

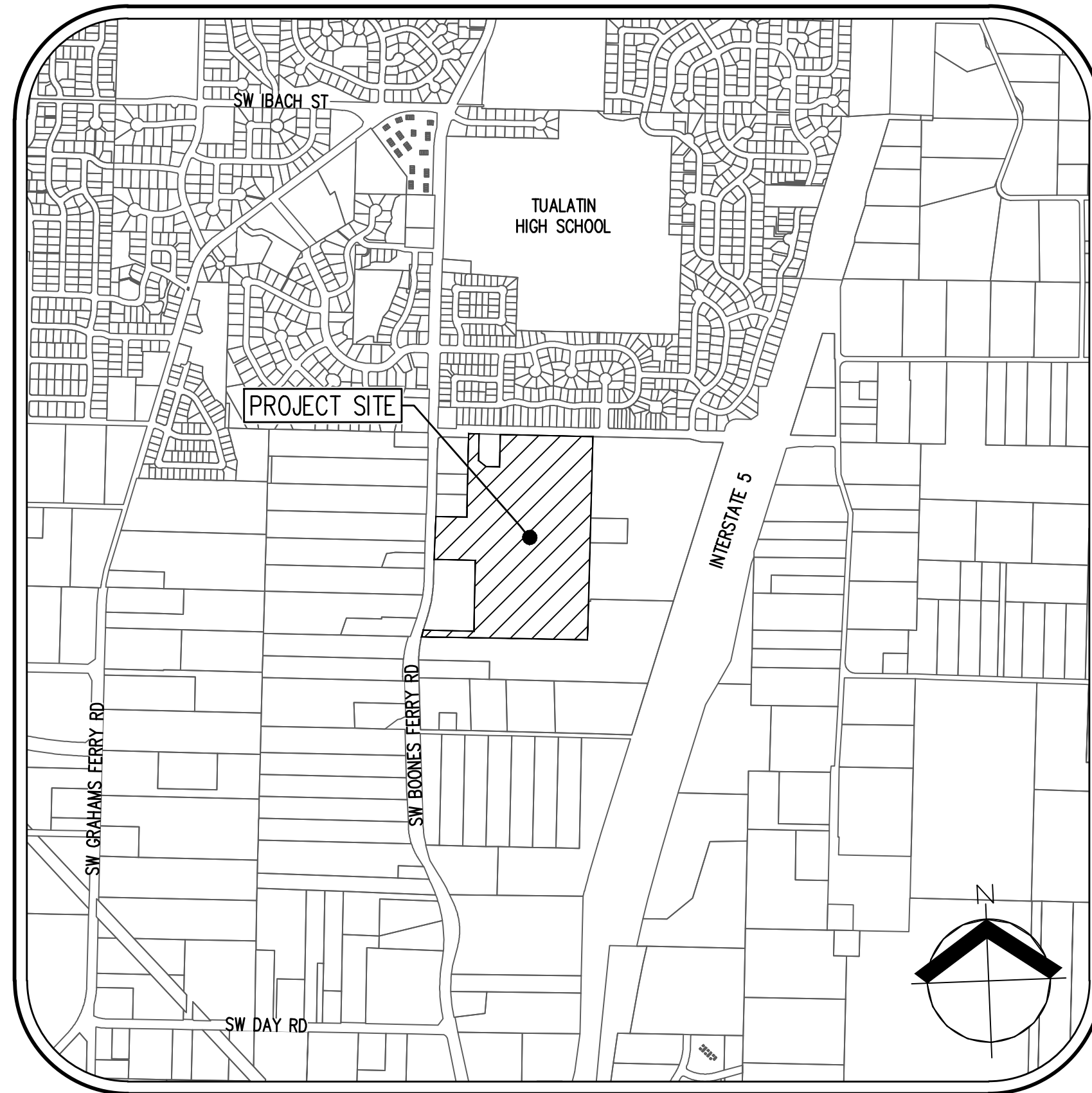
HORIZON COMMUNITY CHURCH EXPANSION



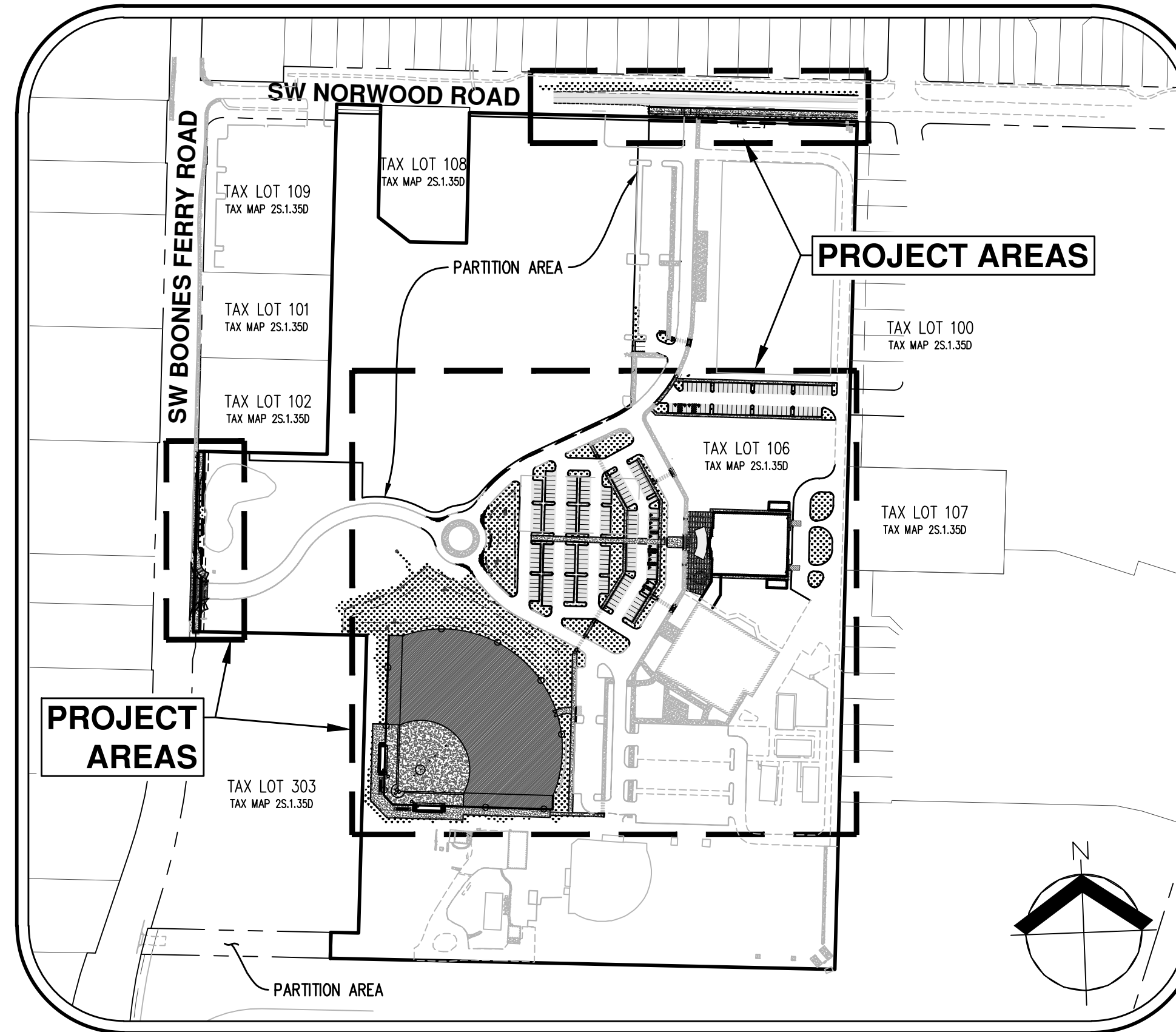
AKS
 ENGINEERING & FORESTRY, LLC
 12965 SW HERMAN RD, STE 100
 TUALATIN, OR 97062
 503.563.6151
 WWW.AKS-ENG.COM
 ENGINEERING - SURVEYING - NATURAL RESOURCES
 FORESTRY - PLANNING - LANDSCAPE ARCHITECTURE

PRELIMINARY DEVELOPMENT REVIEW PLANS

LAND USE CASE FILE NUMBER: _____



VICINITY MAP
NTS

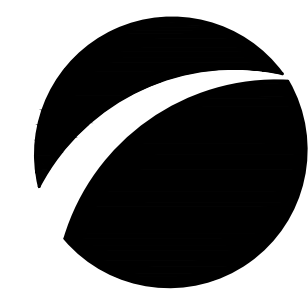


SITE MAP
NTS

		LEGEND	
		EXISTING	PROPOSED
DECIDUOUS TREE			
CONIFEROUS TREE			
FIRE HYDRANT			
WATER BLOWOFF			
WATER METER			
WATER VALVE			
DOUBLE CHECK VALVE			
AIR RELEASE VALVE			
SANITARY SEWER CLEAN OUT			
SANITARY SEWER MANHOLE			
SIGN			
STREET LIGHT			
MAILBOX			
		EXISTING	PROPOSED
RIGHT-OF-WAY LINE			
BOUNDARY LINE			
PROPERTY LINE			
CENTERLINE			
DITCH			
CURB			
EDGE OF PAVEMENT			
EASEMENT			
FENCE LINE			
GRAVEL EDGE			
POWER LINE			
OVERHEAD WIRE			
COMMUNICATIONS LINE			
FIBER OPTIC LINE			
GAS LINE			
STORM DRAIN LINE			
SANITARY SEWER LINE			
WATER LINE			

SHEET LIST TABLE

P0	COVER SHEET WITH SITE MAP, VICINITY MAP, AND LEGEND
P1	EXISTING CONDITIONS PLAN - NORTH
P2	EXISTING CONDITIONS PLAN - SOUTH
P3	EXISTING CONDITIONS PLAN - NOTES
P4	PRELIMINARY DEMOLITION PLAN - PARKING LOT
P5	PRELIMINARY DEMOLITION PLAN - AUXILIARY SITES
P6	PRELIMINARY GRADING & ESC PLAN - PARKING LOT
P7	PRELIMINARY GRADING & ESC PLAN - BASEBALL FIELD
P8	PRELIMINARY GRADING & ESC PLAN - SW NORWOOD RD
P9	PRELIMINARY GRADING & ESC PLAN - SW BOONES FERRY ROAD
P10	PRELIMINARY SITE PLAN - PARKING LOT
P11	PRELIMINARY SITE PLAN - AUXILIARY SITES
P12	PRELIMINARY COMPOSITE UTILITY PLAN - PARKING LOT
P13	PRELIMINARY COMPOSITE UTILITY PLAN - AUXILIARY SITES
P14	PRELIMINARY GARBAGE AND FIRE ACCESS PLAN
P15	PRELIMINARY TREE PRESERVATION AND REMOVAL PLAN
P16	PRELIMINARY TREE PRESERVATION AND REMOVAL PLAN
P17	PRELIMINARY TREE PRESERVATION AND REMOVAL TABLE
P18	PRELIMINARY LANDSCAPE PLAN - PARKING LOT
P19	PRELIMINARY LANDSCAPE PLAN - AUXILIARY SITES
P20	PRELIMINARY LANDSCAPE NOTES AND PLANT SCHEDULE



Know what's below.
Call before you dig.

PROJECT TEAM

OWNER'S REPRESENTATIVE/APPLICANT

HORIZON COMMUNITY CHURCH
 236020 SW BOONES FERRY RD.
 TUALATIN, OR, 97062
 CONTACT: KEN ALLEN

CIVIL ENGINEERING/PLANNING/ SURVEYING/LANDSCAPE ARCHITECTURE

AKS ENGINEERING & FORESTRY, LLC.
 12965 SW HERMAN ROAD SUITE 100
 TUALATIN, OR 97062
 CONTACT: MIMI DOUKAS, AICP, RLA
 PHONE: 503.563.6151

AREA SUMMARY

PARENT PROPERTY AREA:	±38.1 ACRES
PARTITION PARCEL 1 (SUBJECT PROPERTY):	±29.4 ACRES
PARTITION PARCEL 2:	±8.3 ACRES
TRACT A:	±0.4 ACRES

PARCEL 1 IMPERVIOUS AREA:

	MODIFIED	REMOVED	UNALTERED	PROPOSED	TOTAL IMPERVIOUS
*PUBLIC RIGHT-OF-WAY:	±15,000 SF	±2,400 SF	±0 SF	±12,000 SF	±27,000 SF
PRIVATE PROPERTY:	±3,940 SF	±1,820 SF	±439,580 SF	±252,730 SF	±696,250 SF
TOTAL:	±18,940 SF	±4,220 SF	±439,580 SF	±264,730 SF	±723,250 SF

*NOTE: IMPERVIOUS SURFACES WITHIN THE PUBLIC RIGHT-OF-WAY BUT OUTSIDE THE AREA OF DISTURBANCE ARE NOT INCLUDED.

PROPERTY LOCATION

LOCATED AT 23370 SW BOONES FERRY ROAD.

PROPERTY DESCRIPTION

THE SITE INCLUDES A ±29.4 ACRE PORTION OF TAX LOT 106 OF THE WASHINGTON COUNTY ACCESSOR'S MAP 2S135D. LOCATED IN THE SE 1/4 OF SECTION 35, TOWNSHIP 2 SOUTH, RANGE 1 WEST, WILLAMETTE MERIDIAN, CITY OF TUALATIN, WASHINGTON COUNTY OREGON.

PROJECT PURPOSE

THE PURPOSE OF THIS PROJECT IS TO CONSTRUCT A NEW SANCTUARY AND BASEBALL FIELD ALONG WITH ASSOCIATED PARKING LOT AND FRONTAGE IMPROVEMENTS. SITE IMPROVEMENT WILL INCLUDE THE RE-CONFIGURATION AND UPDATE OF THE EXISTING STORMWATER FACILITIES AND ASSOCIATE UNDERGROUND UTILITIES.

VERTICAL DATUM

ELEVATIONS ARE BASED ON WASHINGTON COUNTY BENCHMARK NO. 967. LOCATED ON THE WEST CURB OF SW BOONES FERRY ROAD APPROXIMATELY 60 FEET SOUTH OF THE INTERSECTION OF SW NORWOOD ROAD. ELEVATION = 334.00 FEET (NGVD 29). CONVERTED TO NAVD 88 BY ADDING 3.52 FEET PER THE CITY OF TUALATIN ELEVATION = 337.52 FEET (NAVD 88).

EXISTING LAND USE

THE SUBJECT PROPERTY IS CURRENTLY DEVELOPED WITH EXISTING BUILDING (HORIZON COMMUNITY CHURCH AND HIGH SCHOOL), SPORTS FIELDS, AND ASSOCIATED PARKING LOTS. THE SITE IS OWNED BY THE HORIZON COMMUNITY CHURCH AND IS WITHIN THE INSTITUTIONAL ZONING DISTRICT.

PRIVATE UTILITIES

IN ADDITION TO LOCATING PUBLIC UTILITIES, CONTRACTOR IS RESPONSIBLE FOR HIRING A PRIVATE LOCATOR AND LOCATING ALL PRIVATE UTILITIES WITHIN THE PROJECT LIMITS.

COVER SHEET WITH SITE MAP, VICINITY MAP, AND LEGEND
 HORIZON COMMUNITY CHURCH EXPANSION
 TUALATIN OREGON

PRELIMINARY
NOT FOR
CONSTRUCTION

JOB NUMBER:	9349
DATE:	05/08/2024
DESIGNED BY:	CAK
DRAWN BY:	TBD
CHECKED BY:	CAK



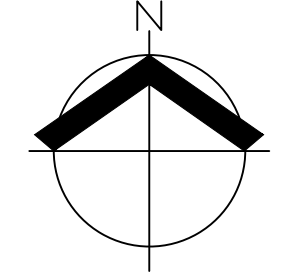
EXISTING CONDITIONS PLAN - NORTH
HORIZON COMMUNITY CHURCH EXPANSION
HORIZON COMMUNITY CHURCH, TUALATIN, OREGON

REGISTERED PROFESSIONAL LAND SURVEYOR
Nick White
OREGON
JANUARY 9, 2007
NICK WHITE
7065215
RENEWS: 6/30/24

JOB NUMBER: 9349
DATE: 05/08/2024
DESIGNED BY:
DRAWN BY: MSD
CHECKED BY: NSW



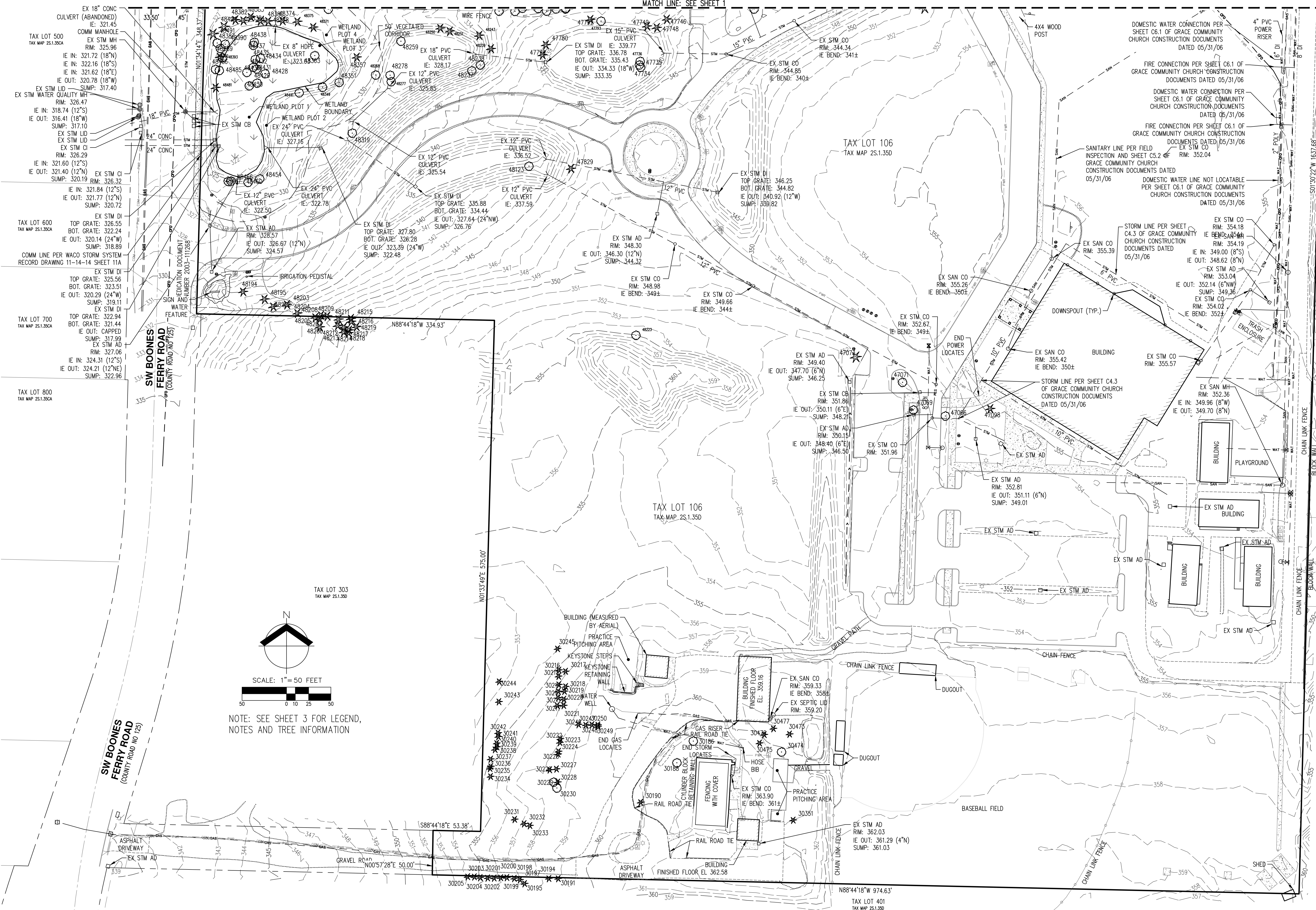
MATCH LINE: SEE SHEET 2



SCALE: 1" = 50 FEET

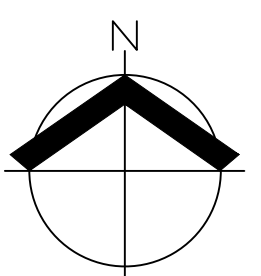
NOTE: SEE SHEET 3 FOR LEGEND, NOTES AND TREE INFORMATION

MATCH LINE: SEE SHEET 1



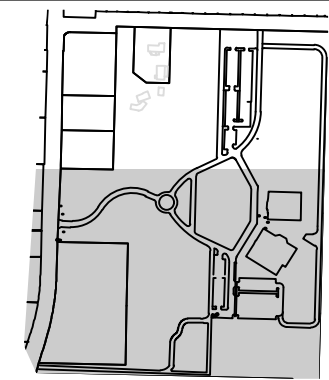
NOTE: SEE SHEET 3 FOR LEGEND,
NOTES AND TREE INFORMATION

SCALE: 1" = 50 FEET



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EXISTING CONDITIONS PLAN - SOUTH

HORIZON COMMUNITY CHURCH EXPANSION
HORIZON COMMUNITY CHURCH, TUALATIN, OREGON

REGISTERED PROFESSIONAL LAND SURVEYOR
Noble White
OREGON
JANUARY 9, 2007
NICK WHITE
7065215
RENEWS: 6/30/24

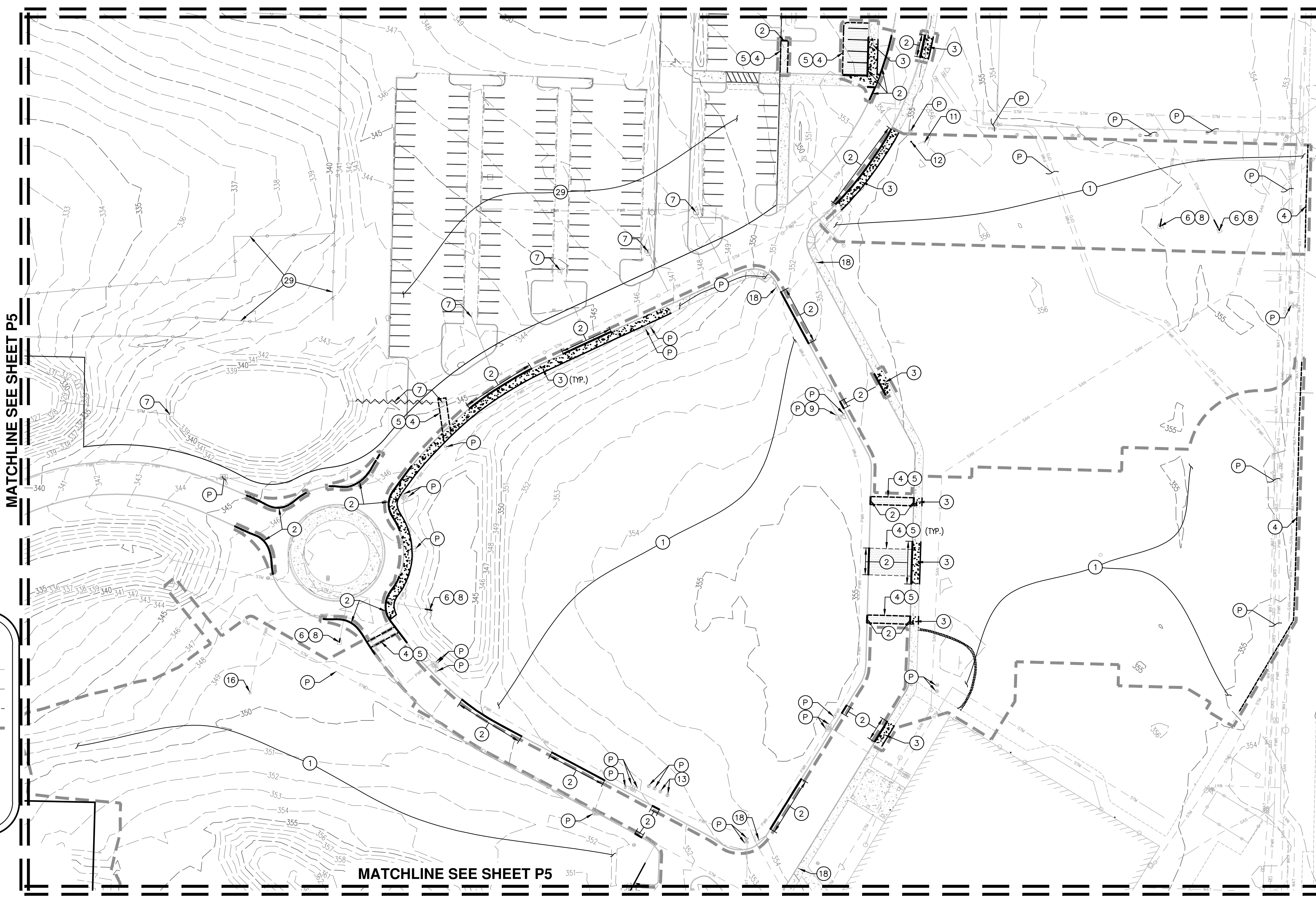
JOB NUMBER: 9349
DATE: 05/08/2024
DESIGNED BY:
DRAWN BY: MSD
CHECKED BY: NSW



PRELIMINARY DEMOLITION PLAN - PARKING LOT
HORIZON COMMUNITY CHURCH EXPANSION
TUALATIN OREGON

**PRELIMINARY
 NOT FOR
 CONSTRUCTION**

JOB NUMBER: 9349
 DATE: 05/08/2024
 DESIGNED BY: CAK
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 CHECKED BY: CAK



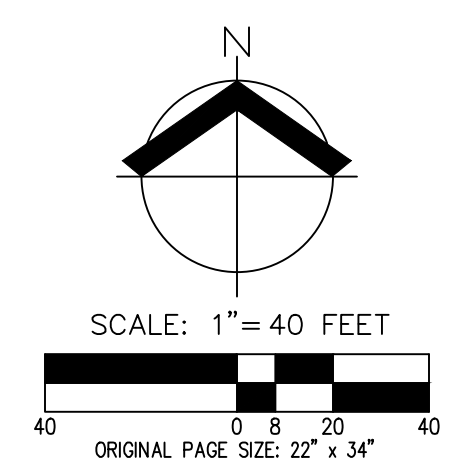
NOTE: REFER TO TREE PRESERVATION AND REMOVAL PLAN, SHEETS P15 TO P16, FOR TREES THAT ARE BEING REMOVED OR PROTECTED.

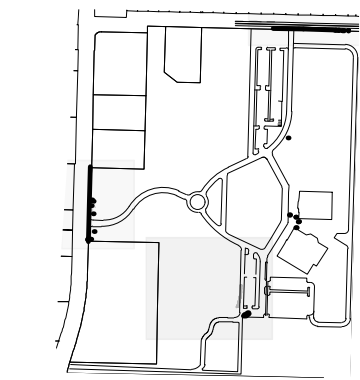
LEGEND

EXISTING GROUND CONTOUR (2 FT)	---	348
EXISTING GROUND CONTOUR (10 FT)	---	350
AC SAWCUT	---	
DISTURBED AREA BOUNDARY	---	
CONCRETE SIDEWALK TO REMAIN	[Pattern]	
CONCRETE SIDEWALK TO BE REMOVED	[Pattern]	
AC TO BE REMOVED	[Pattern]	

#KEYED NOTE LEGEND

- | | | | |
|---|---|---|---|
| 1. STRIP AND REMOVE ALL VEGETATION, STUMPS, GARBAGE, ETC. | 10. RELOCATE STREET LIGHT OUTSIDE OF PROPOSED SIDEWALK AS NEEDED AND ADJUST TO FINISHED GRADE. | 17. REMOVE EXISTING ROAD STRIPING. | 26. NOT USED. |
| 2. EXISTING CURB TO BE REMOVED. | 11. RELOCATE SIGNAGE OUTSIDE OF PROPOSED IMPROVEMENTS. | 18. REMOVE EXISTING BOLLARD. | 27. REMOVE EXISTING CULVERT. |
| 3. EXISTING SIDEWALK TO BE REMOVED. | 12. REMOVE EXISTING 4X4 WOOD POST. | 19. OVERHEAD LINES TO BE UNDERGROUND. | 28. REMOVE GRAVEL. |
| 4. AC SAWCUT. | 13. RELOCATE EXISTING IRRIGATION VALVE OUTSIDE OF PROPOSED SIDEWALK AS NEEDED AND ADJUST TO FINISHED GRADE. | 20. PROTECT COMMUNICATION BOX AND ADJUST TO FINISHED GRADE AS NEEDED. | 29. DEMOLITION OF EXISTING IMPROVEMENTS ASSOCIATED WITH THE PARTITION. TO BE COMPLETED BY OTHERS. |
| 5. REMOVE EXISTING ASPHALT. | 14. PROTECT EXISTING WATER IMPROVEMENT AND ADJUST TO FINISHED GRADE AS NEEDED. | 21. REMOVE EXISTING OUTLET STRUCTURE. MAX. 50 CY CUT AND FILL ALLOWED WITHIN THE WETLAND. | 30. SIGN AND WATER FEATURE TO BE RELOCATED, DESIGN BY OTHER. |
| 6. CAP EXISTING STORM PIPE AND ABANDON IN PLACE. | 15. RELOCATE EXISTING WATER METER OUTSIDE OF PROPOSED ROAD IMPROVEMENTS AS NEEDED AND ADJUST TO FINISHED GRADE. | 22. REMOVE UTILITY POLE. OVERHEAD LINES TO BE UNDERGROUND. | (P) CONTRACTOR TO PROTECT EXISTING ROAD IMPROVEMENTS, SIDEWALKS, SERVICES, INFRASTRUCTURE ETC. THROUGHOUT DEMOLITION AND CONSTRUCTION. ANY DAMAGE SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE. DURING CONSTRUCTION ADJUST TO FINISHED GRADE AS NECESSARY. |
| 7. DISCONNECT/REROUTE STORMWATER STRUCTURE UNDER SEPARATE LAND USE APPLICATION BY OTHERS. | 16. RELOCATE EXISTING LIGHT OUTSIDE OF PROPOSED STORMWATER IMPROVEMENTS AS NEEDED AND ADJUST TO FINISHED GRADE. | 23. PROTECT EXISTING POWER VAULT AND ADJUST TO FINISHED GRADE AS NEEDED. | |
| 8. REMOVE EXISTING STORM CATCH BASIN/DITCH INLET. | | 24. ADJUST EXISTING MANHOLE CONE SECTION TO FINISHED GRADE AS NEEDED. | |
| 9. RELOCATE JUNCTION BOX OUTSIDE OF PROPOSED SIDEWALK AS NEEDED AND ADJUST TO FINISHED GRADE. | | 25. IRRIGATION VALVE RELOCATION PENDING FOUNTAIN RELOCATION. | |

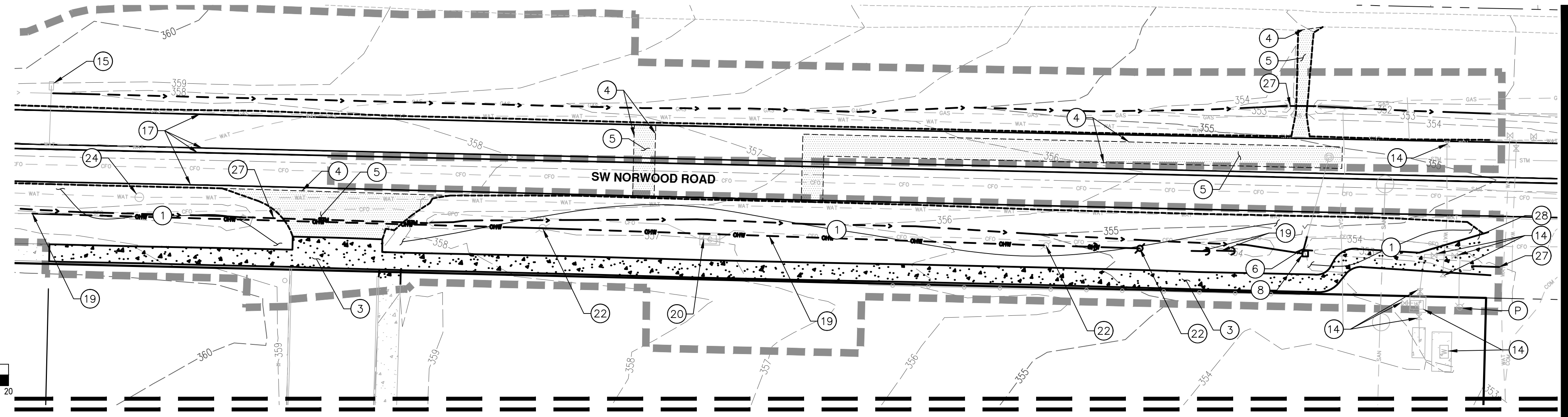




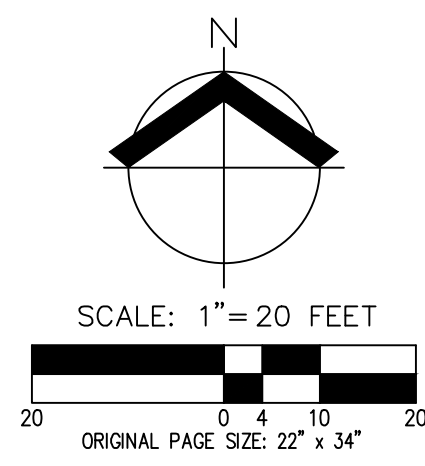
PRELIMINARY DEMOLITION PLAN - AUXILIARY SITES
HORIZON COMMUNITY CHURCH EXPANSION
TUALATIN OREGON

**PRELIMINARY
 NOT FOR
 CONSTRUCTION**

JOB NUMBER:	9349
DATE:	05/08/2024
DESIGNED BY:	CAK
DRAWN BY:	TBD
CHECKED BY:	CAK



MATCHLINE SEE SHEET P4



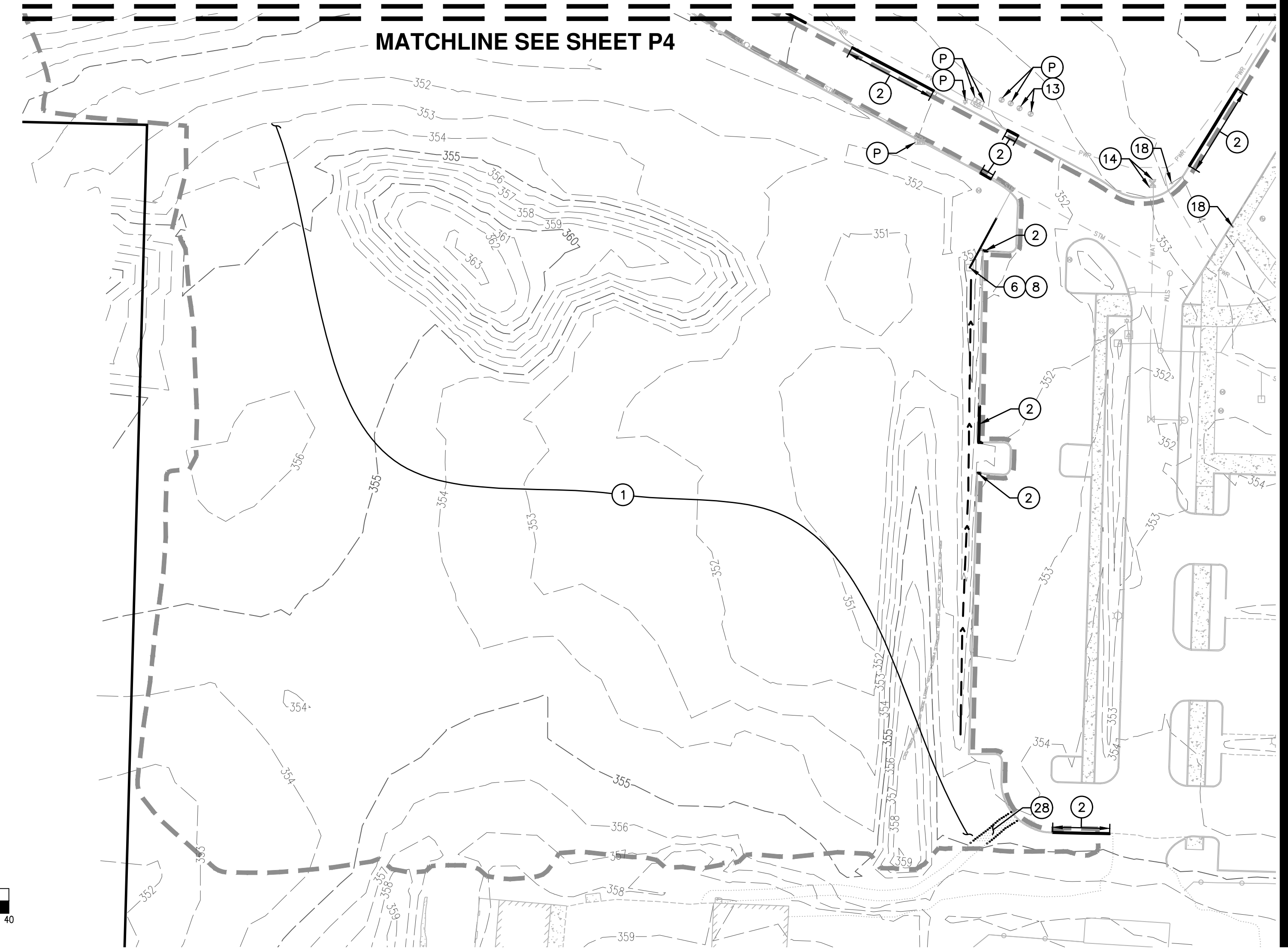
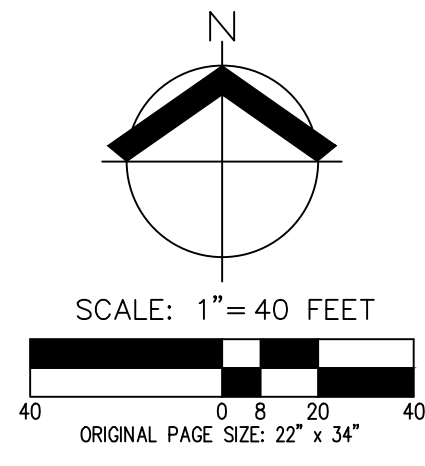
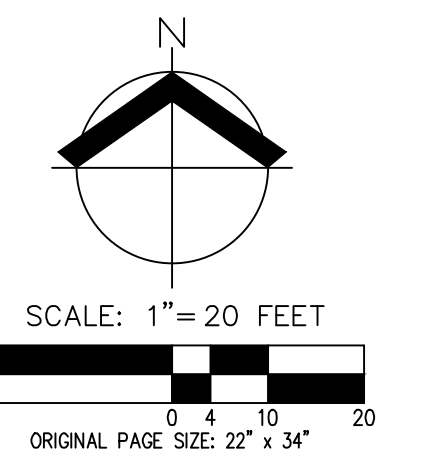
#KEYED NOTE LEGEND

1. STRIP AND REMOVE ALL VEGETATION, STUMPS, GARBAGE, ETC.
2. EXISTING CURB TO BE REMOVED.
3. EXISTING SIDEWALK TO BE REMOVED.
4. AC SAWCUT.
5. REMOVE EXISTING ASPHALT.
6. CAP EXISTING STORM PIPE AND ABANDON IN PLACE.
7. DISCONNECT/REROUTE STORMWATER STRUCTURE UNDER SEPARATE LAND USE APPLICATION BY OTHERS.
8. REMOVE EXISTING STORM CATCH BASIN/DITCH INLET.
9. RELOCATE JUNCTION BOX OUTSIDE OF PROPOSED SIDEWALK AS NEEDED AND ADJUST TO FINISHED GRADE.
10. RELOCATE STREET LIGHT OUTSIDE OF PROPOSED SIDEWALK AS NEEDED AND ADJUST TO FINISHED GRADE.
11. RELOCATE SIGNAGE OUTSIDE OF PROPOSED IMPROVEMENTS.
12. REMOVE EXISTING 4X4 WOOD POST.
13. RELOCATE EXISTING IRRIGATION VALVE OUTSIDE OF PROPOSED SIDEWALK AS NEEDED AND ADJUST TO FINISHED GRADE.
14. PROTECT EXISTING WATER IMPROVEMENT AND ADJUST TO FINISHED GRADE AS NEEDED.
15. RELOCATE EXISTING WATER METER OUTSIDE OF PROPOSED ROAD IMPROVEMENTS AS NEEDED AND ADJUST TO FINISHED GRADE.
16. RELOCATE EXISTING LIGHT OUTSIDE OF PROPOSED STORMWATER IMPROVEMENTS AS NEEDED AND ADJUST TO FINISHED GRADE.
17. REMOVE EXISTING ROAD STRIPING.
18. REMOVE EXISTING BOLLARD.
19. OVERHEAD LINES TO BE UNDERGROUNDED.
20. PROTECT COMMUNICATION BOX AND ADJUST TO FINISHED GRADE AS NEEDED.
21. REMOVE EXISTING OUTLET STRUCTURE. MAX. 50 CY CUT AND FILL ALLOWED WITHIN THE WETLAND.
22. REMOVE UTILITY POLE. OVERHEAD LINES TO BE UNDERGROUNDED.
23. PROTECT EXISTING POWER VAULT AND ADJUST TO FINISHED GRADE AS NEEDED.
24. ADJUST EXISTING MANHOLE CONE SECTION TO FINISHED GRADE AS NEEDED.
25. IRRIGATION VALVE RELOCATION PENDING FOUNTAIN RELOCATION.
26. NOT USED.
27. REMOVE EXISTING CULVERT.
28. REMOVE GRAVEL.
29. DEMOLITION OF EXISTING IMPROVEMENTS ASSOCIATED WITH THE PARTITION. TO BE COMPLETED BY OTHERS.
30. SIGN AND WATER FEATURE TO BE RELOCATED, DESIGN BY OTHER.

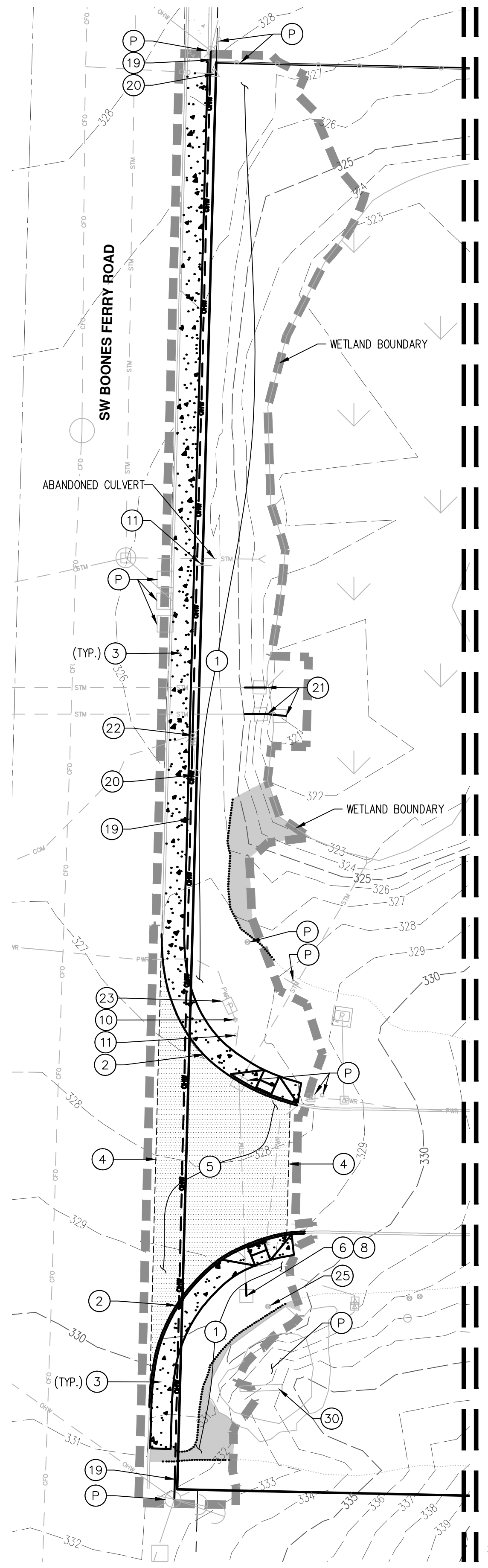
LEGEND

EXISTING GROUND CONTOUR (2 FT)		348
EXISTING GROUND CONTOUR (10 FT)		350
AC SAWCUT		
DISTURBED AREA BOUNDARY		
CONCRETE SIDEWALK TO REMAIN		
CONCRETE SIDEWALK TO BE REMOVED		
AC TO BE REMOVED		

NOTE: REFER TO TREE PRESERVATION AND REMOVAL PLAN, SHEETS P15 TO P16, FOR TREES THAT ARE BEING REMOVED OR PROTECTED.



MATCHLINE SEE SHEET P4



MATCHLINE SEE SHEET P4



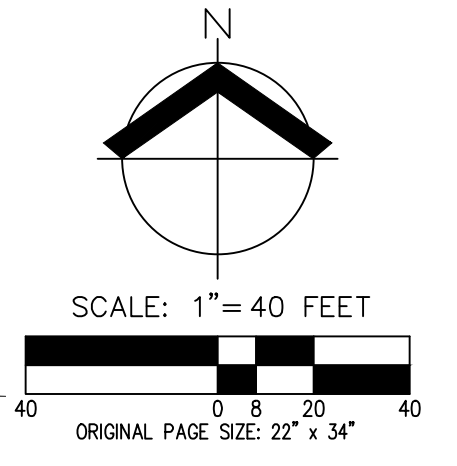
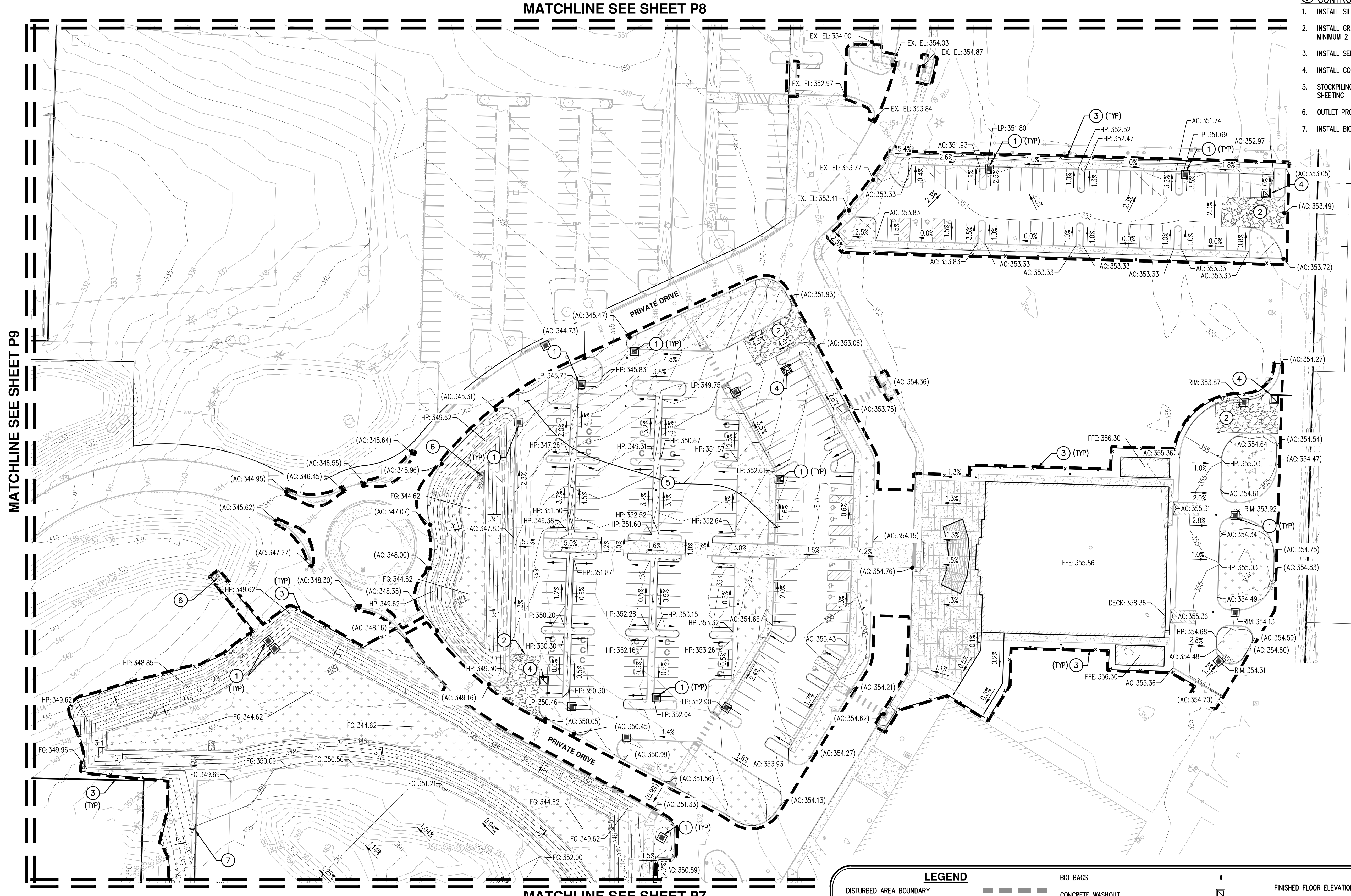
**PRELIMINARY GRADING & ESC PLAN -
 PARKING LOT
 HORIZON COMMUNITY CHURCH EXPANSION
 TUALATIN OREGON**

**PRELIMINARY
 NOT FOR
 CONSTRUCTION**

JOB NUMBER:	9349
DATE:	05/08/2024
DESIGNED BY:	CAK
DRAWN BY:	TBD
CHECKED BY:	CAK

KEYED EROSION AND SEDIMENT CONTROL NOTES:

1. INSTALL SILT SACK INLET PROTECTION
2. INSTALL GRAVEL CONSTRUCTION ENTRANCE. MINIMUM 2 PER AREA.
3. INSTALL SEDIMENT FENCE
4. INSTALL CONCRETE TRUCK WASHOUT
5. STOCKPILING AND STAGING AREA WITH PLASTIC SHEETING
6. OUTLET PROTECTION
7. INSTALL BIO BAGS



LEGEND			
DISTURBED AREA BOUNDARY	---	BIO BAGS	
TREE PROTECTION/CONSTRUCTION FENCE (SEE SHEET P15-P16 FOR DETAILS)	~	CONCRETE WASHOUT	■
TREE PROTECTION/CONSTRUCTION FENCE #2 (SEE SHEET P15-P16 FOR DETAILS)	—○—	INLET PROTECTION	□
SEDIMENT FENCE (SEE SHEET P15-P16 FOR DETAILS)	—x—	CONSTRUCTION ENTRANCE	▣
STRAW WATTLE	—x—	EXISTING CONTOUR (1 FOOT)	---
		EXISTING CONTOUR (5 FOOT)	---
		FINISHED GRADE CONTOUR (1 FOOT)	---
		FINISHED GRADE CONTOUR (5 FOOT)	---
		FINISHED FLOOR ELEVATION	FFE: XXX.XX
		FINISHED GRADE	FG: XXX.XX
		AC PAVEMENT ELEVATION	AC: XXX.XX
		SIDEWALK ELEVATION	SW: XXX.XX
		TOP OF WALL ELEVATION	TW: XXX.XX
		HIGH POINT ELEVATION	HP: XXX.XX
		LOW POINT ELEVATION	LP: XXX.XX
		EXISTING AC ELEVATION	(AC: XXX.XX)
		EXISTING SIDEWALK ELEVATION	(SW: XXX.XX)
		EXISTING GUTTER ELEVATION	(GUT: XXX.XX)

MATCHLINE SEE SHEET P9

MATCHLINE SEE SHEET P8

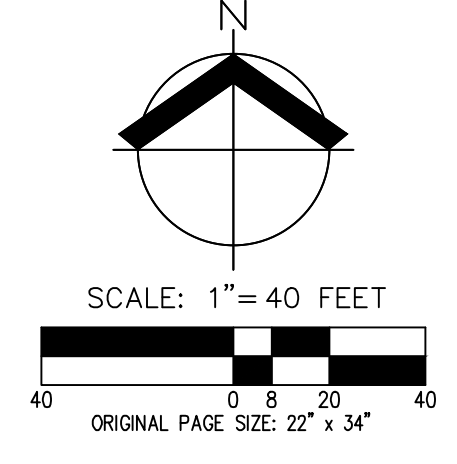
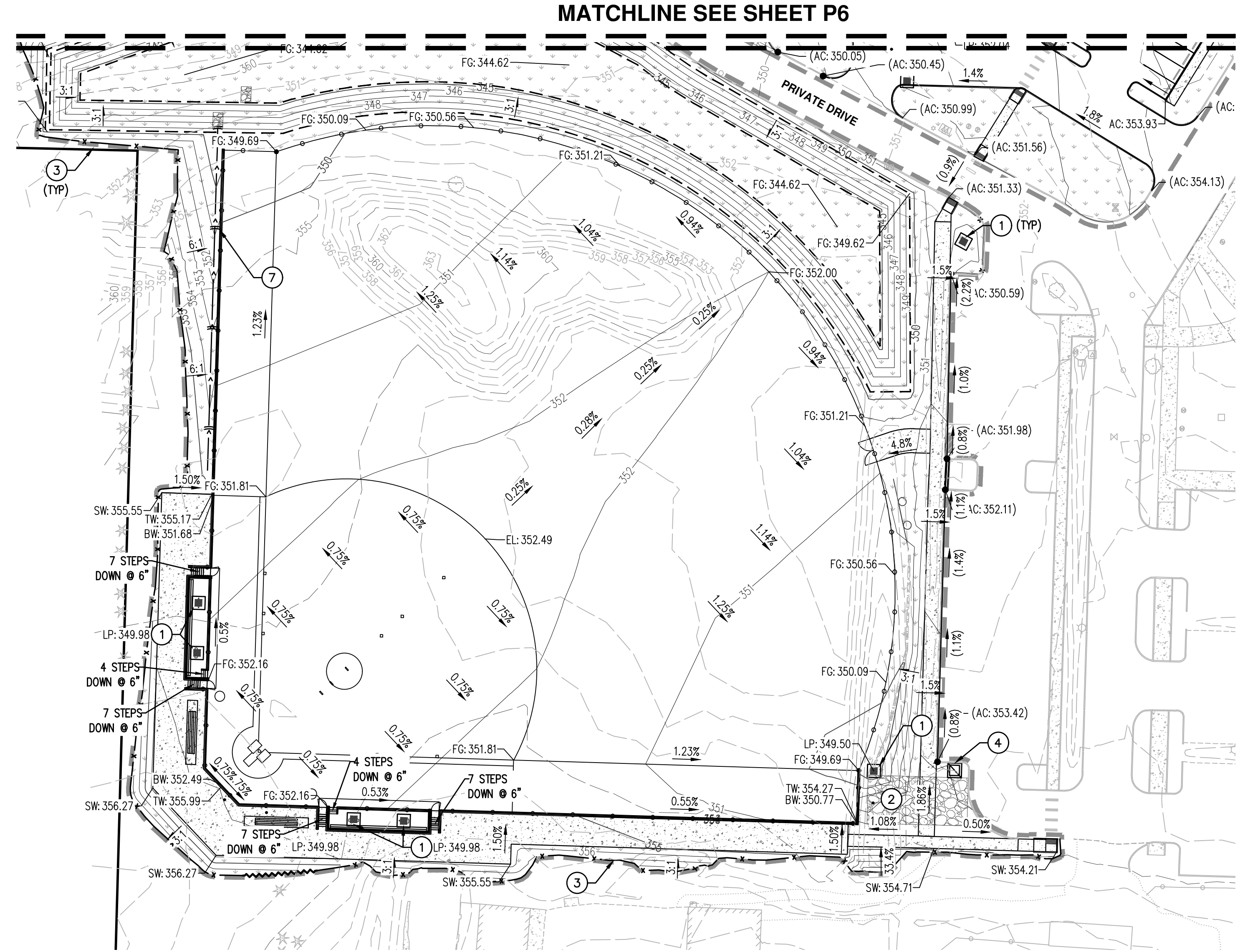
MATCHLINE SEE SHEET P7



**PRELIMINARY GRADING & ESC PLAN -
 BASEBALL FIELD
 HORIZON COMMUNITY CHURCH EXPANSION
 TUALATIN OREGON**

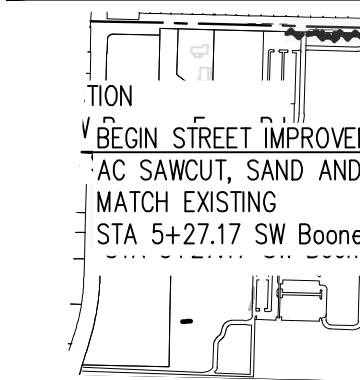
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JOB NUMBER:	9349
DATE:	05/08/2024
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DRAWN BY:	TBD
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- KEYED EROSION AND SEDIMENT CONTROL NOTES:**
1. INSTALL SILT SACK INLET PROTECTION
 2. INSTALL GRAVEL CONSTRUCTION ENTRANCE. MINIMUM 2 PER AREA.
 3. INSTALL SEDIMENT FENCE
 4. INSTALL CONCRETE TRUCK WASHOUT
 5. STOCKPILING AND STAGING AREA WITH PLASTIC SHEETING
 6. OUTLET PROTECTION
 7. INSTALL BIO BAGS

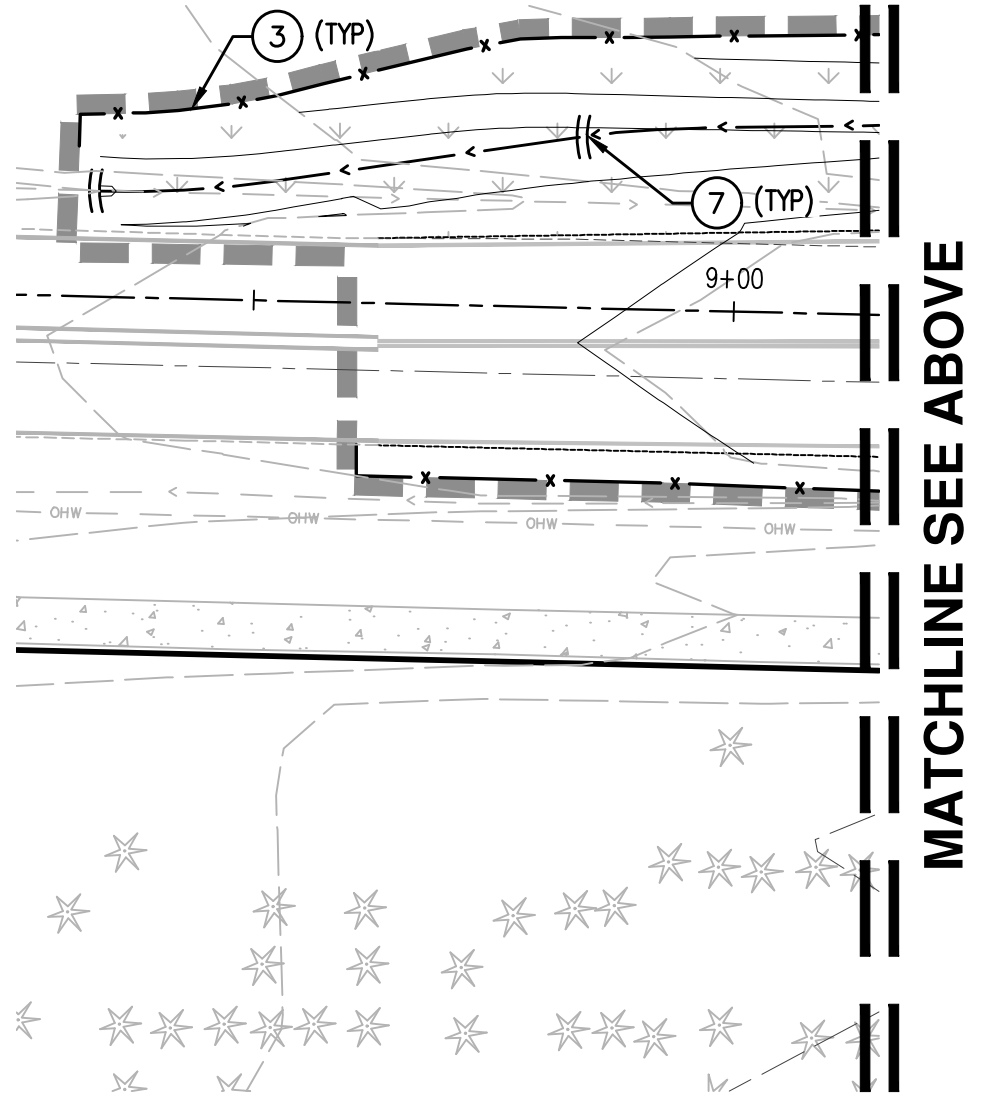
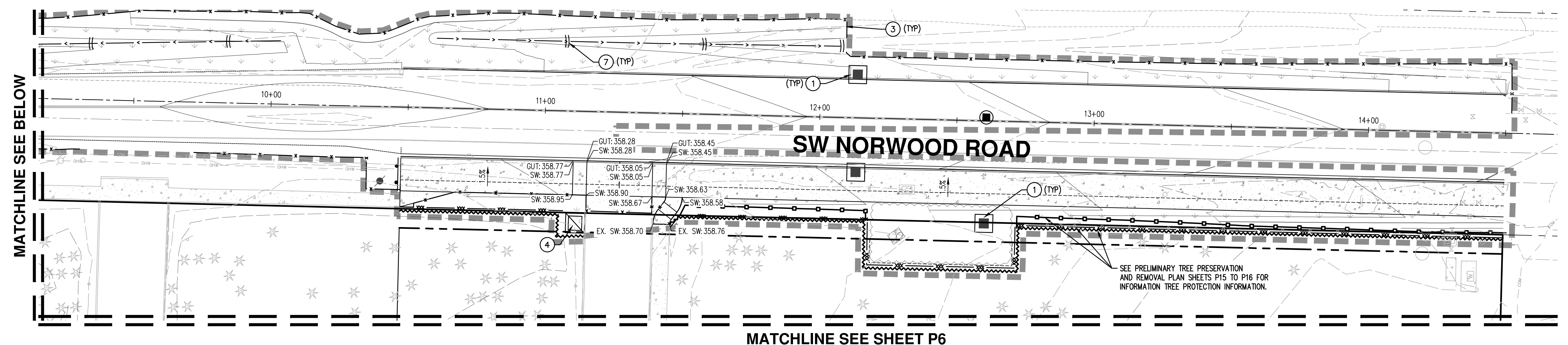
LEGEND	
DISTURBED AREA BOUNDARY	
TREE PROTECTION/CONSTRUCTION FENCE (SEE SHEET P15-P16 FOR DETAILS)	
TREE PROTECTION/CONSTRUCTION FENCE #2 (SEE SHEET P15-P16 FOR DETAILS)	
SEDIMENT FENCE (SEE SHEET P15-P16 FOR DETAILS)	
STRAW WATTLE	
BIO BAGS	
CONCRETE WASHOUT	
INLET PROTECTION	
CONSTRUCTION ENTRANCE	
EXISTING CONTOUR (1 FOOT)	
EXISTING CONTOUR (5 FOOT)	
FINISHED GRADE CONTOUR (1 FOOT)	
FINISHED GRADE CONTOUR (5 FOOT)	
FINISHED FLOOR ELEVATION	FFE: XXX.XX
FINISHED GRADE	FG: XXX.XX
AC PAVEMENT ELEVATION	AC: XXX.XX
SIDEWALK ELEVATION	SW: XXX.XX
TOP OF WALL ELEVATION	TW: XXX.XX
HIGH POINT ELEVATION	HP: XXX.XX
LOW POINT ELEVATION	LP: XXX.XX
EXISTING AC ELEVATION	(AC: XXX.XX)
EXISTING SIDEWALK ELEVATION	(SW: XXX.XX)
EXISTING GUTTER ELEVATION	(GUT: XXX.XX)



PRELIMINARY GRADING & ESC PLAN - SW NORWOOD RD
HORIZON COMMUNITY CHURCH EXPANSION
TUALATIN OREGON

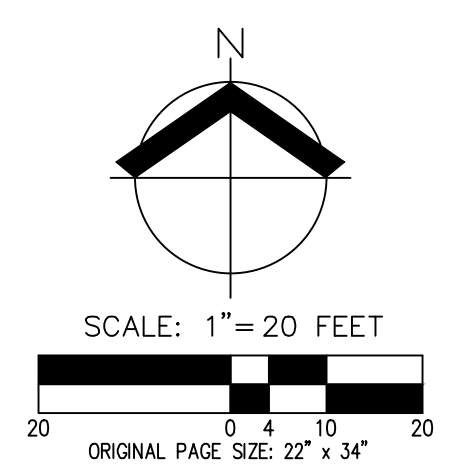
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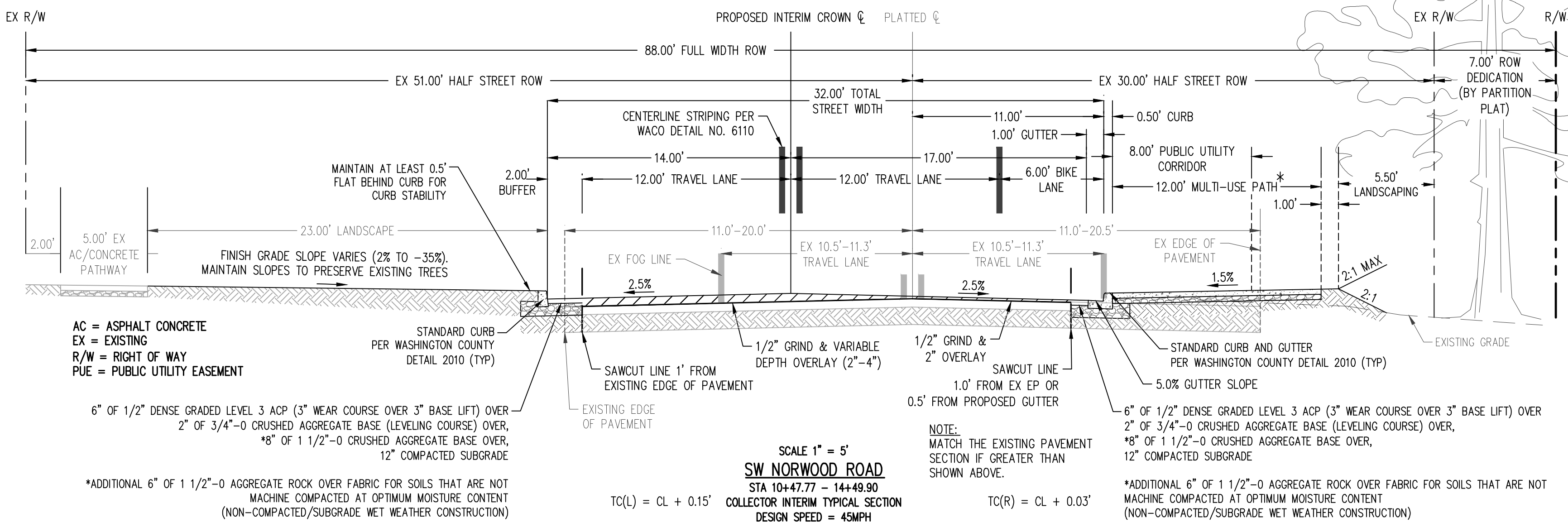
MATCHLINE SEE SHEET P6

SEE PRELIMINARY TREE PRESERVATION AND REMOVAL PLAN SHEETS P15 TO P16 FOR INFORMATION TREE PROTECTION INFORMATION.



- KEYED EROSION AND SEDIMENT CONTROL NOTES:**
1. INSTALL SILT SACK INLET PROTECTION
 2. INSTALL GRAVEL CONSTRUCTION ENTRANCE. MINIMUM 2 PER AREA.
 3. INSTALL SEDIMENT FENCE
 4. INSTALL CONCRETE TRUCK WASHOUT
 5. STOCKPILING AND STAGING AREA WITH PLASTIC SHEETING
 6. OUTLET PROTECTION
 7. INSTALL BIO BAGS
- *NOTE: CONSTRUCT MULTI-USE PATH PER PER WASHINGTON COUNTY DETAIL 2150

LEGEND	
DISTURBED AREA BOUNDARY	-----
TREE PROTECTION/CONSTRUCTION FENCE (SEE SHEET P15-P16 FOR DETAILS)	~~~~~
TREE PROTECTION/CONSTRUCTION FENCE #2 (SEE SHEET P15-P16 FOR DETAILS)	---o---
SEDIMENT FENCE (SEE SHEET P15-P16 FOR DETAILS)	-x-
BIO BAGS	xxx
STRAW WATTLE - DRAINAGE DITCH	
CONCRETE WASHOUT	▣
INLET PROTECTION	■
CONSTRUCTION ENTRANCE	▣
EXISTING CONTOUR (1 FOOT)	- - - 168
EXISTING CONTOUR (5 FOOT)	- - - 170
FINISHED GRADE CONTOUR (1 FOOT)	— 168
FINISHED GRADE CONTOUR (5 FOOT)	— 170
FINISHED FLOOR ELEVATION	FFE: XXX.XX
FINISHED GRADE	FG: XXX.XX
AC PAVEMENT ELEVATION	AC: XXX.XX
SIDEWALK ELEVATION	SW: XXX.XX
TOP OF WALL ELEVATION	TW: XXX.XX
HIGH POINT ELEVATION	HP: XXX.XX
LOW POINT ELEVATION	LP: XXX.XX
EXISTING AC ELEVATION	(AC: XXX.XX)
EXISTING SIDEWALK ELEVATION	(SW: XXX.XX)
EXISTING GUTTER ELEVATION	(GUT: XXX.XX)



AC = ASPHALT CONCRETE
 EX = EXISTING
 R/W = RIGHT OF WAY
 PUE = PUBLIC UTILITY EASEMENT

6" OF 1/2" DENSE GRADED LEVEL 3 ACP (3" WEAR COURSE OVER 3" BASE LIFT) OVER 2" OF 3/4"-0 CRUSHED AGGREGATE BASE (LEVELING COURSE) OVER, *8" OF 1 1/2"-0 CRUSHED AGGREGATE BASE OVER, 12" COMPACTED SUBGRADE

*ADDITIONAL 6" OF 1 1/2"-0 AGGREGATE ROCK OVER FABRIC FOR SOILS THAT ARE NOT MACHINE COMPACTED AT OPTIMUM MOISTURE CONTENT (NON-COMPACTED/SUBGRADE WET WEATHER CONSTRUCTION)

SCALE 1" = 5'

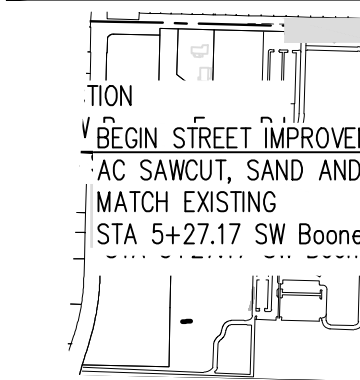
SW NORWOOD ROAD
 STA 10+47.77 - 14+49.90
 COLLECTOR INTERIM TYPICAL SECTION
 DESIGN SPEED = 45MPH

NOTE: MATCH THE EXISTING PAVEMENT SECTION IF GREATER THAN SHOWN ABOVE.

TC(L) = CL + 0.15'
 TC(R) = CL + 0.03'

6" OF 1/2" DENSE GRADED LEVEL 3 ACP (3" WEAR COURSE OVER 3" BASE LIFT) OVER 2" OF 3/4"-0 CRUSHED AGGREGATE BASE (LEVELING COURSE) OVER, *8" OF 1 1/2"-0 CRUSHED AGGREGATE BASE OVER, 12" COMPACTED SUBGRADE

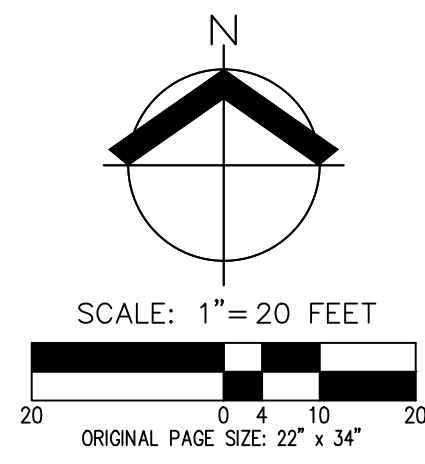
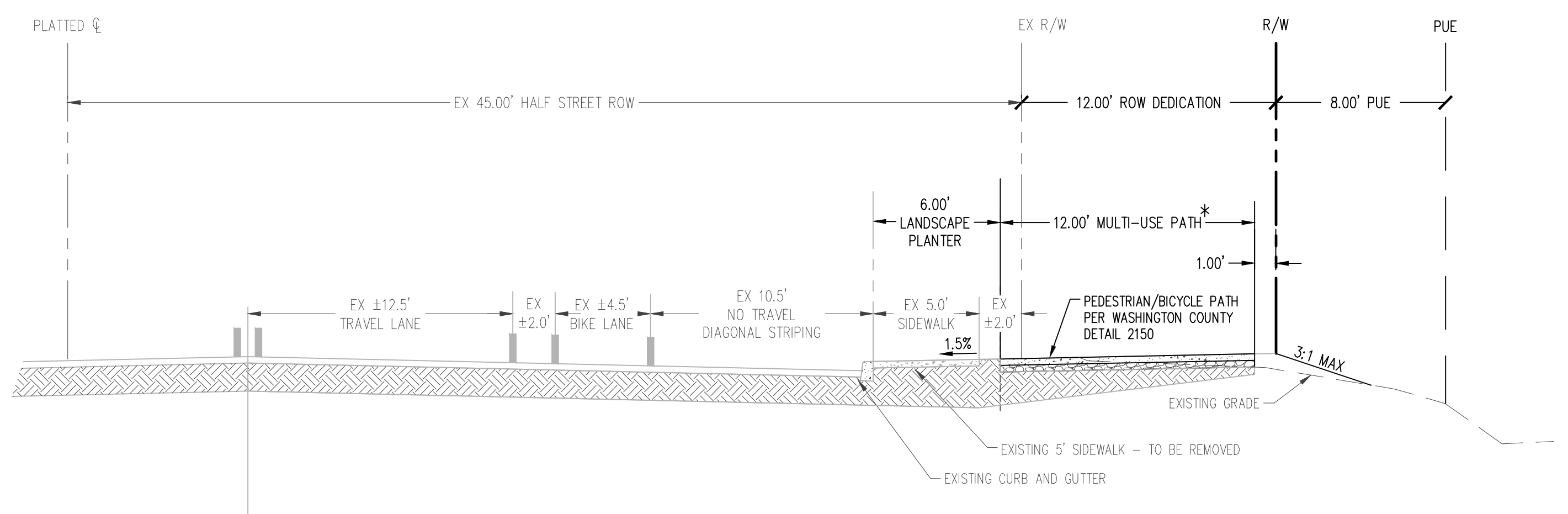
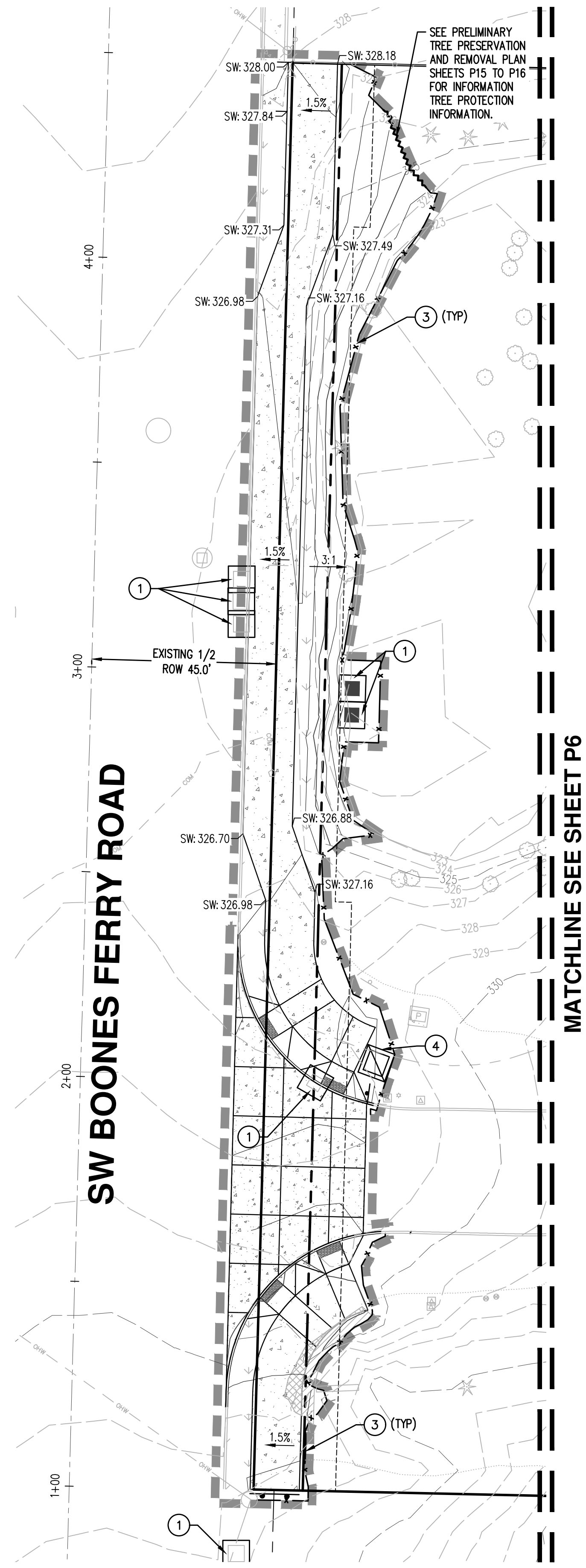
*ADDITIONAL 6" OF 1 1/2"-0 AGGREGATE ROCK OVER FABRIC FOR SOILS THAT ARE NOT MACHINE COMPACTED AT OPTIMUM MOISTURE CONTENT (NON-COMPACTED/SUBGRADE WET WEATHER CONSTRUCTION)



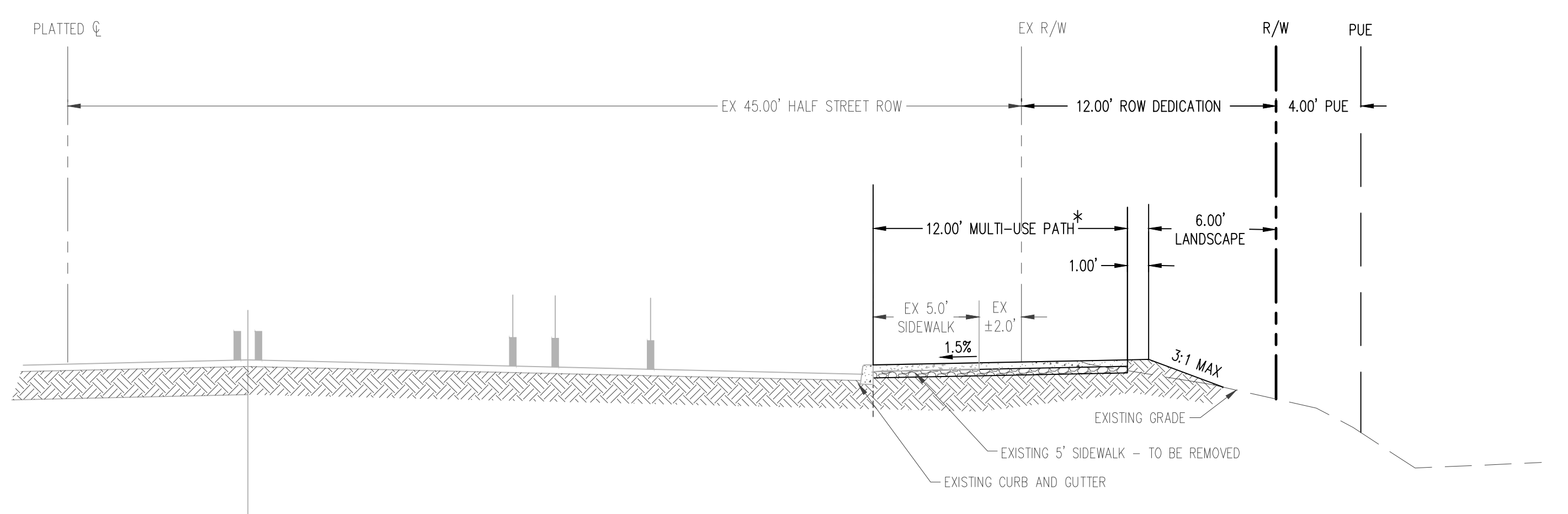
**PRELIMINARY GRADING & ESC PLAN -
 SW BOONES FERRY ROAD
 HORIZON COMMUNITY CHURCH EXPANSION
 TUALATIN OREGON**

**PRELIMINARY
 NOT FOR
 CONSTRUCTION**

JOB NUMBER:	9349
DATE:	05/08/2024
DESIGNED BY:	CAK
DRAWN BY:	TBD
CHECKED BY:	CAK



- KEYED EROSION AND SEDIMENT CONTROL NOTES:**
1. INSTALL SILT SACK INLET PROTECTION
 2. INSTALL GRAVEL CONSTRUCTION ENTRANCE. MINIMUM 2 PER AREA.
 3. INSTALL SEDIMENT FENCE
 4. INSTALL CONCRETE TRUCK WASHOUT
 5. STOCKPILING AND STAGING AREA WITH PLASTIC SHEETING
 6. OUTLET PROTECTION
 7. INSTALL BIO BAGS
- *NOTE: CONSTRUCT MULTI-USE PATH PER PER WASHINGTON COUNTY DETAIL 2150



LEGEND	
DISTURBED AREA BOUNDARY	---
TREE PROTECTION/CONSTRUCTION FENCE (SEE SHEET P15-P16 FOR DETAILS)	~
TREE PROTECTION/CONSTRUCTION FENCE #2 (SEE SHEET P15-P16 FOR DETAILS)	o
SEDIMENT FENCE (SEE SHEET P15-P16 FOR DETAILS)	x
BIO BAGS	xxx
STRAW WATTLE - DRAINAGE DITCH))
CONCRETE WASHOUT	□
INLET PROTECTION	■
CONSTRUCTION ENTRANCE	□
EXISTING CONTOUR (1 FOOT)	- - - 168
EXISTING CONTOUR (5 FOOT)	- - - 170
FINISHED GRADE CONTOUR (1 FOOT)	— 168
FINISHED GRADE CONTOUR (5 FOOT)	— 170
FINISHED FLOOR ELEVATION	FFE: XXX.XX
FINISHED GRADE	FG: XXX.XX
AC PAVEMENT ELEVATION	AC: XXX.XX
SIDEWALK ELEVATION	SW: XXX.XX
TOP OF WALL ELEVATION	TW: XXX.XX
HIGH POINT ELEVATION	HP: XXX.XX
LOW POINT ELEVATION	LP: XXX.XX
EXISTING AC ELEVATION	(AC: XXX.XX)
EXISTING SIDEWALK ELEVATION	(SW: XXX.XX)
EXISTING GUTTER ELEVATION	(GUT: XXX.XX)



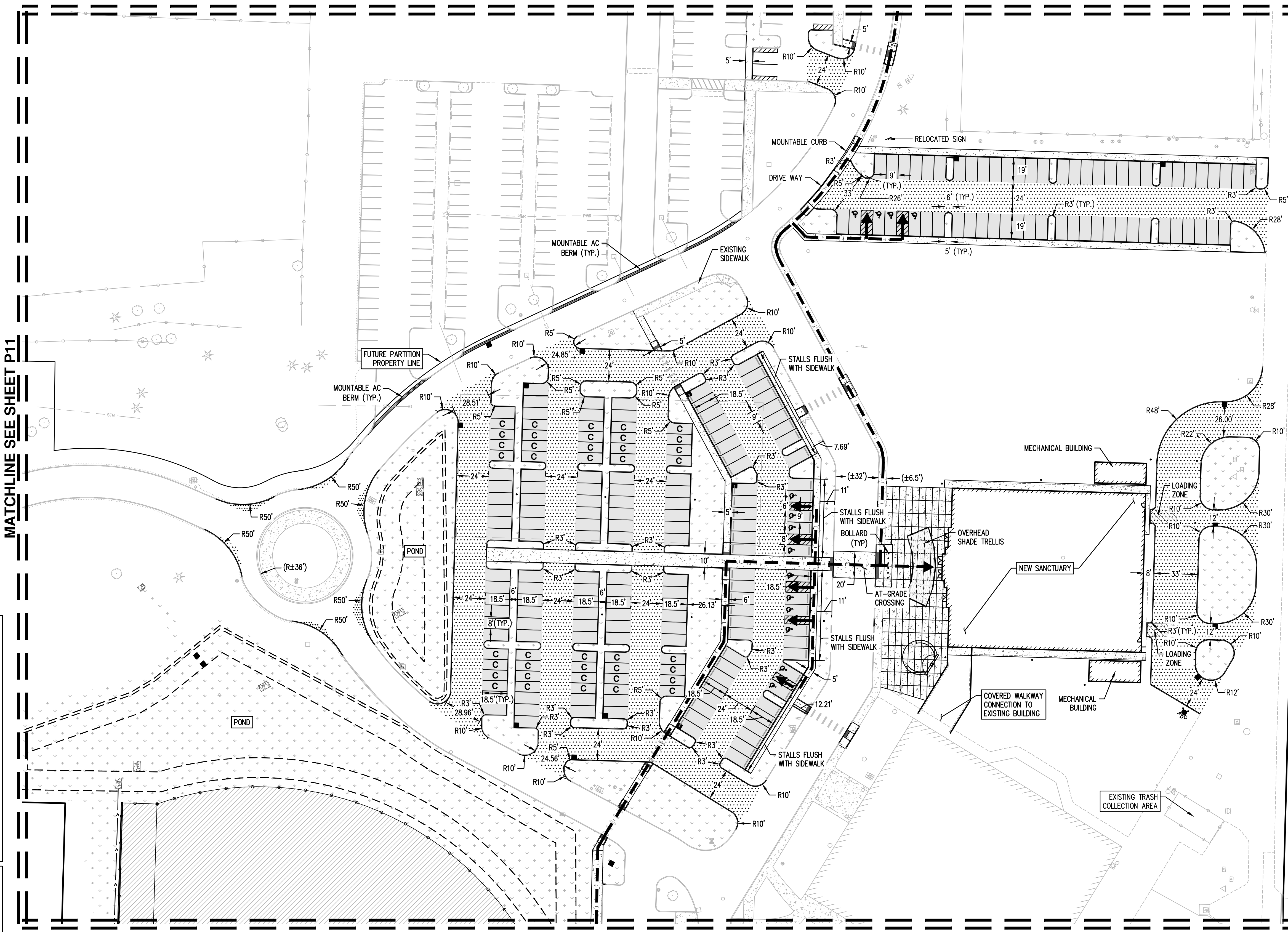
PRELIMINARY SITE PLAN - PARKING LOT
HORIZON COMMUNITY CHURCH EXPANSION
TUALATIN OREGON

**PRELIMINARY
 NOT FOR
 CONSTRUCTION**

JOB NUMBER:	9349
DATE:	05/08/2024
DESIGNED BY:	CAK
DRAWN BY:	TBD
CHECKED BY:	CAK

MATCHLINE SEE SHEET P11

MATCHLINE SEE SHEET P11



NOTE:
 FOR LIGHTING, SEE PHOTOMETRIC PLAN BY
 OTHERS.

