

SUMMIT VIEW FARMS

POOL CONSTRUCTION DOCUMENTS
LEE'S SUMMIT, MISSOURI



THE ABOVE ILLUSTRATION IS AN
ARTIST'S REPRESENTATION AND
DOES NOT INDICATE FINAL DESIGN

CONSTRUCTION DOCUMENTS

FEBRUARY 23, 2021

PREPARED BY:



8021 SANTA FE DRIVE, SUITE 200
OVERLAND PARK, KS 66204
913.972.7244
WWW.LORAXDESIGNGROUP.COM

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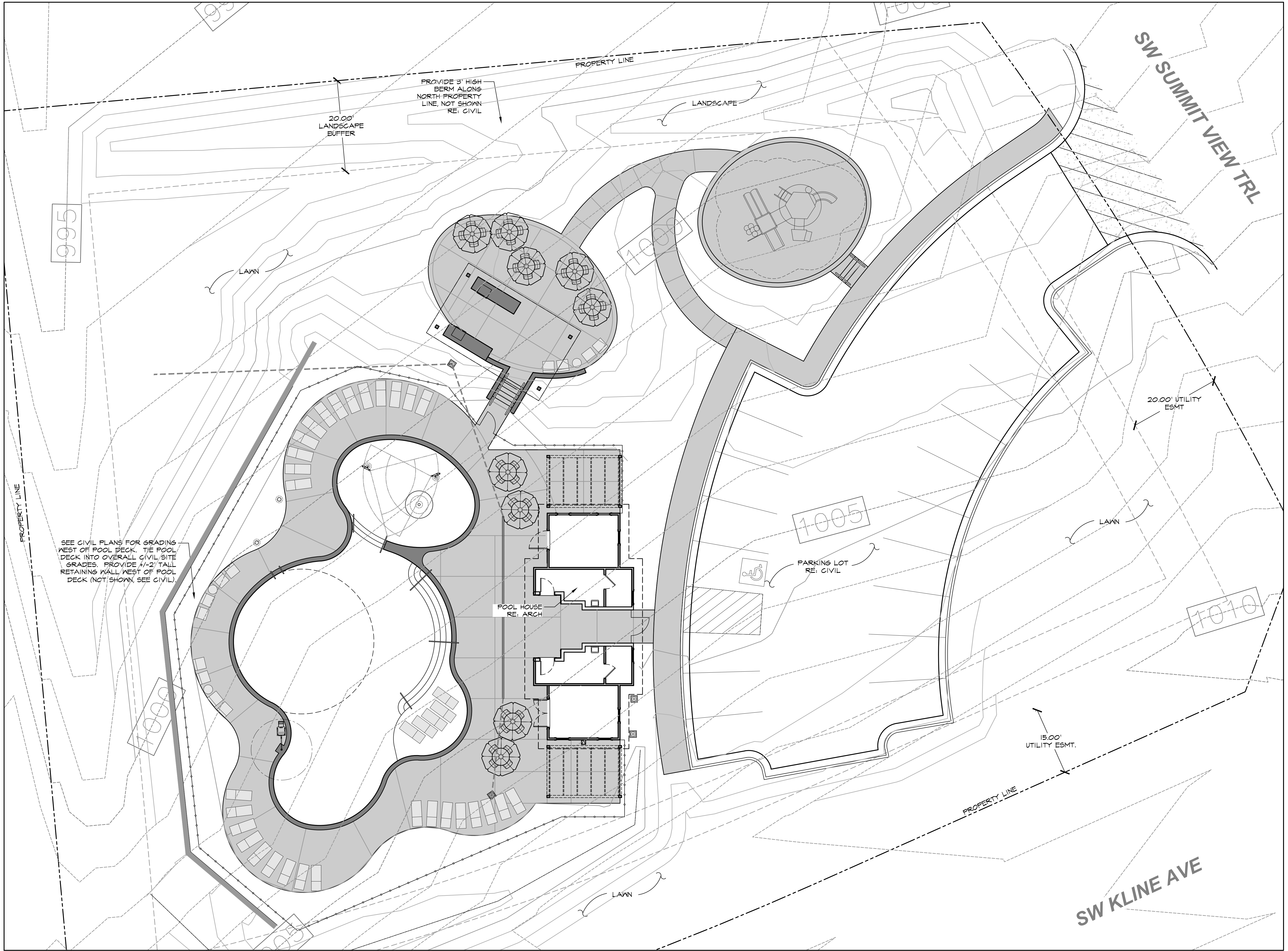
SUMMIT VIEW FARMS

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LEE'S SUMMIT, MISSOURI

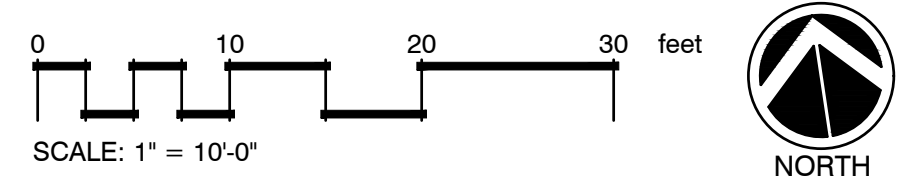
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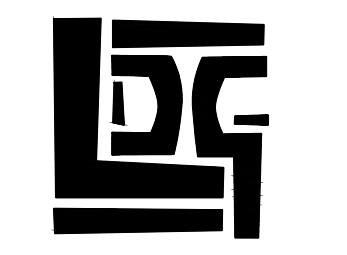
DECEMBER 2, 2021
SITE REFERENCE PLAN

L100



SITE REFERENCE PLAN
SCALE: 1"=10'-0"





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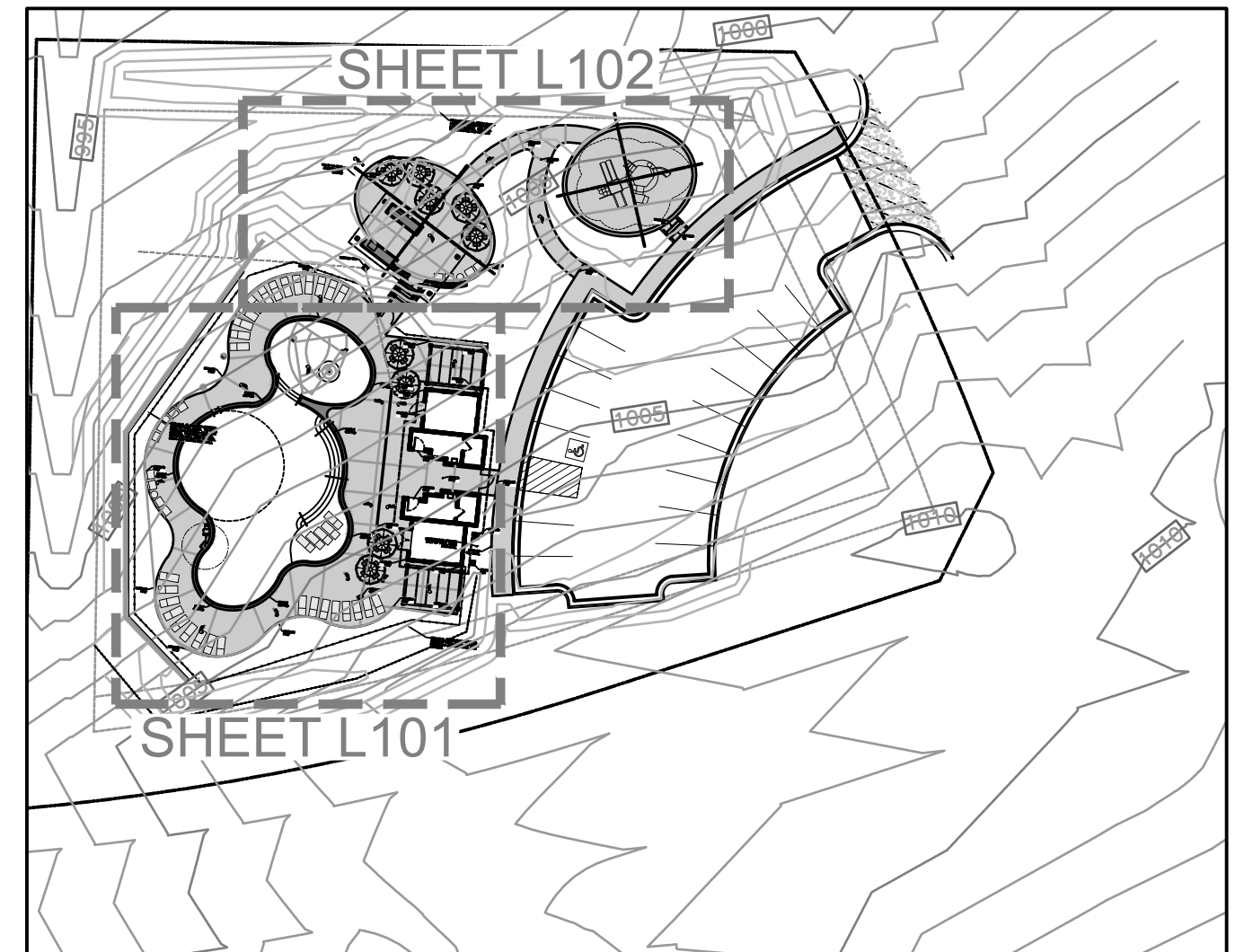
2-23-2021

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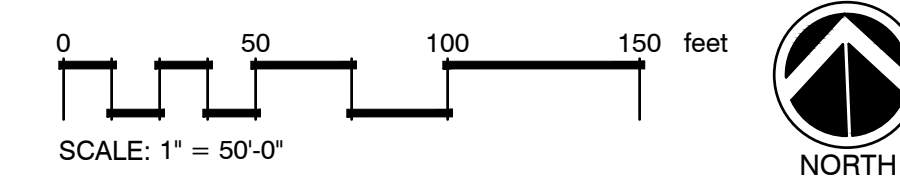
REVISION:

DECEMBER 2, 2021
POOL DECK - LAYOUT PLAN

L101



SITE REFERENCE PLAN
SCALE: 1"=50'-0"



