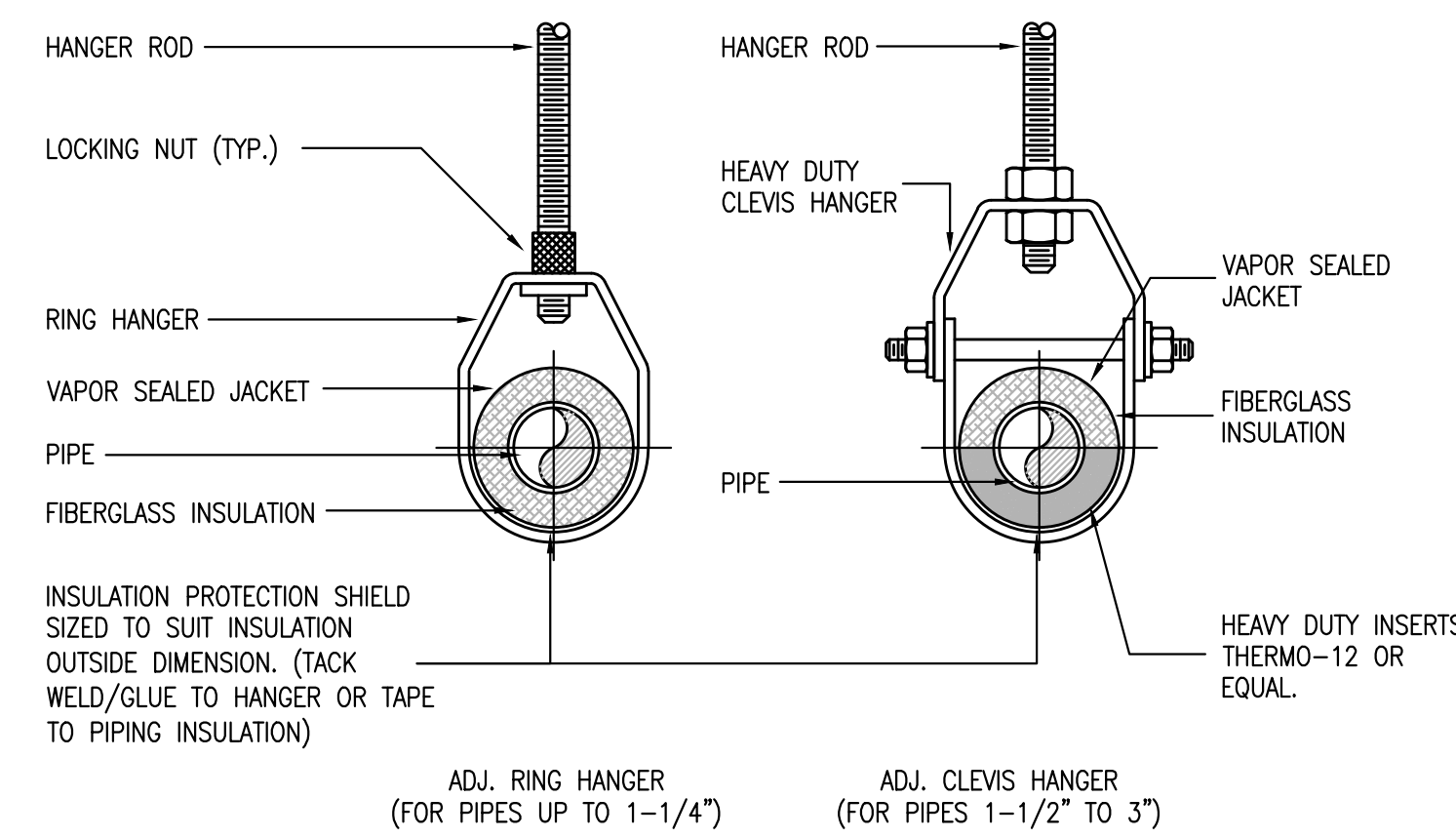
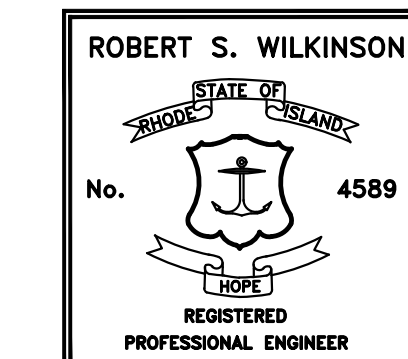
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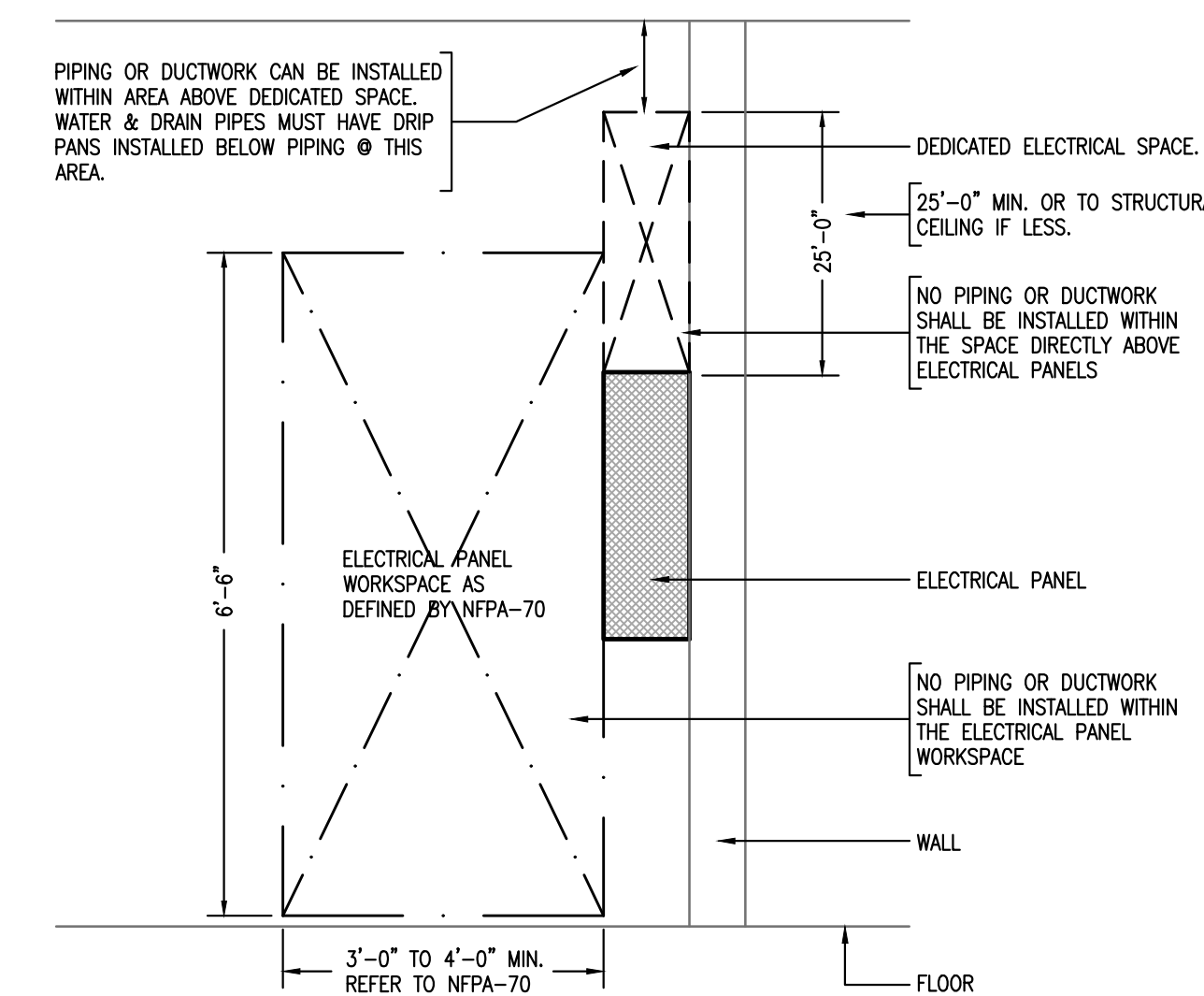
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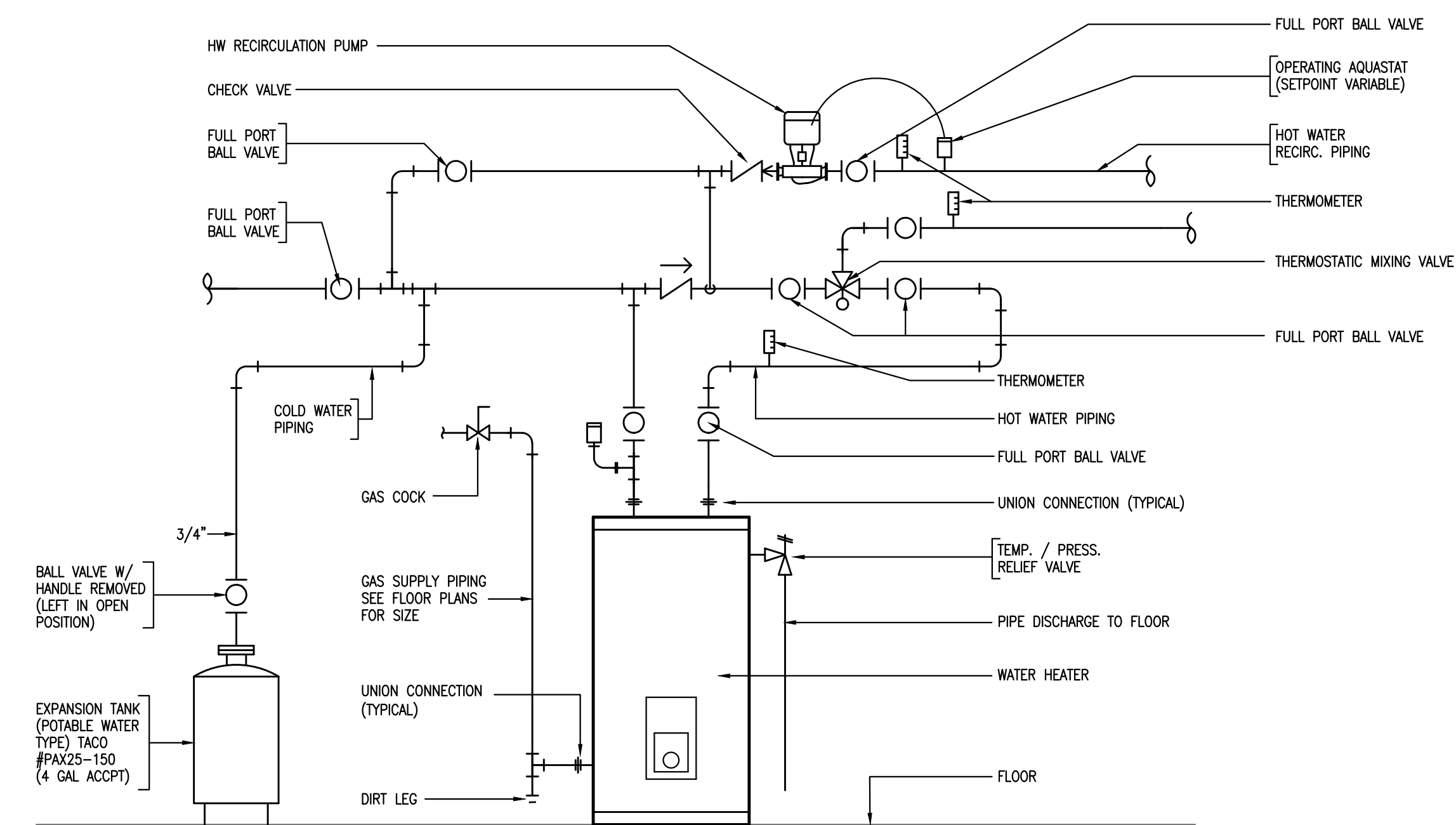
HANGER ROD SCHEDULE			
PIPE SIZE	ROD SIZE	PIPE SIZE	ROD SIZE
UP TO 2"	3/8"	6" - 8"	3/4"
2-1/2" - 3"	1/2"	8" - 10"	7/8"
4" - 5"	5/8"	12" - 14"	1"