LEGEND

- NEW LANDSCAPING
- NEW CONCRETE
- NEW HEAVY DUTY AC PAVEMENT (CAR TRAFFIC)
- NEW LIGHT DUTY AC PAVEMENT (CAR PARKING)
- NEW ARTIFICIAL TURF - OUTFIELD
- ACCESSIBLE ROUTE

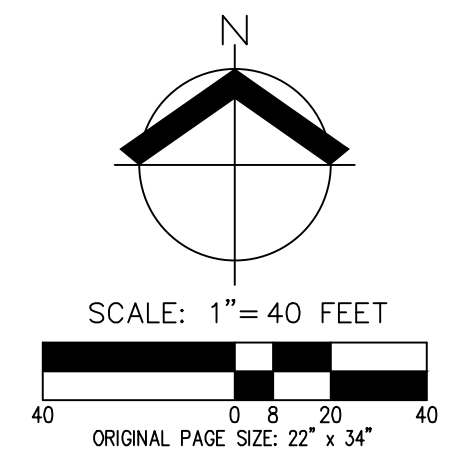
PARKING SUMMARY

EXISTING STANDARD SPACES PRE-PARTITION:	424
EXISTING ACCESSIBLE SPACES PRE-PARTITION:	28
TOTAL EXISTING PARKING SPACES PRE-PARTITION:	452
STANDARD SPACES REMOVED BY PARTITION:	211
ACCESSIBLE SPACES REMOVED BY PARTITION:	0
TOTAL REMOVED PARKING SPACES REMOVED BY PARTITION:	211
STANDARD SPACES REMOVED BY PROJECT:	7
ACCESSIBLE SPACES REMOVED BY PROJECT:	0
TOTAL REMOVED PARKING SPACES REMOVED BY PROJECT:	7
NEW STANDARD SPACES:	180
NEW COMPACT SPACES:	40
NEW ACCESSIBLE SPACES:	14
TOTAL NEW PARKING SPACES:	234
TOTAL PROVIDED STANDARD SPACES:	386
TOTAL PROVIDED COMPACT SPACES:	40
TOTAL PROVIDED ACCESSIBLE SPACES:	42
TOTAL PROVIDED PARKING SPACES:	468
TOTAL REQUIRED ACCESSIBLE SPACES:	9 (2 VAN)
MINIMUM REQUIRED SPACES:	280

AREA SUMMARY

SUBJECT PROPERTY AREA	= ±29.4 ACRES
TOTAL DISTURBED AREA	= ±8.3 ACRES
EXISTING IMPERVIOUS AREA	= ±445,340 SF
EXISTING IMP. AREA REMOVED	= ±1,820 SF
NEW IMPERVIOUS AREA	= ±252,730 SF
TOTAL IMPERVIOUS AREA	= ±696,250 SF
PARKING LOT LANDSCAPING AREA	= ±30,700 SF

NOTE: SUMMARY AREAS DO NOT INCLUDE AREAS WITHIN THE PUBLIC ROW.

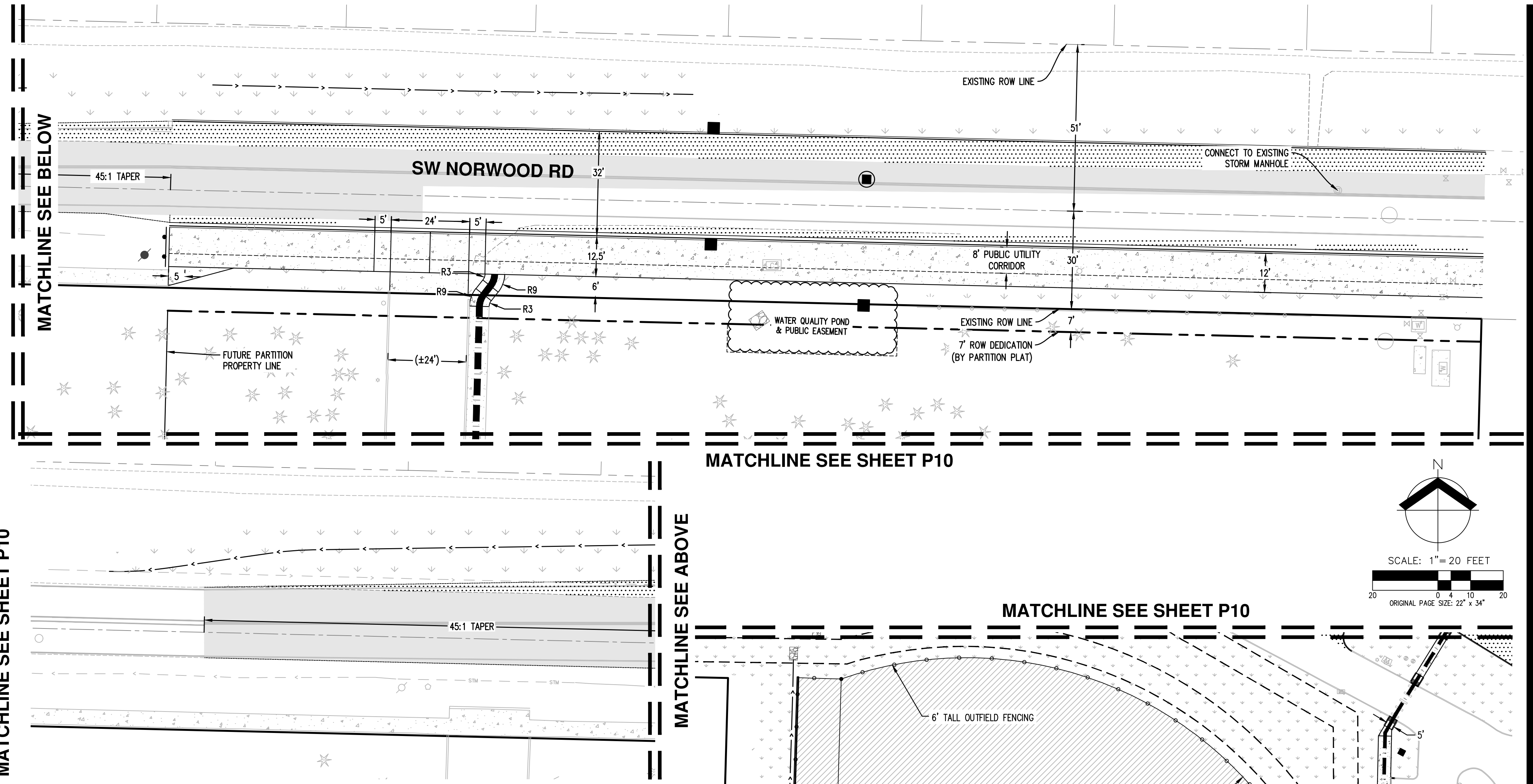
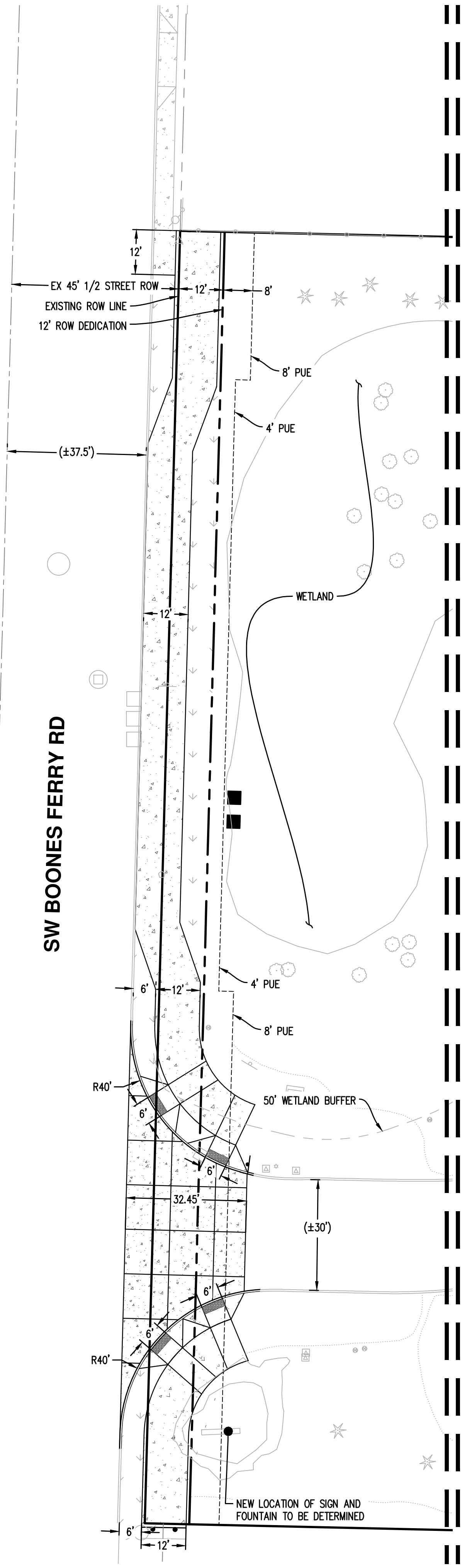




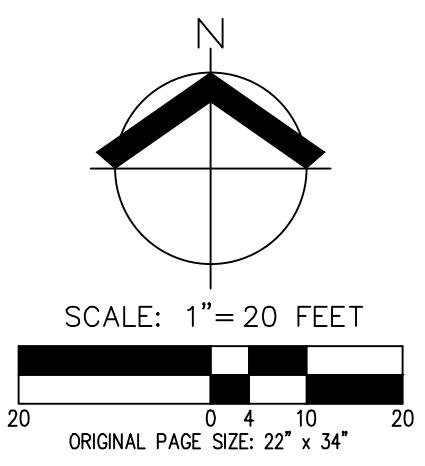
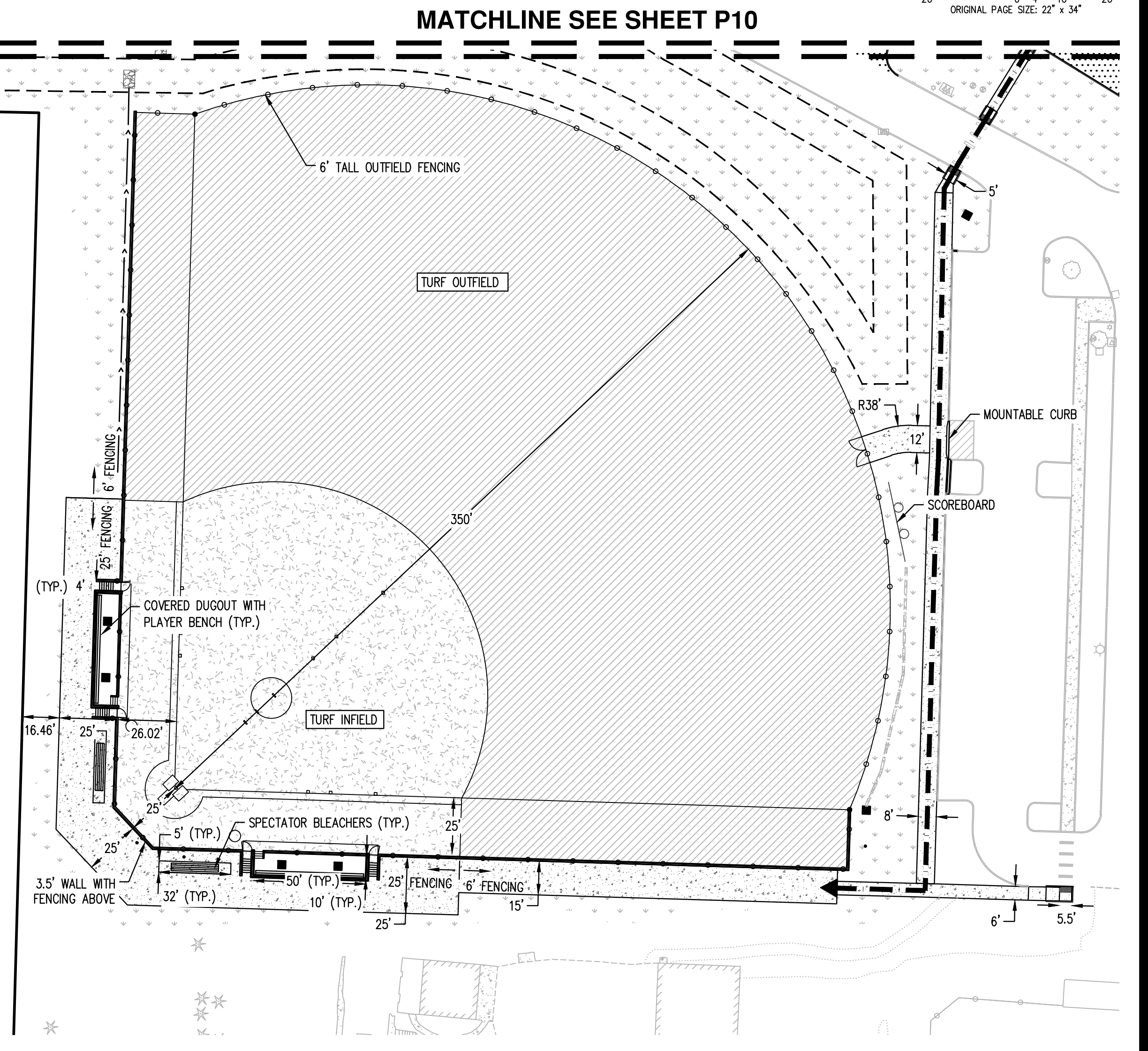
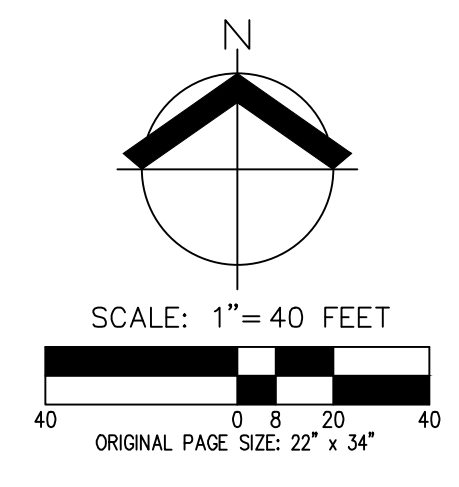
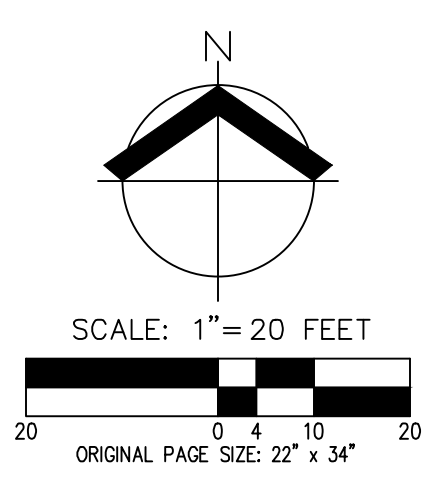
PRELIMINARY SITE PLAN - AUXILIARY SITES
HORIZON COMMUNITY CHURCH EXPANSION
TUALATIN OREGON

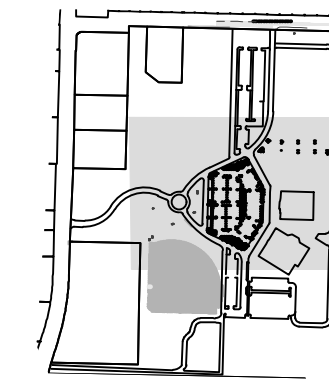
**PRELIMINARY
 NOT FOR
 CONSTRUCTION**

JOB NUMBER:	9349
DATE:	05/08/2024
DESIGNED BY:	CAK
DRAWN BY:	TBD
CHECKED BY:	CAK



LEGEND	
	NEW LANDSCAPING
	NEW CONCRETE
	GRIND AND OVERLAY
	NEW AC PAVEMENT
	NEW ARTIFICIAL TURF - INFIELD
	NEW ARTIFICIAL TURF - OUTFIELD
	NEW PUBLIC UTILITY EASEMENT (PUE)
	PROPERTY BOUNDARY
	ROW DEDICATED



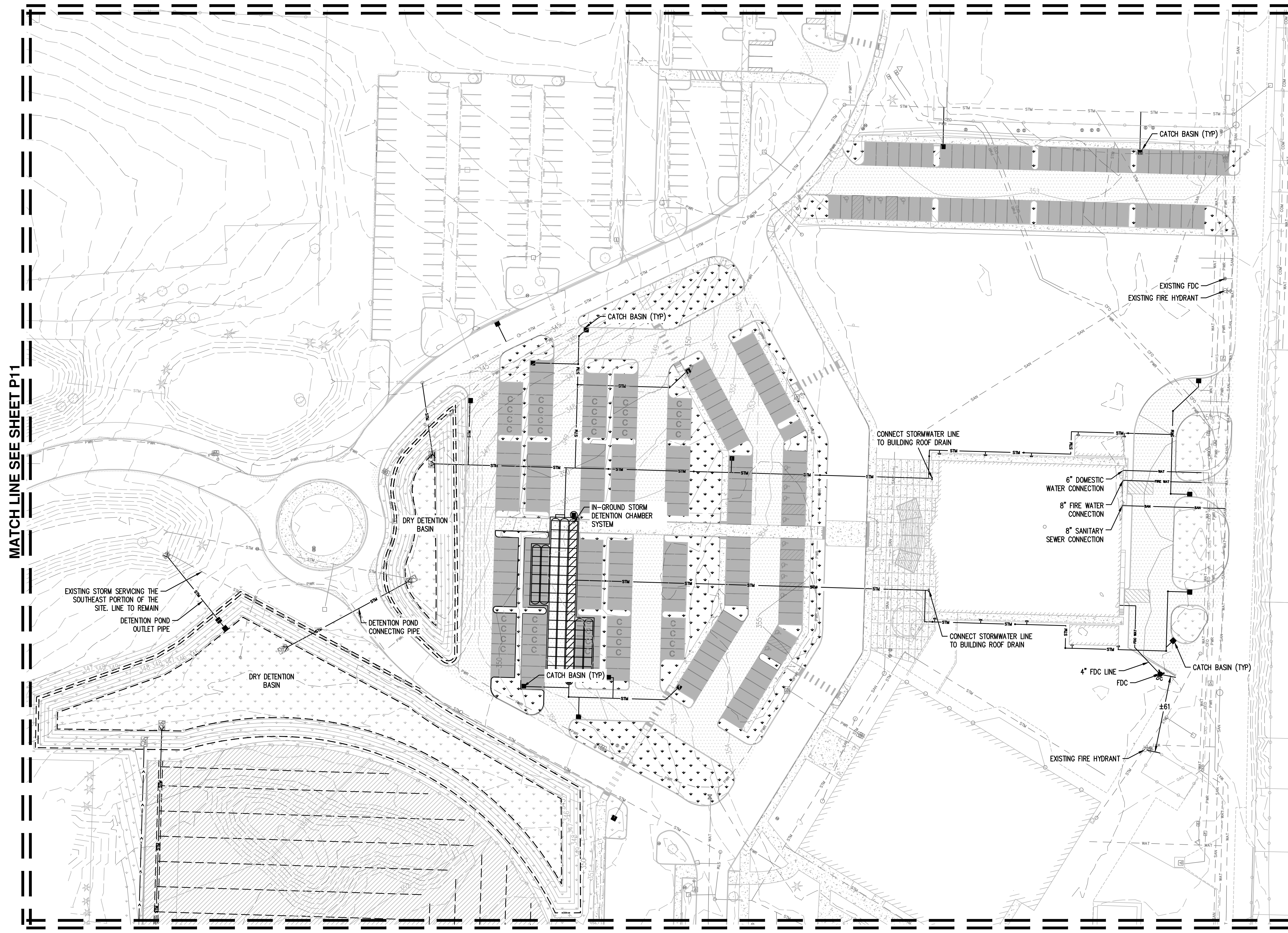


PRELIMINARY COMPOSITE UTILITY PLAN - PARKING LOT
HORIZON COMMUNITY CHURCH EXPANSION
TUALATIN OREGON

**PRELIMINARY
 NOT FOR
 CONSTRUCTION**

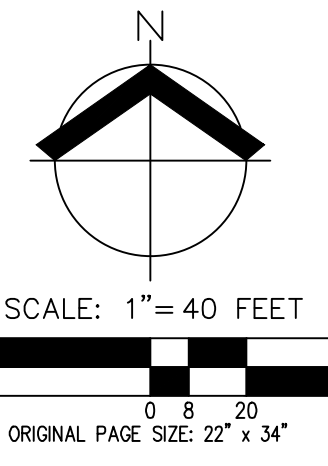
JOB NUMBER:	9349
DATE:	05/08/2024
DESIGNED BY:	CAK
DRAWN BY:	TBD
CHECKED BY:	CAK

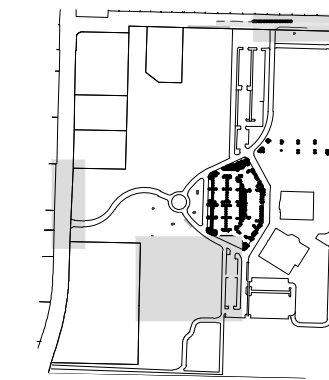
MATCH LINE SEE SHEET P11



MATCH LINE SEE SHEET P11

MATCH LINE SEE SHEET P11



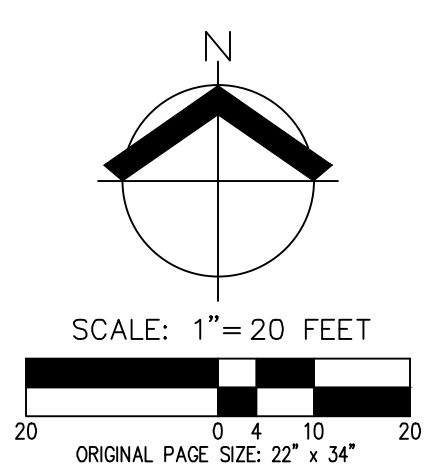
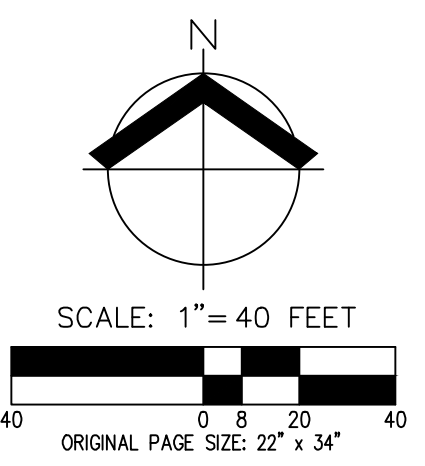
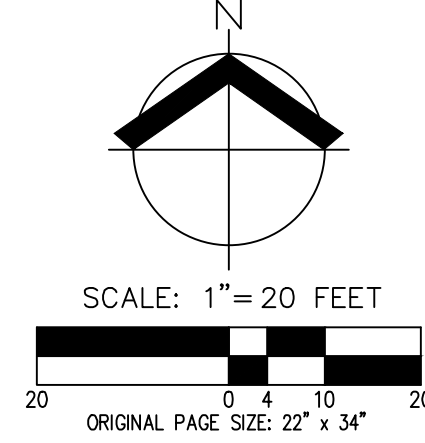
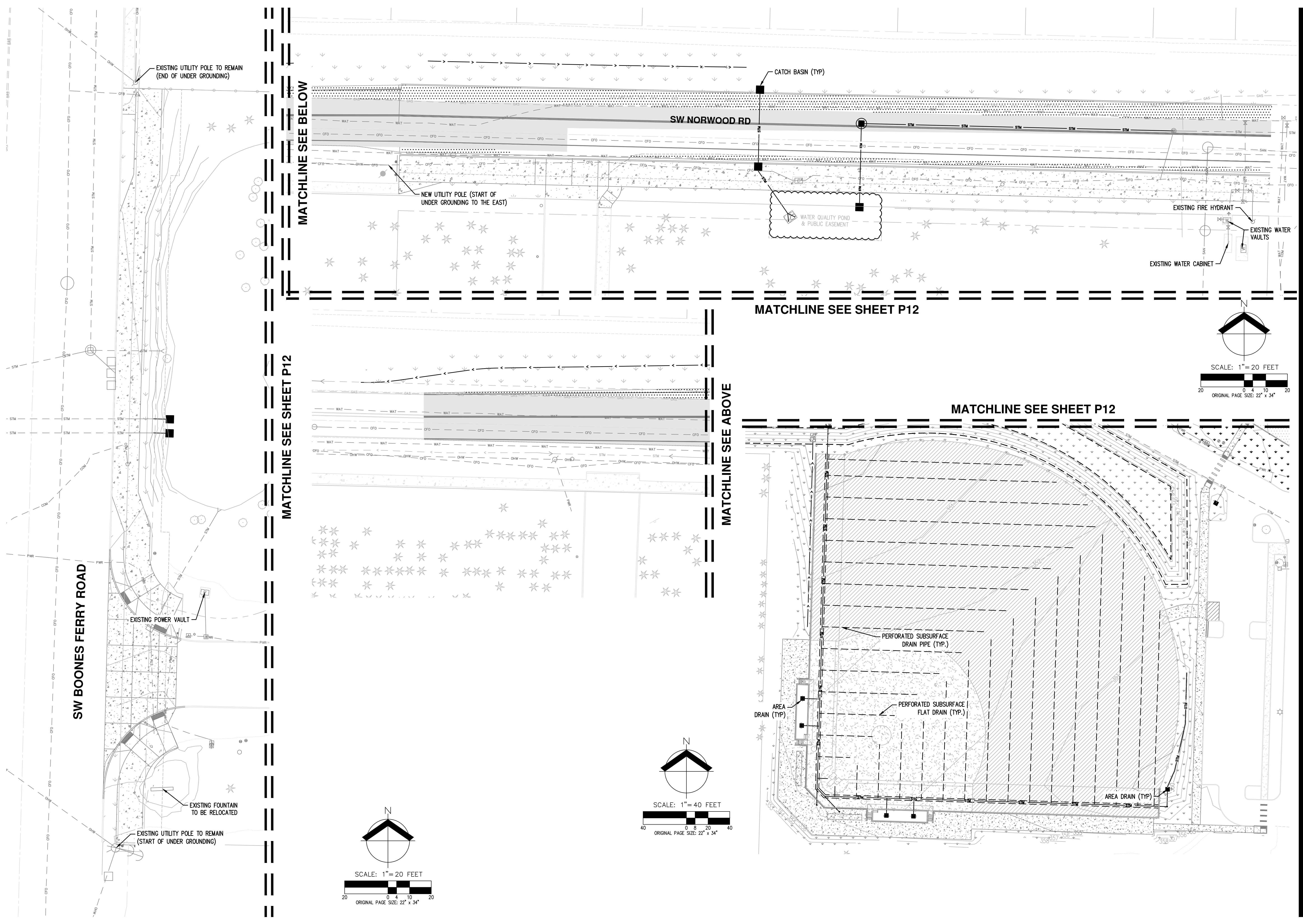


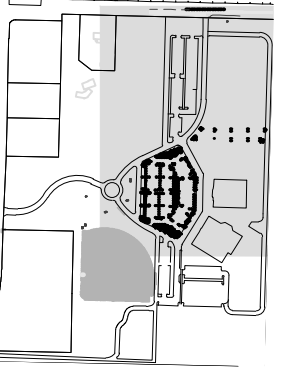
PRELIMINARY COMPOSITE UTILITY PLAN - AUXILIARY SITES

**HORIZON COMMUNITY CHURCH EXPANSION
 TUALATIN OREGON**

**PRELIMINARY
 NOT FOR
 CONSTRUCTION**

JOB NUMBER:	9349
DATE:	05/08/2024
DESIGNED BY:	CAK
DRAWN BY:	TBD
CHECKED BY:	CAK





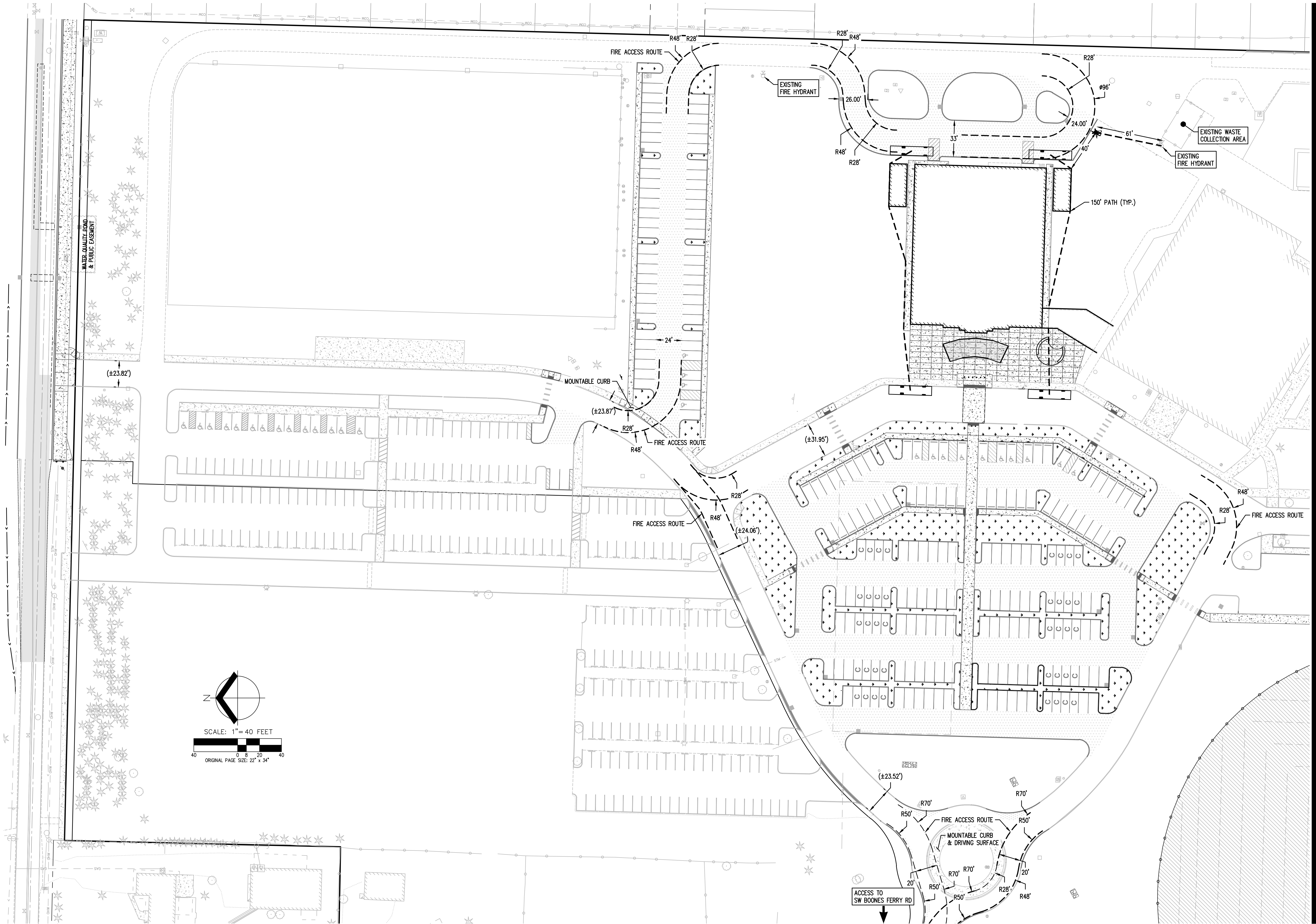
PRELIMINARY GARBAGE AND FIRE ACCESS PLAN

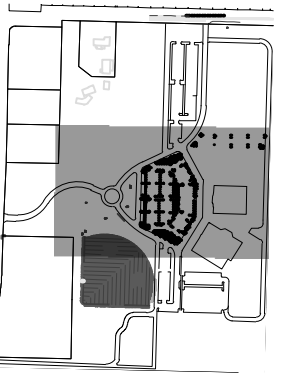
HORIZON COMMUNITY CHURCH EXPANSION

TUALATIN OREGON

**PRELIMINARY
NOT FOR
CONSTRUCTION**

JOB NUMBER:	9349
DATE:	05/08/2024
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CHECKED BY:	CAK



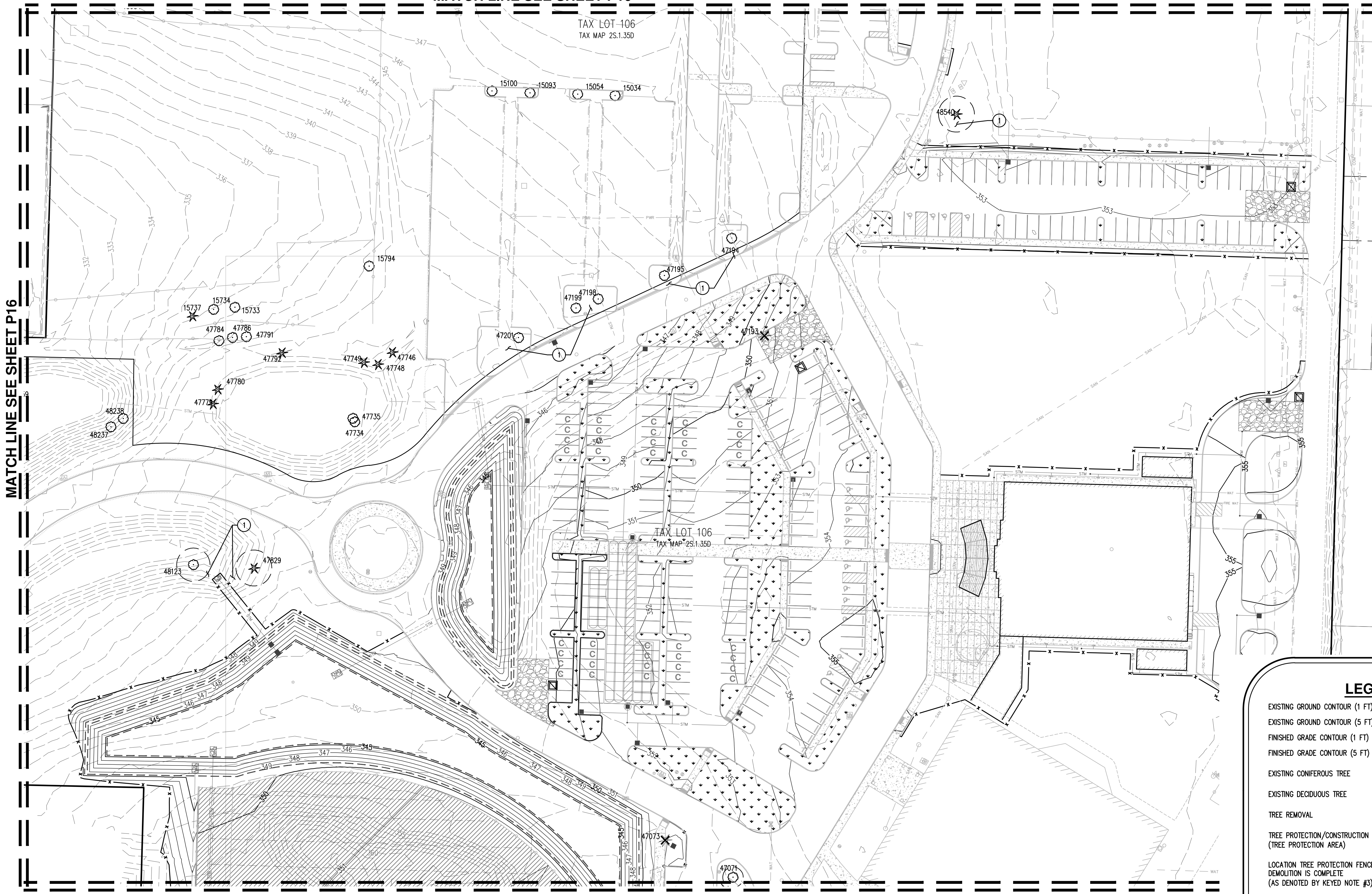


**PRELIMINARY TREE PRESERVATION AND
 REMOVAL PLAN
 HORIZON COMMUNITY CHURCH EXPANSION
 TUALATIN OREGON**

**PRELIMINARY
 NOT FOR
 CONSTRUCTION**

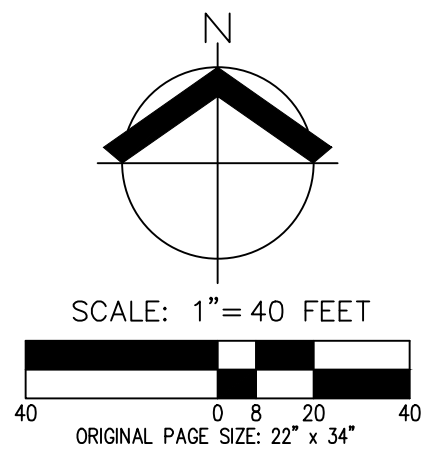
JOB NUMBER: 9349
 DATE: 05/08/2024
 DESIGNED BY: CAK
 DRAWN BY: TBD
 CHECKED BY: CAK

MATCH LINE SEE SHEET P16



TAX LOT 106
 TAX MAP 2S.1.35D

TAX LOT 106
 TAX MAP 2S.1.35D



LEGEND

EXISTING GROUND CONTOUR (1 FT)	- - - - - 149
EXISTING GROUND CONTOUR (5 FT)	- - - - - 150
FINISHED GRADE CONTOUR (1 FT)	— — — — — 149
FINISHED GRADE CONTOUR (5 FT)	— — — — — 150
EXISTING CONIFEROUS TREE	★
EXISTING DECIDUOUS TREE	○
TREE REMOVAL	✕ ✕
TREE PROTECTION/CONSTRUCTION FENCE (TREE PROTECTION AREA)	~ ~ ~ ~ ~
LOCATION TREE PROTECTION FENCE AFTER DEMOLITION IS COMPLETE (AS DENOTED BY KEYED NOTE #3)	— ○ — ○ —
ORANGE SEDIMENT FENCE (ALSO SERVES AS TREE PROTECTION FENCE WHERE SHOWN)	- x - x -
STRAW WATTLE (TO BE USED IN LIEU OF SEDIMENT FENCE WITHIN ROOT ZONES OF TREES TO BE PRESERVED)	- x x - x x -
ASSUMED TREE ROOT ZONE (1-FT RADIUS PER 1-IN OF DBH)	○

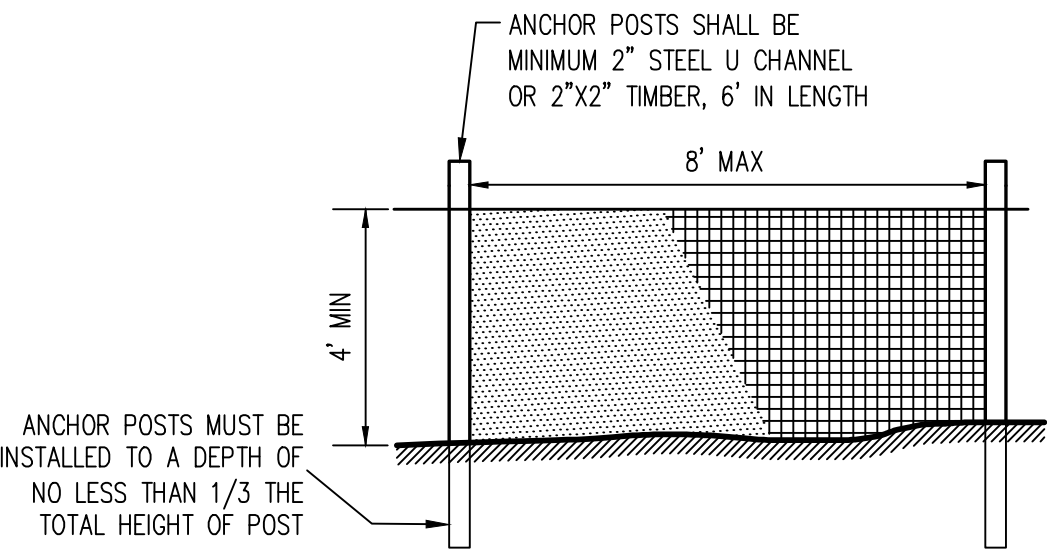
MATCH LINE SEE SHEET P16

TREE PROTECTION KEYED NOTES:

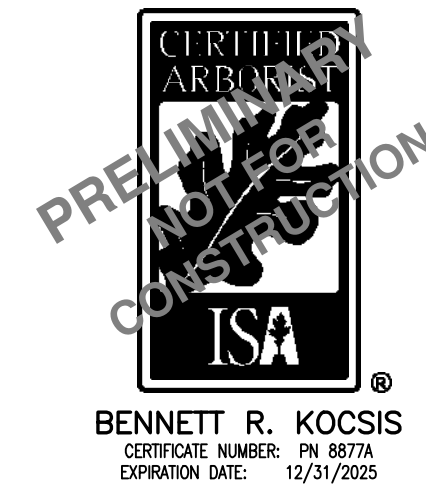
- ① CONSTRUCTION ACTIVITIES, EQUIPMENT STAGING, MATERIAL STORAGE, GROUND DISTURBANCE ETC. IS NOT ANTICIPATED IN THIS AREA. IF THESE ACTIVITIES ARE NECESSARY, THEN TREE PROTECTION MEASURES MAY BE REQUIRED. COORDINATE WITH THE PROJECT ARBORIST.

NOTES:

- 1. BLAZE ORANGE PLASTIC MESH FENCE FOR TREE PROTECTION DEVICE OR APPROVED EQUAL.
- 2. AVOID DAMAGE TO TREE ROOT ZONE. DO NOT DAMAGE OR SEVER LARGE ROOTS WHEN INSTALLING POSTS.
- 3. DEVICE SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.

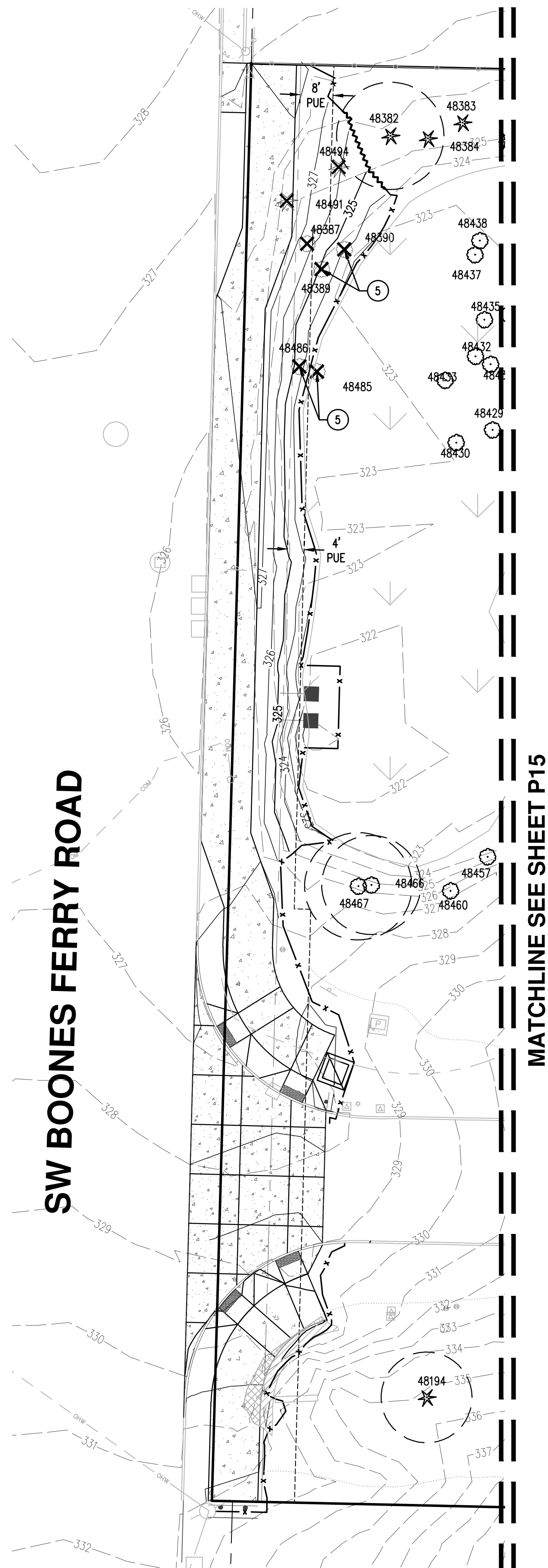


TREE PROTECTION / CONSTRUCTION FENCE

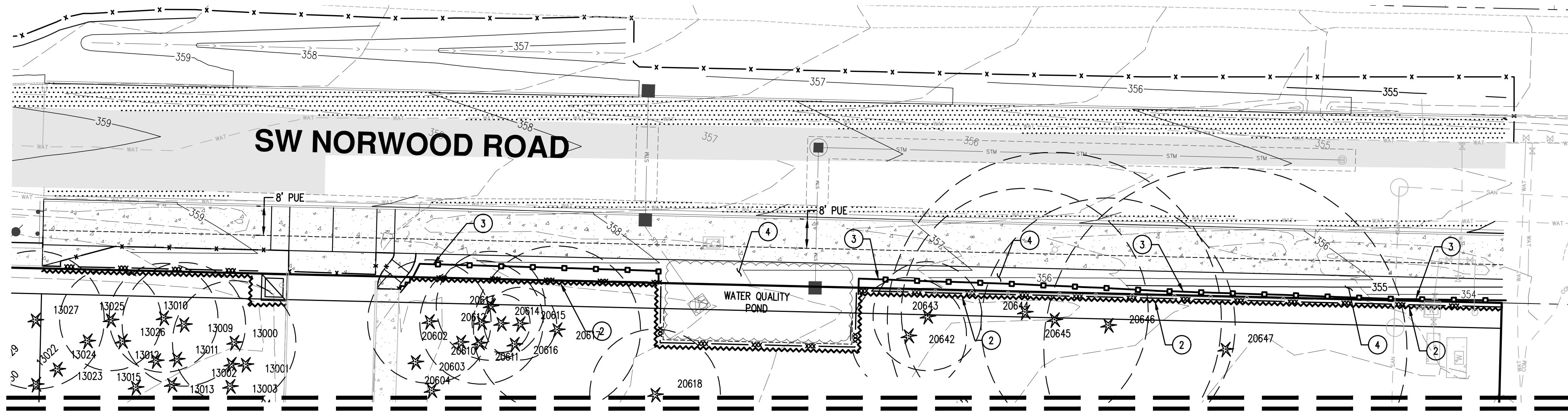


BENNETT R. KOCSIS
 CERTIFICATE NUMBER: PN 9878
 EXPIRATION DATE: 12/31/2025

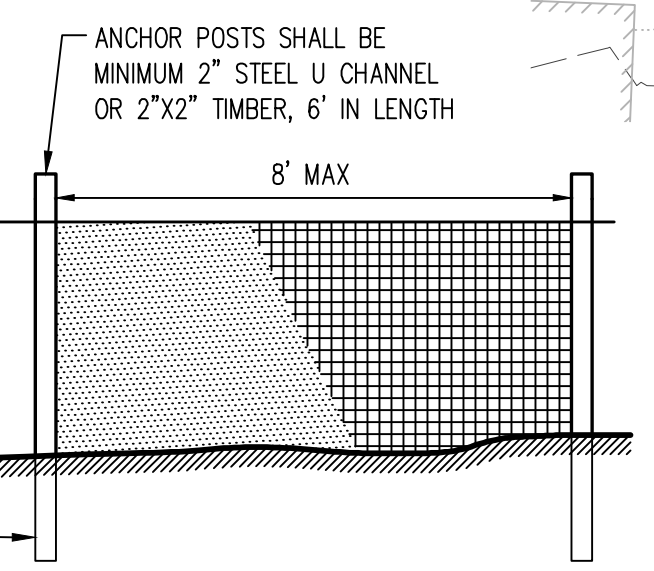
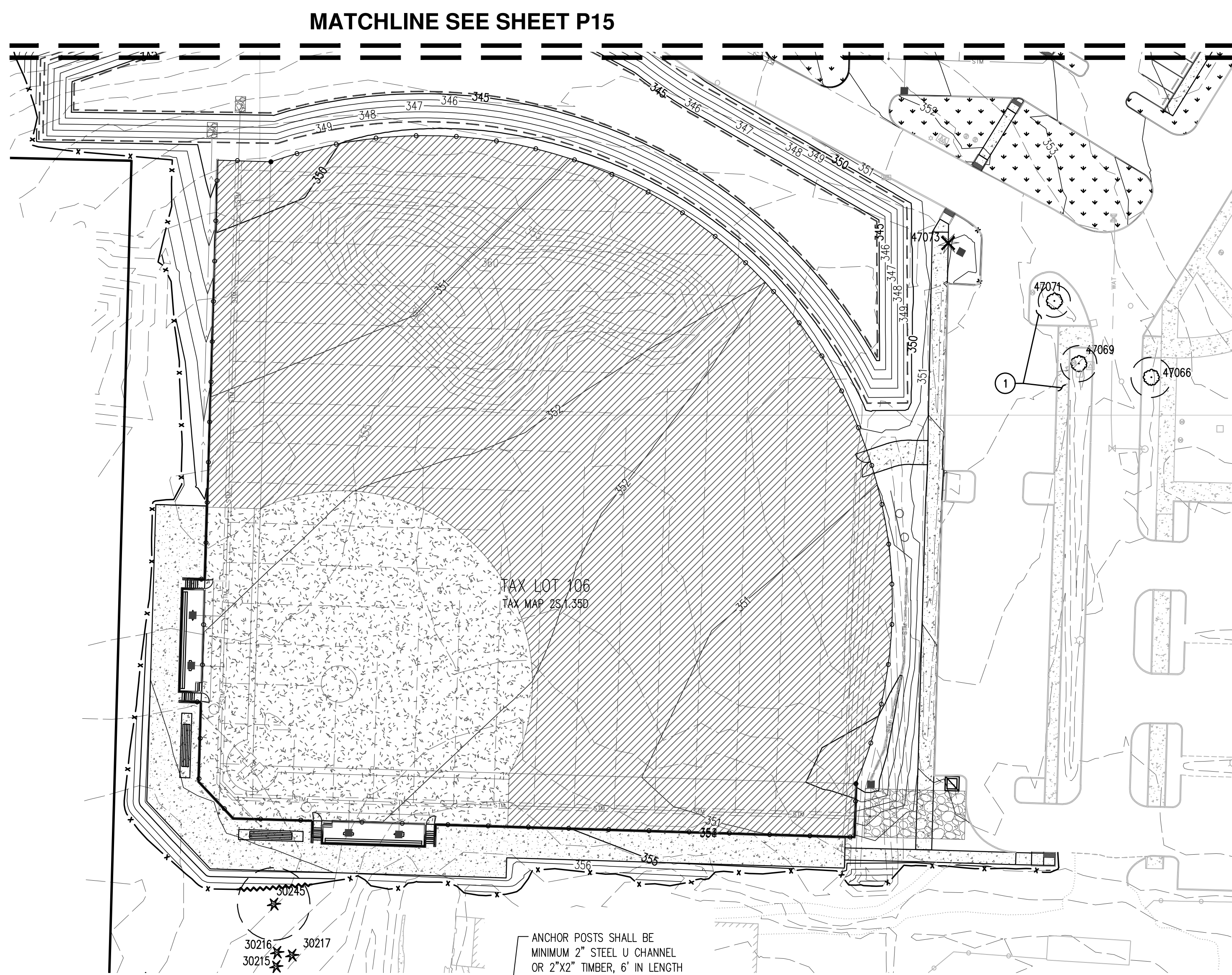
SW BOONES FERRY ROAD



MATCHLINE SEE SHEET P15



MATCHLINE SEE SHEET P15



ANCHOR POSTS MUST BE INSTALLED TO A DEPTH OF NO LESS THAN 1/3 THE TOTAL HEIGHT OF POST

TREE PROTECTION / CONSTRUCTION FENCE

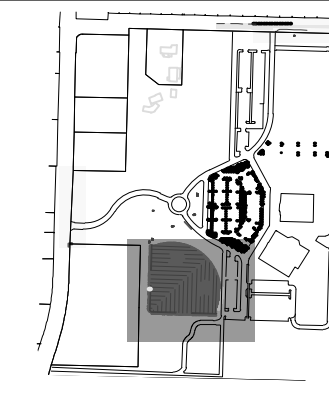
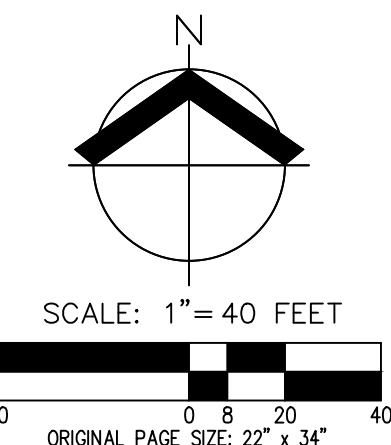
- NOTES:
1. BLAZE ORANGE PLASTIC MESH FENCE FOR TREE PROTECTION DEVICE OR APPROVED EQUAL.
 2. AVOID DAMAGE TO TREE ROOT ZONE. DO NOT DAMAGE OR SEVER LARGE ROOTS WHEN INSTALLING POSTS.
 3. DEVICE SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.

LEGEND

EXISTING GROUND CONTOUR (1 FT)	---	149
EXISTING GROUND CONTOUR (5 FT)	---	150
FINISHED GRADE CONTOUR (1 FT)	---	149
FINISHED GRADE CONTOUR (5 FT)	---	150
EXISTING CONIFEROUS TREE	★	
EXISTING DECIDUOUS TREE	○	
TREE REMOVAL	✕	
TREE PROTECTION/CONSTRUCTION FENCE (TREE PROTECTION AREA)	~	
LOCATION TREE PROTECTION FENCE AFTER DEMOLITION IS COMPLETE (AS DENOTED BY KEYED NOTE #3)	—	
ORANGE SEDIMENT FENCE (ALSO SERVES AS TREE PROTECTION FENCE WHERE SHOWN)	x	
STRAW WATTLE (TO BE USED IN LIEU OF SEDIMENT FENCE WITHIN ROOT ZONES OF TREES TO BE PRESERVED)	---	
ASSUMED TREE ROOT ZONE (1-FT RADIUS PER 1-IN OF DBH)	○	

TREE PROTECTION KEYED NOTES:

1. CONSTRUCTION ACTIVITIES, EQUIPMENT STAGING, MATERIAL STORAGE, GROUND DISTURBANCE ETC. IS NOT ANTICIPATED IN THIS AREA. IF THESE ACTIVITIES ARE NECESSARY, THEN TREE PROTECTION MEASURES MAY BE REQUIRED. COORDINATE WITH THE PROJECT ARBORIST.
2. LOCATION OF TREE PROTECTION FENCE DURING DEMOLITION. TREE PROTECTION FENCE TO BE ADJUSTED TO FINAL LOCATION AS SHOWN BY NOTE #3 FOLLOWING DEMOLITION AND PRIOR TO GROUND DISTURBING ACTIVITIES.
3. LOCATION OF TREE PROTECTION FENCE AFTER DEMOLITION IS COMPLETE (PRIOR TO ANY GROUND DISTURBING ACTIVITIES).
4. ASPHALT BEING DEMOLISHED NEAR TREES TO BE PRESERVED SHOULD BE REMOVED BY STRIPPING MATERIAL TO BARE SOIL, BEING CAREFUL NOT TO DAMAGE TREE ROOTS. EXCAVATION BEYOND STRIPPING ASPHALT, BASE ROCK, ETC. SHOULD NOT OCCUR. COMPACTION, EXCAVATION, AND EQUIPMENT TRACK WALKING SHOULD BE AVOIDED ON PORTIONS OF THE TREE PROTECTION AREA WHERE ASPHALT HAS BEEN REMOVED. IF CONSTRUCTION ACCESS IS DESIRED IN AREAS WHERE ASPHALT HAS BEEN REMOVED, THEN STEEL PLATES, MULCH, OR OTHER MATERIAL AS APPROVED BY THE PROJECT ARBORIST SHOULD BE PLACED SO AS NOT TO CAUSE EXCESSIVE SOIL COMPACTION. A CERTIFIED ARBORIST SHOULD BE ONSITE DURING DEMOLITION IN THIS AREA.
5. STUMP OF TREE TO BE REMOVED SHALL BE CUT FLUSH WITH THE GROUND AND LEFT IN PLACE.



**PRELIMINARY TREE PRESERVATION AND
 REMOVAL PLAN
 HORIZON COMMUNITY CHURCH EXPANSION
 TUALATIN OREGON**

**PRELIMINARY
 NOT FOR
 CONSTRUCTION**



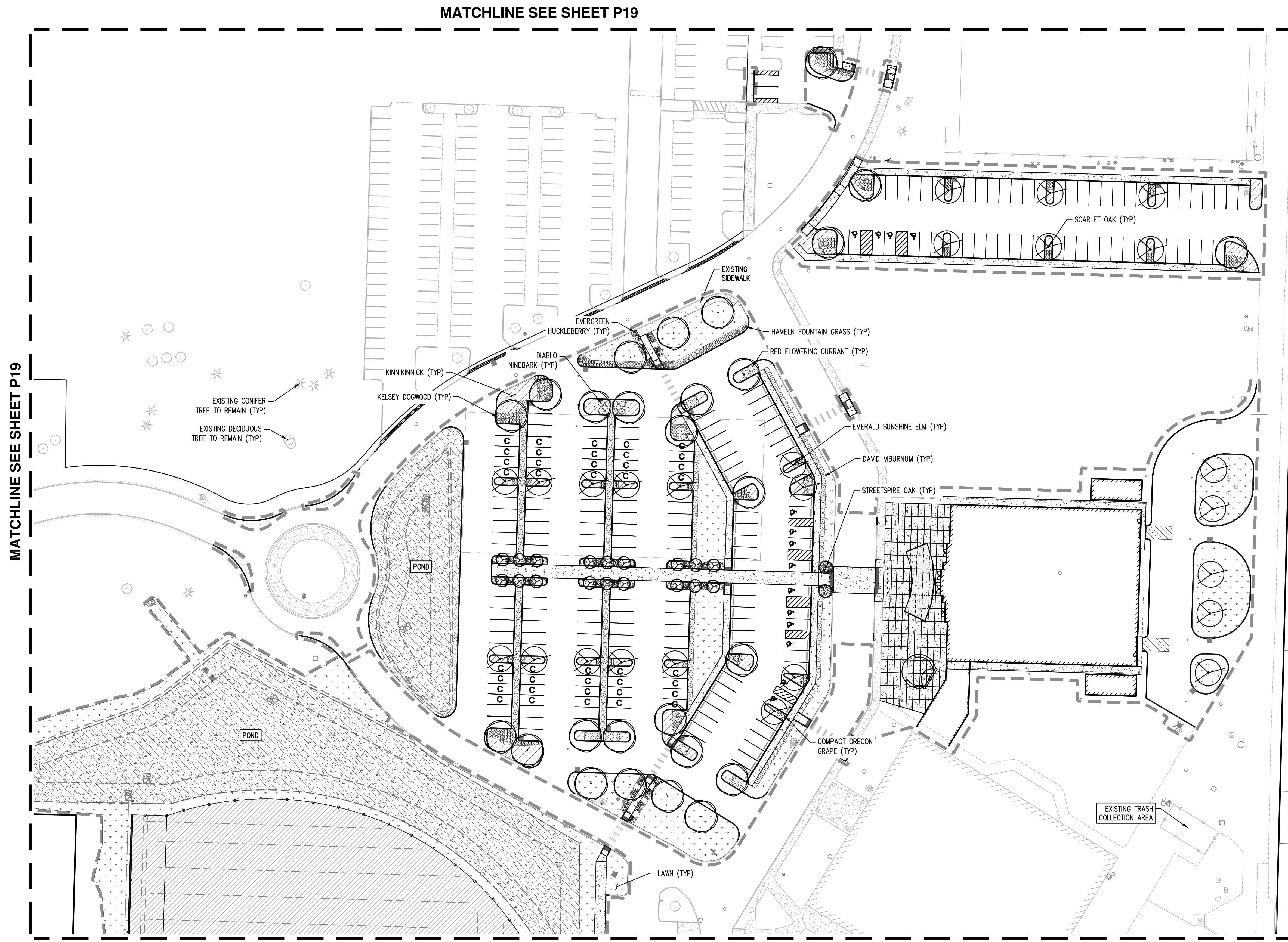
BENNETT R. KOCIS
 CERTIFICATE NUMBER: PN 88774
 EXPIRATION DATE: 12/31/2025

JOB NUMBER:	9349
DATE:	05/08/2024
DESIGNED BY:	CAK
DRAWN BY:	TBD
CHECKED BY:	CAK

PRELIMINARY LANDSCAPE PLAN - PARKING LOT
HORIZON COMMUNITY CHURCH EXPANSION
TUALATIN OREGON

**PRELIMINARY
 NOT FOR
 CONSTRUCTION**

JOB NUMBER:	9349
DATE:	05/08/2024
DESIGNED BY:	JRH
DRAWN BY:	JRH
CHECKED BY:	TEB



MATCHLINE SEE SHEET P19

MATCHLINE SEE SHEET P19

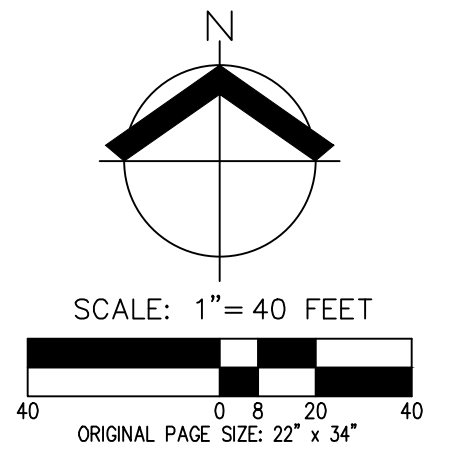
MATCHLINE SEE SHEET P19

GENERAL NOTE

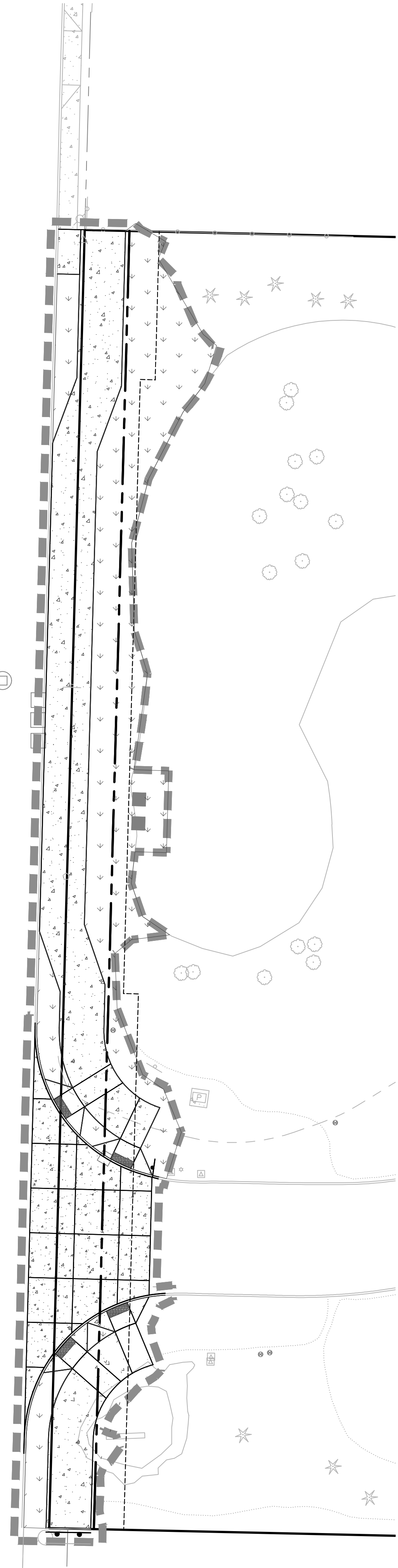
- REFER TO SHEET P-20 FOR LANDSCAPE SCHEDULE AND NOTES.

AREA SUMMARY

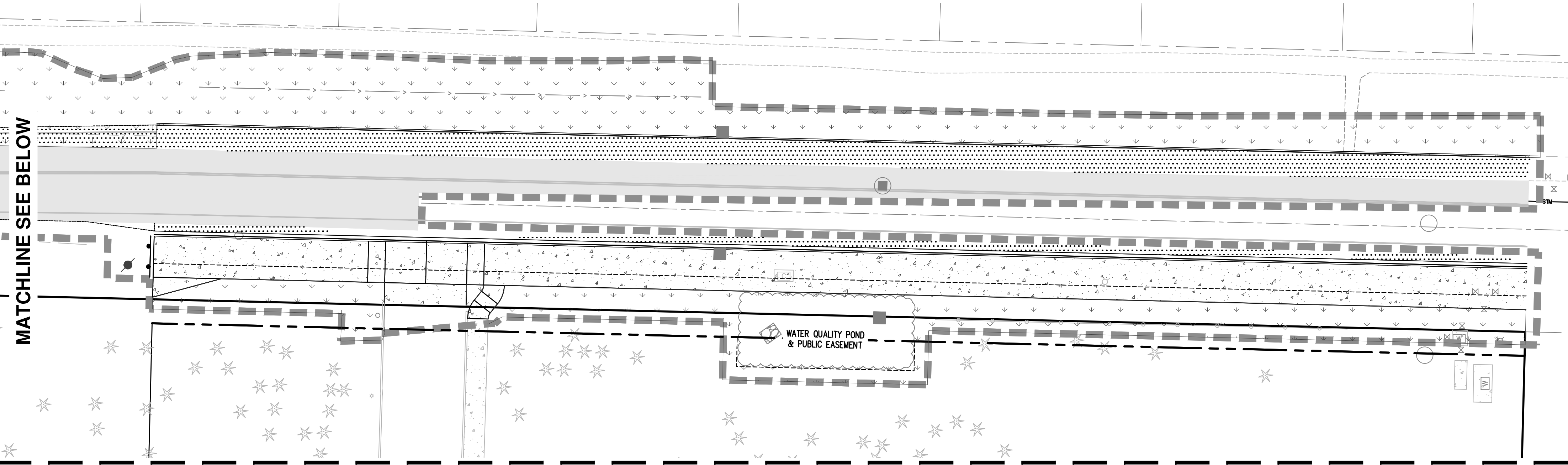
SUBJECT PROPERTY AREA	= ±29.4 ACRES
TOTAL DISTURBED AREA	= ±8.3 ACRES
EXISTING IMPERVIOUS AREA	= ±445,340 SF
NEW IMPERVIOUS AREA	= ±252,730 SF
TOTAL IMPERVIOUS AREA	= ±698,250 SF
PARKING LOT LANDSCAPE AREA	= ±30,700 SF



SW BOONES FERRY RD

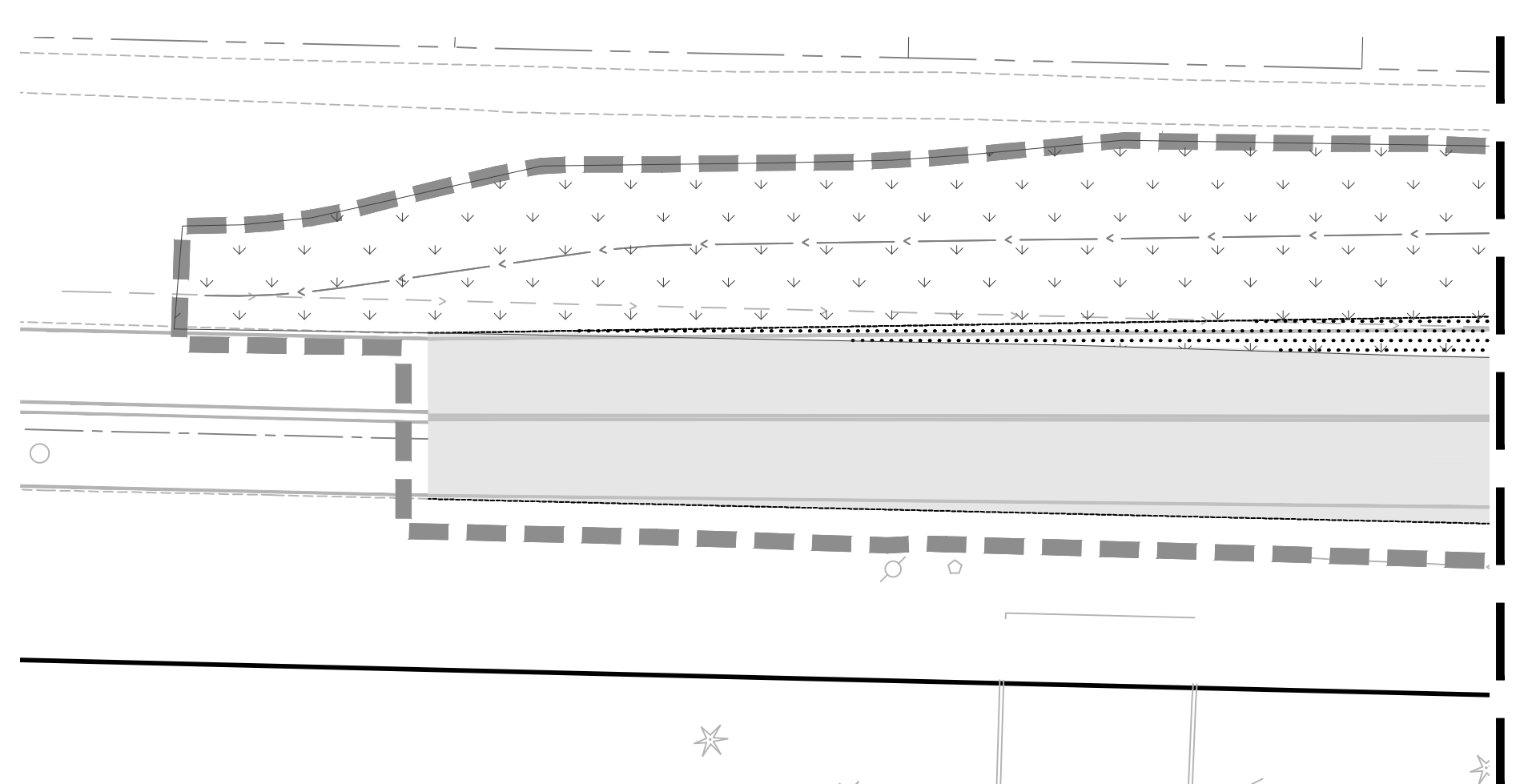


MATCHLINE SEE SHEET P18



MATCHLINE SEE BELOW

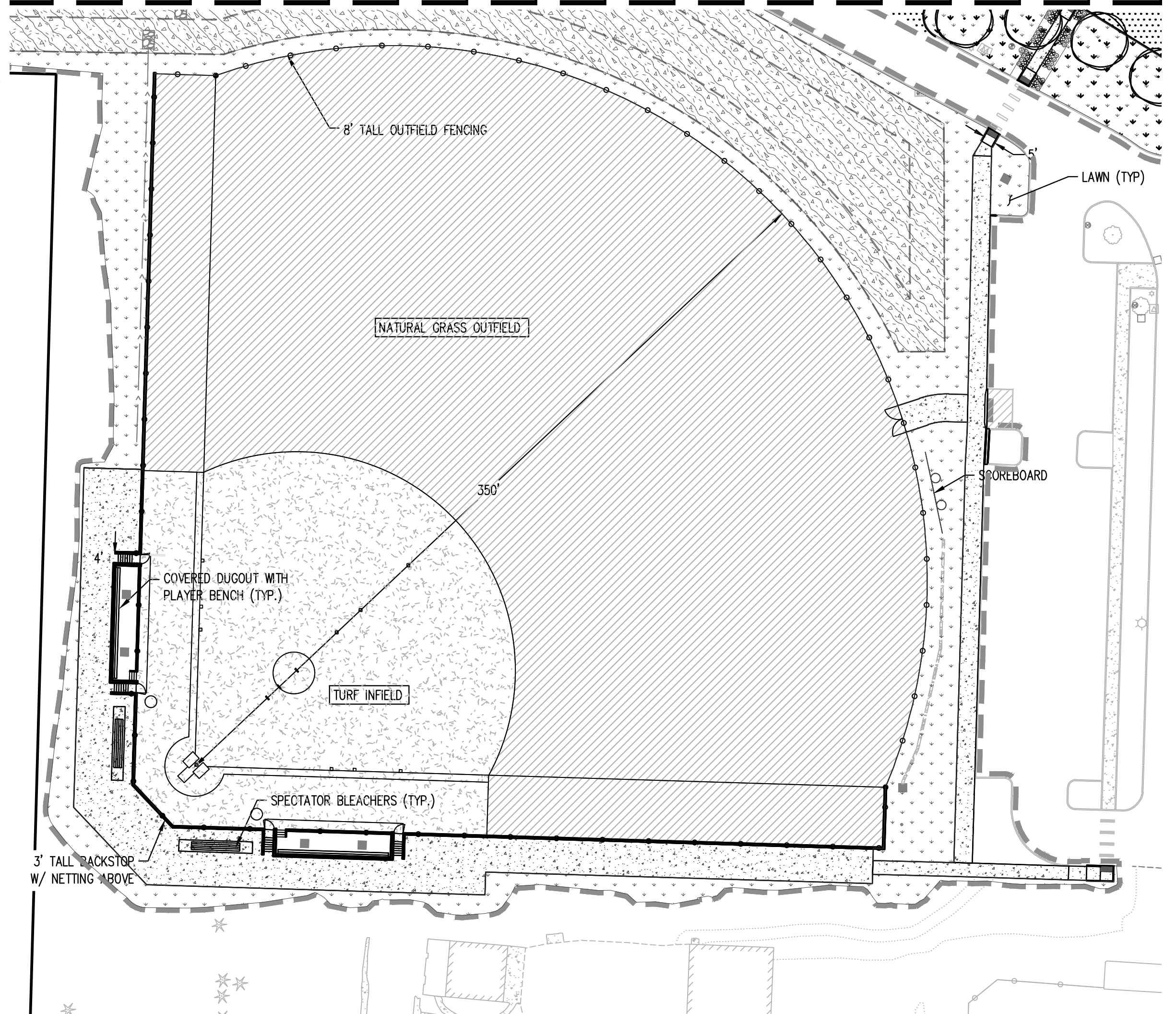
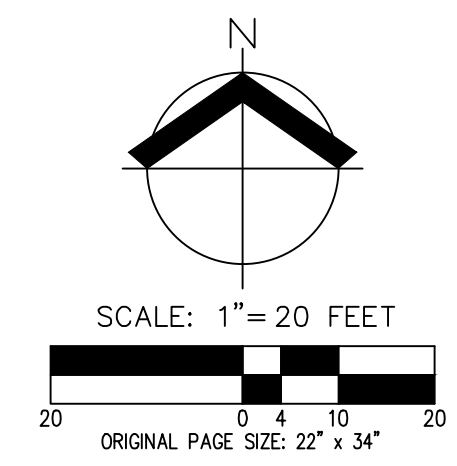
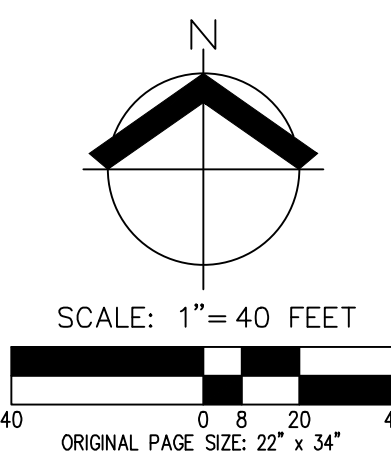
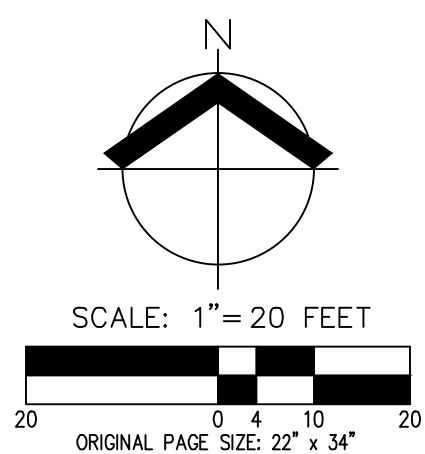
MATCHLINE SEE SHEET P18



MATCHLINE SEE ABOVE

GENERAL NOTE

- 1. REFER TO SHEET P-20 FOR LANDSCAPE SCHEDULE AND NOTES.



PRELIMINARY LANDSCAPE PLAN - AUXILIARY SITES

HORIZON COMMUNITY CHURCH EXPANSION
TUALATIN

OREGON

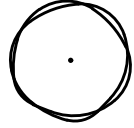

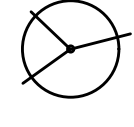







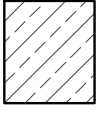
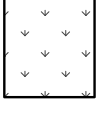
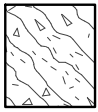
PRELIMINARY
NOT FOR
CONSTRUCTION

JOB NUMBER:	9349
DATE:	05/08/2024
DESIGNED BY:	JRH
DRAWN BY:	JRH
CHECKED BY:	TEB

PRELIMINARY LANDSCAPE NOTES

- PLANTS AND PLANTINGS ARE PRELIMINARY AND SHOWN TO PORTRAY THE CHARACTER OF THE SITE. PLAN REVISIONS INCLUDING CHANGES TO PLANT SPECIES, SIZES, SPACING, QUANTITIES, ETC., DUE TO PLANT AVAILABILITY, FINAL FIELD LOCATIONS OF DRIVEWAYS, UTILITIES, ETC., OR UNFORESEEN SITE CONDITIONS, MAY BE MADE PRIOR TO INSTALLATION WHERE ALLOWED BY THE CITY OF TUALATIN DESIGN STANDARDS.
- ALL PLANTS AND INSTALLATION SHALL CONFORM TO THE CITY OF TUALATIN LANDSCAPE DESIGN STANDARDS AND TO THE AMERICAN STANDARD FOR NURSERY STOCK, ANSI Z60.1, CURRENT EDITION, IN ALL WAYS. TREES AND OTHER LANDSCAPING PLANT MATERIAL SHALL BE WELL-BRANCHED AND TYPICAL FOR THE SPECIES, BEING FREE OF DAMAGE, DISEASE, OR PESTS.
- PLANT MATERIALS SHALL BE INSTALLED TO CURRENT BEST PRACTICE INDUSTRY STANDARDS, SUCH AS THOSE ADOPTED BY THE OREGON LANDSCAPE CONTRACTORS BOARD (OLCB).
- ALL TREES SHALL BE DOUBLE STAKED. SUPPORT DEVICES (GUY WIRES, ETC.) SHALL NOT INTERFERE WITH NORMAL PEDESTRIAN OR VEHICULAR MOVEMENT OR PLACED IN SUCH A WAY TO DAMAGE TREE BARK. CENTER TREE IN PLANTING STRIP BETWEEN CURB AND SIDEWALK WHERE APPLICABLE.
- LANDSCAPING WITHIN VISION CLEARANCE AREAS SHALL BE MAINTAINED TO THE STANDARDS OF SECTION 4.177. OF THE CITY OF TUALATIN'S DEVELOPMENT CODE.
- WATERING WILL BE PROVIDED FOR NEW PLANTING ESTABLISHMENT AND LONG TERM PLANT HEALTH. IRRIGATION SYSTEMS SHALL BE DESIGN-BUILD BY THE LANDSCAPE CONTRACTOR.
- MULCH: APPLY 3" DEEP WELL-AGED DARK HEMLOCK, OR FIR, MEDIUM GRIND, UNDER AND AROUND ALL PLANTS IN PLANTING BEDS. WHERE TREES OR OTHER WOODY PLANT MATERIAL ARE PLANTED IN SEEDED AREAS, A MINIMUM 3" DIAMETER BARK MULCH SHALL BE USED AND CENTERED ON THE PLANT TRUNK FOR EASE OF MAINTENANCE AND SOIL MOISTURE RETENTION.