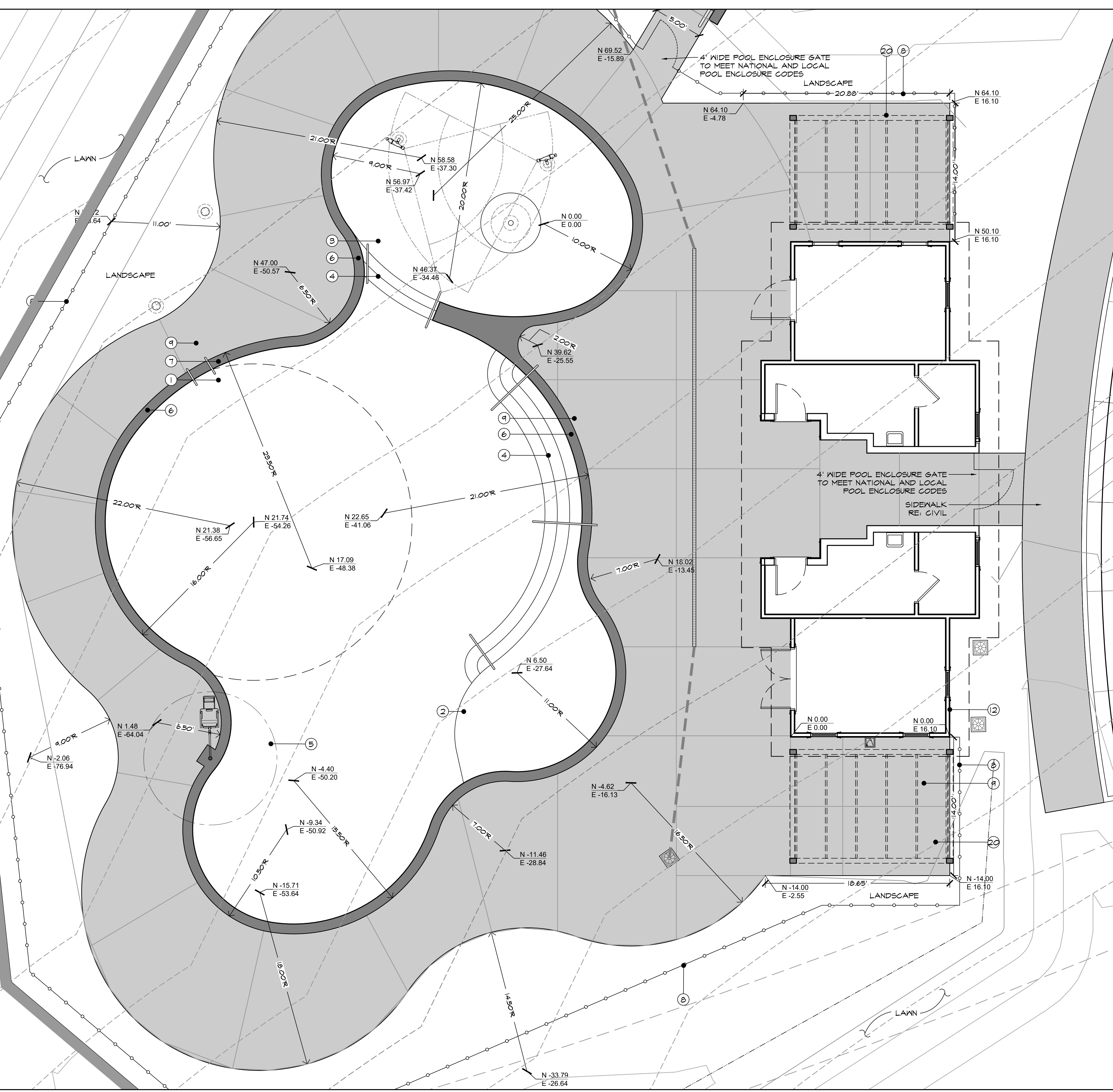
LEGEND

- WALL
- PAVEMENT
- POOL ENCLOSURE FENCE

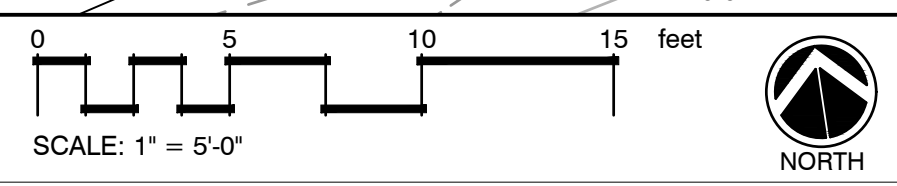
GENERAL NOTES

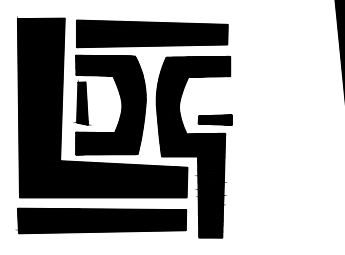
1. ANY MASONRY WORK DONE WITHIN 5' OF THE WATER'S EDGE SHALL HAVE LATICRETE ADDED
2. ANY METAL WITHIN 5' OF WATER'S EDGE SHALL BE BONDED
3. N+E BASED ON SOUTH WEST CORNER OF BUILDING

DETAILS LEGEND			
KEY	DETAIL	DESCRIPTION	SHEET
1	SWIMMING POOL	2112 SF SHOTCRETE SWIMMING POOL	W01-W106
2	ENTRY REEF - ADULT	265 SF ENTRY REEF, PROVIDE SHOTCRETE FROST FOOTING AROUND PERIMETER OF REEF	5/W103
3	ENTRY REEF - CHILDREN'S SPLASH PAD	556 SF ENTRY REEF W/ WATER FEATURE EQUIPMENT, PROVIDE SHOTCRETE FROST FOOTING AROUND PERIMETER OF REEF	W103
4	SWIMMING POOL STEPS W/ HANDRAILS	SHOTCRETE STEPS W/ 3" WIDE (MIN) NON-SKID MATERIAL OF CONTRASTING COLOR TO PLASTER ALONG HORIZONTAL EDGE OF EACH RISER	4 W103
5	POOL LIFT	ADA ACCESSIBLE POOL LIFT, WATER DEPTH SHALL NOT EXCEED 48" AT LIFT LOCATION	10 W103
6	POOL COPING	GIP STEGMEIER CONCRETE COPING, CLIP-LOC INTERMEDIATE FORM	6 W103
7	POOL LADDER	SWIMMING POOL LADDER FOR POOL EGRESS	1 W103
8	POOL ENCLOSURE FENCE	5' HT. BLACK POWDER COATED STEEL AMERISTAR MONTAGE COMMERCIAL MAGESTIC FENCE AT POOL ENCLOSURE, LOCATE GATES AS SHOWN ON PLAN	12/3 L201
9	POOL DECK	GREY, BROOM FINISHED CONCRETE POOL DECK	1-4 L201
10	GRILL STATION	BUILT-IN GRILL AND ACCESS DOORS W/ GRANITE COUNTERTOP & THIN STONE VENEER BASE	L202-L203
11	POOL EQUIPMENT ROOM	RE: PLUMBING PLANS	W004
12	CABANA STRUCTURE	RE: ARCH	RE: ARCH
13	SHADE STRUCTURE	SOLID ROOF SHADE STRUCTURE OVER GRILL STATIONS	L203
14	LANDSCAPE AREA DRAIN	AREA DRAIN IN LANDSCAPE AREAS W/ BEEHIVE DOME TOP	8 L201
15	HARDSCAPE AREA DRAIN	AREA DRAIN IN HARDSCAPE AREAS W/ ORNAMENTAL IRON COVER	6 L201
16	LINEAR DRAIN	IN-LINE DRAIN IN HARDSCAPE AREAS W/ ORNAMENTAL IRON COVER	6 L201
17	TRASH RECEPTACLE	BLACK ASHEBOOKE RECEPTACLE, MODEL AH401-DT, MANUF. BY BRP BY BISON	-
18	PLAYGROUND	PB20-11901 PLAYGROUND BY LITTLE TIKES COMMERCIAL	4 L204
19	PLAYGROUND SURFACE	ARTIFICIAL LAWN PLAYGROUND SURFACE BY FOREVER LAWN. INSTALL PER MANUFACTURER'S SPECIFICATIONS. SURROUND WITH CONCRETE BAND	-
20	PERGOLA STRUCTURE	STEEL & FABRIC PERGOLA STRUCTURE	L202
21	RETAINING WALL	CONCRETE RETAINING WALL WITH OPTIONAL STONE VENEER AND PRECAST CAP	1 L204
22	CONCRETE STEPS	CONCRETE STEPS WITH S.S. HANDRAIL	L204



POOL DECK - LAYOUT PLAN
SCALE: 1"=5'-0"





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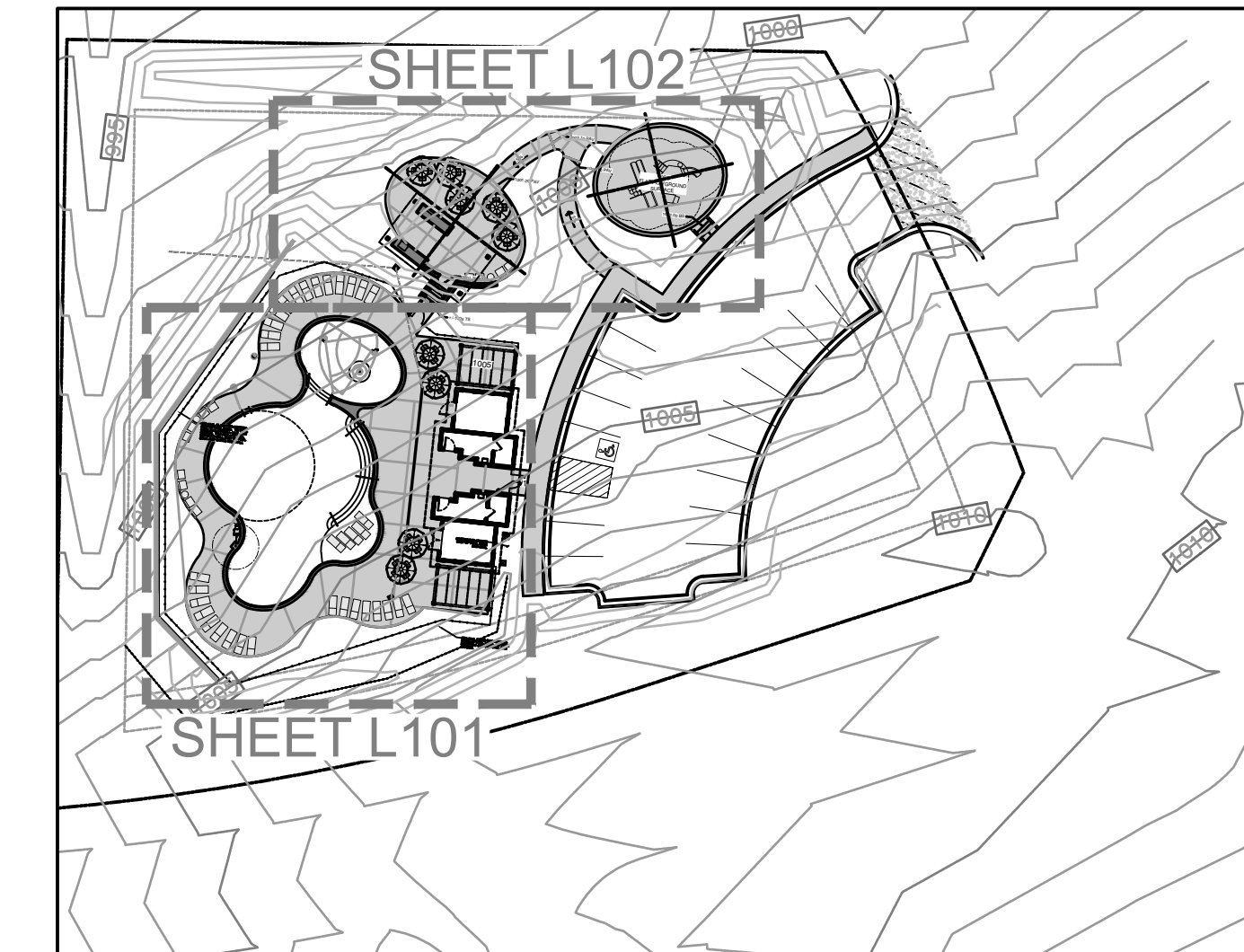
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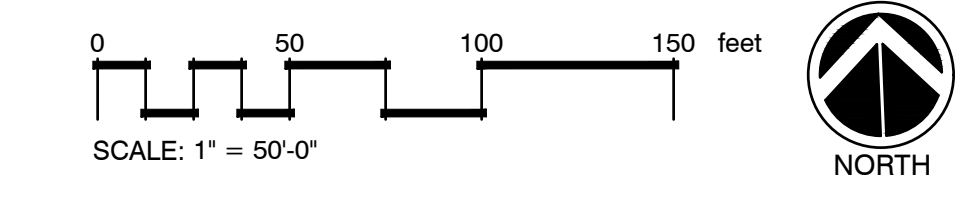
REVISION:

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GRILL PATIO - LAYOUT PLAN

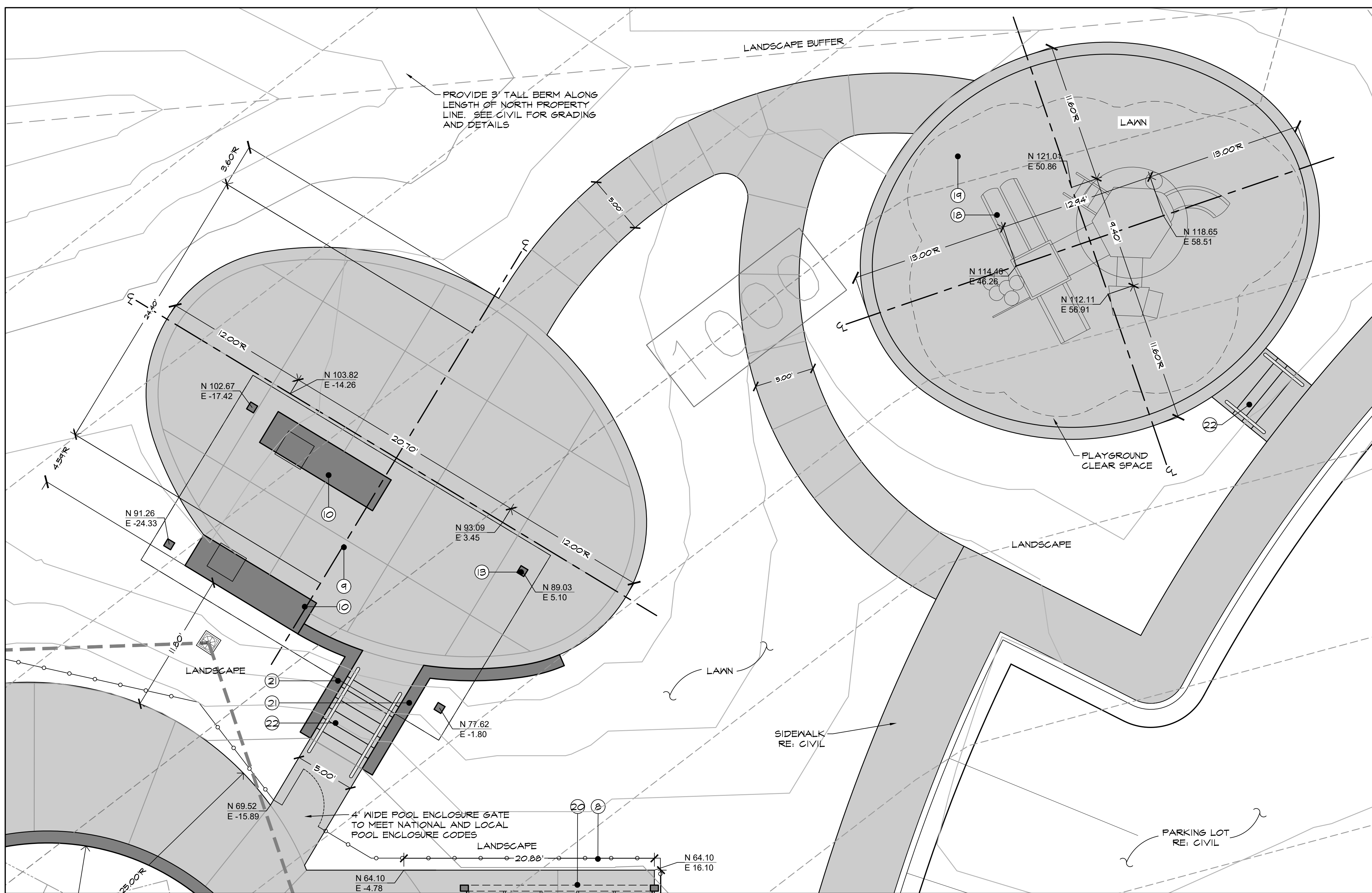
L102



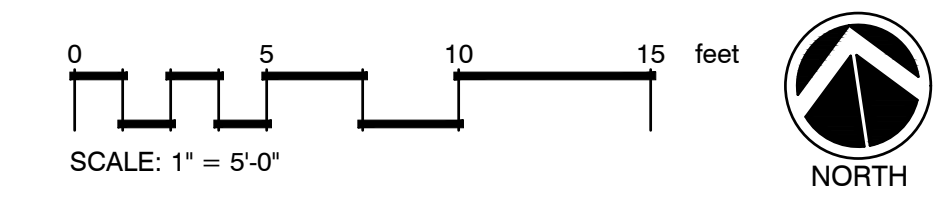
SITE REFERENCE PLAN
SCALE: 1"=50'-0"



KEY	DETAIL	DESCRIPTION	SHEET
1	SWIMMING POOL	2,112 SF SHOTCRETE SWIMMING POOL	W001-W106
2	ENTRY REEF - ADULT	265 SF ENTRY REEF, PROVIDE SHOTCRETE FROST FOOTING AROUND PERIMETER OF REEF	5/W103
3	ENTRY REEF - CHILDREN'S SPLASH PAD	556 SF ENTRY REEF w/ WATER FEATURE EQUIPMENT, PROVIDE SHOTCRETE FROST FOOTING AROUND PERIMETER OF REEF	W103
4	SWIMMING POOL STEPS w/ HANDRAILS	SHOTCRETE STEPS w/ 3" WIDE (MIN) NON-SKID MATERIAL OF CONTRASTING COLOR TO PLASTER ALONG HORIZONTAL EDGE OF EACH RISER	4 W103
5	POOL LIFT	ADA ACCESSIBLE POOL LIFT, WATER DEPTH SHALL NOT EXCEED 48" AT LIFT LOCATION	10 W105
6	POOL COPING	CIP STEPS/MEIER CONCRETE COPING, CLIP-LOG INTER-MEDIATE FORM	6 W103
7	POOL LADDER	SWIMMING POOL LADDER FOR POOL EGRESS	1 W105
8	POOL ENCLOSURE FENCE	5' HT. BLACK POWDER COATED STEEL AMERISTAR MONTAGE COMMERCIAL MAGESTIC FENCE AT POOL ENCLOSURE, LOCATE GATES AS SHOWN ON PLAN	12/3 L201
9	POOL DECK	GREY, BROOM FINISHED CONCRETE POOL DECK	1-4 L201
10	GRILL STATION	BUILT-IN GRILL AND ACCESS DOORS w/ GRANITE COUNTERTOP & THIN STONE VENEER BASE	L202-L203
11	POOL EQUIPMENT ROOM	RE: PLUMBING PLANS	W004
12	CABANA STRUCTURE	RE: ARCH	RE: ARCH
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15	HARDSCAPE AREA DRAIN	AREA DRAIN IN HARDSCAPE AREAS w/ ORNAMENTAL IRON COVER	6 L201
16	LINEAR DRAIN	IN-LINE DRAIN IN HARDSCAPE AREAS w/ ORNAMENTAL IRON COVER	6 L201
17	TRASH RECEPTACLE	BLACK ASHEBOOKE RECEPTABLE, MODEL AH401-DT, MANUF. BY BRP BY BISON	-
18	PLAYGROUND	FB20-119071 PLAYGROUND BY LITTLE TIKES COMMERCIAL	4 L204
19	PLAYGROUND SURFACE	ARTIFICIAL LAWN PLAYGROUND SURFACE BY FOREVER LAWN, INSTALL PER MANUFACTURER'S SPECIFICATIONS, SURROUND WITH CONCRETE BAND	-
20	PERGOLA STRUCTURE	STEEL & FABRIC PERGOLA STRUCTURE	L202
21	RETAINING WALL	CONCRETE RETAINING WALL WITH OPTIONAL STONE VENEER AND PRECAST CAP	1 L204
22	CONCRETE STEPS	CONCRETE STEPS WITH S.S. HANDRAIL	L204



GRILL PATIO - LAYOUT PLAN
SCALE: 1"=5'-0"



LEGEND

- WALL
- PAVEMENT
- POOL ENCLOSURE FENCE

GENERAL NOTES

1. ANY MASONRY WORK DONE WITHIN 5' OF THE WATERS EDGE SHALL HAVE LATICRETE ADDED
2. ANY METAL WITHIN 5' OF WATERS EDGE SHALL BE BONDED
3. N&E BASED ON SOUTH WEST CORNER OF BUILDING



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DECEMBER 2, 2021
POOL DECK - GRADING PLAN

L103

LEGEND

- MALL
- PAVEMENT
- POOL ENCLOSURE FENCE
- TRENCH DRAIN
- AREA DRAIN
- SLOPE AREA

ANNOTATION LEGEND

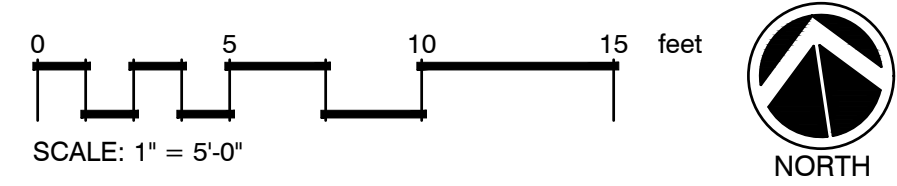
- FFE - FINISHED FLOOR ELEVATION
- BFE - BASEMENT FLOOR ELEVATION
- TM - TOP WALL
- BW - BOTTOM WALL
- TS - TOP STEP
- BS - BOTTOM STEP
- DI - DRAIN INLET
- RIM - DRAIN RIM ELEVATION
- PAV - PAVING ELEVATION
- TC - TOP COPING
- HP - HIGH POINT
- DS - DOWN SPOUT
- FG - FINISHED GRADE
- THRESH - THRESHOLD ELEVATION

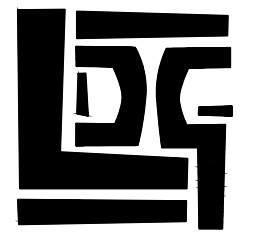
GENERAL NOTES

1. ANY MASONRY WORK DONE WITHIN 5' OF THE WATERS EDGE SHALL HAVE LATICRETE ADDED
2. ANY METAL WITHIN 5' OF WATERS EDGE SHALL BE BONDED
3. ALL DRAINS SHALL TIE-IN TO CIVIL STORM SYSTEM. CONTRACTOR TO FIELD DETERMINE DRAIN INVERTS AND ENSURE POSITIVE DRAINAGE TO CIVIL STORM SYSTEM. COORDINATE WITH CIVIL



POOL DECK - GRADING PLAN
SCALE: 1"=5'-0"