INSULATION INSERTS	
PIPE SIZE	LENGTH
UP TO 2-1/2"	10"
3" TO 6"	12"
8" TO 10"	16"
12" AND OVER	22"

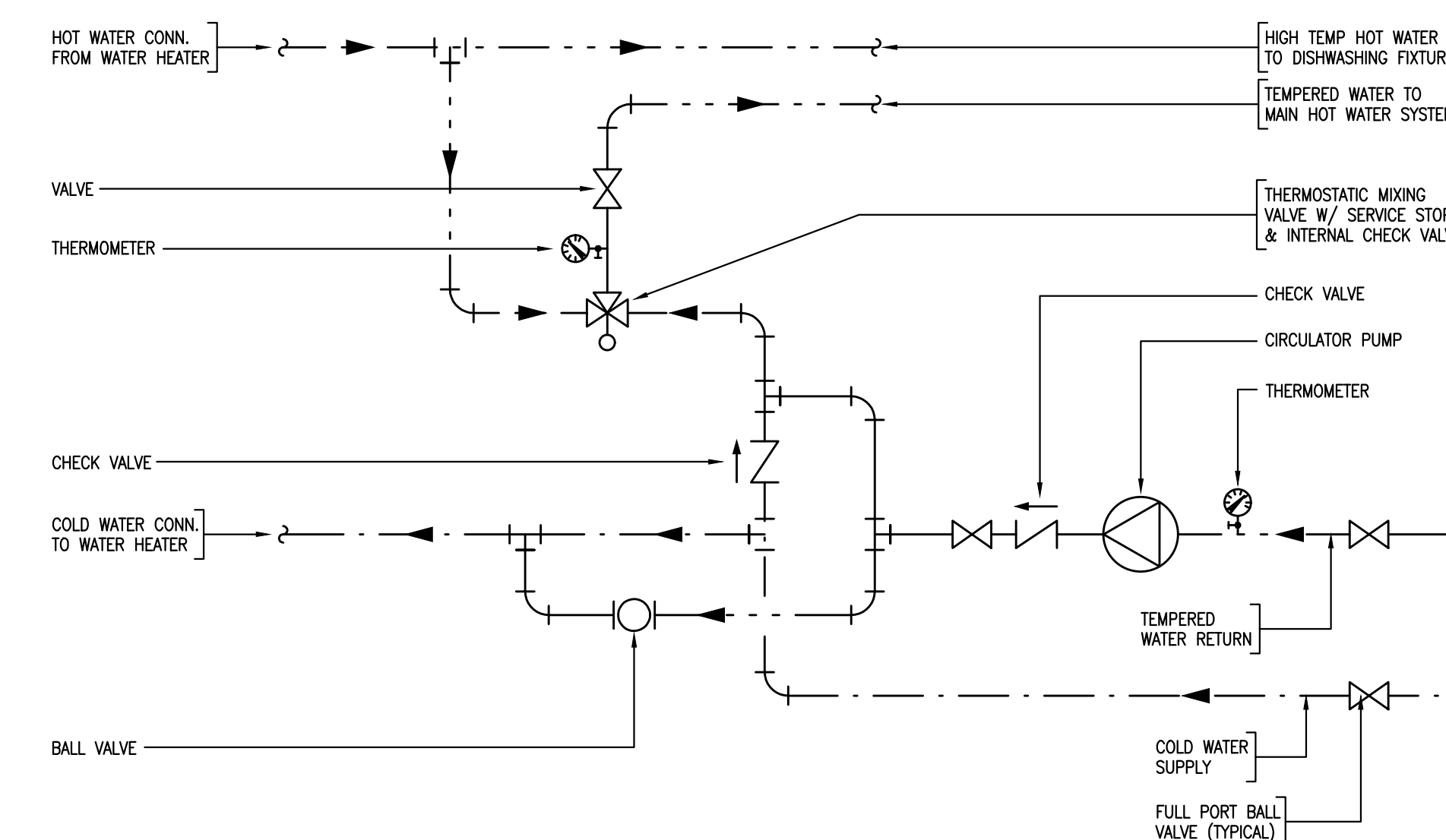
1 TYPICAL PIPE HANGER DETAILS: INSULATED PIPING
P5.1 SCALE: NONE



2 ELECTRICAL SYSTEMS COORD. DETAIL
P5.1 SCALE: NONE



3 TYPICAL HOT WATER HEATER DETAIL - DUPLEX ARRANGEMENT - W/ TEMPERING VALVE
P5.1 SCALE: NONE



4 DETAIL @ THERMOSTATIC MIXING VALVE - SINGLE
P5.1 SCALE: NONE

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Fish camp &
Legion Town**

**Burlingame
State Park
Bathouses**
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SCHEDULES &
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Burlingame Bathhouses

Burlingame State Park Bathhouses

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SYMBOLS

- PP-1,3,5 CABLE OR CONDUIT RUN TO CIRCUIT INDICATED. SLASHES INDICATE QUANTITY OF #12 AWG WIRES (INCLUDING GROUND) WHEN MORE THAN THREE.
- CONDUIT TURNED UP
- ◁ CONDUIT TURNED DOWN
- ⊖ 20A, SINGLE RECEPTACLE
- ⊖⊖ 20A, NEMA 5-20R DUPLEX RECEPTACLE
- ⊖⊖⊖ 20A DOUBLE DUPLEX (QUAD) RECEPTACLE
- ⊖⊖⊖⊖ SPECIAL PURPOSE RECEPTACLE
- So 20A, SINGLE POLE TOGGLE SWITCH MOUNTED 48" AFF. LOWER CASE LETTER INDICATES SWITCH LEG.
- S3 THREE-WAY SWITCH MOUNTED 48" AFF
- Ⓢ PHOTOCELL
- S_M HORSEPOWER RATED, TOGGLE TYPE MOTOR SWITCH
- Ⓟ JUNCTION BOX
- Ⓢ MOTOR - NUMBER INDICATES HP
- Ⓢ LED EXIT SIGN, SHADING INDICATE FACES

ABBREVIATIONS

- A AMPERES
- AFF ABOVE FINISHED FLOOR
- AIC AMPERES INTERRUPTING CAPACITY
- AWG AMERICAN WIRE GAUGE
- CM CIRCULAR MILS
- EX EXISTING TO REMAIN
- FTL FEED-THRU LUGS
- GFCI GROUND FAULT CIRCUIT INTERRUPTER
- HP HORSEPOWER
- KVA KILOVOLT-AMPERES
- KW KILOWATT
- MCB MAIN CIRCUIT BREAKER
- MLO MAIN LUGS ONLY
- P POLE, PUMP
- SPD SURGE PROTECTION DEVICE
- V VOLTS
- VA VOLT-AMPERES
- VFD VARIABLE FREQUENCY DRIVE
- W WATT, WIRE
- WP WEATHERPROOF (WITH PLUG INSERTED FOR RECEPTACLES)

GENERAL NOTES

- ALL CONDUIT AND CABLE RUNS SHOWN ARE DIAGRAMMATIC AND INDICATE THE DESIRED GENERAL ARRANGEMENT. CONTRACTOR SHALL COORDINATE WORK WITH ALL OTHER TRADES.
- FINAL CONNECTIONS TO MOTORS AND OTHER EQUIPMENT SUBJECT TO VIBRATION SHALL BE MADE IN FLEXIBLE METAL CONDUIT IN DRY LOCATIONS AND IN LIQUIDTIGHT FLEXIBLE METAL CONDUIT IN DAMP OR WET LOCATIONS.
- DO NOT INSTALL MORE THAN SIX (6) CURRENT CARRYING CONDUCTORS IN ONE CONDUIT WITHOUT APPROVAL OF THE ENGINEER.
- WHERE LENGTH OF BRANCH CIRCUIT CONDUCTORS EXCEED 75', INCREASE CONDUCTOR SIZE TO #10 AWG.
- EXPOSED CONDUIT ON EXTERIOR OF BUILDING SHALL BE RIGID GALVANIZED STEEL OR SCHEDULE 80 PVC. PROVIDE EXPANSION FITTING IN ANY STRAIGHT LENGTH OF PVC GREATER THAN 5'.
- PROVIDE NEATLY TYPED MARKER FASTENED TO ALL RECEPTACLE FACEPLATES INDICATING CIRCUIT NUMBER AND SOURCE.
- REFER TO MECHANICAL PLANS FOR EXACT LOCATIONS OF MECHANICAL EQUIPMENT.
- ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING POWER CIRCUIT(S) FOR CONTROL PANEL(S). COORDINATE WITH CONTROLS CONTRACTOR FOR QUANTITY AND LOCATION.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATIONS OF LIGHT FIXTURES.