PRELIMINARY PLANT SCHEDULE

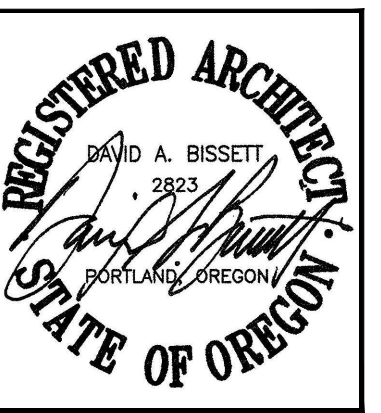
TREES	QTY	BOTANICAL NAME	COMMON NAME	SIZE/CONTAINER	SPACING
	27	QUERCUS COCCINEA	SCARLET OAK	2" CAL. B&B	AS SHOWN
	20	QUERCUS X BIMUNDORUM 'JFS-KW1QX'	STREETSPIRE OAK	2" CAL. B&B	AS SHOWN
	25	ULMUS PROPINQUA 'JFS-BIEBERICH'	EMERALD SUNSHINE ELM	2" CAL. B&B	AS SHOWN
SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	SIZE/CONTAINER	SPACING
	187	CORNUS SERICEA 'KELSEY'	KELSEY DOGWOOD	2 GAL. CONT.	24" o.c.
	234	MAHONIA AQUIFOLIUM 'COMPACTA'	COMPACT OREGON GRAPE	2 GAL. CONT.	30" o.c.
	184	PENNISETUM ALOPECUROIDES 'HAMELN'	HAMELN FOUNTAIN GRASS	1 GAL. CONT.	24" o.c.
	35	PHYSOCARPUS OPULIFOLIUS 'MONLO'	DIABOLO NINEBARK	3 GAL. CONT.	60" o.c.
	36	RIBES SANGUINEUM	RED FLOWERING CURRANT	2 GAL. CONT.	36" o.c.
	78	VACCINIUM OVATUM	EVERGREEN HUCKLEBERRY	2 GAL. CONT.	36" o.c.
	220	VIBURNUM DAVIDII	DAVID VIBURNUM	2 GAL. CONT.	42" o.c.
GROUND COVERS	QTY	BOTANICAL NAME	COMMON NAME	SIZE/CONTAINER	SPACING
	712	ARCTOSTAPHYLOS UVA-URSI	KINNIKINICK	1 GAL. CONT.	30" o.c.
	±58,549 SF	LAWN - NORTHWEST SUPREME LAWN MIX. SUNMARK SEEDS OR APPROVED EQUAL. COMPOSITION BY WEIGHT: CUTTER II PERENNIAL RYEGRASS (LOLIUM PERENNE VAR CUTTER II) 35% DASHER III PERENNIAL RYEGRASS (LOLIUM PERENNE VAR DASHER III) 35% GARNET CREEPING RED FESCUE (FESTUCA RUBRA) 15% WINDWARD CHEWINGS FESCUE (FESTUCA RUBRA SPP. LONGIFOLIA) 15% APPLY AT A RATE OF 8 LBS PER 1,000 SF OR AS RECOMMENDED BY SUPPLIER FOR FULL COVERAGE. (HIGH WATER USAGE - PERMANENT IRRIGATION)			
	±44,628 SF	STORMWATER FACILITY PLANTED TO CITY OF TUALATIN STANDARDS			

PRELIMINARY LANDSCAPE NOTES AND PLANT SCHEDULE
HORIZON COMMUNITY CHURCH EXPANSION
TUALATIN
OREGON

**PRELIMINARY
 NOT FOR
 CONSTRUCTION**

JOB NUMBER:	9349
DATE:	05/08/2024
DESIGNED BY:	JRH
DRAWN BY:	JRH
CHECKED BY:	TEB

NEW SANCTUARY HORIZON COMMUNITY CHURCH



23620 SW BOONES FERRY RD.
TUALATIN, OREGON 97062

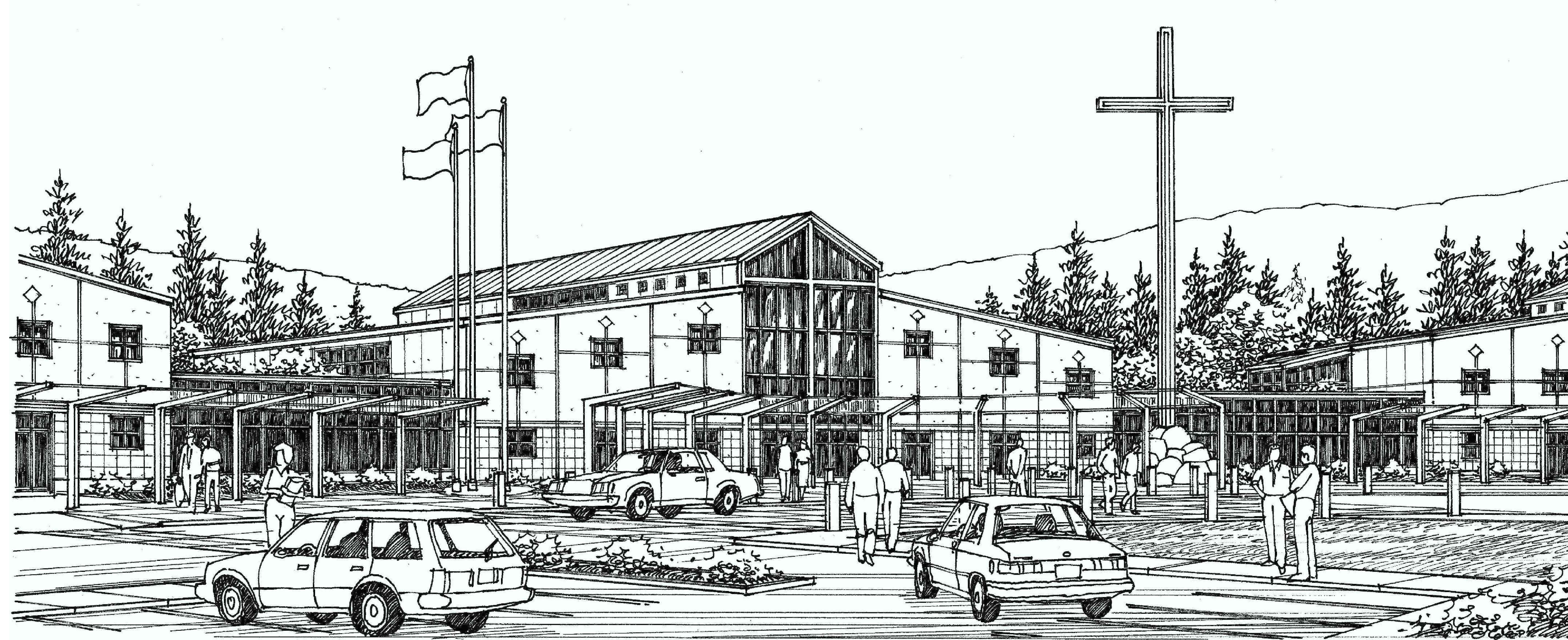
CODE RELATED INFORMATION

Building Code Information

2019 Oregon Structural Specialty Code (OSSC) based on 2018 IBC.
City of Tualatin Development Code.

Table 49-2
Development Standards in the IN Zone

STANDARD	REQUIREMENT	LIMITATIONS AND CODE REFERENCES
MINIMUM LOT SIZE		
All Uses	1.5 acres	
MINIMUM LOT WIDTH		
Minimum Average Lot Width	100 feet	When lot has frontage on public street, minimum lot width is 40 feet.
Infrastructure and Utilities Uses	—	As determined through the Subdivision, Partition, or Lot Line Adjustment process
Flag Lots	—	Must be sufficient to comply with minimum access requirements of TDC.73C.
MINIMUM SETBACKS		
Front	25 feet	No fence must be constructed within five feet of a public right-of-way.
Side	10 feet	
Rear	25 feet	
Corner Lots	—	On corner lots, the setback is the same as the front yard setback on any side facing a street other than an alley.
Parking and Vehicle Circulation Areas		
• From any property line	10 feet	
• From public right-of-way	30 feet	
Conditional Uses	—	As determined through Conditional Use Permit and Architectural Review process. No minimum setback must be greater than 50 feet.
MAXIMUM STRUCTURE HEIGHT		
All Uses	50 feet	



GENERAL NOTES

1. DEFERRED SUBMITTALS SHALL BE SUBMITTED TO THE ARCHITECT FOR REVIEW PER OSSC 106.3.4.2.
DEFERRED SUBMITTALS (BIDDER DESIGN)

INDEX OF SHEETS

NO.	DESCRIPTION
CS	COVER SHEET
A1.1	OVERALL SITE PLAN
A1.2	AERIAL SITE PLAN
A1.3	SITE PLAN
FLS-1	MAIN LEVEL FLS PLAN
FLS-2	UPPER LEVEL FLS PLAN
A2.1	MAIN LEVEL FLOOR PLAN
A2.1.1	ENLARGED MAIN LEVEL NORTH SIDE
A2.1.2	ENLARGED MAIN LEVEL SOUTH SIDE
A2.1.3	MAIN LEVEL OVERALL SEATING
A2.2	UPPER LEVEL FLOOR PLAN
A2.2.1	ENLARGED UPPER LEVEL NORTH SIDE
A2.3	ROOF PLAN
A2.4	SCHEDULES
A3.1	EXTERIOR ELEVATIONS
A3.2	EXTERIOR ELEVATIONS
A3.3	RENDERED EXTERIOR ELEVATIONS
A3.4	RENDERED EXTERIOR ELEVATIONS
A4.1	BUILDING SECTIONS
A4.2	WALL SECTIONS
A4.3	WALL SECTIONS
A5.1	CANOPY DETAILS
A5.2	BREEZE WAY DETAILS
A6.1	DETAILS
A7.1	INTERIOR ELEVATIONS
A7.2	INTERIOR ELEVATIONS
A7.3	INTERIOR ELEVATIONS
A7.4	INTERIOR ELEVATIONS
A7.5	NOT USED
A7.6	INTERIOR ELEVATIONS
A7.7	INTERIOR ELEVATIONS
A7.8	INTERIOR ELEVATIONS
A8.1	MAIN LEVEL REFLECTED CEILING PLAN
A8.2	UPPER LEVEL REFLECTED CEILING PLAN
A8.3	LIGHTING DETAILS

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503.341.4445
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COVER SHEET
HORIZON COMMUNITY CHURCH
23620 SW BOONES FERRY RD.
TUALATIN, OR

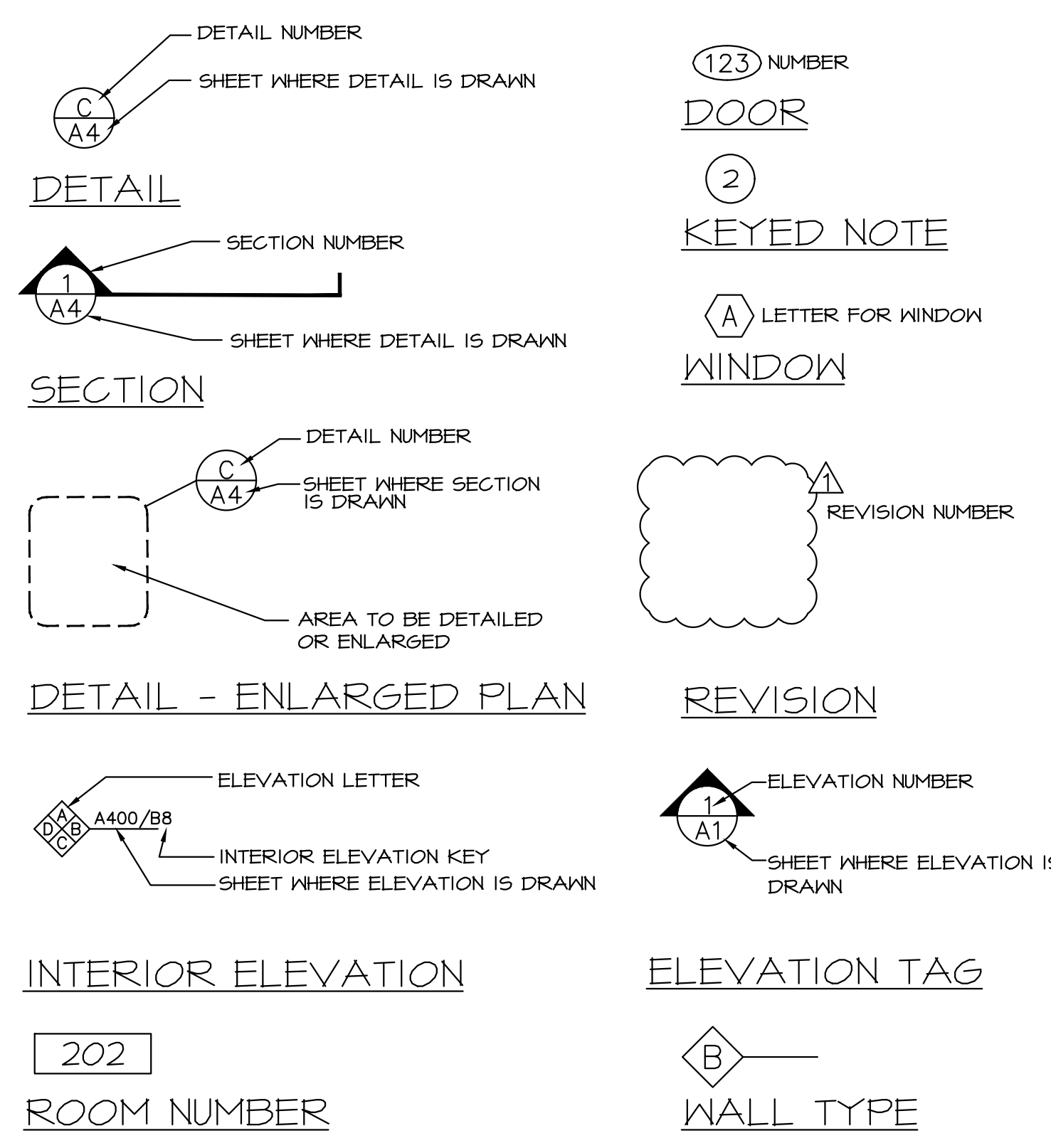


Revisions

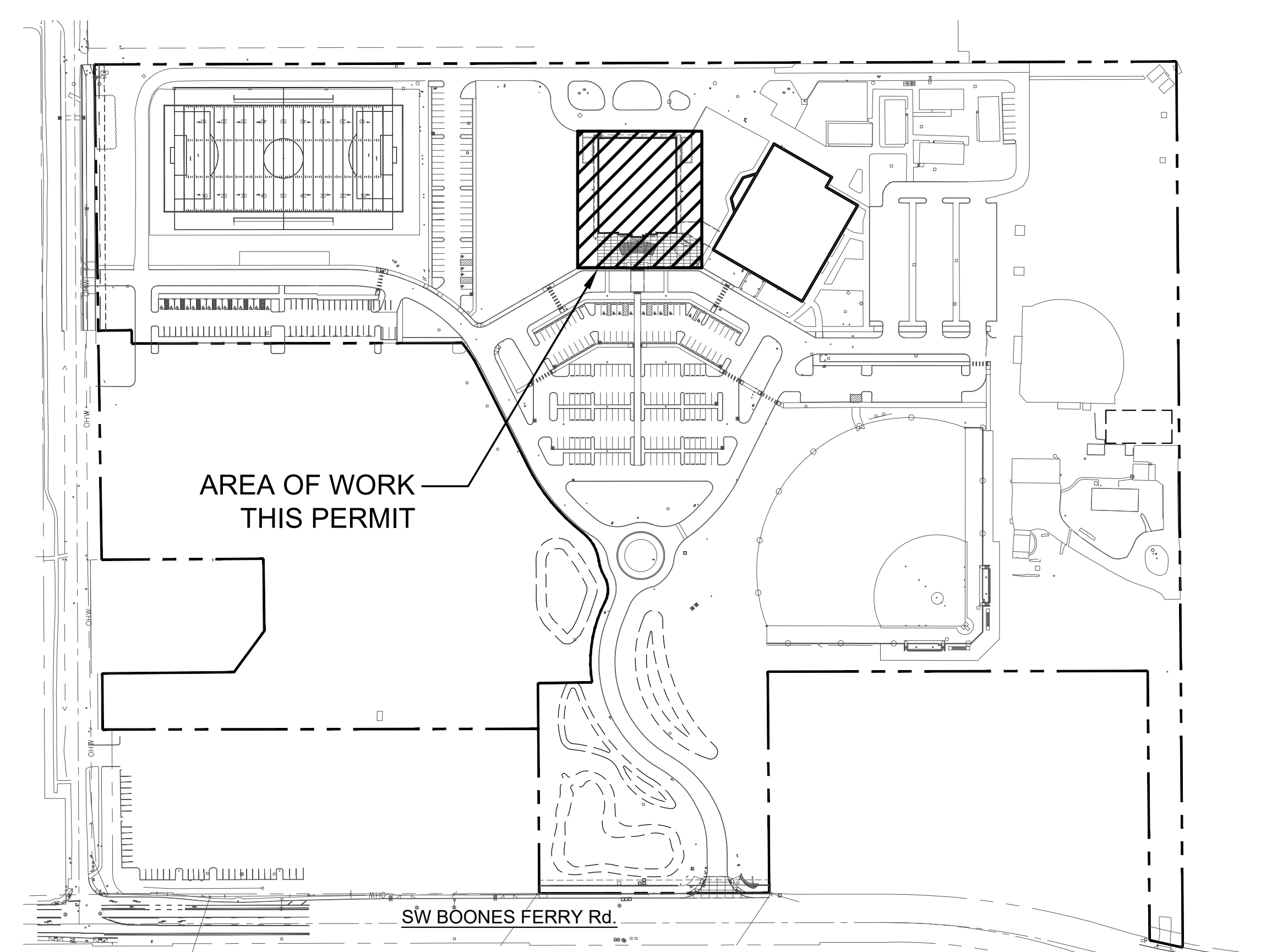
Drawn By: TA
Checked By: DB
Issue Date: Nov. 30, 2023
Drawing File Name: Horizon Sanctuary

Sheet Number
CS

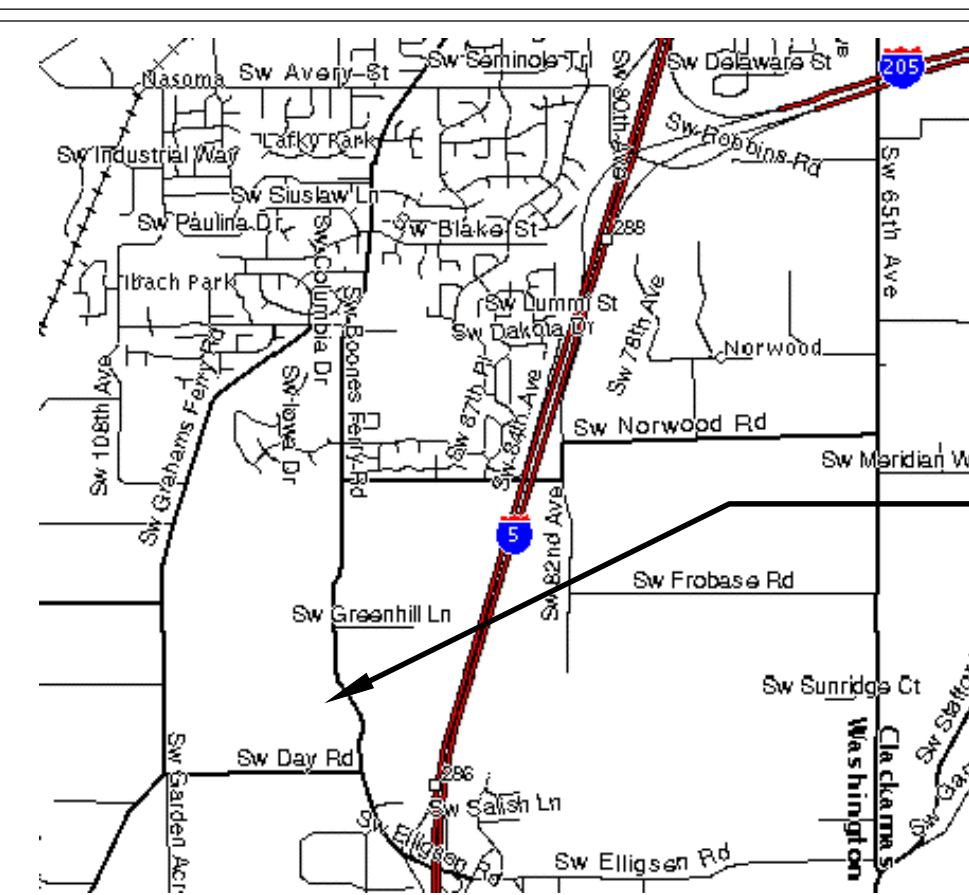
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KEY PLAN

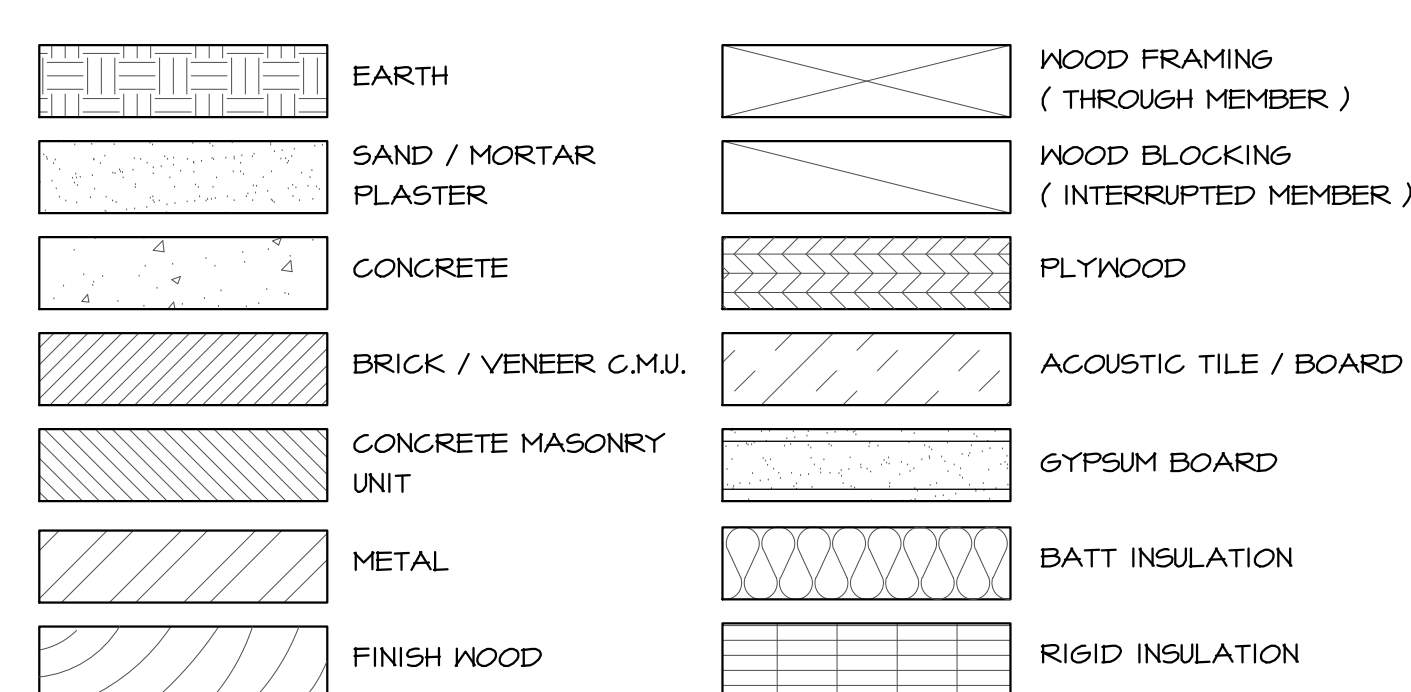


VICINITY MAP

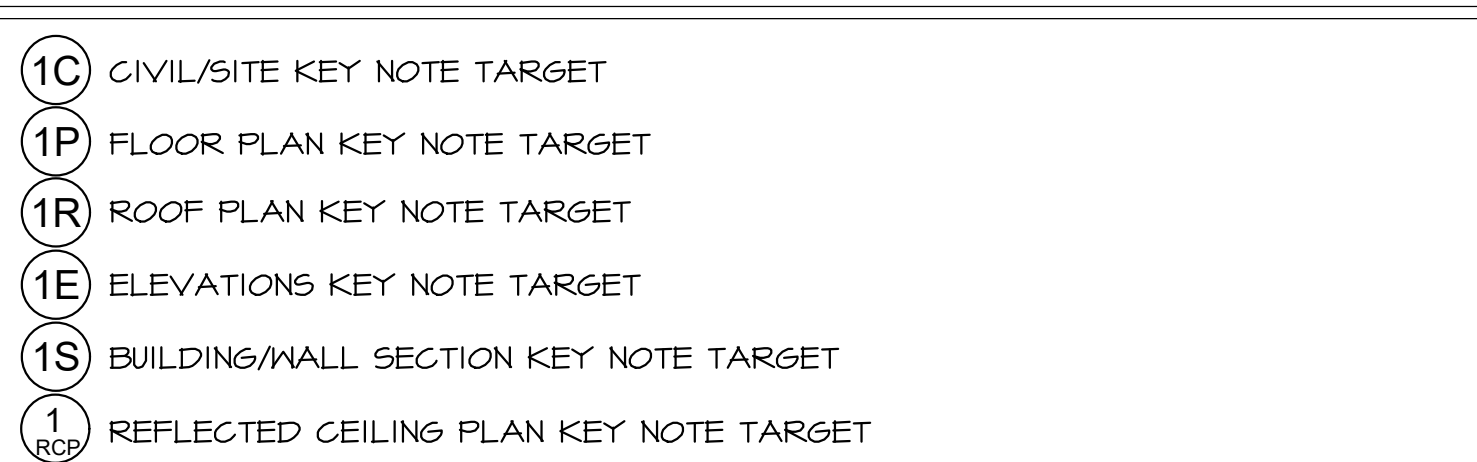


PROJECT LOCATION

MATERIALS



KEY NOTE LEGEND



PROJECT TEAM

OWNER
HORIZON COMMUNITY CHURCH
23620 SW BOONES FERRY RD.
TUALATIN, OR 97062

ARCHITECT:
DAVID BISSETT ARCHITECT, PC
10940 SW BARNES RD., #101
PORTLAND, OR 97225
(503) 341-4445
davidb@dbaarch.com

GENERAL CONTRACTOR:
PERLO CONSTRUCTION
11450 SW AMU STREET
TUALATIN, OR 97062
(503) 624-2090
dcoopman@perlo.biz

STRUCTURAL ENGINEERS:
VLMK ENGINEERING & DESIGN
3433 SW KELLY AVE.
PORTLAND, OR 97234
(503) 222-4453
trent@vlmk.com

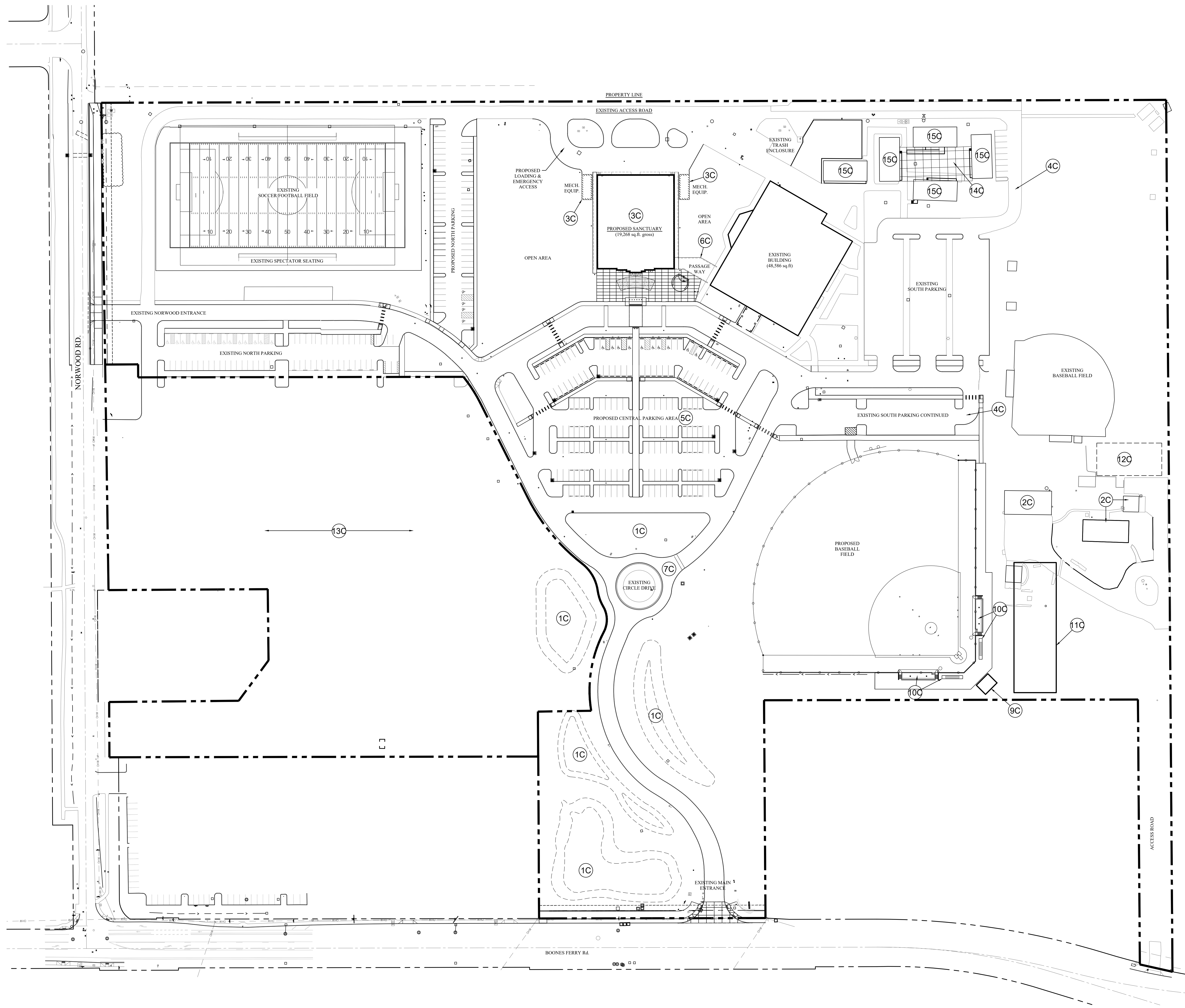
MEP ENGINEERS:
CORBIN CONSULTING ENGINEERS
1905 NW 145th PLAGE, SUITE 121
BEAVERTON, OR 97006
(503) 360-1912
mike.machinski@corbinengineering.com

GEOTECH ENGINEERS:
GEOPACIFIC ENGINEERING Inc.
14035 SW 12nd Ave
PORTLAND, OR 97224
(503) 598-8445

TRAFFIC ENGINEERS:
LANCASTER MOBLEY
321 SW 4th Ave, SUITE 400
PORTLAND, OR 97204
(503) 248-0313
jennifer@langcastermobley.com

CIVIL ENGINEER / LANDSCAPE
AKS ENGINEERING & FORESTRY LLC
12965 SW HERMAN RD. #100
TUALATIN, OR 97062
(503) 563-6151

PERMIT SET



1 OVERALL SITE PLAN
 A1.1 1" = 60'-0"

GENERAL NOTES:

1. DEFERRED SUBMITTALS SHALL BE SUBMITTED TO THE ARCHITECT FOR REVIEW PER OSBC 106.3.4.2.
 DEFERRED SUBMITTALS (BIDDER DESIGN)

KEY NOTES:

- NOTE:
 SOME NOTES DO NOT APPLY TO EACH SHEET
- 1C EXISTING STORM FACILITY
 - 2C EXISTING BUILDING TO REMAIN (48,565 sq.ft.)
 - 3C PROPOSED SANCTUARY - NEW 19,268 sq.ft.
 - 4C NEW DRIVE LANE
 - 5C PROPOSED CENTRAL PARKING - 110 SPACES
 - 6C BREEZEWAY - ALTERNATE COST
 - 7C RADIUS IMPROVEMENTS - ALTERNATE COST
 - 8C EXISTING BLDG'S TO REMAIN
 - 9C 20'x25' RESTROOM & CONCESSION
 - 10C BLEACHERS & DUGOUT
 - 11C 65'x200' TRAINING FACILITY - FUTURE
 - 12C OPTIONAL 50'x100' TRAINING FACILITY - FUTURE
 - 13C FUTURE DEVELOPMENT
 - 14C LANDSCAPE QUAD AREA
 - 15C EXISTING MODULAR CLASSROOM'S

PARKING SUMMARY:

NEW SANCTUARY (200 BASED ON 800 SEATS)	225
CURRENT MIDDLE SCHOOL	40
EXTRA	102
TOTAL	367
CURRENT SPACES	448
REMOVED	-141
TOTAL	257
NEW CENTRAL PARKING LOT	110
TOTAL PROVIDED	367

PERMIT SET



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OVERALL SITE PLAN
 HORIZON COMMUNITY CHURCH
 23620 SW BOONES FERRY RD.
 TUALATIN, OR



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 Drawing File Name: Horizon Sanctuary

Sheet Number
A1.1



1 CAMPUS AERIAL SITE PLAN
 A1.2 1" = 60'-0" 0 15' 30' 60'

GENERAL NOTES:

1. DEFERRED SUBMITTALS SHALL BE SUBMITTED TO THE ARCHITECT FOR REVIEW PER OSBC 106.3.4.2.

DEFERRED SUBMITTALS (BIDDER DESIGN)

KEY NOTES:

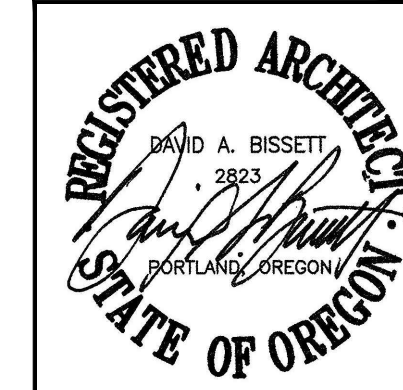
NOTE:
 SOME NOTES DO NOT APPLY TO EACH SHEET

- 1C EXISTING STORM FACILITY
- 2C EXISTING BUILDING TO REMAIN (48,565 sq.ft.)
- 3C PROPOSED SANCTUARY - NEW 19,268 sq.ft.
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- 5C PROPOSED CENTRAL PARKING - 110 SPACES
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- 7C RADIUS IMPROVEMENTS - ALTERNATE COST
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- 13C FUTURE DEVELOPMENT
- 14C LANDSCAPE QUAD AREA
- 15C EXISTING MODULAR CLASSROOM'S

PARKING SUMMARY:

NEW SANCTUARY (200 BASED ON 800 SEATS)	225
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TOTAL	367
CURRENT SPACES	448
REMOVED	-141
TOTAL	257
NEW CENTRAL PARKING LOT	110
TOTAL PROVIDED	367

PERMIT SET



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CAMPUS SITE PLAN

HORIZON COMMUNITY CHURCH
 23620 SW BOONES FERRY RD.
 TUALATIN, OR

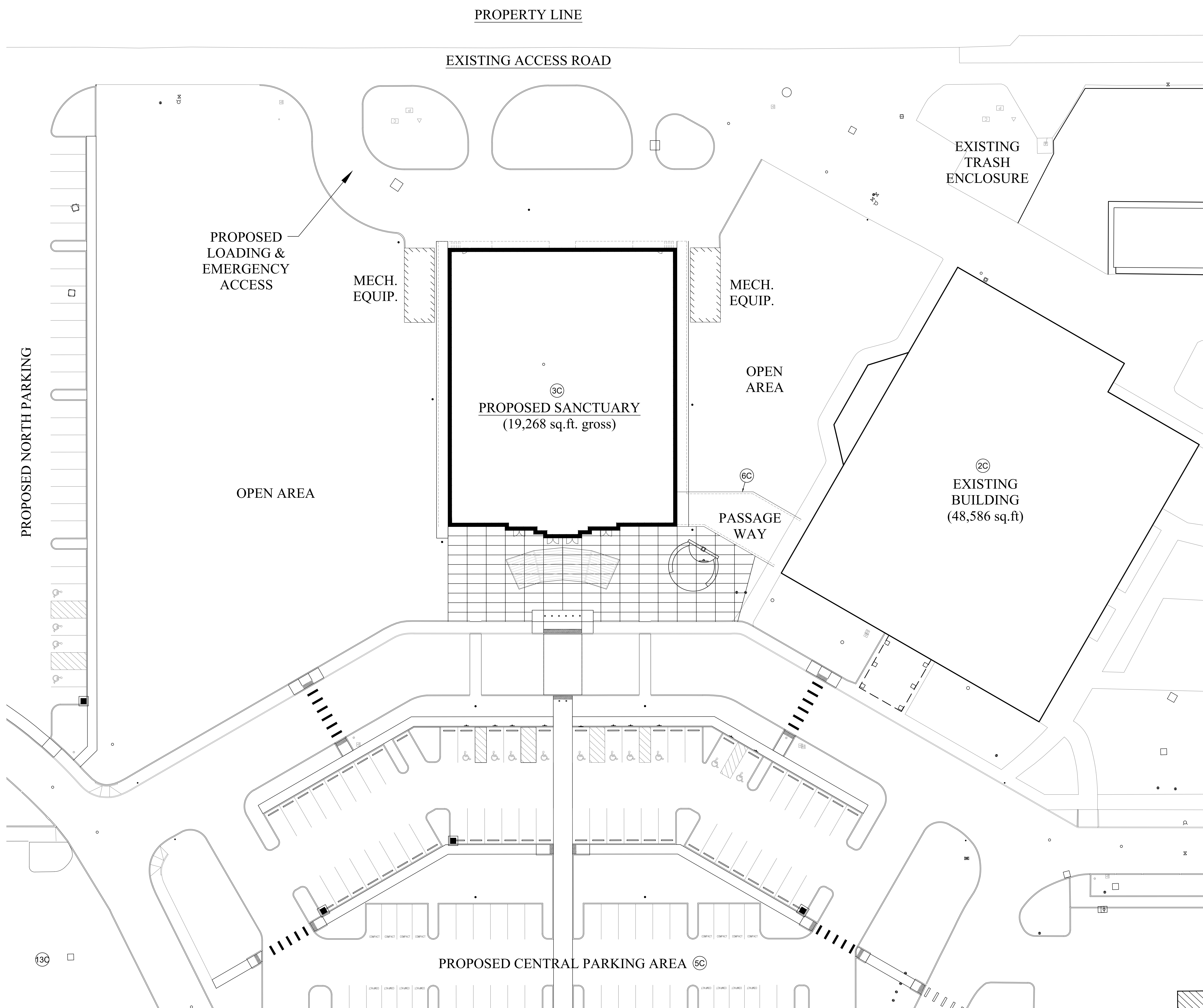


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 Drawing Title Name Horizon Sanctuary

Sheet Number

A1.2



PROPERTY LINE

EXISTING ACCESS ROAD

PROPOSED LOADING & EMERGENCY ACCESS

MECH. EQUIP.

MECH. EQUIP.

OPEN AREA

PROPOSED SANCTUARY
(19,268 sq.ft. gross)

EXISTING TRASH ENCLOSURE

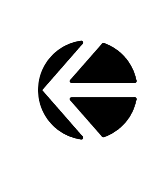
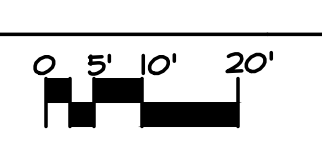
EXISTING BUILDING
(48,586 sq.ft.)

PASSAGE WAY

OPEN AREA

PROPOSED CENTRAL PARKING AREA (5C)

1 SITE PLAN
A1.3 1" = 20'-0"



GENERAL NOTES:
 1. DEFERRED SUBMITTALS SHALL BE SUBMITTED TO THE ARCHITECT FOR REVIEW PER OSSC 106.3.4.2.
 DEFERRED SUBMITTALS (BIDDER DESIGN)



- KEY NOTES:**
 NOTE: SOME NOTES DO NOT APPLY TO EACH SHEET
- (1C) EXISTING STORM FACILITY
 - (2C) EXISTING BUILDING TO REMAIN (48,565 sq.ft.)
 - (3C) PROPOSED SANCTUARY - NEW (19,268 sq.ft.)
 - (4C) NEW DRIVE LANE
 - (5C) PROPOSED CENTRAL PARKING - 110 SPACES
 - (6C) BREEZEWAY - ALTERNATE COST
 - (7C) RADIUS IMPROVEMENTS - ALTERNATE COST
 - (8C) EXISTING BLDG'S TO REMAIN
 - (9C) 20'x25' RESTROOM & CONCESSION
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 - (12C) OPTIONAL 50'x100' TRAINING FACILITY - FUTURE
 - (13C) FUTURE DEVELOPMENT
 - (14C) LANDSCAPE QUAD AREA
 - (15C) EXISTING MODULAR CLASSROOM'S

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SITE PLAN
 HORIZON COMMUNITY CHURCH
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 TUALATIN, OR



PARKING SUMMARY:

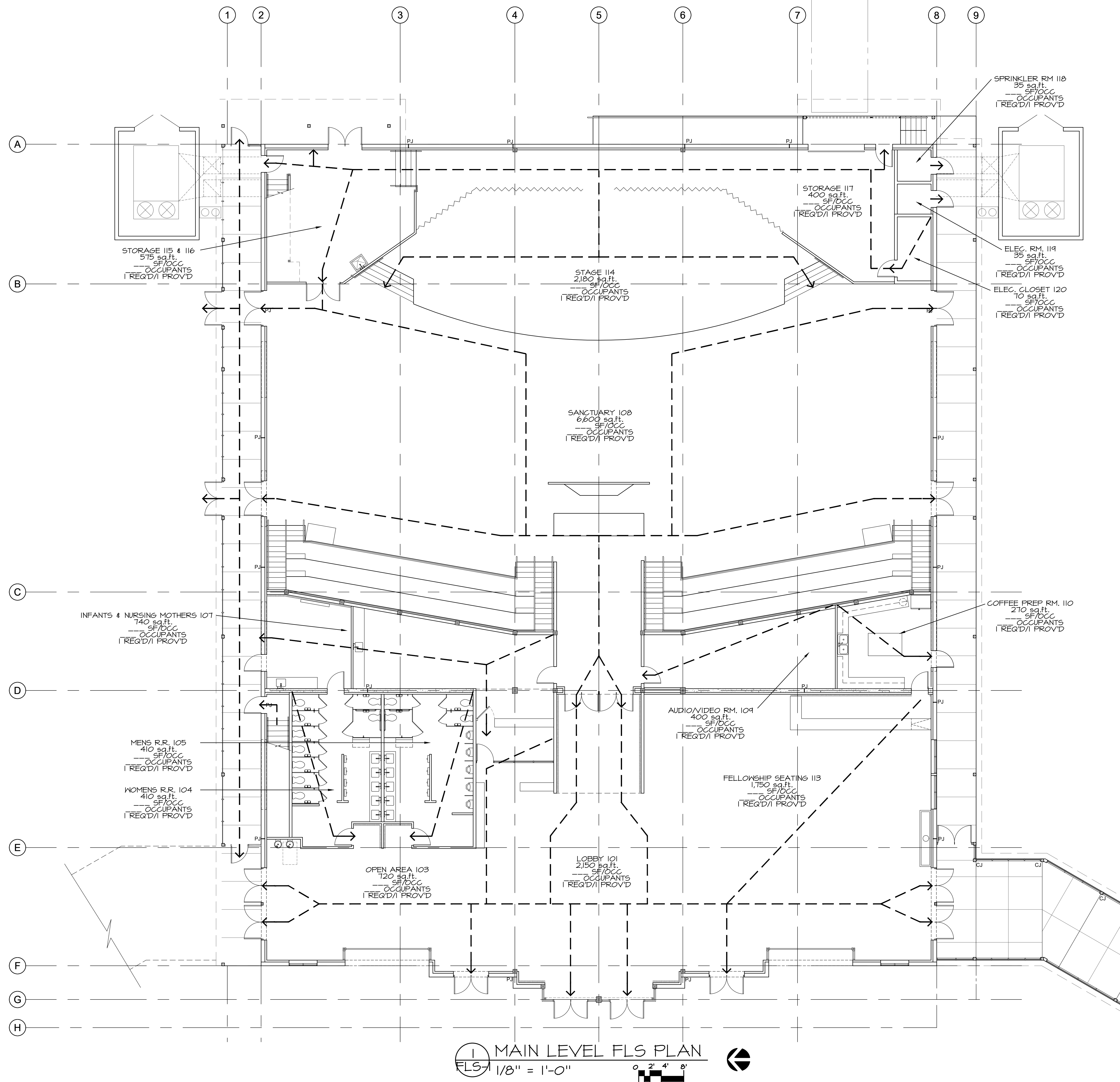
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TOTAL	367
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NEW CENTRAL PARKING LOT	110
TOTAL PROVIDED	367

PERMIT SET

Revisions

Drawn By	Checked By
TA	DB
Issue Date	Nov. 30, 2023
Drawn By Name	Horizon Sanctuary
Sheet Number	

A1.3



FLS-1 MAIN LEVEL FLS PLAN
 1/8" = 1'-0"
 0 2 4 8'

GENERAL NOTES:

1. GENERAL CONTRACTOR SHALL REVIEW ALL SITE CONDITIONS AND CONSTRUCTION DOCUMENTS PRIOR TO COMMENCING WORK. REPORT ANY DISCREPANCIES IN THE PROPOSED WORK TO THE ARCHITECT IMMEDIATELY. PROCEED ONLY AFTER WRITTEN CLARIFICATIONS ARE SUBMITTED.

KEY NOTES:

NOTE:
 SOME NOTES DO NOT APPLY TO EACH SHEET

EGRESS PLAN NOTES:

OCCUPANT LOAD < 49 REQUIRES (1) EXIT - PROVIDED
 MEANS OF EGRESS, INCLUDING THE EXIT DISCHARGE, SHALL BE ILLUMINATED AT ALL TIMES THE BUILDING SPACE SERVED BY THE MEANS OF EGRESS IS OCCUPIED.
 PATH OF EGRESS ILLUMINATION - MEANS OF EGRESS ILLUMINATION SHALL NOT BE LESS THAN 1 FOOT-CANDLE (1 LUX) AT THE FLOOR LEVEL. THE POWER SUPPLY FOR THE MEANS OF EGRESS ILLUMINATION SHALL NORMALLY BE PROVIDED BY THE PREMISES ELECTRICAL SUPPLY. IN THE EVENT OF A POWER FAILURE, THE EMERGENCY POWER SYSTEM SHALL PROVIDE POWER FOR A DURATION OF NOT LESS THAN 90 MINUTES AND SHALL CONSIST OF STORAGE BATTERIES, UNIT EQUIPMENT, OR AN ON SITE GENERATOR. THE INSTALLATION OF THE EMERGENCY POWER SYSTEM SHALL BE IN ACCORDANCE WITH 2014 O.S.S.C. SECTION 2102, PER 2014 O.S.S.C. SECTION 1006

EGRESS SUMMARY:

- 1. TRAVEL DISTANCE LIMITATIONS (SECTION 1017)
 EXITS SHALL BE SO LOCATED ON EACH STORY SUCH THAT THE MAXIMUM LENGTH OF EXIT ACCESS TRAVEL, MEASURED FROM THE MOST REMOTE POINT WITHIN A STORY TO THE ENTRANCE TO AN EXIT ALONG THE NATURAL AND UNOBSTRUCTED PATH OF EGRESS TRAVEL, SHALL NOT EXCEED 300 FEET. (SEE TABLE 1017.2)
 COMPLIANCE: MAXIMUM TRAVEL DISTANCE - 210 FEET
- 2. EXIT OR EXIT ACCESS DOORWAYS REQUIRED (SECTION 1006)
 TWO EXITS OR EXIT ACCESS DOORWAYS FROM ANY SPACE SHALL BE PROVIDED THE OCCUPANT LOAD OF THE SPACE EXCEEDS 49. (SEE TABLE 1006.2.1)
 COMPLIANCE: EXIT DOORS REQUIRED - 1
 COMPLIANCE: EXIT DOORS PROVIDED - 1
- 3. ONE EXIT OR EXIT ACCESS DOORWAYS.
 WHERE A BUILDING IS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.3.1.1 OR 903.3.1.2, THE SEPARATION DISTANCE OF THE EXIT DOORS OR EXIT ACCESS DOORWAYS SHALL NOT BE LESS THEN ONE-THIRD OF THE LENGTH OF THE MAXIMUM OVERALL DIMENSION DIMENSION OF THE AREA SERVED.
 COMPLIANCE: MAXIMUM SEPARATION REQUIRED - N/A
 COMPLIANCE: MAXIMUM SEPARATION PROVIDED - N/A



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MAIN LEVEL FLS PLAN
 HORIZON COMMUNITY CHURCH
 23620 SW BOONES FERRY Rd.
 TUALATIN, OR

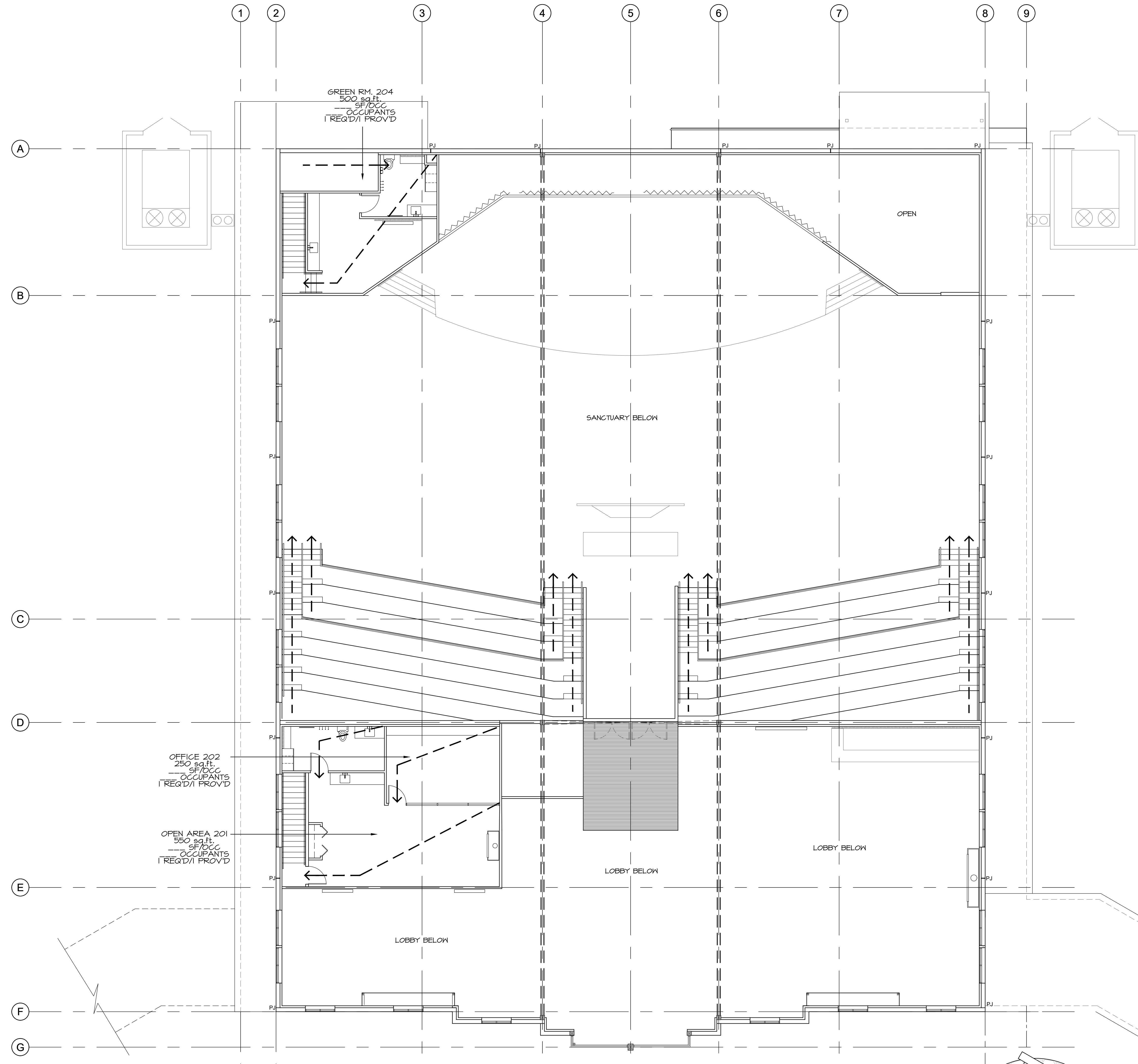


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Horizon Sanctuary	
Sheet Number	

FLS-1

PERMIT SET



1 UPPER LEVEL FLS PLAN
 FLS-2 1/8" = 1'-0"

GENERAL NOTES:

1. GENERAL CONTRACTOR SHALL REVIEW ALL SITE CONDITIONS AND CONSTRUCTION DOCUMENTS PRIOR TO COMMENCING WORK. REPORT ANY DISCREPANCIES IN THE PROPOSED WORK TO THE ARCHITECT IMMEDIATELY. PROCEED ONLY AFTER WRITTEN CLARIFICATIONS ARE SUBMITTED.

KEY NOTES:

NOTE:
 SOME NOTES DO NOT APPLY TO EACH SHEET

EGRESS PLAN NOTES:

OCCUPANT LOAD < 49 REQUIRES (1) EXIT - PROVIDED
 MEANS OF EGRESS, INCLUDING THE EXIT DISCHARGE, SHALL BE ILLUMINATED AT ALL TIMES THE BUILDING SPACE SERVED BY THE MEANS OF EGRESS IS OCCUPIED.
 PATH OF EGRESS ILLUMINATION - MEANS OF EGRESS ILLUMINATION SHALL NOT BE LESS THAN 1 FOOT-CANDLE (1 LUX) AT THE FLOOR LEVEL. THE POWER SUPPLY FOR THE MEANS OF EGRESS ILLUMINATION SHALL NORMALLY BE PROVIDED BY THE PREMISES ELECTRICAL SUPPLY. IN THE EVENT OF A POWER FAILURE, THE EMERGENCY POWER SYSTEM SHALL PROVIDE POWER FOR A DURATION OF NOT LESS THAN 90 MINUTES AND SHALL CONSIST OF STORAGE BATTERIES, UNIT EQUIPMENT, OR AN ON SITE GENERATOR. THE INSTALLATION OF THE EMERGENCY POWER SYSTEM SHALL BE IN ACCORDANCE WITH 2014 O.S.C. SECTION 2102, PER 2014 O.S.C. SECTION 1006

EGRESS SUMMARY:

- TRAVEL DISTANCE LIMITATIONS, (SECTION 1017)
 EXITS SHALL BE SO LOCATED ON EACH STORY SUCH THAT THE MAXIMUM LENGTH OF EXIT ACCESS TRAVEL, MEASURED FROM THE MOST REMOTE POINT WITHIN A STORY TO THE ENTRANCE TO AN EXIT ALONG THE NATURAL AND UNOBSTRUCTED PATH OF EGRESS TRAVEL, SHALL NOT EXCEED 300 FEET. (SEE TABLE 1017.2)
 COMPLIANCE: MAXIMUM TRAVEL DISTANCE - 210 FEET
- EXIT OR EXIT ACCESS DOORWAYS REQUIRED (SECTION 1006)
 TWO EXITS OR EXIT ACCESS DOORWAYS FROM ANY SPACE SHALL BE PROVIDED THE OCCUPANT LOAD OF THE SPACE EXCEEDS 49, (SEE TABLE 1006.2.1)
 COMPLIANCE: EXIT DOORS REQUIRED - 1
 COMPLIANCE: EXIT DOORS PROVIDED - 1
- ONE EXIT OR EXIT ACCESS DOORWAYS,
 WHERE A BUILDING IS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.3.1.1 OR 903.3.1.2,
 THE SEPARATION DISTANCE OF THE EXIT DOORS OR EXIT ACCESS DOORWAYS SHALL NOT BE LESS THAN ONE-THIRD OF THE LENGTH OF THE MAXIMUM OVERALL DIMENSION OF THE AREA SERVED.
 COMPLIANCE: MAXIMUM SEPARATION REQUIRED - N/A
 COMPLIANCE: MAXIMUM SEPARATION PROVIDED - N/A



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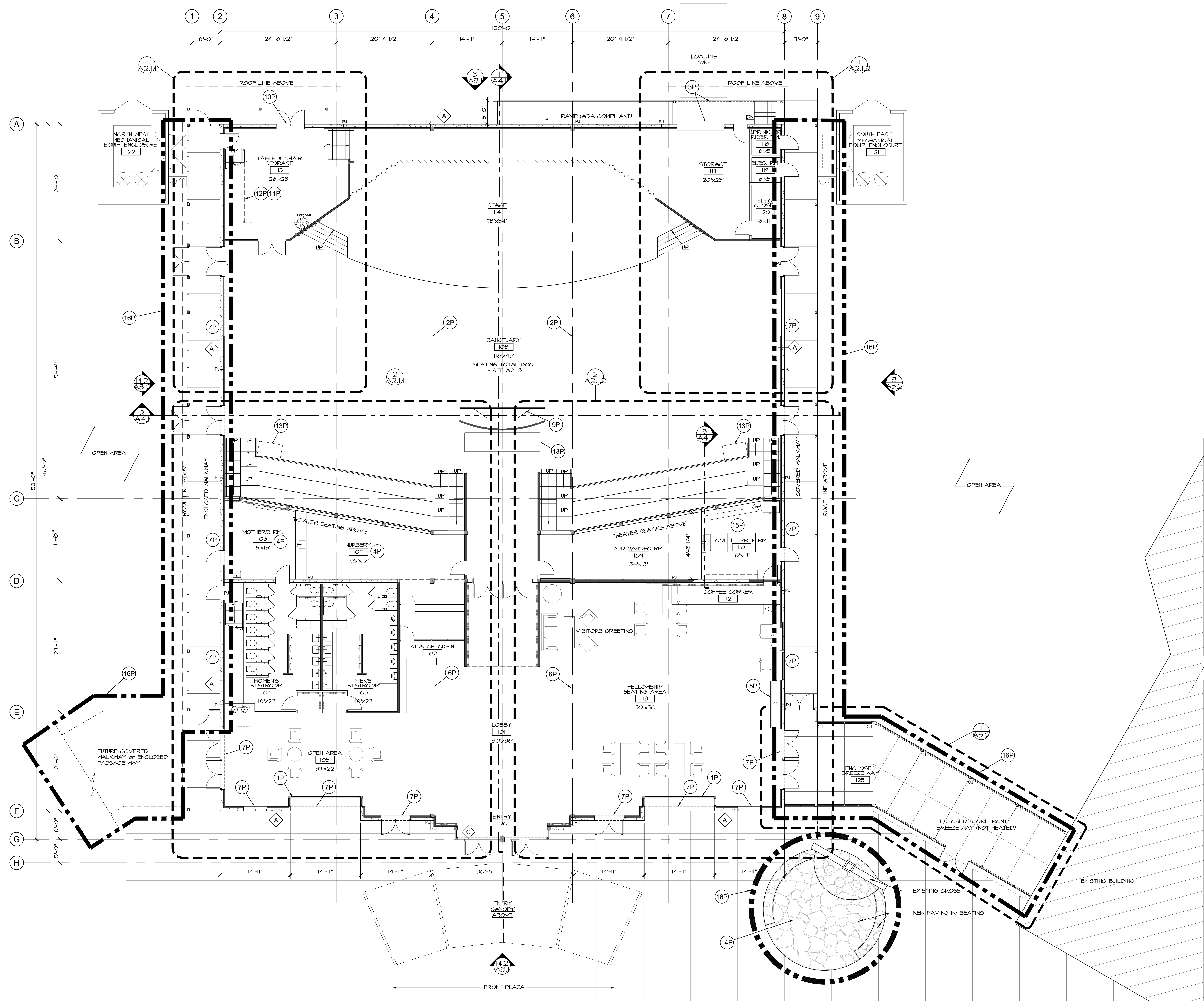
UPPER LEVEL FLS PLAN
 HORIZON COMMUNITY CHURCH
 23620 SW BOONES FERRY Rd.
 TUALATIN, OR



Revisions	

Drawn By: TA
 Checked By: DB
 Issue Date: Nov. 30, 2023
 Drawing File Name: Horizon Sanctuary

Sheet Number
FLS-2

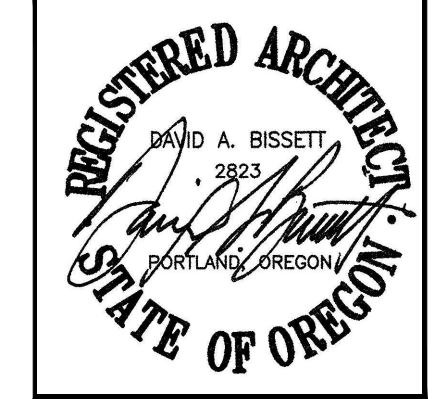


1 MAIN LEVEL FLOOR PLAN
 A2.1 1/8" = 1'-0"

GENERAL NOTES:	
1. DEFERRED SUBMITTALS SHALL BE SUBMITTED TO THE ARCHITECT FOR REVIEW PER OSSC 106.3.4.2.	
DEFERRED SUBMITTALS (BIDDER DESIGN)	
BUILDING AREA SUMMARY:	
MAIN LEVEL (BLDG. FOOTPRINT) (1)	17,710 sq.ft.
UPPER LEVEL OFFICE/MEETINGS AREA (2)	448 sq.ft.
UPPER LEVEL GREEN RM. (2)	262 sq.ft.
TOTAL BUILDING AREA	18,268 sq.ft.
SOUTH ENCLOSED BREEZEWAY (ALT.) (5)	1,040 sq.ft.
NORTH ENCLOSED WALKWAY (ALT.) (3)	710 sq.ft.
SOUTH COVERED WALKWAY (ALT.) (4)	786 sq.ft.
FOOTNOTES:	
(1) MAIN LEVEL AREA MEASURED TO OUTSIDE FACE OF EXTERIOR WALLS (GROSS BLDG. FOOTPRINT). ALL MAIN LEVEL INTERIOR SPACES INCLUDED PER FLOOR PLAN (LOBBY, RESTROOMS, COFFEE PREP, AUDIO/VIDEO RM., INFANTS/NURSING/BATH RM., SANCTUARY, STAGE, TABLE/CHAIR STORAGE, STORAGE, ELEC. CLOSET, ELEC. RM. & SPRINKLER RISER RM.). SPECIAL FEATURES FOR RAISED SANCTUARY THEATER SEATING AND ENTRY CANOPY ARE INCLUDED BUT THEIR RESPECTIVE SQ.FT. AREA'S ARE NOT ADDED TO THE SQ. FT. NOTED.	
(2) UPPER LEVEL AREAS MEASURED TO INSIDE FACE OF PERIMETER WALLS AND INCLUDE STAIRWAYS SERVING EACH AREA (NET AREA).	
(3) NORTH ENCLOSED WALKWAY MEASURED TO OUTSIDE PERIMETER LINE AND DOES NOT INCLUDE COVERED BUT NOT ENCLOSED AREAS AT EAST & WEST ENDS OF ENCLOSED WALKWAY (GROSS ENCLOSED AREA). THIS IS AN ALTERNATE COST ITEM AND IS THEREFORE SEPARATED FROM THE TOTAL BLDG. AREA NOTED.	
(4) SOUTH COVERED WALKWAY MEASURED TO OUTSIDE PERIMETER LINE AND DOES NOT INCLUDE COVERED AREA ON THE EAST SIDE OF BLDG. OR THE ENCLOSED BREEZEWAY AT THE WEST END OF THE COVERED WALKWAY (GROSS AREA). THIS IS AN ALTERNATE COST ITEM AND IS THEREFORE SEPARATED FROM THE TOTAL BLDG. AREA NOTED.	
(5) SOUTH ENCLOSED BREEZEWAY MEASURED TO OUTSIDE PERIMETER LINE AND DOES NOT INCLUDE COVERED WALKWAY AT THE NE CORNER OF THE ENCLOSED BREEZEWAY. THIS IS AN ALTERNATE COST ITEM AND IS THEREFORE SEPARATED FROM THE TOTAL BLDG. AREA NOTED.	

KEY NOTES:	
NOTE: SOME KEY NOTES DO NOT APPLY TO EACH SHEET.	
1P	ROLL-UP GLASS PANEL GARAGE DOORS or FOLDING WALL SYSTEM.
2P	INDICATION FOR INTERIOR ACOUSTIC PANELS.
3P	ROLL-UP GARAGE DOOR w/ RAISED LANDING & REMOVABLE GUARDRAIL FOR LOADING.
4P	NURSERY & MOTHER'S ROOM w/ CHANGING TABLE. UNDER THEATER SEATING.
5P	LARGE FIREPLACE w/ MONITOR
6P	CLEARSTORY WINDOWS & ROOF ABOVE
7P	HIGH WINDOWS - SEE ELEVATIONS
8P	SOFFIT CEILING/PLENUM LINE
9P	AUDIO BOOTH
10P	STOREFRONT TO MATCH GARAGE ROLL-UP @ OPP. SIDE.
11P	ROUGH PLUMB FOR GREEN RM. ABOVE.
12P	GREEN RM. ABOVE
13P	CAMERA PLATFORMS
14P	BAPTISMAL - ALTERNATE COST
15P	COFFEE & FOOD PREP. UNDER THEATER SEATING.
16P	WALKWAYS, BREEZEWAY & BAPTISMAL ALTERNATE COST.

WALL TYPES:	
A	TYP. EXTERIOR WALL: TILT-UP CONC. WALL (SEE STRUCTURAL), 3 5/8" 25 GA GALV. STEEL STUDS @ 24" O.C. w/ R-21 BATT INSULATION & 5/8" GYP. BD. OVER POLY VAPOR BARRIER
B	CLEAR STORY WALL: 2x6 STEEL STUDS @ 24" O.C. w/ R-21 BATT INSULATION & 5/8" GYP. BD. INTERIOR SIDE. WATERPROOFING, SHEATHING PER STRUCTURAL & HARDIE REVEL SYSTEM PANELS EXTERIOR SIDE.
C	WINDOW WALL: STEEL FRAMING PER STRUCTURAL
F	NON-RATED INTERIOR WALL: 3 5/8" STEEL STUDS (SEE DETAIL 16/A,B.) FOR GAGE & STUD SPACING), w/ SOUND BATT INSULATION & 5/8" GYP. BD. BOTH SIDES TO CEILING (SEE DETAIL 16/A,B.) FOR BRACING).
G	TYP. NON-RATED INTERIOR WALL: 3 5/8" STEEL STUDS (SEE DETAIL 16/A,B.) FOR GAGE & STUD SPACING), w/ SOUND BATT INSULATION & 5/8" GYP. BD. BOTH SIDES TO UNDERSIDE OF STRUCTURE.
H	NON-RATED PARTIAL HT. WALL: 6" STEEL STUDS (SEE DETAIL 16/A,B.) FOR GAGE & STUD SPACING), w/ 5/8" GYP. BD. BOTH SIDES (BRACE TO ADJACENT FULL HT. WALL).
J	1 HOUR RATED INTERIOR WALL: 6" STEEL STUDS (SEE DETAIL 16/A,B.) FOR GAGE & STUD SPACING), w/ SOUND BATT INSULATION & 5/8" TYPE 'X' GYP. BD. BOTH SIDES TO UNDERSIDE OF STRUCTURE. SEE DETAIL 17/A,B.)
K	PLUMBING WALL: NON-RATED PARTIAL HT. WALL: 6" STEEL STUDS (SEE DETAIL 16/A,B.) FOR GAGE & STUD SPACING), w/ 5/8" GYP. BD. BOTH SIDES (BRACE TO ADJACENT FULL HT. WALL).
M	SHEAR WALL: SEE STRUCTURAL
N	WOOD SLAT WALL
P	STOREFRONT



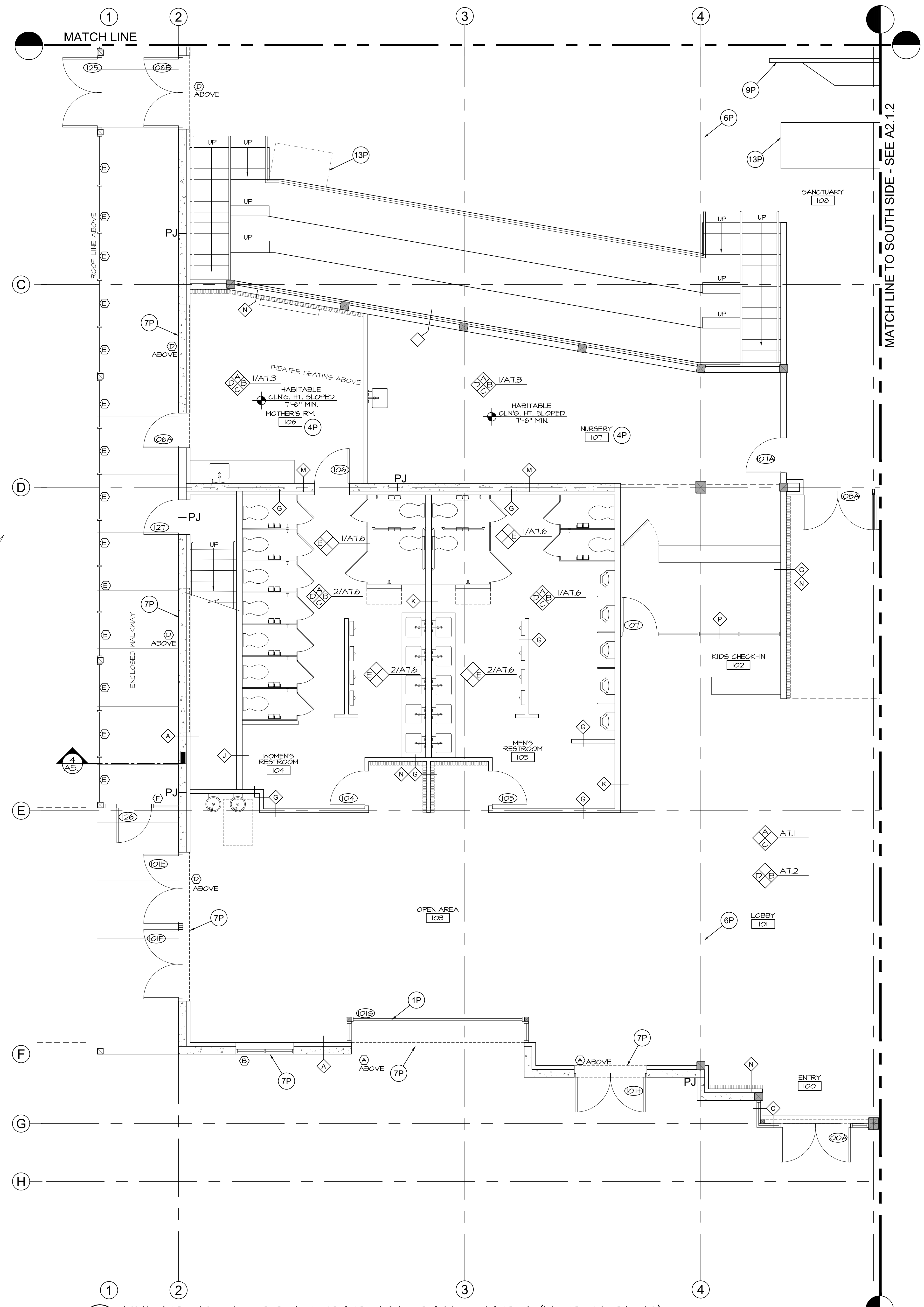
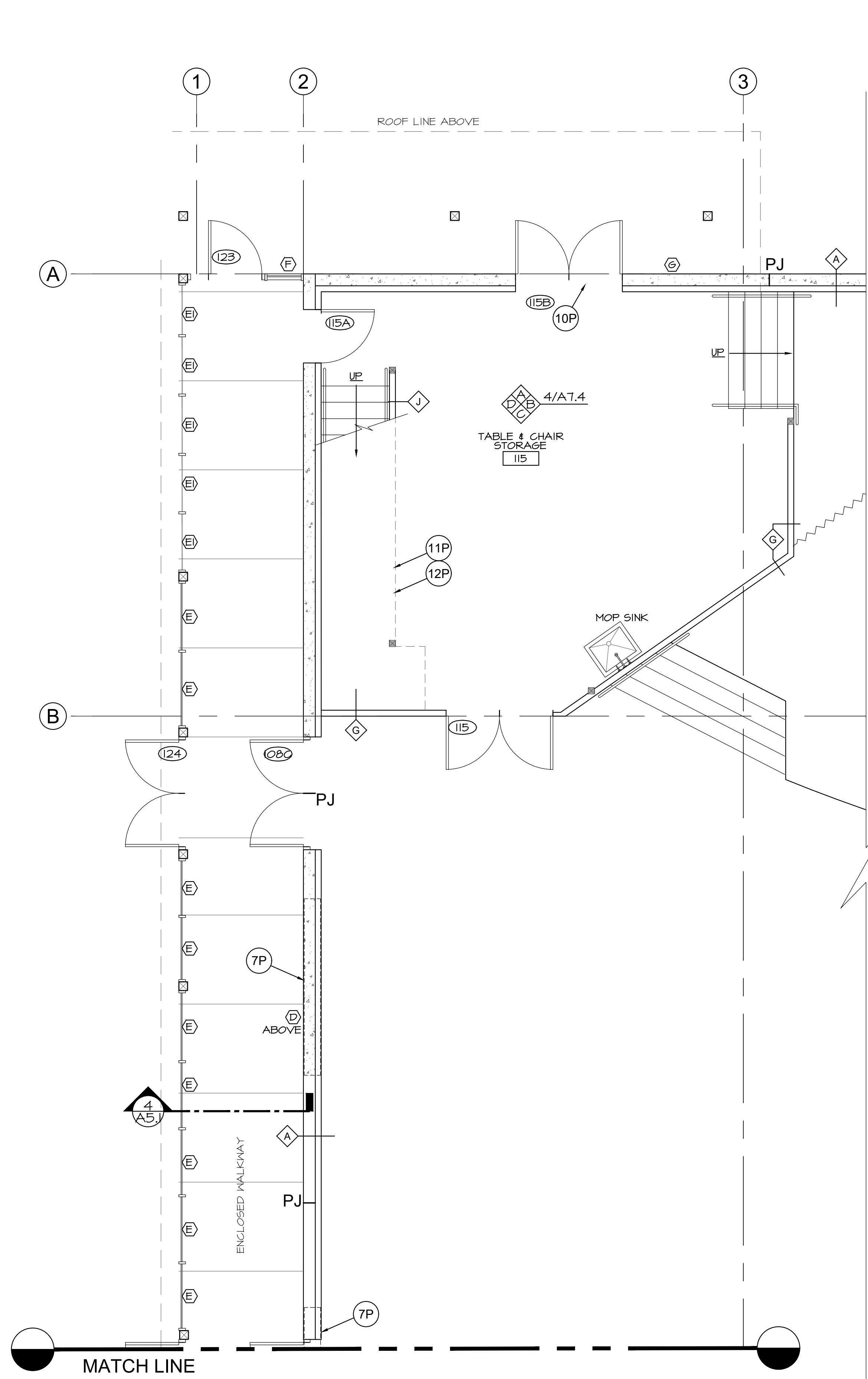
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MAIN LEVEL FLOOR PLAN
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Revisions

Drawn By	Checked By
TA	DB
Issue Date	Nov. 30, 2023
Drawing File Name	Horizon Sanctuary
Sheet Number	A2.1



1 ENLARGED NORTH EAST AREA
A2.1 1/4" = 1'-0"

2 ENLARGED LOBBY & PARTIAL SANCTUARY (NORTH SIDE)
A2.1 1/4" = 1'-0"

GENERAL NOTES:

- DEFERRED SUBMITTALS SHALL BE SUBMITTED TO THE ARCHITECT FOR REVIEW PER OSSC 106.3.4.2.

DEFERRED SUBMITTALS (BIDDER DESIGN)

BUILDING AREA SUMMARY:

MAIN LEVEL (BLDG. FOOTPRINT) (1)	17,710 sq.ft.
UPPER LEVEL OFFICE/MEETINGS AREA (2)	498 sq.ft.
UPPER LEVEL GREEN RM. (2)	362 sq.ft.
TOTAL BUILDING AREA	18,570 sq.ft.

SOUTH ENCLOSED BREEZEWAY (ALT.) (5)	1,040 sq.ft.
NORTH ENCLOSED WALKWAY (ALT.) (3)	710 sq.ft.
SOUTH COVERED WALKWAY (ALT.) (4)	786 sq.ft.

FOOTNOTES:

- MAIN LEVEL AREA MEASURED TO OUTSIDE FACE OF EXTERIOR WALLS (GROSS BLDG. FOOTPRINT). ALL MAIN LEVEL INTERIOR SPACES INCLUDED PER FLOOR PLAN (LOBBY, RESTROOMS, COFFEE PREP, AUDIO/VIDEO RM., INFANTS/NURSING/BATH RM., SANCTUARY, STAGE, TABLE/CHAIR STORAGE, STORAGE, ELEC. CLOSET, ELEC. RM. & SPRINKLER RISER RM.). SPECIAL FEATURES FOR RAISED SANCTUARY THEATER SEATING AND ENTRY CANOPY ARE INCLUDED BUT THEIR RESPECTIVE SQ.FT. AREA'S ARE NOT ADDED TO THE SQ. FT. NOTED.
- UPPER LEVEL AREAS MEASURED TO INSIDE FACE OF PERIMETER WALLS AND INCLUDE STAIRWAYS SERVING EACH AREA (NET AREA).
- NORTH ENCLOSED WALKWAY MEASURED TO OUTSIDE PERIMETER LINE AND DOES NOT INCLUDE COVERED BUT NOT ENCLOSED AREAS AT EAST & WEST ENDS OF ENCLOSED WALKWAY (GROSS ENCLOSED AREA). THIS IS AN ALTERNATE COST ITEM AND IS THEREFORE SEPARATED FROM THE TOTAL BLDG. AREA NOTED.
- SOUTH COVERED WALKWAY MEASURED TO OUTSIDE PERIMETER LINE AND DOES NOT INCLUDE COVERED AREA ON THE EAST SIDE OF BLDG. OR THE ENCLOSED BREEZEWAY AT THE WEST END OF THE COVERED WALKWAY (GROSS AREA). THIS IS AN ALTERNATE COST ITEM AND IS THEREFORE SEPARATED FROM THE TOTAL BLDG. AREA NOTED.
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KEY NOTES:

NOTE: SOME KEY NOTES DO NOT APPLY TO EACH SHEET.

- 1P ROLL-UP GLASS PANEL GARAGE DOORS OR FOLDING WALL SYSTEM.
- 2P INDICATION FOR INTERIOR ACOUSTIC PANELS.
- 3P ROLL-UP GARAGE DOOR W/ RAISED LANDING & REMOVABLE GUARDRAIL FOR LOADING.
- 4P NURSERY & MOTHER'S ROOM W/ CHANGING TABLE. UNDER THEATER SEATING.
- 5P LARGE FIREPLACE W/ MONITOR
- 6P CLEARSTORY WINDOWS & ROOF ABOVE
- 7P HIGH WINDOWS - SEE ELEVATIONS
- 8P SOFFIT CEILING/PLENUM LINE
- 9P AUDIO BOOTH
- 10P STOREFRONT TO MATCH GARAGE ROLL-UP @ OPP. SIDE.
- 11P ROUGH PLUMB FOR GREEN RM. ABOVE.
- 12P GREEN RM. ABOVE
- 13P CAMERA PLATFORMS
- 14P BAPTISMAL - ALTERNATE COST
- 15P COFFEE & FOOD PREP. UNDER THEATER SEATING.
- 16P WALKWAYS, BREEZEWAY & BAPTISMAL ALTERNATE COST.

WALL TYPES:

- A TYP. EXTERIOR WALL: TILT-UP CONC. WALL (SEE STRUCTURAL), 3 5/8" 25 GA GALV. STEEL STUDS @ 24" O.C. W/ R-21 BATT INSULATION & 5/8" GYP. BD. OVER POLY VAPOR BARRIER
- B CLEAR STORY WALL: 2x6 STEEL STUDS @ 24" O.C. W/ R-21 BATT INSULATION & 5/8" GYP. BD. INTERIOR SIDE. WATERPROOFING, SHEATHING PER STRUCTURAL & HARDIE REVEL SYSTEM PANELS EXTERIOR SIDE.
- C WINDOW WALL: STEEL FRAMING PER STRUCTURAL
- F NON-RATED INTERIOR WALL: 3 5/8" STEEL STUDS (SEE DETAIL 16/AB.1 FOR GAGE & STUD SPACING), W/ SOUND BATT INSULATION & 5/8" GYP. BD. BOTH SIDES TO CEILING (SEE DETAIL 15/AB.1 FOR BRACING).
- G TYP. NON-RATED INTERIOR WALL: 3 5/8" STEEL STUDS (SEE DETAIL 16/AB.1 FOR GAGE & STUD SPACING), W/ SOUND BATT INSULATION & 5/8" GYP. BD. BOTH SIDES TO UNDERSIDE OF STRUCTURE.
- H NON-RATED PARTIAL HT. WALL: 6" STEEL STUDS (SEE DETAIL 16/AB.1 FOR GAGE & STUD SPACING), W/ 5/8" GYP. BD. BOTH SIDES (BRACE TO ADJACENT FULL HT. WALL).
- J 1 HOUR RATED INTERIOR WALL: 6" STEEL STUDS (SEE DETAIL 16/AB.1 FOR GAGE & STUD SPACING), W/ SOUND BATT INSULATION & 5/8" TYPE 'X' GYP. BD. BOTH SIDES TO UNDERSIDE OF STRUCTURE. SEE DETAIL 17/AB.1
- K PLUMBING WALL: NON-RATED PARTIAL HT. WALL: 6" STEEL STUDS (SEE DETAIL 16/AB.1 FOR GAGE & STUD SPACING), W/ 5/8" GYP. BD. BOTH SIDES (BRACE TO ADJACENT FULL HT. WALL).
- M SHEAR WALL: SEE STRUCTURAL
- N WOOD SLAT WALL
- P STOREFRONT

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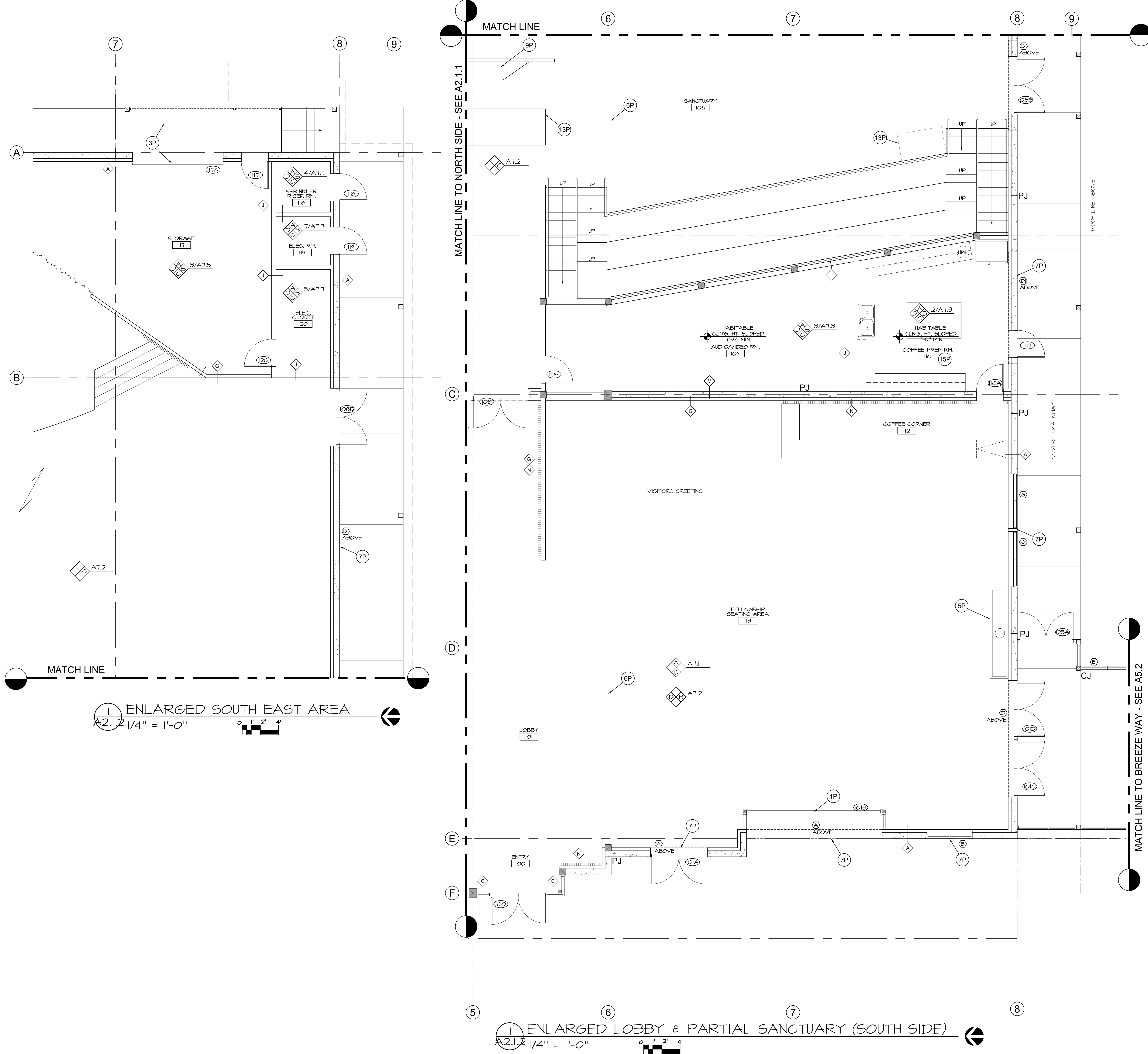
horizon
 community church

Revisions

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Sheet Number	
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horizon community church

Revisions
Drawn By: TA
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Issue Date: Nov. 30, 2023
Drawing File Name: Horizon Sanctuary
Sheet Number:

A2.1.2

GENERAL NOTES:

1. DEFERRED SUBMITTALS SHALL BE SUBMITTED TO THE ARCHITECT FOR REVIEW PER OSSC 106.3.4.2.
DEFERRED SUBMITTALS (BIDDER DESIGN)

BUILDING AREA SUMMARY:

MAIN LEVEL (BLDG. FOOTPRINT) (1)	17,710 sq.ft.
UPPER LEVEL OFFICE/MEETINGS AREA (2)	448 sq.ft.
UPPER LEVEL GREEN RM. (2)	362 sq.ft.
TOTAL BUILDING AREA	18,520 sq.ft.

SOUTH ENCLOSED BREEZEWAY (ALT.) (5) 1,040 sq.ft.
NORTH ENCLOSED WALKWAY (ALT.) (8) 710 sq.ft.
SOUTH COVERED WALKWAY (ALT.) (4) 786 sq.ft.

FOOTNOTES:

(1) MAIN LEVEL AREA MEASURED TO OUTSIDE FACE OF EXTERIOR WALLS (GROSS BLDG. FOOTPRINT). ALL MAIN LEVEL INTERIOR SPACES INCLUDED PER FLOOR PLAN (LOBBY, RESTROOMS, COFFEE PREP, AUDIO/VIDEO RM., INFANTS/NURSING/BATH RM., SANCTUARY, STAGE, TABLE/CHAIR STORAGE, STORAGE, ELEC. CLOSET, ELEC. RM. & SPRINKLER RISER RM.). SPECIAL FEATURES FOR RAISED SANCTUARY THEATER SEATING AND ENTRY CANOPY ARE INCLUDED BUT THEIR RESPECTIVE SQ.FT. AREA'S ARE NOT ADDED TO THE SQ. FT. NOTED.

(2) UPPER LEVEL AREAS MEASURED TO INSIDE FACE OF PERIMETER WALLS AND INCLUDE STAIRWAYS SERVING EACH AREA (NET AREA).