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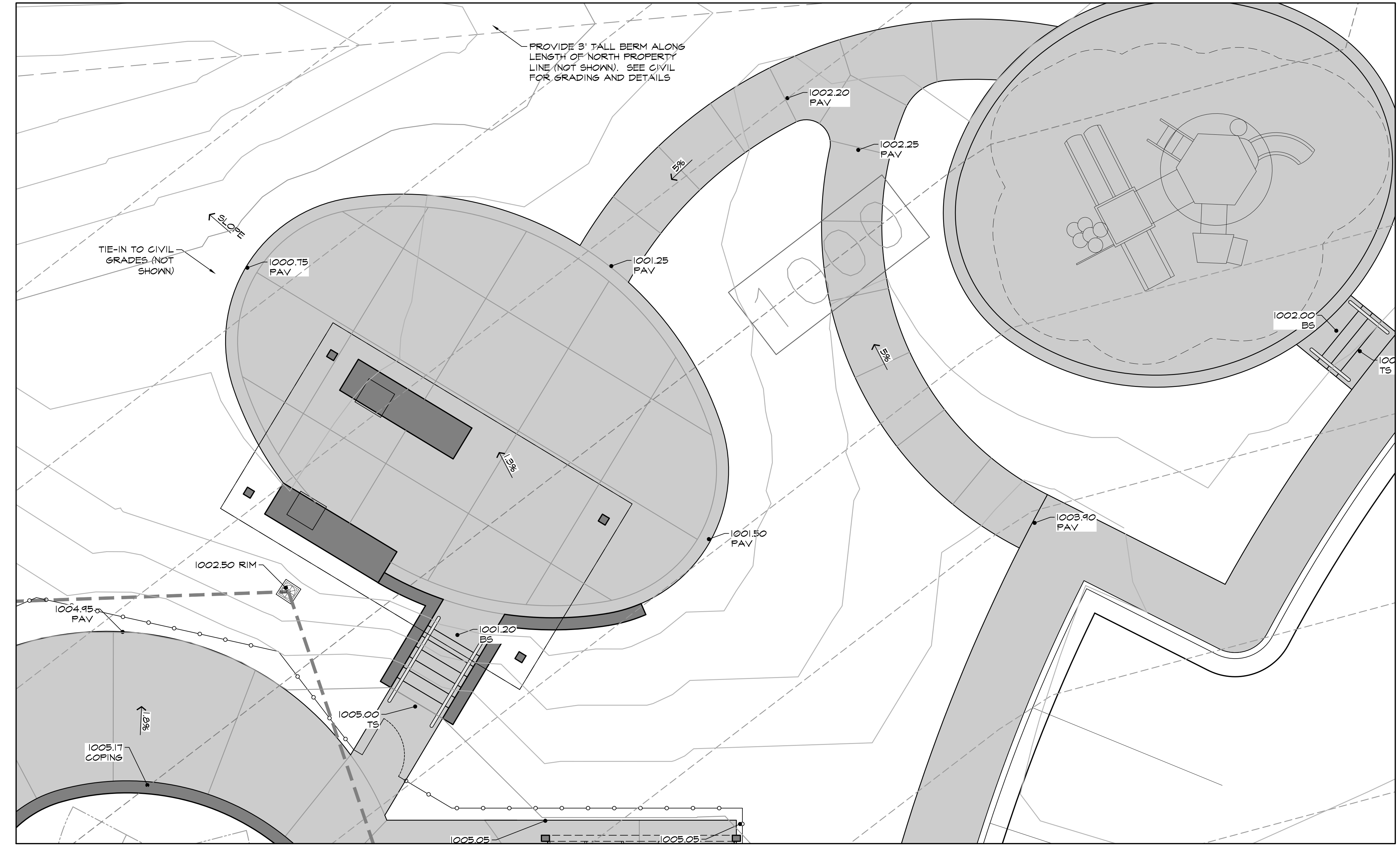
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2-23-2021

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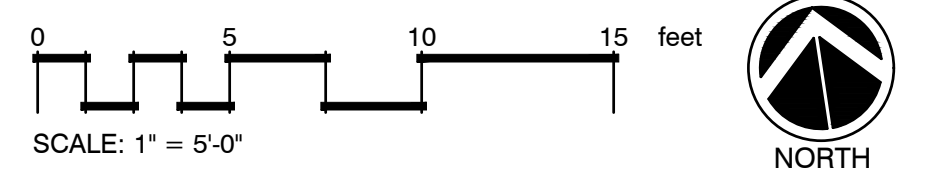
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GRILL PATIO - GRADING PLAN

L104



GRILL PATIO - GRADING PLAN
SCALE: 1"=5'-0"



LEGEND

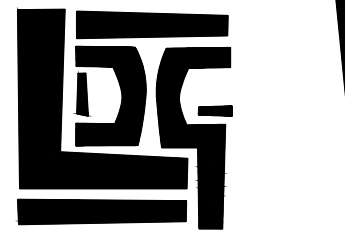
- WALL
- PAVEMENT
- POOL ENCLOSURE FENCE
- TRENCH DRAIN
- AREA DRAIN
- SLOPE AREA

ANNOTATION LEGEND

- FFE - FINISHED FLOOR ELEVATION
- BFE - BASEMENT FLOOR ELEVATION
- TW - TOP WALL
- BW - BOTTOM WALL
- TS - TOP STEP
- BS - BOTTOM STEP
- DI - DRAIN INLET
- RIM - DRAIN RIM ELEVATION
- PAV - PAVING ELEVATION
- TC - TOP COPING
- HP - HIGH POINT
- DS - DOWN SPOUT
- FG - FINISHED GRADE
- THRESH - THRESHOLD ELEVATION

GENERAL NOTES

1. ANY MASONRY WORK DONE WITHIN 5' OF THE WATERS EDGE SHALL HAVE LATICRETE ADDED
2. ANY METAL WITHIN 5' OF WATERS EDGE SHALL BE BONDED
3. ALL DRAINS SHALL TIE-IN TO CIVIL STORM SYSTEM. CONTRACTOR TO FIELD DETERMINE DRAIN INVERTS AND ENSURE POSITIVE DRAINAGE TO CIVIL STORM SYSTEM. COORDINATE WITH CIVIL



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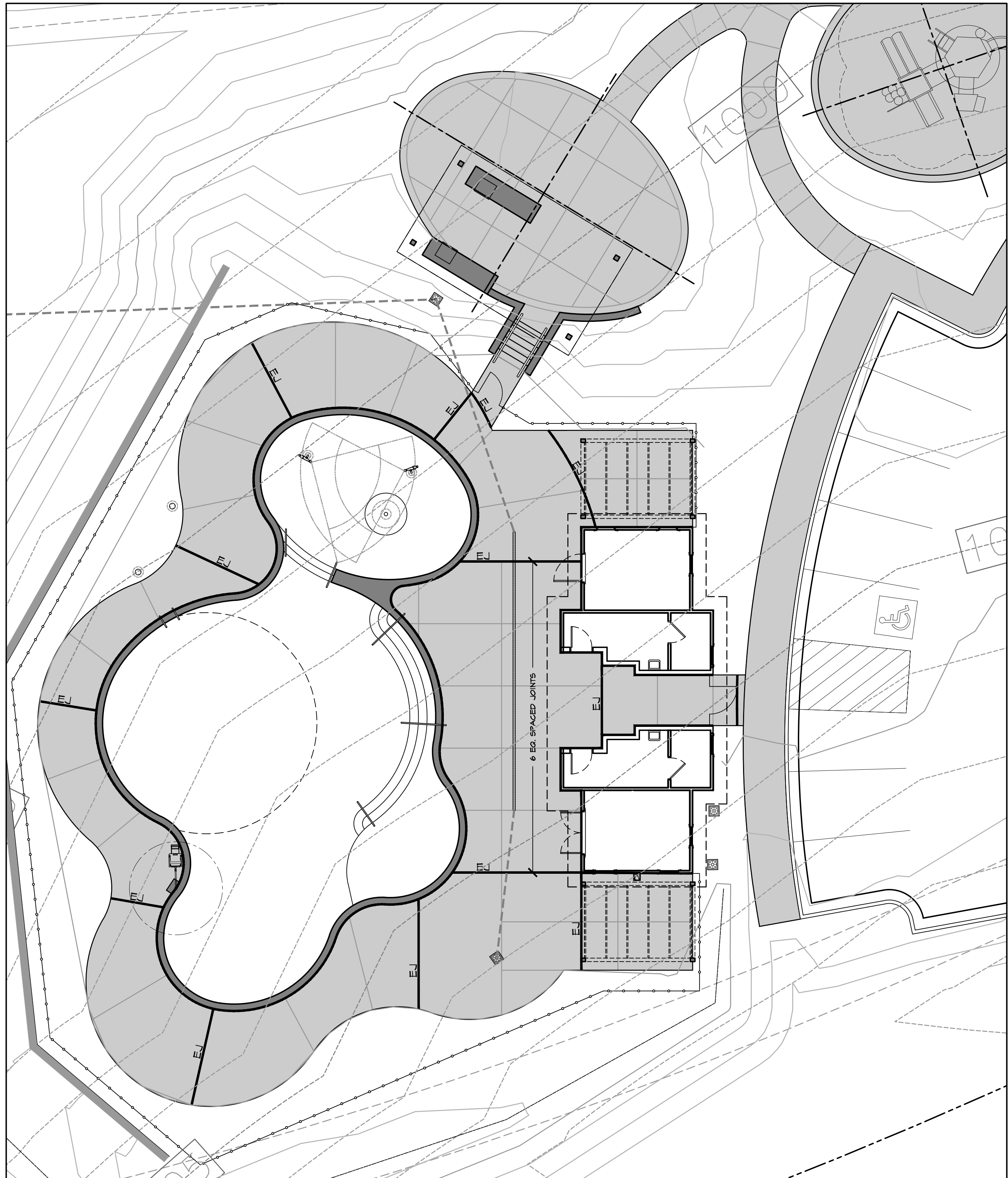
L. M. Kramer
 2-23-2021

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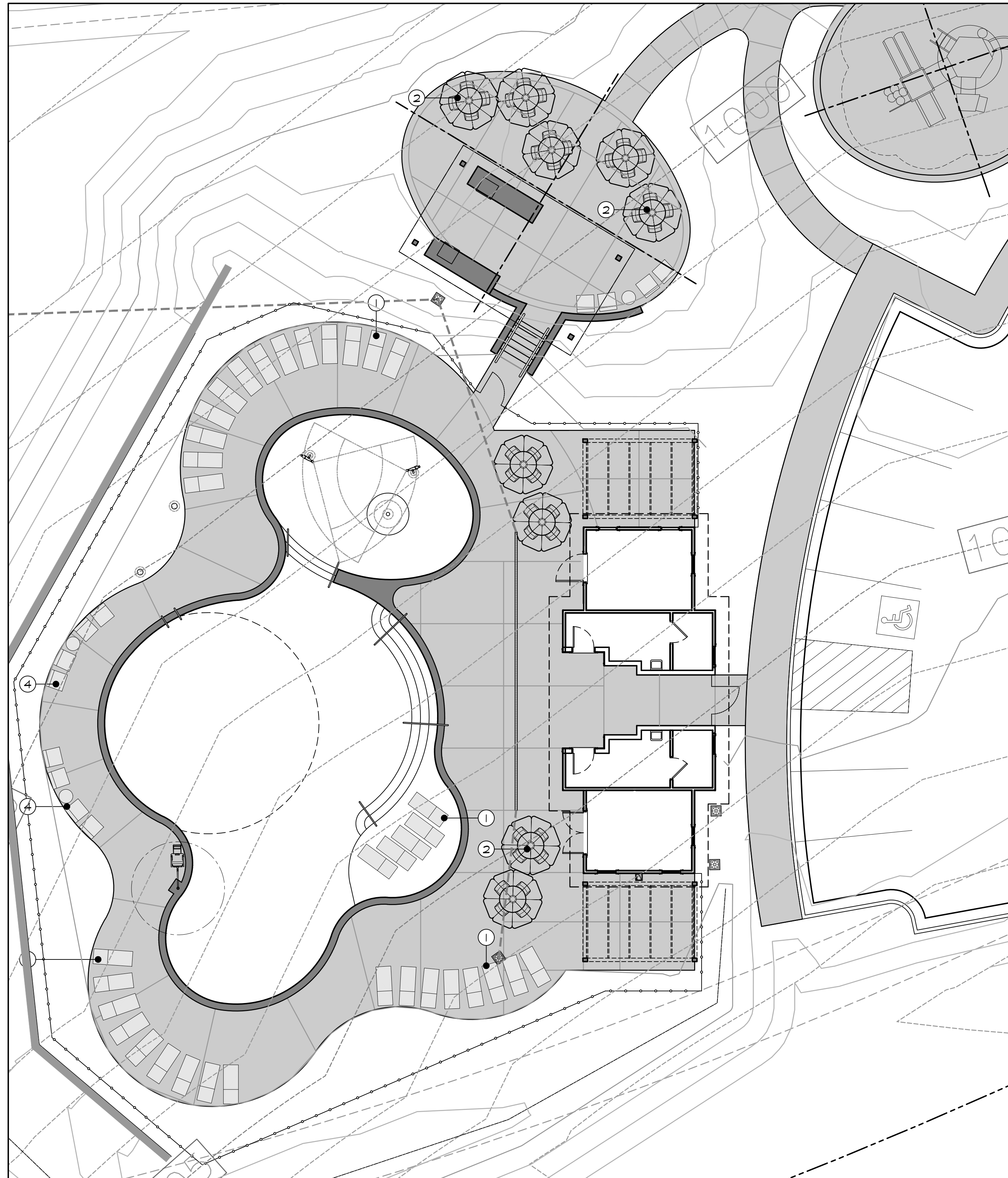
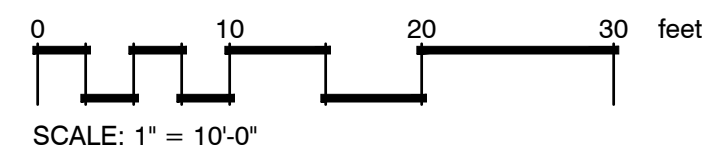
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DECEMBER 2, 2021
 POOL DECK SCORE JOINTS PLAN