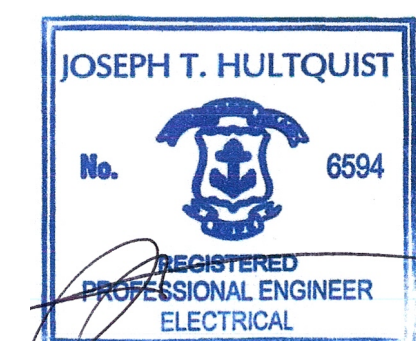
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SYMBOLS, ABBREVIATIONS AND NOTES



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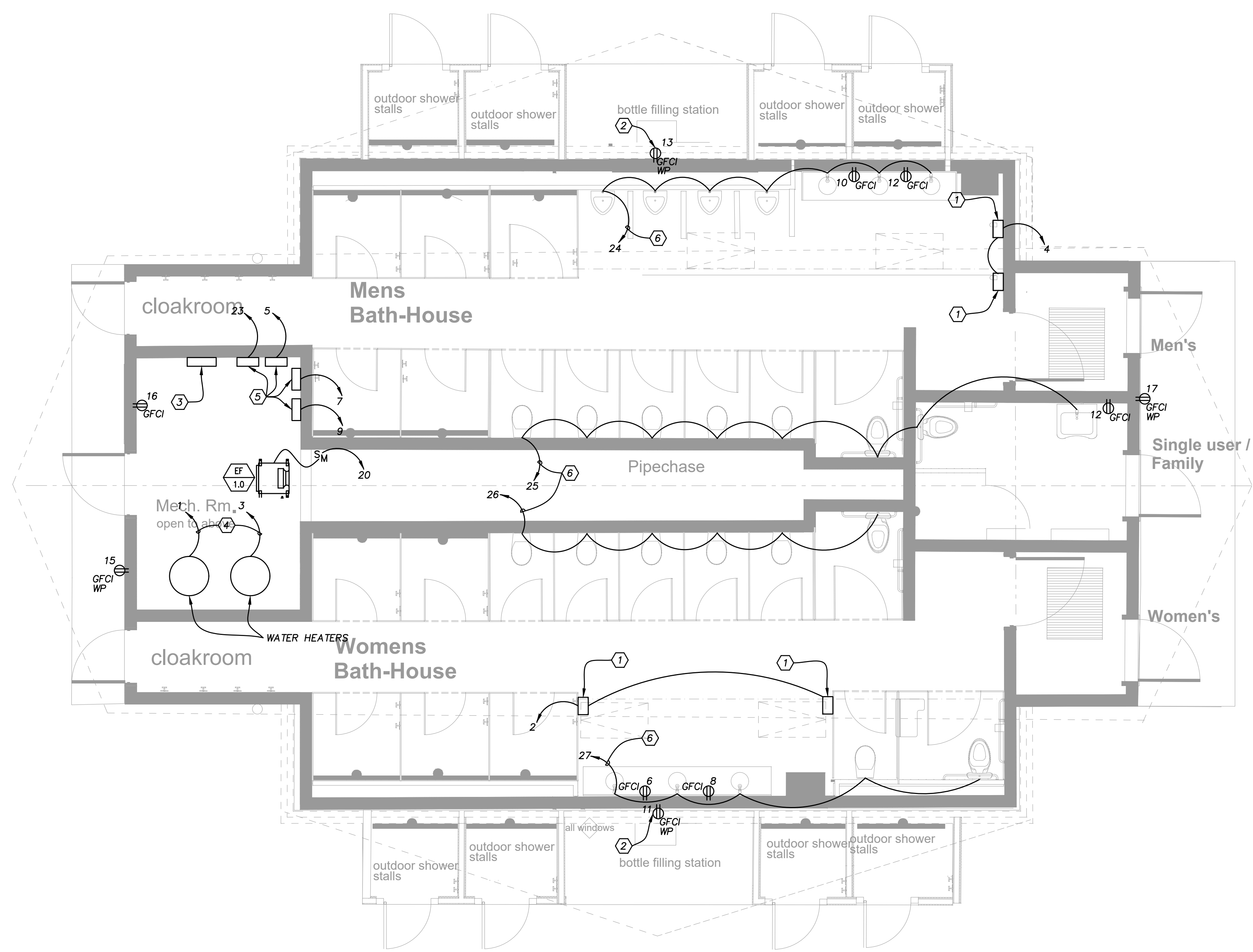
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BATHHOUSES A AND B

Burlingame State Park Bathhouses

RI- Department of Environmental Management

235 Promenade Street
Providence, RI.
02908-5850



GENERAL NOTES

1. LOCATION OF PANEL IN UTILITY ROOM TO BE COORDINATED WITH LOCATION OF INCOMING FEEDER FROM TRANSFORMER.

WORK NOTES

- ① XLERATOR CAT. NO. XL-BW-ECO-110/120 OR APPROVED EQUAL HAND DRYER.
- ② FOR BOTTLE FILLER.
- ③ NEW PANEL - 200A MCB, 120/240V, 1Ø, 3W, 10,000 AIC RATING. PANEL DESIGNATIONS SHALL BE:
PPA - A CAMP
PPB - B CAMP
- ④ FOR HOT WATER HEATER CONTROLS.
- ⑤ COIN-OPERATED SHOWER CONTROL PANEL (BY OTHERS).
- ⑥ FOR FLUSH AND FAUCET VALVE TRANSFORMERS.

**BATH-HOUSE A AND B
POWER PLAN
SCALE: 1/4"=1'-0"**

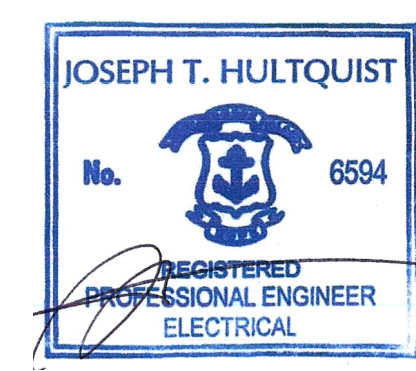
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**BATH-HOUSES A AND B
POWER PLAN**



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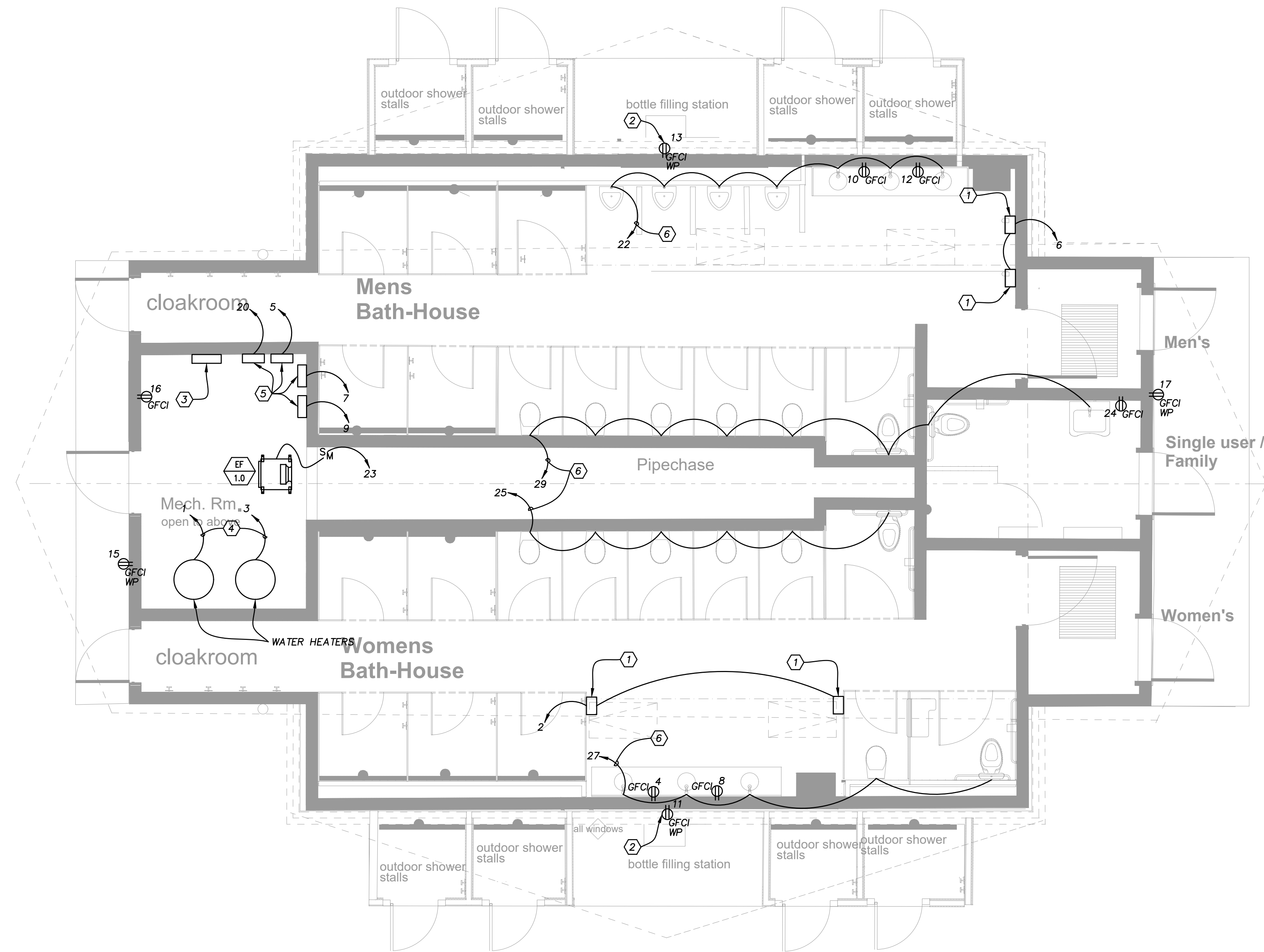
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BATHHOUSE MILLS

Burlingame State Park Bathhouses

RI- Department of Environmental Management

235 Promenade Street
Providence, RI.
02908-5850



**BATH-HOUSE MILLS
POWER PLAN
SCALE: 1/4"=1'-0"**

GENERAL NOTES

- 1. LOCATION OF PANEL IN UTILITY ROOM TO BE COORDINATED WITH LOCATION OF INCOMING FEEDER FROM TRANSFORMER.

WORK NOTES

- ① XLERATOR CAT. NO. XL-BW-ECO-110/120 OR APPROVED EQUAL HAND DRYER.
- ② FOR BOTTLE FILLER.
- ③ NEW PANEL PPM - 225A MCB, 120/208V, 3Ø, 4W, 10,000 AIC RATING.
- ④ FOR HOT WATER HEATER CONTROLS.
- ⑤ COIN-OPERATED SHOWER CONTROL PANEL (BY OTHERS).
- ⑥ FOR FLUSH AND FAUCET VALVE TRANSFORMERS.