(3) NORTH ENCLOSED WALKWAY MEASURED TO OUTSIDE PERIMETER LINE AND DOES NOT INCLUDE COVERED BUT NOT ENCLOSED AREAS AT EAST & WEST ENDS OF ENCLOSED WALKWAY (GROSS ENCLOSED AREA). THIS IS AN ALTERNATE COST ITEM AND IS THEREFORE SEPARATED FROM THE TOTAL BLDG. AREA NOTED.

(4) SOUTH COVERED WALKWAY MEASURED TO OUTSIDE PERIMETER LINE AND DOES NOT INCLUDE COVERED AREA ON THE EAST SIDE OF BLDG. OR THE ENCLOSED BREEZEWAY AT THE WEST END OF THE COVERED WALKWAY (GROSS AREA). THIS IS AN ALTERNATE COST ITEM AND IS THEREFORE SEPARATED FROM THE TOTAL BLDG. AREA NOTED.

(5) SOUTH ENCLOSED BREEZEWAY MEASURED TO OUTSIDE PERIMETER LINE AND DOES NOT INCLUDE COVERED WALKWAY AT THE NE CORNER OF THE ENCLOSED BREEZEWAY. THIS IS AN ALTERNATE COST ITEM AND IS THEREFORE SEPARATED FROM THE TOTAL BLDG. AREA NOTED.

KEY NOTES:

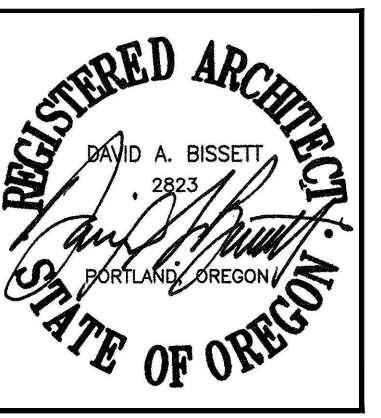
NOTE: SOME KEY NOTES DO NOT APPLY TO EACH SHEET.

- 1P ROLL-UP GLASS PANEL GARAGE DOORS or FOLDING WALL SYSTEM.
- 2P INDICATION FOR INTERIOR ACOUSTIC PANELS.
- 3P ROLL-UP GARAGE DOOR w/ RAISED LANDING & REMOVABLE GUARDRAIL FOR LOADING.
- 4P NURSERY & MOTHER'S ROOM w/ CHANGING TABLE. UNDER THEATER SEATING.
- 5P LARGE FIREPLACE w/ MONITOR
- 6P CLEARSTORY WINDOWS & ROOF ABOVE
- 7P HIGH WINDOWS - SEE ELEVATIONS
- 8P SOFFIT CEILING/PLENUM LINE
- 9P AUDIO BOOTH
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- 15P COFFEE & FOOD PREP. UNDER THEATER SEATING.
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WALL TYPES:

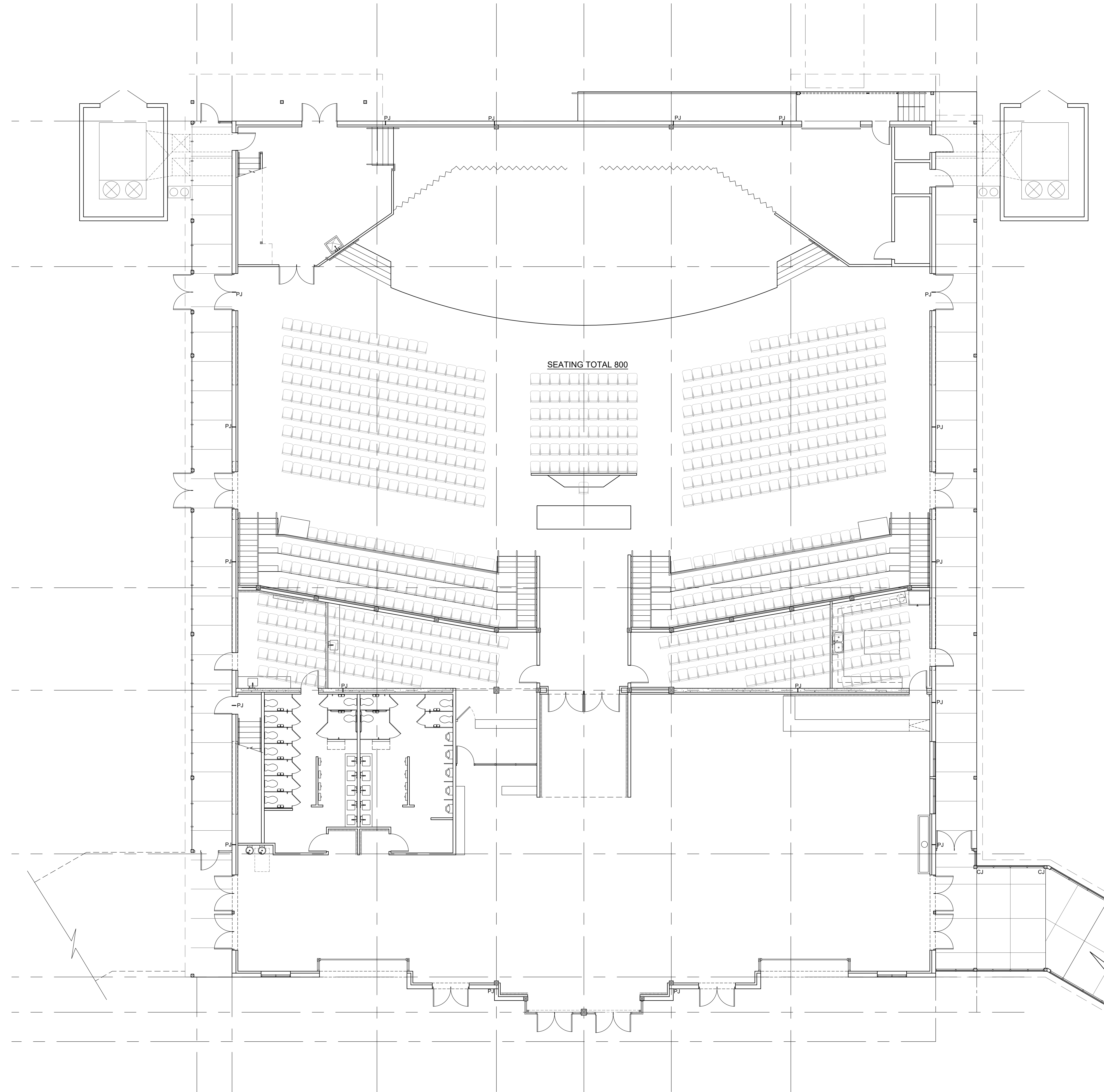
- A TYP. EXTERIOR WALL: TILT-UP CONG. WALL (SEE STRUCTURAL); 3 5/8" 25 GA GALV. STEEL STUDS @ 24" O.C. w/ R-21 BATT INSULATION & 5/8" GYP. BD. OVER POLY VAPOR BARRIER
- B CLEAR STORY WALL: 2x6 STEEL STUDS @ 24" O.C. w/ R-21 BATT INSULATION & 5/8" GYP. BD. INTERIOR SIDE. WATERPROOFING, SHEATHING PER STRUCTURAL & HARDIE REVEL SYSTEM PANELS EXTERIOR SIDE.
- C WINDOW WALL: STEEL FRAMING PER STRUCTURAL
- F NON-RATED INTERIOR WALL: 3 5/8" STEEL STUDS (SEE DETAIL 16/AS.1 FOR GAGE & STUD SPACING), w/ SOUND BATT INSULATION & 5/8" GYP. BD. BOTH SIDES TO CEILING (SEE DETAIL 15/AS.1 FOR BRACING).
- G TYP. NON-RATED INTERIOR WALL: 3 5/8" STEEL STUDS (SEE DETAIL 16/AS.1 FOR GAGE & STUD SPACING), w/ SOUND BATT INSULATION & 5/8" GYP. BD. BOTH SIDES TO UNDERSIDE OF STRUCTURE.
- H NON-RATED PARTIAL HT. WALL: WALL: 6" STEEL STUDS (SEE DETAIL 16/AS.1 FOR GAGE & STUD SPACING), w/ 5/8" GYP. BD. BOTH SIDES (BRACE TO ADJACENT FULL HT. WALL).
- J 1 HOUR RATED INTERIOR WALL: 6" STEEL STUDS (SEE DETAIL 16/AS.1 FOR GAGE & STUD SPACING), w/ SOUND BATT INSULATION & 5/8" TYPE 'X' GYP. BD. BOTH SIDES TO UNDERSIDE OF STRUCTURE. SEE DETAIL 17/AS.1
- K PLUMBING WALL: NON-RATED PARTIAL HT. WALL: WALL: 6" STEEL STUDS (SEE DETAIL 16/AS.1 FOR GAGE & STUD SPACING), w/ 5/8" GYP. BD. BOTH SIDES (BRACE TO ADJACENT FULL HT. WALL).
- M SHEAR WALL: SEE STRUCTURAL
- N WOOD SLAT WALL
- P STOREFRONT

PERMIT SET



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OVERALL SEATING PLAN
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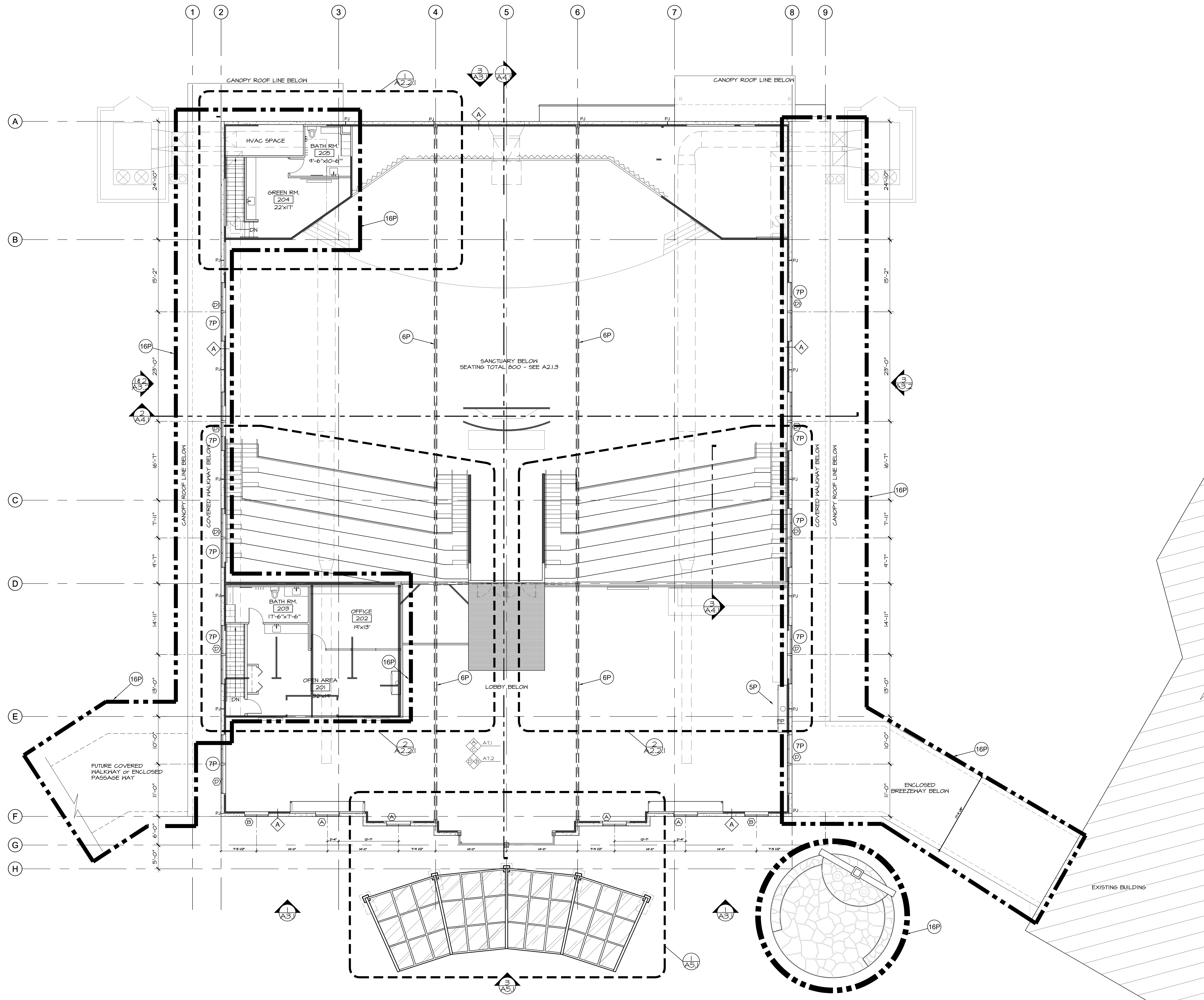
1 OVERALL SEATING PLAN
 A2.1.3 1/8" = 1'-0" 0 2' 4' 8'

Revisions

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 Drawing File Name: Horizon Sanctuary

Sheet Number
A2.1.3

PERMIT SET



1 UPPER LEVEL FLOOR PLAN
 A2.2 1/8" = 1'-0"

GENERAL NOTES:

1. DEFERRED SUBMITTALS SHALL BE SUBMITTED TO THE ARCHITECT FOR REVIEW PER OSSC 106.3.4.2.

DEFERRED SUBMITTALS (BIDDER DESIGN)

BUILDING AREA SUMMARY:

MAIN LEVEL (BLDG. FOOTPRINT) (1)	17,710 sq.ft.
UPPER LEVEL OFFICE/MEETINGS AREA (2)	448 sq.ft.
UPPER LEVEL GREEN RM. (2)	262 sq.ft.
TOTAL BUILDING AREA	18,420 sq.ft.
SOUTH ENCLOSED BREEZEWAY (ALT.) (5)	1,040 sq.ft.
NORTH ENCLOSED WALKWAY (ALT.) (3)	710 sq.ft.
SOUTH COVERED WALKWAY (ALT.) (4)	186 sq.ft.

FOOTNOTES:

(1) MAIN LEVEL AREA MEASURED TO OUTSIDE FACE OF EXTERIOR WALL'S GROSS BLDG. FOOTPRINT. ALL MAIN LEVEL INTERIOR SPACES INCLUDED PER FLOOR PLAN (LOBBY, RESTROOMS, COFFEE PREP, AUDIO/VIDEO RM., INFANTS/NURSING/BATH RM., SANCTUARY, STAGE, TABLE/CHAIR STORAGE, STORAGE, ELEC. CLOSET, ELEC. RM. & SPRINKLER RISER RM.). SPECIAL FEATURES FOR RAISED SANCTUARY THEATER SEATING AND ENTRY CANOPY ARE INCLUDED BUT THEIR RESPECTIVE SQ.FT. AREA'S ARE NOT ADDED TO THE SQ. FT. NOTED.

(2) UPPER LEVEL AREAS MEASURED TO INSIDE FACE OF PERIMETER WALL'S AND INCLUDE STAIRWAYS SERVING EACH AREA (NET AREA).

(3) NORTH ENCLOSED WALKWAY MEASURED TO OUTSIDE PERIMETER LINE AND DOES NOT INCLUDE COVERED BUT NOT ENCLOSED AREAS AT EAST & WEST ENDS OF ENCLOSED WALKWAY (GROSS ENCLOSED AREA). THIS IS AN ALTERNATE COST ITEM AND IS THEREFORE SEPARATED FROM THE TOTAL BLDG. AREA NOTED.

(4) SOUTH COVERED WALKWAY MEASURED TO OUTSIDE PERIMETER LINE AND DOES NOT INCLUDE COVERED AREA ON THE EAST SIDE OF BLDG. OR THE ENCLOSED BREEZEWAY AT THE WEST END OF THE COVERED WALKWAY (GROSS AREA). THIS IS AN ALTERNATE COST ITEM AND IS THEREFORE SEPARATED FROM THE TOTAL BLDG. AREA NOTED.

(5) SOUTH ENCLOSED BREEZEWAY MEASURED TO OUTSIDE PERIMETER LINE AND DOES NOT INCLUDE COVERED WALKWAY AT THE NE CORNER OF THE ENCLOSED BREEZEWAY. THIS IS AN ALTERNATE COST ITEM AND IS THEREFORE SEPARATED FROM THE TOTAL BLDG. AREA NOTED.

KEY NOTES:

NOTE: SOME KEY NOTES DO NOT APPLY TO EACH SHEET.

- 1P ROLL-UP GLASS PANEL GARAGE DOORS OR FOLDING WALL SYSTEM.
- 2P INDICATION FOR INTERIOR ACOUSTIC PANELS.
- 3P ROLL-UP GARAGE DOOR W/ RAISED LANDING & REMOVABLE GUARDRAIL FOR LOADING.
- 4P NURSERY & MOTHER'S ROOM W/ CHANGING TABLE. UNDER THEATER SEATING.
- 5P LARGE FIREPLACE W/ MONITOR
- 6P CLEARSTORY WINDOWS & ROOF ABOVE
- 7P HIGH WINDOWS - SEE ELEVATIONS
- 8P SOFFIT CEILING/PLENUM LINE
- 9P AUDIO BOOTH
- 10P STOREFRONT TO MATCH GARAGE ROLL-UP @ OPP. SIDE.
- 11P ROUGH PLUMB FOR GREEN RM. ABOVE.
- 12P GREEN RM. ABOVE
- 13P CAMERA PLATFORMS
- 14P BAPTISMAL - ALTERNATE COST
- 15P COFFEE & FOOD PREP. UNDER THEATER SEATING.
- 16P WALKWAYS, BREEZEWAY & BAPTISMAL ALTERNATE COST.

WALL TYPES:

- A TYP. EXTERIOR WALL: TILT-UP CONC. WALL (SEE STRUCTURAL), 3 5/8" 25 GA GALV. STEEL STUDS @ 24" O.C. W/ R-21 BATT INSULATION & 5/8" GYP. BD. OVER POLY VAPOR BARRIER
- B CLEAR STORY WALL: 2x6 STEEL STUDS @ 24" O.C. W/ R-21 BATT INSULATION & 5/8" GYP. BD. INTERIOR SIDE. WATERPROOFING, SHEATHING PER STRUCTURAL & HARDIE LEVEL SYSTEM PANELS EXTERIOR SIDE.
- C WINDOW WALL: STEEL FRAMING PER STRUCTURAL
- F NON-RATED INTERIOR WALL: 3 5/8" STEEL STUDS (SEE DETAIL 16/A&J) FOR GAGE & STUD SPACING), W/ SOUND BATT INSULATION & 5/8" GYP. BD. BOTH SIDES TO CEILING (SEE DETAIL 16/A&J) FOR BRACING).
- G TYP. NON-RATED INTERIOR WALL: 3 5/8" STEEL STUDS (SEE DETAIL 16/A&J) FOR GAGE & STUD SPACING), W/ SOUND BATT INSULATION & 5/8" GYP. BD. BOTH SIDES TO UNDERSIDE OF STRUCTURE.
- H NON-RATED PARTIAL HT. WALL: 6" STEEL STUDS (SEE DETAIL 16/A&J) FOR GAGE & STUD SPACING), W/ 5/8" GYP. BD. BOTH SIDES (BRACE TO ADJACENT FULL HT. WALL).
- J 1 HOUR RATED INTERIOR WALL: 6" STEEL STUDS (SEE DETAIL 16/A&J) FOR GAGE & STUD SPACING), W/ SOUND BATT INSULATION & 5/8" TYPE 'X' GYP. BD. BOTH SIDES TO UNDERSIDE OF STRUCTURE. SEE DETAIL 17/A&J
- K PLUMBING WALL: NON-RATED PARTIAL HT. WALL: 6" STEEL STUDS (SEE DETAIL 16/A&J) FOR GAGE & STUD SPACING), W/ 5/8" GYP. BD. BOTH SIDES (BRACE TO ADJACENT FULL HT. WALL).
- M SHEAR WALL: SEE STRUCTURAL
- N WOOD SLAT WALL
- P STOREFRONT

PERMIT SET

A2.2

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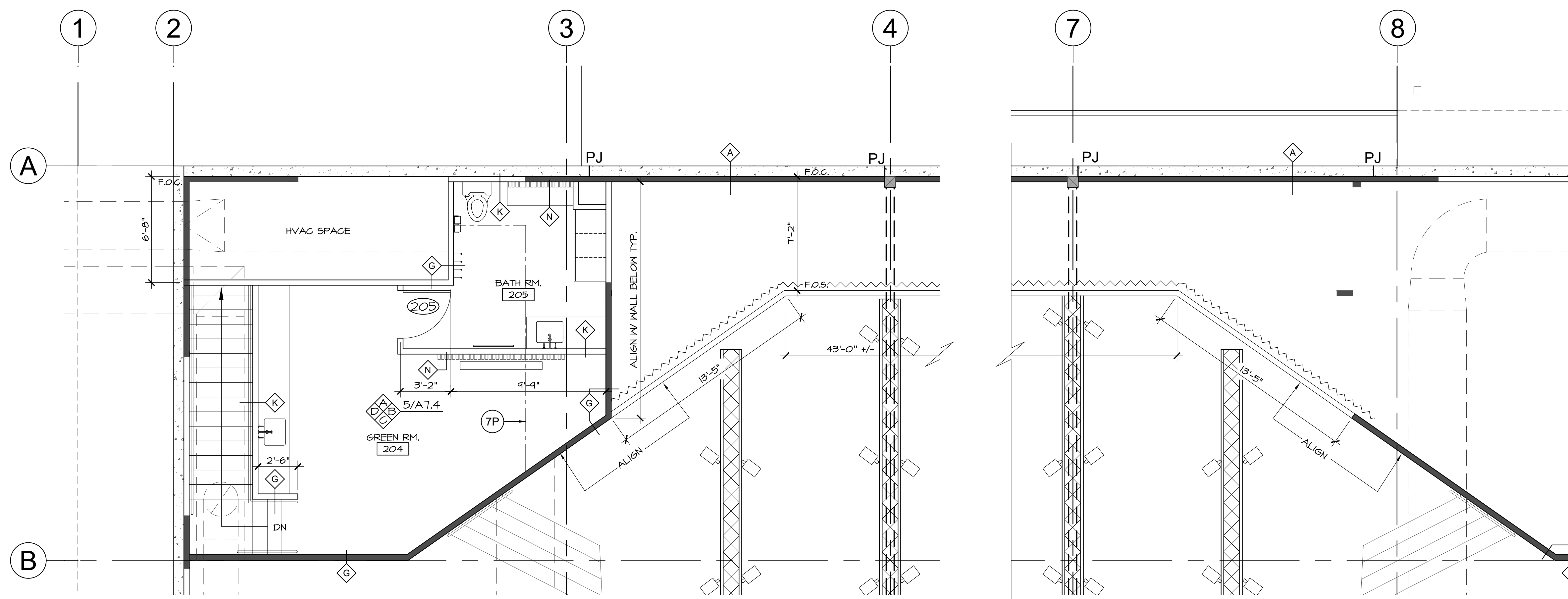
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UPPER LEVEL FLOOR PLAN
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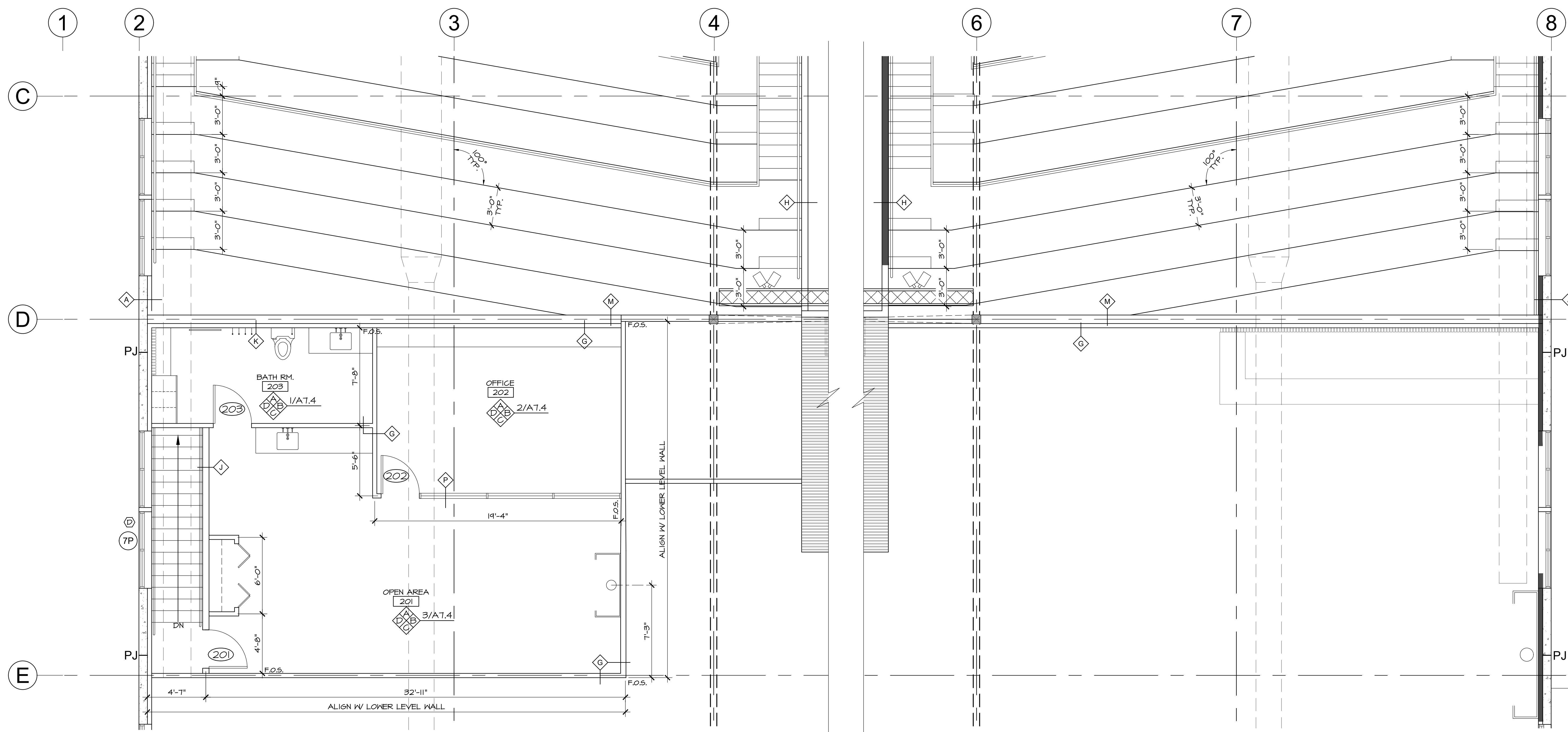
Revisions

Drawn By: TA
 Checked By: DB
 Issue Date: Nov. 30, 2023
 Drawing File Name: Horizon Sanctuary
 Sheet Number: A2.2



1 UPPER LEVEL GREEN RM. 204 & PLATFORM CURTAIN WALL

A2.2.1 1/4" = 1'-0"



2 UPPER LEVEL OFFICE 202 & OPEN RM. 201 & THEATER SEATING

A2.1.1 1/4" = 1'-0"

GENERAL NOTES:

1. DEFERRED SUBMITTALS SHALL BE SUBMITTED TO THE ARCHITECT FOR REVIEW PER OSSC 106.3.4.2.

DEFERRED SUBMITTALS (BIDDER DESIGN)

BUILDING AREA SUMMARY:

MAIN LEVEL (BLDG. FOOTPRINT) (1)	17,710 sq.ft.
UPPER LEVEL OFFICE/MEETINGS AREA (2)	448 sq.ft.
UPPER LEVEL GREEN RM. (2)	262 sq.ft.
TOTAL BUILDING AREA	18,260 sq.ft.
SOUTH ENCLOSED BREEZEWAY (ALT.) (5)	1,040 sq.ft.
NORTH ENCLOSED WALKWAY (ALT.) (3)	710 sq.ft.
SOUTH COVERED WALKWAY (ALT.) (4)	786 sq.ft.

FOOTNOTES:

- (1) MAIN LEVEL AREA MEASURED TO OUTSIDE FACE OF EXTERIOR WALLS (GROSS BLDG. FOOTPRINT). ALL MAIN LEVEL INTERIOR SPACES INCLUDED PER FLOOR PLAN (LOBBY, RESTROOMS, COFFEE PREP, AUDIO/VIDEO RM., INFANTS/NURSING/BATH RM., SANCTUARY, STAGE, TABLE/CHAIR STORAGE, STORAGE, ELEC. CLOSET, ELEC. RM. & SPRINKLER RISER RM.). SPECIAL FEATURES FOR RAISED SANCTUARY THEATER SEATING AND ENTRY CANOPY ARE INCLUDED BUT THEIR RESPECTIVE SQ.FT. AREA'S ARE NOT ADDED TO THE SQ. FT. NOTED.
- (2) UPPER LEVEL AREAS MEASURED TO INSIDE FACE OF PERIMETER WALLS AND INCLUDE STAIRWAYS SERVING EACH AREA (NET AREA).
- (3) NORTH ENCLOSED WALKWAY MEASURED TO OUTSIDE PERIMETER LINE AND DOES NOT INCLUDE COVERED BUT NOT ENCLOSED AREAS AT EAST & WEST ENDS OF ENCLOSED WALKWAY (GROSS ENCLOSED AREA). THIS IS AN ALTERNATE COST ITEM AND IS THEREFORE SEPARATED FROM THE TOTAL BLDG. AREA NOTED.
- (4) SOUTH COVERED WALKWAY MEASURED TO OUTSIDE PERIMETER LINE AND DOES NOT INCLUDE COVERED AREA ON THE EAST SIDE OF BLDG. OR THE ENCLOSED BREEZEWAY AT THE WEST END OF THE COVERED WALKWAY (GROSS AREA). THIS IS AN ALTERNATE COST ITEM AND IS THEREFORE SEPARATED FROM THE TOTAL BLDG. AREA NOTED.
- (5) SOUTH ENCLOSED BREEZEWAY MEASURED TO OUTSIDE PERIMETER LINE AND DOES NOT INCLUDE COVERED WALKWAY AT THE NE CORNER OF THE ENCLOSED BREEZEWAY. THIS IS AN ALTERNATE COST ITEM AND IS THEREFORE SEPARATED FROM THE TOTAL BLDG. AREA NOTED.

KEY NOTES:

NOTE: SOME KEY NOTES DO NOT APPLY TO EACH SHEET.

- 1P ROLL-UP GLASS PANEL GARAGE DOORS OR FOLDING WALL SYSTEM.
- 2P INDICATION FOR INTERIOR ACOUSTIC PANELS.
- 3P ROLL-UP GARAGE DOOR W/ RAISED LANDING & REMOVABLE GUARDRAIL FOR LOADING.
- 4P NURSERY & MOTHER'S ROOM W/ CHANGING TABLE. UNDER THEATER SEATING.
- 5P LARGE FIREPLACE W/ MONITOR
- 6P CLEARSTORY WINDOWS & ROOF ABOVE
- 7P HIGH WINDOWS - SEE ELEVATIONS
- 8P SOFFIT CEILING/PLENUM LINE
- 9P AUDIO BOOTH
- 10P STOREFRONT TO MATCH GARAGE ROLL-UP @ OPP. SIDE.
- 11P ROUGH PLUMB FOR GREEN RM. ABOVE.
- 12P GREEN RM. ABOVE
- 13P CAMERA PLATFORMS
- 14P BAPTISMAL - ALTERNATE COST
- 15P COFFEE & FOOD PREP. UNDER THEATER SEATING.
- 16P WALKWAYS, BREEZEWAY & BAPTISMAL ALTERNATE COST.

WALL TYPES:

- A TYP. EXTERIOR WALL: TILT-UP CONC. WALL (SEE STRUCTURAL), 3 5/8" 25 GA GALV. STEEL STUDS @ 24" O.C. W/ R-21 BATT INSULATION & 5/8" GYP. BD. OVER POLY VAPOR BARRIER
- B CLEAR STORY WALL: 2x6 STEEL STUDS @ 24" O.C. W/ R-21 BATT INSULATION & 5/8" GYP. BD. INTERIOR SIDE. WATERPROOFING, SHEATHING PER STRUCTURAL & HARDIE REVEL SYSTEM PANELS EXTERIOR SIDE.
- C WINDOW WALL: STEEL FRAMING PER STRUCTURAL
- F NON-RATED INTERIOR WALL: 3 5/8" STEEL STUDS (SEE DETAIL 16/A,B) FOR GAGE & STUD SPACING), W/ SOUND BATT INSULATION & 5/8" GYP. BD. BOTH SIDES TO CEILING (SEE DETAIL 15/A,B) FOR BRACING).
- G TYP. NON-RATED INTERIOR WALL: 3 5/8" STEEL STUDS (SEE DETAIL 16/A,B) FOR GAGE & STUD SPACING), W/ SOUND BATT INSULATION & 5/8" GYP. BD. BOTH SIDES TO UNDERSIDE OF STRUCTURE.
- H NON-RATED PARTIAL HT. WALL: WALL: 6" STEEL STUDS (SEE DETAIL 16/A,B) FOR GAGE & STUD SPACING), W/ 5/8" GYP. BD. BOTH SIDES (BRACE TO ADJACENT FULL HT. WALL).
- J 1 HOUR RATED INTERIOR WALL: 6" STEEL STUDS (SEE DETAIL 16/A,B) FOR GAGE & STUD SPACING), W/ SOUND BATT INSULATION & 5/8" TYPE 'X' GYP. BD. BOTH SIDES TO UNDERSIDE OF STRUCTURE. SEE DETAIL 17/A,B).
- K PLUMBING WALL: NON-RATED PARTIAL HT. WALL: WALL: 6" STEEL STUDS (SEE DETAIL 16/A,B) FOR GAGE & STUD SPACING), W/ 5/8" GYP. BD. BOTH SIDES (BRACE TO ADJACENT FULL HT. WALL).
- M SHEAR WALL: SEE STRUCTURAL
- N WOOD SLAT WALL
- P STOREFRONT



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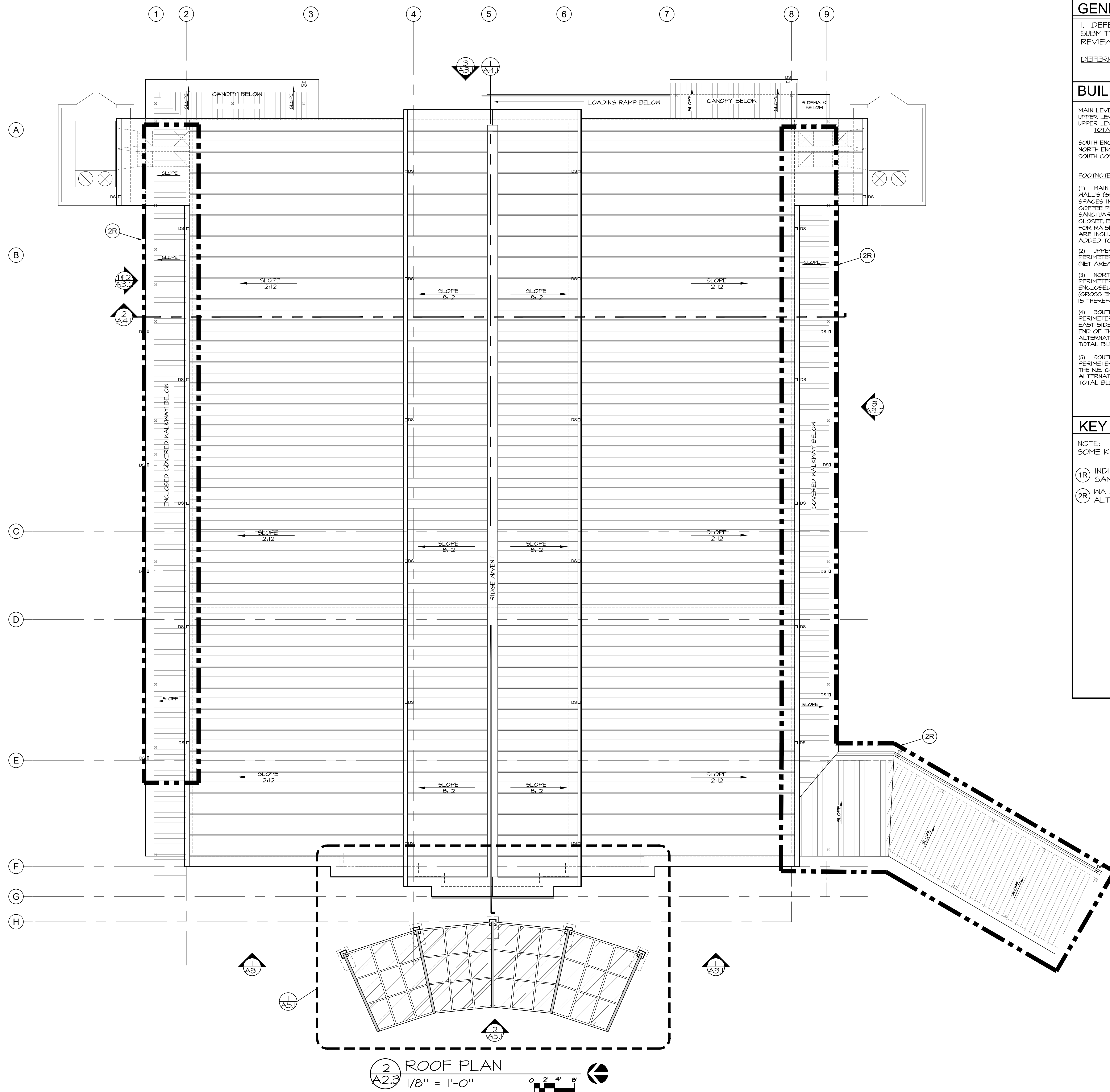
Revisions	

Drawn By: TA, Checked By: DB, Issue Date: Nov. 30, 2023, Drawing File Name: Horizon Sanctuary

Sheet Number

A2.2.1

PERMIT SET



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

GENERAL NOTES:

1. DEFERRED SUBMITTALS SHALL BE SUBMITTED TO THE ARCHITECT FOR REVIEW PER OSBC 106.3.4.2.
 DEFERRED SUBMITTALS (BIDDER DESIGN)

BUILDING AREA SUMMARY:

MAIN LEVEL (BLDG. FOOTPRINT) (1)	17,710 sq.ft.
UPPER LEVEL OFFICE/MEETINGS AREA (2)	440 sq.ft.
UPPER LEVEL GREEN RM. (2)	560 sq.ft.
TOTAL BUILDING AREA	18,260 sq.ft.
SOUTH ENCLOSED BREEZEWAY (ALT.) (5)	1,040 sq.ft.
NORTH ENCLOSED WALKWAY (ALT.) (3)	770 sq.ft.
SOUTH COVERED WALKWAY (ALT.) (4)	786 sq.ft.

FOOTNOTES:

(1) MAIN LEVEL AREA MEASURED TO OUTSIDE FACE OF EXTERIOR WALL'S (GROSS BLDG. FOOTPRINT). ALL MAIN LEVEL INTERIOR SPACES INCLUDED PER FLOOR PLAN LOBBY, RESTROOM'S, COFFEE PREP, AUDIO/VIDEO RM., INFANTS/NURSING/BATH RM., SANCTUARY, STAGE, TABLE/CHAIR STORAGE, STORAGE, ELEC. CLOSET, ELEC. RM. & SPRINKLER RISER RM.). SPECIAL FEATURES FOR RAISED SANCTUARY THEATER SEATING AND ENTRY CANOPY ARE INCLUDED BUT THEIR RESPECTIVE SQ.FT. AREA'S ARE NOT ADDED TO THE SQ. FT. NOTED.

(2) UPPER LEVEL AREAS MEASURED TO INSIDE FACE OF PERIMETER WALL'S AND INCLUDE STAIRWAYS SERVING EACH AREA (NET AREA).

(3) NORTH ENCLOSED WALKWAY MEASURED TO OUTSIDE PERIMETER LINE AND DOES NOT INCLUDE COVERED BUT NOT ENCLOSED AREAS AT EAST & WEST ENDS OF ENCLOSED WALKWAY (GROSS ENCLOSED AREA). THIS IS AN ALTERNATE COST ITEM AND IS THEREFORE SEPARATED FROM THE TOTAL BLDG. AREA NOTED.

(4) SOUTH COVERED WALKWAY MEASURED TO OUTSIDE PERIMETER LINE AND DOES NOT INCLUDE COVERED AREA ON THE EAST SIDE OF BLDG. OR THE ENCLOSED BREEZEWAY AT THE WEST END OF THE COVERED WALKWAY (GROSS AREA). THIS IS AN ALTERNATE COST ITEM AND IS THEREFORE SEPARATED FROM THE TOTAL BLDG. AREA NOTED.

(5) SOUTH ENCLOSED BREEZEWAY MEASURED TO OUTSIDE PERIMETER LINE AND DOES NOT INCLUDE COVERED WALKWAY AT THE NE CORNER OF THE ENCLOSED BREEZEWAY. THIS IS AN ALTERNATE COST ITEM AND IS THEREFORE SEPARATED FROM THE TOTAL BLDG. AREA NOTED.

KEY NOTES:

NOTE:
 SOME KEY NOTES DO NOT APPLY TO EACH SHEET.

- (1R) INDICATION FOR INTERIOR ACOUSTIC PANELS SAME SIZE & LOCATIONS.
- (2R) WALKWAYS, BREEZEWAY & BAPTISMAL ALTERNATE COST



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ROOF PLAN
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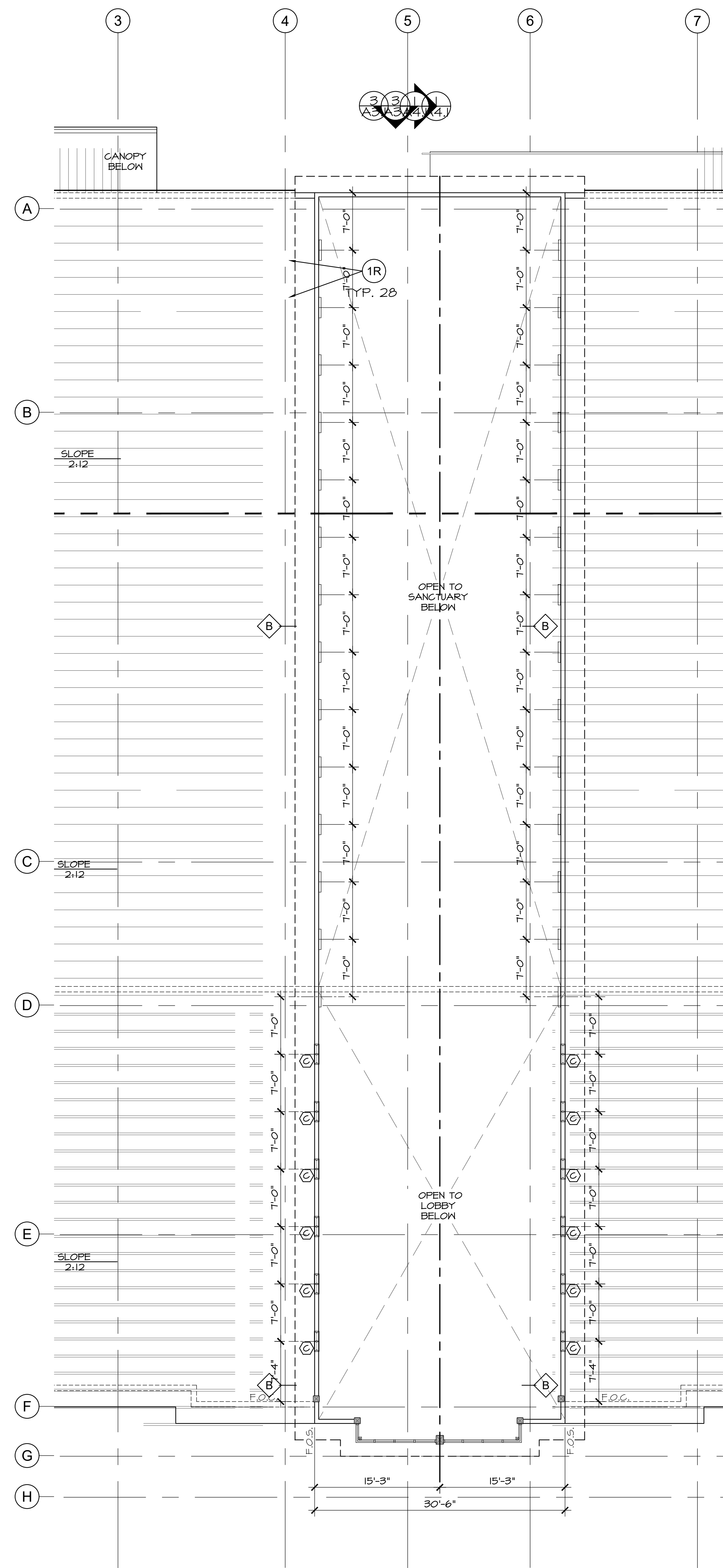


Revisions	

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 Drawing File Name: Horizon Sanctuary

Sheet Number
A2.3

PERMIT SET



1 MONITOR ROOF LAYOUT
 A2.3 1/8" = 1'-0"
 0 2' 4' 8'

GENERAL NOTES:

1. DEFERRED SUBMITTALS SHALL BE SUBMITTED TO THE ARCHITECT FOR REVIEW PER OSSC 106.3.4.2.
 DEFERRED SUBMITTALS (BIDDER DESIGN)

BUILDING AREA SUMMARY:

MAIN LEVEL (BLDG. FOOTPRINT) (1)	17,710 sq.ft.
UPPER LEVEL OFFICE/MEETINGS AREA (2)	998 sq.ft.
UPPER LEVEL GREEN RM. (2)	560 sq.ft.
TOTAL BUILDING AREA	19,268 sq.ft.
SOUTH ENCLOSED BREEZEWAY (ALT.) (5)	1,040 sq.ft.
NORTH ENCLOSED WALKWAY (ALT.) (3)	770 sq.ft.
SOUTH COVERED WALKWAY (ALT.) (4)	786 sq.ft.

FOOTNOTES:

(1) MAIN LEVEL AREA MEASURED TO OUTSIDE FACE OF EXTERIOR WALL'S (GROSS BLDG. FOOTPRINT). ALL MAIN LEVEL INTERIOR SPACES INCLUDED PER FLOOR PLAN LOBBY, RESTROOM'S, COFFEE PREP, AUDIO/VIDEO RM., INFANTS/NURSING/BATH RM., SANCTUARY, STAGE, TABLE/CHAIR STORAGE, STORAGE, ELEC. CLOSET, ELEC. RM. & SPRINKLER RISER RM., SPECIAL FEATURES FOR RAISED SANCTUARY THEATER SEATING AND ENTRY CANOPY ARE INCLUDED BUT THEIR RESPECTIVE SQ.FT. AREA'S ARE NOT ADDED TO THE SQ. FT. NOTED.

(2) UPPER LEVEL AREAS MEASURED TO INSIDE FACE OF PERIMETER WALL'S AND INCLUDE STAIRWAYS SERVING EACH AREA (NET AREA).

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KEY NOTES:

NOTE:
 SOME KEY NOTES DO NOT APPLY TO EACH SHEET.

- 1R INDICATION FOR INTERIOR ACOUSTIC PANELS SAME SIZE & LOCATIONS.
- 2R WALKWAYS, BREEZEWAY & BAPTISMAL ALTERNATE COST



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Revisions	

Drawn By: TA
 Checked By: DB
 Issue Date: Nov. 30, 2023
 Drawing File Name: Horizon Sanctuary

Sheet Number
A2.3.1



Revisions

Drawn By TA Checked By DB Issue Date Nov 30, 2023 Drawing File Name Horizon Sanctuary

Sheet Number

A2.4

WINDOW SCHEDULE table with columns: MARK, SIZE (WIDTH, HEIGHT), T.O. HDR., FRAME (MATERIAL, FINISH), NOTES/LOCATION

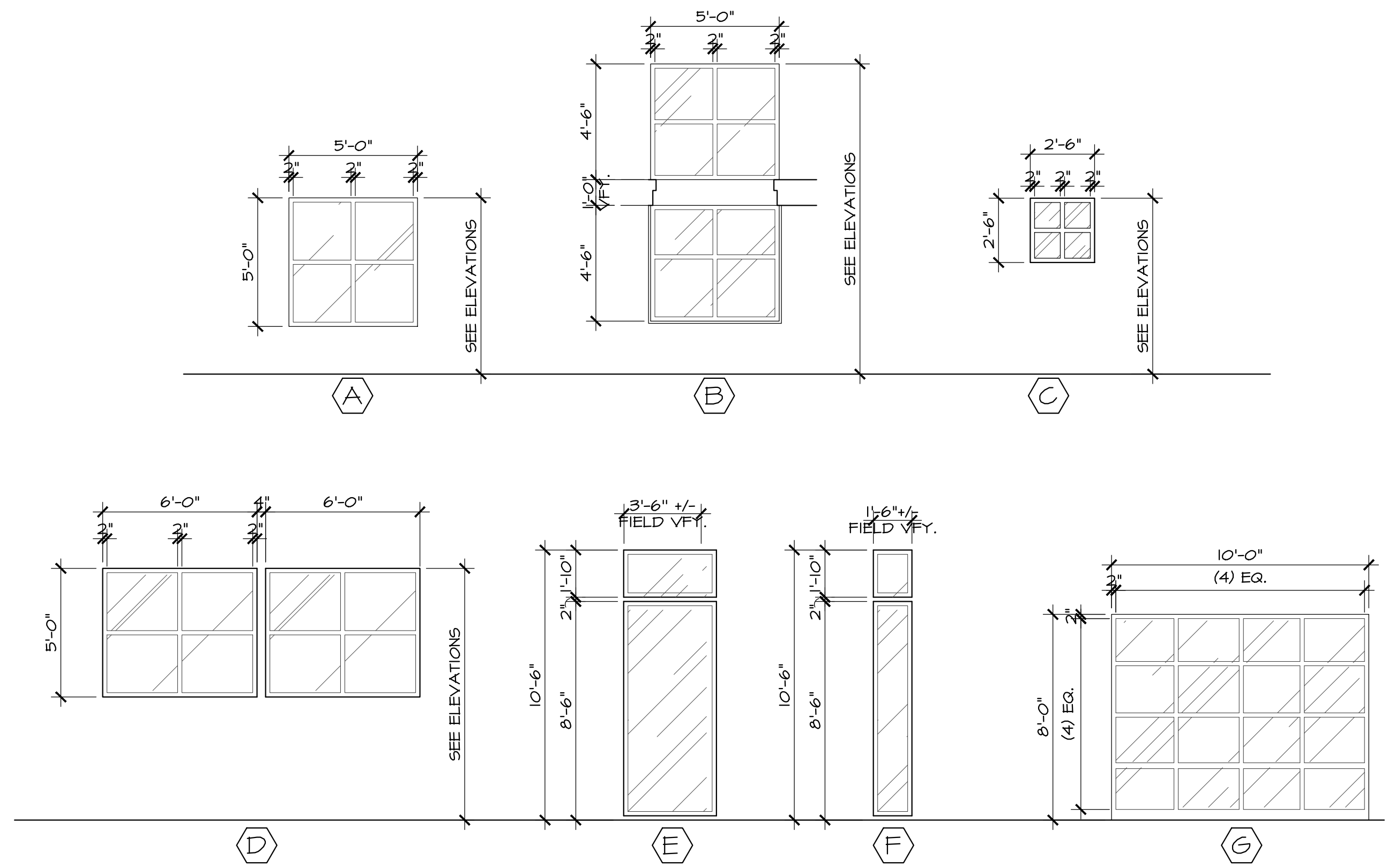
ABBREVIATIONS: and KEYNOTES: table with material abbreviations and keynotes for window openings.

DOOR SCHEDULE table with columns: NO., SIZE (WIDTH, HEIGHT), TYPE, THICK., CORE, MATL, FIN, GL, RATINGS, FRAME (MATL, FIN, DETAIL, RATINGS), HDWL, KEYNOTES, NOTES/LOCATION

SCHEDULE NOTES: table with 4 notes regarding supplier schedule, contractor responsibility, door rough openings, and alternative cost for finish.

ABBREVIATIONS: table with material abbreviations (AL, BR, CA, CS, FG, FP, HG, HM, INS, LV, M) and their corresponding material names.

KEYNOTES: table with keynotes (1-5) for door hardware and finish requirements.



2 WINDOW ELEVATIONS A2.4 1/4" = 1'-0" 0 1' 2' 4'

FINISH SCHEDULE table with columns: ROOM NO., ROOM NAME, FLOOR, BASE, WALLS (N, S, E, W), CEILING (MATL., FINISH, HEIGHT), NOTES

ROOM FINISH LEGEND: table defining finish codes (CT, CB, VGT, CPT, SV, RB, SC, C, SF, WD, G, NC, SL, P-LAM, S6, XX) and their corresponding material descriptions.

1 SCHEDULES A2.4 NTS



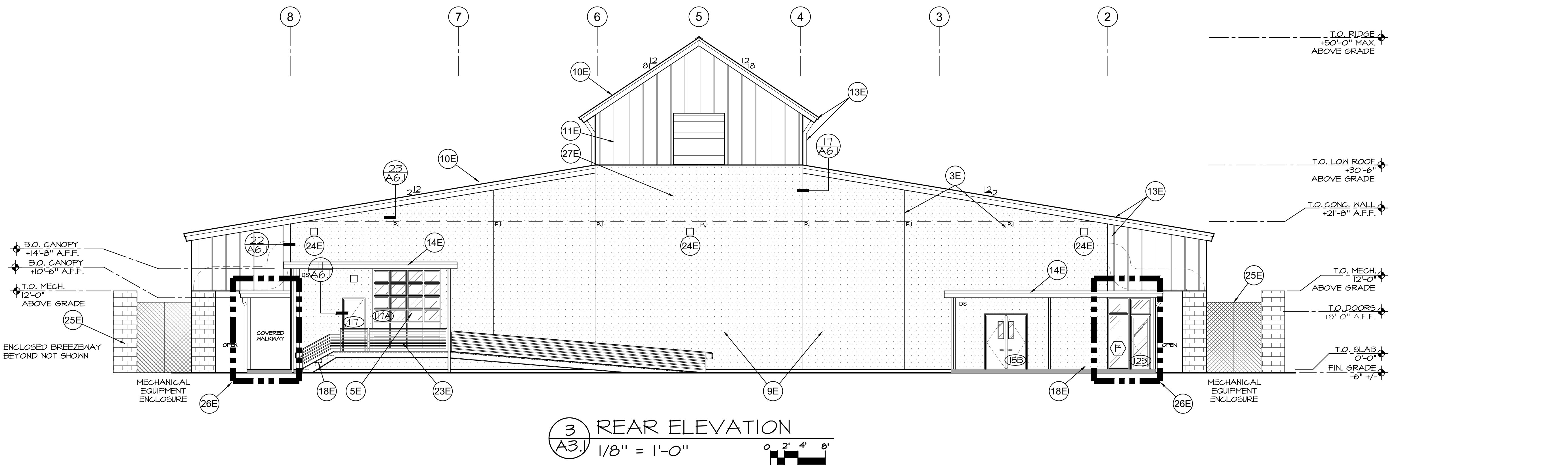
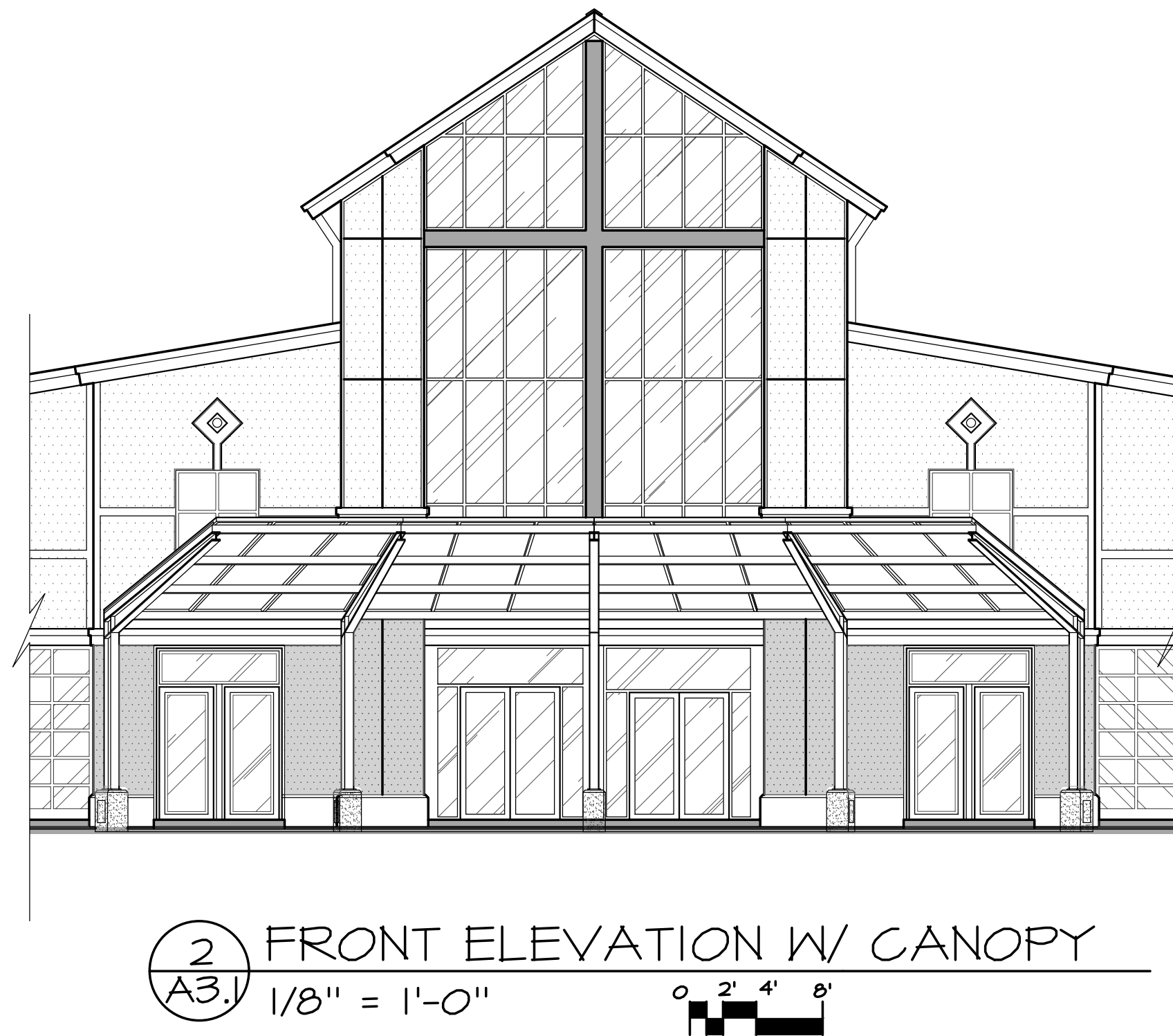
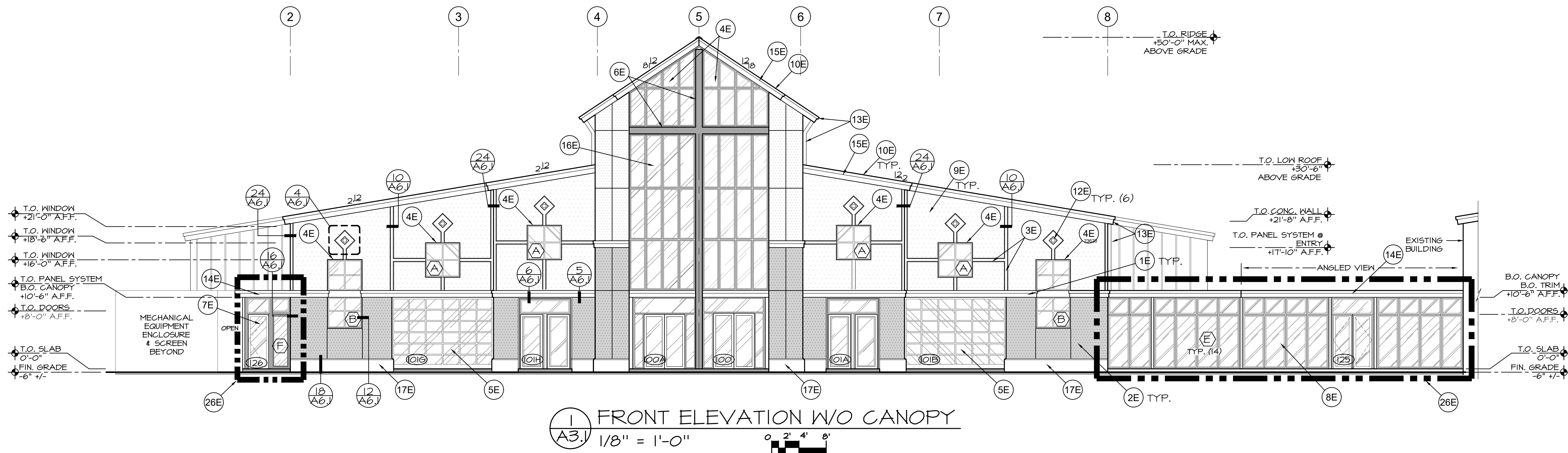
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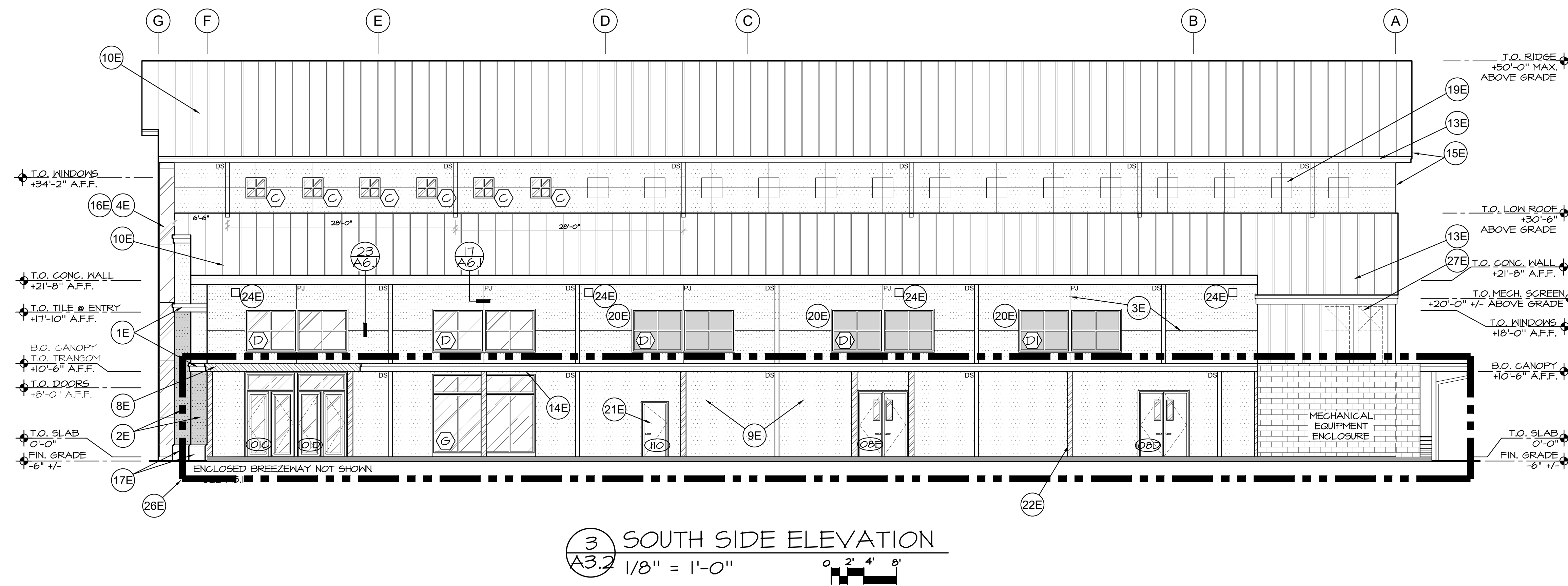
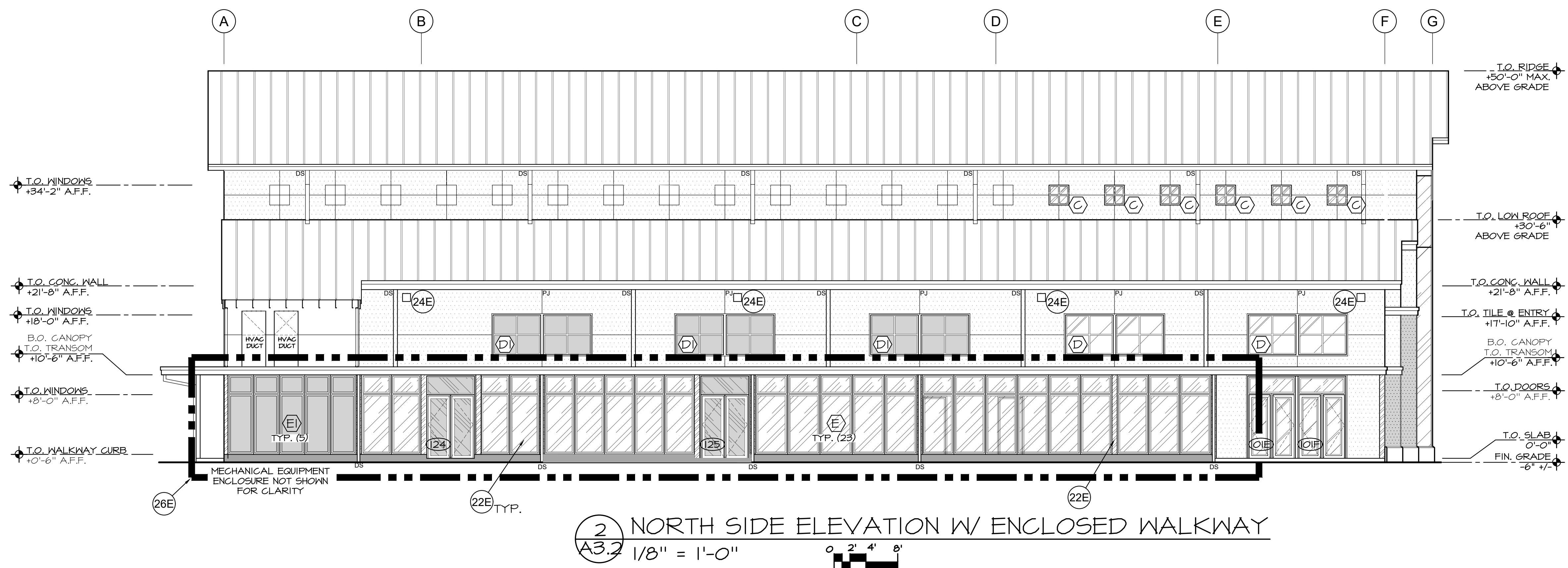
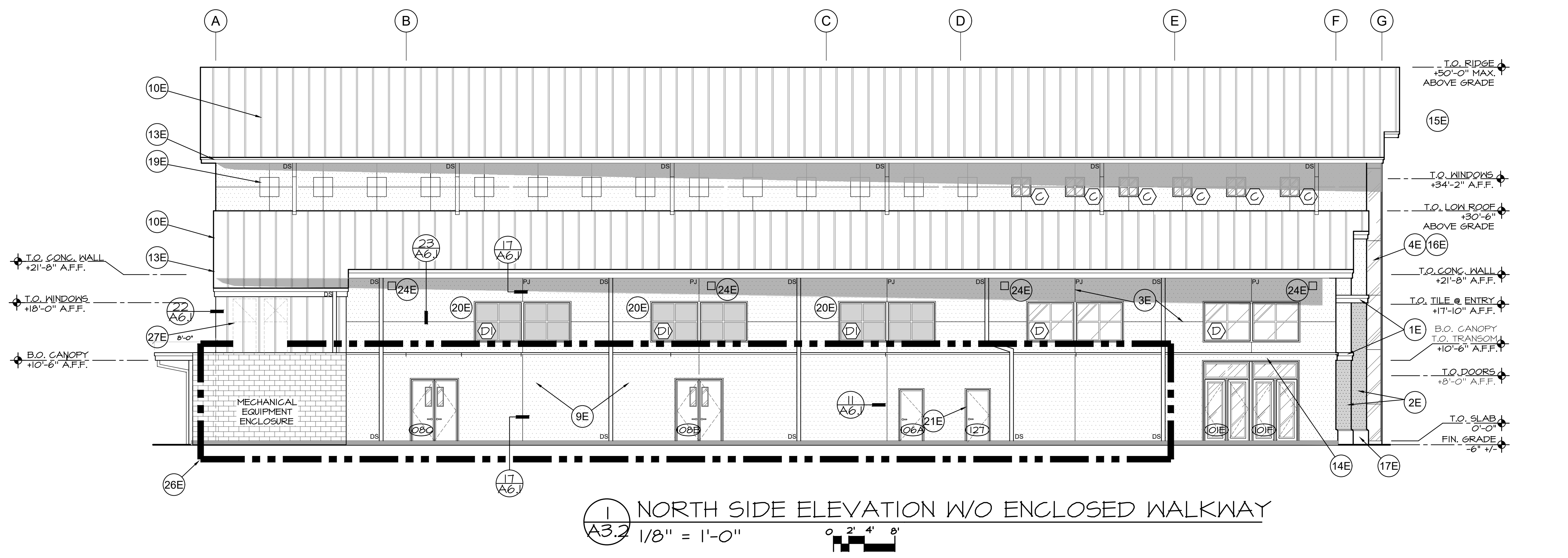
GENERAL NOTES:

1. DEFERRED SUBMITTALS SHALL BE SUBMITTED TO THE ARCHITECT FOR REVIEW PER OSSC 106.3.4.2.
DEFERRED SUBMITTALS (BIDDER DESIGN)

KEY NOTES:

- NOTE:
SOME KEY NOTES DO NOT APPLY TO EACH SHEET.
- 1E HORIZONTAL METAL TRIM - MATCH EXISTING
 - 2E REVEAL PANEL SYSTEM
 - 3E PANEL REVELS/JOINTS - MATCH EXISTING
 - 4E BLUE TINT GLASS W/ MILL FINISH NARROW STOREFRONT FRAMES & BUTT JOINTS - MATCH EXISTING
 - 5E 12'-0" GLASS PANEL ROLL-UP DOOR
 - 6E 6" WHITE TUBE STEEL WINDOW FRAMING - MATCH EXISTING
 - 7E ENCLOSED WALKWAY
 - 8E ENCLOSED STOREFRONT BREEZEWAY (NOT HEATED) TO EXISTING BUILDING
 - 9E PAINTED CONCRETE TILT-UP PANEL
 - 10E STANDING SEAM METAL ROOF
 - 11E FLUSH SEAM METAL PANELS TO MATCH ROOF - TYP. (6)
 - 12E EXTERIOR WALL MOUNTED ACCENT LIGHT - TYP. (6)
 - 13E ALUM. FASCIA TRIM AND DOWNSPOUT TO MATCH STOREFRONT MATERIAL
 - 14E CANTILEVERED CANOPY WITH BRAKE METAL TRIM
 - 15E BRAKE METAL RAKE TRIM
 - 16E STRUCTURAL SILICONE CURTAIN WALL SYSTEM
 - 17E 3 1/2" THICK, PRECAST CONC. BASE TRIM
 - 18E SHOP FABRICATED GALVANIZED STEEL STAIR PAINTED TO MATCH STOREFRONT COLOR (DEFERRED SUBMITTAL), 7" MAX. RISER HEIGHT, 11" MIN. TREAD WIDTH, 1-1/4" DIAMETER TUBE STEEL GUARDRAILS AND HANDRAILS. HANDRAILS SHALL BE BRUSHED STAINLESS STEEL, 34" ABOVE LEADING EDGE OF TREADS. GUARDRAILS SHALL BE 42" ABOVE LANDINGS AND LEADING EDGE OF TREADS.
 - 19E WINDOWS W/ LIGHT BLOCKING ACOUSTICAL PANELS IN INTERIOR SIDE OF SANCTUARY.
 - 20E BLACK OUT WINDOW TREATMENT AT ALL SANCTUARY GLAZING
 - 21E UPPER LEVEL OFFICE or COFFEE/FOOD PREP ACCESS DOOR
 - 22E STOREFRONT WINDOW SYSTEM. EQ. GLASS PANELS 48" WIDE MAX. W/ TRANSOM
 - 23E REMOVABLE GUARD RAIL
 - 24E WALL MOUNTED SECURITY LIGHT
 - 25E 15x20' MECHANICAL EQUIPMENT ENCLOSURE
 - 26E WALKWAYS, BREEZEWAY & BAPTISMAL ALTERNATE COST
 - 27E MECH. SCREEN & HVAC DUCT OR EXHAUST VENT
 - 28E STEEL COLUMN - SEE STRUCTURAL





GENERAL NOTES:

- DEFERRED SUBMITTALS SHALL BE SUBMITTED TO THE ARCHITECT FOR REVIEW PER OSBC 106.3.4.2.

DEFERRED SUBMITTALS (BIDDER DESIGN)

KEY NOTES:

NOTE: SOME KEY NOTES DO NOT APPLY TO EACH SHEET.

- HORIZONTAL METAL TRIM - MATCH EXISTING
- REVEAL PANEL SYSTEM
- PANEL REVELS/JOINTS - MATCH EXISTING
- BLUE TINT GLASS W/ MILL FINISH NARROW STOREFRONT FRAMES & BUTT JOINTS - MATCH EXISTING
- 12'-0" GLASS PANEL ROLL-UP DOOR
- 6" WHITE TUBE STEEL WINDOW FRAMING - MATCH EXISTING
- ENCLOSED WALKWAY
- ENCLOSED STOREFRONT BREEZEWAY (NOT HEATED) TO EXISTING BUILDING
- PAINTED CONCRETE TILT-UP PANEL
- STANDING SEAM METAL ROOF
- FLUSH SEAM METAL PANELS TO MATCH ROOF
- EXTERIOR WALL MOUNTED ACCENT LIGHT - TYP. (6)
- ALUM. FASCIA TRIM AND DOWNSPOUT TO MATCH STOREFRONT MATERIAL
- CANTILEVERED CANOPY WITH BRAKE METAL TRIM
- BRAKE METAL RAKE TRIM
- STRUCTURAL SILICONE CURTAIN WALL SYSTEM
- 3 1/2" THICK, PRECAST CONG. BASE TRIM
- SHOP FABRICATED GALVANIZED STEEL STAIR PAINTED TO MATCH STOREFRONT COLOR (DEFERRED SUBMITTAL), 7" MAX. RISER HEIGHT, 11" MIN. TREAD WIDTH. 1-1/4" DIAMETER TUBE STEEL GUARDRAILS AND HANDRAILS. HANDRAILS SHALL BE BRUSHED STAINLESS STEEL, 34" ABOVE LEADING EDGE OF TREADS. GUARDRAILS SHALL BE 42" ABOVE LANDINGS AND LEADING EDGE OF TREADS.
- WINDOWS W/ LIGHT BLOCKING ACOUSTICAL PANELS IN INTERIOR SIDE OF SANCTUARY.
- BLACK OUT WINDOW TREATMENT AT ALL SANCTUARY GLAZING
- UPPER LEVEL OFFICE OR COFFEE/FOOD PREP ACCESS DOOR
- STOREFRONT WINDOW SYSTEM. EQ. GLASS PANELS 48" WIDE MAX. W/ TRANSOM
- REMOVABLE GUARD RAIL
- WALL MOUNTED SECURITY LIGHT
- 15x20' MECHANICAL EQUIPMENT ENCLOSURE
- WALKWAYS, BREEZEWAY & BAPTISMAL ALTERNATE COST
- MECH. SCREEN & HVAC DUCT OR EXHAUST VENT
- STEEL COLUMN - SEE STRUCTURAL



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EXTERIOR ELEVATIONS
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 TUALATIN, OR



Revisions	

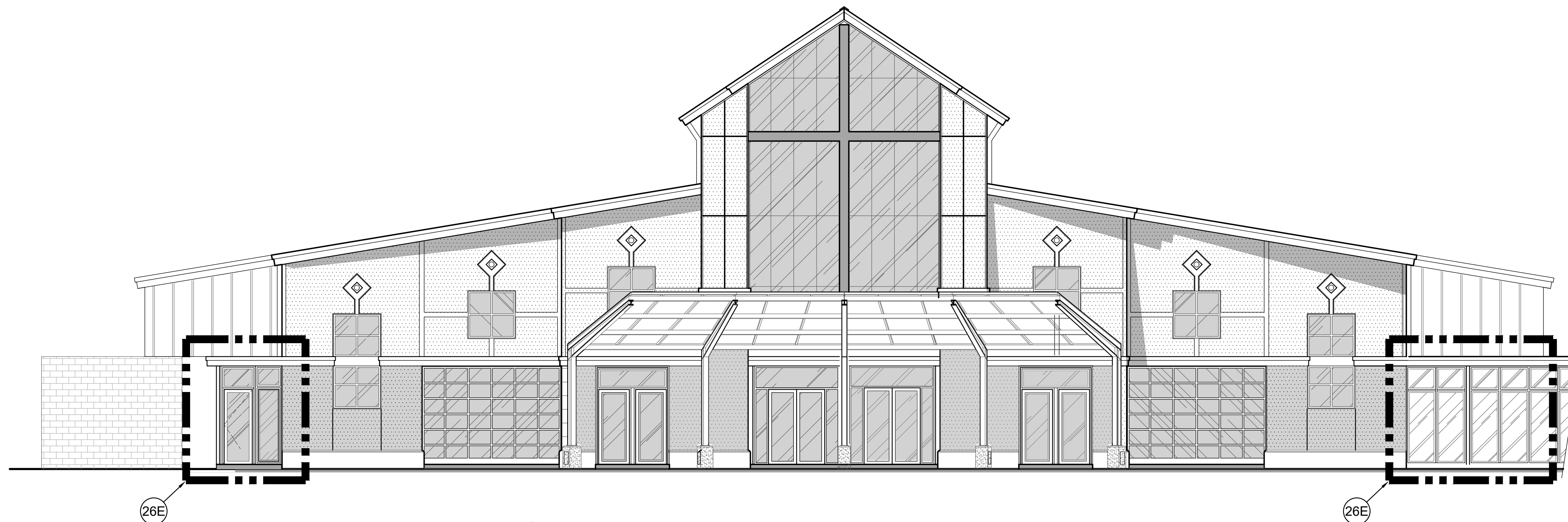
Drawn By	Checked By
TA	DB
Issue Date	
Nov. 30, 2023	
Drawing Title Name	
Horizon Sanctuary	
Sheet Number	

A3.2

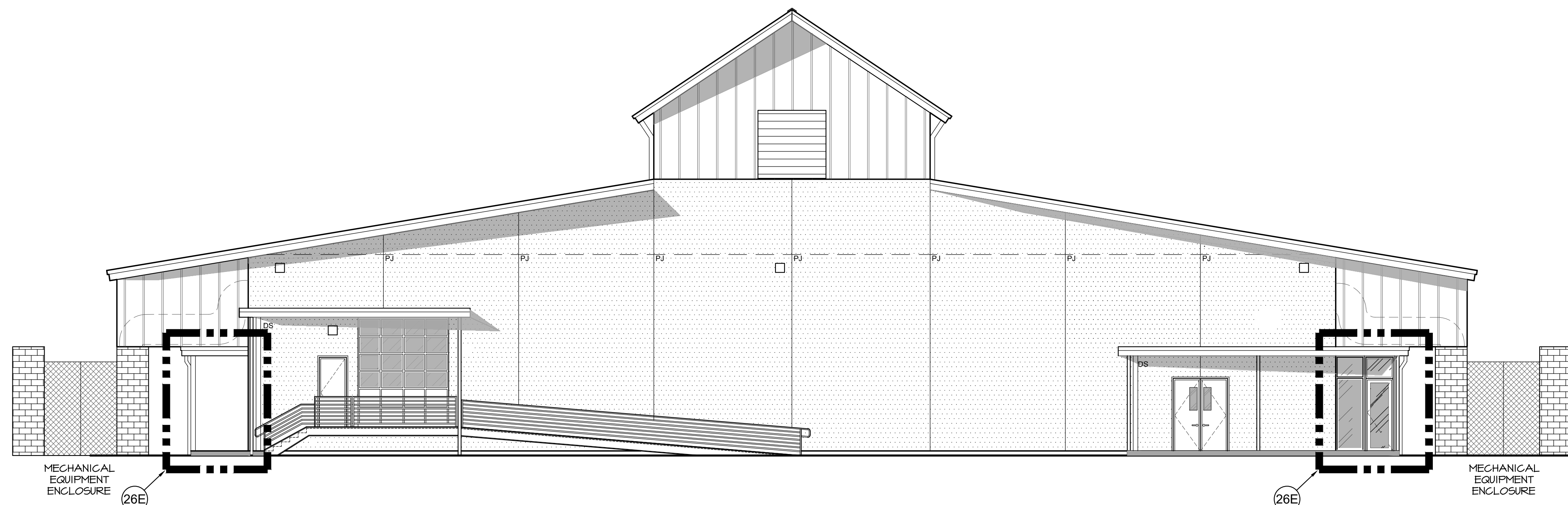
PERMIT SET



1 FRONT ELEVATION RENDERED W/O CANOPY
 A3.3 1/8" = 1'-0" 0 2' 4' 8"



2 FRONT ELEVATION RENDERED W/ CANOPY
 A3.3 1/8" = 1'-0" 0 2' 4' 8"



3 REAR ELEVATION RENDERED
 A3.3 1/8" = 1'-0" 0 2' 4' 8"

GENERAL NOTES:

1. DEFERRED SUBMITTALS SHALL BE SUBMITTED TO THE ARCHITECT FOR REVIEW PER OSBC 106.3.4.2.
 DEFERRED SUBMITTALS (BIDDER DESIGN)

KEY NOTES:

NOTE:
 SOME KEY NOTES DO NOT APPLY TO EACH SHEET.
 (26E) WALKWAYS, BREEZENAY & BAPTISMAL ALTERNATE COST



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RENDERED ELEVATIONS
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Drawn By: TA
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 Issue Date: Nov. 30, 2023
 Drawing Title Name: Horizon Sanctuary

Sheet Number
A3.3

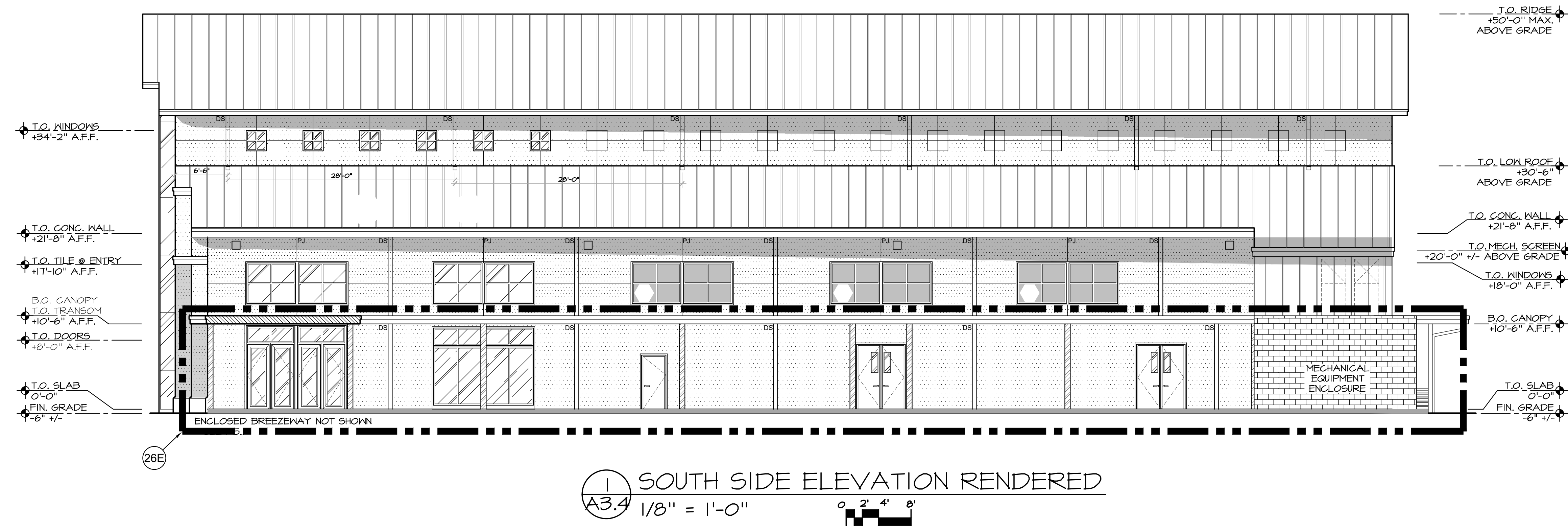
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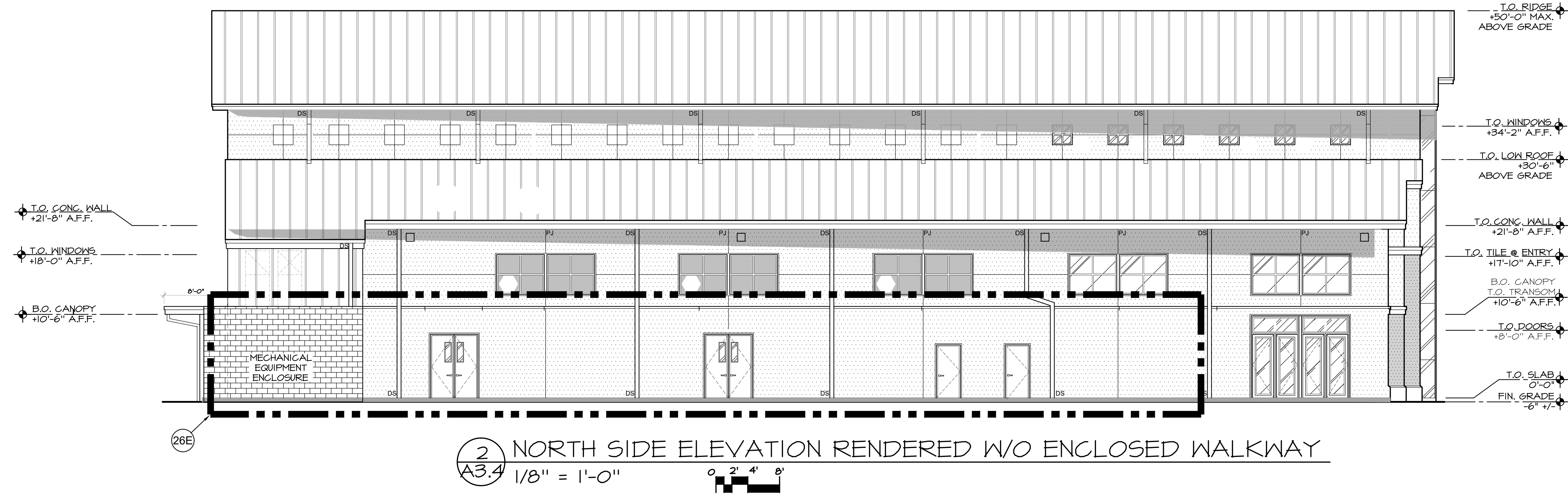
1. DEFERRED SUBMITTALS SHALL BE SUBMITTED TO THE ARCHITECT FOR REVIEW PER OSBC 106.3.4.2.
DEFERRED SUBMITTALS (BIDDER DESIGN)

KEY NOTES:

NOTE:
SOME KEY NOTES DO NOT APPLY TO EACH SHEET.
26E WALKWAYS, BREEZENAY & BAPTISMAL ALTERNATE COST



1 SOUTH SIDE ELEVATION RENDERED
A3.4 1/8" = 1'-0"



2 NORTH SIDE ELEVATION RENDERED W/O ENCLOSED WALKWAY
A3.4 1/8" = 1'-0"



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BUILDING SECTION
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Issue Date: Nov 30, 2023
Drawing Title Name: Horizon Sanctuary
Sheet Number:

A4.1

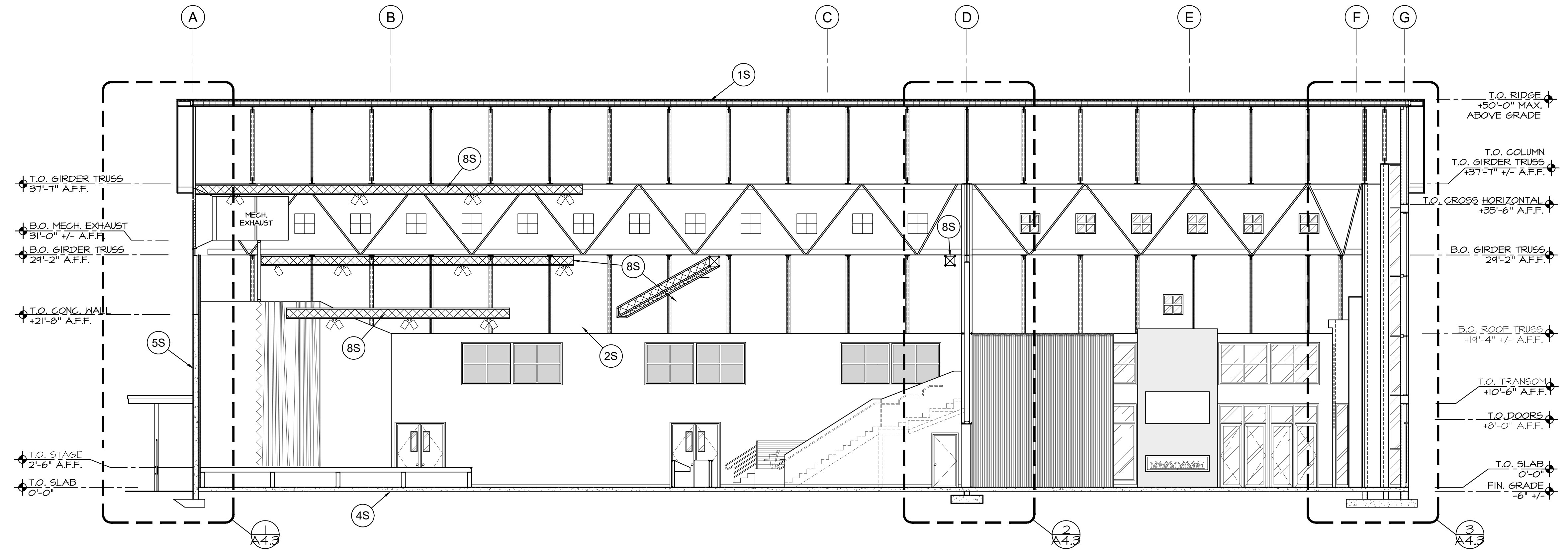
GENERAL NOTES:

1. REFER TO STRUCTURAL AS NEEDED.

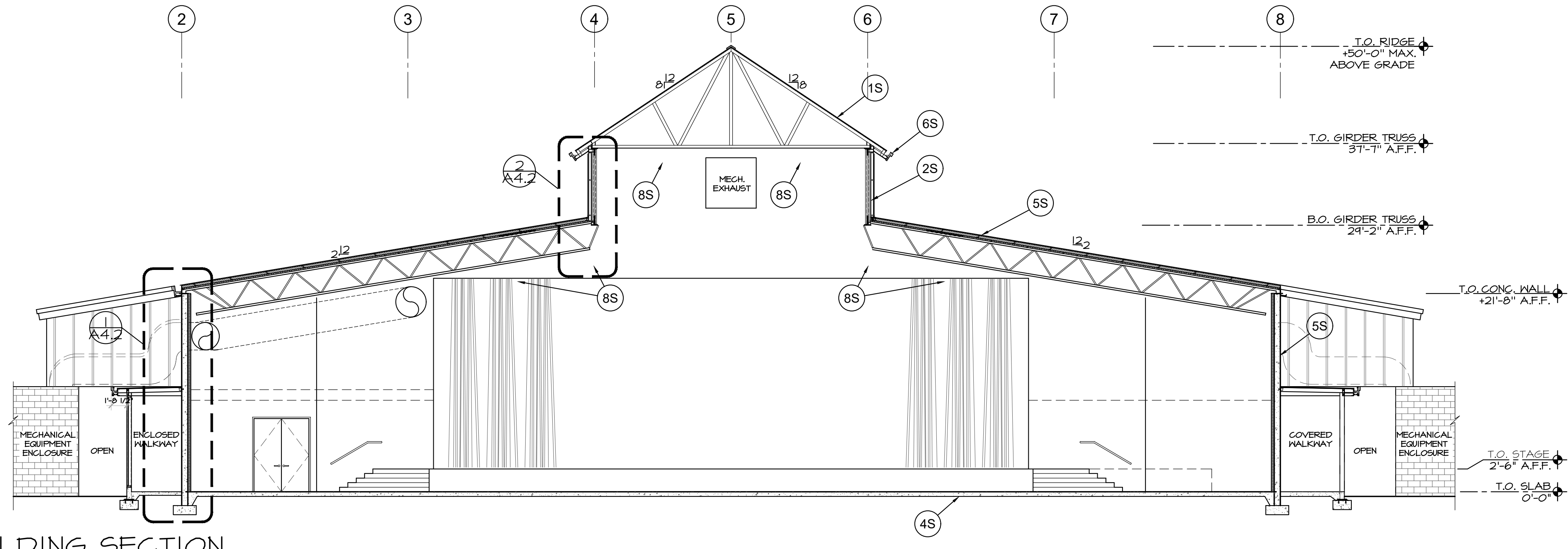
KEY NOTES:

NOTE:
SOME KEY NOTES DO NOT APPLY TO EACH SHEET.