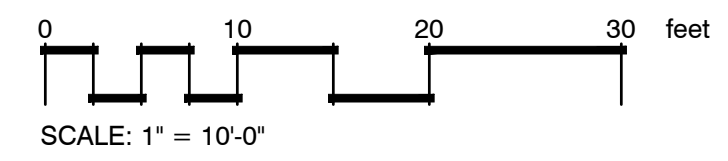
L105



POOL DECK SCORE JOINTS PLAN
 SCALE: 1"=10'-0"

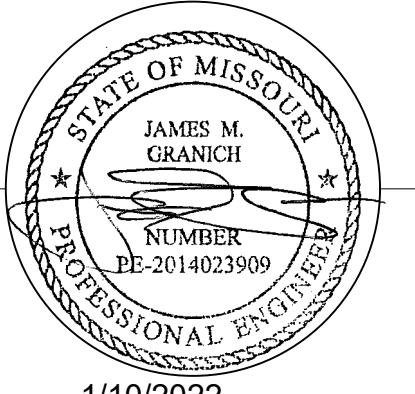


FURNITURE LAYOUT PLAN
 SCALE: 1"=10'-0"



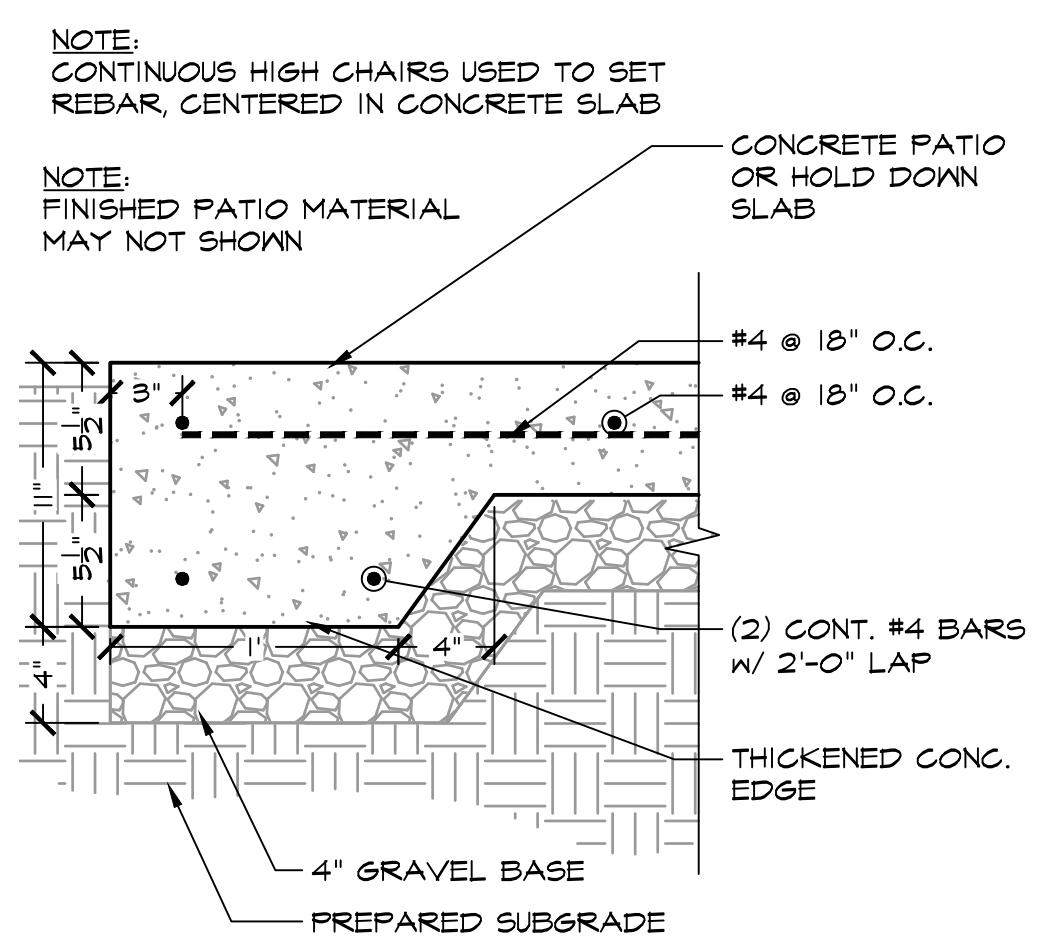
DETAILS LEGEND		
KEY	DETAIL	DESCRIPTION
①	POOL FURNITURE - LOUNGE CHAIR	BY OWNER
②	4-PERSON TABLE & CHAIRS W/ UMBRELLA	BY OWNER
③	4-PERSON TABLE & CHAIRS	BY OWNER
④	POOL FURNITURE - CHAIR	BY OWNER