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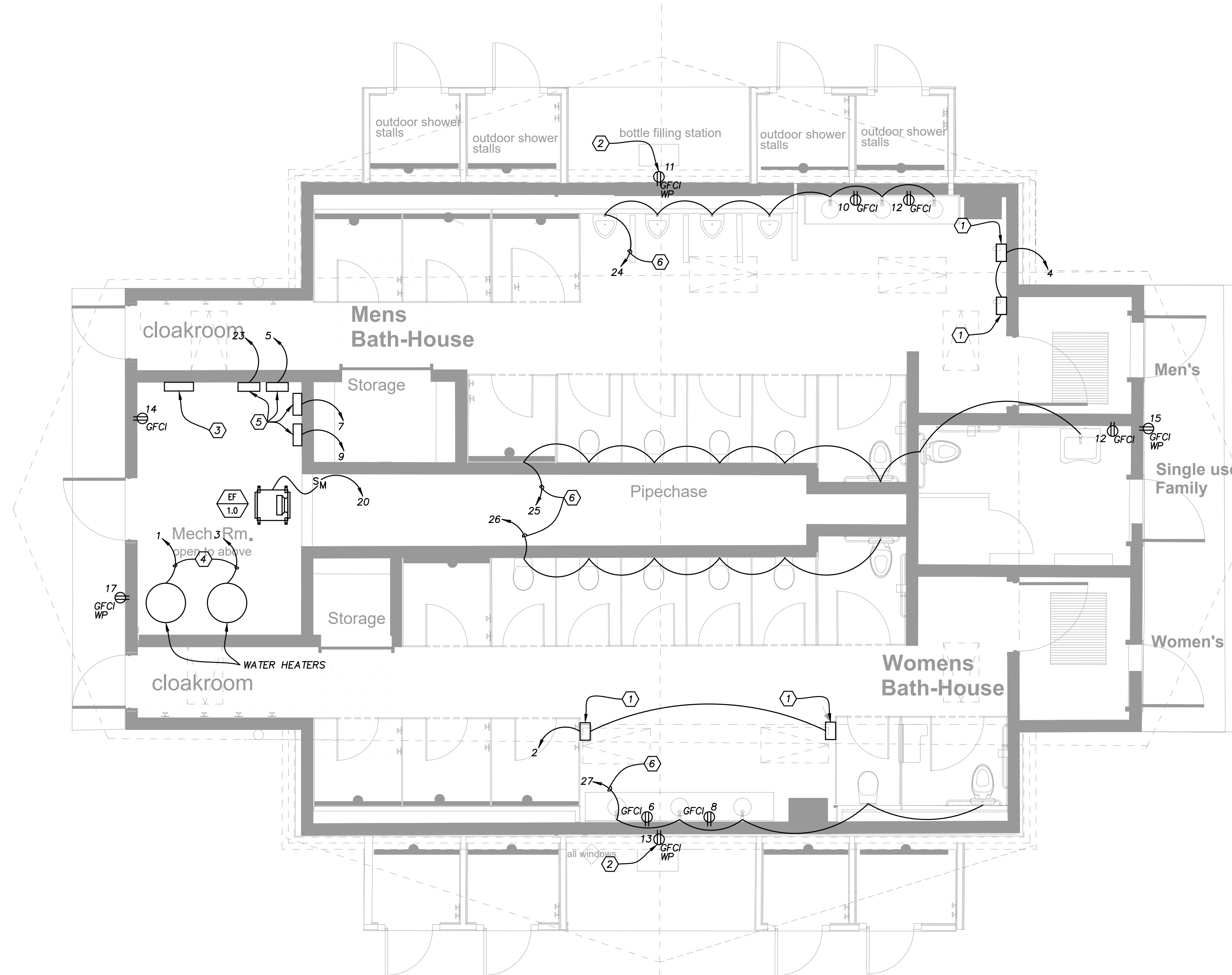
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Bath-Houses Main, Fish & Legion Camps

Burlingame State Park Bathhouses

RI- Department of Environmental Management

235 Promenade Street
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02908-5850



**MAIN, FISH, AND LEGION CAMPS
POWER PLAN**
SCALE: 1/4"=1'-0"

GENERAL NOTES

1. LOCATION OF PANEL IN UTILITY ROOM TO BE COORDINATED WITH LOCATION OF INCOMING FEEDER FROM TRANSFORMER.

WORK NOTES

- (1) XLERATOR CAT. NO. XL-BW-ECO-110/120 OR APPROVED EQUAL HAND DRYER.
- (2) FOR BOTTLE FILLER.
- (3) NEW PANEL - 200A MCB, 120/240V, 1Ø, 3W, 10,000 AIC RATING. PANEL DESIGNATIONS SHALL BE:
PPMN - MAIN CAMP
PPF - FISH CAMP
PPL - LEGION CAMP
- (4) FOR WATER HEATER CONTROLS.
- (5) COIN-OPERATED SHOWER CONTROL PANEL (BY OTHERS).
- (6) FOR FLUSH AND FAUCET VALVE TRANSFORMERS.

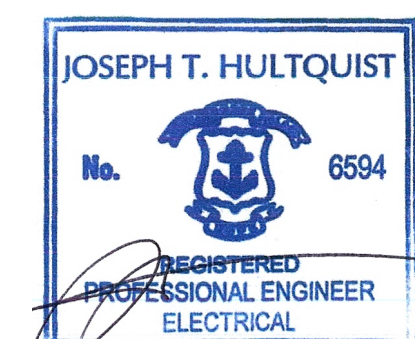
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MAIN, FISH, AND LEGION CAMP POWER PLAN



E1.2

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Wick Ltd.**

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T - 508.347.9101 F - 508.347.7659
E - info@sterling-eng.com

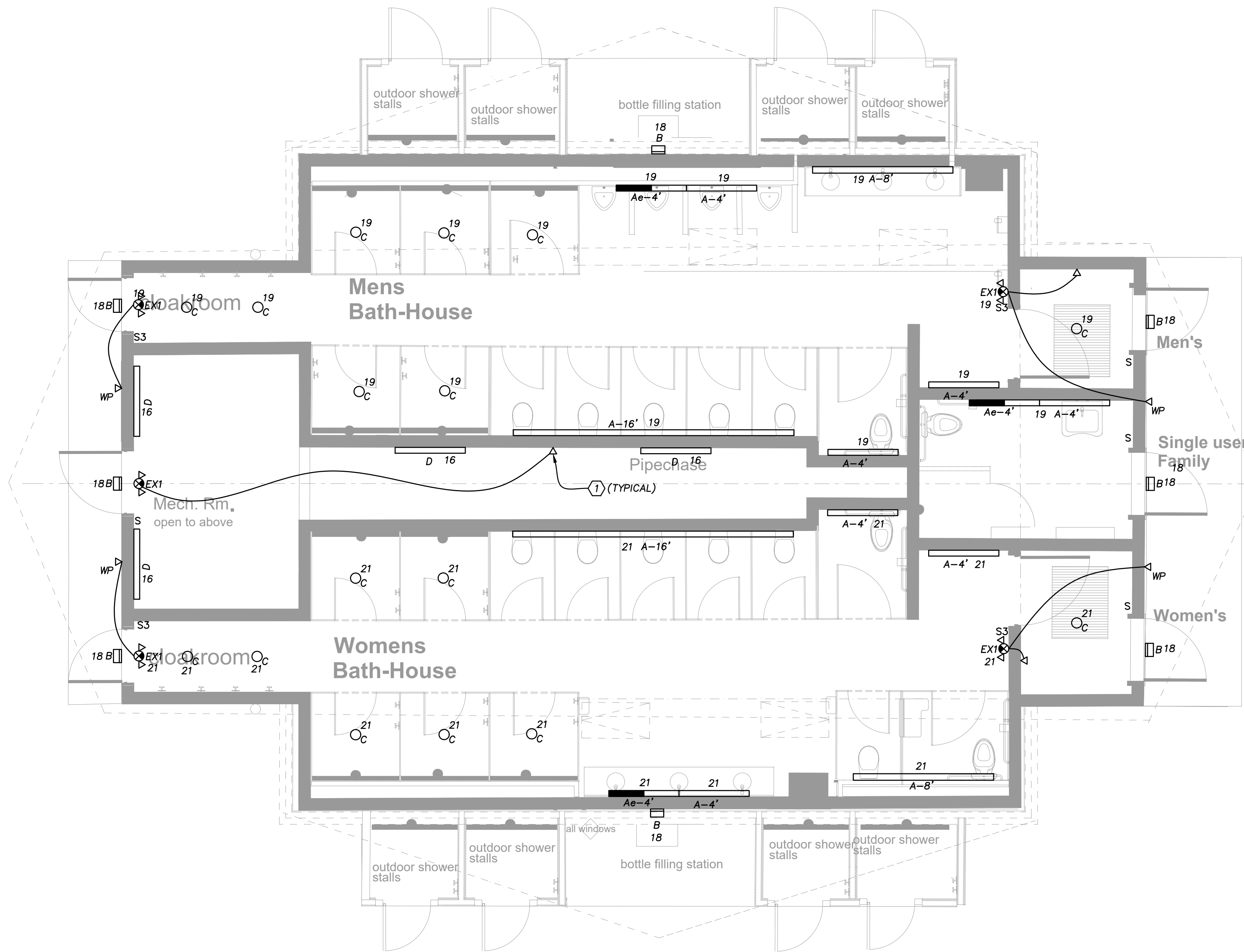
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**BATHHOUSES
A AND B**

**Burlingame
State Park
Bathouses**

RI- Department
of
Environmental
Management

235 Promenade Street
Providence, RI.
02908-5850



**BATH-HOUSE A AND B
LIGHTING PLAN**
SCALE: 1/4"=1'-0"

GENERAL NOTES

1. OUTDOOR LIGHTING SHALL BE CONTROLLED BY INTEGRAL PHOTOCELLS.

WORK NOTES

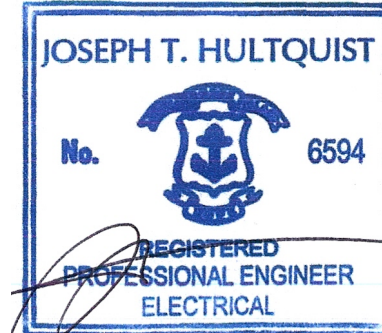
① REMOTE EMERGENCY LIGHT HEAD.

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SHEET TITLE
**BATHHOUSES A
AND B LIGHTING
PLAN**



E2.0

Caputo & Wick Ltd.

1150 Pawtucket Ave
Rumford
RI.02916-1897,



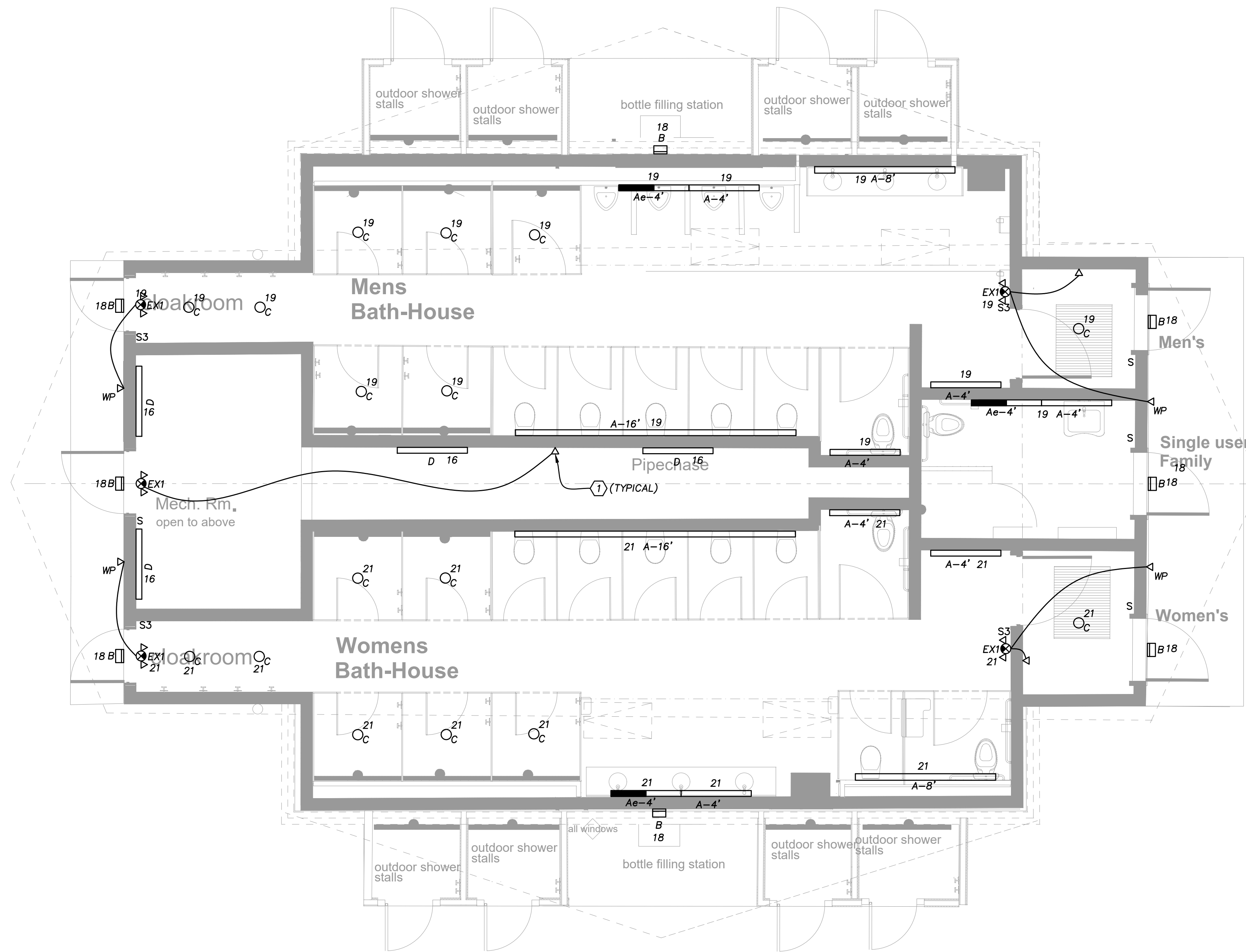
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BATHHOUSE MILLS