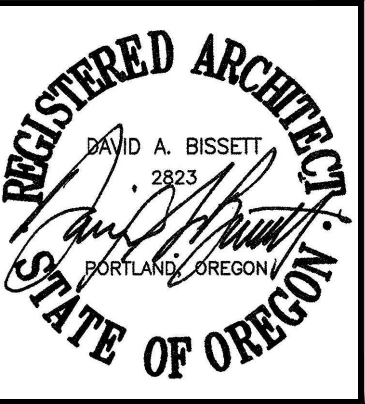
- (1S) CLERESTORY ROOF SYSTEM: STANDING SEAM METAL ROOF OVER 1 5/16" STEEL DECK ON LIGHT GAGE METAL TRUSSES AT 24" O.C. WITH EXTENDED TOP CHORDS FOR OVERHANG. INSULATE CEILING TO R-19, PROVIDE 0.5 PERM VAPOR BARRIER AT UNDERSIDE OF TRUSSES, CEILING SHALL BE SUSPENDED 2x4 OPEN CEILING GRID W/ LAY-IN ACOUSTIC PANELS & LIGHTING WHERE SHOWN.
- (2S) CLERESTORY SIDEWALL SYSTEM: FLUSH SEAM METAL PANELS ON 1/8" HAT CHANNELS @ 24" O.C. OVER TYVEK PAPER OVER 5/8" TYPE 'X' SUREBOARD GYPSUM SHEATHING ON LIGHT GAGE METAL STUDS AT 16" O.C. INSULATE STUD CAVITY TO R-19, PROVIDE 0.5 PERM VAPOR BARRIER AT INSIDE FACE OF STUD, INSIDE WALL FINISH SHALL BE 5/8" TYPE 'X' GYPSUM BOARD.
- (3S) FIRE RESISTIVE ROOF-CEILING ASSEMBLY: STANDING SEAM METAL ROOF OVER 3" POLYISOCYANURATE INSULATION WITH METAL "Z" FURLING AT 48" O.C. ON 5/8" GYPSUM WALLBOARD ON 1-1/2" ACOUSTICAL STEEL DECK ON OPEN WEB STEEL JOISTS AT 48" MAX.
- (4S) SLAB ON GRADE: 6" CONCRETE WITH #4 AT 24" BOTH WAYS OVER 6" CRUSHED ROCK BASE ON COMPACTED FILL.
- (5S) TYPICAL TWO HOUR FIRE RESISTIVE EXTERIOR WALL SYSTEM: 6 1/4" THICK TILT-UP CONCRETE PANELS WITH 3 5/8" METAL STUD FURRING @ 24" O.C. (INSULATE FULL STUD CAVITY WITH FIBERGLASS BATT INSULATION. PROVIDE 0.5 PERM VAPOR BARRIER ON INSIDE FACE OF STUD UNDER 5/8" ABUSE RESISTANT GYPSUM BOARD, TWO HOUR RATING IS ACHIEVED PER OSSC TABLE T-B, ITEM T-1.)
- (6S) ROOF OVERHANG: FLUSH SEAM METAL SOFFIT, BUILT-IN GALV. SHEET METAL GUTTERS, BRAKE METAL FASCIA.
- (7S) THROUGH PENETRATIONS OF THE ELEVATED CONCRETE FLOOR BY STEEL, FERROUS OR COPPER CONDUITS, PIPES, TUBES OR VENTS WITH A MAXIMUM 6" INCH NOMINAL DIAMETER ARE ALLOWED, PROVIDED THAT CONCRETE, GROUT OR MORTAR IS INSTALLED FOR THE FULL THICKNESS OF THE FLOOR (PERMITTED BY OSSC 710.2.1, EXCEPTION 2.)
- (8S) RIGGING - SEE AUDIO/VIDEO/LIGHTING.



1 BUILDING SECTION
A4.1 1/8" = 1'-0" 0 2' 4' 8"



2 BUILDING SECTION
A4.1 1/8" = 1'-0" 0 2' 4' 8"



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WALL SECTION
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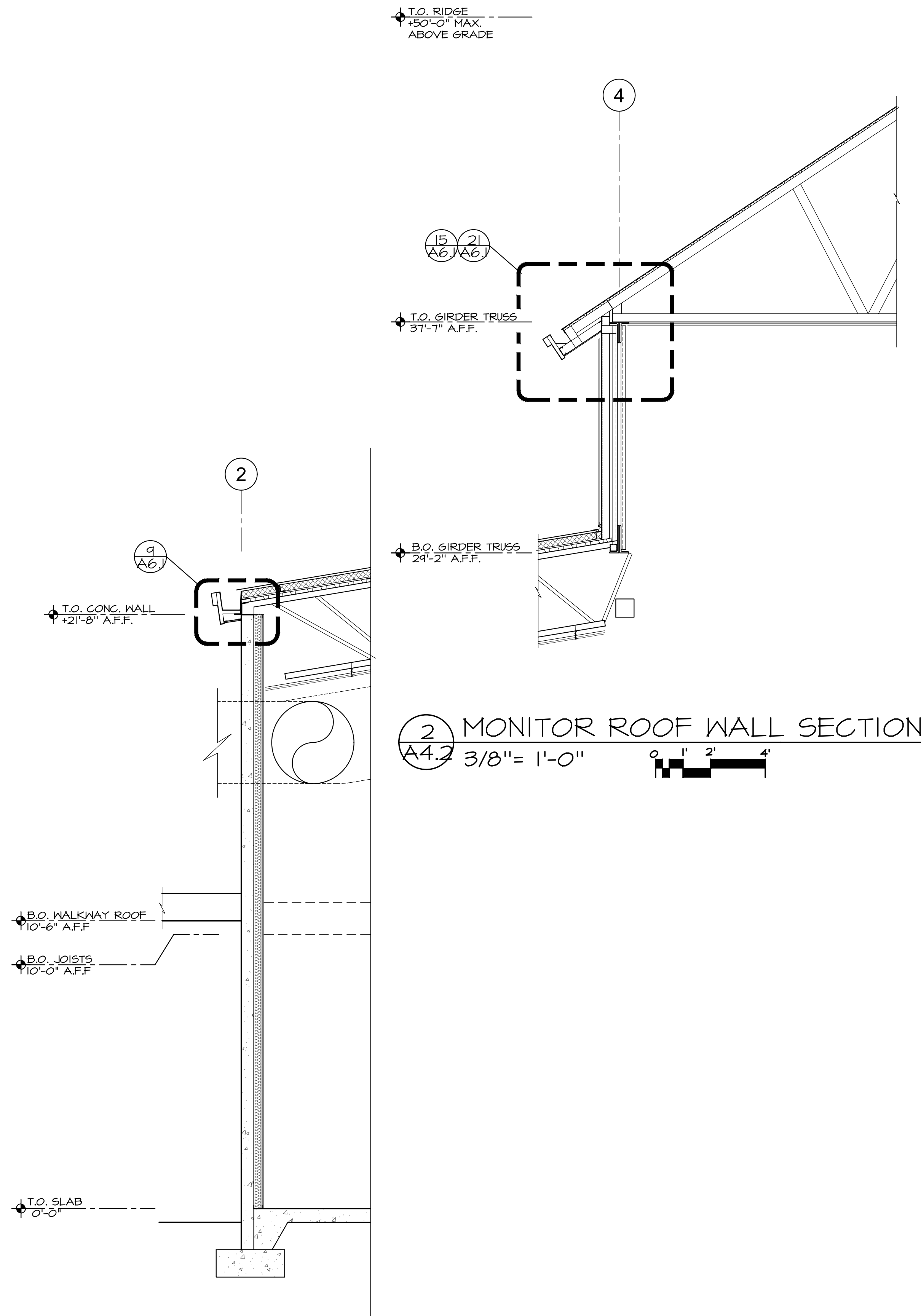
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Checked By: DB
Issue Date: Nov. 30, 2023
Drawing Title Name: Horizon Sanctuary

Sheet Number
A4.2

GENERAL NOTES:

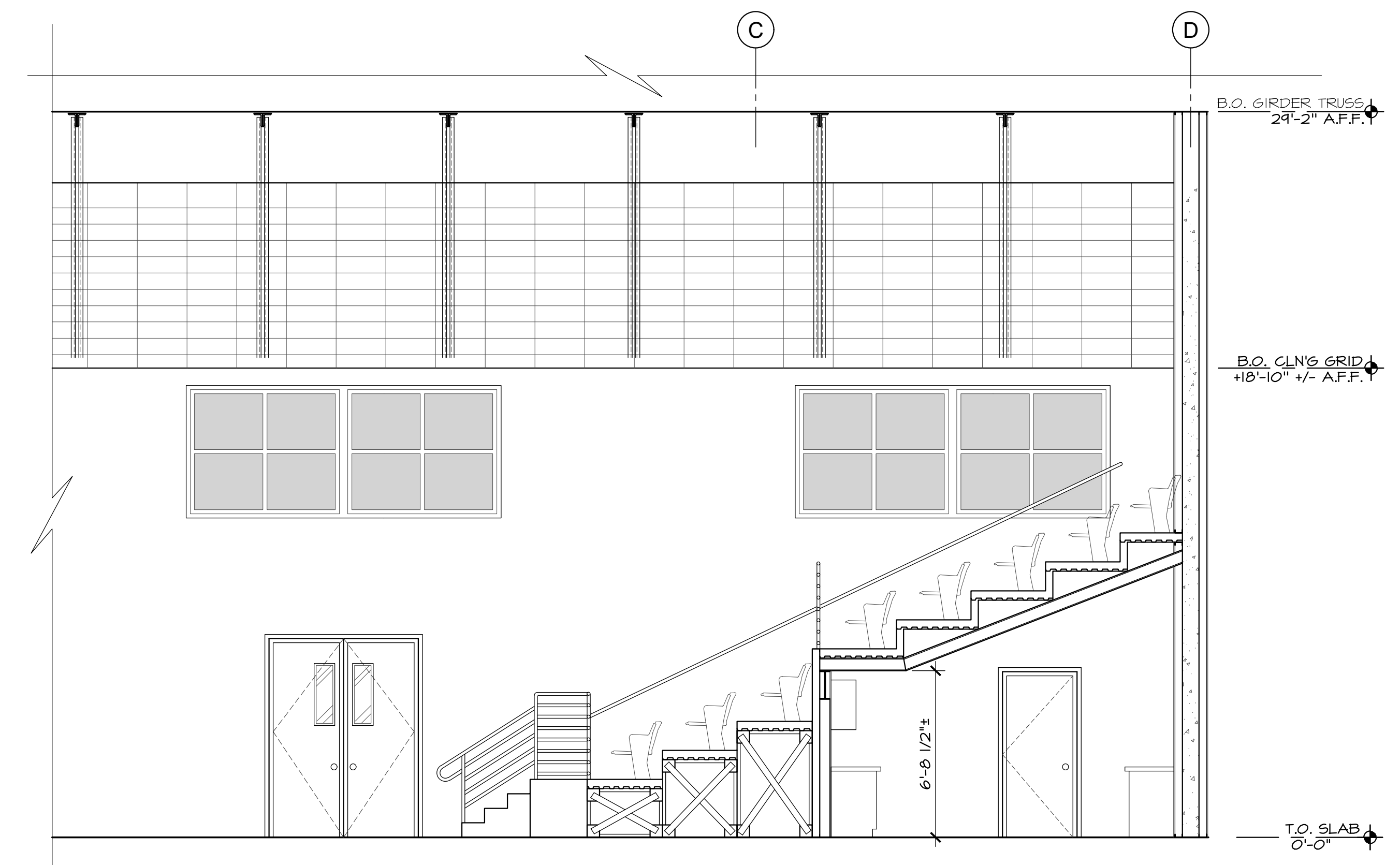
KEY NOTES:

PERMIT SET

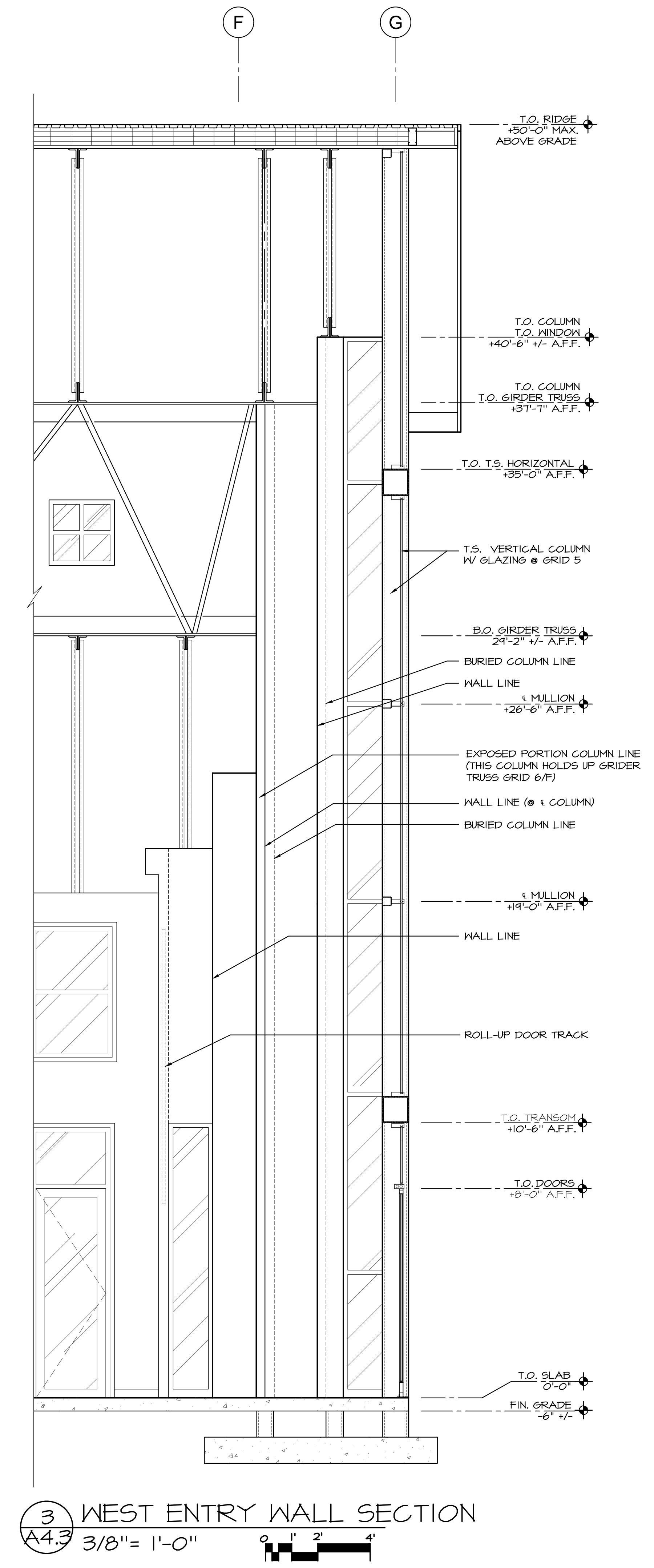
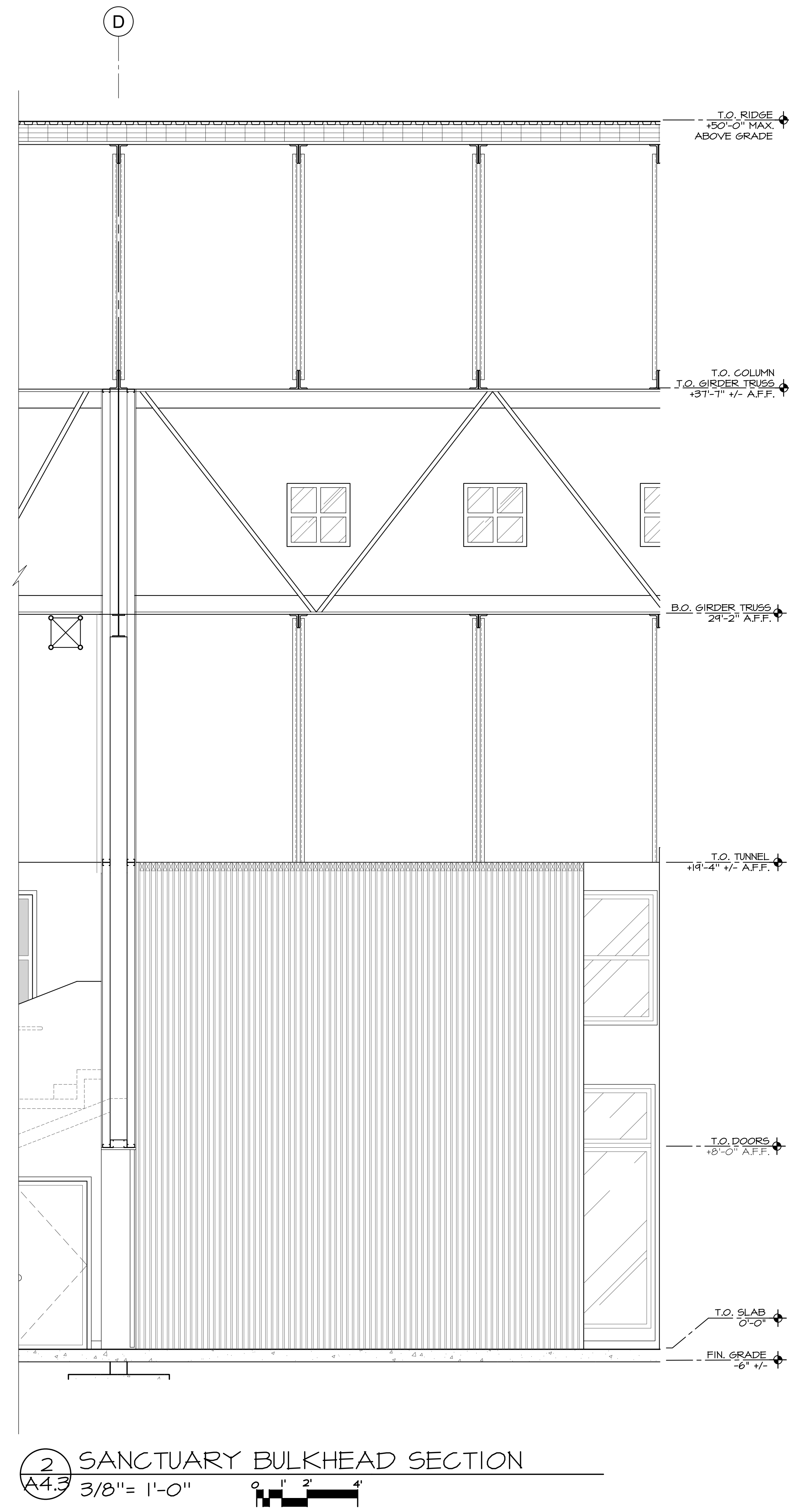
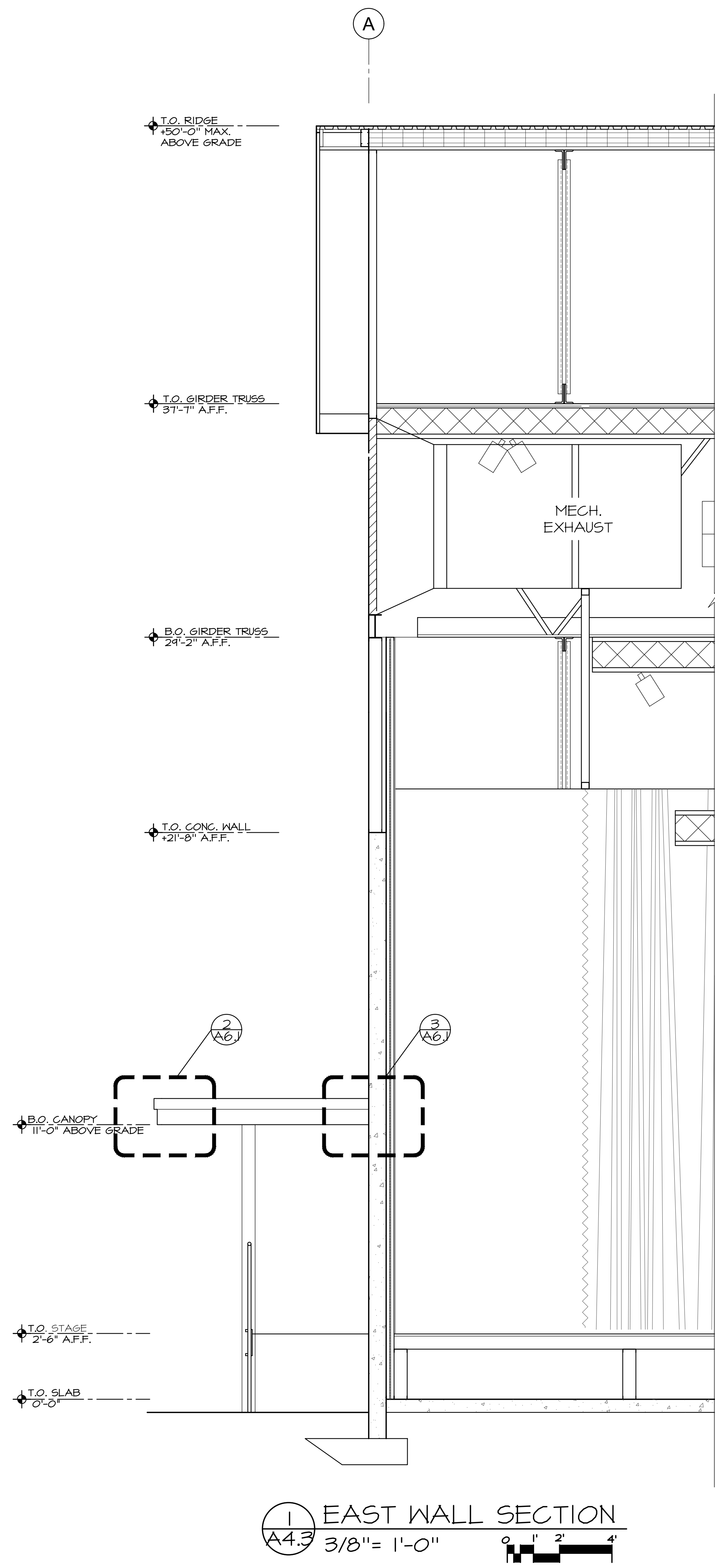
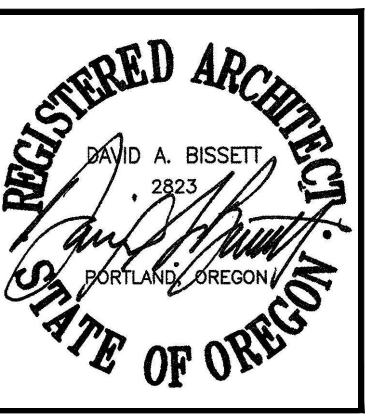


2 MONITOR ROOF WALL SECTION
A4.2 3/8" = 1'-0"

1 TYP. NORTH or SOUTH SANCTUARY WALL
A4.2 3/8" = 1'-0"



3 THEATER SEATING SECTION
A4.1 1/4" = 1'-0"

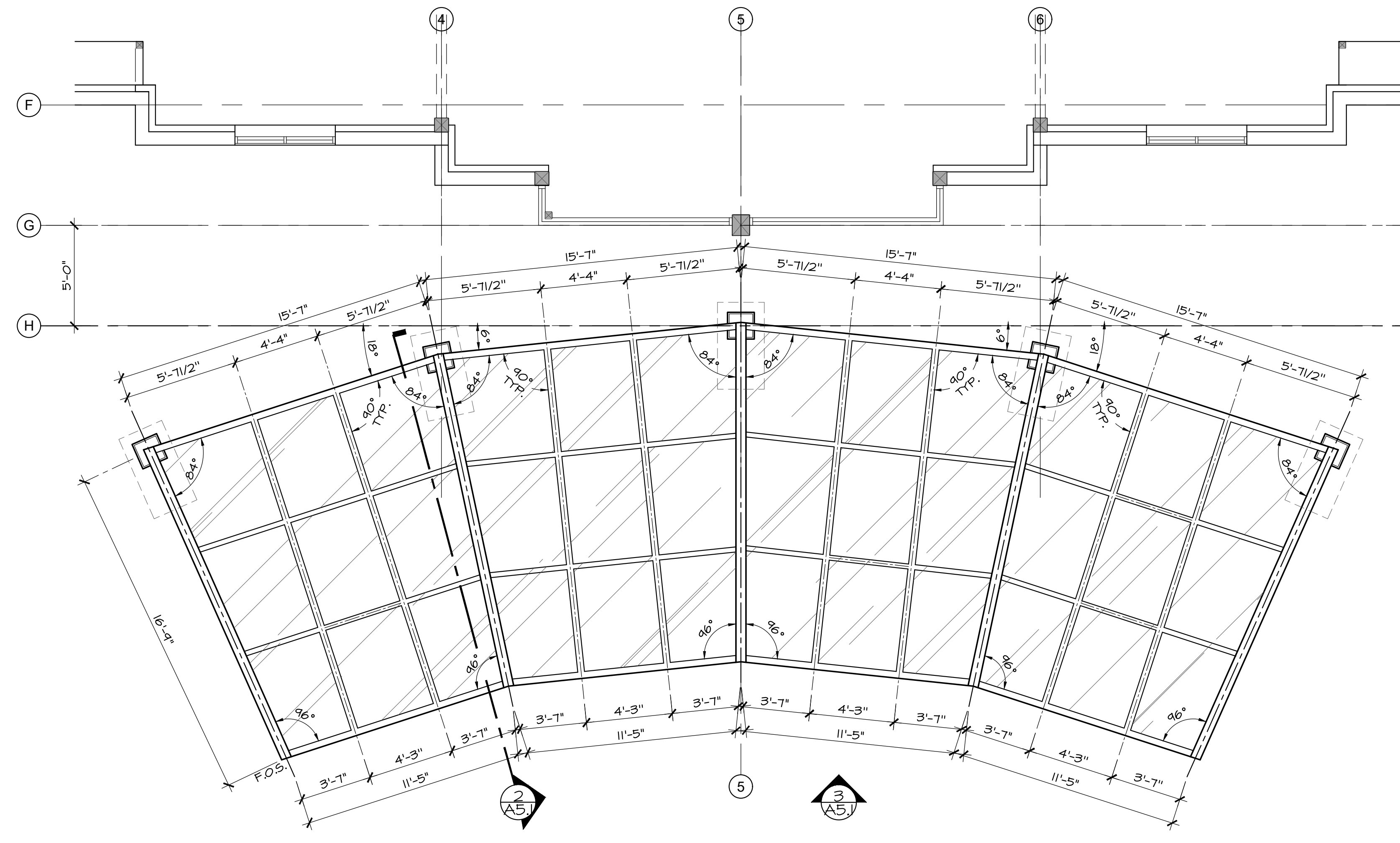


GENERAL NOTES:	KEY NOTES:

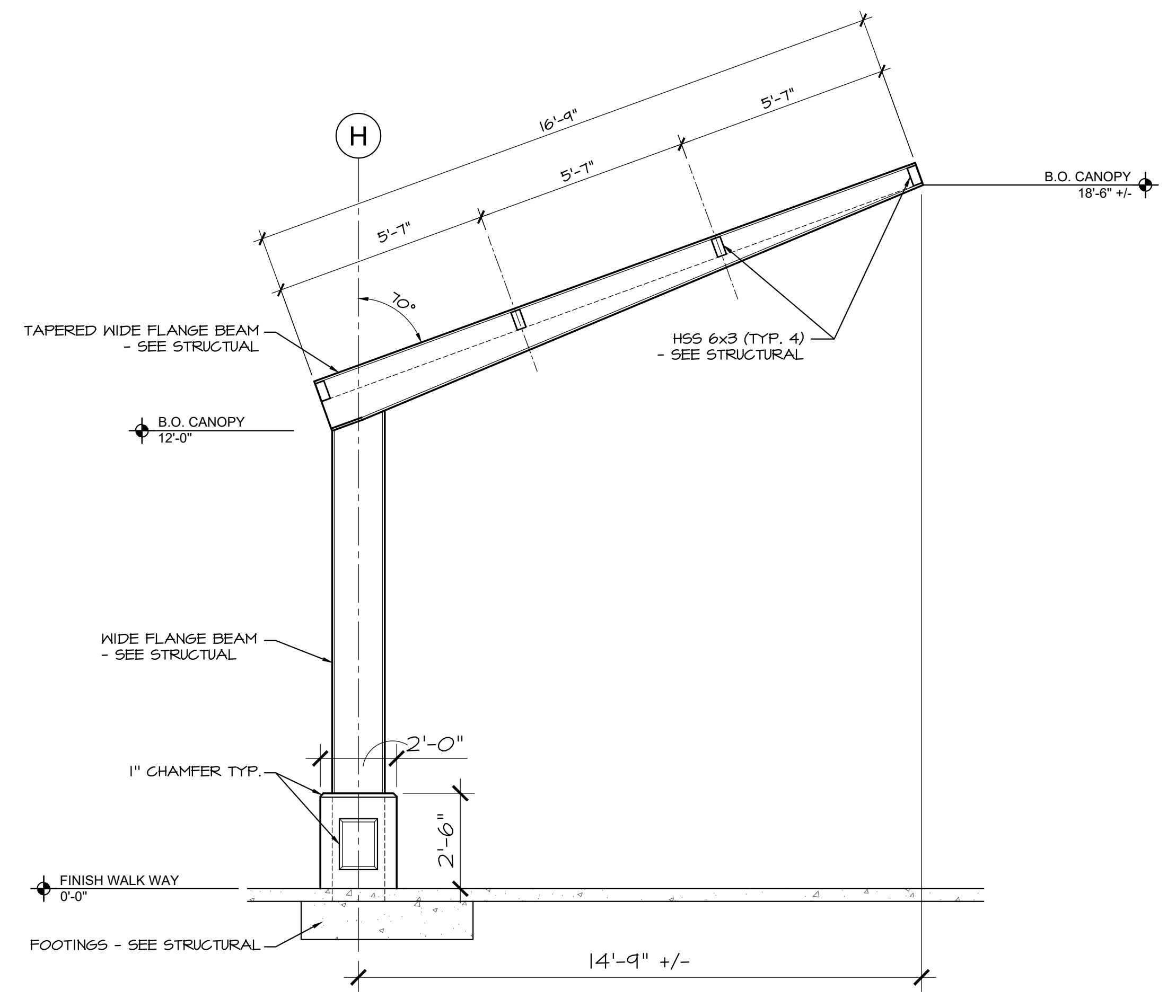
Revisions

Drawn By	Checked By
TA	DB
Issue Date	Nov. 30, 2023
Drawing Title	Horizon Sanctuary

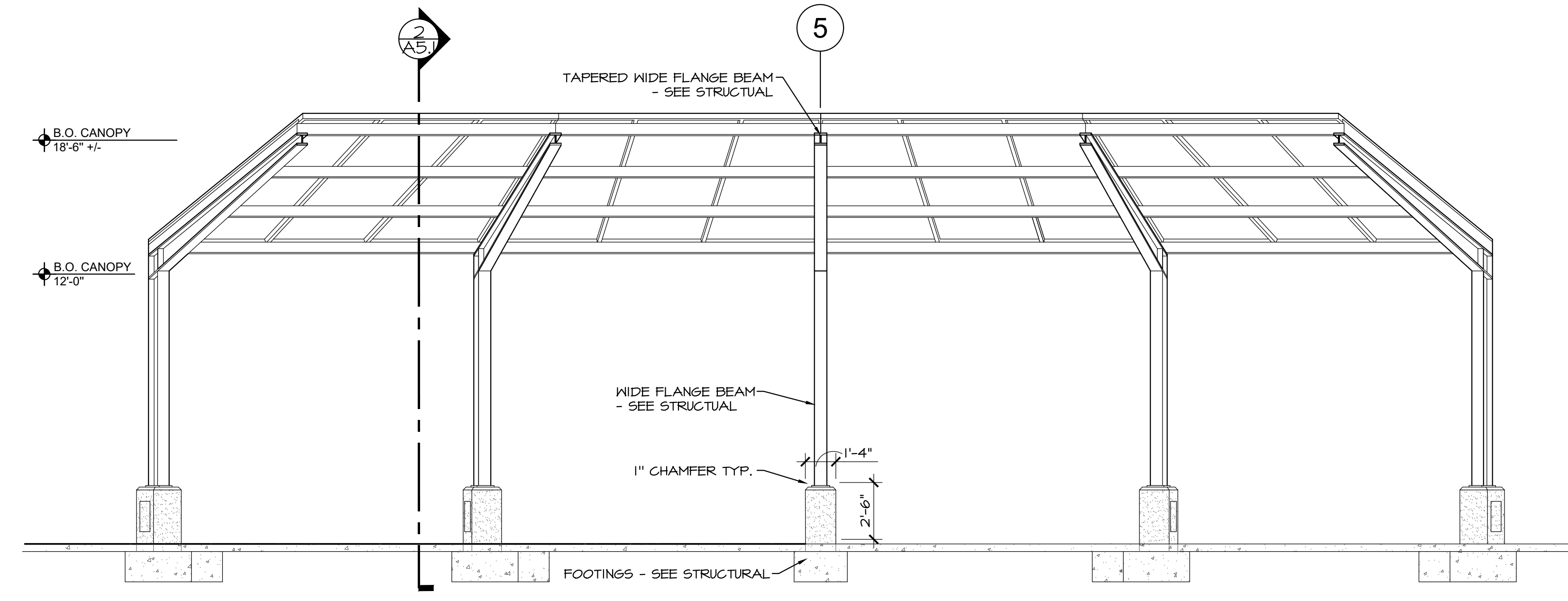
Sheet Number
A4.3



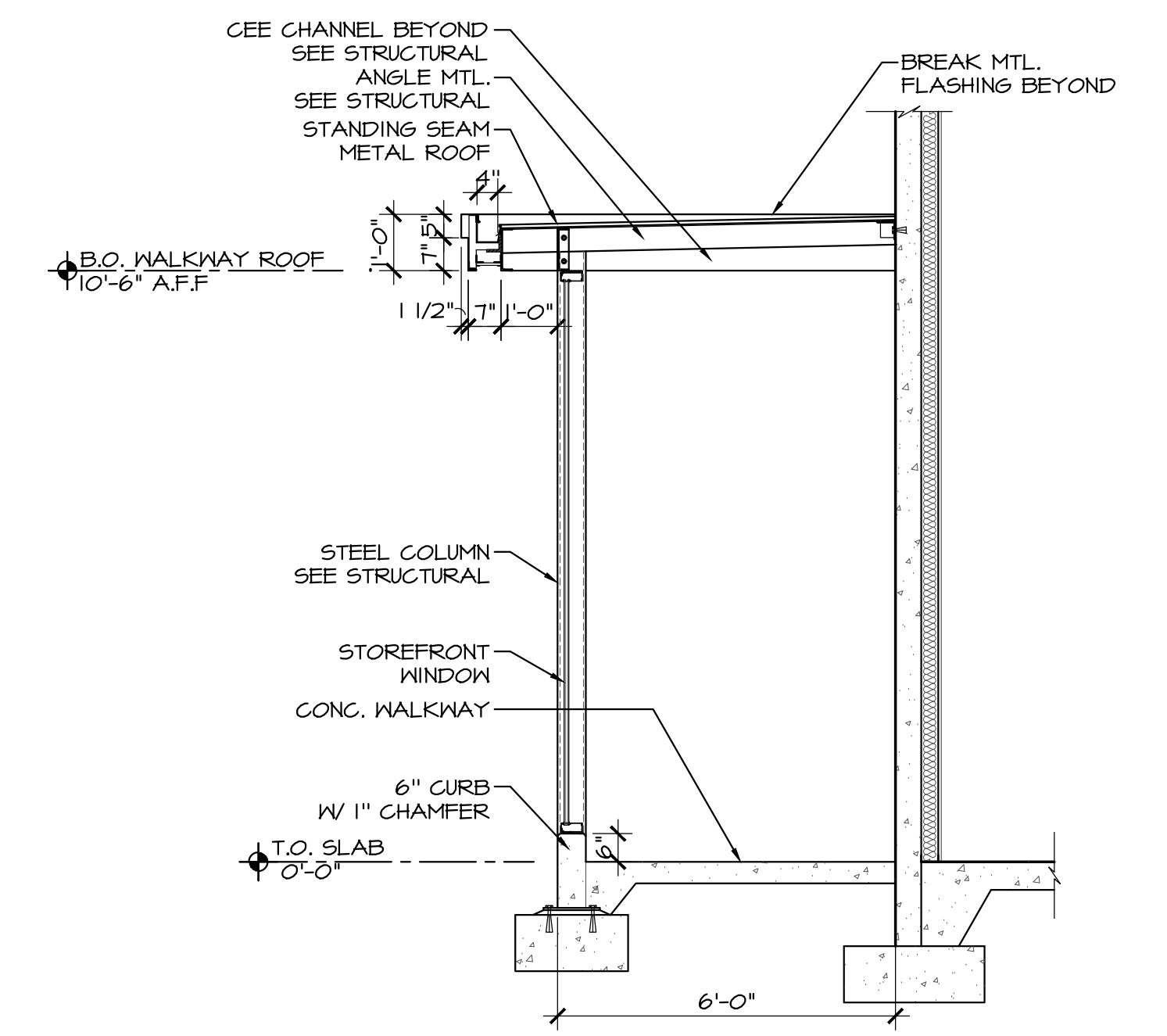
1 FRONT ENTRY CANOPY PLAN
A5.1 1/4" = 1'-0" 0 1 2 4



2 FRONT ENTRY CANOPY SECTION
A5.1 3/8" = 1'-0" 0 1 2 4



3 FRONT ENTRY CANOPY ELEVATION
A5.1 1/4" = 1'-0" 0 1 2 4



4 NORTH SIDE ENCLOSED WALK WAY SECTION
A5.1 3/8" = 1'-0" 0 1 2 4

GENERAL NOTES:
KEY NOTES:
PERMIT SET



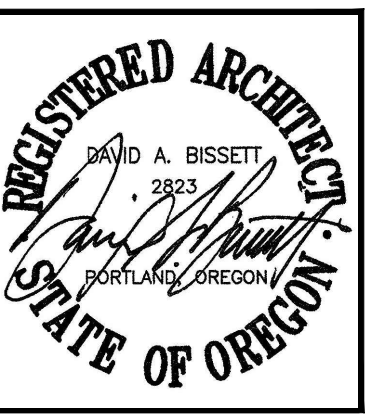
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CANOPY SECTIONS & DETAILS
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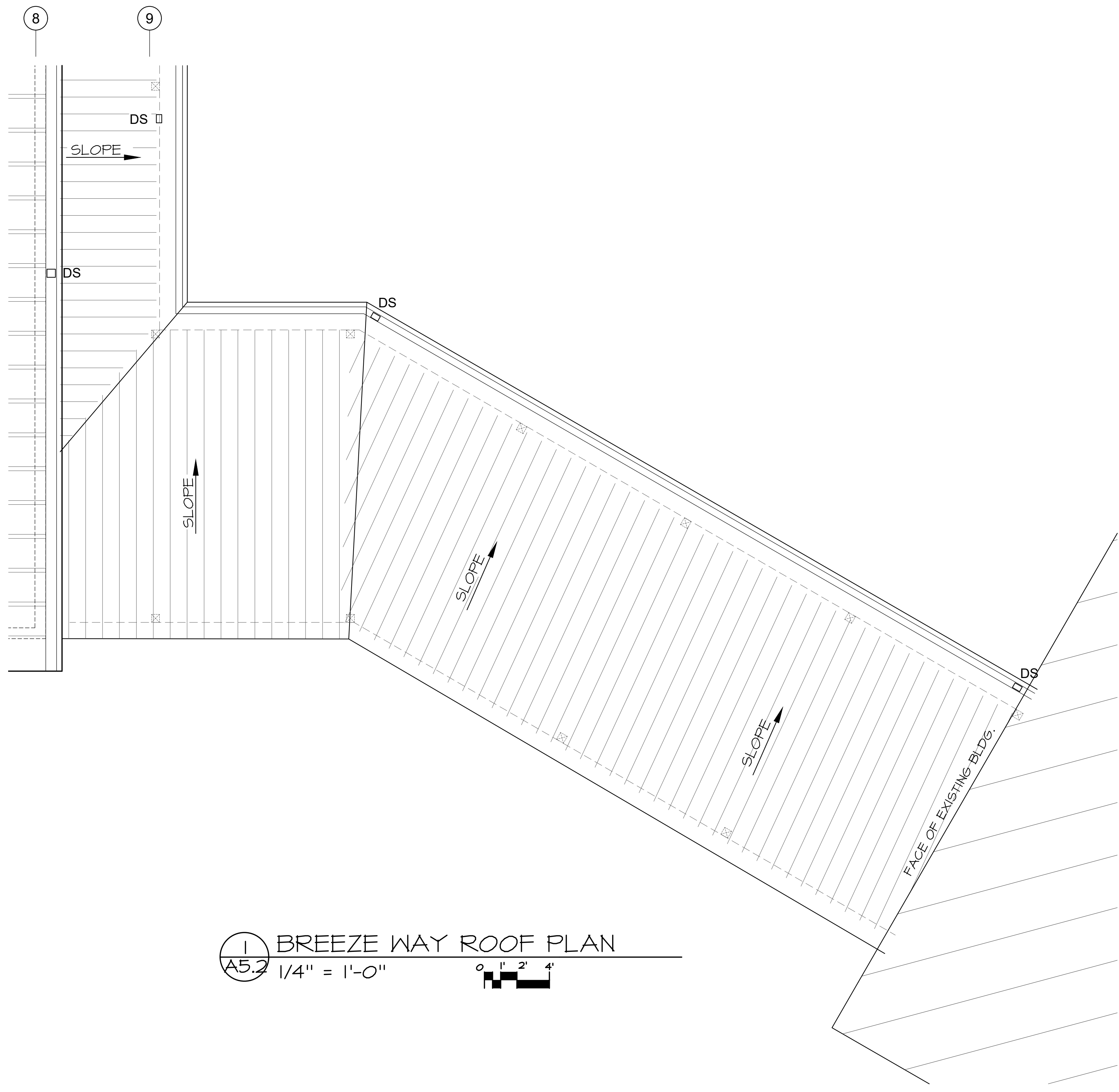
Revisions

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TA	DB
Issue Date	Nov. 30, 2023
Drawing Title Name	Horizon Sanctuary
Sheet Number	A5.1

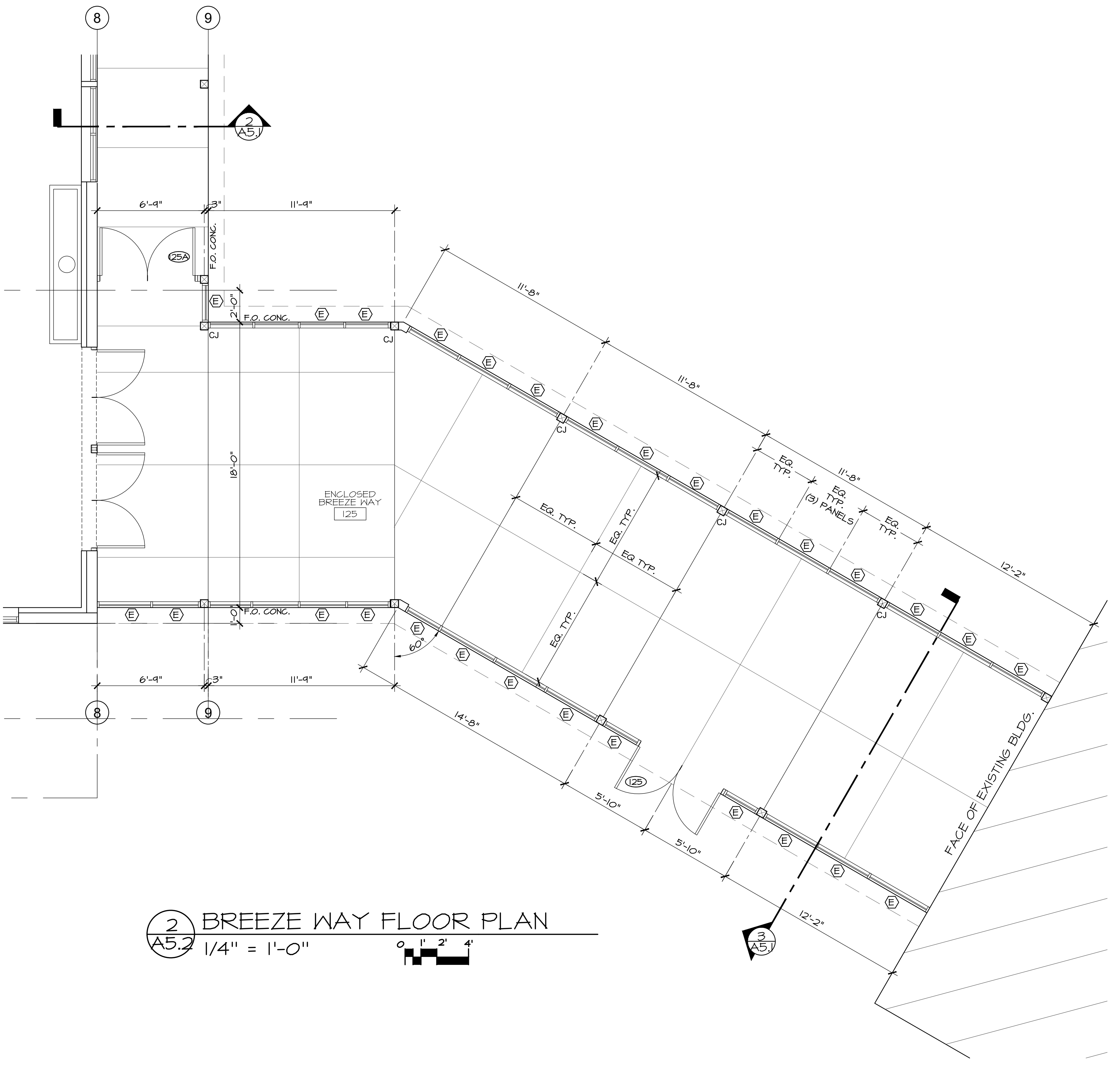


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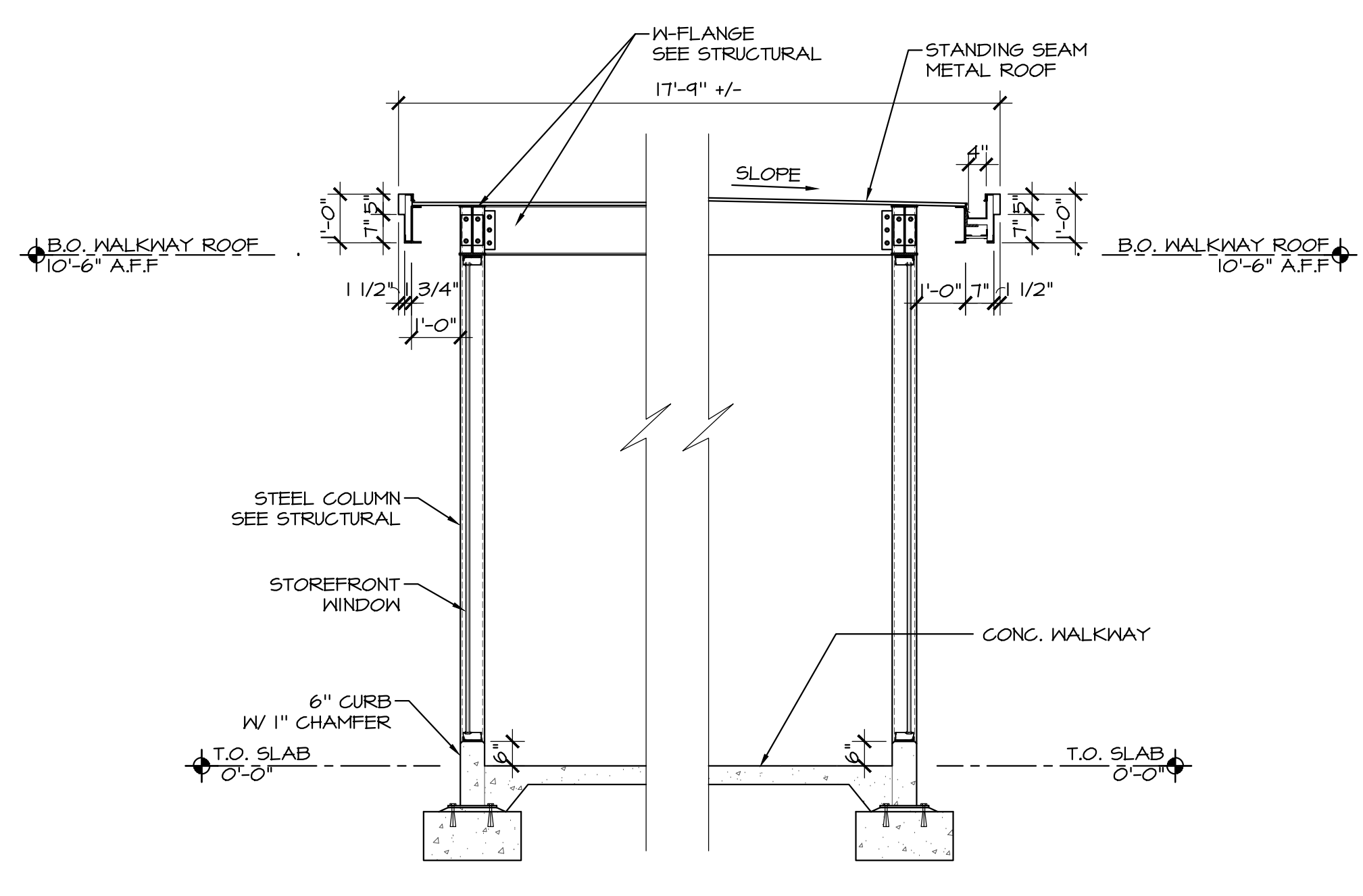
BREEZE WAY PLANS & SECTIONS
HORIZON COMMUNITY CHURCH
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TUALATIN, OR



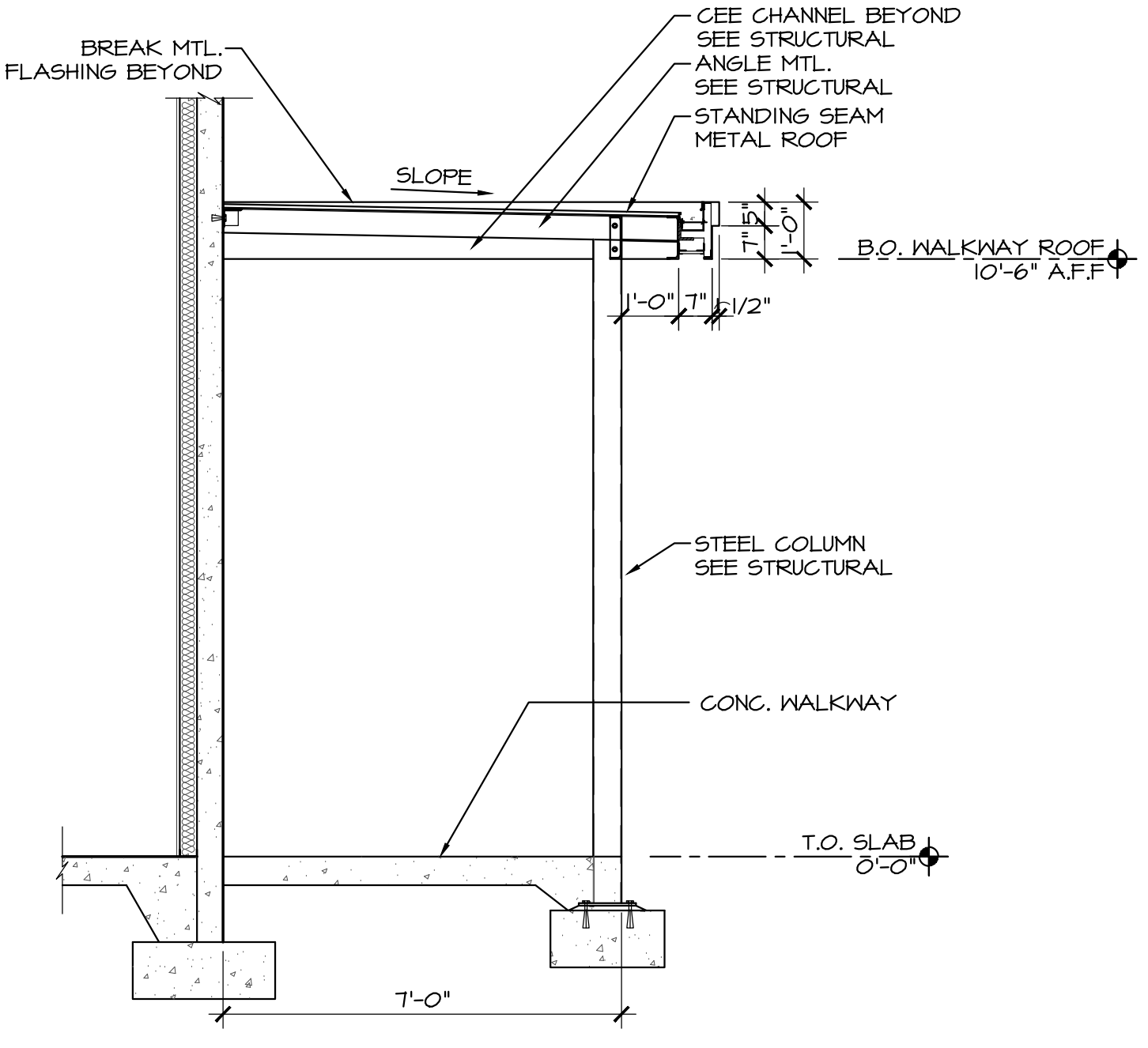
1 BREEZE WAY ROOF PLAN
A5.2 1/4" = 1'-0"



2 BREEZE WAY FLOOR PLAN
A5.2 1/4" = 1'-0"



3 BREEZE WAY WALL SECTION'S
A5.2 3/8" = 1'-0"



4 SOUTH SIDE WALK WAY WALL SECTION
A5.2 3/8" = 1'-0"

GENERAL NOTES:

KEY NOTES:

Revisions

Drawn By	Checked By
TA	DB
Issue Date	Nov. 30, 2023
Drawing Title	Horizon Sanctuary
Sheet Number	A5.2

PERMIT SET



Revisions	

Drawn By	Checked By
TA	DB
Issue Date	Nov. 30, 2023
Drawing File Name	Horizon Sanctuary
Sheet Number	A6.1

1
A6.1

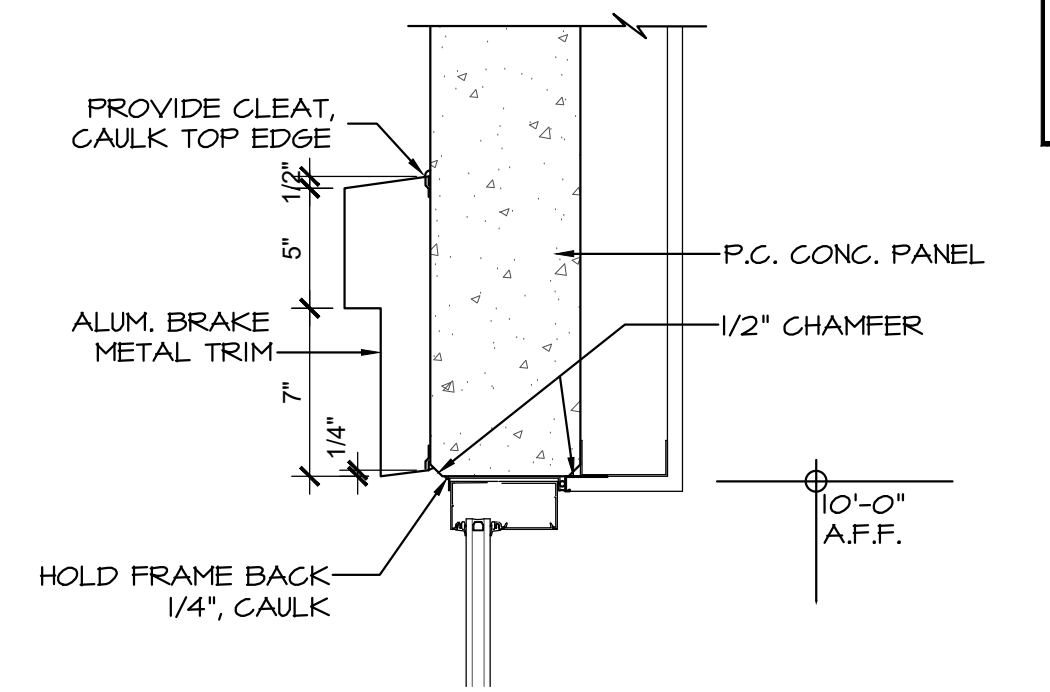
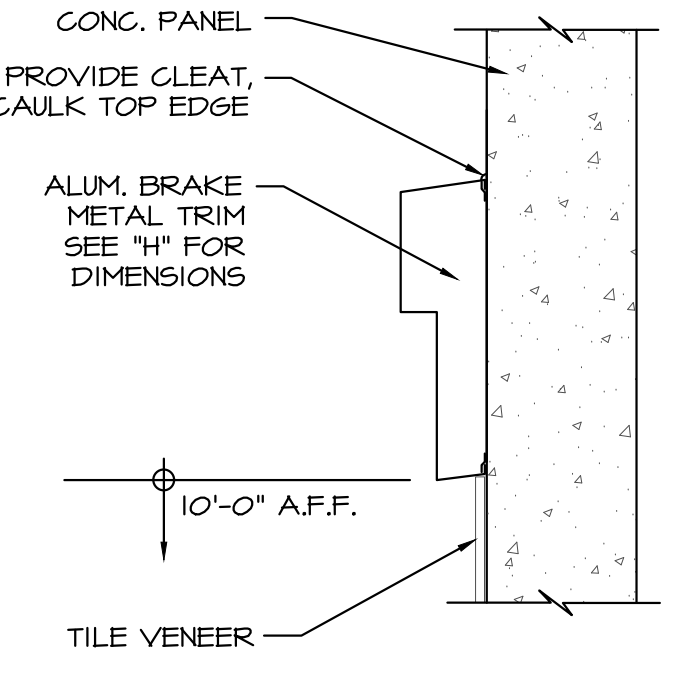
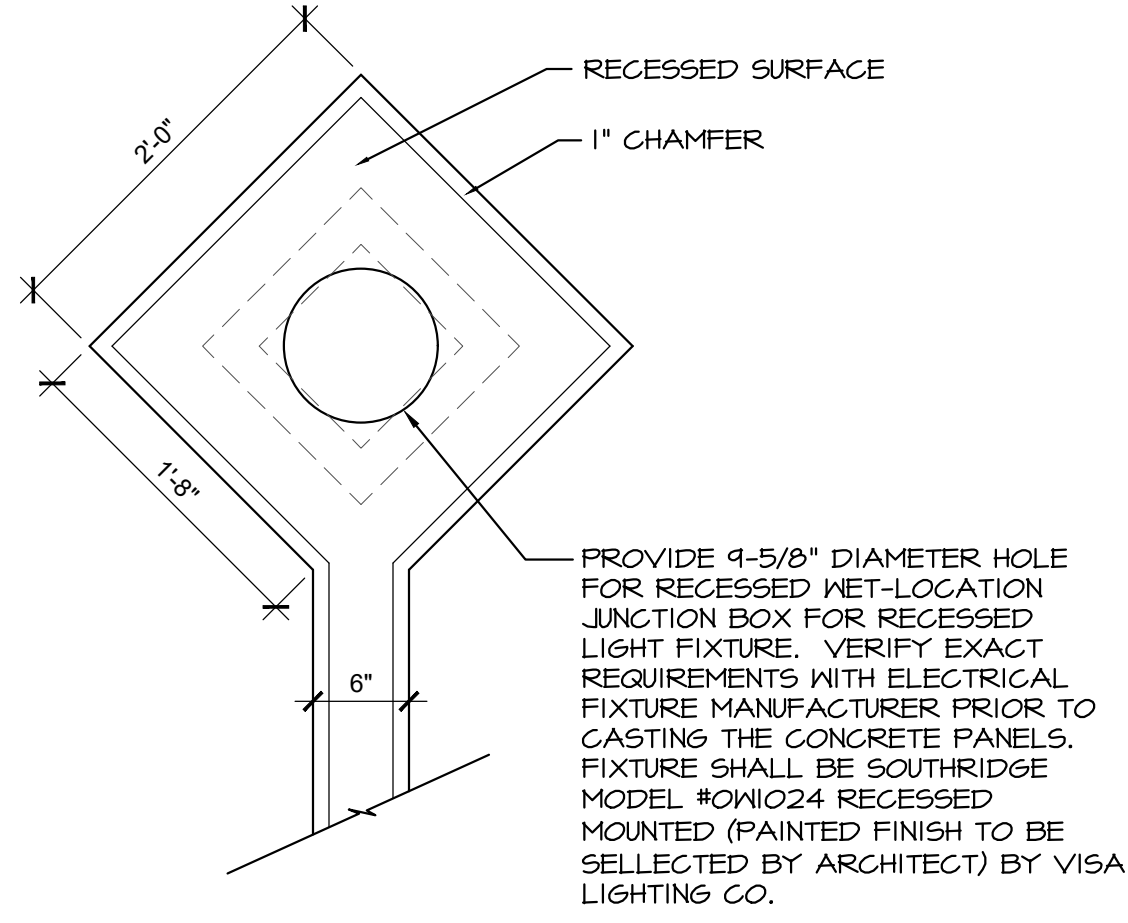
2
A6.1

3
A6.1

4 RECESS DETAIL
1"=1'-0"

5 TRIM @ TILE
1/2"=1'-0"

6 HEAD @ WEST ELEV.
1/2"=1'-0"



7
A6.1

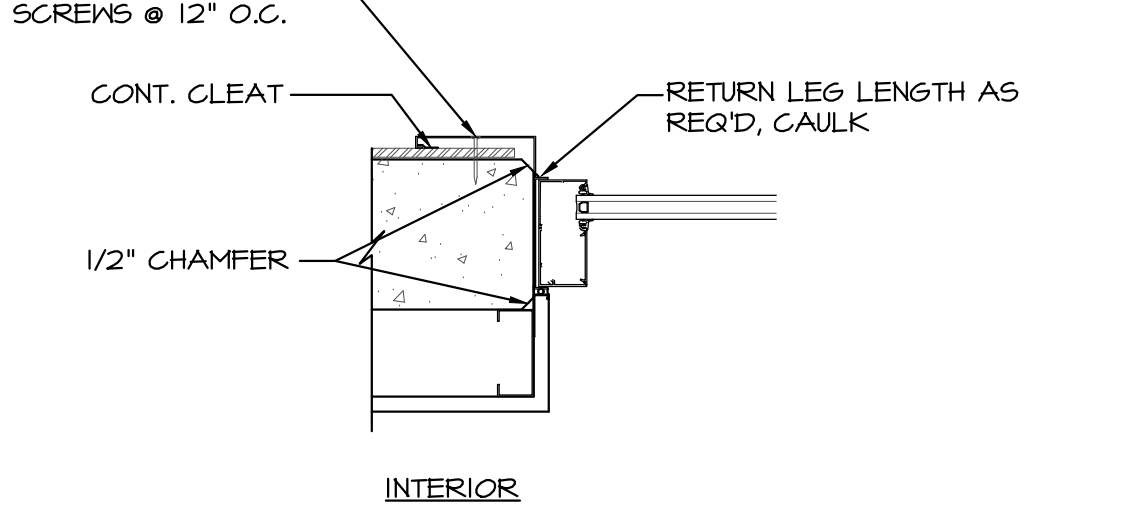
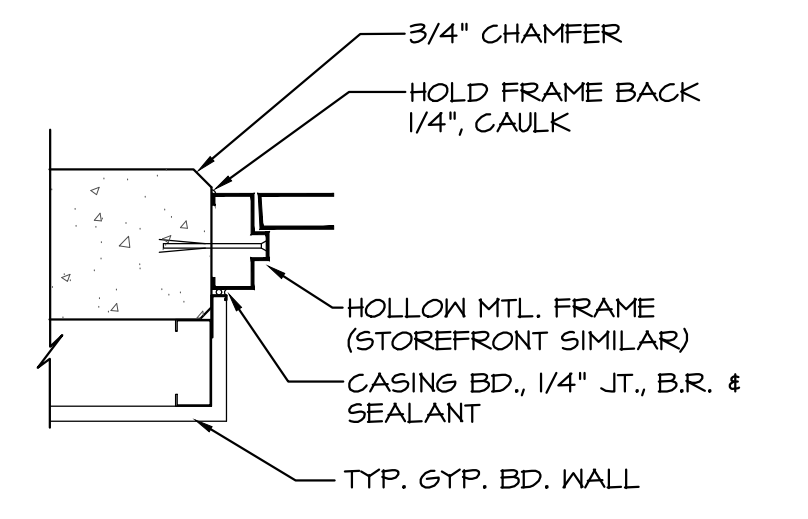
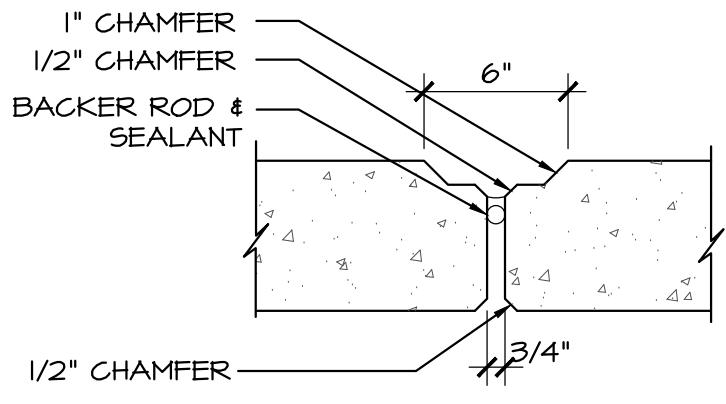
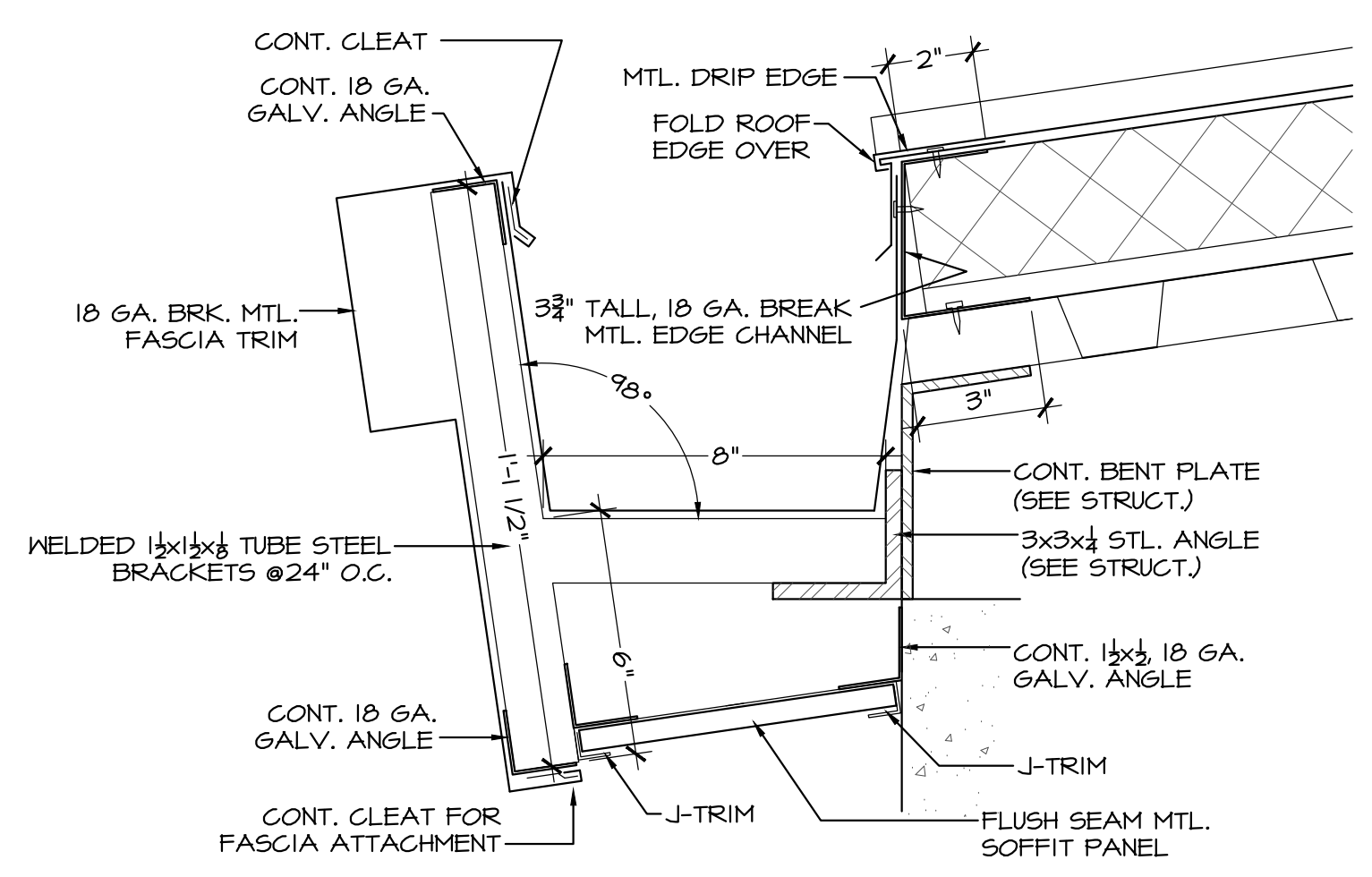
8
A6.1