NOTES
 FURNISHING SHOWN FOR PRICING PURPOSES ONLY.
 VERIFY FINAL SELECTION W/ ARCHITECT

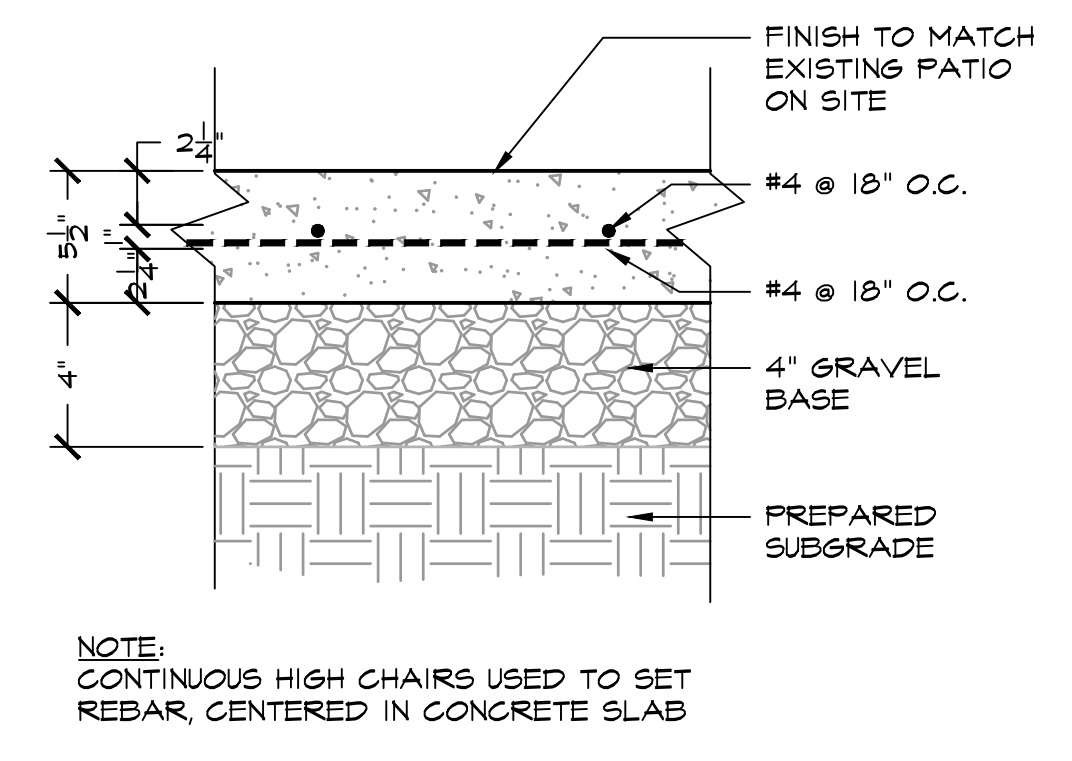


1/10/2022
Missouri COA #001268

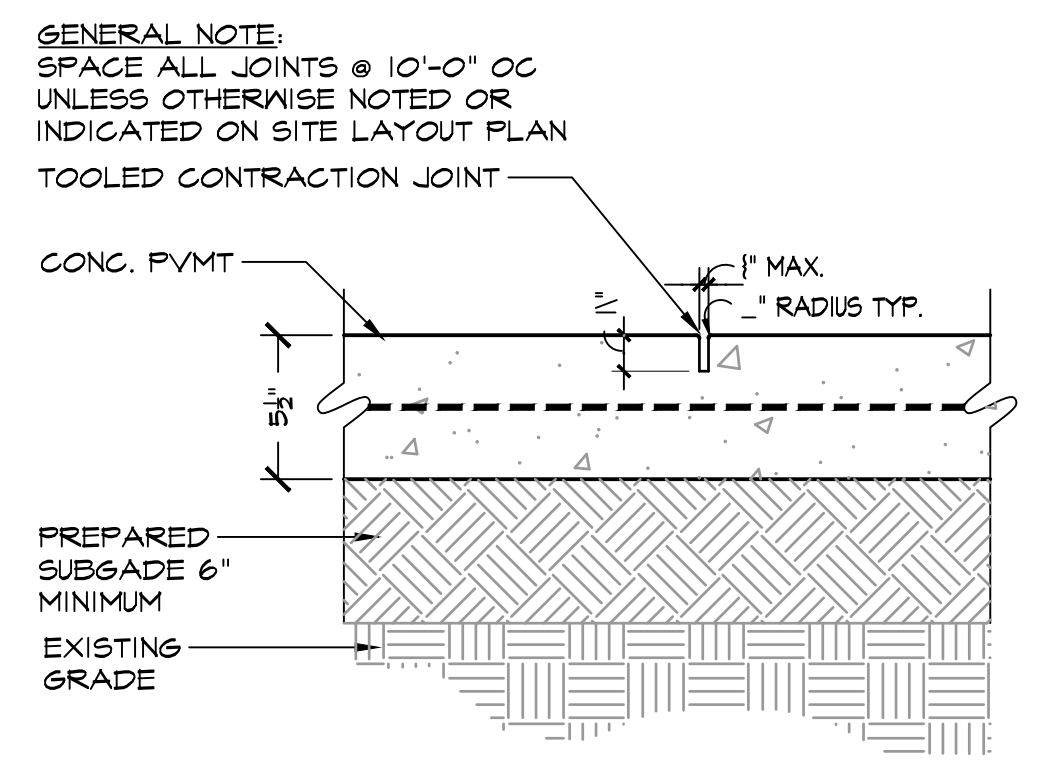
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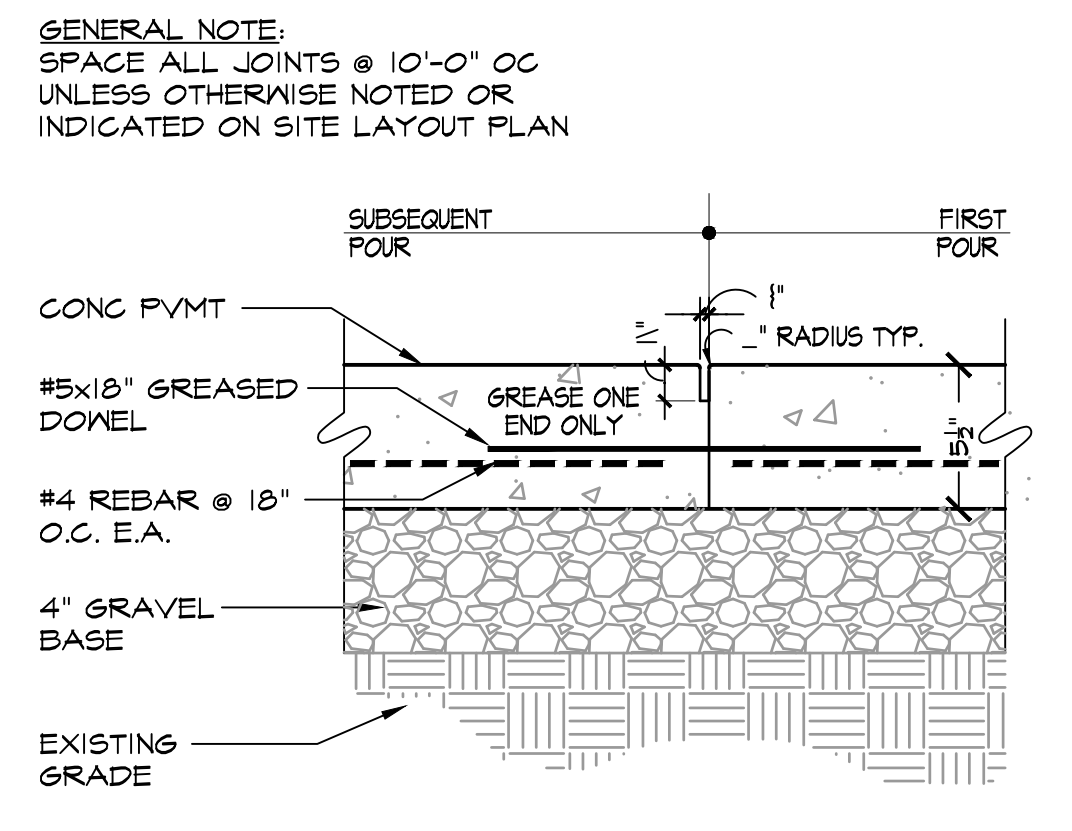
1 CONCRETE THICKENED EDGE
SCALE: 1-1/2" = 1'-0" SECTION



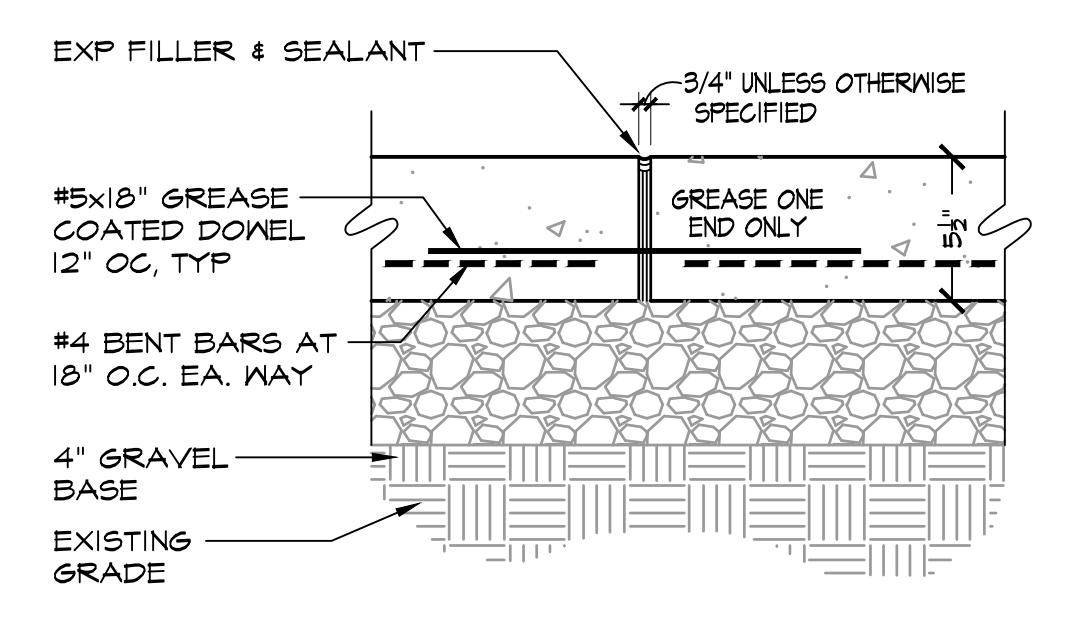
2 CONCRETE PAVEMENT
SCALE: 1-1/2" = 1'-0" SECTION



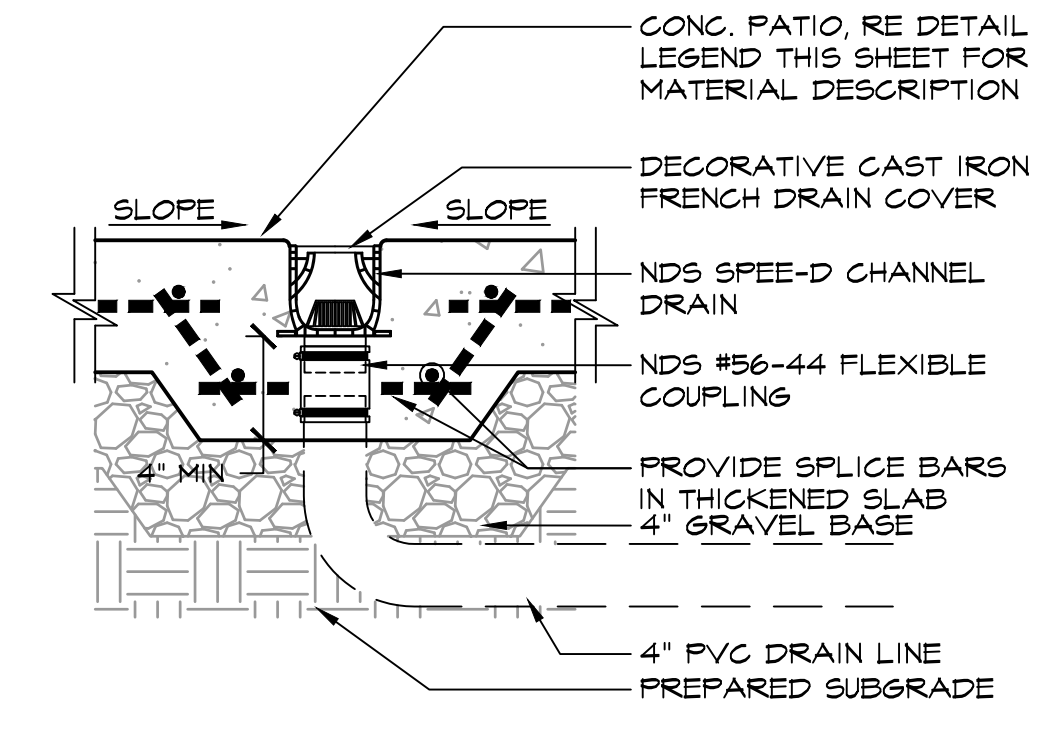
3 CONCRETE CONTRACTION JOINT
SCALE: 1-1/2" = 1'-0" SECTION



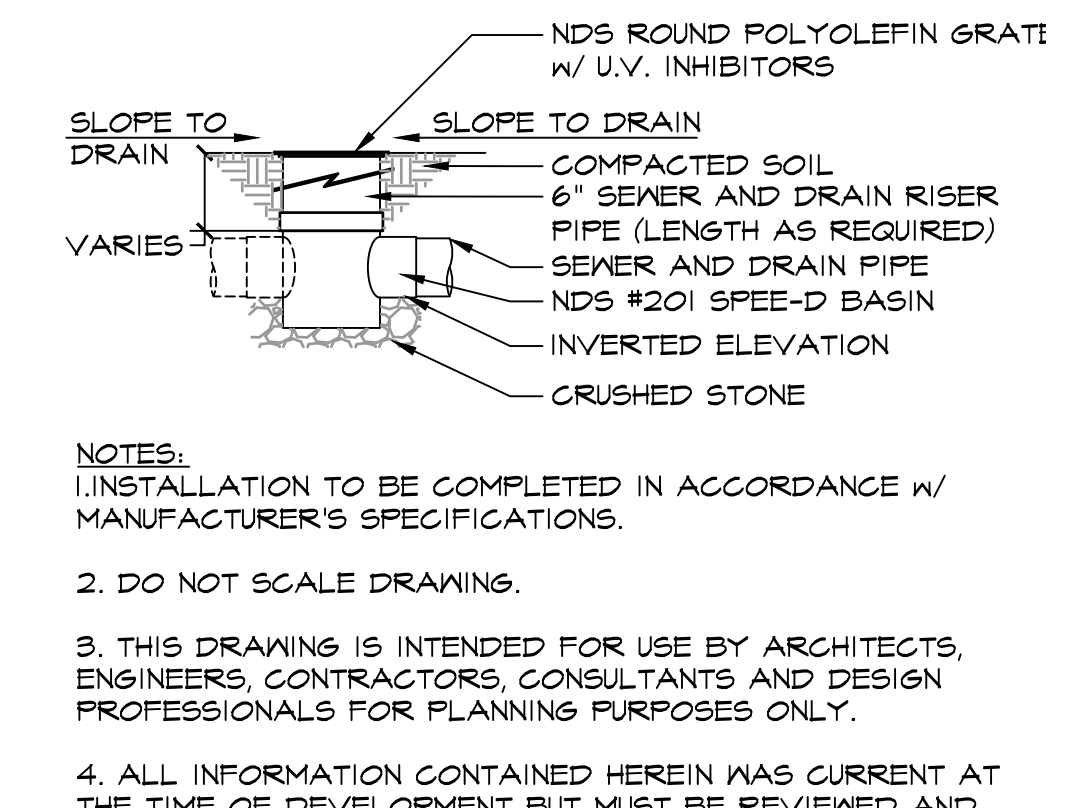
4 CONCRETE CONSTRUCTION JOINT
SCALE: 1-1/2" = 1'-0" SECTION