Burlingame State Park Bathouses

RI- Department of Environmental Management

235 Promenade Street
Providence, RI.
02908-5850



MILLS CAMP LIGHTING PLAN
SCALE: 1/4"=1'-0"

GENERAL NOTES

1. OUTDOOR LIGHTING SHALL BE CONTROLLED BY INTEGRAL PHOTOCELLS.

WORK NOTES

(1) REMOTE EMERGENCY LIGHT HEAD.

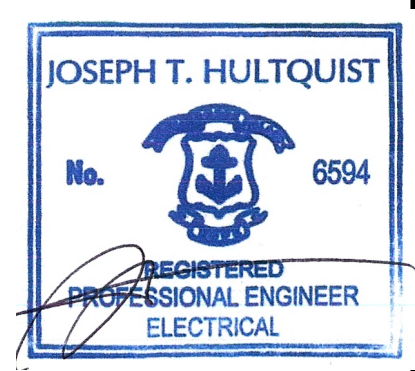
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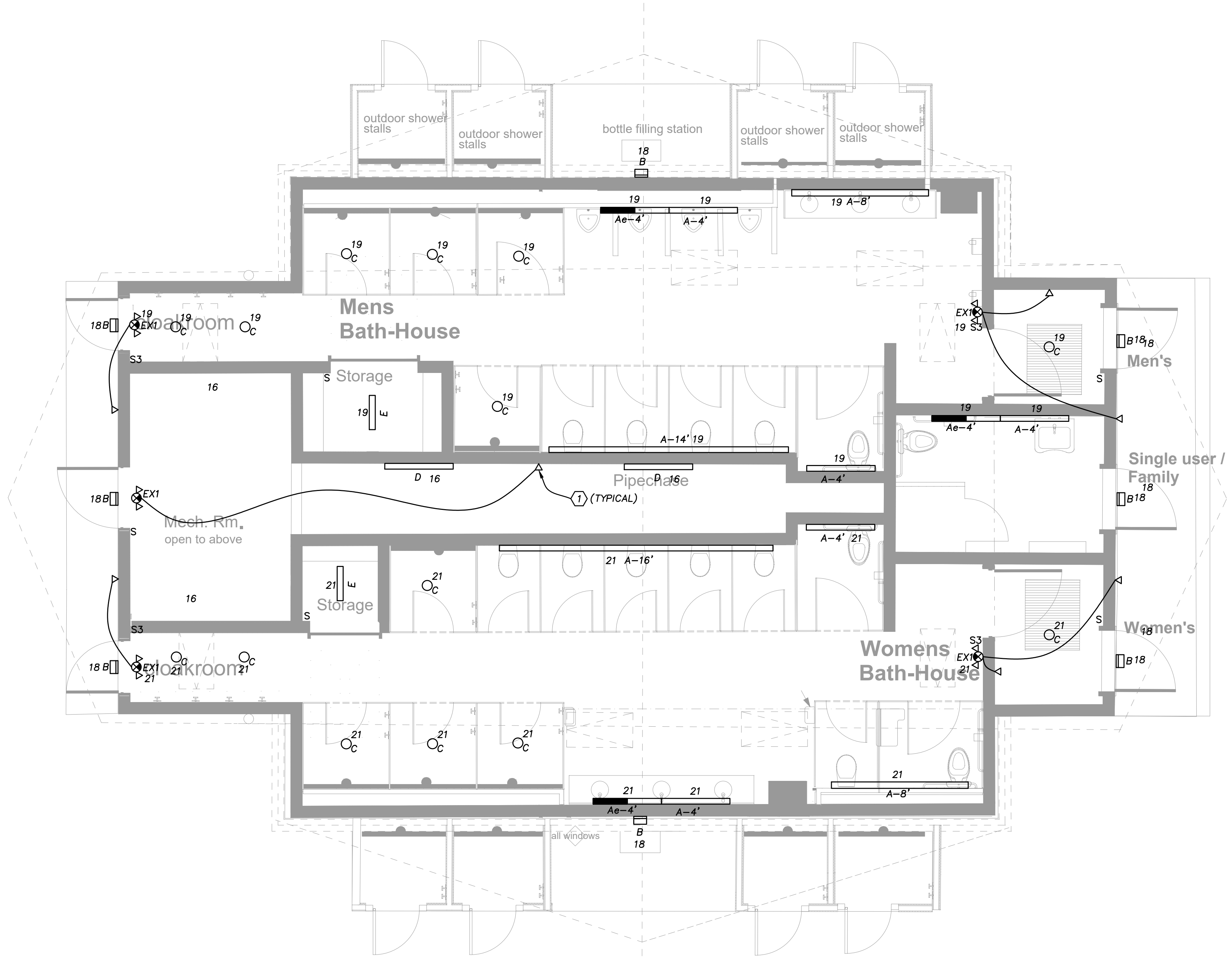
MILLS CAMP LIGHTING PLAN



**BATHHOUSES
MAIN, FISH
AND LEGION
CAMPS**

**Burlingame
State Park
Bathhouses**
RI- Department
of
Environmental
Management

235 Promenade Street
Providence, RI.
02908-5850



**MAIN, FISH AND LEGION CAMPS
LIGHTING PLAN**
SCALE: 1/4"=1'-0"

GENERAL NOTES
1. OUTDOOR LIGHTING SHALL BE CONTROLLED BY INTEGRAL PHOTOCELLS.

WORK NOTES (1)
(1) REMOTE EMERGENCY LIGHT HEAD.

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SHEET TITLE
**MAIN, FISH, AND
LEGION CAMPS
LIGHTING PLAN**

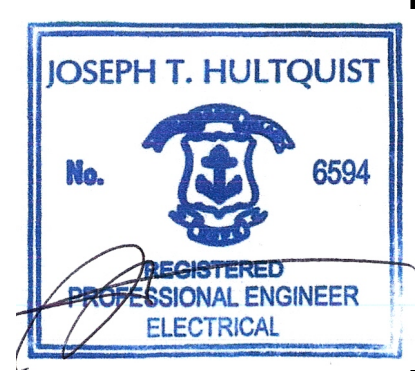


Table with columns: DESCRIPTION, LOAD (KVA), WIRE (AWG), BREAKER, PHASE, BREAKER, WIRE (AWG), LOAD (KVA), DESCRIPTION. Panel PP(MN)(F)(L) LOCATION: MECH ROOM BUILDING: MAIN, FISH, AND LEGION CAMPS. Includes rows for water heater controls, shower control panels, and various receptacles.

Table with columns: DESCRIPTION, LOAD (KVA), WIRE (AWG), BREAKER, PHASE, BREAKER, WIRE (AWG), LOAD (KVA), DESCRIPTION. Panel PP(A)(B) LOCATION: MECH ROOM BUILDING: A AND B CAMPS. Includes rows for water heater controls, shower control panels, and various receptacles.

Table with columns: DESCRIPTION, LOAD (KVA), WIRE (AWG), BREAKER, PHASE, BREAKER, WIRE (AWG), LOAD (KVA), DESCRIPTION. Panel PPM LOCATION: MECH ROOM BUILDING: MILLS CAMP. Includes rows for water heater controls, shower control panels, and various receptacles.

LIGHT FIXTURE SCHEDULE table with columns: TYPE, DESCRIPTION, APPROVED MANUFACTURERS, PART NUMBER, LAMP, FIXTURE VA/W, FIXTURE VOLTAGE, REMARKS. Lists various LED fixtures and their specifications.