9 GUTTER DETAIL
3"=1'-0"

10 PANEL JOINT @ WEST
1/2"=1'-0"

11 DOOR JAMB (HEAD, SILL SIMILAR)
(WINDOW DETAILS SIMILAR)
1/2"=1'-0"

12 LOWER JAMB @ WEST
1/2"=1'-0"



13
A6.1

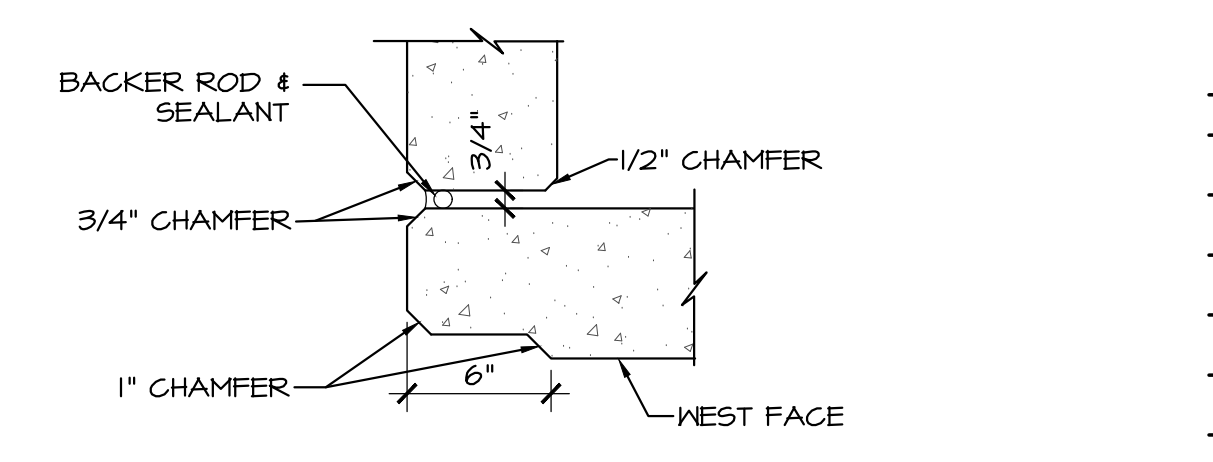
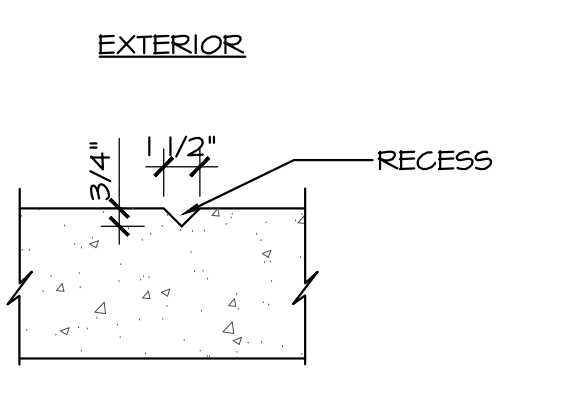
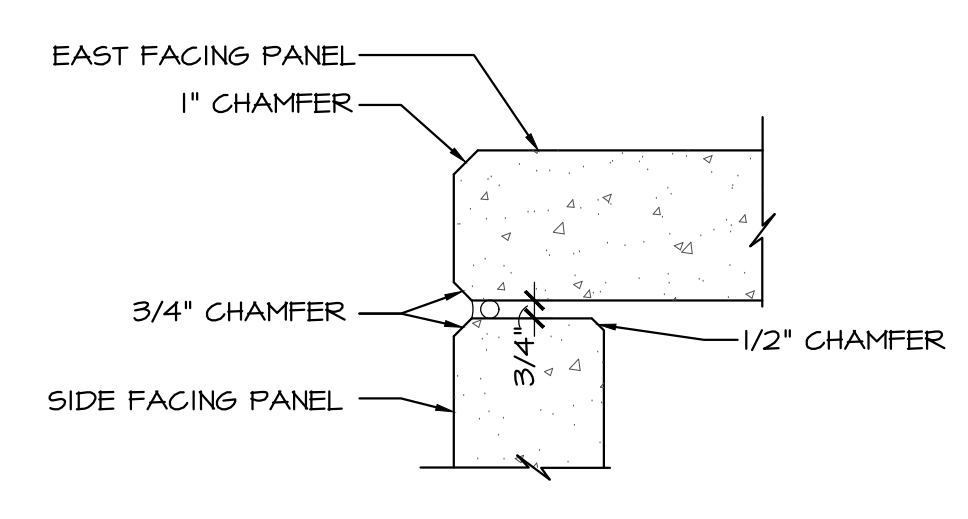
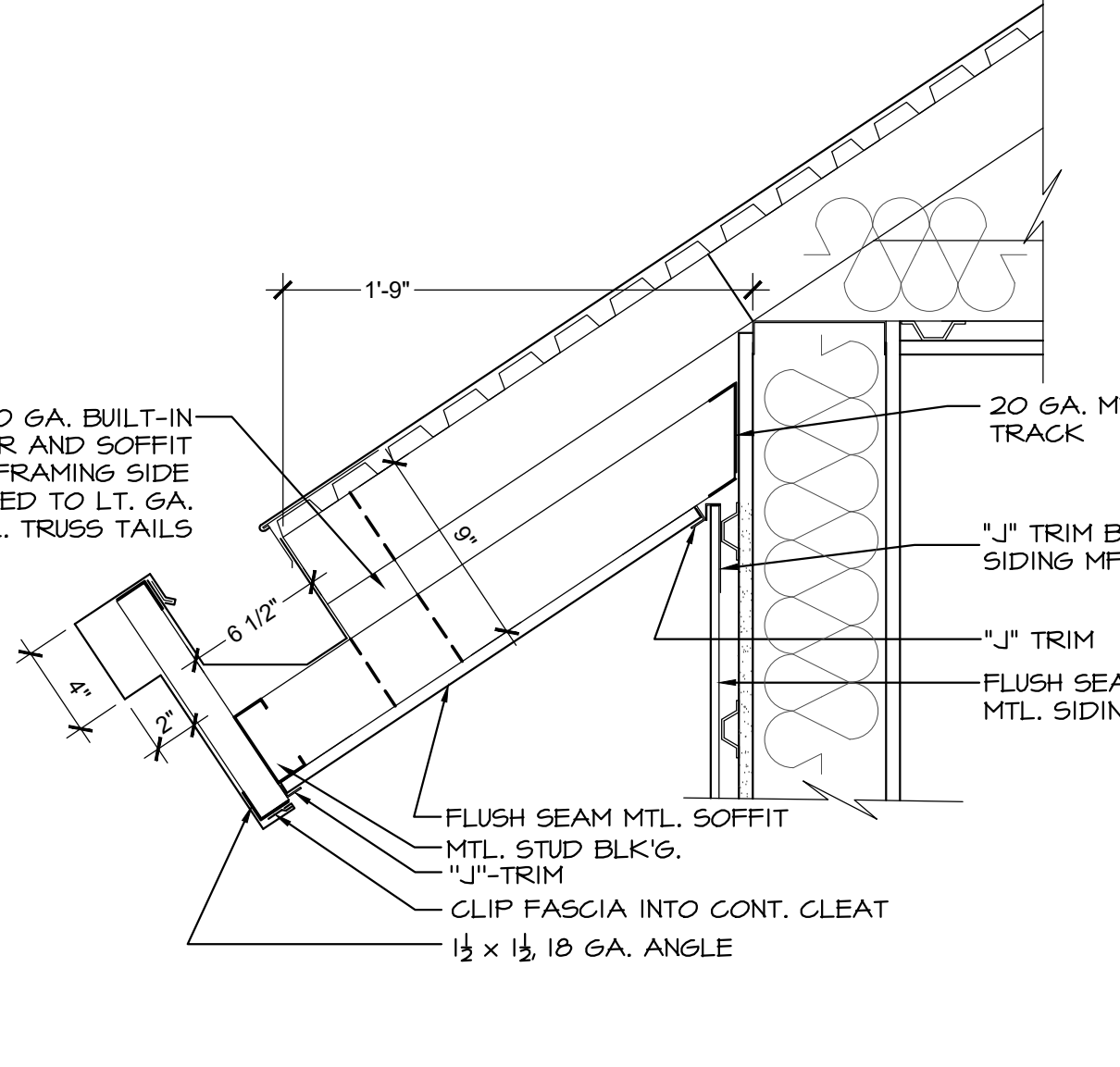
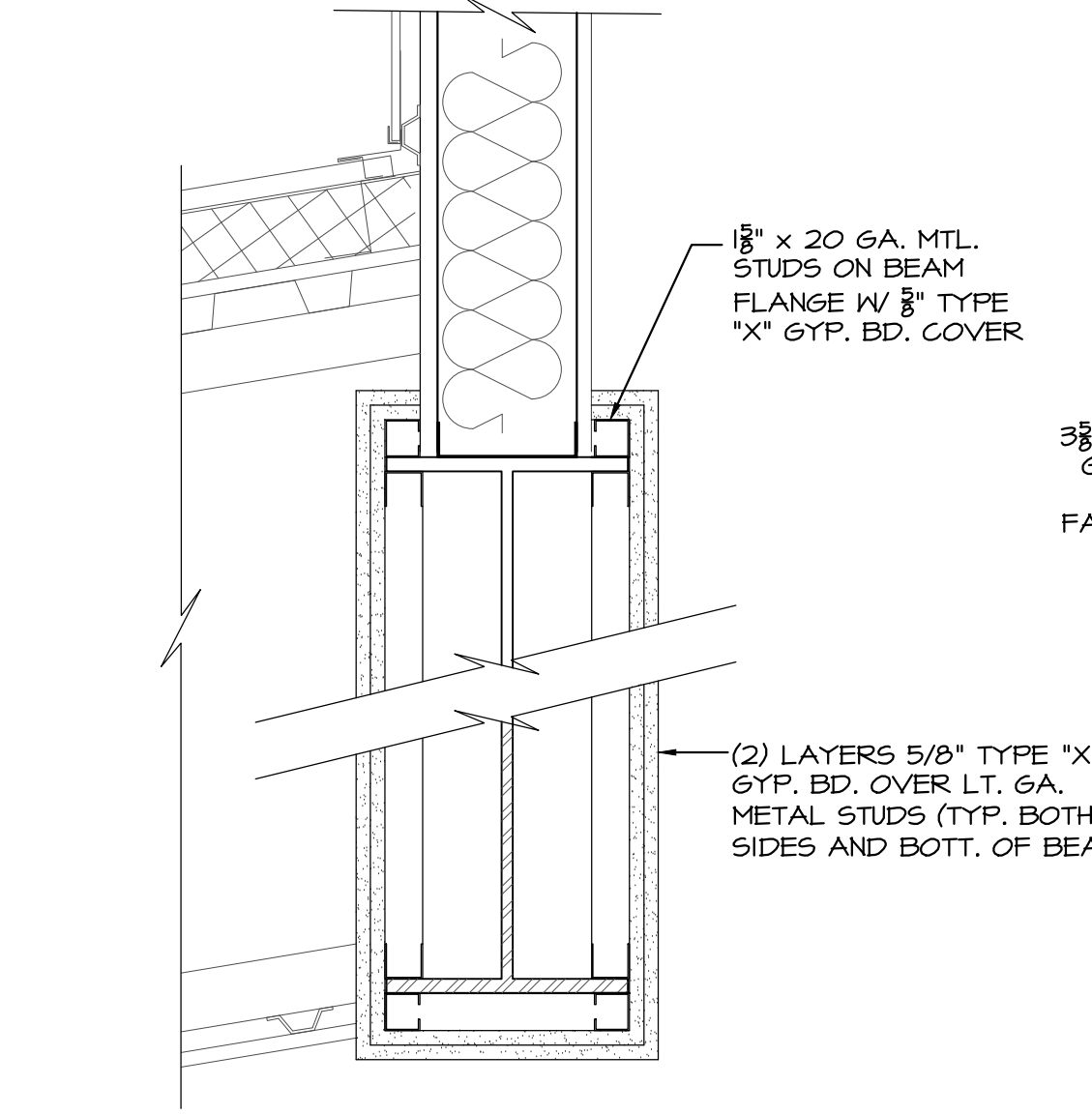
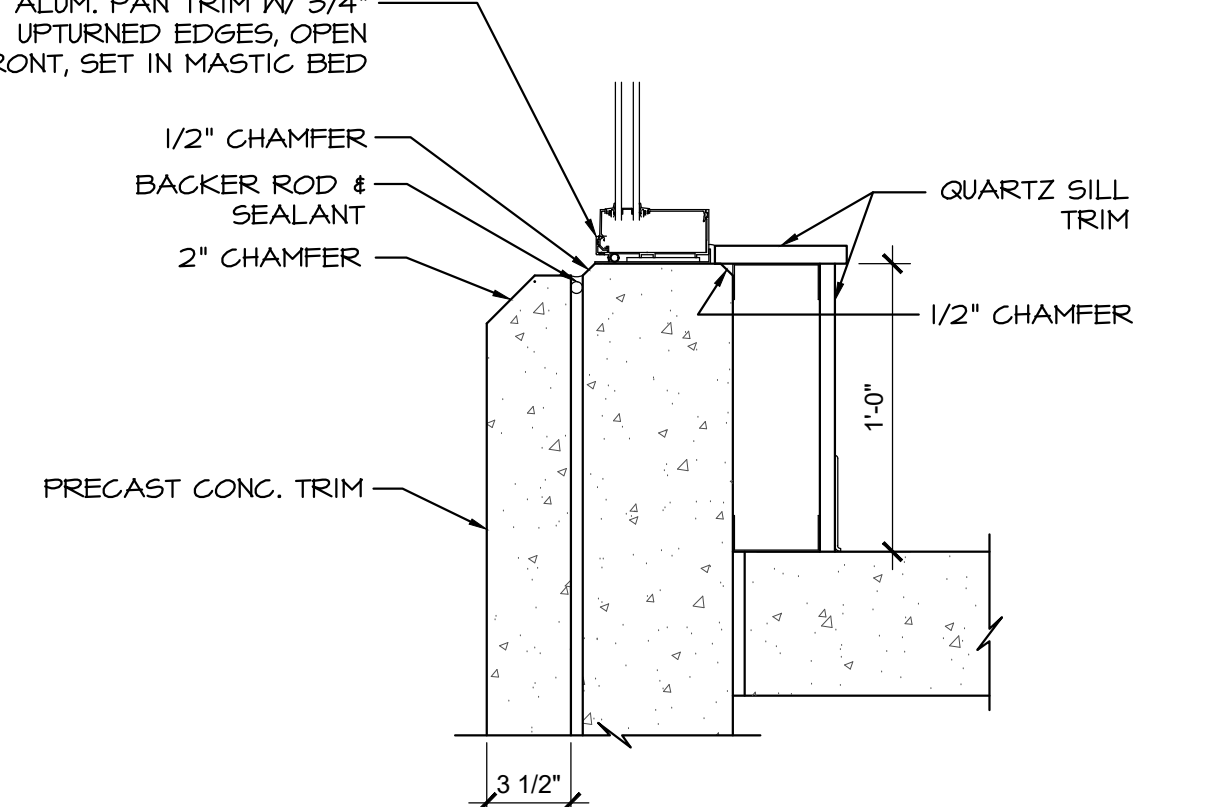
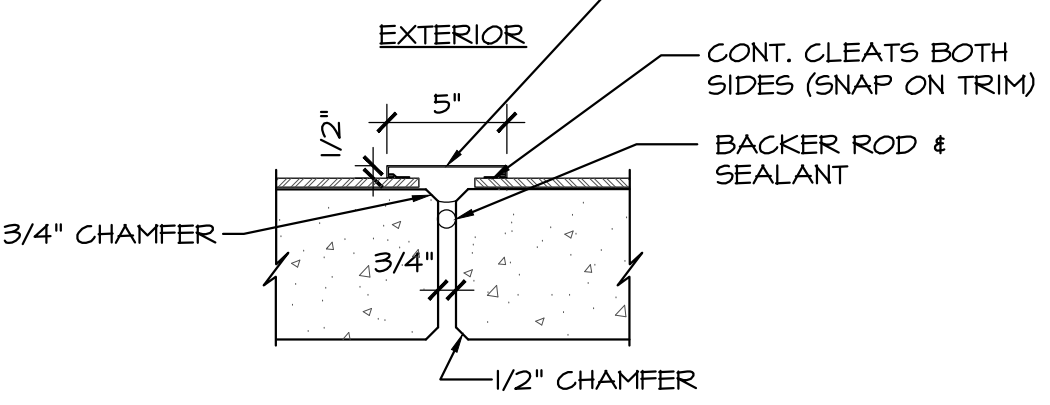
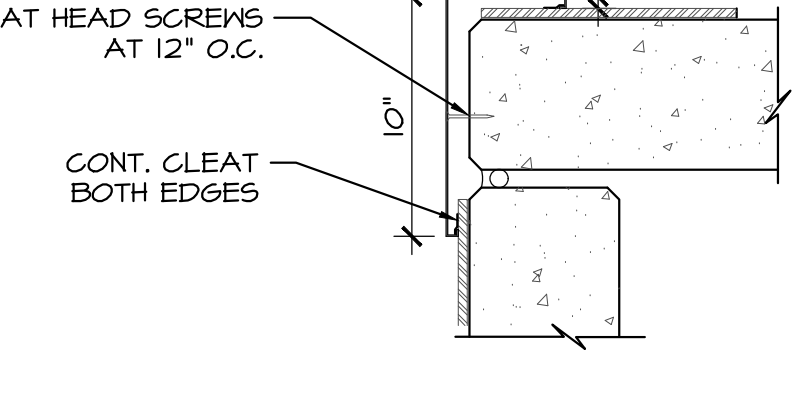
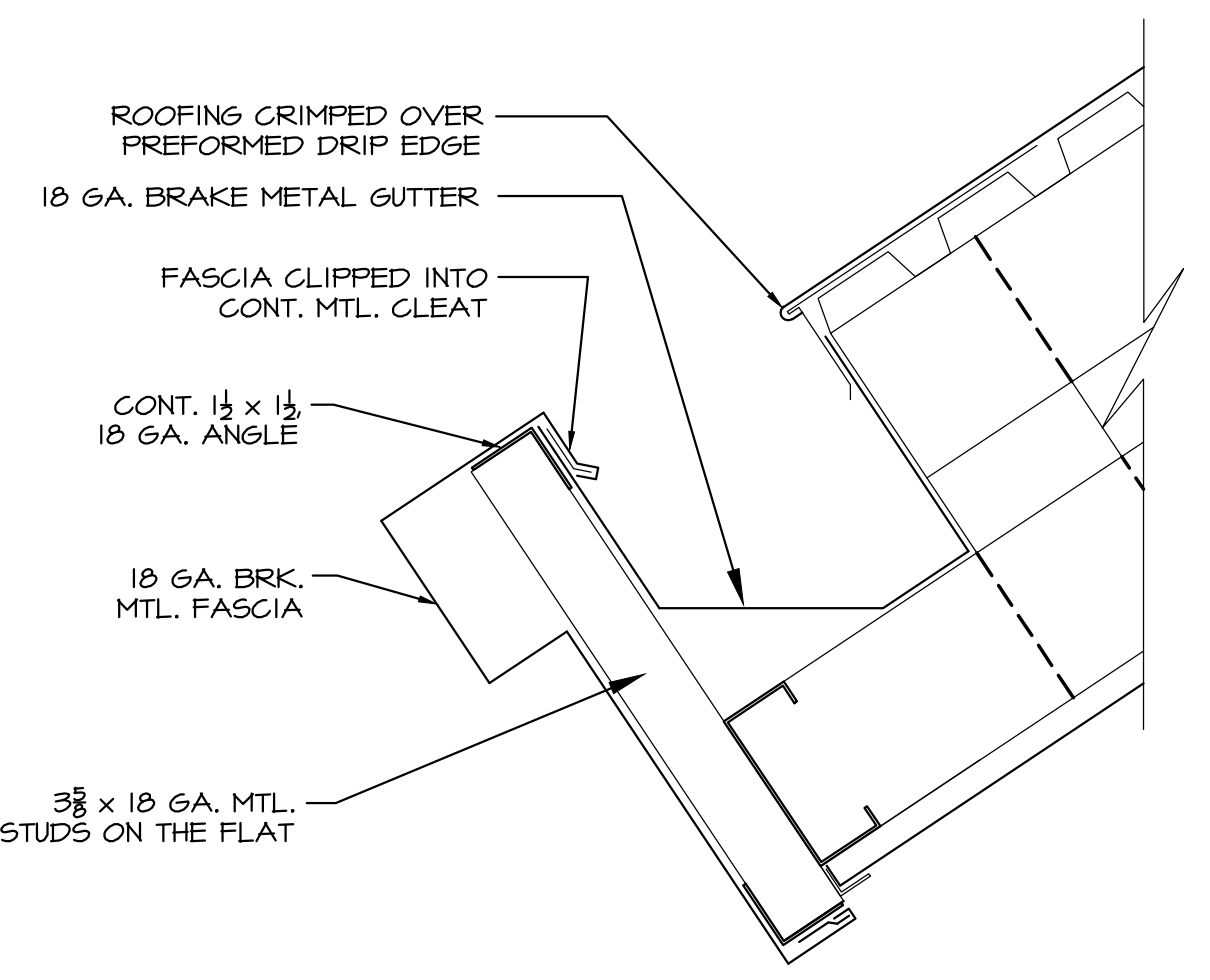
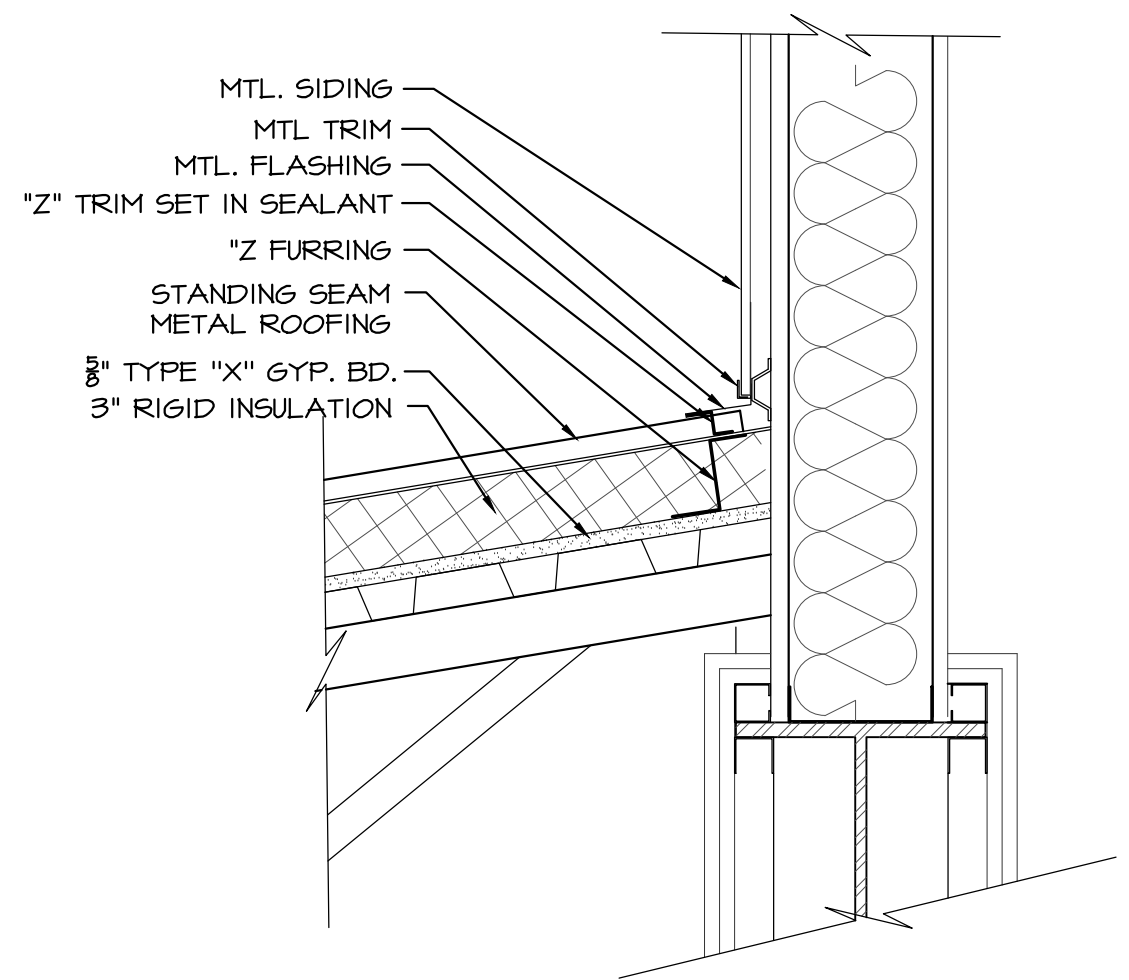
14 ROOF TO WALL
1/2"=1'-0"

15 CLERESTORY GUTTER DETAIL
3"=1'-0"

16 CORNER TRIM @ WEST
1/2"=1'-0"

17 TYP. PANEL JOINT
1/2"=1'-0"

18 PRECAST BASE TRIM
1/2"=1'-0"



19
A6.1

20 CLERESTORY BEAM
1/2"=1'-0"

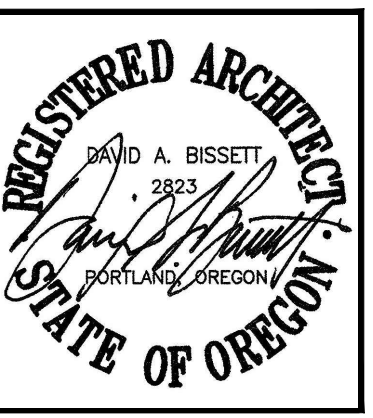
21 CLERESTORY OVERHANG
1/2"=1'-0"

22 TYP. CORNER JOINT
1/2"=1'-0"

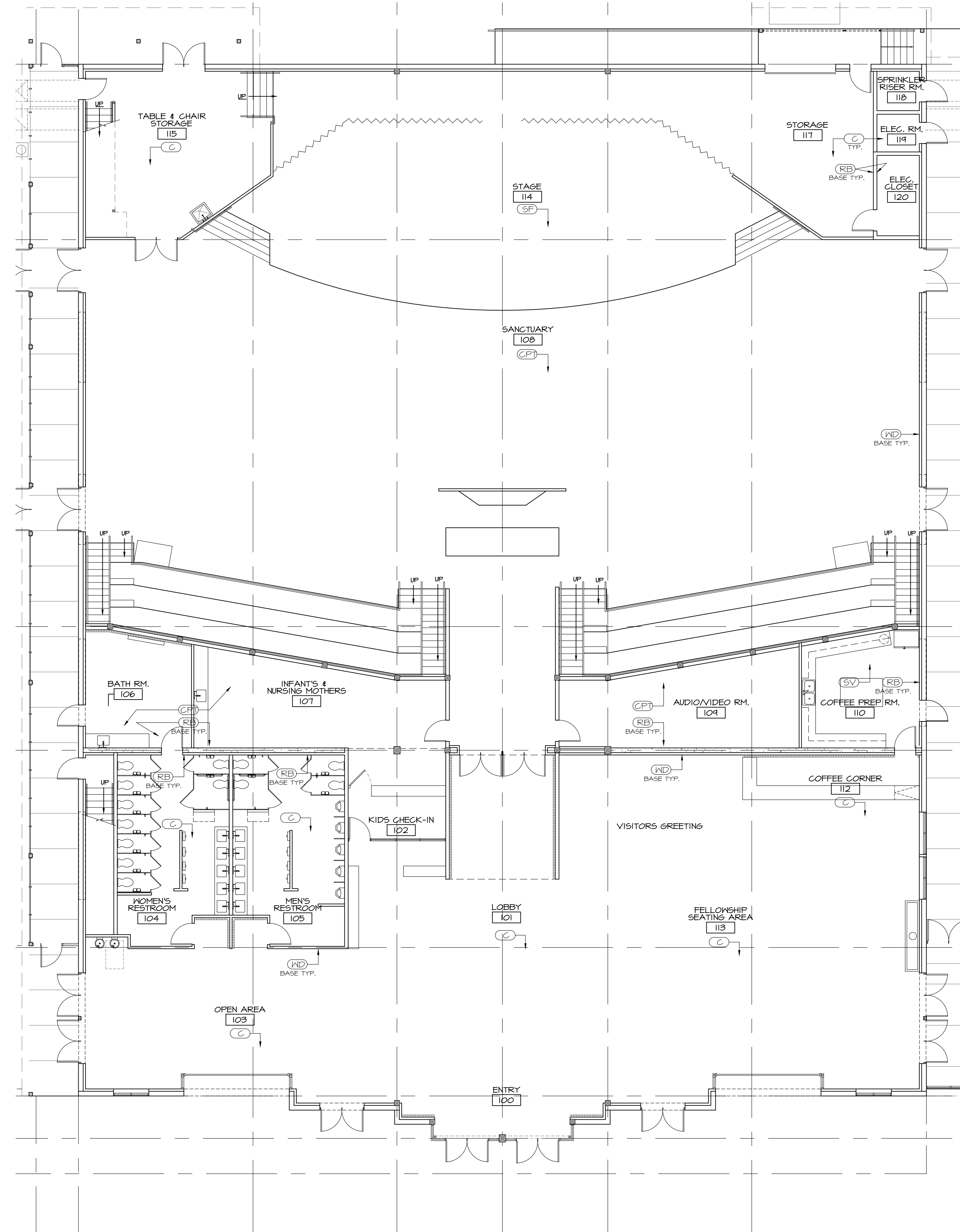
23 TYP. PANEL RECESS
1/2"=1'-0"

24 CORNER JOINT @ WEST
1/2"=1'-0"

PERMIT SET



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1 MAIN LEVEL INTERIOR PLAN
A7.1 1/8" = 1'-0"



MAIN LEVEL INTERIOR PLAN

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 TUALATIN, OR

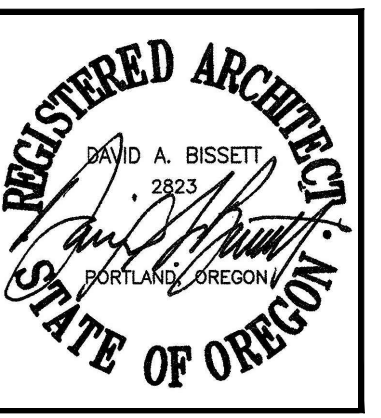


Revisions	

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 Drawing Title Name: Horizon Sanctuary

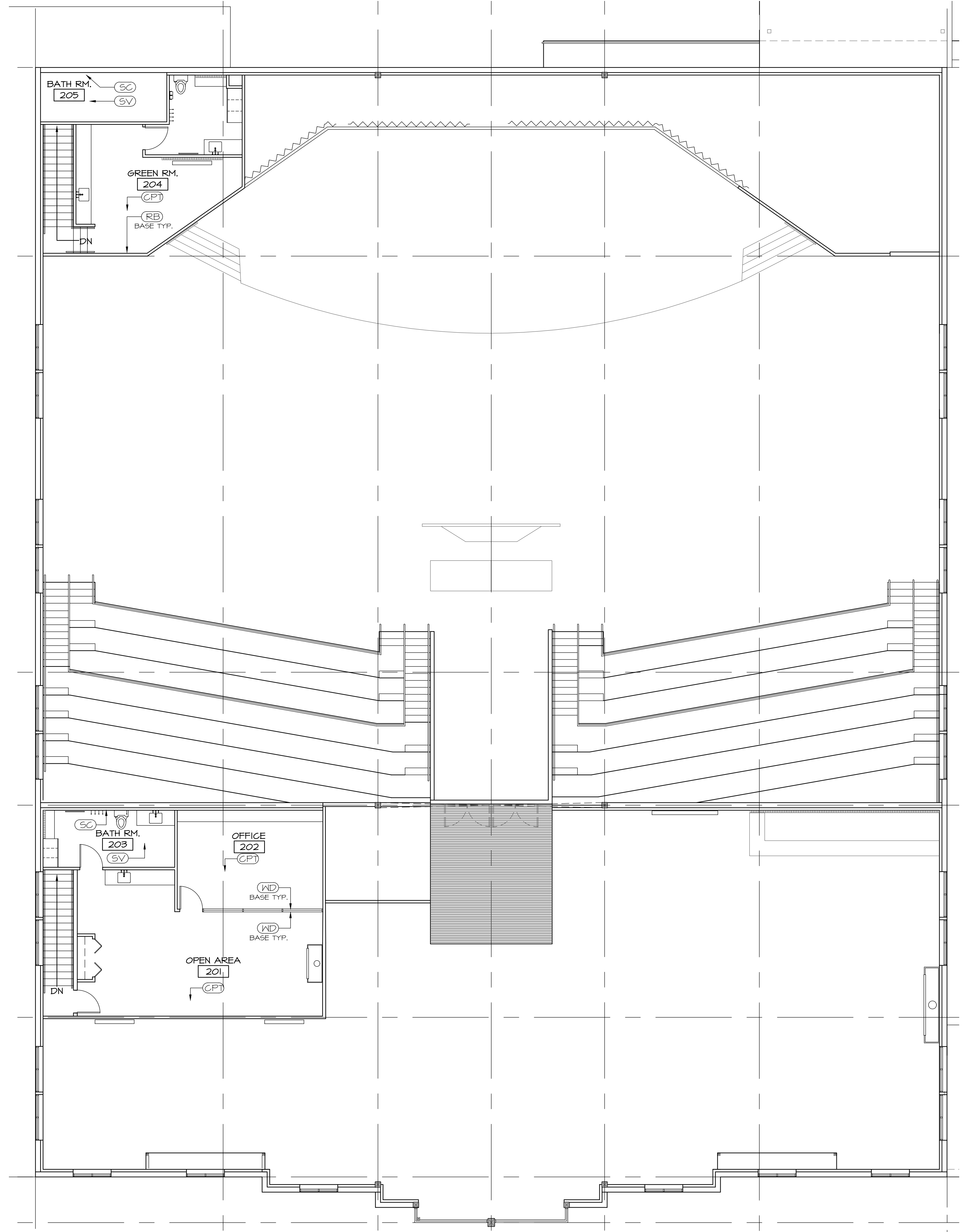
Sheet Number **A7.1**

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UPPER LEVEL INTERIOR PLAN
 HORIZON COMMUNITY CHURCH
 23620 SW BOONES FERRY RD.
 TUALATIN, OR



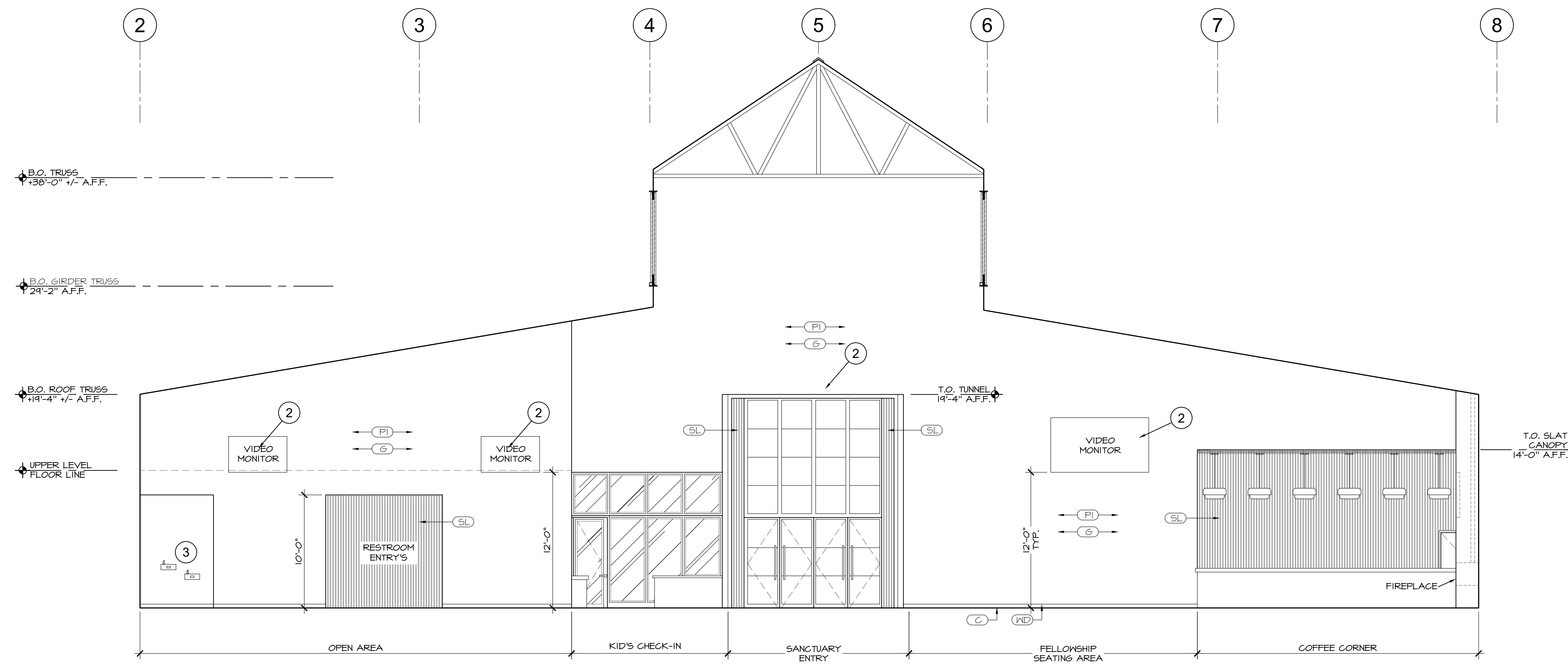
1 UPPER LEVEL INTERIOR PLAN
 A7.2 1/8" = 1'-0" 0 2' 4' 8'

Revisions	

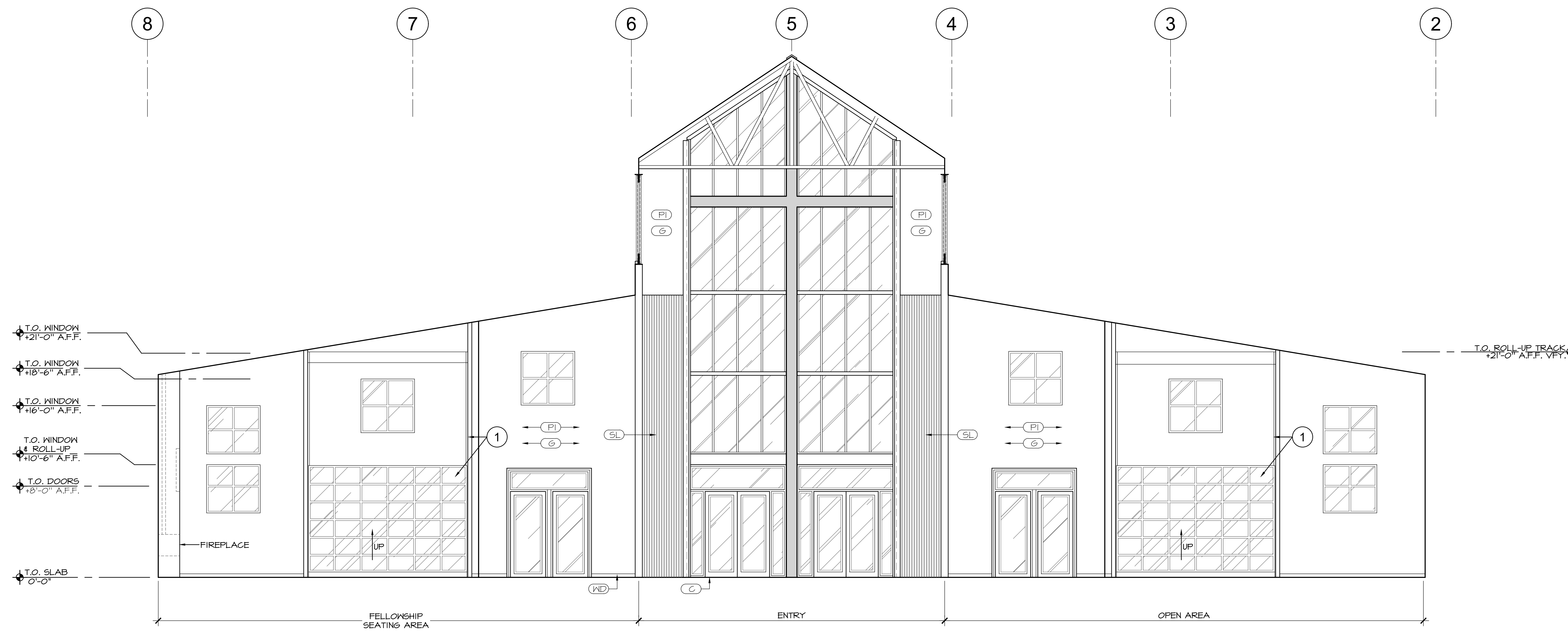
Drawn By: TA
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 Drawing Title Name: Horizon Sanctuary

Sheet Number
A7.2

PERMIT SET



A EAST WALL
 A7.3 3/16" = 1'-0"



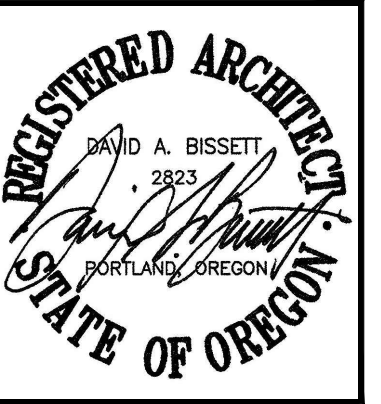
C WEST WALL
 A7.3 3/16" = 1'-0"

GENERAL NOTES:

KEY NOTES:

NOTE:
 SOME KEY NOTES DO NOT APPLY TO EACH SHEET.

- ① ROLL-UP DOOR & SIDE RAIL
- ② TV - SEE AUDIO/VIDEO/LIGHTING FOR SIZE & TYPE.
- ③ DRINKING FOUNTAINS - SEE 3/A7.6 FOR ADA REQUIREMENTS



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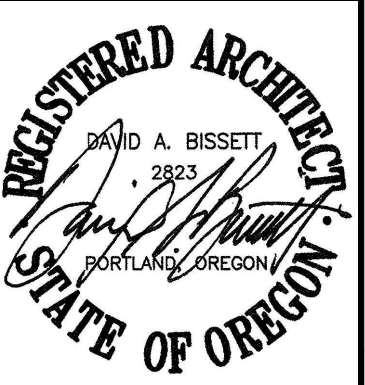
INTERIOR ELEVATIONS
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 Checked By: DB
 Issue Date: Nov. 30, 2023
 Drawing Title Name: Horizon Sanctuary
 Sheet Number:

A7.3



DAVID BISSETT
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INTERIOR ELEVATIONS
HORIZON COMMUNITY CHURCH
23620 SW BOONES FERRY RD.
TUALATIN, OR



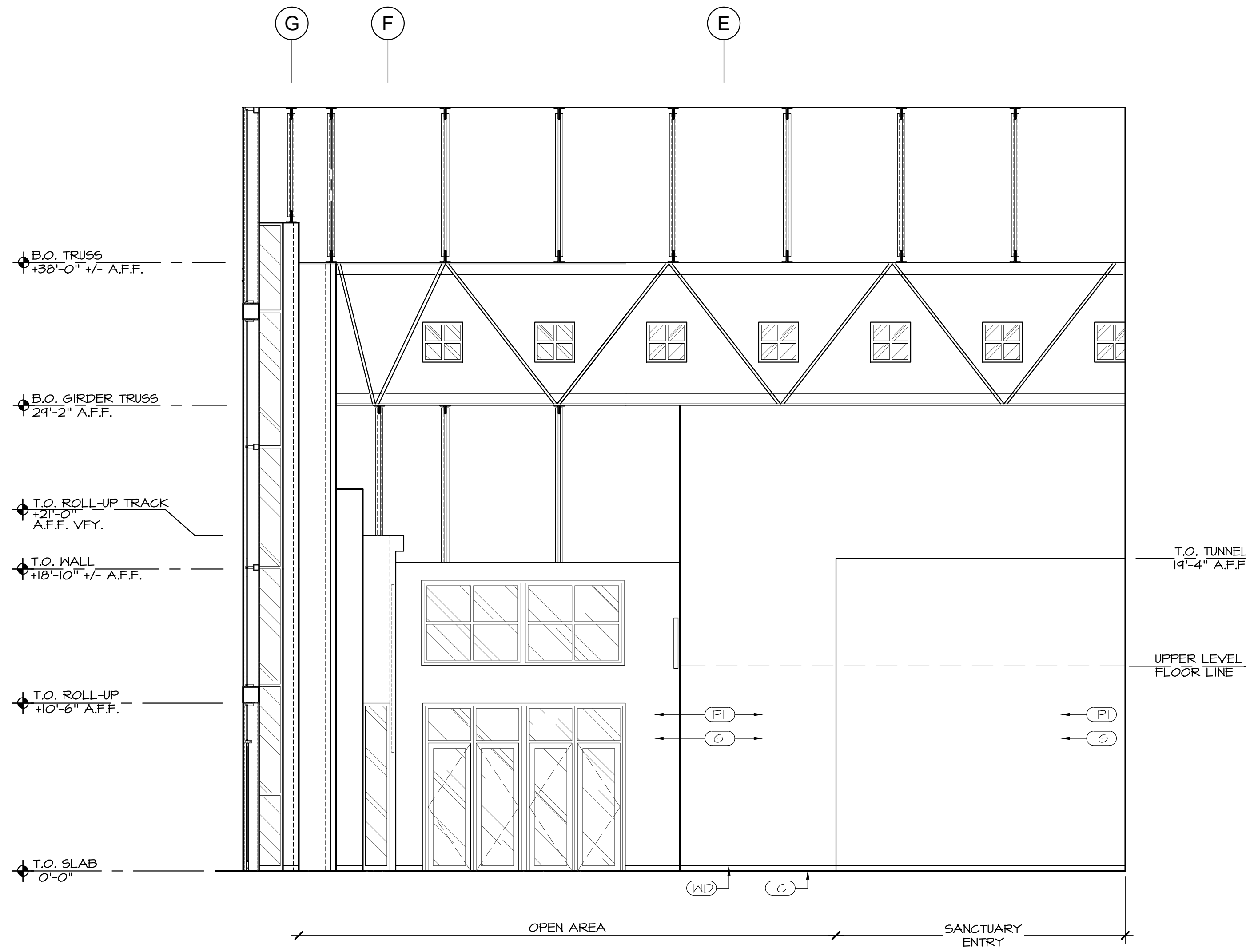
Revisions	

Drawn By	Checked By
TA	DB
Issue Date	Nov. 30, 2023
Drawing Title	Horizon Sanctuary
Sheet Number	A7.4

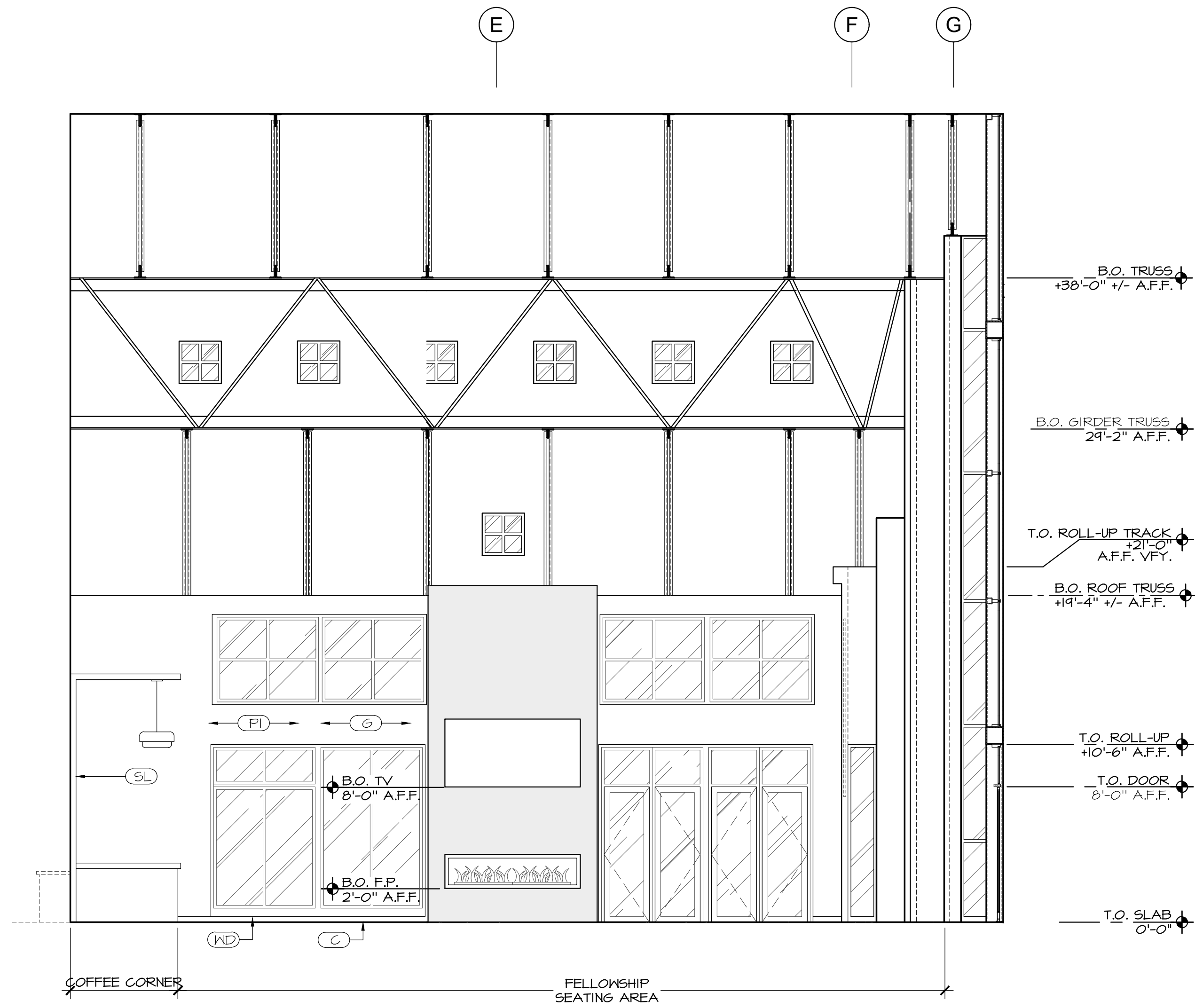
GENERAL NOTES:

1. DEFERRED SUBMITTALS SHALL BE SUBMITTED TO THE ARCHITECT FOR REVIEW PER OSGC 106.3.4.2.
DEFERRED SUBMITTALS (BIDDER DESIGN)

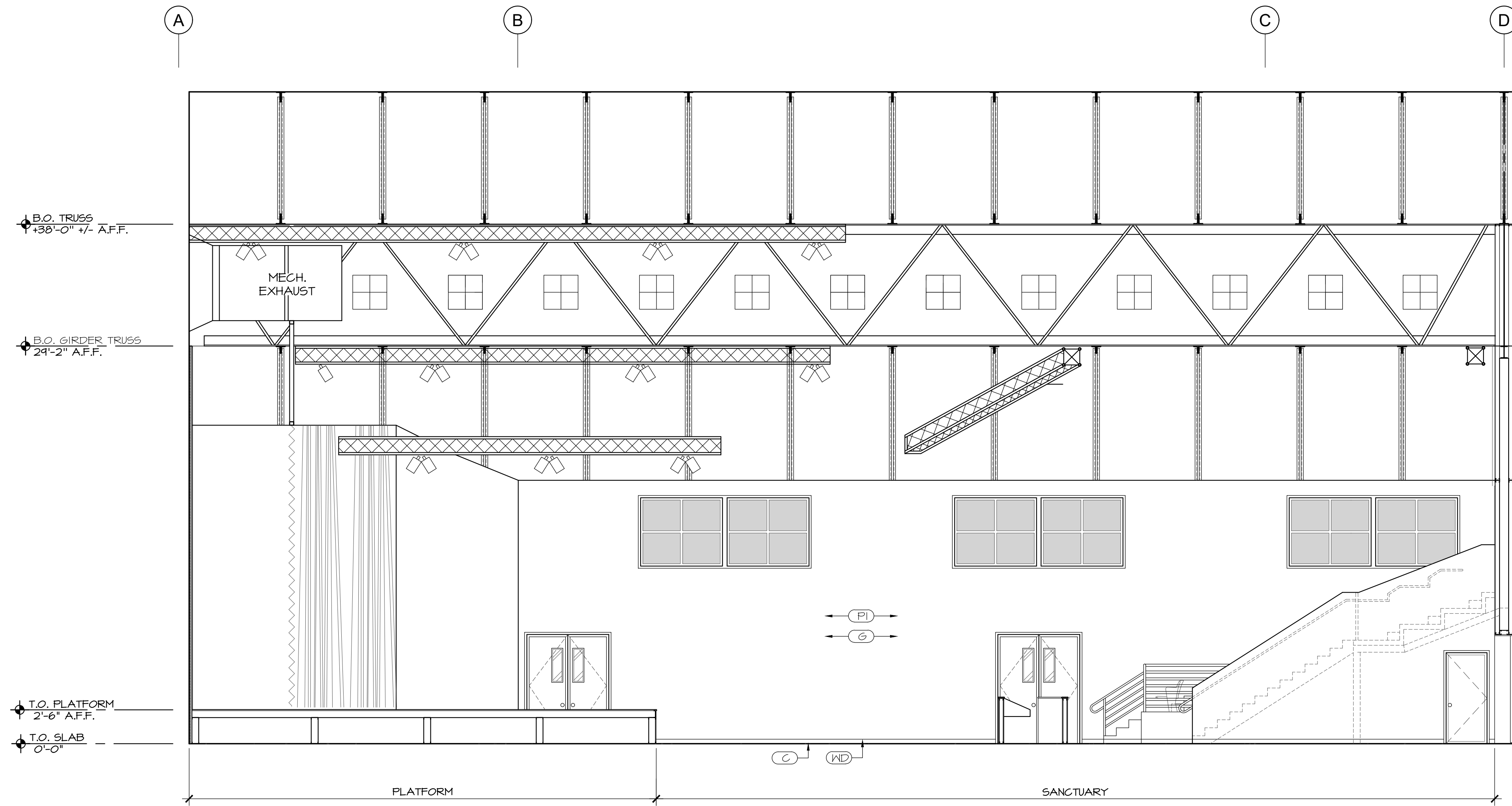
KEY NOTES:



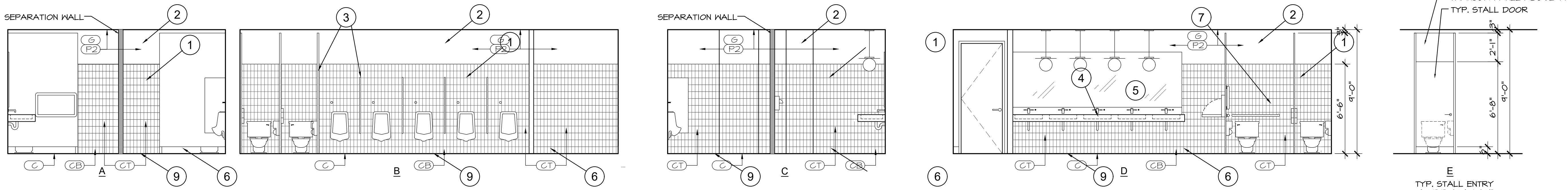
B LOBBY NORTH WALL
A7.4 3/16" = 1'-0"



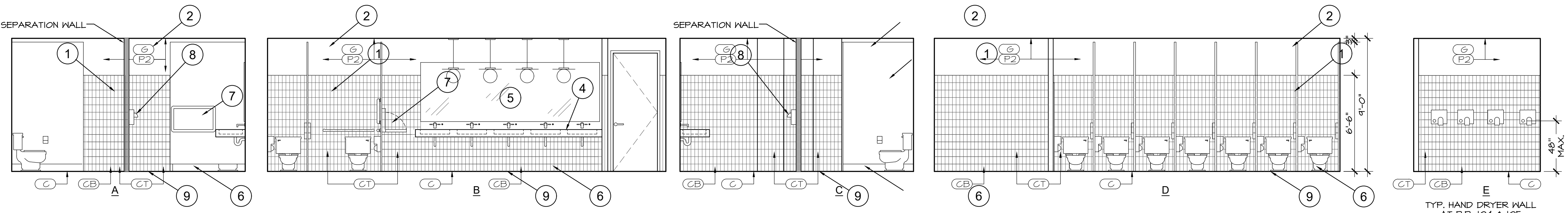
D LOBBY SOUTH WALL
A7.4 3/16" = 1'-0"



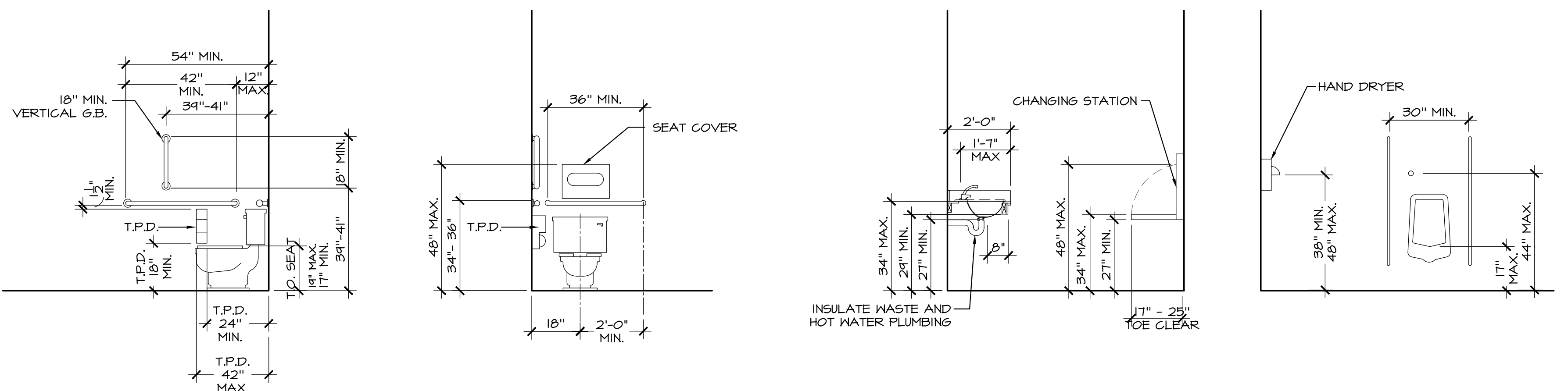
C SANCTUARY SOUTH WALL (NORTH WALL SIM.)
A7.4 3/16" = 1'-0"



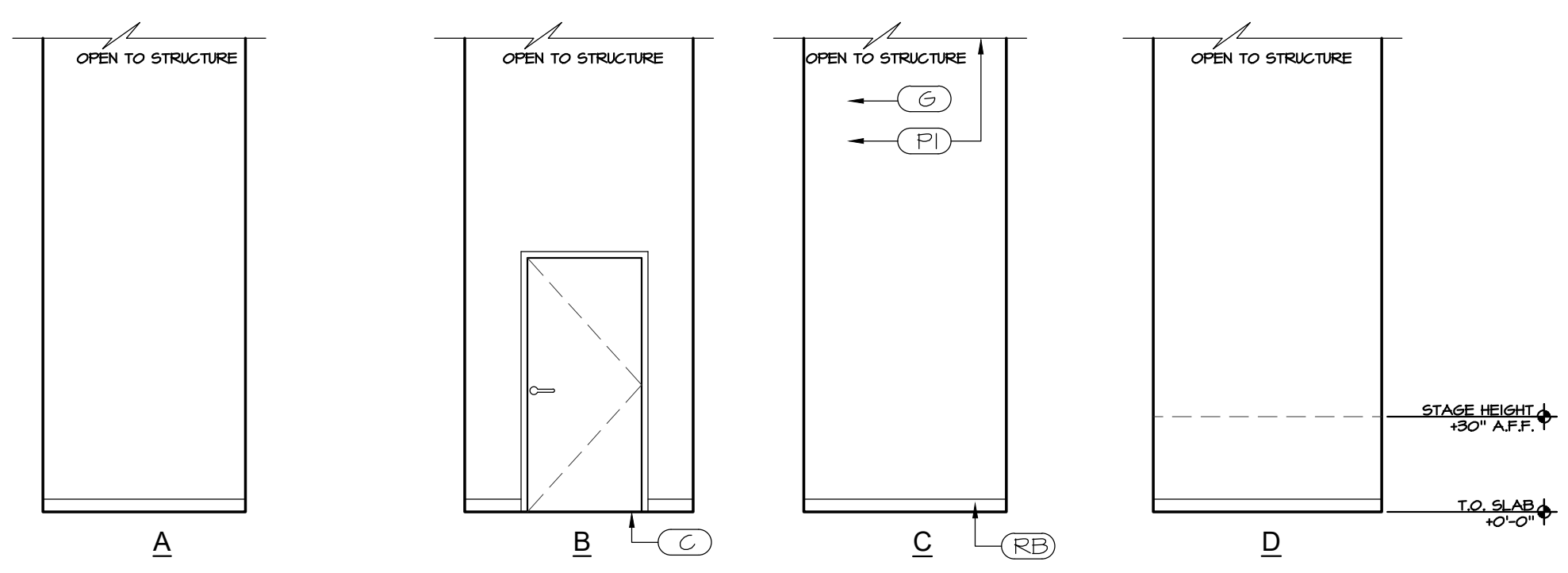
1 MENS RESTROOM 105
A7.6 1/4" = 1'-0"



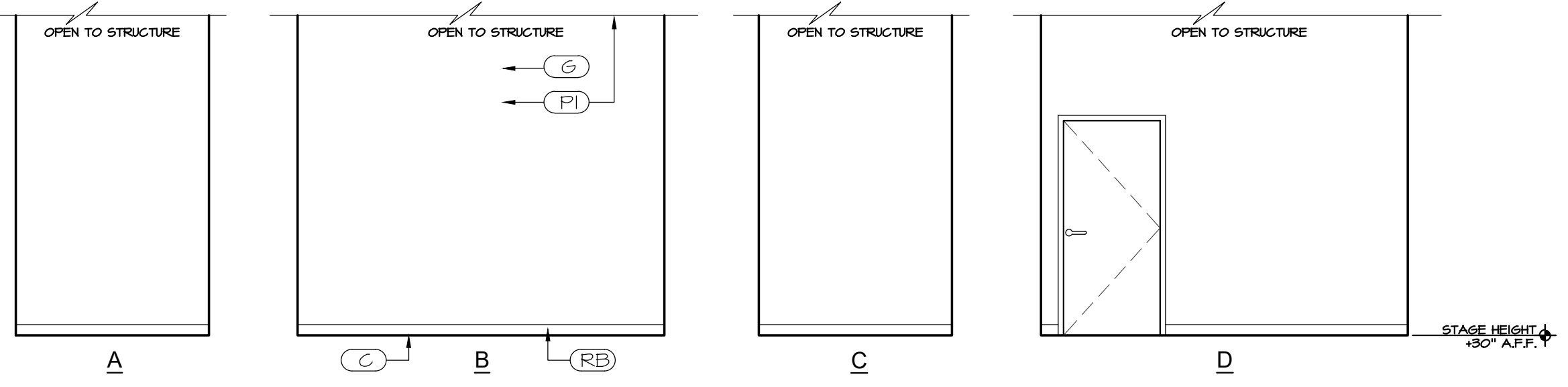
2 WOMENS RESTROOM 104
A7.6 1/4" = 1'-0"



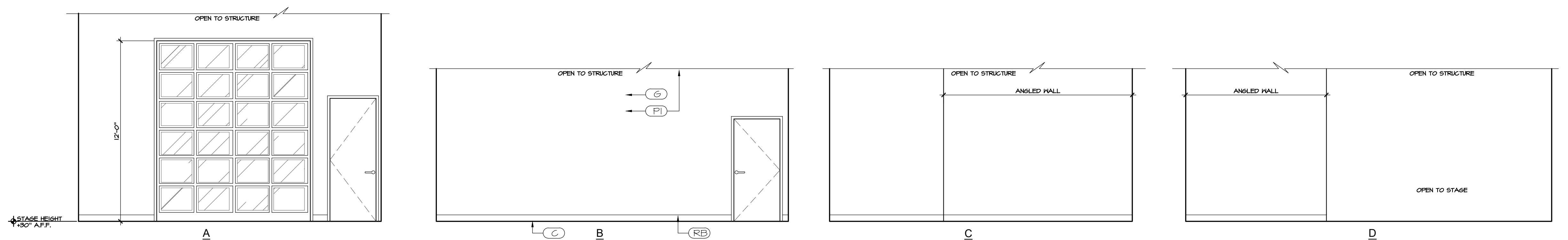
3 TYP. ADA REQUIREMENTS
A7.6 3/8" = 1'-0"



4 SPRINKLER RISER RM. 118 & ELECTRIC RM. 119 (SIM.)
A7.6 1/4" = 1'-0"



5 ELECTRIC CLOSET 120
A7.6 1/4" = 1'-0"



6 STORAGE 117
A7.6 1/4" = 1'-0"

GENERAL NOTES:

- 1. DEFERRED SUBMITTALS SHALL BE SUBMITTED TO THE ARCHITECT FOR REVIEW PER OSCC 106.3.4.2.
- DEFERRED SUBMITTALS (BIDDER DESIGN)

KEY NOTES:

- 1 CERAMIC TILE WALLS WITH COVE BASE
- 2 PAINTED GYPSUM BOARD
- 3 SOLID PLASTIC OR STAINLESS STEEL TOILET PARTITIONS
- 4 CORIAN TYPE COUNTERS WITH 4" BACKSPASH, INTEGRAL SINKS.
- 5 FULL MIRROR
- 6 6" CERAMIC TILE COVE BASE
- 7 BABY CHANGING TABLE
- 8 HAND DRYER
- 9 NON-ABSORBENT FLOOR FINISH



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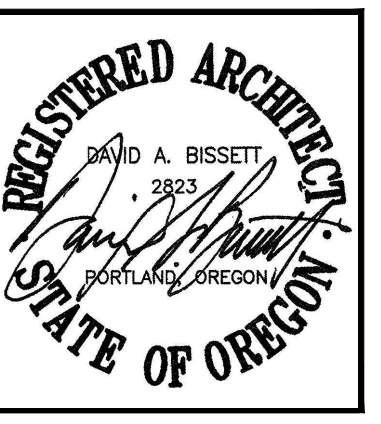
INTERIOR ELEVATIONS
HORIZON COMMUNITY CHURCH
23620 SW BOONES FERRY RD.
TUALATIN, OR



Revisions	

Drawn By TA	Checked By DB
Issue Date Nov. 30, 2023	
Drawing Title Horizon Sanctuary	
Sheet Number	

A7.6



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INTERIOR ELEVATIONS
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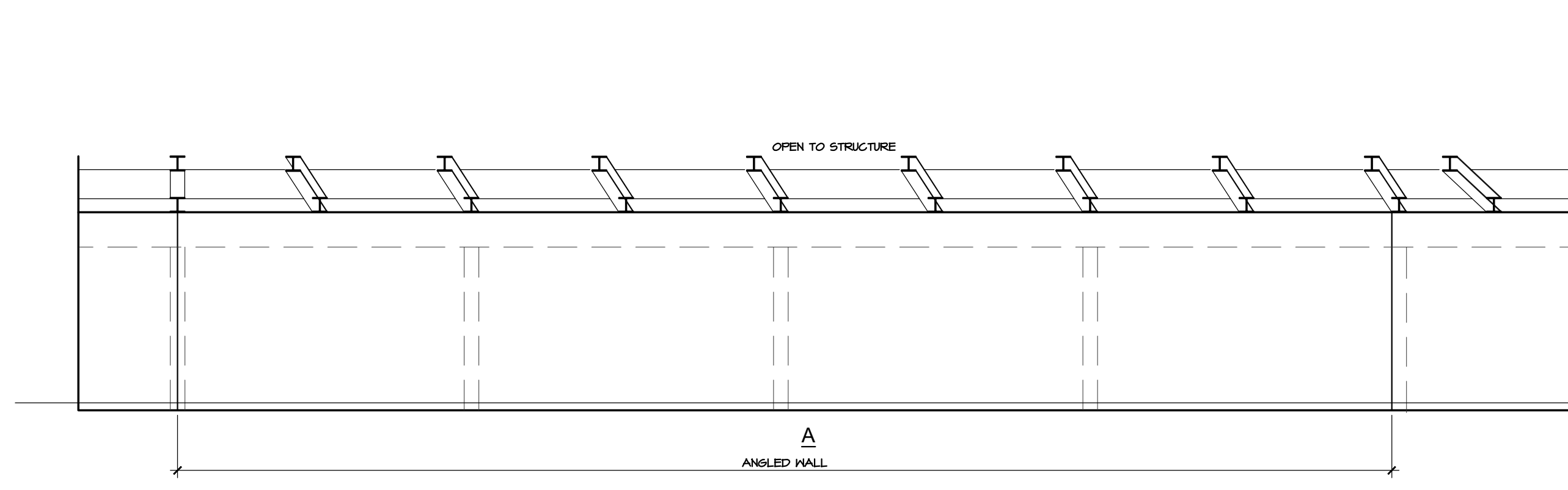
Revisions

Drawn By TA
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Drawing Title Name Horizon Sanctuary

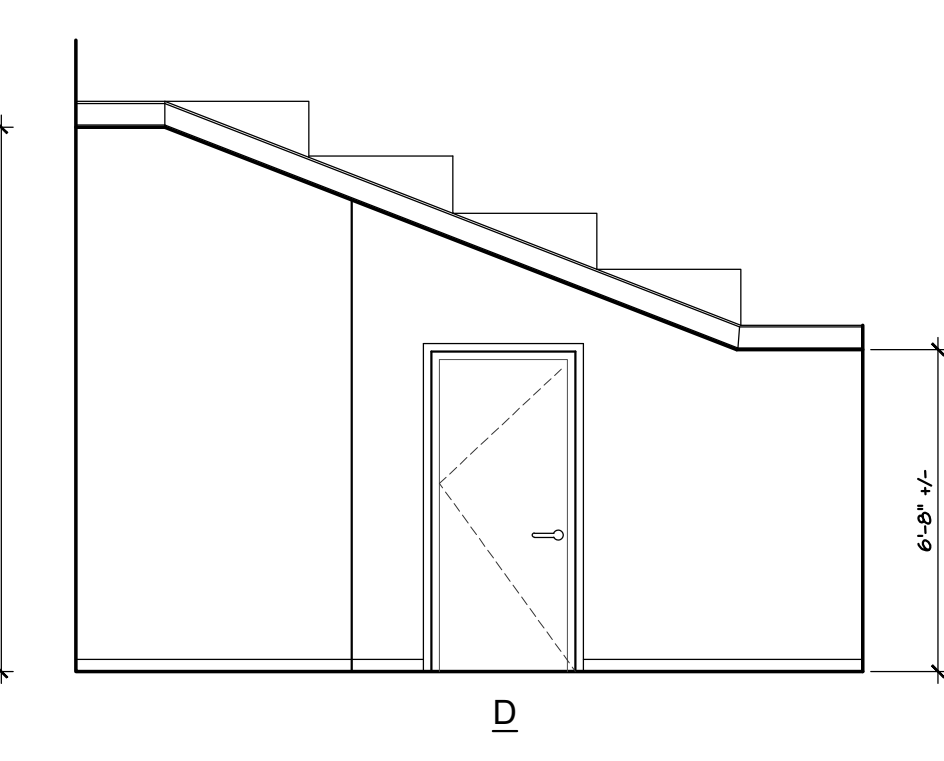
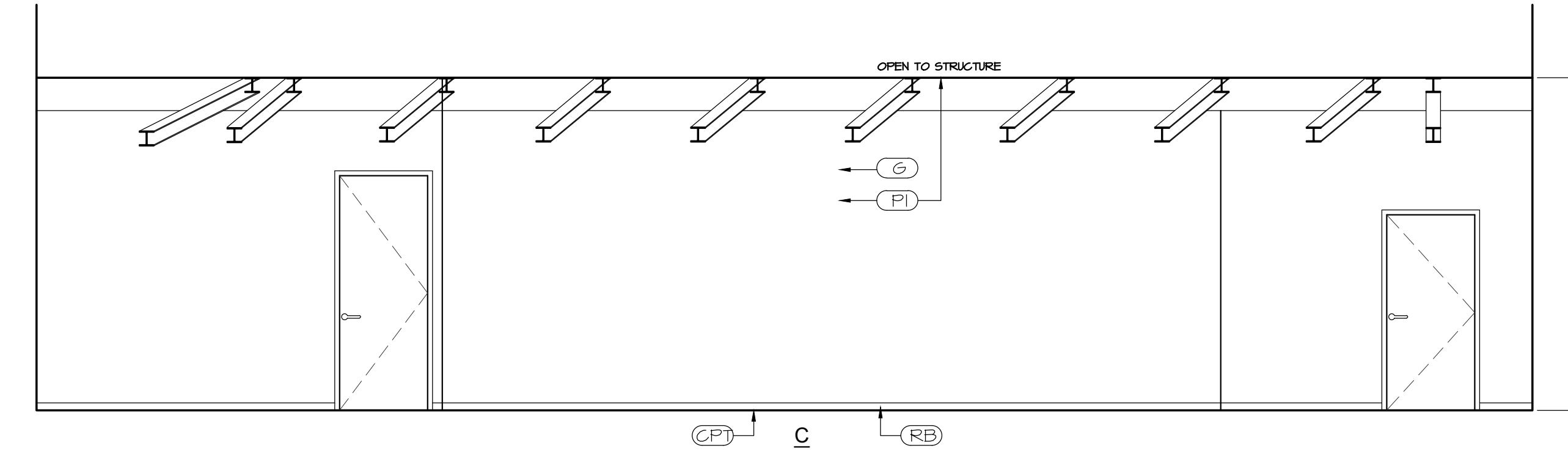
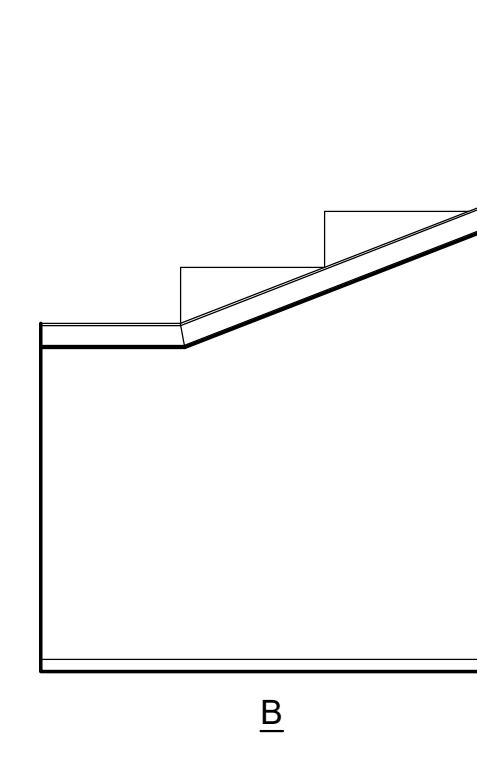
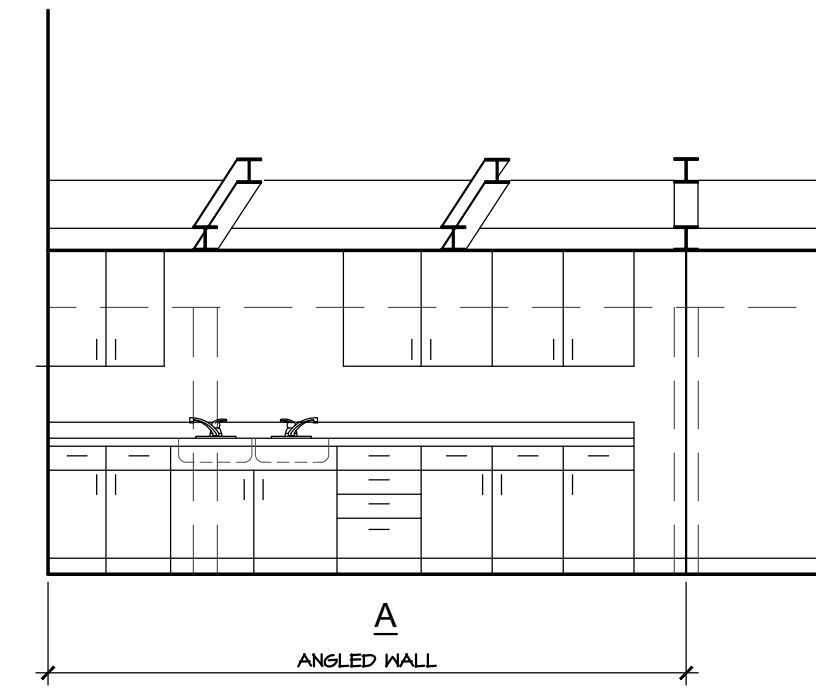
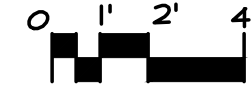
Sheet Number

A7.7

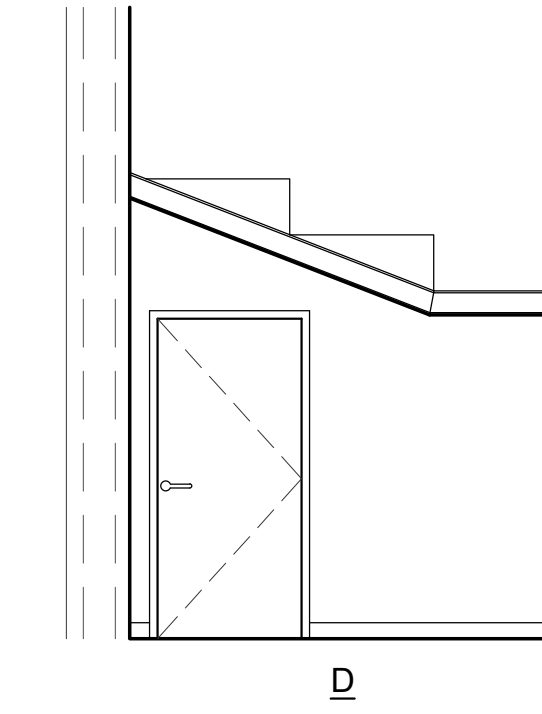
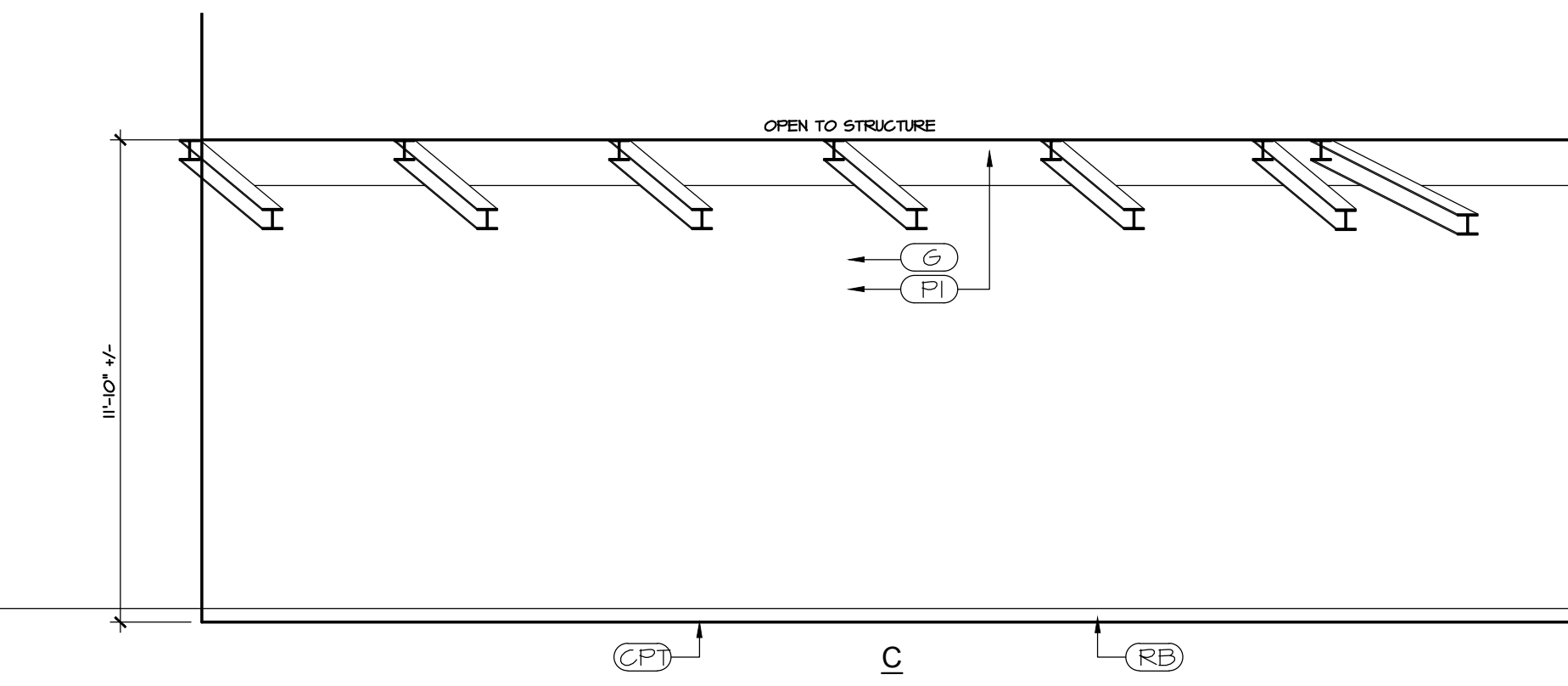
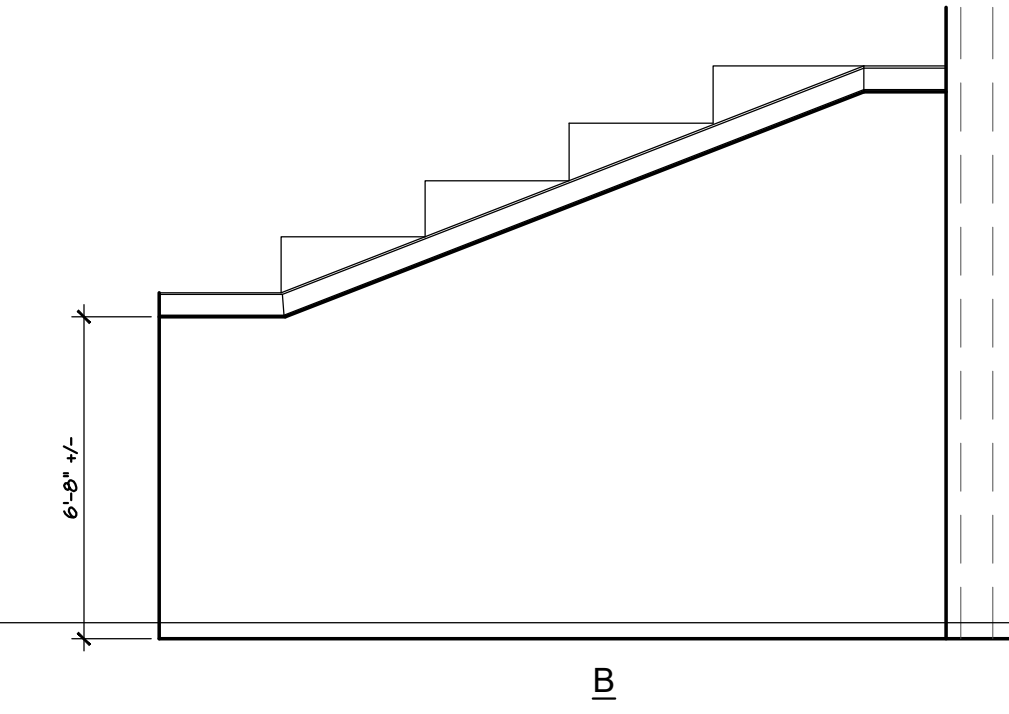
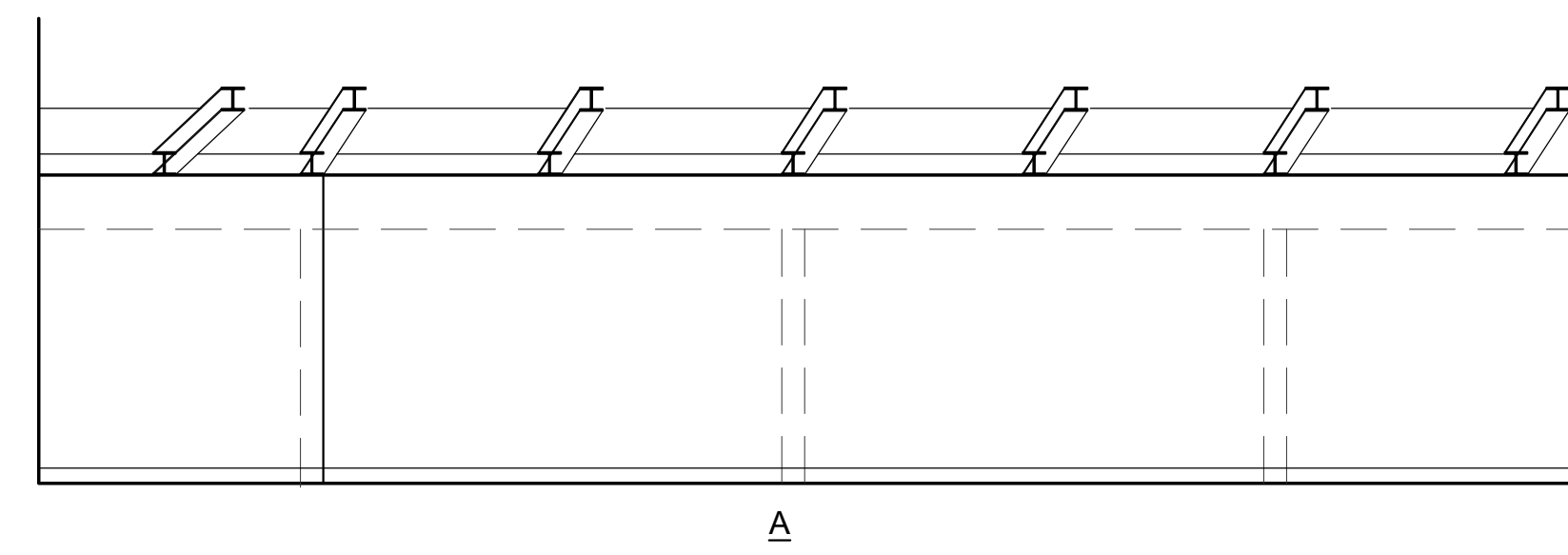
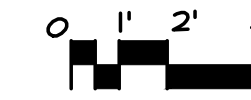
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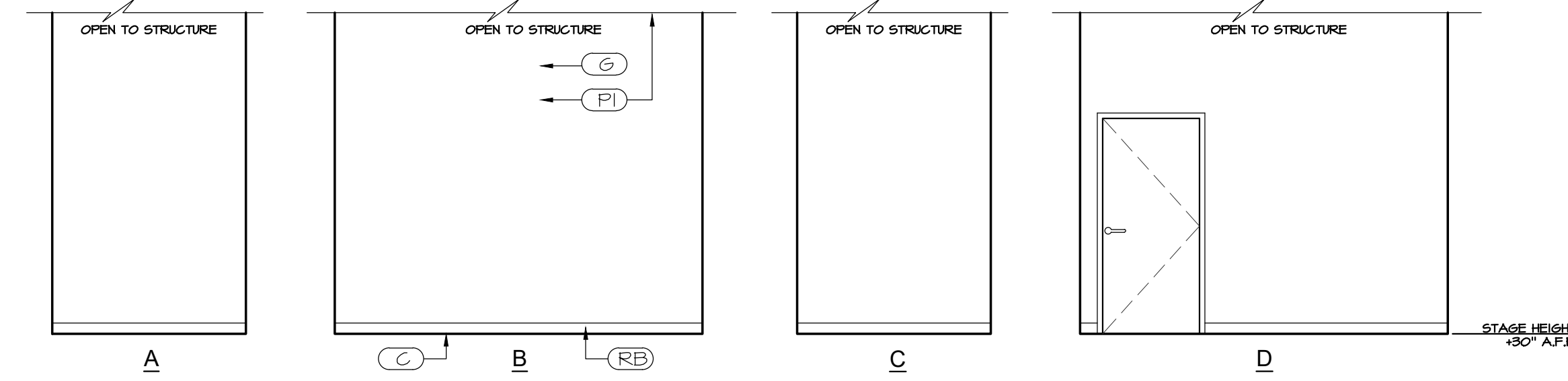
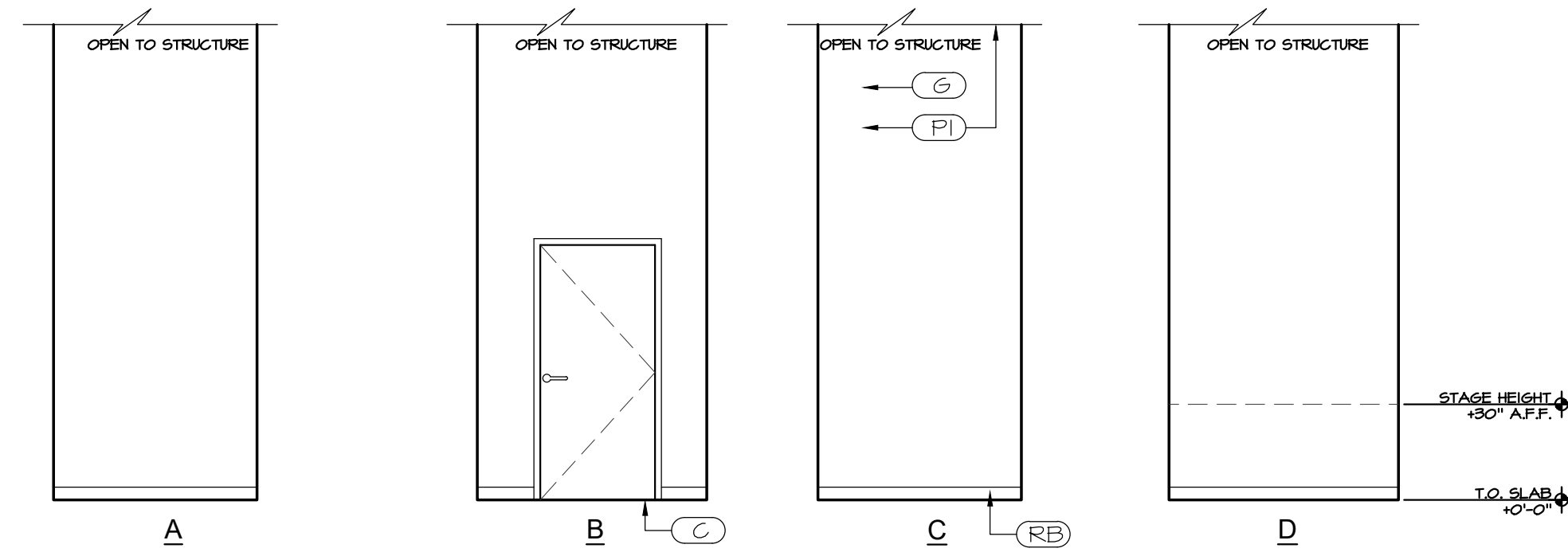
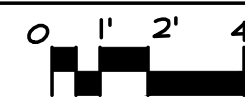
1 INFANTS & NURSING MOTHERS
A7.7 1/4" = 1'-0"



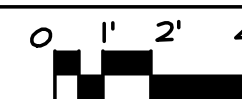
2 COFFEE PREP. RM.
A7.7 1/4" = 1'-0"



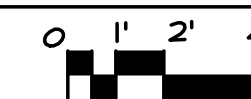
3 AUDIO/VIDIO RM.
A7.7 1/4" = 1'-0"



4 SPRINKLER RISER RM. 118 & ELECTRIC RM. 119 (SIM.)
A7.7 1/4" = 1'-0"

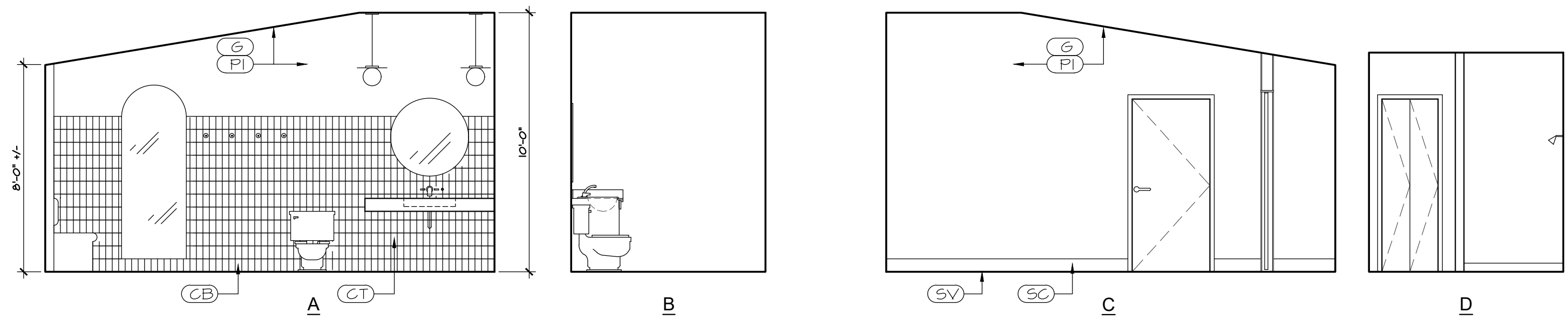


5 ELECTRIC CLOSET 120
A7.7 1/4" = 1'-0"

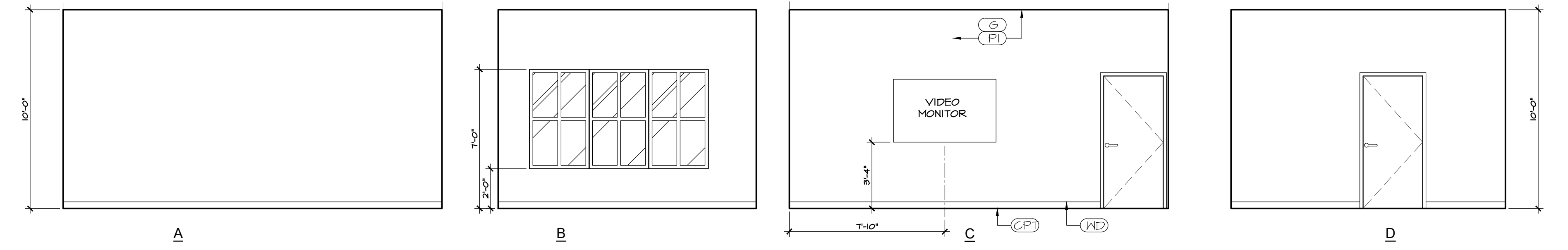


KEY NOTES:

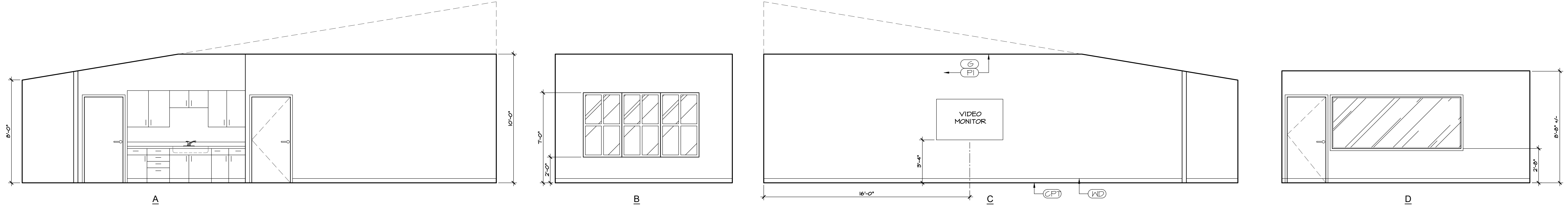
PERMIT SET



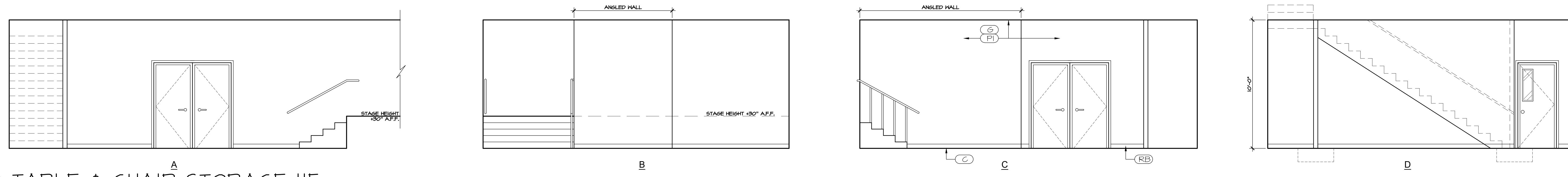
1 BATH 203 (OFFICE BATH)
A7.8 1/4" = 1'-0"



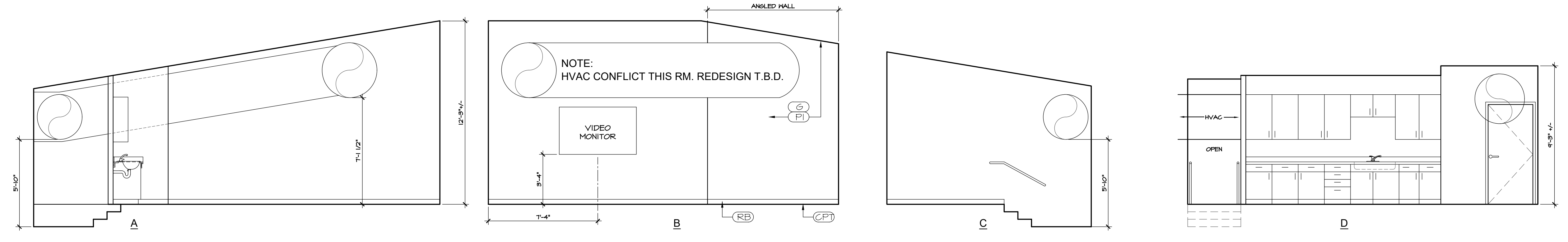
2 OFFICE 202
A7.8 1/4" = 1'-0"



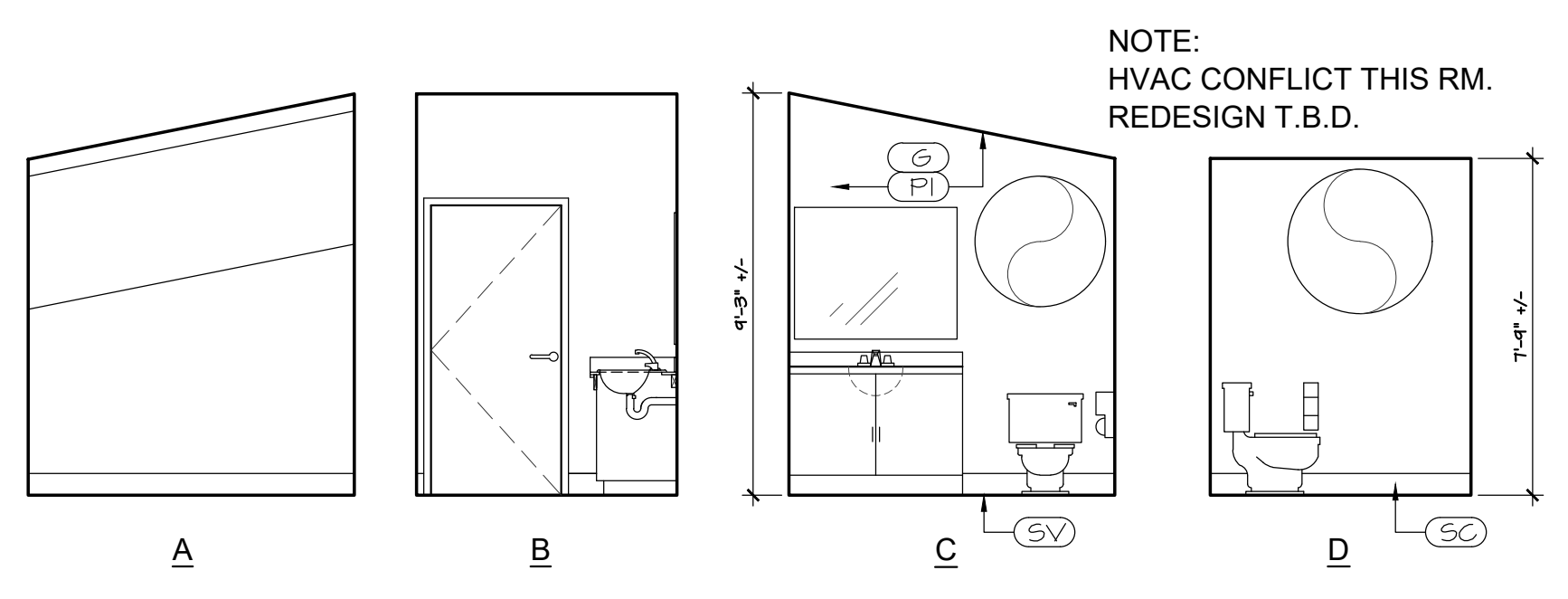
3 OPEN AREA 201
A7.8 1/4" = 1'-0"



4 TABLE & CHAIR STORAGE 115
A7.8 1/4" = 1'-0"



5 GREEN RM. 204
A7.8 1/4" = 1'-0"

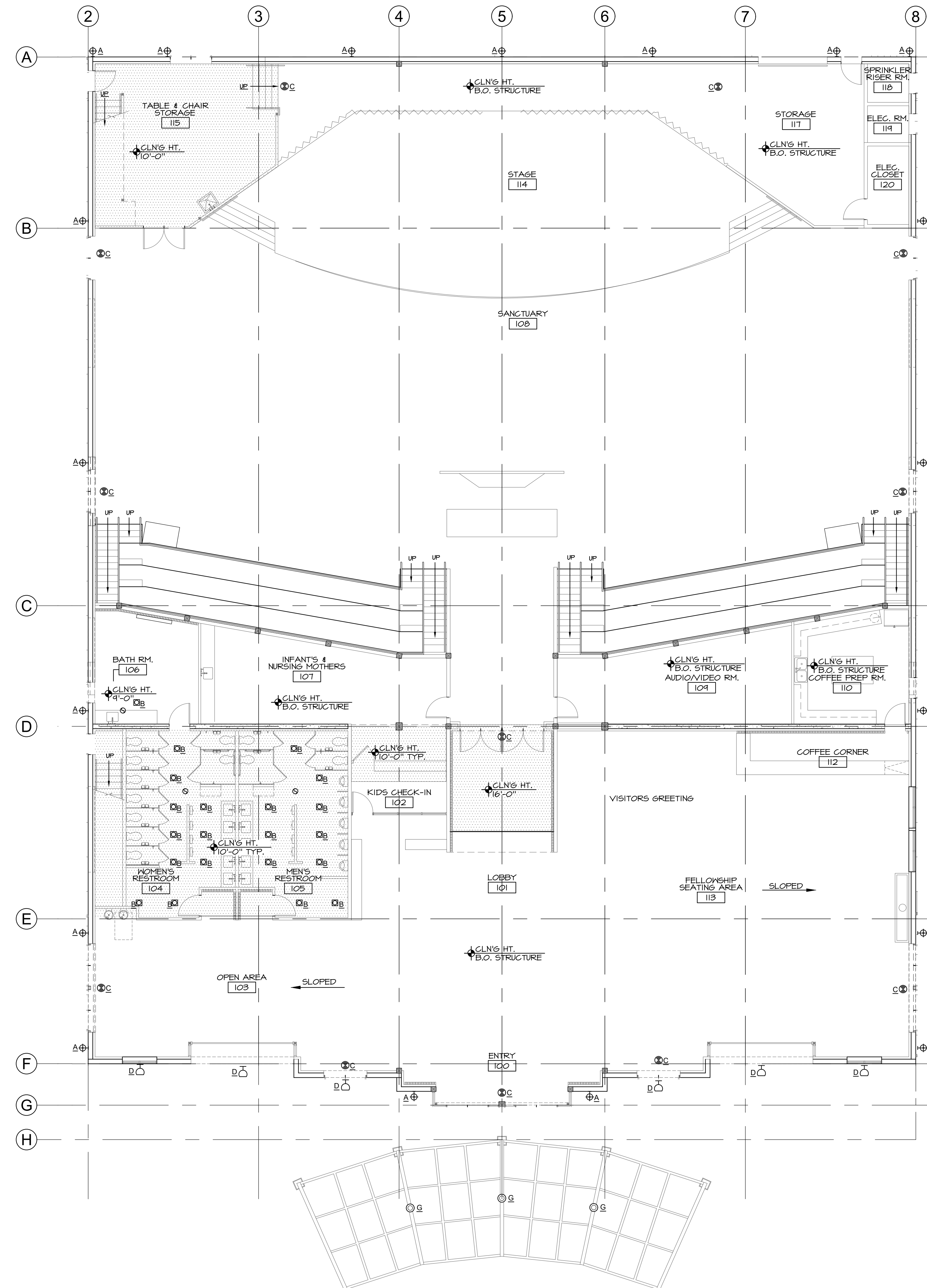


NOTE:
HVAC CONFLICT THIS RM.
REDESIGN T.B.D.