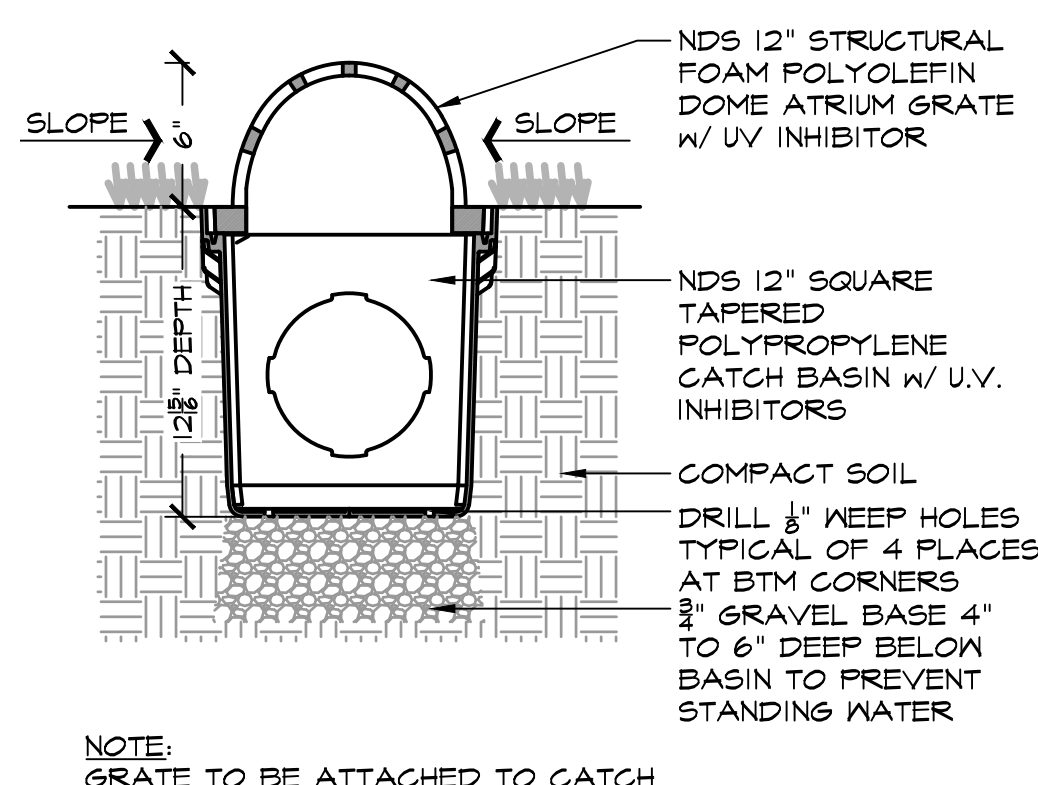
5 GREASE DOWEL @ EXP JOINT
SCALE: 1-1/2" = 1'-0" SECTION



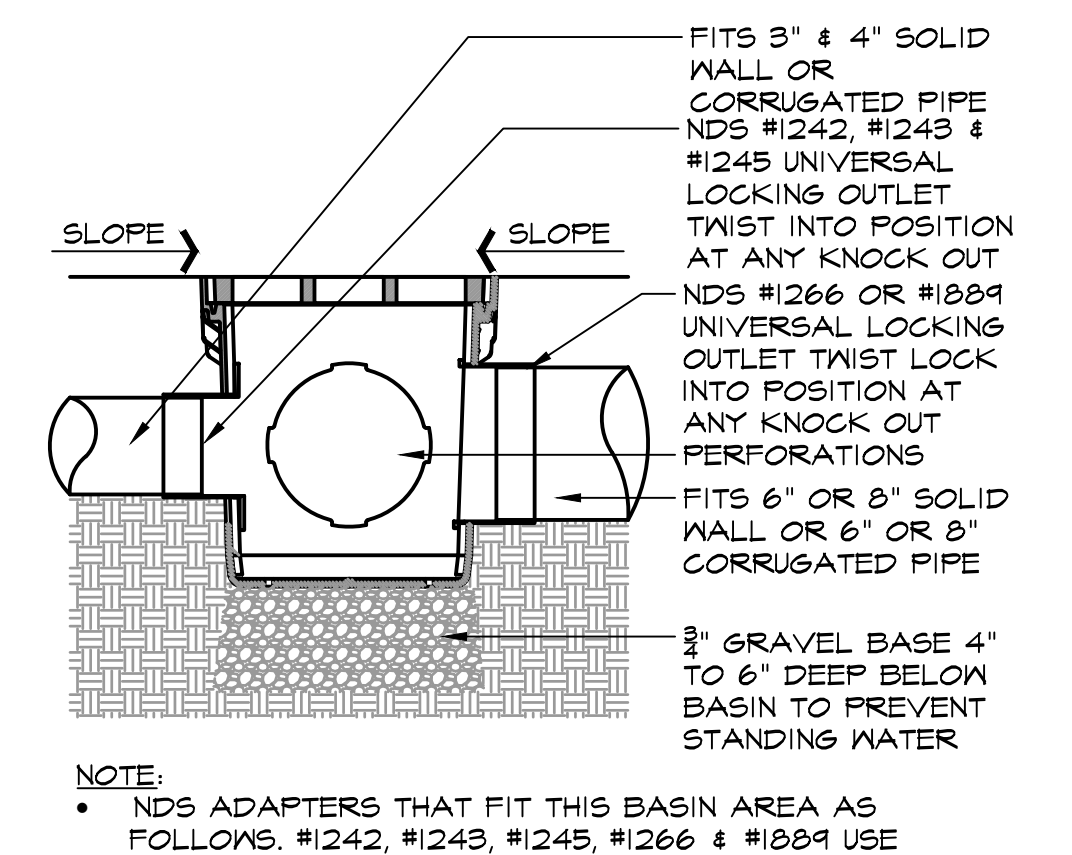
6 TRENCH DRAIN
SCALE: 1-1/2" = 1'-0" SECTION



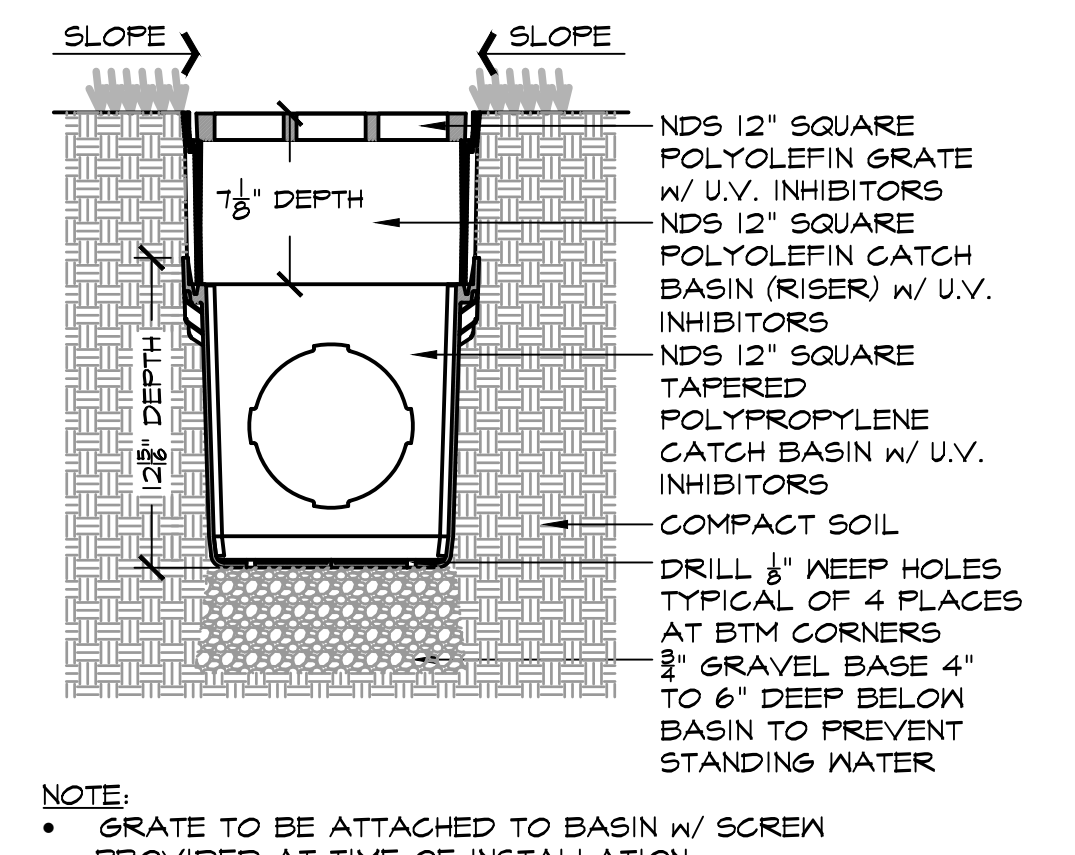
7 NDS ROUND SPEED-D BASIN
SCALE: 1-1/2" = 1'-0" SECTION



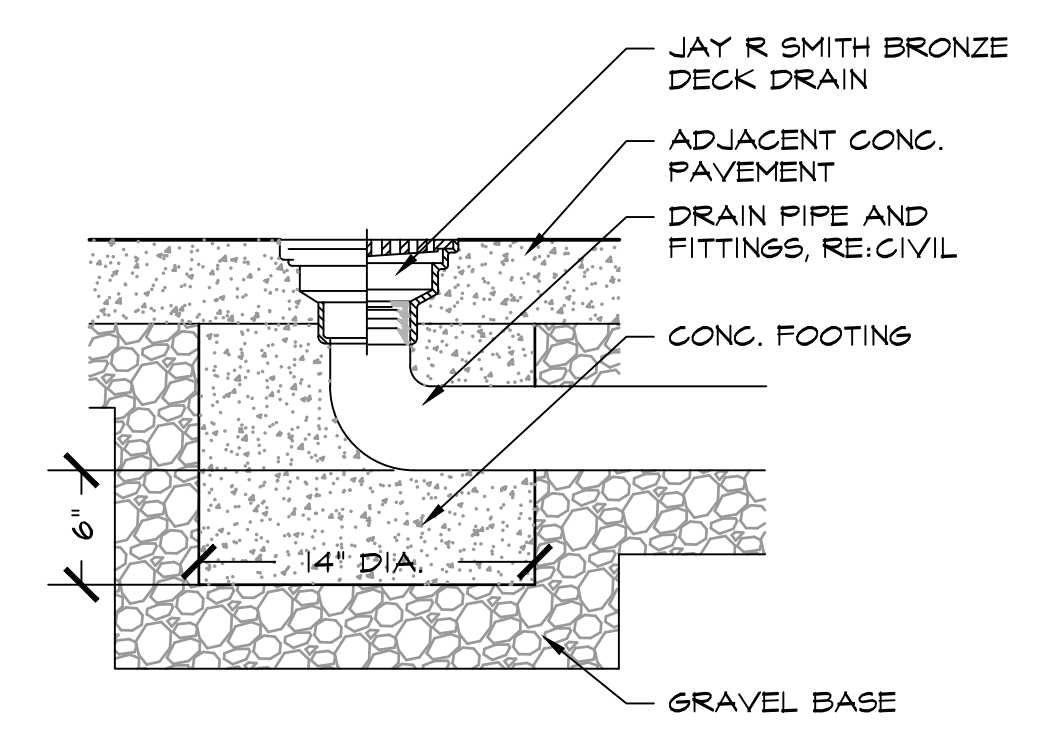
8 CATCH BASIN @ LANDSCAPE AREAS
SCALE: 1-1/2" = 1'-0" SECTION