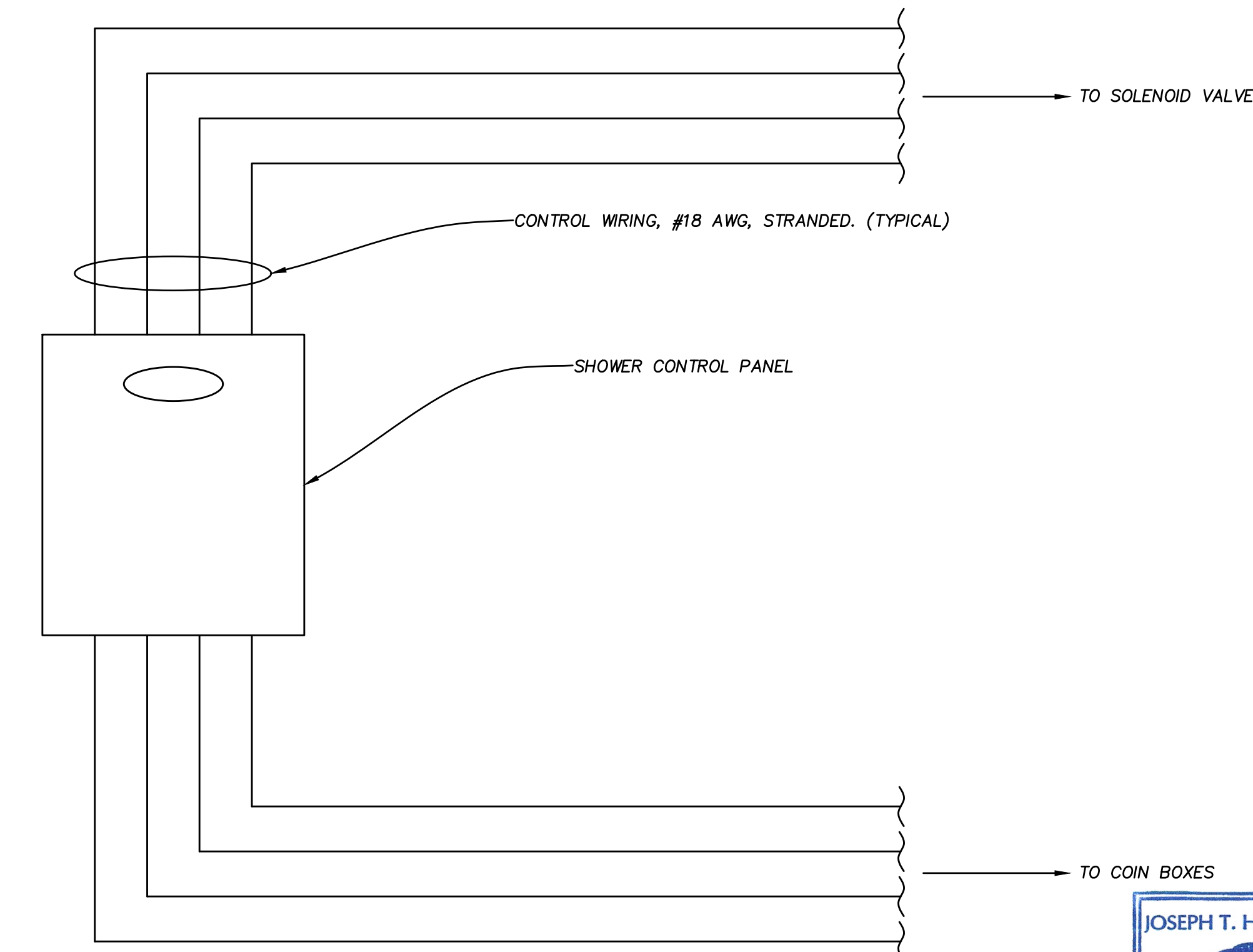
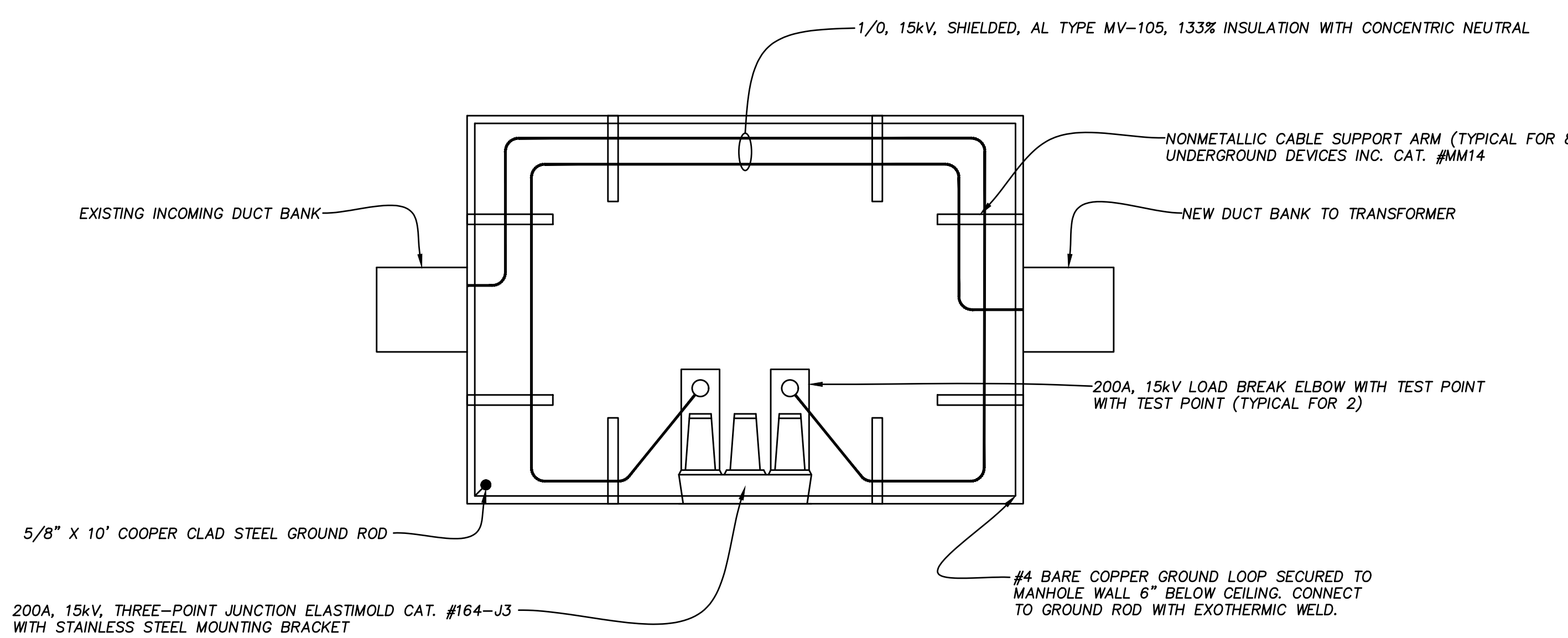
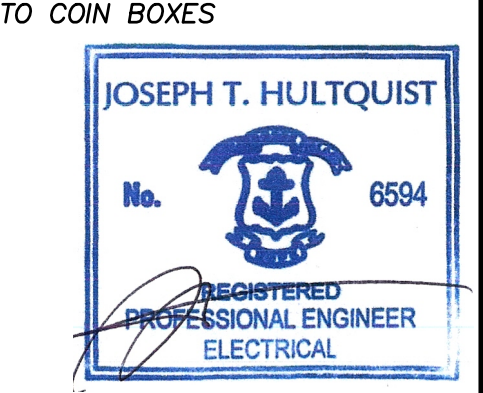


Table with columns: MARK, DATE, DESCRIPTION.

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SHEET TITLE
SCHEDULES AND DETAILS





GENERAL NOTES

1. ALL CONDUIT AND CABLE RUNS ARE DIGRAMMATIC AND INDICATE THE DESIRED GENERAL ARRANGEMENT. CONTRACTOR SHALL COORDINATE WORK WITH ALL OTHER TRADES.
2. REFER TO CIVIL SITE PLANS FOR COORDINATION WITH OTHER UTILITIES.
3. REMOVE EXISTING TRANSFORMER, SECONDARY CONDUIT AND WIRING FROM TRANSFORMER TO EXISTING BATHHOUSE.

WORK NOTES

- ① NEW 75 kVA PAD-MOUNTED, THREE PHASE TRANSFORMER – 12.47 kV PRIMARY, 120/208V SECONDARY. GROUND TO EXISTING GROUND LOOP WITH 1/0 BARE COPPER CONDUCTOR. CONTRACTOR SHALL VERIFY THAT EXISTING PAD IS LARGE ENOUGH FOR NEW TRANSFORMER AND IN SUITABLE CONDITION FOR REUSE. SHOULD CONDITION OR SIZE WARRANT REPLACEMENT, PROVIDE A NEW PRE-CAST CONCRETE PAD.
- ② 4" TYPE DB PVC CONDUIT WITH (4) 4/0 AND (1) #2 GROUND. BURY A MINIMUM OF 24" BELOW GRADE. INSTALL WARNING TAPE ABOVE CONDUIT AT A DEPTH OF 12".
- ③ 2" TYPE DB PVC CONDUIT WITH (4) #6 AND (1) #8 GROUND FOR PANEL PP1M. BURY A MINIMUM OF 24" BELOW GRADE. INSTALL WARNING TAPE ABOVE CONDUIT AT A DEPTH OF 12".
- ④ PANEL PP1M – 100A MLO, 120/208V, 3Φ, 4W, 10,000 AIC RATIN IN NEMA 4X ENCLOSURE. LOCATE NEAR WASTE TREATMENT SYSTEM CONTROL PANEL.

Caputo & Wick Ltd.

1150 Pawtucket Ave
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RI.02916-1897,

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MILLS CAMP BATHHOUSE

Burlingame State Park Bathouses

RI- Department of Environmental Management

235 Promenade Street
Providence, RI.
02908-5850

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SHEET TITLE
ELECTRICAL SITE PLAN MILLS CAMP

ES1.0

JOSEPH T. HULTQUIST
No. **6594**
REGISTERED PROFESSIONAL ENGINEER ELECTRICAL

A CAMP BATHHOUSE

Burlingame State Park Bathouses

RI- Department of Environmental Management

235 Promenade Street
Providence, RI.
02908-5850

GENERAL NOTES

1. ALL CONDUIT AND CABLE RUNS ARE DIGRAMMATIC AND INDICATE THE DESIRED GENERAL ARRANGEMENT. CONTRACTOR SHALL COORDINATE WORK WITH ALL OTHER TRADES.
2. REFER TO CIVIL SITE PLANS FOR COORDINATION WITH OTHER UTILITIES.
3. REMOVE EXISTING TRANSFORMER, SECONDARY CONDUIT AND WIRING FROM TRANSFORMER TO EXISTING BATHHOUSE.

WORK NOTES

1. NEW 37.5 kVA PAD-MOUNTED, SINGLE PHASE TRANSFORMER - 7.2 kV PRIMARY, 120/240V SECONDARY. GROUND TO EXISTING GROUND LOOP WITH 1/0 BARE COPPER CONDUCTOR. CONTRACTOR SHALL VERIFY THAT EXISTING PAD IS LARGE ENOUGH FOR NEW TRANSFORMER AND IN SUITABLE CONDITION FOR REUSE. SHOULD CONDITION OR SIZE WARRANT REPLACEMENT, PROVIDE A NEW PRE-CAST CONCRETE PAD.
2. 4" TYPE DB PVC CONDUIT WITH (3) 3/0 AND (1) #2 GROUND. BURY A MINIMUM OF 24" BELOW GRADE. INSTALL WARNING TAPE ABOVE CONDUIT AT A DEPTH OF 12".
3. 2" TYPE DB PVC CONDUIT WITH (3) #6 AND (1) #8 GROUND FOR PANEL PP1A. BURY A MINIMUM OF 24" BELOW GRADE. INSTALL WARNING TAPE ABOVE CONDUIT AT A DEPTH OF 12".
4. PANEL PP1A - 100A MLO, 120/240V, 1ø, 3W, 10,000 AIC RATING IN NEMA 4X ENCLOSURE. LOCATE NEAR WASTE TREATMENT SYSTEM CONTROL PANEL.



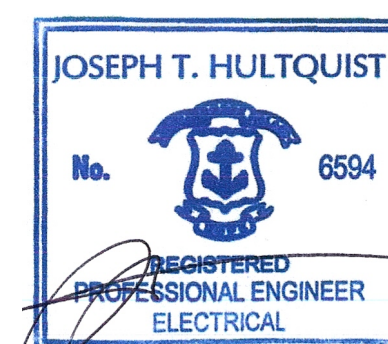
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SHEET TITLE

**ELECTRICAL SITE PLAN
A CAMP**



ES1.1

B CAMP BATHHOUSE

Burlingame State Park Bathhouses

RI- Department of Environmental Management

235 Promenade Street
Providence, RI.
02908-5850

GENERAL NOTES

1. ALL CONDUIT AND CABLE RUNS ARE DIGRAMMATIC AND INDICATE THE DESIRED GENERAL ARRANGEMENT. CONTRACTOR SHALL COORDINATE WORK WITH ALL OTHER TRADES.
2. REFER TO CIVIL SITE PLANS FOR COORDINATION WITH OTHER UTILITIES.
3. REMOVE EXISTING TRANSFORMER, SECONDARY CONDUIT AND WIRING FROM TRANSFORMER TO EXISTING BATHHOUSE.