6 GREEN RM. BATH 205
A7.8 1/4" = 1'-0"

KEY NOTES:

PERMIT SET



1 MAIN LEVEL RCP
 A8.1 1/8" = 1'-0"

GENERAL NOTES:

KEY NOTES:

NOTE:
 SOME KEY NOTES DO NOT APPLY TO EACH SHEET.

1 TV - SEE AUDIO/VIDEO/LIGHTING FOR SIZE & TYPE.
 2 RIGGING - SEE AUDIO/VIDEO/LIGHTING.

LEGEND:

- ⊕ A EXTERIOR WALL LIGHT
 - ⊖ B RECESSED SURFACE CAN LIGHT
 - ⊙ C EXIT LIGHT
 - ⊕ D DIAMOND SCONCE
 - ⊙ E HOUSE LIGHT
 - ⊙ F EXHAUST FAN (NET LABEL)
 - ⊙ G CANOPY LIGHT
 - ⊕ H 2x4 FLORESCENT/LED LIGHT
 - ⊕ J 1x4 SURFACE FLORESCENT/LED LIGHT
- GYP. BD. HARD CEILING



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MAIN LEVEL RCP
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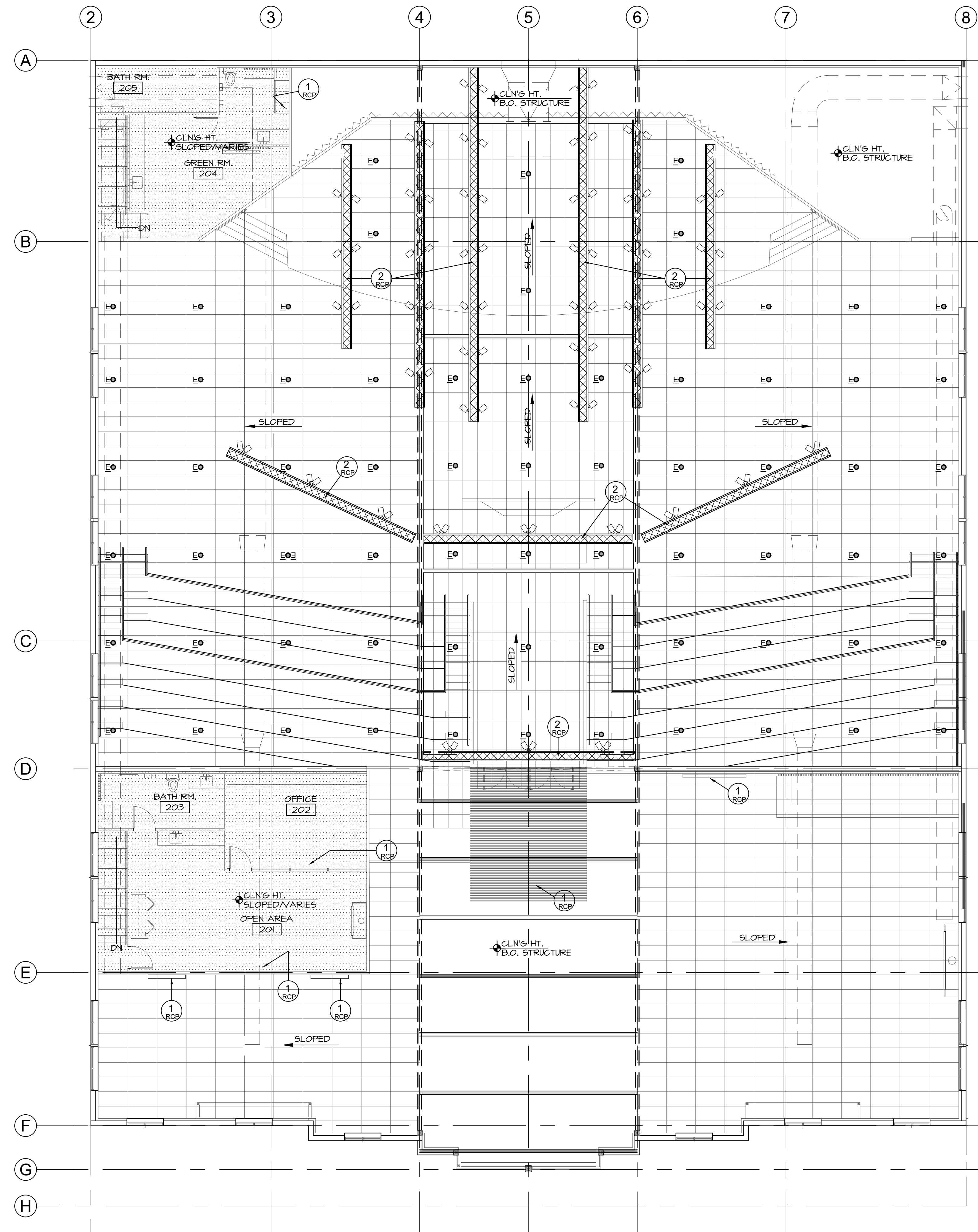


Revisions	

Drawn By: TA
 Checked By: DB
 Issue Date: Nov. 30, 2023
 Drawing File Name: Horizon Sanctuary

Sheet Number
A8.1

PERMIT SET



1 UPPER LEVEL RCP
 A8.2 1/8" = 1'-0" 0' 2' 4' 8"

GENERAL NOTES:

KEY NOTES:

NOTE:
 SOME KEY NOTES DO NOT APPLY TO EACH SHEET.
 1 RCP TV - SEE AUDIO/VIDEO/LIGHTING FOR SIZE & TYPE.
 2 RCP RIGGING - SEE AUDIO/VIDEO/LIGHTING.

LEGEND:

- ⊕ A EXTERIOR WALL LIGHT
- ⊗ B RECESSED SURFACE CAN LIGHT
- ⊙ C EXIT LIGHT
- ⊕ D DIAMOND SCONCE
- ⊙ E HOUSE LIGHT
- ⊙ F EXHAUST FAN (NET LABEL)
- ⊙ G CANOPY LIGHT
- ⊗ H 2x4 FLORESCENT/LED LIGHT
- ⊗ J 1x4 SURFACE FLORESCENT/LED LIGHT
- GYP. BD. HARD CEILING



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UPPER LEVEL RCP
 HORIZON COMMUNITY CHURCH
 23620 SW BOONES FERRY Rd.
 TUALATIN, OR



Revisions	

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 Issue Date Nov. 30, 2023
 Drawing File Name Horizon Sanctuary

Sheet Number
A8.2

PERMIT SET



FUZE PENDANT™



The FUZE PENDANT™ provides powerful illumination for a variety of house and area lighting applications. Crisp whites with a high CRI, plus subtle pastels and powerful pure colors with 16-bit dimming, allow for a wide range of smooth illumination and dynamic effects for any environment. At up to 11,000 lumens, the FUZE PENDANT is ideal for large areas and high-ceiling applications yet is compact enough to be adaptable to smaller spaces. It is convection cooled for absolute silence and has no fans or other moving parts for a long maintenance free product life.

Pendant and optional yoke or recessed ceiling options provide flexibility when finding the ideal mounting position and a variety of lens choices (45° included, 25°, 40° or 50° optional) allow for precise light distribution. Industry standard power and DMX connections, plus included terminal block connections for power, emergency battery input and 0-10V control, support multiple permanent or temporary install requirements with a single product design.

- Full Spectrum 230W 5in1 LED Array
- 2,400 - 8,500K Color Temperature
- CRI 90 @ 3,200K
- 11,000 Total Lumen Fixture Output
- 45° Lens Included
- Optional 25°, 40°, and 50° Lens Available
- Compact Fanless Design
- DMX, RDM, 0-10V and E-FLY Wireless Support
- 48V Emergency Battery Input
- Bare Wire Block Terminal Connections (connectors included)
- Pendant Bracket (included)
- Optional Yoke or Recessed Ceiling Mount Kits Available
- Optional Half and Full Snoot Kits Available

Specifications are subject to change without notice ©Elation Professional 09/20/2021
Elation Professional USA 45222 S. Eastern Ave. Los Angeles, CA 90040 323-542-5322 | 323-832-0142 fax | www.elationlighting.com | info@elationlighting.com
Elation Professional B.V. | Jansstraat 2 | 6468 RW Nieuwekerk, The Netherlands +31-45-546-85-66 | +31-45-546-85-96 fax | www.elationlighting.com | info@elationlighting.com

ELATION | FUZE PENDANT | Product Specification Sheet

Specifications | ELATION FUZE PENDANT

PRODUCT SPECIFICATIONS

SOURCE
230W 5-in-1 RGBWL (Red, Green, Blue, White, Lined) LED Array
50,000 Hour Average LED Life*

PHOTOMETRIC DATA
11,000 Total Lumen Fixture Output
CRI 90 @ 3,200K
45° Lens included

EFFECTS
Color Temperature Control 2,400K - 8,500K
Virtual Color Switch Book
Dimmer, RGB, RGBWL and HSI Control Options
Variable 16-bit Dimming Curves
High Speed Electronic Shutter and Strobe
DMX and Menu adjustable LED Refresh Rate Frequency

CONTROL / CONNECTIONS
8 DMX Channel Modes
Standalone and Master-Slave Modes
RDM (Remote Device Management)
0-10V Dimming (Current-Sink)
E-FLY™ Internal Extended Range Wireless DMX Transceiver
4 Button Control Panel and OLED Menu Display
Locking Spin XLR Connector In/Out
Locking IP65 Power Connector In
3-pin Bare Wire Terminal Block for Power
2-pin Bare Wire Terminal Block for 0-10V DMX
2-pin Bare Wire Terminal Block for 48V Emergency Battery Input

SIZE / WEIGHT
Length: 12.5" (318mm)
Diameter: 7.8" (197mm)
Weight: 15.8lbs (7.2 kg)

ELECTRICAL / THERMAL
AC 100-240V - 50/60Hz
Max Power Consumption 230W
14°F to 113°F (-10°C to 45°C)

APPROVALS / RATINGS
CE | cETLus | IP20

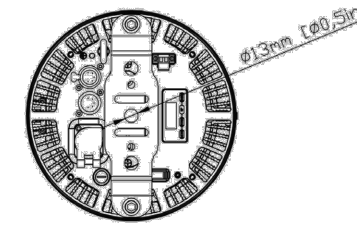
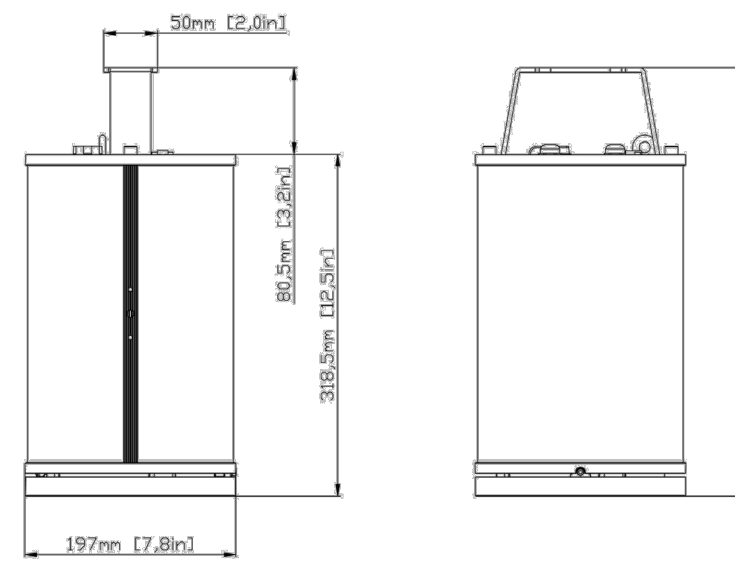
*Specifications and availability subject to change without notice.

ORDERING INFORMATION

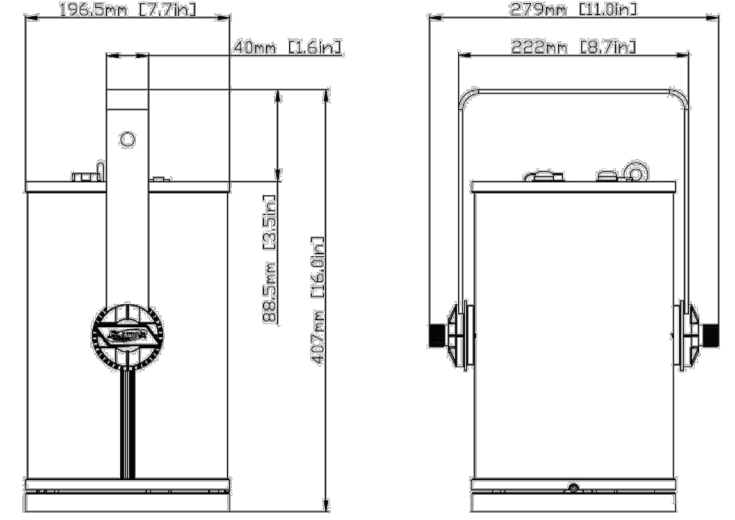
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FLX-50°	1237000218	Fuze Pendant Lens 50°
FLX-40°	1237000218	Fuze Pendant Lens 40°
FLX-25°	1237000219	Fuze Pendant Lens 25°
FLX-COM	1237000214	Fuze Pendant Ceiling Mount Kit
FLX-YOKE	1237000215	Fuze Pendant Yoke Mount Kit
FLX-HF	1237000216	Fuze Pendant Half Snoot
FLX-FULL	1237000217	Fuze Pendant Full Snoot

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DIMENSIONAL DRAWINGS (PENDANT BRACKET ATTACHED)



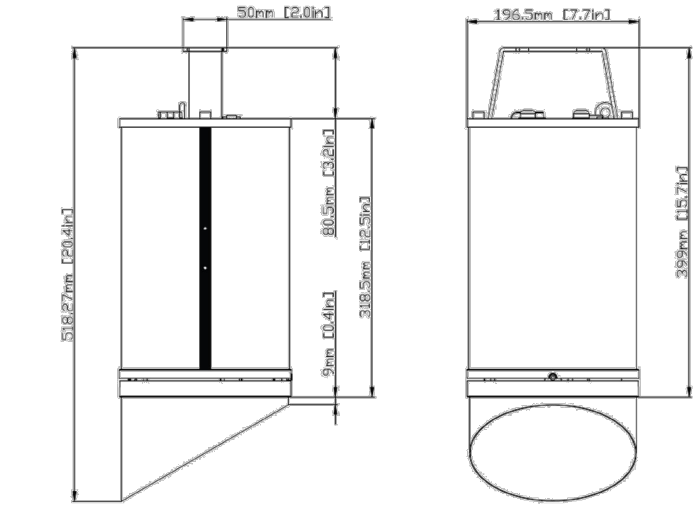
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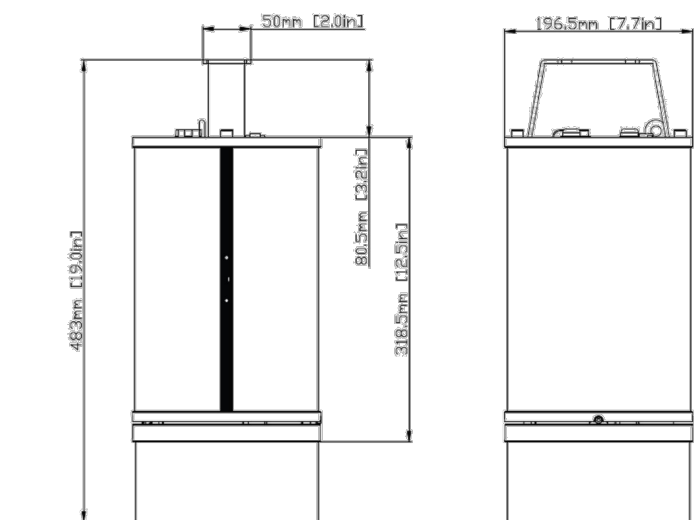
DRAWINGS NOT TO SCALE

Specifications | ELATION FUZE PENDANT | www.elationlighting.com

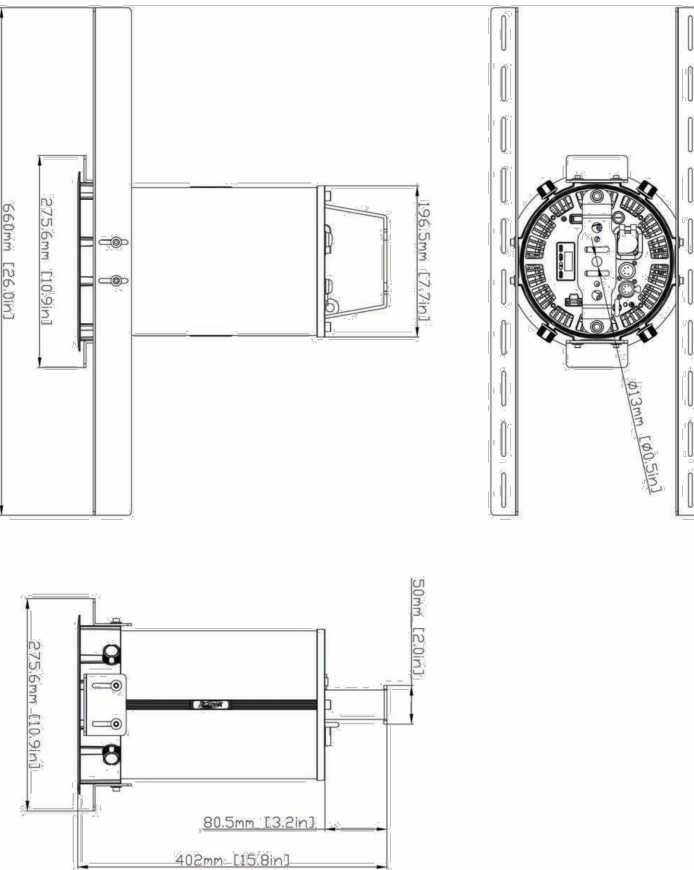
DIMENSIONAL DRAWING (HALF SNOOT ATTACHED)



DIMENSIONAL DRAWING (FULL SNOOT ATTACHED)



DIMENSIONAL DRAWING (RECESSED CEILING KIT)



DRAWINGS NOT TO SCALE

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LIGHTING DETAIL
HORIZON COMMUNITY CHURCH
23620 SW BOONES FERRY Rd.
TUALATIN, OR

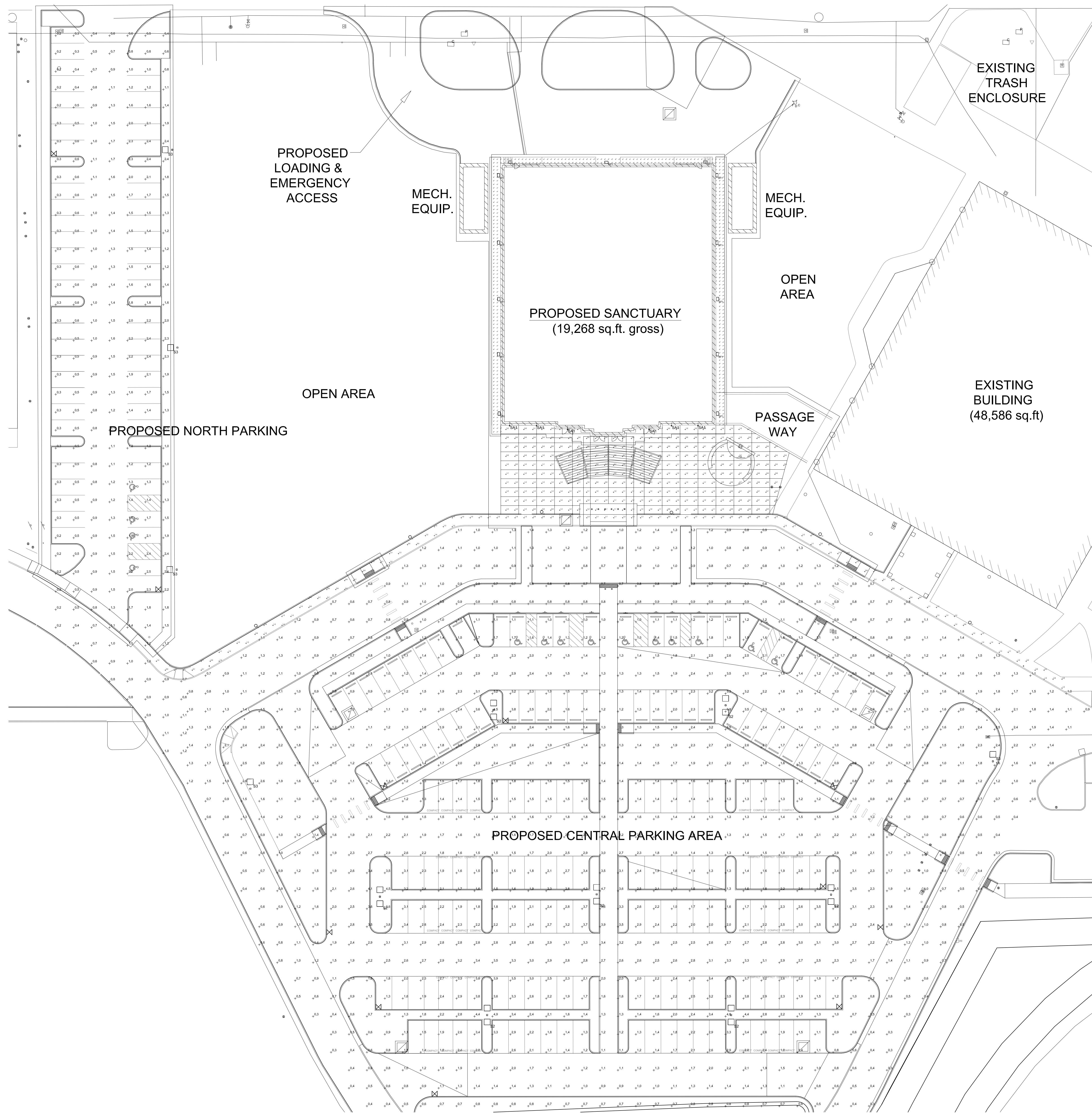


Revisions

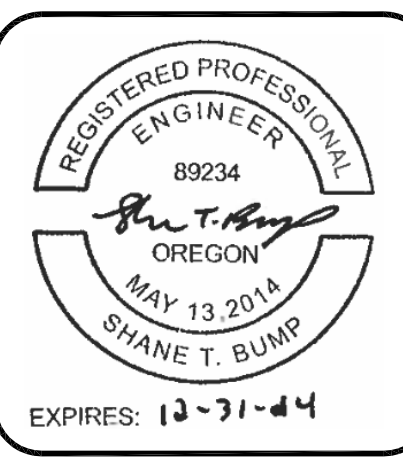
Drawn By	Checked By
TA	DB
Issue Date	Nov 30, 2023
Drawing Title	Horizon Sanctuary

Sheet Number
A8.3

PERMIT SET



Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Central Parking	+	1.6 fc	4.9 fc	0.3 fc	16.3:1	5.3:1
North Parking	+	1.1 fc	2.5 fc	0.2 fc	12.5:1	5.5:1
Sidewalk	+	1.0 fc	1.4 fc	0.6 fc	2.3:1	1.7:1



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 OR CCB# C226; CA CCB# 47587
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New Sanctuary Horizon Community Church
 Tualatin, OR 97062
 23370 SW Boones Ferry Rd
ELEC - SITE PLAN - PHOTOMETRICS - PARKING

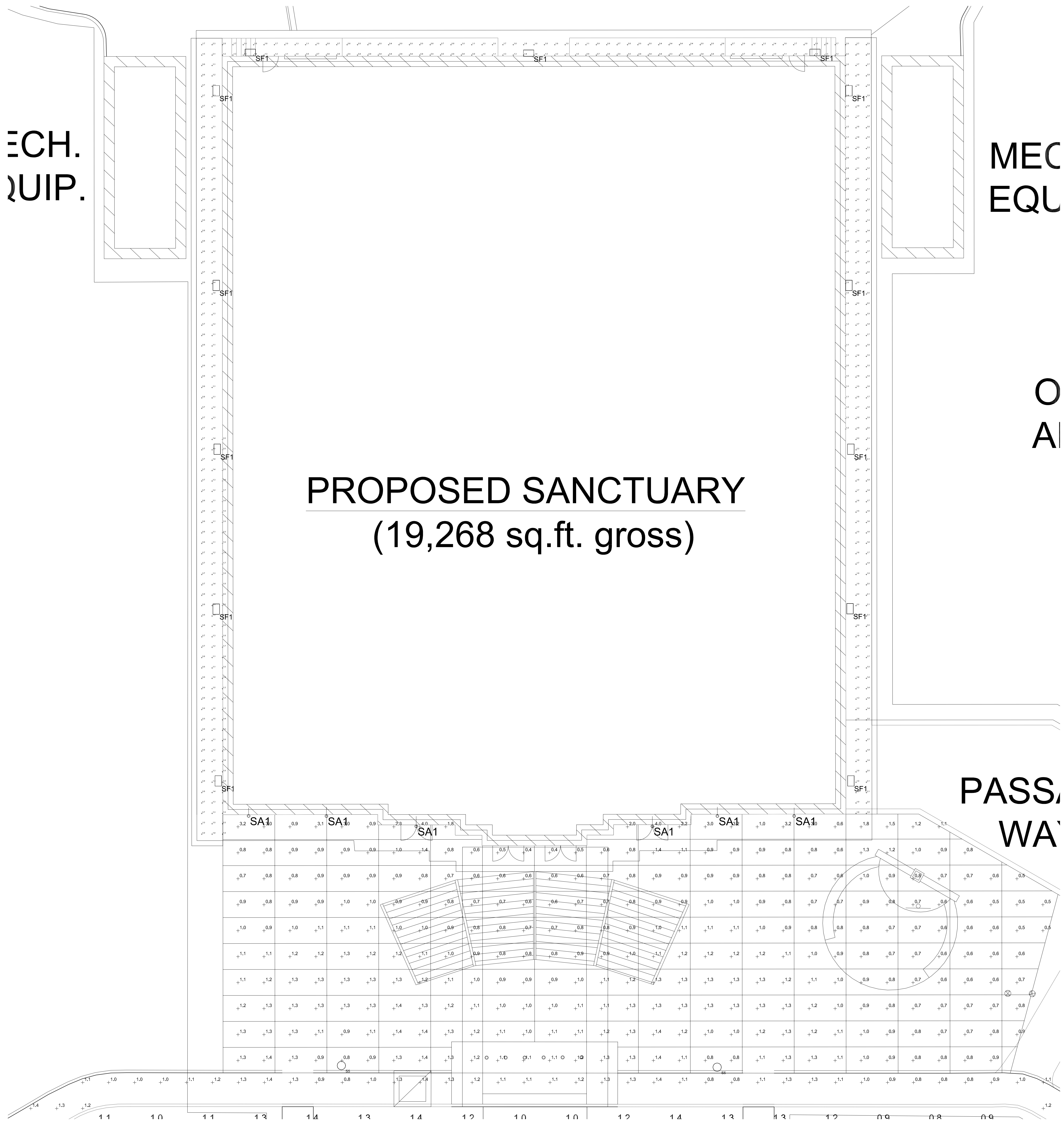
LUMINAIRE SCHEDULE - HORIZON SANCTUARY

TAG	FIXTURE DESCRIPTION	MANUFACTURER	MODEL NUMBER	LAMP TYPE	LAMP COLOR	LAMP WATTAGE	LAMP QUANTITY	FIXTURE WATTAGE	NOTES
S2	DOUBLE HEAD LED AREA LUMINAIRE W/ HIGH/LOW SENSOR	ABL - LITHONIA	DSX1 LED P3 40K BLC MVOLT SPA PIR	LED	4000K	104	2	208.0	
S3	SINGLE HEAD LED AREA LUMINAIRE W/ HIGH/LOW SENSOR	ABL - LITHONIA	DSX1 LED P3 40K BLC MVOLT SPA PIR	LED	4000K	104	1	104.0	
S-POLE	20" SQUARE STRAIGHT STEEL POLE w/ 3' PEDESTAL	ACUITY	SSS 30 5G DM19/DM28 DDB	-	-	-	-	-	
S5	POST TOP AREA LUMINAIRE	ABL - LITHONIA	RADPT-LED-P3-40K-SYM-MVOLT-PT4-PE	LED	4000K	47.5	1	47.5	
SA1	ADJUSTABLE FLOOD	WAC	WP-LED514-15-30K	LED	4000K	15	1	15.0	
SF1	WALLPACK	LITHONIA	WST-LED-P1-40K-VF-MVOLT	LED	4000K	11	1	11.0	

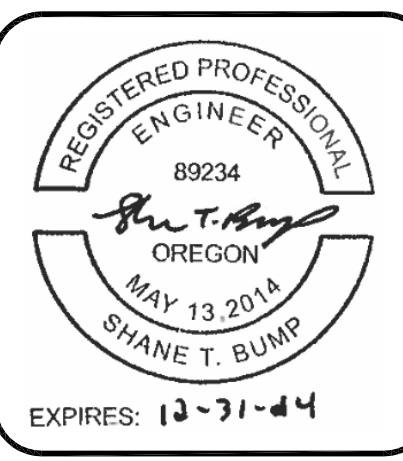
REV. #	DATE

DATE: 04/25/2024
 JOB: 23-0120
 DESIGN BY: ANC
 CONTACT: SHANE BUMP
 TEL #: 503-363-2334

E1.1



Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Front Plaza	+	1.1 fc	4.0 fc	0.4 fc	10.0:1	2.8:1
Pedestrian Pathway	+	1.3 fc	2.8 fc	0.3 fc	9.3:1	4.3:1



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 1935 SILVERTON RD. SALEM, OR 97301
 TEL: (503) 363-2334 FAX: (503) 364-2488
 OR CCB# C226; CA CCB# 475267
 ALL REPRODUCTIONS SHALL BEAR THIS NOTICE.

New Sanctuary Horizon Community Church
 Tualatin, OR 97062
 23370 SW Boones Ferry Rd
ELEC - SITE PLAN - PHOTOMETRICS - BUILDING

REV. #	DATE

DATE: 04/25/2024
 JOB: 23-0120
 DESIGN BY: ANC
 CONTACT: SHANE BUMP
 TEL. #: 503-363-2334

E1.2

FEATURES & SPECIFICATIONS

INTENDED USE — These specifications are for USA standards only. Square Straight Steel is a general purpose light pole for up to 39-foot mounting heights. This pole provides a robust yet cost effective option for mounting area lights and floodlights.

CONSTRUCTION

Pole Shaft: The pole shaft is of uniform dimension and wall thickness and is made of a weldable-grade, hot-rolled, commercial-quality steel tubing with a minimum yield of 55 KSI (11-gauge, 0.120"), or 50 KSI (7-gauge, 0.179"). Shaft is one-piece with a full-length longitudinal high-frequency electric resistance weld. Uniformly square in cross-section with flat sides, small corner radii and excellent torsional qualities. Available shaft widths are 4", 5" and 6".

Pole Top: Options include 4" tenon top, drilled for side mount fixture, tenon with drilling (includes extra handhole) and open top. Side drilled and open top poles include a removable top cap.

Handhole: A reinforced handhole with grounding provision is provided at 18" from the base on side A. Positioning the handhole lower may not be possible and requires engineering review; consult Tech Support-Outdoor for further information. Every handhole includes a cover and cover attachment hardware. The handhole has a nominal dimension of 2.5" x 5".

Base Cover: A durable ABS plastic two-piece full base cover, finished to match the pole, is provided with each pole assembly. Additional base cover options are available upon request.

Anchor Base/Bolts: Anchor base is fabricated from steel that meets ASTM A36 standards and can be altered to match existing foundations; consult factory for modifications. Anchor bolts are manufactured to ASTM F1554 Standards grade 55, (55 KSI minimum yield strength and tensile strength of 75-95 KSI). Top threaded portion (nominal 12") is hot-dipped galvanized per ASTM A-153.

HARDWARE — All structural fasteners are high-strength galvanized carbon steel. All non-structural fasteners are galvanized or zinc-plated carbon steel or stainless steel.

FINISH — Extra durable painted finish is coated with TGIC (Triglycidyl Isocyanurate) Polyester powder that meets 5A and 5B classifications of ASTM D3359. Powder-coat finishes include Dark Bronze, White, Black, and Natural Aluminum colors. Architectural Colors and Special Finishes are available by quote and include, but are not limited to Paint over Hot-dipped Galvanized, RAL Colors, Custom Colors and Extended Warranty Finishes.

GOVERNMENT PROCUREMENT

BAA – Buy America(n) Act: Product qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product also qualifies as manufactured in the United States under DOT Buy America regulations.

BABA – Build America Buy America: Product qualifies as produced in the United States under the definitions of the Build America, Buy America Act.

Please refer to www.acuitybrands.com/buy-american for additional information.

INSTALLATION — Do not erect poles without having fixtures installed. Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates. If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage. Lithonia Lighting is not responsible for the foundation design.

WARRANTY — 1-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

NOTE: Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice.

Catalog Number
Notes
Type



Anchor Base Poles

SSS

SQUARE STRAIGHT STEEL



SSS Square Straight Steel Poles

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: SSS 20 5C DM19 DDBXD

Series	Nominal fixture mounting height	Nominal shaft base size/wall thickness ¹	Mounting ²	Options	Finish
SSS	10'-39' (for 1/2 ft increments, add -6 to the pole height. Ex: 20-6 equals 20ft 6in.) (See technical information table for complete ordering information.)	4C 4" 11g (0.120") 4G 4" 7g (0.179") 5C 5" 11g (0.120") 5G 5" 7g (0.179") 6G 6" 7g (0.179") (See technical information table for complete ordering information.)	Tenon mounting PT Open top (includes top cap) T20 2-3/8" O.D. (2" NPS) T25 2-7/8" O.D. (2-1/2" NPS) T30 3-1/2" O.D. (3" NPS) T35 4" O.D. (3-1/2" NPS) <u>KAC/KAD/KSE/KSF/KVR/KVF</u> <u>Drill mounting³</u> DM19 1 at 90° DM28 2 at 180° DM28 PL 2 at 180° with one side plugged DM29 2 at 90° DM39 3 at 90° DM49 4 at 90° <u>CSX/DSX/RXS/AERIS™/OMERO™</u> <u>KAX Drill mounting³</u> DM19AS 1 at 90° DM28AS 2 at 180° DM29AS 2 at 90° DM39AS 3 at 90° DM49AS 4 at 90° <u>RAD drill mounting³</u> DM19RAD 1 at 90° DM28RAD 2 at 180° DM29RAD 2 at 90° DM39RAD 3 at 90° DM49RAD 4 at 90° <u>ESX Drill mounting³</u> DM19ESX 1 at 90° DM28ESX 2 at 180° DM29ESX 2 at 90° DM39ESX 3 at 90° DM49ESX 4 at 90°	Shipped installed VD Vibration damper ⁴ HAxy Horizontal arm bracket (1 fixture) ^{5,6} FDLxy Festoon outlet less electrical ^{5,7} CPL12/xy 1/2" coupling ⁵ CPL34/xy 3/4" coupling ⁵ CPL1/xy 1" coupling ⁵ NPL12/xy 1/2" threaded nipple ⁵ NPL34/xy 3/4" threaded nipple ⁵ NPL1/xy 1" threaded nipple ⁵ EHHxy Extra handhole ^{5,8} STLHHC Steel handhole cover (standard is plastic, finish is smooth) ⁹ FBCSTL2PC 2 Piece steel base cover (standard is plastic) ⁹ IC Interior coating ¹⁰ L/AB Less anchor bolts (Include when anchor bolts are not needed) TP Tamper resistant handhole cover fasteners NEC NEC 410.30 compliant gasketed handhole (Not UL Labeled) UL UL listed with label (Includes NEC compliant cover) BAA Buy America(n) Act Compliant ¹¹ VM/original order# Match pole to prior order or project ¹²	Super durable paint colors DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DSSXD Sandstone DGCXD Charcoal gray DTGXD Tennis green DBRXD Bright red DSBXD Steel blue DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white Other finishes GALV Galvanized finish Architectural colors and special finishes¹³ [PAINT] GALV Paint over galvanizing VP30 3 year warranty extension VP53 5 year warranty extension RAL#### Use designated Lithonia Lighting nomenclature in brochure Custom color Nomenclature assigned through Customer Care "Custom Color Process"

NOTES:

- Wall thickness will be signified with a "C" (11 Gauge) or a "G" (7-Gauge) in nomenclature. "C" - 0.120" | "G" - 0.179".
- PT open top poles include top cap. When ordering tenon mounting and drill mounting for the same pole, specify as drilling option/tenon option. The combination includes a required extra handhole.
Example: DM28/T20.
- Refer to the fixture spec sheet for the correct drilling template pattern and orientation compatibility.
- On 4" and 5" poles, VD cannot be installed if provisions (EHH, FDL, NPL, CPL) are located higher than 2/3 of the pole's total height.
Example: Pole height is 25ft, A provision cannot be placed above 16ft.
- Specify location and orientation when ordering option.
For "x": Specify the height above the base of pole in feet or feet and inches; separate feet and inches with a "-".
Example: 5ft = 5 and 20ft 3in = 20-3
For "y": Specify orientation from handhole (A,B,C,D) Refer to the Handhole Orientation diagram below.
Example: 1/2" coupling at 5' 8", orientation C = CPL12/5-8C
- Horizontal arm is 18" x 2-3/8" O.D. tenon standard, with radius curve providing 12" rise and 2-3/8" O.D. If ordering two horizontal arm at the same height, specify with HAxy.
Example: HA20BD.
- FDL does not come with GFCI outlet or handhole cover. These must be supplied by contractor or electrician.
- Combination of tenon-top and drill mount includes extra handhole. EHH includes cover.
- Plastic hand hole cover and base covers come standard with all poles. Items ship separately. Additional parts can be ordered as replacements.
- Provides enhanced corrosion resistance. N/A with GALV.
- Use when mill certifications are required.
- Must add original order number. Not for replacement parts or post sales issues, contact tech support or post sales teams. VM is used to ensure poles match in appearance exactly from order to order, on a single project site. A common use case would be a multi-phase project with multiple orders.
Example: VM/010-36784
- Must be quoted through AOD. Finishes do not require RFA. RAL colors available are shown in "Architectural Colors brochure". Lead times may be extended up to 2 weeks due to paint procurement.

Accessories: Order as separate catalog number.

PL DT20	Plugs for ESX drillings
PL DT8	Plugs for DMxxAS drillings
FVD xxFT	Field installed vibration damper (snake style)

SSS Square Straight Steel Poles

TECHNICAL INFORMATION — EPA (ft ²) with 1.3 gust											
Catalog Number	Nominal Shaft Length (ft.)*	Pole Shaft Size (Base in. x Top in. x ft.)	Wall thick (in)	Gauge	EPA (ft ²) with 1.3 gust						Approximate ship weight (lbs.)
					80 MPH	Max. weight	90 MPH	Max. weight	100 MPH	Max. weight	
SSS 10 4C	10	4.0 x 10.0	0.120"	11	30.6	765	23.8	595	18.9	473	75
SSS 12 4C	12	4.0 x 12.0	0.120"	11	24.4	610	18.8	470	14.8	370	90
SSS 14 4C	14	4.0 x 14.0	0.120"	11	19.9	498	15.1	378	11.7	293	100
SSS 16 4C	16	4.0 x 16.0	0.120"	11	15.9	398	11.8	295	8.9	223	115
SSS 18 4C	18	4.0 x 18.0	0.120"	11	12.6	315	9.2	230	6.7	168	125
SSS 20 4C	20	4.0 x 20.0	0.120"	11	9.6	240	6.7	167	4.5	150	140
SSS 20 4G	20	4.0 x 20.0	0.179"	7	14	350	11	275	8	200	198
SSS 20 5C	20	5.0 x 20.0	0.120"	11	17.7	443	12.7	343	9.4	235	185
SSS 20 5G	20	5.0 x 20.0	0.179"	7	28.1	703	21.4	535	16.2	405	265
SSS 25 4C	25	4.0 x 25.0	0.120"	11	4.8	150	2.6	100	1	50	170
SSS 25 4G	25	4.0 x 25.0	0.179"	7	10.8	270	7.7	188	5.4	135	245
SSS 25 5C	25	5.0 x 25.0	0.120"	11	9.8	245	6.3	157	3.7	150	225
SSS 25 5G	25	5.0 x 25.0	0.179"	7	18.5	463	13.3	333	9.5	238	360
SSS 30 4G	30	4.0 x 30.0	0.179"	7	6.7	168	4.4	110	2.6	65	295
SSS 30 5C	30	5.0 x 30.0	0.120"	11	4.7	150	2	50	--	--	265
SSS 30 5G	30	5.0 x 30.0	0.179"	7	10.7	267	6.7	167	3.9	100	380
SSS 30 6G	30	6.0 x 30.0	0.179"	7	19	475	13.2	330	9	225	520
SSS 35 5G	35	5.0 x 35.0	0.179"	7	5.9	150	2.5	100	--	--	440
SSS 35 6G	35	6.0 x 35.0	0.179"	7	12.4	310	7.6	190	4.2	105	540
SSS 39 6G	39	6.0 x 39.0	0.179"	7	7.2	180	3	75	--	--	605

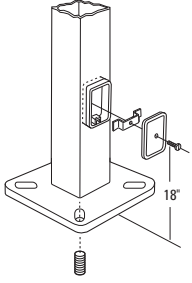
NOTE: EPA values are based ASCE 7-93 wind map.
 * For 1/2 ft increments, add -6 to the pole height. Ex: 20-6 equals 20ft 6in.

TECHNICAL INFORMATION — EPA (ft ²) WITH 3-SECOND GUST PER AASHTO 2013																	
Series	Mounting Height (ft)*	Shaft Base Size	90 MPH	Max. weight	100 MPH	Max. weight	110 MPH	Max. weight	120 MPH	Max. weight	130 MPH	Max. weight	140 MPH	Max. weight	150 MPH	Max. weight	Approximate ship weight (lbs.)
SSS	10	4C	20	500	16	400	13	325	10.5	263	8.5	213	7	175	6	150	75
SSS	12	4C	16	400	13	325	10	250	8	200	6.5	163	5	125	4	100	90
SSS	14	4C	13.5	338	10	250	7.5	188	6	150	4.5	113	3.5	88	2.5	63	100
SSS	16	4C	10.5	263	7.5	188	5.5	138	4	100	3	75	1.5	38	1	25	115
SSS	18	4C	8	200	5.5	138	4	100	2.5	63	1.5	38	0.5	13	-	-	125
SSS	18	4G	13	325	9.5	238	7	175	5	125	3.5	88	2.5	63	1.5	38	185
SSS	18	5C	13	325	9.5	238	6.5	163	4.5	113	3	75	1.5	38	.5	13	170
SSS	20	4C	6	150	4	100	2.5	63	1	25	-	-	-	-	-	-	140
SSS	20	4G	10.5	263	7.5	188	5.5	138	3.5	88	2	50	1	25	-	-	205
SSS	20	5C	10	250	7	175	4.5	113	2.5	63	1	25	-	-	-	-	185
SSS	20	5G	20	500	15	375	11.5	288	8.5	213	6	150	4.5	113	3	75	265
SSS	25	4C	2	50	0.5	13	-	-	-	-	-	-	-	-	-	-	170
SSS	25	4G	5.5	138	3	75	1.5	38	-	-	-	-	-	-	-	-	245
SSS	25	5C	4.5	113	2	50	-	-	-	-	-	-	-	-	-	-	225
SSS	25	5G	12	300	8.5	213	5.5	138	3	75	1.5	38	-	-	-	-	360
SSS	25	6G	19	475	13.5	338	9	225	5.5	138	3	75	1	25	-	-	445
SSS	30	4G	1.5	38	-	-	-	-	-	-	-	-	-	-	-	-	291
SSS	30	5C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	265
SSS	30	5G	6.5	163	3.5	88	1	25	-	-	-	-	-	-	-	-	380
SSS	30	6G	11	275	6	150	2.5	63	-	-	-	-	-	-	-	-	520
SSS	35	5G	2	50	-	-	-	-	-	-	-	-	-	-	-	-	440
SSS	35	6G	4	100	-	-	-	-	-	-	-	-	-	-	-	-	540
SSS	39	6G	-	-	-	-	-	-	-	-	-	-	-	-	-	-	605

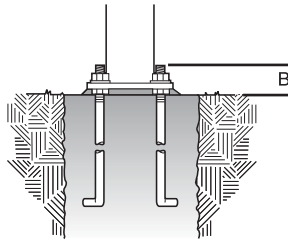
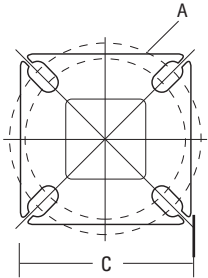
NOTE: AASHTO 2013 criteria is the most conservative existing EPA calculation. For poles not showing EPA values under AASHTO 2013, EPA values may exist under commercial criteria (see table above).
 *For 1/2 ft increments, add -6 to the pole height. Ex: 20-6 equals 20ft 6in.

SSS Square Straight Steel Poles

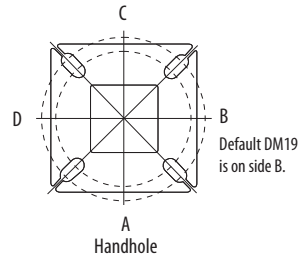
BASE DETAIL



ANCHORAGE AND TEMPLATE INFORMATION								
Shaft base size	Bolt circle A	Bolt projection B	Base square C	Base plate thickness	Template description	Anchor bolt description	Bolt size (in. x in. x in.)	Anchor bolt and template description
4"C	8" – 9"	3.25" - 3.75"	8" - 8.25"	0.75"	ABTEMPLATE PJ50004	AB18-0	3/4 x 18 x 3	ABSSS-4C
4"G	8" – 9"	3.38" - 3.75"	8" - 8.25"	0.875"	ABTEMPLATE PJ50004	AB30-0	3/4 x 30 x 3	ABSSS-4G
5"	10" – 12"	3.5" - 4"	11"	1"	ABTEMPLATE PJ50010	AB36-0	1 x 36 x 4	ABSSS-5
6"	11" – 13"	4" - 4.50"	12.5"	1"	ABTEMPLATE PJ50011	AB36-0	1 x 36 x 4	N/A



HANDHOLE ORIENTATION



IMPORTANT INSTALLATION NOTES:

- **Do not** erect poles without having fixtures installed.
- Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates.
- If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.
- Lithonia Lighting is not responsible for the foundation design.
- Bolt circles have +/- 1/2" tolerance.

CAUTION: These specifications are intended for general purposes only. Lithonia Lighting reserves the right to change material or design, without prior notice, in a continuing effort to upgrade its products.



D-Series Size 1 LED Area Luminaire



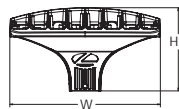
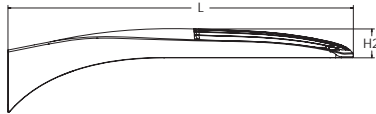
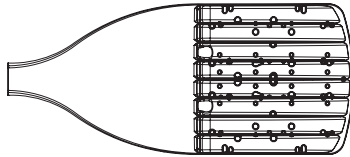
Catalog Number	DSX1 LED-P3-40K-BLC-MVOLT-SPA-PIR
Notes	
Type	S2

Hit the Tab key or mouse over the page to see all interactive elements.

d#series

Specifications

EPA:	0.69 ft ² (0.06 m ²)
Length:	32.71" (83.1 cm)
Width:	14.26" (36.2 cm)
Height H1:	7.88" (20.0 cm)
Height H2:	2.73" (6.9 cm)
Weight:	34 lbs (15.4 kg)



Introduction

The modern styling of the D-Series features a highly refined aesthetic that blends seamlessly with its environment. The D-Series offers the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.

The photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. D-Series outstanding photometry aids in reducing the number of poles required in area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

Ordering Information

EXAMPLE: DSX1 LED P7 40K 70CRI T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

Series	LEDs	Color temperature ²	Color Rendering Index ²	Distribution	Voltage	Mounting	
DSX1 LED	Forward optics	(this section 70CRI only)		AFR Automotive front row	T5M Type V medium	MVOLT (120V-277V) ⁴	Shipped included
	P1 P6	30K 3000K	70CRI	T1S Type I short	TSLG Type V low glare	HVOLT (347V-480V) ^{5,6}	SPA Square pole mounting (#8 drilling)
	P2 P7	40K 4000K	70CRI	T2M Type II medium	T5W Type V wide	XVOLT (277V - 480V) ^{7,8}	RPA Round pole mounting (#8 drilling)
	P3 P8	50K 5000K	70CRI	T3M Type III medium	BLC3 Type III backlight control ³	120 ^{16,26}	SPA5 Square pole mounting #5 drilling ⁹
	P4 P9	(this section 80CRI only, extended lead times apply)		T3LG Type III low glare ³	BLC4 Type IV backlight control ³	208 ^{16,26}	RPA5 Round pole mounting #5 drilling ⁹
	P5			T4M Type IV medium	LCCO Left corner cutoff ³	240 ^{16,26}	SPA8N Square narrow pole mounting #8 drilling
	Rotated optics	27K 2700K	80CRI	T4LG Type IV low glare ³	RCCO Right corner cutoff ³	277 ^{16,26}	WBA Wall bracket ¹⁰
	P10 ¹ P12 ¹	30K 3000K	80CRI	TFTM Forward throw medium		347 ^{16,26}	MA Mast arm adapter (mounts on 2 3/8" OD horizontal tenon)
	P11 ¹ P13 ¹	35K 3500K	80CRI			480 ^{16,26}	
		40K 4000K	80CRI				
		50K 5000K	80CRI				

Control options	Other options	Finish (required)
Shipped installed	Shipped installed	DDBXD Dark Bronze
NLTAIR2 PIRHN nLight AIR gen 2 enabled with bi-level motion / ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc. ^{11,12,20,21}	SPD20KV 20KV surge protection	DBLXD Black
PIR High/low, motion/ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc. ^{13,20,21}	HS Houseside shield (black finish standard) ²²	DNAXD Natural Aluminum
PER NEMA twist-lock receptacle only (controls ordered separately) ¹⁴	L90 Left rotated optics ¹	DWHXD White
PER5 Five-pin receptacle only (controls ordered separately) ^{14,21}	R90 Right rotated optics ¹	DDBTXD Textured dark bronze
PER7 Seven-pin receptacle only (controls ordered separate) ^{14,21}	CCE Coastal Construction ²³	DBLBXD Textured black
FAO Field adjustable output ^{15,21}	HA 50°C ambient operation ²⁴	DNATXD Textured natural aluminum
BL30 Bi-level switched dimming, 30% ^{16,21}	BAA Buy America(n) Act Compliant	DWHGXD Textured white
BL50 Bi-level switched dimming, 50% ^{16,21}	SF Single fuse (120, 277, 347V) ²⁶	
DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately) ¹⁷	DF Double fuse (208, 240, 480V) ²⁶	
DS Dual switching ^{18,19,21}	Shipped separately	
	EGSR External Glare Shield (reversible, field install required, matches housing finish)	
	BSDB Bird Spikes (field install required)	



Ordering Information

Accessories

Ordered and shipped separately.

DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) ²⁵
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) ²⁵
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) ²⁵
DSHORT SBK	Shorting cap ²⁵
DSX1HS P#	House-side shield (enter package number 1-13 in place of #)
DSXRPA (FINISH)	Round pole adapter (#8 drilling, specify finish)
DSXSPA5 (FINISH)	Square pole adapter #5 drilling (specify finish)
DSXRPA5 (FINISH)	Round pole adapter #5 drilling (specify finish)
DSX1EGSR (FINISH)	External glare shield (specify finish)
DSX1BSDB (FINISH)	Bird spike deterrent bracket (specify finish)

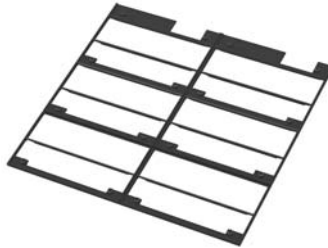
NOTES

- Rotated optics available with packages P10, P11, P12 and P13. Must be combined with option L90 or R90.
- 30K, 40K, and 50K available in 70CRI and 80CRI. 27K and 35K only available with 80CRI. Contact Technical Support for other possible combinations.
- T3LG, T4LG, BLC3, BLC4, LCCO, RCCO not available with option HS.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- HVOLT driver operates on any line voltage from 347-480V (50/60 Hz).
- HVOLT not available with package P1 and P10 when combined with option NLTAIR2 PIRHN or option PIR.
- XVOLT operates with any voltage between 277V and 480V (50/60 Hz).
- XVOLT not available in packages P1 or P10. XVOLT not available with fusing (SF or DF).
- SPA5 and RPA5 for use with #5 drilling only (Not for use with #8 drilling).
- WBA cannot be combined with Type 5 distributions plus photocell (PER).
- NLTAIR2 and PIRHN must be ordered together. For more information on nLight AIR2 visit this [link](#).
- NLTAIR2 PIRHN not available with other controls including PIR, PER, PER5, PER7, FAO, BL30, BL50, DMG and DS. NLTAIR2 PIRHN not available with P1 and P10 using HVOLT. NLTAIR2 PIRHN not available with P1 and P10 using XVOLT.
- PIR not available with NLTAIR2 PIRHN, PER, PER5, PER7, FAO BL30, BL50, DMG and DS. PIR not available with P1 and P10 using HVOLT. PIR not available with P1 and P10 using XVOLT.
- PER/PER5/PER7 not available with NLTAIR2 PIRHN, PIR, BL30, BL50, FAO, DMG and DS. Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting Cap included.
- FAO not available with other dimming control options NLTAIR2 PIRHN, PIR, PER5, PER7, BL30, BL50, DMG and DS.
- BL30 and BL50 are not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, FAO, DMG and DS. BL30 or BL50 must specify 120, 277 or 347V. Consult tech support for 208, 240 or 480V.
- DMG not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, BL30, BL50, FAO and DS.
- DS not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, BL30, BL50, FAO and DMG.
- DS requires (2) separately switched circuits. DS provides 50/50 fixture operation via (2) different sets of leads using (2) drivers. DS only available with packages P8, P9, P10, P11, P12 and P13.
- Reference Motion Sensor Default Settings table on page 4 to see functionality.
- Reference Controls Options table on page 4.
- HS not available with T3LG, T4LG, BLC3, BLC4, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
- CCE option not available with option BS and EGSR. Contact Technical Support for availability.
- Option HA not available with performance packages P4, P5, P7, P8, P9 and P13.
- Requires luminaire to be specified with PER, PER5 or PER7 option. See Controls Table on page 4.
- Single fuse (SF) requires 120V, 277V, or 347V. Double fuse (DF) requires 208V, 240V or 480V. XVOLT not available with fusing (SF or DF).

Shield Accessories



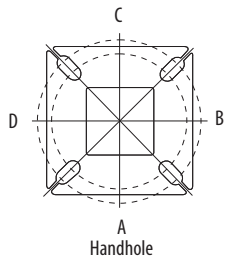
External Glare Shield (EGSR)



House Side Shield (HS)

Drilling

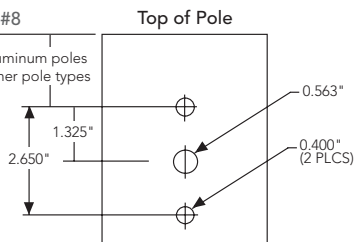
HANDHOLE ORIENTATION



Handhole

Template #8

1.75" for aluminum poles
2.75" for other pole types



Tenon Mounting Slipfitter

Tenon O.D.	Mounting	Single Unit	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
2-3/8"	RPA	AS3-5 190	AS3-5 280	AS3-5 290	AS3-5 390	AS3-5 320	AS3-5 490
2-7/8"	RPA	AST25-190	AST25-280	AST25-290	AST25-390	AST25-320	AST25-490
4"	RPA	AST35-190	AST35-280	AST35-290	AST35-390	AST35-320	AST35-490

Mounting Option	Drilling Template	Single	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
Head Location		Side B	Side B & D	Side B & C	Side B, C & D	Round Pole Only	Side A, B, C & D
Drill Nomenclature	#8	DM19AS	DM28AS	DM29AS	DM39AS	DM32AS	DM49AS
Minimum Acceptable Outside Pole Dimension							
SPA	#8	3.5"	3.5"	3.5"	3.5"		3.5"
RPA	#8	3"	3"	3"	3"	3"	3"
SPA5	#5	3"	3"	3"	3"		3"
RPA5	#5	3"	3"	3"	3"	3"	3"
SPA8N	#8	3"	3"	3"	3"		3"

DSX1 Area Luminaire - EPA

*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.

Fixture Quantity & Mounting Configuration	Single DM19	2 @ 180 DM28	2 @ 90 DM29	3 @ 90 DM39	3 @ 120 DM32	4 @ 90 DM49
Mounting Type						
DSX1 with SPA	0.69	1.38	1.23	1.54	---	1.58
DSX1 with SPA5, SPA8N	0.70	1.40	1.30	1.66	---	1.68
DSX1 with RPA, RPA5	0.70	1.40	1.30	1.66	1.60	1.68
DSX1 with MA	0.83	1.66	1.50	2.09	2.09	2.09

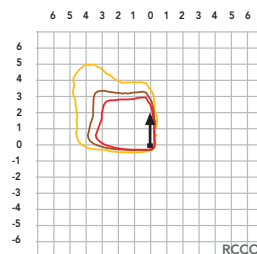
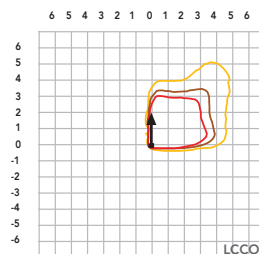
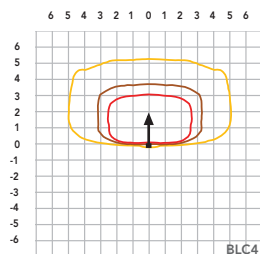
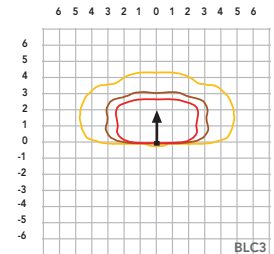
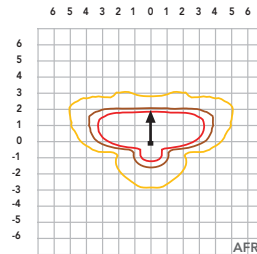
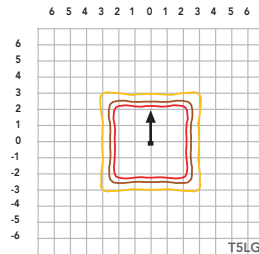
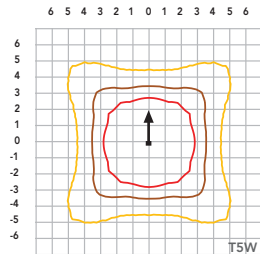
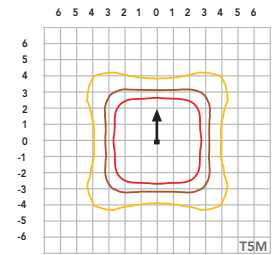
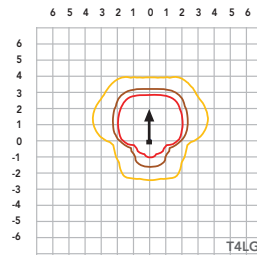
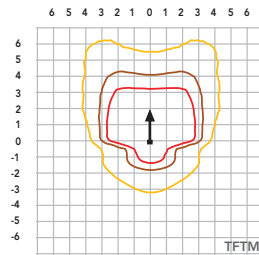
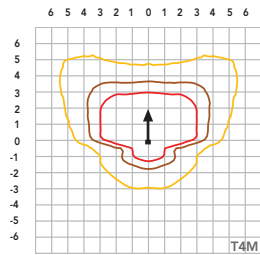
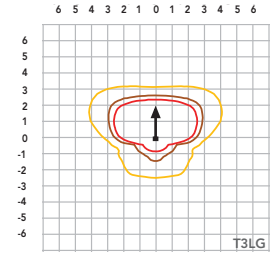
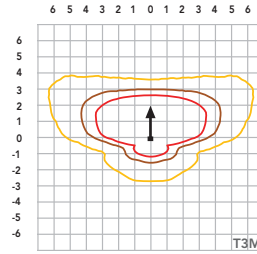
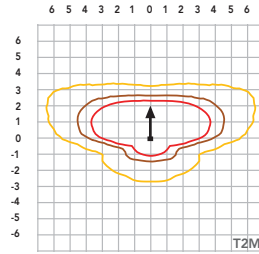
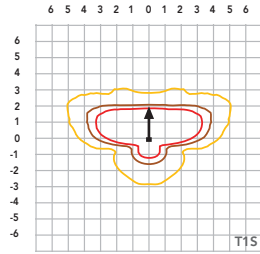
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [homepage](#).

Isofootcandle plots for the DSX1 LED P9 40K 70CRI. Distances are in units of mounting height (25').

LEGEND

- 0.1 fc
- 0.5 fc
- 1.0 fc



Performance Data

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.04
5°C	41°F	1.04
10°C	50°F	1.03
15°C	59°F	1.02
20°C	68°F	1.01
25°C	77°C	1.00
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	Lumen Maintenance Factor
0	1.00
25,000	0.95
50,000	0.90
100,000	0.81

FAO Dimming Settings

FAO Position	% Wattage	% Lumen Output
8	100%	100%
7	93%	95%
6	80%	85%
5	66%	73%
4	54%	61%
3	41%	49%
2	29%	36%
1	15%	20%

*Note: Calculated values are based on original performance package data. When calculating new values for given FAO position, use maximum published values by package listed on specification sheet (input watts and lumens by optic type).

Motion Sensor Default Settings

Option	Unoccupied Dimmed Level	High Level (when occupied)	Photocell Operation	Dwell Time	Ramp-up Time	Dimming Fade Rate
PIR	30%	100%	Enabled @ 2FC	7.5 min	3 sec	5 min
NLTAIR2 PIRHN	30%	100%	Enabled @ 2FC	7.5 min	3 sec	5 min

Controls Options

Nomenclature	Description	Functionality	Primary control device	Notes
FAO	Field adjustable output device installed inside the luminaire; wired to the driver dimming leads.	Allows the luminaire to be manually dimmed, effectively trimming the light output.	FAO device	Cannot be used with other controls options that need the 0-10V leads
DS (not available on DSX0)	Drivers wired independently for 50/50 luminaire operation	The luminaire is wired to two separate circuits, allowing for 50/50 operation.	Independently wired drivers	Requires two separately switched circuits. Consider nLight AIR as a more cost effective alternative.
PERS or PER7	Twist-lock photocell receptacle	Compatible with standard twist-lock photocells for dusk to dawn operation, or advanced control nodes that provide 0-10V dimming signals.	Twist-lock photocells such as DLL Elite or advanced control nodes such as ROAM.	Pins 4 & 5 to dimming leads on driver, Pins 6 & 7 are capped inside luminaire. Cannot be used with other controls options that need the 0-10V leads.
PIR	Motion sensor with integral photocell. Sensor suitable for 8' to 40' mounting height.	Luminaires dim when no occupancy is detected.	Acuity Controls rSBG	Cannot be used with other controls options that need the 0-10V leads.
NLTAIR2 PIRHN	nLight AIR enabled luminaire for motion sensing, photocell and wireless communication.	Motion and ambient light sensing with group response. Scheduled dimming with motion sensor over-ride when wirelessly connected to the nLight Elypse.	nLight Air rSBG	nLight AIR sensors can be programmed and commissioned from the ground using the CIAIRity Pro app. Cannot be used with other controls options that need the 0-10V leads.
BL30 or BL50	Integrated bi-level device that allows a second control circuit to switch all light engines to either 30% or 50% light output	BLC device provides input to 0-10V dimming leads on all drivers providing either 100% or dimmed (30% or 50%) control by a secondary circuit	BLC UVOLT1	BLC device is powered off the 0-10V dimming leads, thus can be used with any input voltage from 120 to 480V

Electrical Load

	Performance Package	LED Count	Drive Current (mA)	Wattage	Current (A)					
					120V	208V	240V	277V	347V	480V
Forward Optics (Non-Rotated)	P1	30	530	51	0.42	0.24	0.21	0.18	0.15	0.11
	P2	30	700	68	0.56	0.33	0.28	0.24	0.20	0.14
	P3	30	1050	104	0.85	0.49	0.43	0.37	0.29	0.21
	P4	30	1250	125	1.03	0.60	0.52	0.45	0.36	0.26
	P5	30	1400	142	1.15	0.66	0.58	0.50	0.40	0.29
	P6	40	1250	167	1.38	0.79	0.69	0.60	0.48	0.34
	P7	40	1400	188	1.54	0.89	0.77	0.67	0.53	0.38
	P8	60	1100	216	1.80	1.04	0.90	0.78	0.62	0.45
	P9	60	1400	279	2.31	1.33	1.15	1.00	0.80	0.58
Rotated Optics (Requires L90 or R90)	P10	60	530	101	0.84	0.49	0.42	0.37	0.29	0.21
	P11	60	700	135	1.12	0.65	0.56	0.49	0.39	0.28
	P12	60	1050	206	1.72	0.99	0.86	0.74	0.59	0.43
	P13	60	1400	279	2.30	1.33	1.15	1.00	0.79	0.57

LED Color Temperature / Color Rendering Multipliers

	70 CRI		80CRI		90CRI	
	Lumen Multiplier	Availability	Lumen Multiplier	Availability	Lumen Multiplier	Availability
5000K	102%	Standard	92%	Extended lead-time	71%	(see note)
4000K	100%	Standard	92%	Extended lead-time	67%	(see note)
3500K	100%	(see note)	90%	Extended lead-time	63%	(see note)
3000K	96%	Standard	87%	Extended lead-time	61%	(see note)
2700K	94%	(see note)	85%	Extended lead-time	57%	(see note)

Note: Some LED types are available as per special request. Contact Technical Support for more information.

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of configurations shown within the tolerances described within LM-79. Contact factory for performance data on any configurations not shown here.

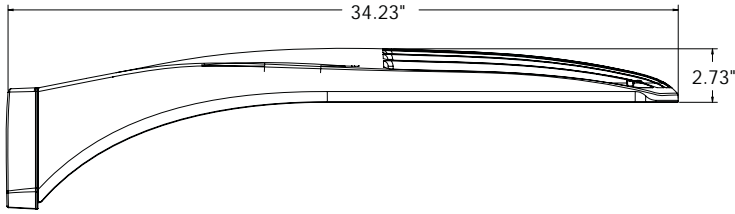
Forward Optics																			
Performance Package	System Watts	LED Count	Drive Current (mA)	Distribution Type	30K					40K					50K				
					(3000K, 70 CRI)					(4000K, 70 CRI)					(5000K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P1	51W	30	530	T1S	7,776	1	0	2	153	8,104	1	0	2	159	8,262	1	0	2	162
				T2M	7,203	1	0	3	142	7,507	2	0	3	147	7,653	2	0	3	150
				T3M	7,287	1	0	3	143	7,594	1	0	3	149	7,742	1	0	3	152
				T3LG	6,509	1	0	1	128	6,783	1	0	1	133	6,916	1	0	1	136
				T4M	7,395	1	0	3	145	7,707	1	0	3	151	7,857	1	0	3	154
				T4LG	6,726	1	0	1	132	7,010	1	0	1	138	7,146	1	0	1	140
				TFTM	7,446	1	0	3	146	7,760	1	0	3	152	7,912	1	0	3	155
				T5M	7,609	3	0	2	149	7,930	3	0	2	156	8,084	3	0	2	159
				T5W	7,732	3	0	2	152	8,058	4	0	2	158	8,215	4	0	2	161
				T5LG	7,631	3	0	1	150	7,953	3	0	1	156	8,108	3	0	1	159
				BLC3	5,300	0	0	2	104	5,524	0	0	2	109	5,631	0	0	2	111
				BLC4	5,474	0	0	3	108	5,705	0	0	3	112	5,816	0	0	3	114
				RCCO	5,348	0	0	2	105	5,573	0	0	2	109	5,682	0	0	2	112
				LCCO	5,348	0	0	2	105	5,573	0	0	2	109	5,682	0	0	2	112
				AFR	7,776	1	0	2	153	8,104	1	0	2	159	8,262	1	0	2	162
P2	68W	30	700	T1S	9,997	1	0	2	147	10,418	1	0	2	154	10,621	1	0	2	157
				T2M	9,260	2	0	3	137	9,651	2	0	3	142	9,839	2	0	3	145
				T3M	9,368	2	0	3	138	9,763	2	0	3	144	9,953	2	0	3	147
				T3LG	8,368	1	0	2	123	8,721	1	0	2	129	8,891	1	0	2	131
				T4M	9,507	2	0	3	140	9,909	2	0	3	146	10,102	2	0	3	149
				T4LG	8,647	1	0	2	128	9,012	1	0	2	133	9,187	1	0	2	136
				TFTM	9,573	2	0	3	141	9,977	2	0	3	147	10,172	2	0	3	150
				T5M	9,782	4	0	2	144	10,195	4	0	2	150	10,393	4	0	2	153
				T5W	9,940	4	0	2	147	10,360	4	0	2	153	10,562	4	0	2	156
				T5LG	9,810	3	0	1	145	10,224	3	0	1	151	10,423	3	0	1	154
				BLC3	6,814	0	0	2	101	7,101	0	0	2	105	7,240	0	0	2	107
				BLC4	7,038	0	0	3	104	7,334	0	0	3	108	7,477	0	0	3	110
				RCCO	6,875	1	0	2	101	7,165	1	0	2	106	7,305	1	0	2	108
				LCCO	6,875	1	0	2	101	7,165	1	0	2	106	7,305	1	0	2	108
				AFR	9,997	1	0	2	147	10,418	1	0	2	154	10,621	1	0	2	157
P3	102W	30	1050	T1S	14,093	2	0	2	138	14,687	2	0	2	144	14,973	2	0	2	147
				T2M	13,055	2	0	3	128	13,605	2	0	3	133	13,871	2	0	3	136
				T3M	13,206	2	0	4	129	13,763	2	0	4	135	14,031	2	0	4	137
				T3LG	11,797	2	0	2	115	12,294	2	0	2	120	12,534	2	0	2	123
				T4M	13,403	2	0	4	131	13,968	2	0	4	137	14,241	2	0	4	139
				T4LG	12,190	2	0	2	119	12,704	2	0	2	124	12,952	2	0	2	127
				TFTM	13,496	2	0	4	132	14,065	2	0	4	138	14,339	2	0	4	140
				T5M	13,790	4	0	2	135	14,371	4	0	2	141	14,652	4	0	2	143
				T5W	14,013	4	0	3	137	14,605	4	0	3	143	14,889	4	0	3	146
				T5LG	13,830	3	0	2	135	14,413	3	0	2	141	14,694	3	0	2	144
				BLC3	9,606	0	0	2	94	10,011	0	0	2	98	10,206	0	0	2	100
				BLC4	9,921	0	0	3	97	10,340	0	0	3	101	10,541	0	0	3	103
				RCCO	9,692	1	0	2	95	10,101	1	0	2	99	10,298	1	0	2	101
				LCCO	9,692	1	0	2	95	10,101	1	0	2	99	10,298	1	0	2	101
				AFR	14,093	2	0	2	138	14,687	2	0	2	144	14,973	2	0	2	147

Lumen Output

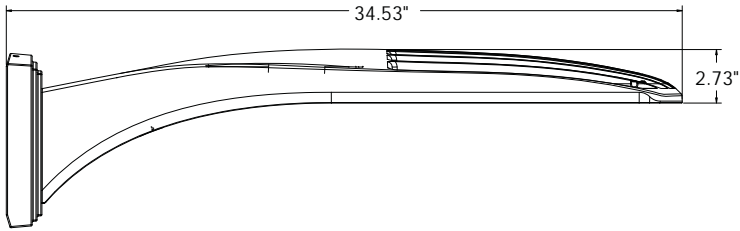
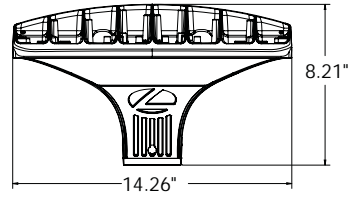
Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of configurations shown within the tolerances described within LM-79. Contact factory for performance data on any configurations not shown here.