WORK NOTES

- 1 NEW 37.5 kVA PAD-MOUNTED, SINGLE PHASE TRANSFORMER - 7.2 kV PRIMARY, 120/240V SECONDARY. GROUND TO EXISTING GROUND LOOP WITH 1/0 BARE COPPER CONDUCTOR. CONTRACTOR SHALL VERIFY THAT EXISTING PAD IS LARGE ENOUGH FOR NEW TRANSFORMER AND IN SUITABLE CONDITION FOR REUSE. SHOULD CONDITION OR SIZE WARRANT REPLACEMENT, PROVIDE A NEW PRE-CAST CONCRETE PAD.
- 2 4" TYPE DB PVC CONDUIT WITH (3) 3/0 AND (1) #2 GROUND. BURY A MINIMUM OF 24" BELOW GRADE. INSTALL WARNING TAPE ABOVE CONDUIT AT A DEPTH OF 12".
- 3 2" TYPE DB PVC CONDUIT WITH (3) #6 AND (1) #8 GROUND FOR PANEL PP1B. BURY A MINIMUM OF 24" BELOW GRADE. INSTALL WARNING TAPE ABOVE CONDUIT AT A DEPTH OF 12".
- 4 PANEL PP1B - 100A MLO, 120/240V, 1ø, 3W, 10,000 AIC RATING IN NEMA 4X ENCLOSURE. LOCATE NEAR WASTE TREATMENT SYSTEM CONTROL PANEL.



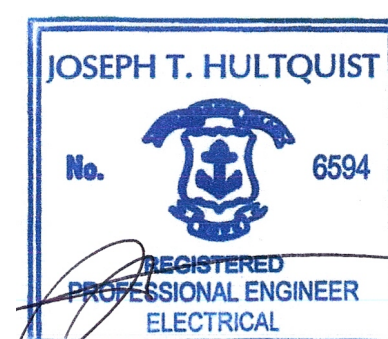
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SHEET TITLE

**ELECTRICAL SITE PLAN
B CAMP**

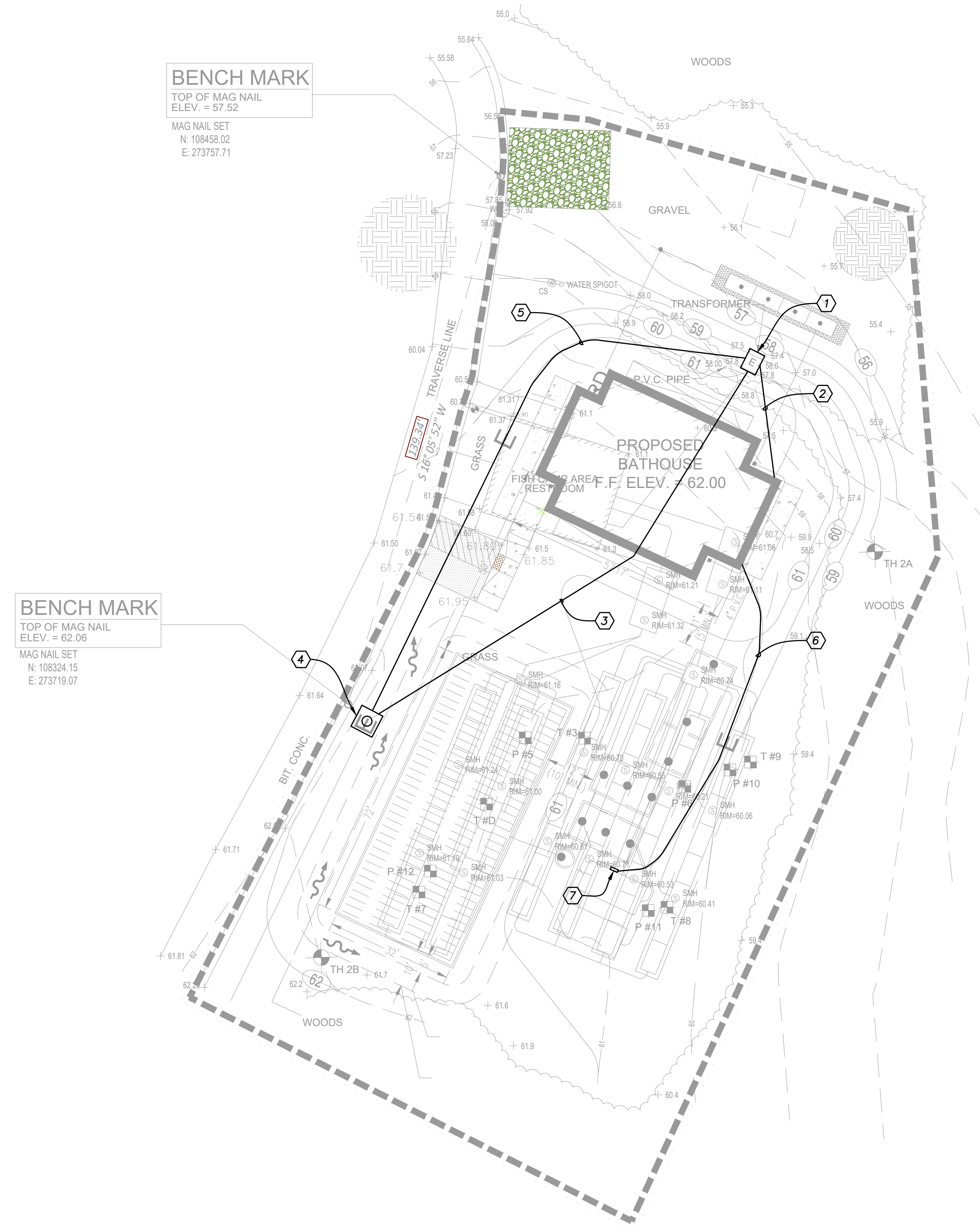


GENERAL NOTES

1. ALL CONDUIT AND CABLE RUNS ARE DIGRAMMATIC AND INDICATE THE DESIRED GENERAL ARRANGEMENT. CONTRACTOR SHALL COORDINATE WORK WITH ALL OTHER TRADES.
2. REFER TO CIVIL SITE PLANS FOR COORDINATION WITH OTHER UTILITIES.
3. REMOVE EXISTING TRANSFORMER, SECONDARY CONDUIT AND WIRING FROM TRANSFORMER TO EXISTING BATHHOUSE.

WORK NOTES

1. NEW 37.5 kVA PAD-MOUNTED, SINGLE PHASE TRANSFORMER - 7.2 kV PRIMARY, 120/240V SECONDARY. GROUND TO EXISTING GROUND LOOP WITH 1/0 BARE COPPER CONDUCTOR. CONTRACTOR SHALL VERIFY THAT EXISTING PAD IS LARGE ENOUGH FOR NEW TRANSFORMER AND IN SUITABLE CONDITION FOR REUSE. SHOULD CONDITION OR SIZE WARRANT REPLACEMENT, PROVIDE A NEW PRE-CAST CONCRETE PAD.
2. 4" TYPE DB PVC CONDUIT WITH (3) 3/0 AND (1) #2 GROUND. BURY A MINIMUM OF 24" BELOW GRADE. INSTALL WARNING TAPE ABOVE CONDUIT AT A DEPTH OF 12".
3. PULL EXISTING PRIMARY CONDUCTORS BACK TO LOCATION OF NEW MANHOLE. REMOVE EXISTING PRIMARY DUCTBANK BACK TO SAME LOCATION.
4. NEW 6'X6'X7" PRECAST CONCRETE MANHOLE FOR SPLICING EXISTING CONDUCTORS TO NEW. SEE DETAIL ON DRAWING E5.0.
5. NEW CONCRETE ENCASED DUCTBANK WITH (2) 4" SCHEDULE 40 PVC CONDUITS. PROVIDE (1) 1/0, 15 kV, AL TYPE MV-105 CONDUCTOR WITH 133% INSULATION AND CONCENTRIC NEUTRAL IN ONE CONDUIT TO FEED NEW TRANSFORMER. TOP OF DUCTBANK SHALL BE 30" BELOW GRADE. INSTALL WARNING TAPE ABOVE DUCTBANK AT DEPTH OF 12".
6. 2" TYPE DB PVC CONDUIT WITH (3) #6 AND (1) #8 GROUND FOR PANEL PP1A. BURY A MINIMUM OF 24" BELOW GRADE. INSTALL WARNING TAPE ABOVE CONDUIT AT A DEPTH OF 12".
7. PANEL PP1F - 100A MLO, 120/240V, 1Ø, 3W, 10,000 AIC RATING IN NEMA 4X ENCLOSURE. LOCATE NEAR WASTE TREATMENT SYSTEM CONTROL PANEL.



BENCH MARK
TOP OF MAG NAIL
ELEV. = 57.52
MAG NAIL SET
N: 108458.02
E: 273757.71

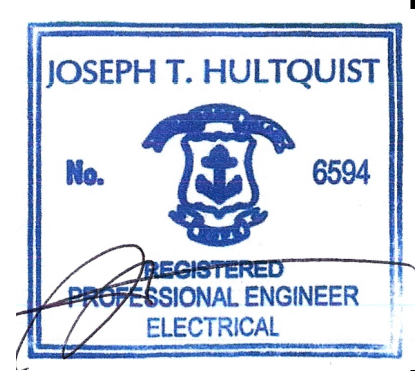
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TOP OF MAG NAIL
ELEV. = 62.06
MAG NAIL SET
N: 108324.15
E: 273719.07