Forward Optics																							
Performance Package	System Watts	LED Count	Drive Current (mA)	Distribution Type	30K					40K					50K								
					(3000K, 70 CRI)					(4000K, 70 CRI)					(5000K, 70 CRI)								
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW				
P4	124W	30	1250	T1S	16,416	2	0	3	132	17,109	2	0	3	138	17,442	2	0	3	141				
				T2M	15,207	3	0	4	123	15,849	3	0	4	128	16,158	3	0	4	130				
				T3M	15,383	2	0	4	124	16,032	2	0	4	129	16,345	2	0	4	132				
				T3LG	13,742	2	0	2	111	14,321	2	0	2	116	14,600	2	0	2	118				
				T4M	15,613	2	0	4	126	16,272	2	0	4	131	16,589	2	0	4	134				
				T4LG	14,200	2	0	2	115	14,799	2	0	2	119	15,087	2	0	2	122				
				TFTM	15,721	2	0	4	127	16,384	2	0	4	132	16,703	2	0	4	135				
				T5M	16,063	4	0	2	130	16,741	4	0	2	135	17,067	4	0	2	138				
				T5W	16,324	5	0	3	132	17,013	5	0	3	137	17,344	5	0	3	140				
				T5LG	16,110	3	0	2	130	16,790	4	0	2	135	17,117	4	0	2	138				
				BLC3	11,190	0	0	3	90	11,662	0	0	3	94	11,889	0	0	3	96				
				BLC4	11,557	0	0	3	93	12,044	0	0	3	97	12,279	0	0	4	99				
				RCCO	11,291	1	0	3	91	11,767	1	0	3	95	11,996	1	0	3	97				
				LCCO	11,291	1	0	3	91	11,767	1	0	3	95	11,996	1	0	3	97				
				AFR	16,416	2	0	3	132	17,109	2	0	3	138	17,442	2	0	3	141				
				P5	138W	30	1400	T1S	18,052	2	0	3	131	18,814	2	0	3	136	19,180	2	0	3	139
								T2M	16,723	3	0	4	121	17,428	3	0	4	126	17,768	3	0	4	129
T3M	16,917	3	0					4	122	17,630	3	0	4	128	17,974	3	0	4	130				
T3LG	15,111	2	0					2	109	15,749	2	0	2	114	16,055	2	0	2	116				
T4M	17,169	3	0					5	124	17,893	3	0	5	130	18,242	3	0	5	132				
T4LG	15,615	2	0					2	113	16,274	2	0	2	118	16,591	2	0	2	120				
TFTM	17,288	2	0					4	125	18,017	2	0	5	130	18,368	3	0	5	133				
T5M	17,664	5	0					3	128	18,410	5	0	3	133	18,768	5	0	3	136				
T5W	17,951	5	0					3	130	18,708	5	0	3	135	19,073	5	0	3	138				
T5LG	17,716	4	0					2	128	18,463	4	0	2	134	18,823	4	0	2	136				
BLC3	12,305	0	0					3	89	12,824	0	0	3	93	13,074	0	0	3	95				
BLC4	12,709	0	0					4	92	13,245	0	0	4	96	13,503	0	0	4	98				
RCCO	12,416	1	0					3	90	12,940	1	0	3	94	13,192	1	0	3	95				
LCCO	12,416	1	0					3	90	12,940	1	0	3	94	13,192	1	0	3	95				
AFR	18,052	2	0					3	131	18,814	2	0	3	136	19,180	2	0	3	139				
P6	165W	40	1250					T1S	21,031	2	0	3	127	21,918	2	0	3	133	22,345	2	0	3	135
								T2M	19,482	3	0	4	118	20,303	3	0	4	123	20,699	3	0	4	125
				T3M	19,708	3	0	5	119	20,539	3	0	5	124	20,939	3	0	5	127				
				T3LG	17,604	2	0	2	107	18,347	2	0	2	111	18,704	2	0	2	113				
				T4M	20,001	3	0	5	121	20,845	3	0	5	126	21,251	3	0	5	129				
				T4LG	18,191	2	0	2	110	18,959	2	0	2	115	19,328	2	0	2	117				
				TFTM	20,140	3	0	5	122	20,989	3	0	5	127	21,398	3	0	5	129				
				T5M	20,579	5	0	3	125	21,447	5	0	3	130	21,865	5	0	3	132				
				T5W	20,912	5	0	3	127	21,795	5	0	3	132	22,219	5	0	3	134				
				T5LG	20,638	4	0	2	125	21,509	4	0	2	130	21,928	4	0	2	133				
				BLC3	14,335	0	0	3	87	14,940	0	0	3	90	15,231	0	0	3	92				
				BLC4	14,805	0	0	4	90	15,430	0	0	4	93	15,731	0	0	4	95				
				RCCO	14,464	1	0	3	88	15,074	1	0	3	91	15,368	1	0	3	93				
				LCCO	14,464	1	0	3	88	15,074	1	0	3	91	15,368	1	0	3	93				
				AFR	21,031	2	0	3	127	21,918	2	0	3	133	22,345	2	0	3	135				

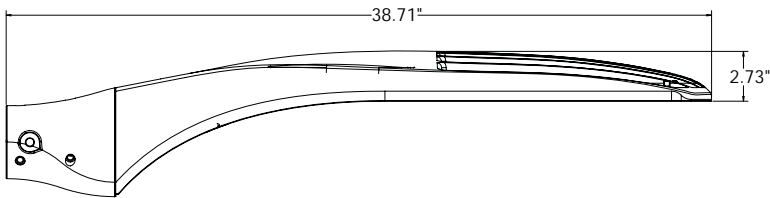
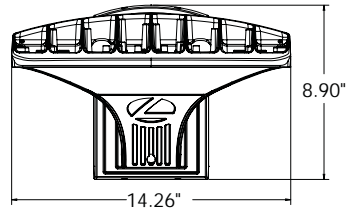
Dimensions



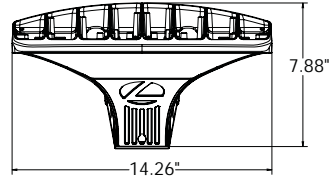
DSX1 with RPA, RPA5, SPA5, SPA8N mount
Weight: 36 lbs



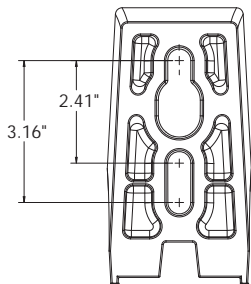
DSX1 with WBA mount
Weight: 38 lbs



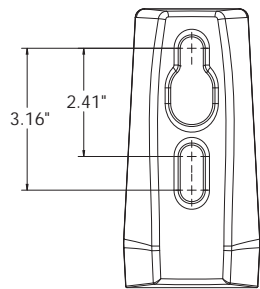
DSX1 with MA mount
Weight: 39 lbs



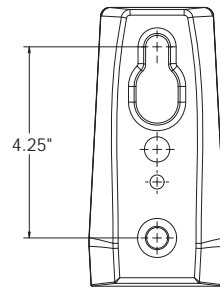
SPA (STANDARD ARM)



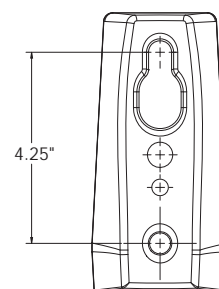
RPA



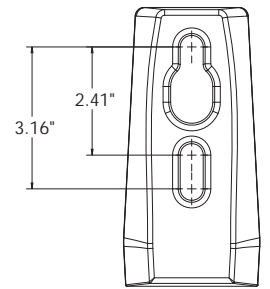
SPA5



RPA5

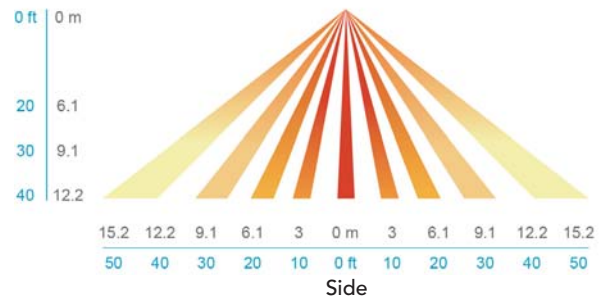
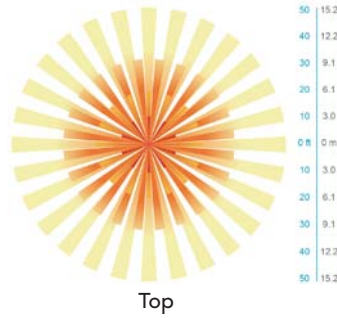


SPA8N



nLight Sensor Coverage Pattern

NLTAIR2 PIRHN



FEATURES & SPECIFICATIONS

INTENDED USE

The sleek design of the D-Series Size 1 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and streetscapes.

CONSTRUCTION

Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED drivers are mounted in direct contact with the casting to promote low operating temperature and long life. Housing driver compartment is completely sealed against moisture and environmental contaminants (IP66). Vibration rated per ANSI C136.31 for 3G for SPA and MA. 1.5G for mountings RPA, RPA5, SPA5 and SPA8N. Low EPA (0.69 ft²) for optimized pole wind loading.

FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in both textured and non-textured finishes.

Coastal Construction (CCE)

Optional corrosion resistant construction is engineered with added corrosion protection in materials and/or pre-treatment of base material under super durable paint. Provides additional corrosion protection for applications near coastal areas. Finish is salt spray tested to over 5,000 hours per ASTM B117 with scribe rating of 10. Additional lead-times may apply.

OPTICS

Precision-molded proprietary silicone lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in standard 3000 K, 4000 K and 5000 K (70 CRI) configurations. 80CRI configurations are also available. The D-Series Size 1 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL

Light engine configurations consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L81/100,000 hours at 25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Easily serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

STANDARD CONTROLS

The DSX1 LED area luminaire has a number of control options. DSX Size 1, comes standard with 0-10V dimming drivers. Dusk to dawn controls can be utilized via optional NEMA twist-lock photocell receptacles. Integrated motion sensor with on-board photocells feature field-adjustable programming and are suitable for mounting heights up to 40 feet. Control option BL features a bi-level device that allows a second control circuit to switch all light engines to either 30% or 50% light output.

nLIGHT AIR CONTROLS

The DSX1 LED area luminaire is also available with nLight® AIR for the ultimate in wireless control. This powerful controls platform provides out-of-the-box basic motion sensing and photocontrol functionality and is suitable for mounting heights up to 40 feet. Once commissioned using a smartphone and the easy-to-use CLAIRITY app, nLight AIR equipped luminaires can be grouped, resulting in motion sensor and photocell group response without the need for additional equipment. Scheduled dimming with motion sensor over-ride can be achieved when used with the nLight Eclipse. Additional information about nLight Air can be found here.

INSTALLATION

Integral mounting arm allows for fast mounting using Lithonia standard #8 drilling and accommodates pole drilling's from 2.41 to 3.12" on center. The standard "SPA" option for square poles and the "RPA" option for round poles use the #8 drilling. For #5 pole drillings, use SPA5 or RPA5. Additional mountings are available including a wall bracket (WBA) and mast arm (MA) option that allows luminaire attachment to a 2 3/8" horizontal mast arm.

LISTINGS

UL listed to meet U.S. and Canadian standards. UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP66 rated. Rated for -40°C minimum ambient.

DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only.

BUY AMERICAN ACT

Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations. Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.



D-Series Size 1 LED Area Luminaire



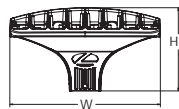
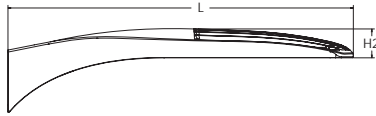
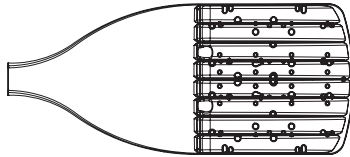
Catalog Number	DSX1 LED-P3-40K-BLC-MVOLT-SPA-PIR
Notes	
Type	S3

Hit the Tab key or mouse over the page to see all interactive elements.

d#series

Specifications

EPA:	0.69 ft ² (0.06 m ²)
Length:	32.71" (83.1 cm)
Width:	14.26" (36.2 cm)
Height H1:	7.88" (20.0 cm)
Height H2:	2.73" (6.9 cm)
Weight:	34 lbs (15.4 kg)



Introduction

The modern styling of the D-Series features a highly refined aesthetic that blends seamlessly with its environment. The D-Series offers the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.

The photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. D-Series outstanding photometry aids in reducing the number of poles required in area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

Ordering Information

EXAMPLE: DSX1 LED P7 40K 70CRI T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

Series	LEDs	Color temperature ²	Color Rendering Index ²	Distribution	Voltage	Mounting	
DSX1 LED	Forward optics	(this section 70CRI only)		AFR Automotive front row	T5M Type V medium	MVOLT (120V-277V) ⁴	Shipped included
	P1 P6	30K 3000K	70CRI	T1S Type I short	TSLG Type V low glare	HVOLT (347V-480V) ^{5,6}	SPA Square pole mounting (#8 drilling)
	P2 P7	40K 4000K	70CRI	T2M Type II medium	T5W Type V wide	XVOLT (277V - 480V) ^{7,8}	RPA Round pole mounting (#8 drilling)
	P3 P8	50K 5000K	70CRI	T3M Type III medium	BLC3 Type III backlight control ³	120 ^{16,26}	SPA5 Square pole mounting #5 drilling ⁹
	P4 P9	(this section 80CRI only, extended lead times apply)		T3LG Type III low glare ³	BLC4 Type IV backlight control ³	208 ^{16,26}	RPA5 Round pole mounting #5 drilling ⁹
	P5			T4M Type IV medium	LCCO Left corner cutoff ³	240 ^{16,26}	SPA8N Square narrow pole mounting #8 drilling
	Rotated optics	27K 2700K	80CRI	T4LG Type IV low glare ³	RCCO Right corner cutoff ³	277 ^{16,26}	WBA Wall bracket ¹⁰
	P10 ¹ P12 ¹	30K 3000K	80CRI	TFTM Forward throw medium		347 ^{16,26}	MA Mast arm adapter (mounts on 2 3/8" OD horizontal tenon)
	P11 ¹ P13 ¹	35K 3500K	80CRI			480 ^{16,26}	
		40K 4000K	80CRI				
		50K 5000K	80CRI				

Control options	Other options	Finish (required)
Shipped installed	Shipped installed	DDBXD Dark Bronze
NLTAIR2 PIRHN nLight AIR gen 2 enabled with bi-level motion / ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc. ^{11,12,20,21}	SPD20KV 20KV surge protection	DBLXD Black
PIR High/low, motion/ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc. ^{13,20,21}	HS Houseside shield (black finish standard) ²²	DNAXD Natural Aluminum
PER NEMA twist-lock receptacle only (controls ordered separately) ¹⁴	L90 Left rotated optics ¹	DWHXD White
PER5 Five-pin receptacle only (controls ordered separately) ^{14,21}	R90 Right rotated optics ¹	DDBTXD Textured dark bronze
PER7 Seven-pin receptacle only (controls ordered separate) ^{14,21}	CCE Coastal Construction ²³	DBLBXD Textured black
FAO Field adjustable output ^{15,21}	HA 50°C ambient operation ²⁴	DNATXD Textured natural aluminum
BL30 Bi-level switched dimming, 30% ^{16,21}	BAA Buy America(n) Act Compliant	DWHGXD Textured white
BL50 Bi-level switched dimming, 50% ^{16,21}	SF Single fuse (120, 277, 347V) ²⁶	
DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately) ¹⁷	DF Double fuse (208, 240, 480V) ²⁶	
DS Dual switching ^{18,19,21}	Shipped separately	
	EGSR External Glare Shield (reversible, field install required, matches housing finish)	
	BSDB Bird Spikes (field install required)	



Ordering Information

Accessories

Ordered and shipped separately.

DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) ²⁵
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) ²⁵
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) ²⁵
DSHORT SBK	Shorting cap ²⁵
DSX1HS P#	House-side shield (enter package number 1-13 in place of #)
DSXRPA (FINISH)	Round pole adapter (#8 drilling, specify finish)
DSXSPA5 (FINISH)	Square pole adapter #5 drilling (specify finish)
DSXRPA5 (FINISH)	Round pole adapter #5 drilling (specify finish)
DSX1EGSR (FINISH)	External glare shield (specify finish)
DSX1BSDB (FINISH)	Bird spike deterrent bracket (specify finish)

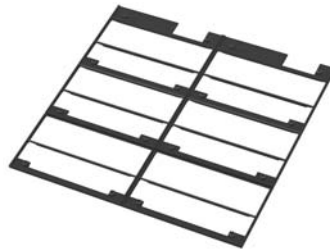
NOTES

- Rotated optics available with packages P10, P11, P12 and P13. Must be combined with option L90 or R90.
- 30K, 40K, and 50K available in 70CRI and 80CRI. 27K and 35K only available with 80CRI. Contact Technical Support for other possible combinations.
- T3LG, T4LG, BLC3, BLC4, LCCO, RCCO not available with option HS.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- HVOLT driver operates on any line voltage from 347-480V (50/60 Hz).
- HVOLT not available with package P1 and P10 when combined with option NLTAIR2 PIRHN or option PIR.
- XVOLT operates with any voltage between 277V and 480V (50/60 Hz).
- XVOLT not available in packages P1 or P10. XVOLT not available with fusing (SF or DF).
- SPA5 and RPA5 for use with #5 drilling only (Not for use with #8 drilling).
- WBA cannot be combined with Type 5 distributions plus photocell (PER).
- NLTAIR2 and PIRHN must be ordered together. For more information on nLight AIR2 visit this [link](#).
- NLTAIR2 PIRHN not available with other controls including PIR, PER, PER5, PER7, FAO, BL30, BL50, DMG and DS. NLTAIR2 PIRHN not available with P1 and P10 using HVOLT. NLTAIR2 PIRHN not available with P1 and P10 using XVOLT.
- PIR not available with NLTAIR2 PIRHN, PER, PER5, PER7, FAO BL30, BL50, DMG and DS. PIR not available with P1 and P10 using HVOLT. PIR not available with P1 and P10 using XVOLT.
- PER/PER5/PER7 not available with NLTAIR2 PIRHN, PIR, BL30, BL50, FAO, DMG and DS. Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting Cap included.
- FAO not available with other dimming control options NLTAIR2 PIRHN, PIR, PER5, PER7, BL30, BL50, DMG and DS.
- BL30 and BL50 are not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, FAO, DMG and DS. BL30 or BL50 must specify 120, 277 or 347V. Consult tech support for 208, 240 or 480V.
- DMG not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, BL30, BL50, FAO and DS.
- DS not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, BL30, BL50, FAO and DMG.
- DS requires (2) separately switched circuits. DS provides 50/50 fixture operation via (2) different sets of leads using (2) drivers. DS only available with packages P8, P9, P10, P11, P12 and P13.
- Reference Motion Sensor Default Settings table on page 4 to see functionality.
- Reference Controls Options table on page 4.
- HS not available with T3LG, T4LG, BLC3, BLC4, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
- CCE option not available with option BS and EGSR. Contact Technical Support for availability.
- Option HA not available with performance packages P4, P5, P7, P8, P9 and P13.
- Requires luminaire to be specified with PER, PER5 or PER7 option. See Controls Table on page 4.
- Single fuse (SF) requires 120V, 277V, or 347V. Double fuse (DF) requires 208V, 240V or 480V. XVOLT not available with fusing (SF or DF).

Shield Accessories



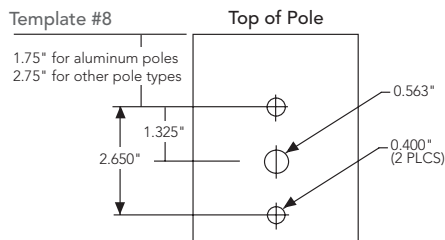
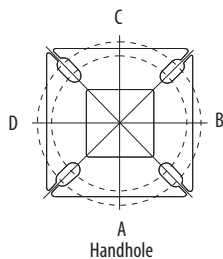
External Glare Shield (EGSR)



House Side Shield (HS)

Drilling

HANDHOLE ORIENTATION



Tenon Mounting Slipfitter

Tenon O.D.	Mounting	Single Unit	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
2-3/8"	RPA	AS3-5 190	AS3-5 280	AS3-5 290	AS3-5 390	AS3-5 320	AS3-5 490
2-7/8"	RPA	AST25-190	AST25-280	AST25-290	AST25-390	AST25-320	AST25-490
4"	RPA	AST35-190	AST35-280	AST35-290	AST35-390	AST35-320	AST35-490

Mounting Option	Drilling Template	Single	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
Head Location		Side B	Side B & D	Side B & C	Side B, C & D	Round Pole Only	Side A, B, C & D
Drill Nomenclature	#8	DM19AS	DM28AS	DM29AS	DM39AS	DM32AS	DM49AS
Minimum Acceptable Outside Pole Dimension							
SPA	#8	3.5"	3.5"	3.5"	3.5"		3.5"
RPA	#8	3"	3"	3"	3"	3"	3"
SPA5	#5	3"	3"	3"	3"		3"
RPA5	#5	3"	3"	3"	3"	3"	3"
SPA8N	#8	3"	3"	3"	3"		3"

DSX1 Area Luminaire - EPA

*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.

Fixture Quantity & Mounting Configuration	Single DM19	2 @ 180 DM28	2 @ 90 DM29	3 @ 90 DM39	3 @ 120 DM32	4 @ 90 DM49
Mounting Type						
DSX1 with SPA	0.69	1.38	1.23	1.54	---	1.58
DSX1 with SPA5, SPA8N	0.70	1.40	1.30	1.66	---	1.68
DSX1 with RPA, RPA5	0.70	1.40	1.30	1.66	1.60	1.68
DSX1 with MA	0.83	1.66	1.50	2.09	2.09	2.09

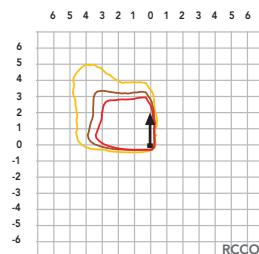
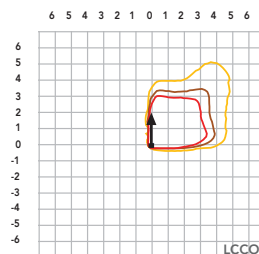
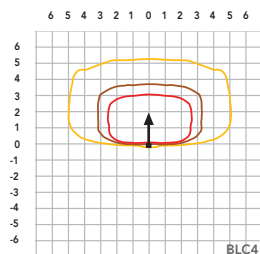
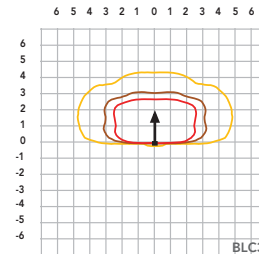
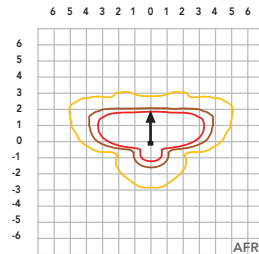
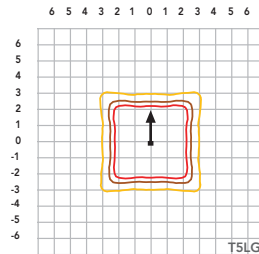
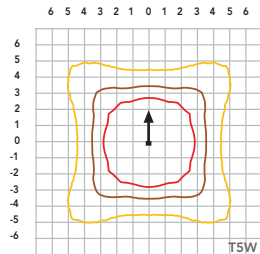
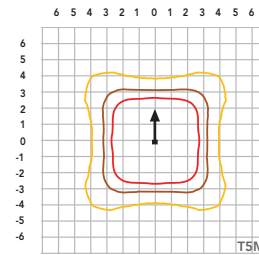
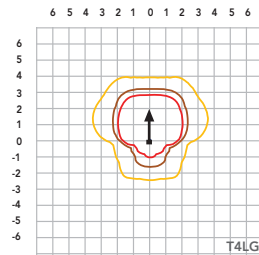
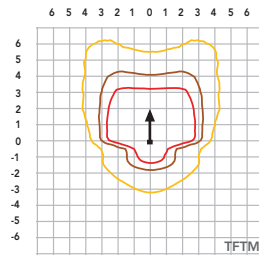
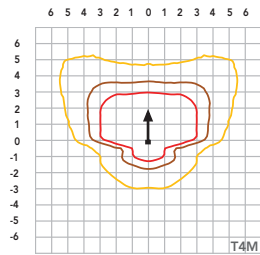
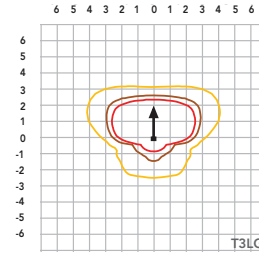
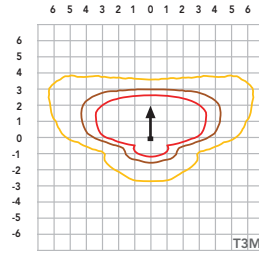
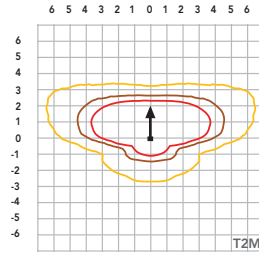
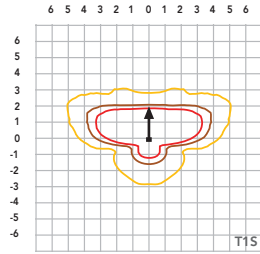
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [homepage](#).

Isofootcandle plots for the DSX1 LED P9 40K 70CRI. Distances are in units of mounting height (25').

LEGEND

- 0.1 fc
- 0.5 fc
- 1.0 fc



Performance Data

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.04
5°C	41°F	1.04
10°C	50°F	1.03
15°C	59°F	1.02
20°C	68°F	1.01
25°C	77°C	1.00
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	Lumen Maintenance Factor
0	1.00
25,000	0.95
50,000	0.90
100,000	0.81

FAO Dimming Settings

FAO Position	% Wattage	% Lumen Output
8	100%	100%
7	93%	95%
6	80%	85%
5	66%	73%
4	54%	61%
3	41%	49%
2	29%	36%
1	15%	20%

*Note: Calculated values are based on original performance package data. When calculating new values for given FAO position, use maximum published values by package listed on specification sheet (input watts and lumens by optic type).

Electrical Load

	Performance Package	LED Count	Drive Current (mA)	Wattage	Current (A)					
					120V	208V	240V	277V	347V	480V
Forward Optics (Non-Rotated)	P1	30	530	51	0.42	0.24	0.21	0.18	0.15	0.11
	P2	30	700	68	0.56	0.33	0.28	0.24	0.20	0.14
	P3	30	1050	104	0.85	0.49	0.43	0.37	0.29	0.21
	P4	30	1250	125	1.03	0.60	0.52	0.45	0.36	0.26
	P5	30	1400	142	1.15	0.66	0.58	0.50	0.40	0.29
	P6	40	1250	167	1.38	0.79	0.69	0.60	0.48	0.34
	P7	40	1400	188	1.54	0.89	0.77	0.67	0.53	0.38
	P8	60	1100	216	1.80	1.04	0.90	0.78	0.62	0.45
	P9	60	1400	279	2.31	1.33	1.15	1.00	0.80	0.58
Rotated Optics (Requires L90 or R90)	P10	60	530	101	0.84	0.49	0.42	0.37	0.29	0.21
	P11	60	700	135	1.12	0.65	0.56	0.49	0.39	0.28
	P12	60	1050	206	1.72	0.99	0.86	0.74	0.59	0.43
	P13	60	1400	279	2.30	1.33	1.15	1.00	0.79	0.57

LED Color Temperature / Color Rendering Multipliers

	70 CRI		80CRI		90CRI	
	Lumen Multiplier	Availability	Lumen Multiplier	Availability	Lumen Multiplier	Availability
5000K	102%	Standard	92%	Extended lead-time	71%	(see note)
4000K	100%	Standard	92%	Extended lead-time	67%	(see note)
3500K	100%	(see note)	90%	Extended lead-time	63%	(see note)
3000K	96%	Standard	87%	Extended lead-time	61%	(see note)
2700K	94%	(see note)	85%	Extended lead-time	57%	(see note)

Note: Some LED types are available as per special request. Contact Technical Support for more information.

Motion Sensor Default Settings

Option	Unoccupied Dimmed Level	High Level (when occupied)	Photocell Operation	Dwell Time	Ramp-up Time	Dimming Fade Rate
PIR	30%	100%	Enabled @ 2FC	7.5 min	3 sec	5 min
NLTAIR2 PIRHN	30%	100%	Enabled @ 2FC	7.5 min	3 sec	5 min

Controls Options

Nomenclature	Description	Functionality	Primary control device	Notes
FAO	Field adjustable output device installed inside the luminaire; wired to the driver dimming leads.	Allows the luminaire to be manually dimmed, effectively trimming the light output.	FAO device	Cannot be used with other controls options that need the 0-10V leads
DS (not available on DSX0)	Drivers wired independently for 50/50 luminaire operation	The luminaire is wired to two separate circuits, allowing for 50/50 operation.	Independently wired drivers	Requires two separately switched circuits. Consider nLight AIR as a more cost effective alternative.
PERS or PER7	Twist-lock photocell receptacle	Compatible with standard twist-lock photocells for dusk to dawn operation, or advanced control nodes that provide 0-10V dimming signals.	Twist-lock photocells such as DLL Elite or advanced control nodes such as ROAM.	Pins 4 & 5 to dimming leads on driver, Pins 6 & 7 are capped inside luminaire. Cannot be used with other controls options that need the 0-10V leads.
PIR	Motion sensor with integral photocell. Sensor suitable for 8' to 40' mounting height.	Luminaires dim when no occupancy is detected.	Acuity Controls rSBG	Cannot be used with other controls options that need the 0-10V leads.
NLTAIR2 PIRHN	nLight AIR enabled luminaire for motion sensing, photocell and wireless communication.	Motion and ambient light sensing with group response. Scheduled dimming with motion sensor over-ride when wirelessly connected to the nLight Elypse.	nLight Air rSBG	nLight AIR sensors can be programmed and commissioned from the ground using the CIAIRity Pro app. Cannot be used with other controls options that need the 0-10V leads.
BL30 or BL50	Integrated bi-level device that allows a second control circuit to switch all light engines to either 30% or 50% light output	BLC device provides input to 0-10V dimming leads on all drivers providing either 100% or dimmed (30% or 50%) control by a secondary circuit	BLC UVOLT1	BLC device is powered off the 0-10V dimming leads, thus can be used with any input voltage from 120 to 480V

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of configurations shown within the tolerances described within LM-79. Contact factory for performance data on any configurations not shown here.

Forward Optics																							
Performance Package	System Watts	LED Count	Drive Current (mA)	Distribution Type	30K					40K					50K								
					(3000K, 70 CRI)					(4000K, 70 CRI)					(5000K, 70 CRI)								
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW				
P1	51W	30	530	T1S	7,776	1	0	2	153	8,104	1	0	2	159	8,262	1	0	2	162				
				T2M	7,203	1	0	3	142	7,507	2	0	3	147	7,653	2	0	3	150				
				T3M	7,287	1	0	3	143	7,594	1	0	3	149	7,742	1	0	3	152				
				T3LG	6,509	1	0	1	128	6,783	1	0	1	133	6,916	1	0	1	136				
				T4M	7,395	1	0	3	145	7,707	1	0	3	151	7,857	1	0	3	154				
				T4LG	6,726	1	0	1	132	7,010	1	0	1	138	7,146	1	0	1	140				
				TFTM	7,446	1	0	3	146	7,760	1	0	3	152	7,912	1	0	3	155				
				T5M	7,609	3	0	2	149	7,930	3	0	2	156	8,084	3	0	2	159				
				T5W	7,732	3	0	2	152	8,058	4	0	2	158	8,215	4	0	2	161				
				T5LG	7,631	3	0	1	150	7,953	3	0	1	156	8,108	3	0	1	159				
				BLC3	5,300	0	0	2	104	5,524	0	0	2	109	5,631	0	0	2	111				
				BLC4	5,474	0	0	3	108	5,705	0	0	3	112	5,816	0	0	3	114				
				RCCO	5,348	0	0	2	105	5,573	0	0	2	109	5,682	0	0	2	112				
				LCCO	5,348	0	0	2	105	5,573	0	0	2	109	5,682	0	0	2	112				
				AFR	7,776	1	0	2	153	8,104	1	0	2	159	8,262	1	0	2	162				
				P2	68W	30	700	T1S	9,997	1	0	2	147	10,418	1	0	2	154	10,621	1	0	2	157
								T2M	9,260	2	0	3	137	9,651	2	0	3	142	9,839	2	0	3	145
								T3M	9,368	2	0	3	138	9,763	2	0	3	144	9,953	2	0	3	147
T3LG	8,368	1	0					2	123	8,721	1	0	2	129	8,891	1	0	2	131				
T4M	9,507	2	0					3	140	9,909	2	0	3	146	10,102	2	0	3	149				
T4LG	8,647	1	0					2	128	9,012	1	0	2	133	9,187	1	0	2	136				
TFTM	9,573	2	0					3	141	9,977	2	0	3	147	10,172	2	0	3	150				
T5M	9,782	4	0					2	144	10,195	4	0	2	150	10,393	4	0	2	153				
T5W	9,940	4	0					2	147	10,360	4	0	2	153	10,562	4	0	2	156				
T5LG	9,810	3	0					1	145	10,224	3	0	1	151	10,423	3	0	1	154				
BLC3	6,814	0	0					2	101	7,101	0	0	2	105	7,240	0	0	2	107				
BLC4	7,038	0	0					3	104	7,334	0	0	3	108	7,477	0	0	3	110				
RCCO	6,875	1	0					2	101	7,165	1	0	2	106	7,305	1	0	2	108				
LCCO	6,875	1	0					2	101	7,165	1	0	2	106	7,305	1	0	2	108				
AFR	9,997	1	0					2	147	10,418	1	0	2	154	10,621	1	0	2	157				
P3	102W	30	1050					T1S	14,093	2	0	2	138	14,687	2	0	2	144	14,973	2	0	2	147
								T2M	13,055	2	0	3	128	13,605	2	0	3	133	13,871	2	0	3	136
								T3M	13,206	2	0	4	129	13,763	2	0	4	135	14,031	2	0	4	137
				T3LG	11,797	2	0	2	115	12,294	2	0	2	120	12,534	2	0	2	123				
				T4M	13,403	2	0	4	131	13,968	2	0	4	137	14,241	2	0	4	139				
				T4LG	12,190	2	0	2	119	12,704	2	0	2	124	12,952	2	0	2	127				
				TFTM	13,496	2	0	4	132	14,065	2	0	4	138	14,339	2	0	4	140				
				T5M	13,790	4	0	2	135	14,371	4	0	2	141	14,652	4	0	2	143				
				T5W	14,013	4	0	3	137	14,605	4	0	3	143	14,889	4	0	3	146				
				T5LG	13,830	3	0	2	135	14,413	3	0	2	141	14,694	3	0	2	144				
				BLC3	9,606	0	0	2	94	10,011	0	0	2	98	10,206	0	0	2	100				
				BLC4	9,921	0	0	3	97	10,340	0	0	3	101	10,541	0	0	3	103				
				RCCO	9,692	1	0	2	95	10,101	1	0	2	99	10,298	1	0	2	101				
				LCCO	9,692	1	0	2	95	10,101	1	0	2	99	10,298	1	0	2	101				
				AFR	14,093	2	0	2	138	14,687	2	0	2	144	14,973	2	0	2	147				

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of configurations shown within the tolerances described within LM-79. Contact factory for performance data on any configurations not shown here.

Forward Optics																							
Performance Package	System Watts	LED Count	Drive Current (mA)	Distribution Type	30K					40K					50K								
					(3000K, 70 CRI)					(4000K, 70 CRI)					(5000K, 70 CRI)								
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW				
P4	124W	30	1250	T1S	16,416	2	0	3	132	17,109	2	0	3	138	17,442	2	0	3	141				
				T2M	15,207	3	0	4	123	15,849	3	0	4	128	16,158	3	0	4	130				
				T3M	15,383	2	0	4	124	16,032	2	0	4	129	16,345	2	0	4	132				
				T3LG	13,742	2	0	2	111	14,321	2	0	2	116	14,600	2	0	2	118				
				T4M	15,613	2	0	4	126	16,272	2	0	4	131	16,589	2	0	4	134				
				T4LG	14,200	2	0	2	115	14,799	2	0	2	119	15,087	2	0	2	122				
				TFTM	15,721	2	0	4	127	16,384	2	0	4	132	16,703	2	0	4	135				
				T5M	16,063	4	0	2	130	16,741	4	0	2	135	17,067	4	0	2	138				
				T5W	16,324	5	0	3	132	17,013	5	0	3	137	17,344	5	0	3	140				
				T5LG	16,110	3	0	2	130	16,790	4	0	2	135	17,117	4	0	2	138				
				BLC3	11,190	0	0	3	90	11,662	0	0	3	94	11,889	0	0	3	96				
				BLC4	11,557	0	0	3	93	12,044	0	0	3	97	12,279	0	0	3	99				
				RCCO	11,291	1	0	3	91	11,767	1	0	3	95	11,996	1	0	3	97				
				LCCO	11,291	1	0	3	91	11,767	1	0	3	95	11,996	1	0	3	97				
				AFR	16,416	2	0	3	132	17,109	2	0	3	138	17,442	2	0	3	141				
				P5	138W	30	1400	T1S	18,052	2	0	3	131	18,814	2	0	3	136	19,180	2	0	3	139
								T2M	16,723	3	0	4	121	17,428	3	0	4	126	17,768	3	0	4	129
								T3M	16,917	3	0	4	122	17,630	3	0	4	128	17,974	3	0	4	130
T3LG	15,111	2	0					2	109	15,749	2	0	2	114	16,055	2	0	2	116				
T4M	17,169	3	0					5	124	17,893	3	0	5	130	18,242	3	0	5	132				
T4LG	15,615	2	0					2	113	16,274	2	0	2	118	16,591	2	0	2	120				
TFTM	17,288	2	0					4	125	18,017	2	0	5	130	18,368	3	0	5	133				
T5M	17,664	5	0					3	128	18,410	5	0	3	133	18,768	5	0	3	136				
T5W	17,951	5	0					3	130	18,708	5	0	3	135	19,073	5	0	3	138				
T5LG	17,716	4	0					2	128	18,463	4	0	2	134	18,823	4	0	2	136				
BLC3	12,305	0	0					3	89	12,824	0	0	3	93	13,074	0	0	3	95				
BLC4	12,709	0	0					4	92	13,245	0	0	4	96	13,503	0	0	4	98				
RCCO	12,416	1	0					3	90	12,940	1	0	3	94	13,192	1	0	3	95				
LCCO	12,416	1	0					3	90	12,940	1	0	3	94	13,192	1	0	3	95				
AFR	18,052	2	0					3	131	18,814	2	0	3	136	19,180	2	0	3	139				
P6	165W	40	1250					T1S	21,031	2	0	3	127	21,918	2	0	3	133	22,345	2	0	3	135
								T2M	19,482	3	0	4	118	20,303	3	0	4	123	20,699	3	0	4	125
								T3M	19,708	3	0	5	119	20,539	3	0	5	124	20,939	3	0	5	127
				T3LG	17,604	2	0	2	107	18,347	2	0	2	111	18,704	2	0	2	113				
				T4M	20,001	3	0	5	121	20,845	3	0	5	126	21,251	3	0	5	129				
				T4LG	18,191	2	0	2	110	18,959	2	0	2	115	19,328	2	0	2	117				
				TFTM	20,140	3	0	5	122	20,989	3	0	5	127	21,398	3	0	5	129				
				T5M	20,579	5	0	3	125	21,447	5	0	3	130	21,865	5	0	3	132				
				T5W	20,912	5	0	3	127	21,795	5	0	3	132	22,219	5	0	3	134				
				T5LG	20,638	4	0	2	125	21,509	4	0	2	130	21,928	4	0	2	133				
				BLC3	14,335	0	0	3	87	14,940	0	0	3	90	15,231	0	0	3	92				
				BLC4	14,805	0	0	4	90	15,430	0	0	4	93	15,731	0	0	4	95				
				RCCO	14,464	1	0	3	88	15,074	1	0	3	91	15,368	1	0	3	93				
				LCCO	14,464	1	0	3	88	15,074	1	0	3	91	15,368	1	0	3	93				
				AFR	21,031	2	0	3	127	21,918	2	0	3	133	22,345	2	0	3	135				



Performance Data

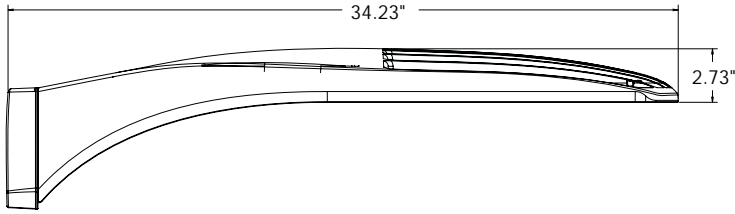
Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of configurations shown within the tolerances described within LM-79. Contact factory for performance data on any configurations not shown here.

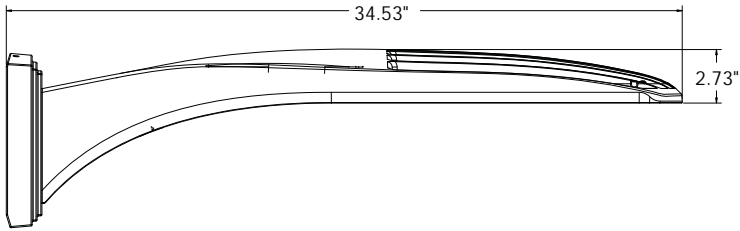
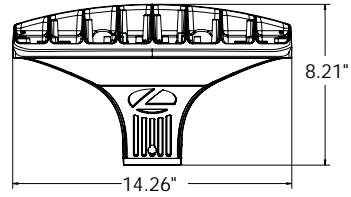
Forward Optics

Performance Package	System Watts	LED Count	Drive Current (mA)	Distribution Type	30K					40K					50K				
					(3000K, 70 CRI)					(4000K, 70 CRI)					(5000K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P7	184W	40	1400	T1S	22,741	2	0	3	123	23,700	2	0	3	129	24,162	3	0	3	131
				T2M	21,066	3	0	4	114	21,955	3	0	4	119	22,383	3	0	4	121
				T3M	21,311	3	0	5	116	22,210	3	0	5	120	22,642	3	0	5	123
				T3LG	19,036	2	0	2	103	19,839	2	0	3	108	20,226	2	0	3	110
				T4M	21,628	3	0	5	117	22,541	3	0	5	122	22,980	3	0	5	125
				T4LG	19,671	2	0	2	107	20,501	2	0	3	111	20,900	2	0	3	113
				TFTM	21,778	3	0	5	118	22,697	3	0	5	123	23,139	3	0	5	125
				T5M	22,252	5	0	3	121	23,191	5	0	3	126	23,643	5	0	3	128
				T5W	22,613	5	0	3	123	23,567	5	0	4	128	24,027	5	0	4	130
				T5LG	22,317	4	0	2	121	23,258	4	0	2	126	23,712	4	0	2	129
				BLC3	15,501	0	0	3	84	16,155	0	0	4	88	16,470	0	0	4	89
				BLC4	16,010	0	0	4	87	16,685	0	0	4	90	17,010	0	0	4	92
				RCCO	15,641	1	0	3	85	16,301	1	0	3	89	16,619	1	0	3	90
				LCCO	15,641	1	0	3	85	16,301	1	0	3	89	16,619	1	0	3	90
				AFR	22,741	2	0	3	123	23,700	2	0	3	129	24,162	3	0	3	131
P8	216W	60	1100	T1S	28,701	3	0	3	133	29,912	3	0	4	139	30,495	3	0	4	141
				T2M	26,587	3	0	5	123	27,709	3	0	5	128	28,249	3	0	5	131
				T3M	26,895	3	0	5	125	28,030	3	0	5	130	28,576	3	0	5	132
				T3LG	24,025	3	0	3	111	25,038	3	0	3	116	25,526	3	0	3	118
				T4M	27,296	3	0	5	127	28,448	3	0	5	132	29,002	3	0	5	134
				T4LG	24,826	3	0	3	115	25,873	3	0	3	120	26,378	3	0	3	122
				TFTM	27,485	3	0	5	127	28,645	3	0	5	133	29,203	3	0	5	135
				T5M	28,084	5	0	4	130	29,269	5	0	4	136	29,839	5	0	4	138
				T5W	28,539	5	0	4	132	29,743	5	0	4	138	30,323	5	0	4	141
				T5LG	28,165	4	0	2	131	29,354	4	0	2	136	29,926	4	0	2	139
				BLC3	19,563	0	0	4	91	20,388	0	0	4	94	20,786	0	0	4	96
				BLC4	20,205	0	0	5	94	21,057	0	0	5	98	21,468	0	0	5	99
				RCCO	19,740	1	0	4	91	20,572	1	0	4	95	20,973	1	0	4	97
				LCCO	19,740	1	0	4	91	20,572	1	0	4	95	20,973	1	0	4	97
				AFR	28,701	3	0	3	133	29,912	3	0	4	139	30,495	3	0	4	141
P9	277W	60	1400	T1S	34,819	3	0	4	126	36,288	3	0	4	131	36,996	3	0	4	134
				T2M	32,255	3	0	5	116	33,616	3	0	5	121	34,271	3	0	5	124
				T3M	32,629	3	0	5	118	34,006	3	0	5	123	34,668	3	0	5	125
				T3LG	29,146	3	0	3	105	30,376	3	0	4	110	30,968	3	0	4	112
				T4M	33,116	3	0	5	120	34,513	3	0	5	125	35,185	3	0	5	127
				T4LG	30,119	3	0	3	109	31,389	3	0	4	113	32,001	3	0	4	116
				TFTM	33,345	3	0	5	120	34,751	3	0	5	125	35,429	3	0	5	128
				T5M	34,071	5	0	4	123	35,509	5	0	4	128	36,201	5	0	4	131
				T5W	34,624	5	0	4	125	36,084	5	0	4	130	36,788	5	0	4	133
				T5LG	34,170	5	0	3	123	35,612	5	0	3	129	36,306	5	0	3	131
				BLC3	23,734	0	0	4	86	24,735	0	0	4	89	25,217	0	0	4	91
				BLC4	24,513	0	0	5	88	25,547	0	0	5	92	26,045	0	0	5	94
				RCCO	23,948	1	0	4	86	24,958	1	0	4	90	25,445	1	0	4	92
				LCCO	23,948	1	0	4	86	24,958	1	0	4	90	25,445	1	0	4	92
				AFR	34,819	3	0	4	126	36,288	3	0	4	131	36,996	3	0	4	134

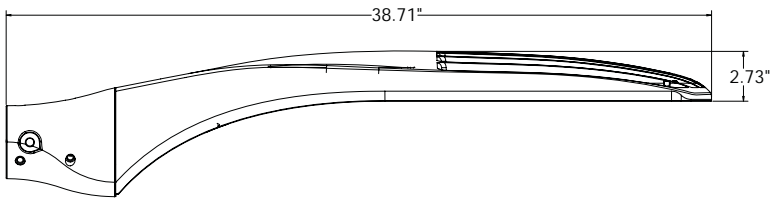
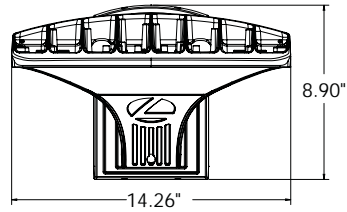
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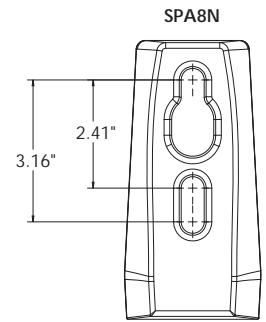
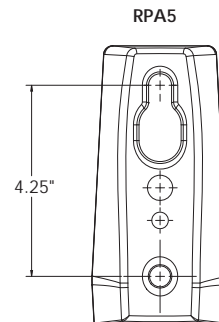
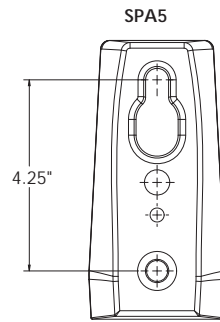
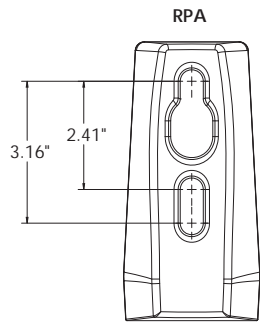
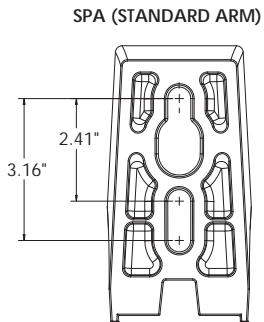
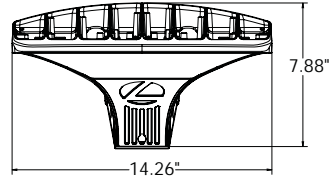
DSX1 with RPA, RPA5, SPA5, SPA8N mount
Weight: 36 lbs



DSX1 with WBA mount
Weight: 38 lbs

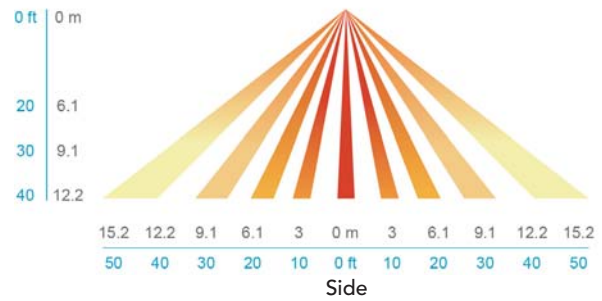
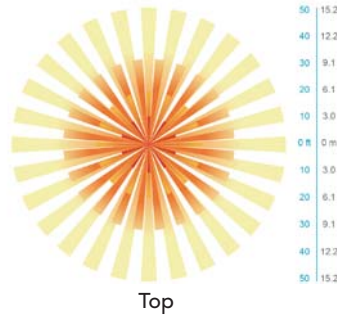


DSX1 with MA mount
Weight: 39 lbs



nLight Sensor Coverage Pattern

NLTAIR2 PIRHN



FEATURES & SPECIFICATIONS

INTENDED USE

The sleek design of the D-Series Size 1 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and streetscapes.

CONSTRUCTION

Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED drivers are mounted in direct contact with the casting to promote low operating temperature and long life. Housing driver compartment is completely sealed against moisture and environmental contaminants (IP66). Vibration rated per ANSI C136.31 for 3G for SPA and MA. 1.5G for mountings RPA, RPA5, SPA5 and SPA8N. Low EPA (0.69 ft²) for optimized pole wind loading.

FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in both textured and non-textured finishes.

Coastal Construction (CCE)

Optional corrosion resistant construction is engineered with added corrosion protection in materials and/or pre-treatment of base material under super durable paint. Provides additional corrosion protection for applications near coastal areas. Finish is salt spray tested to over 5,000 hours per ASTM B117 with scribe rating of 10. Additional lead-times may apply.

OPTICS

Precision-molded proprietary silicone lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in standard 3000 K, 4000 K and 5000 K (70 CRI) configurations. 80CRI configurations are also available. The D-Series Size 1 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL

Light engine configurations consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L81/100,000 hours at 25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Easily serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

STANDARD CONTROLS

The DSX1 LED area luminaire has a number of control options. DSX Size 1, comes standard with 0-10V dimming drivers. Dusk to dawn controls can be utilized via optional NEMA twist-lock photocell receptacles. Integrated motion sensor with on-board photocells feature field-adjustable programming and are suitable for mounting heights up to 40 feet. Control option BL features a bi-level device that allows a second control circuit to switch all light engines to either 30% or 50% light output.

nLIGHT AIR CONTROLS

The DSX1 LED area luminaire is also available with nLight® AIR for the ultimate in wireless control. This powerful controls platform provides out-of-the-box basic motion sensing and photocontrol functionality and is suitable for mounting heights up to 40 feet. Once commissioned using a smartphone and the easy-to-use CLAIRITY app, nLight AIR equipped luminaires can be grouped, resulting in motion sensor and photocell group response without the need for additional equipment. Scheduled dimming with motion sensor over-ride can be achieved when used with the nLight Eclipse. Additional information about nLight Air can be found here.

INSTALLATION

Integral mounting arm allows for fast mounting using Lithonia standard #8 drilling and accommodates pole drilling's from 2.41 to 3.12" on center. The standard "SPA" option for square poles and the "RPA" option for round poles use the #8 drilling. For #5 pole drillings, use SPA5 or RPA5. Additional mountings are available including a wall bracket (WBA) and mast arm (MA) option that allows luminaire attachment to a 2 3/8" horizontal mast arm.

LISTINGS

UL listed to meet U.S. and Canadian standards. UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP66 rated. Rated for -40°C minimum ambient.

DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only.

BUY AMERICAN ACT

Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations. Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.



Radean Post Top LED Area Luminaire



Catalog Number RADPT LED-P3-40K-SYM-MVOLT-PT4-PE

Notes

Type S5

Hit the Tab key or mouse over the page to see all interactive elements.

Specifications

EPA: 1.02 ft²
(0.105 m²)

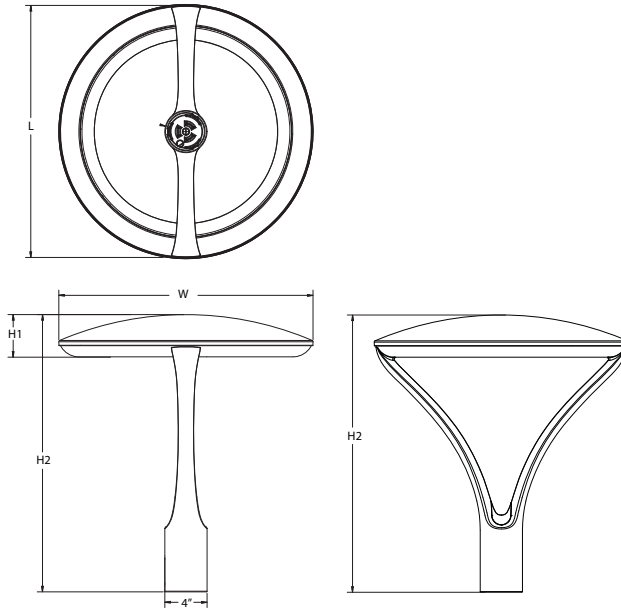
Length: 24"
(61cm)

Width: 24"
(61cm)

H1 Luminaire Height: 4"
(10.16cm)

H2 Luminaire Height: 26"
(66.04cm)

Weight: 38lbs
(17.24Kg)



Introduction

The architecturally-inspired shape of the RADEAN™ post top area luminaire embodies the grace and strength of the RADEAN family. The twin copper-core cast aluminum arms support the slender superstructure, creating a beautiful sculpture by day transforming into a beacon of comfort by night. Triangular arms redirect reflection maintaining its visually quiet appearance. With sleek lines and simple silhouettes, these LED luminaires use specialized lighting and visual comfort to transform common areas like courtyards, outdoor retail locations, universities and corporate campuses into pedestrian-friendly nighttime environments.

Ordering Information

EXAMPLE: RADPT LED P3 30K SYM MVOLT PT4 PE DNAXD

RADPT LED	Performance package	Color temperature	Distribution	Voltage	Mounting (required)
RADPT LED	P1 3,000 Lumens	27K 2700K	SYM Symmetric type V	MVOLT ² 277 ²	PT4 ³ Slips inside a 4"OD round metal pole
	P2 5,000 Lumens	30K 3000K	ASY Asymmetric type IV	120 ² 347	RADPT20 Slips over a 2 3/8" diameter tenon (4" tall tenon required)
	P3 7,000 Lumens	35K 3500K	PATH Pathway Type III	208 ² 480	RADPT25 Slips over a 2 7/8" diameter tenon (4" tall tenon required)
	P4 10,000 Lumens	40K 4000K		240 ²	
	P5 15,000 Lumens	50K 5000K			

Control options	Other options	Shipped installed	Finish (required)
Shipped installed NLTAIR2 nLight AIR 2.0 enabled ⁴ PE Button photocell ⁴ FAO Field adjustable output ⁴ DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately) ⁵	SF Single Fuse ² DF Double Fuse ² R90 Rotated optics ⁶	Shipped installed HS Houseside shield ⁷	DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DDBTXD Textured dark bronze DBLTXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white



COMMERCIAL OUTDOOR

One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • www.lithonia.com
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RADPT LED
Rev. 03/27/24

Ordering Information

Accessories

Ordered and shipped separately.

RADHS	Houseside shield (shield is white)
RADCS DDBXD U	Decorative clamshell base for 4" RSS pole (specify finish)
RADFBC DDBXD U	Full base cover for 4" RSS pole (specify finish)

NOTES

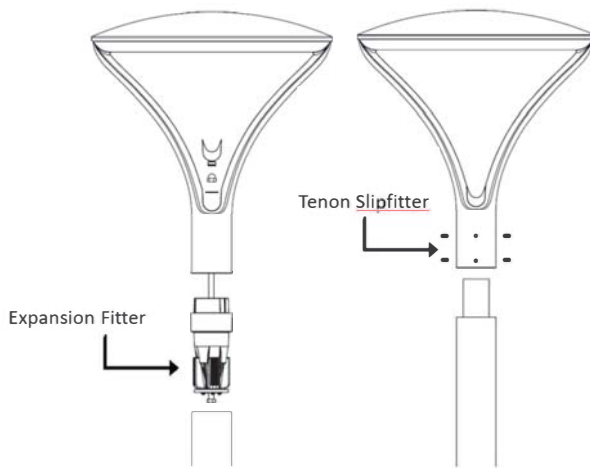
- 2700K and 3500K may require extended lead-times.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Single fuse (SF) requires 120, 277 or 347 voltage option. Double fuse (DF) requires 208, 240 or 480 voltage option.
- Requires nominal 4" round straight metal pole.
- NLTAIR2 not available with PE or FAO. Must link to external nLight Air network. Does not include occupancy sensor. For more information refer to [rSBOR](#) pole mount sensor.
- DMG not available with NLTAIR2 or FAO.
- For left rotation, select R90 and rotate luminaire 180° on pole.
- Also available as a separate accessory; see Accessories information at left. HS not available with R90. Shield is field rotatable shield in 180° increments.

Mounting

PT4

RADPT20 or RADPT25

RADPT20 and RADPT25 mounting require a 4" tall tenon (standard on Lithonia poles).

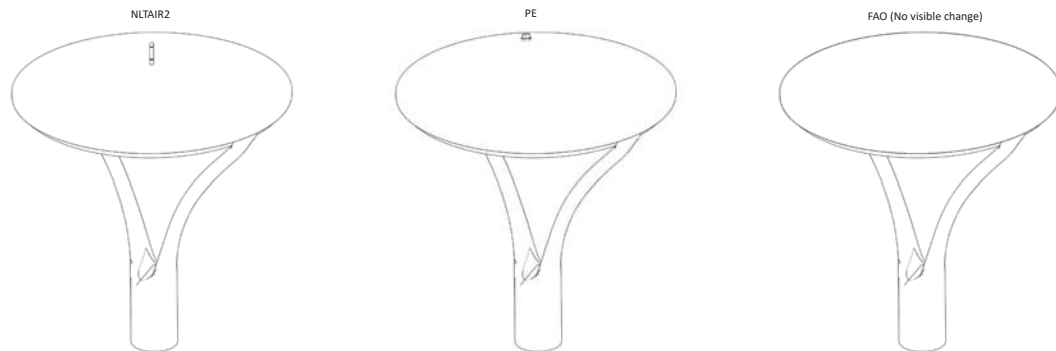


Recommended Poles for use with RADEAN RADPT LED Luminaires.

Acuity Part Number	Description	For luminaires	Used with Mounting
RSS 10 4B PT DDBXD	10' Round Straight Steel - 4" O.D. - Open Top	RADPT LED	PT4
RSS 12 4B PT DDBXD	12' Round Straight Steel - 4" O.D. - Open Top	RADPT LED	PT4
RSS 14 4B PT DDBXD	14' Round Straight Steel - 4" O.D. - Open Top	RADPT LED	PT4
RSS 16 4B PT DDBXD	16' Round Straight Steel - 4" O.D. - Open Top	RADPT LED	PT4
RSS 18 4B PT DDBXD	18' Round Straight Steel - 4" O.D. - Open Top	RADPT LED	PT4
RSS 20 4B PT DDBXD	20' Round Straight Steel - 4" O.D. - Open Top	RADPT LED	PT4
RSS 25 4B PT DDBXD	25' Round Straight Steel - 4" O.D. - Open Top	RADPT LED	PT4
RSS 10 4B T20 DDBXD	10' Round Straight Steel - 4" O.D. - Tenon Top	RADPT LED	RADPT20
RSS 12 4B T20 DDBXD	12' Round Straight Steel - 4" O.D. - Tenon Top	RADPT LED	RADPT20
RSS 14 4B T20 DDBXD	14' Round Straight Steel - 4" O.D. - Tenon Top	RADPT LED	RADPT20
RSS 16 4B T20 DDBXD	16' Round Straight Steel - 4" O.D. - Tenon Top	RADPT LED	RADPT20
RSS 18 4B T20 DDBXD	18' Round Straight Steel - 4" O.D. - Tenon Top	RADPT LED	RADPT20
RSS 20 4B T20 DDBXD	20' Round Straight Steel - 4" O.D. - Tenon Top	RADPT LED	RADPT20
RSS 25 4B T20 DDBXD	25' Round Straight Steel - 4" O.D. - Tenon Top	RADPT LED	RADPT20

* Customer must verify pole loading per required design criteria and specified wind speed. Consult pole specification sheet for additional details.

Control Options



Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown. Contact factory for performance data on any configurations not shown here.

Performance Package	Input Wattage	Distribution	2700K					3000K					3500K					4000K					5000K				
			Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P1	25	ASY	2,924	2	1	2	115	3,022	2	2	2	119	3,095	2	2	2	122	3,168	2	2	2	125	3,168	2	2	2	125
		PATH	2,529	2	1	2	100	2,613	2	2	2	103	2,676	2	2	2	105	2,739	2	2	2	108	2,739	2	2	2	108
		SYM	3,086	2	1	1	121	3,189	2	1	1	126	3,266	2	1	1	129	3,344	2	1	1	132	3,344	2	1	1	132
P2	38	ASY	4,521	3	2	3	119	4,672	3	2	3	123	4,785	3	2	3	126	4,898	3	2	3	129	4,898	3	2	3	129
		PATH	3,909	2	2	2	103	4,040	2	2	2	106	4,137	2	2	2	109	4,235	3	2	3	111	4,235	3	2	3	111
		SYM	4,772	2	2	1	126	4,931	3	2	1	130	5,050	3	2	1	133	5,169	3	2	1	136	5,169	3	2	1	136
P3	54	ASY	6,387	3	2	3	119	6,600	3	2	3	123	6,760	3	2	3	126	6,919	3	2	3	129	6,919	3	2	3	129
		PATH	5,523	3	2	3	103	5,707	3	2	3	106	5,845	3	2	3	109	5,983	3	2	3	112	5,983	3	2	3	112
		SYM	6,741	3	2	2	126	6,966	3	2	2	130	7,135	3	2	2	133	7,303	3	2	2	136	7,303	3	2	2	136
P4	86	ASY	10,150	4	2	4	118	10,489	4	2	4	122	10,742	4	2	4	125	10,996	4	2	4	128	10,996	4	2	4	128
		PATH	8,777	3	2	3	102	9,070	3	2	3	106	9,289	3	2	3	108	9,509	3	2	3	111	9,509	3	2	3	111
		SYM	10,713	3	2	2	125	11,071	3	2	2	129	11,338	3	2	2	132	11,606	3	2	2	135	11,606	3	2	2	135
P5	123	ASY	14,250	4	2	4	116	14,724	4	2	4	120	15,081	4	3	4	123	15,437	4	3	4	126	15,437	4	3	4	126
		PATH	12,322	4	2	4	101	12,733	4	3	4	104	13,041	4	3	4	106	13,349	4	3	4	109	13,349	4	3	4	109
		SYM	15,040	4	2	3	123	15,541	4	2	3	127	15,917	4	2	3	130	16,293	4	2	3	133	16,293	4	2	3	133

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient	LAT Factor	
0°C	32°F	1.06
5°C	41°F	1.05
10°C	50°F	1.04
15°C	59°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.96

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the RADPT LED platform in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

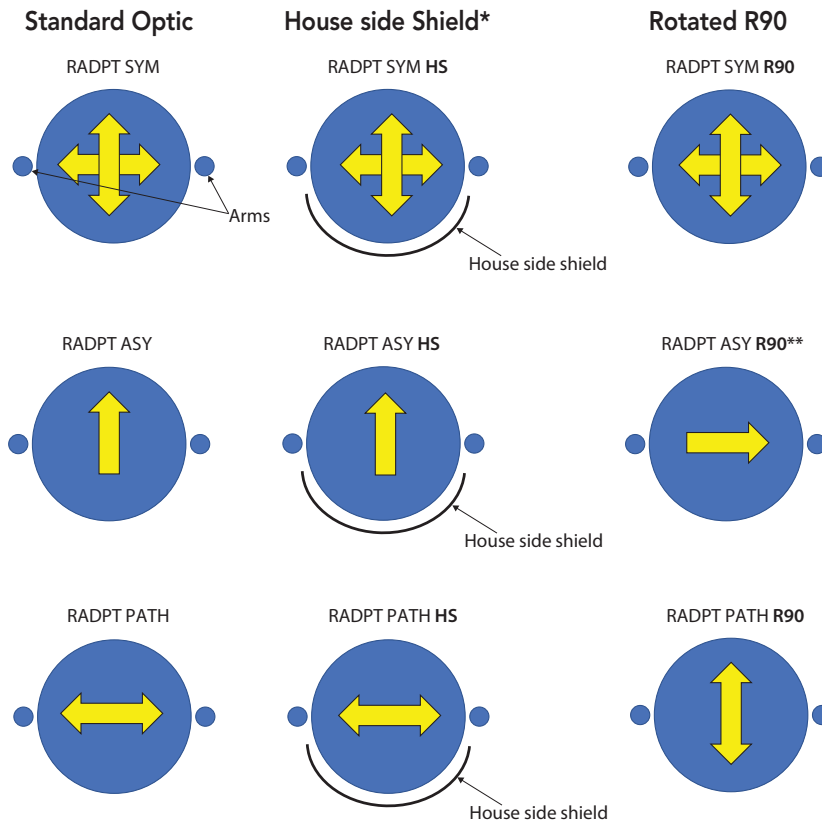
	Projected LED Lumen Maintenance			
	0	25,000	50,000	100,000
P1	1.00	0.96	0.91	0.82
P2	1.00	0.96	0.91	0.82
P3	1.00	0.96	0.91	0.82
P4	1.00	0.96	0.91	0.82
P5	1.00	0.95	0.89	0.78

Electrical Load

Lumen Package	LED Drive Current	Voltage	Wattage		Current (A)					
					120	208	240	277	347	480
P1	500	42.8	21.4	Input Current	0.22	0.13	0.11	0.1	0.08	0.06
				System Watts	26	26	26	27	25	26
P2	770	43	33.1	Input Current	0.33	0.19	0.16	0.14	0.11	0.08
				System Watts	39	39	39	39	38	38
P3	1100	43.2	47.5	Input Current	0.46	0.26	0.23	0.2	0.16	0.12
				System Watts	55	54	54	54	54	54
P4	900	87.3	78.6	Input Current	0.73	0.42	0.36	0.32	0.25	0.18
				System Watts	87	86	86	86	86	86
P5	1250	88.2	110.2	Input Current	1	0.58	0.5	0.44	0.35	0.25
				System Watts	120	119	119	119	120	120



Isofootcandle plots are considered to be representative of available optical distributions.



*HS not available with R90

**For L90, use R90 and rotate luminaire 180° on pole

FEATURES & SPECIFICATIONS

INTENDED USE

Pedestrian areas such as parks, campuses, pathways, courtyards and pedestrians malls.

CONSTRUCTION

Single-piece die-cast aluminum housing with nominal wall thickness of 0.125" on a 6mm thick acrylic waveguide is fully gasketed with a single piece tubular silicone gasket.

FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Standard Super Durable colors include dark bronze, black, natural aluminum and white. Available in textured and non-textured finishes.

OPTICS

6MM thick acrylic waveguide with 360° flexible LED board. Available in 2700K, 3000K, 3500K, 4000K and 5000K (80CRI) CCT configurations.

ELECTRICAL

Light engine consists of 96 high-efficacy LEDs mounted to a flexible circuit board and aluminum heat sink, ensuring optimal thermal management and long life. Fixtures ship standard with 0-10v dimming driver (order option DMG for connection to exterior controls). Class 1 electronic driver has a power factor >90%, THD <20%, and with an expected life of 100,000 hours with <1% failure rate. Serviceable 10kV surge protection device meets a minimum Category C Low for operation (per ANSI/IEEE C62.41.2).

INSTALLATION

Standard post-top PT4 type mounting configuration fits into a 4" OD open pole top (round pole only). Alternate tenon (2-3/8" or 2-7/8") mounting also available and require 4" tall tenons.

LISTINGS

CSA certified to U.S. and Canadian standards. Luminaire is IP65 rated. Rated for -40°C minimum ambient.

DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/OPL to confirm which versions are qualified.

International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color or less. U.S. Patent No. D925,088S

GOVERNMENT PROCUREMENT

BAA – Buy America(n) Act: Product qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product also qualifies as manufactured in the United States under DOT Buy America regulations.

BABA – Build America Buy America: Product qualifies as produced in the United States under the definitions of the Build America, Buy America Act.

Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

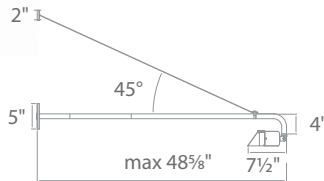
Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

SINGLE ADJUSTABLE FLOOD LIGHT

Endurance™ - WP-LED514

WAC LIGHTING

Responsible Lighting®



Fixture Type:

Catalog Number:

Project:

Location:

PRODUCT DESCRIPTION

Die cast aluminum factory sealed luminaire with patent pending design for a water and dust proof IP66 rated outdoor.

FEATURES

- Rotate to continuously adjust beam angles indexed at 15°, 25°, 40°, 60°
- IP66 and ETL & cETL Wet Location Listed
- Factory-Sealed LED Light Engine
- Die-Cast Aluminum Construction
- 120V Direct Wire - No Driver Needed
- Safety cable and canopy included
- Comes with extension rod kit to extend up to 44" total
- Detachable Shroud
- Safety cable recommended for extensions over 36"
- One 6", one 12", one 24" field interchangeable rods included

SPECIFICATIONS

Construction: Die-cast aluminum

Power: Line Voltage input (120V)

CRI: 85

Dimming: 100% - 10% with Electronic Low Voltage (ELV) dimmer

Finish: Architectural Bronze, Black, Graphite and White

Operating Temp: -40°F to 122°F (-40°C to 50°C)

Standards: IP66, Wet Location, ETL & cETL Listed

Rated Life: 50,000 hours

ORDER NUMBER

	Power	Comparable	Beam	Delivered Lumens	CBCP	Color Temp	Finish
WP-LED514 Single	15W	150W PAR38	15°	600	4145	30 3000K	ABZ Architectural Bronze ABK Architectural Black AGH Architectural Graphite AWT Architectural White
			60°	985	875		
			15°	695	4800	40 4000K	
			60°	1140	1015		

Example: **WP-LED514-40-AGH**

WAC Lighting
www.waclighting.com
Phone (800) 526.2588 • Fax (800) 526.2585

Headquarters/Eastern Distribution Center
44 Harbor Park Drive • Port Washington, NY 11050
Phone (516) 515.5000 • Fax (516) 515.5050

Western Distribution Center
1750 Archibald Avenue • Ontario, CA 91760
Phone (800) 526.2588 • Fax (800) 526.2585



WST LED

Architectural Wall Sconce



Catalog Number **WST-LED-P1-40K-VF-MVOLT**

Notes

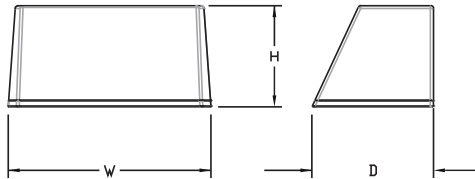
Type **SF1**

Hit the Tab key or mouse over the page to see all interactive elements.

Specifications

Luminaire

- Height:** 8-1/2" (21.59 cm)
- Width:** 17" (43.18 cm)
- Depth:** 10-3/16" (25.9 cm)
- Weight:** 20 lbs (9.1 kg)



Introduction

The WST LED is designed with the specifier in mind. The traditional, trapezoidal shape offers a soft, non-pixelated light source for end-user visual comfort. For emergency egress lighting, the WST LED offers six battery options, including remote. For additional code compliance and energy savings, there is also a Bi-level motion sensor option. With so many standard and optional features, three lumen packages, and high LPW, the WST LED is your "go to" luminaire for most any application.

A+ Capable options indicated by this color background.

Ordering Information

EXAMPLE: WST LED P1 40K VF MVOLT DDBTXD

WST LED	Performance Package	Color temperature	Distribution	Voltage	Mounting
WST LED	P1 1,500 Lumen package P2 3,000 Lumen package P3 6,000 Lumen package	27K 2700 K 30K 3000 K 40K 4000 K 50K 5000 K	VF Visual comfort forward throw VW Visual comfort wide	MVOLT ¹ 277 ² 120 ² 347 ² 208 ² 480 ² 240 ²	Shipped included (blank) Surface mounting bracket PBBW Premium surface-mounted back box ^{3,4} Shipped separately BBW Surface-mounted back box ³

Options	Finish (required)	
NLTAIR2 PIR nLIGHT AIR Wireless enabled motion/ambient sensor for 8'-15' mounting heights ^{5,6,7}	E7WC Emergency battery backup, CA Title 20 Noncompliant (cold, 7W) ^{7,12}	DDBXD Dark bronze
NLTAIR2 PIRH nLIGHT AIR Wireless enabled motion/ambient sensor for 15'-30' mounting heights ^{5,6,7}	E7WHR Remote emergency battery backup, CA Title 20 Noncompliant (remote 7W) ^{7,13}	DBLXD Black
PE Photoelectric cell, button type ⁸	E20WH Emergency battery pack 18W constant power, Certified in CA Title 20 MAEDBS ⁷	DNAXD Natural aluminum
PER NEMA twist-lock receptacle only (controls ordered separate) ⁹	E20WC Emergency battery pack -20°C 18W constant power, Certified in CA Title 20 MAEDBS ^{7,12}	DWHXD White
PER5 Five-wire receptacle only (controls ordered separate) ⁹	E23WHR Remote emergency battery backup, CA Title 20 Noncompliant (remote 20W) ^{7,12,14}	DSSXD Sandstone
PER7 Seven-wire receptacle only (controls ordered separate) ⁹	LCE Left side conduit entry ¹⁵	DDBTXD Textured dark bronze
PIR Motion/Ambient Light Sensor, 8-15' mounting height ^{5,6}	RCE Right side conduit entry ¹⁵	DBLXD Textured black
PIR1FC3V Motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc ^{5,6}	BAA Buy America(n) Act Compliant	DNATXD Textured natural aluminum
PIRH 180° motion/ambient light sensor, 15-30' mounting height ^{5,6}	Shipped separately	DWHGXD Textured white
PIRH1FC3V Motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc ^{5,6}	RBPW Retrofit back plate ³	DSSTXD Textured sandstone
SF Single fuse (120, 277, 347V) ²	VG Vandal guard ¹⁵	
DF Double fuse (208, 240, 480V) ²	WG Wire guard ¹⁵	
DS Dual switching ¹⁰		
DMG 0-10V dimming extend out back of housing for external control (control ordered separate) ¹¹		
E7WH Emergency battery backup, Non CEC compliant (7W) ⁷		

See Accessories and Notes on next page.



COMMERCIAL OUTDOOR

One Lithonia Way • Conyers, Georgia 30012 • Phone: 800-705-SERV (7378) • www.lithonia.com
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WST-LED
 Rev. 03/27/24

Accessories

Ordered and shipped separately.

WSTVCPBBW DDBXD U	Premium Surface - mounted back box
WS8BW DDBXD U	Surface - mounted back box
RBPW DDBXD U	Retrofit back plate
DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) ¹⁷
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) ¹⁷
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) ¹⁷

NOTES

- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- Also available as a separate accessory; see accessories information.
- Top conduit entry standard.
- Not available with VG or WG. See PER Table.
- Reference Motion Sensor table.
- Not available 347/480. E7WC or E23WHR, only available 120 or 277.
- Need to specify 120, 208, 240 or 277 voltage.

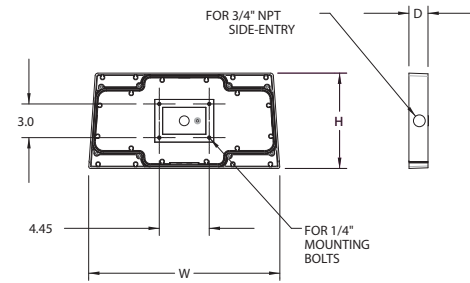
- Photocell ordered and shipped as a separate line item from Acuity Brands Controls. Shorting Cap included.
- Not available with Emergency options, PE or PER options.
- DMG option not available with standalone or networked sensors/controls.
- Battery pack rated for -20° to 40°C.
- Comes with PBBW.
- Warranty period is 3-years.
- Not available with BBW.
- Must order with fixture; not an accessory.
- Requires luminaire to be specified with PER, PER5 or PER7 option. See PER Table.

Optional Back Box (PBBW)

Height: 8.49"
(21.56 cm)

Width: 17.01"
(43.21 cm)

Depth: 1.70"
(4.32 cm)

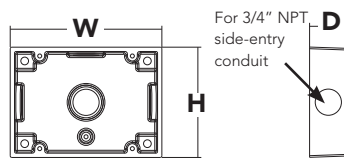


Optional Back Box (BBW)

Height: 4"
(10.2 cm)

Width: 5-1/2"
(14.0 cm)

Depth: 1-1/2"
(3.8 cm)



Emergency Battery Operation

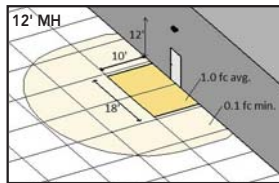
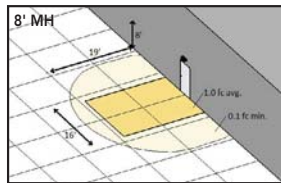
The emergency battery backup is integral to the luminaire — no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product.

All emergency backup configurations include an independent secondary driver with an integral relay to immediately detect AC power loss, meeting interpretations of [NFPA 70/NEC 2008 - 700.16](#)

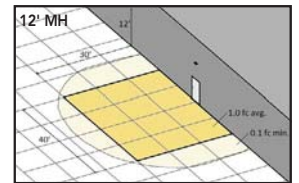
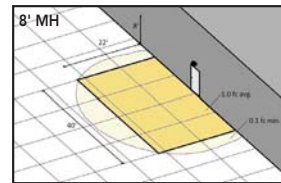
The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time supply power is lost, per [International Building Code Section 1006](#) and [NFPA 101 Life Safety Code Section 7.9](#), provided luminaires are mounted at an appropriate height and illuminate an open space with no major obstructions.

The examples below show illuminance of 1 fc average and 0.1 fc minimum of the P1 power package and VF distribution product in emergency mode.

10' x 10' Gridlines
8' and 12' Mounting Height



WST LED P1 27K VF MVOLT E7WH



WST LED P2 40K VF MVOLT E20WH

Performance Data

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.03
10°C	50°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
40°C	104°F	0.98

Electrical Load

Performance package	System Watts	Current (A)					
		120	208	240	277	347	480
P1	11	0.1	0.06	0.05	0.04	---	---
	14	---	---	---	---	0.04	0.03
P1 DS	14	0.12	0.07	0.06	0.06	---	---
	P2	25	0.21	0.13	0.11	0.1	---
30		---	---	---	---	0.09	0.06
P2 DS	25	0.21	0.13	0.11	0.1	---	---
	P3	50	0.42	0.24	0.21	0.19	---
56		---	---	---	---	0.16	0.12
P3 DS	52	0.43	0.26	0.23	0.21	---	---

Projected LED Lumen Maintenance

Values calculated according to IESNA TM-21-11 methodology and valid up to 40°C.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	>0.95	>0.92	>0.87

Motion Sensor Default Settings

Option	Dimmed State	High Level (when triggered)	Photocell Operation	Ramp-up Time	Dwell Time	Ramp-down Time
*PIR or PIRH	3V (37%) Output	10V (100%) Output	Enabled @ 5FC	3 sec	5 min	5 min
PIR1FC3V or PIRH1FC3V	3V (37%) Output	10V (100%) Output	Enabled @ 1FC	3 sec	5 min	5 min

*for use with site wide Dusk to Dawn control

PER Table

Control	PER (3 wire)	PER5 (5 wire)			PER7 (7 wire)		
			Wire 4/Wire5		Wire 4/Wire5	Wire 6/Wire7	
Photocontrol Only (On/Off)	✓	⚠	Wired to dimming leads on driver	⚠	Wired to dimming leads on driver	Wires Capped inside fixture	
ROAM	⊘	✓	Wired to dimming leads on driver	⚠	Wired to dimming leads on driver	Wires Capped inside fixture	
ROAM with Motion	⊘	⚠	Wired to dimming leads on driver	⚠	Wired to dimming leads on driver	Wires Capped inside fixture	
Futureproof*	⊘	⚠	Wired to dimming leads on driver	✓	Wired to dimming leads on driver	Wires Capped inside fixture	
Futureproof* with Motion	⊘	⚠	Wired to dimming leads on driver	✓	Wired to dimming leads on driver	Wires Capped inside fixture	

✓ Recommended

⊘ Will not work

⚠ Alternate

*Futureproof means: Ability to change controls in the future.

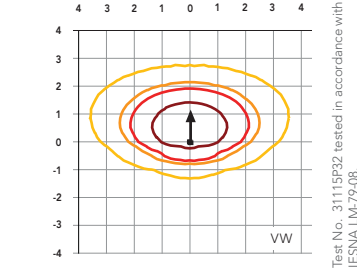
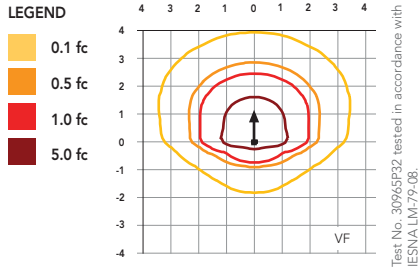
Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts.

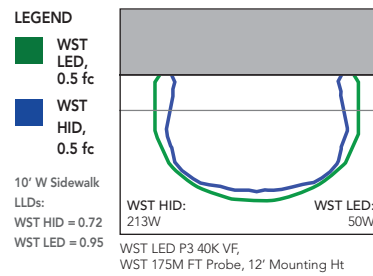
Performance Package	System Watts (MVOLT*)	Dist. Type	27K (2700K, 70 CRI)					30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)				
			Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P1	12W	VF	1,494	0	0	0	125	1,529	0	0	0	127	1,639	0	0	0	137	1,639	0	0	0	137
		VW	1,513	0	0	0	126	1,548	0	0	0	129	1,659	0	0	0	138	1,660	0	0	0	138
P2	25W	VF	3,163	1	0	1	127	3,237	1	0	1	129	3,469	1	0	1	139	3,468	1	0	1	139
		VW	3,201	1	0	0	128	3,276	1	0	0	131	3,512	1	0	0	140	3,512	1	0	0	140
P3	50W	VF	6,025	1	0	1	121	6,165	1	0	1	123	6,609	1	0	1	132	6,607	1	0	1	132
		VW	6,098	1	0	1	122	6,240	1	0	1	125	6,689	1	0	1	134	6,691	1	0	1	134



Isofootcandle plots for the WST LED P3 40K VF and VW. Distances are in units of mounting height (10').



Distribution overlay comparison to 175W metal halide.



FEATURES & SPECIFICATIONS

INTENDED USE

The classic architectural shape of the WST LED was designed for applications such as hospitals, schools, malls, restaurants, and commercial buildings. The long life LEDs and driver make this luminaire nearly maintenance-free.

CONSTRUCTION

The single-piece die-cast aluminum housing integrates secondary heat sinks to optimize thermal transfer from the internal light engine heat sinks and promote long life. The driver is mounted in direct contact with the casting for a low operating temperature and long life. The die-cast door frame is fully gasketed with a one-piece solid silicone gasket to keep out moisture and dust, providing an IP65 rating for the luminaire.

FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Standard Super Durable colors include dark bronze, black, natural aluminum, sandstone and white. Available in textured and non-textured finishes.

OPTICS

Well crafted reflector optics allow the light engine to be recessed within the luminaire, providing visual comfort, superior distribution, uniformity, and spacing in wall-mount applications. The WST LED has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL

Light engine(s) consist of 98 high-efficacy LEDs mounted to a metal core circuit board and integral aluminum heat sinks to maximize heat dissipation and promote long life (100,000 hrs at 40°C, L87). Class 2 electronic driver has a power factor >90%, THD <20%. Easily-serviceable surge protection device meets a minimum Category B (per ANSI/IEEE C62.41.2).

INSTALLATION

A universal mounting plate with integral mounting support arms allows the fixture to hinge down for easy access while making wiring connections.

LISTINGS

CSA certified to U.S. and Canadian standards. Luminaire is IP65 rated. PIR and back box options are rated for wet location. Rated for -30°C to 40°C ambient.

GOVERNMENT PROCUREMENT

BAA – Buy America(n) Act: Product qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product also qualifies as manufactured in the United States under DOT Buy America regulations.

BABA – Build America Buy America: Product qualifies as produced in the United States under the definitions of the Build America, Buy America Act.

Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

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