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SHEET TITLE
**ELECTRICAL SITE PLAN
FISH CAMP**



MAIN CAMP BATHHOUSE

Burlingame State Park Bathouses

RI- Department of Environmental Management

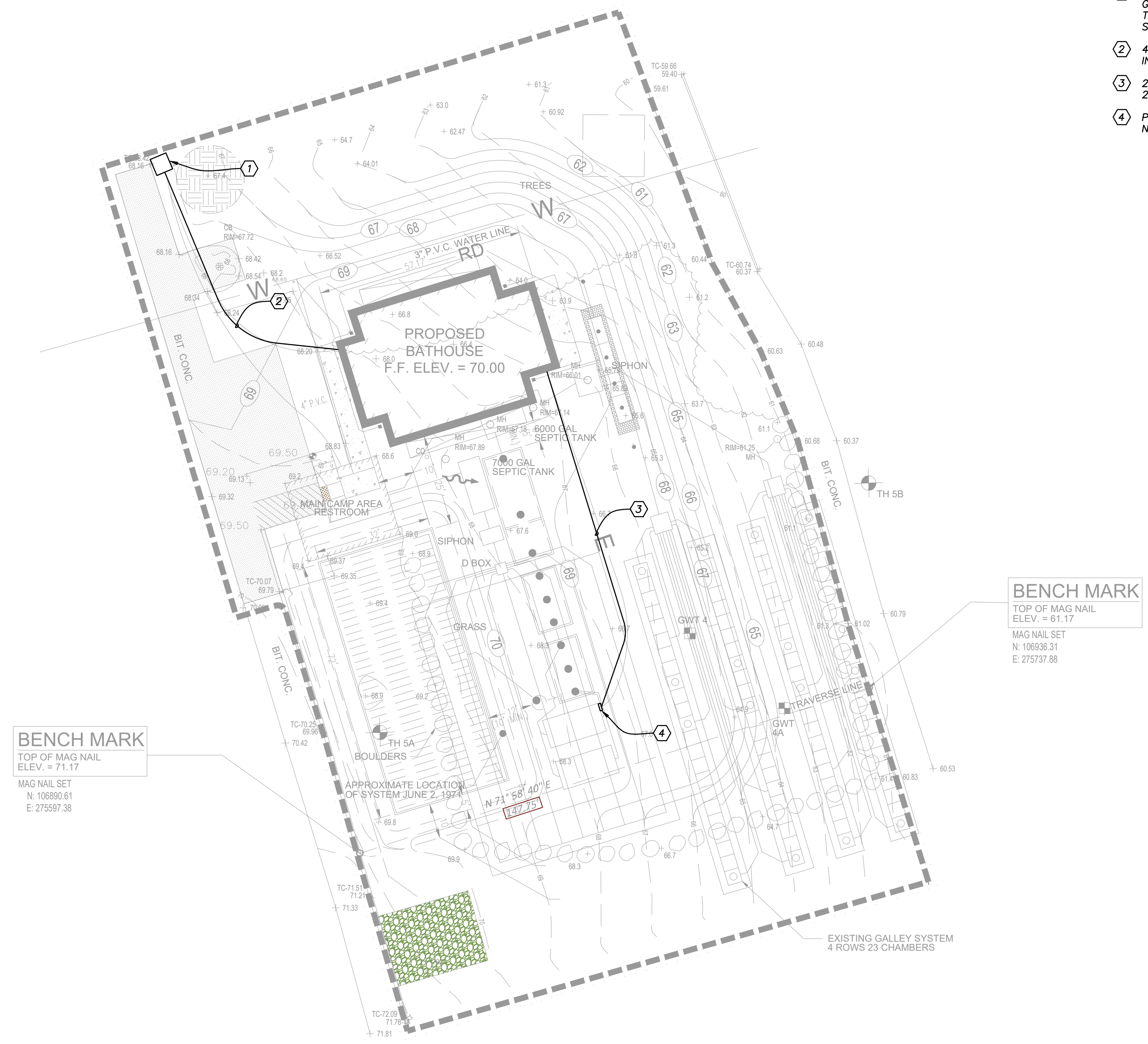
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Providence, RI.
02908-5850

GENERAL NOTES

1. ALL CONDUIT AND CABLE RUNS ARE DIGRAMMATIC AND INDICATE THE DESIRED GENERAL ARRANGEMENT. CONTRACTOR SHALL COORDINATE WORK WITH ALL OTHER TRADES.
2. REFER TO CIVIL SITE PLANS FOR COORDINATION WITH OTHER UTILITIES.
3. REMOVE EXISTING TRANSFORMER, SECONDARY CONDUIT AND WIRING FROM TRANSFORMER TO EXISTING BATHHOUSE.

WORK NOTES

- 1 NEW 37.5 kVA PAD-MOUNTED, SINGLE PHASE TRANSFORMER - 7.2 kV PRIMARY, 120/240V SECONDARY. GROUND TO EXISTING GROUND LOOP WITH 1/0 BARE COPPER CONDUCTOR. CONTRACTOR SHALL VERIFY THAT EXISTING PAD IS LARGE ENOUGH FOR NEW TRANSFORMER AND IN SUITABLE CONDITION FOR REUSE. SHOULD CONDITION OR SIZE WARRANT REPLACEMENT, PROVIDE A NEW PRE-CAST CONCRETE PAD.
- 2 4" TYPE DB PVC CONDUIT WITH (3) 3/0 AND (1) #2 GROUND. BURY A MINIMUM OF 24" BELOW GRADE. INSTALL WARNING TAPE ABOVE CONDUIT AT A DEPTH OF 12".
- 3 2" TYPE DB PVC CONDUIT WITH (3) #6 AND (1) #8 GROUND FOR PANEL PP1MN. BURY A MINIMUM OF 24" BELOW GRADE. INSTALL WARNING TAPE ABOVE CONDUIT AT A DEPTH OF 12".
- 4 PANEL PP1MN - 100A MLO, 120/240V, 1#, 3W, 10,000 AIC RATING IN NEMA 4X ENCLOSURE. LOCATE NEAR WASTE TREATMENT SYSTEM CONTROL PANEL.



BENCH MARK
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ELEV. = 71.17
MAG NAIL SET
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E: 275597.38

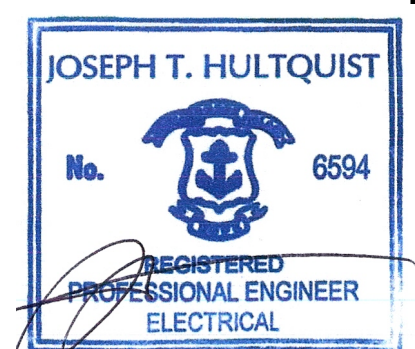
BENCH MARK
TOP OF MAG NAIL
ELEV. = 61.17
MAG NAIL SET
N: 106836.31
E: 275737.88

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**ELECTRICAL SITE PLAN
MAIN CAMP**



ES1.4

LEGION CAMP BATHHOUSE

Burlingame State Park Bathouses

RI- Department of Environmental Management

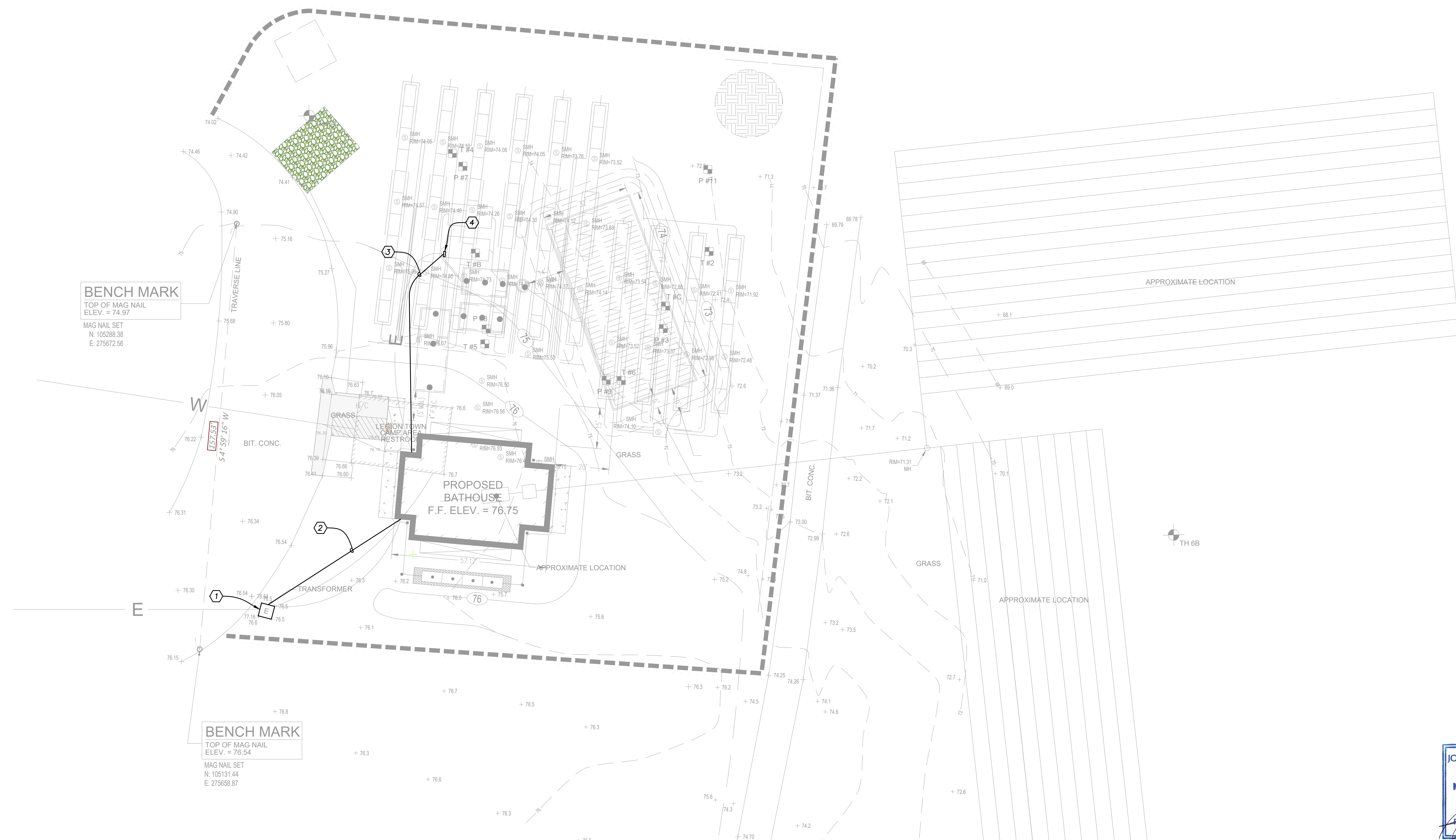
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Providence, RI.
02908-5850

GENERAL NOTES

1. ALL CONDUIT AND CABLE RUNS ARE DIGRAMMATIC AND INDICATE THE DESIRED GENERAL ARRANGEMENT. CONTRACTOR SHALL COORDINATE WORK WITH ALL OTHER TRADES.
2. REFER TO CIVIL SITE PLANS FOR COORDINATION WITH OTHER UTILITIES.
3. REMOVE EXISTING TRANSFORMER, SECONDARY CONDUIT AND WIRING FROM TRANSFORMER TO EXISTING BATHHOUSE.

WORK NOTES

- 1 NEW 37.5 kVA PAD-MOUNTED, SINGLE PHASE TRANSFORMER - 7.2 kV PRIMARY, 120/240V SECONDARY. GROUND TO EXISTING GROUND LOOP WITH 1/0 BARE COPPER CONDUCTOR. CONTRACTOR SHALL VERIFY THAT EXISTING PAD IS LARGE ENOUGH FOR NEW TRANSFORMER AND IN SUITABLE CONDITION FOR REUSE. SHOULD CONDITION OR SIZE WARRANT REPLACEMENT, PROVIDE A NEW PRE-CAST CONCRETE PAD.
- 2 4" TYPE DB PVC CONDUIT WITH (3) 3/0 AND (1) #2 GROUND. BURY A MINIMUM OF 24" BELOW GRADE. INSTALL WARNING TAPE ABOVE CONDUIT AT A DEPTH OF 12".
- 3 2" TYPE DB PVC CONDUIT WITH (3) #6 AND (1) #8 GROUND FOR PANEL PP1L. BURY A MINIMUM OF 24" BELOW GRADE. INSTALL WARNING TAPE ABOVE CONDUIT AT A DEPTH OF 12".
- 4 PANEL PP1L - 100A MLO, 120/240V, 1#, 3W, 10,000 AIC RATING IN NEMA 4X ENCLOSURE. LOCATE NEAR WASTE TREATMENT SYSTEM CONTROL PANEL.



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SHEET TITLE

**ELECTRICAL SITE PLAN
LEGION CAMP**