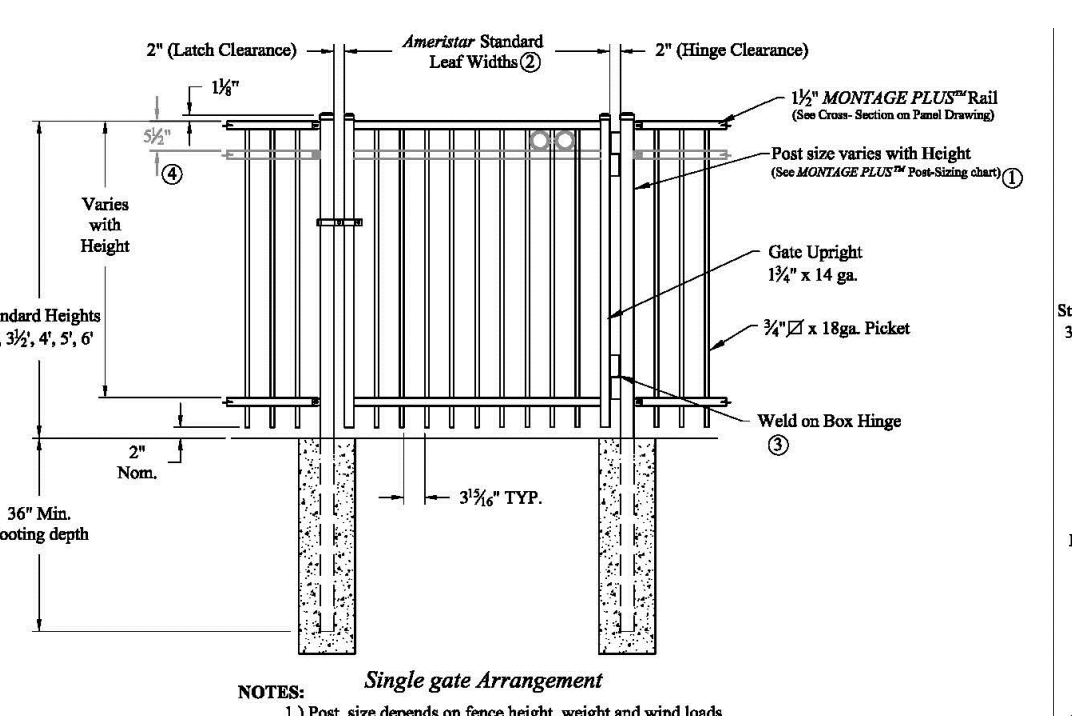
9 CATCH BASIN w/ PLUMBING
SCALE: 1-1/2" = 1'-0" SECTION



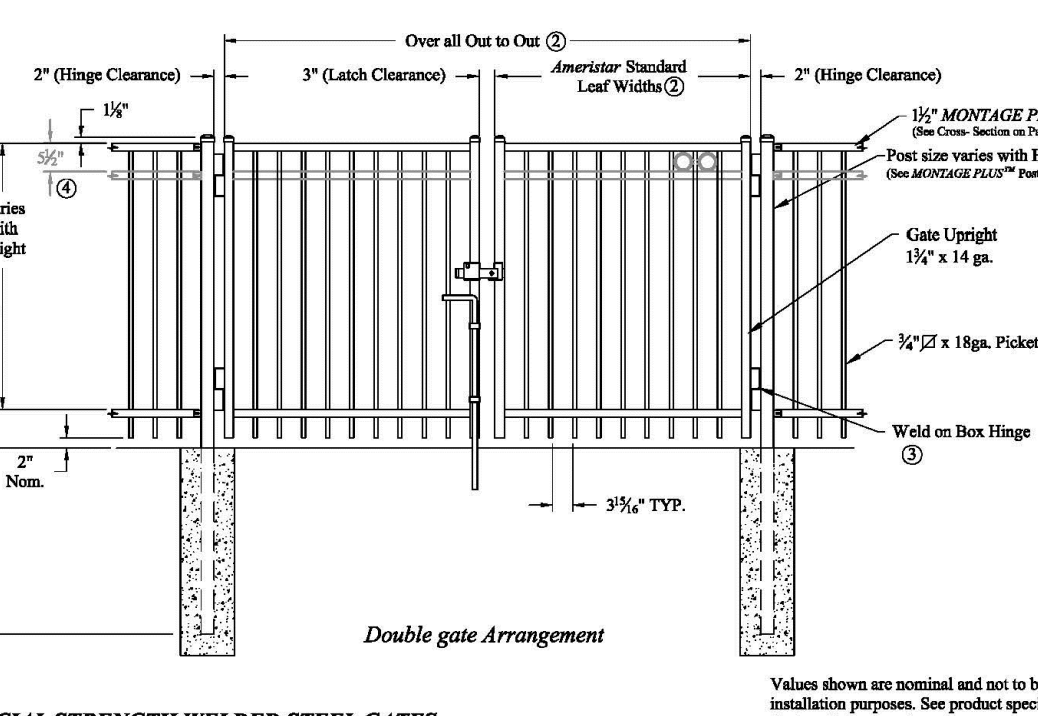
10 CATCH BASIN w/ RISER
SCALE: 1-1/2" = 1'-0" SECTION



11 POOL DECK AREA DRAIN
SCALE: NTS



12 POOL GATE
SCALE: NTS



13 POOL FENCING
SCALE: NTS

COMMERCIAL STRENGTH WELDED STEEL GATES

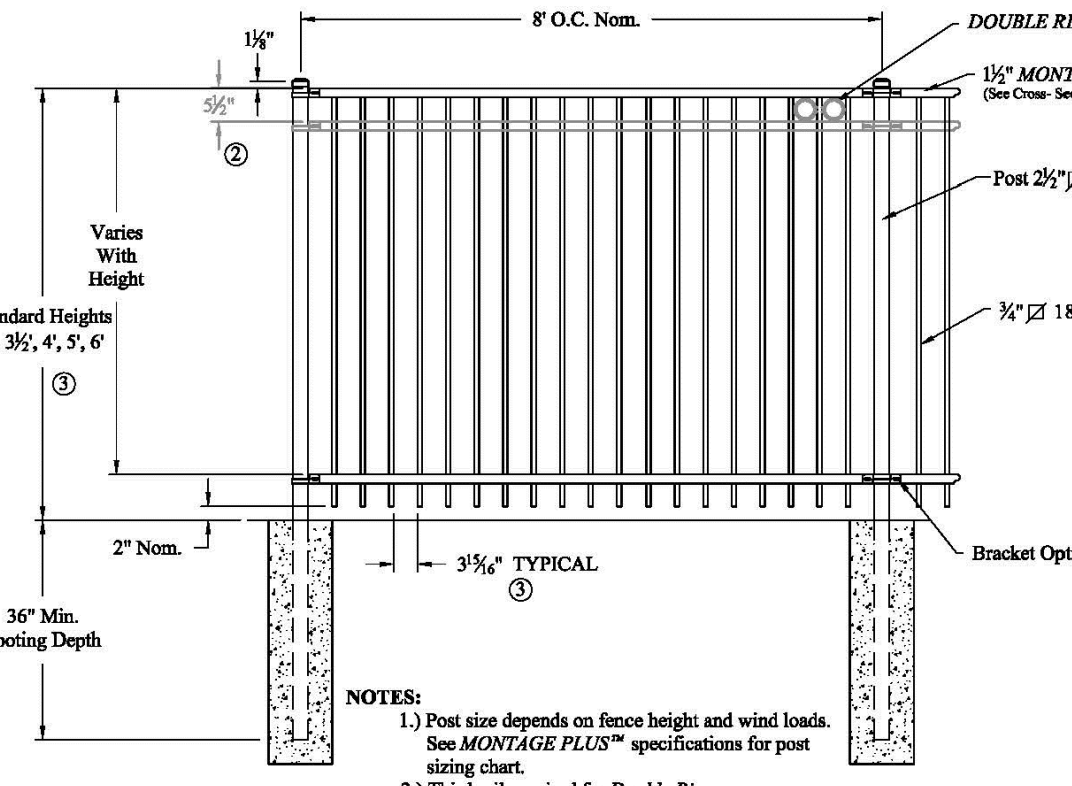
MONTAGE PLUS MAJESTIC 2/3-RAIL SGL & DBL GATE

DR: CI SH: 1of1 SCALE: DO NOT SCALE

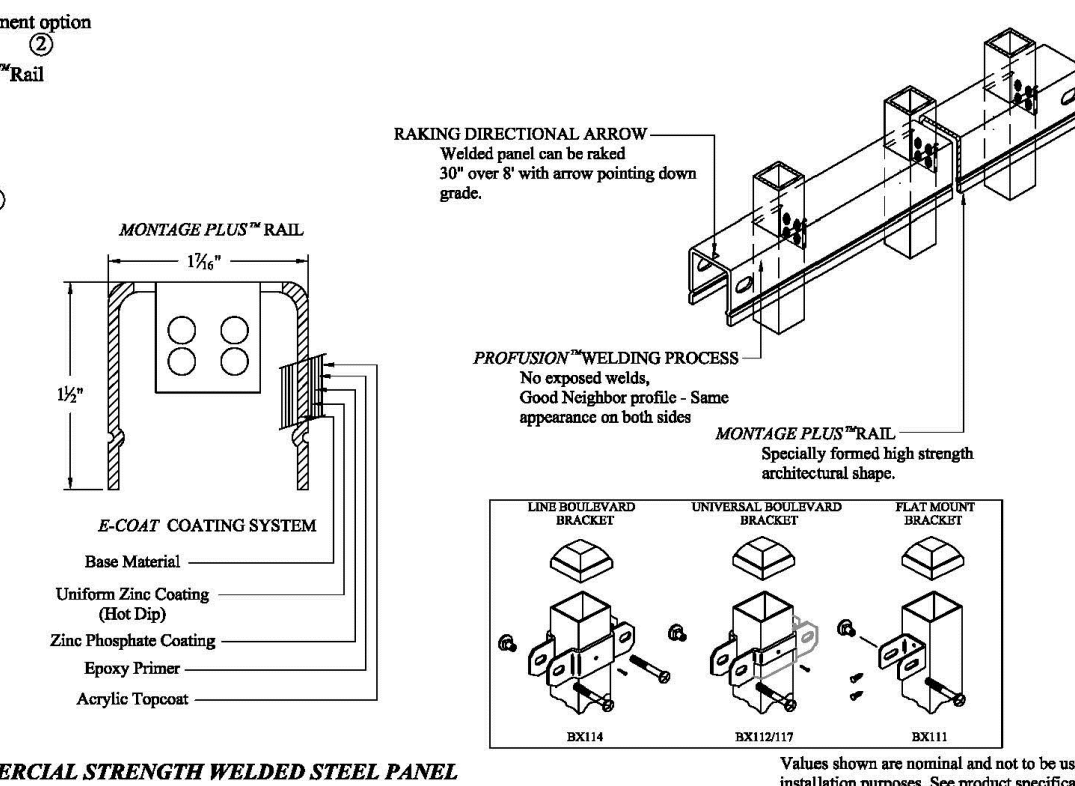
CK: ME Date: 6/28/10 REV: e

1555 N. Mingo Tulsa, OK 74116 1-888-333-3422 www.ameristarfence.com

OUTWARD OPENINGS AWAY FROM POOL. SELF-CLOSING, SELF-LATCHING. DOUBLE GATE SHALL BE INSTALLED, 5' HT.



13 POOL FENCING
SCALE: NTS



13 POOL FENCING
SCALE: NTS

COMMERCIAL STRENGTH WELDED STEEL PANEL

PRE-ASSEMBLED

MONTAGE PLUS MAJESTIC 2/3-RAIL

DR: CI SH: 1of1 SCALE: DO NOT SCALE

CK: ME Date: 6/28/10 REV: e

1555 N. Mingo Tulsa, OK 74116 1-888-333-3422 www.ameristarfence.com

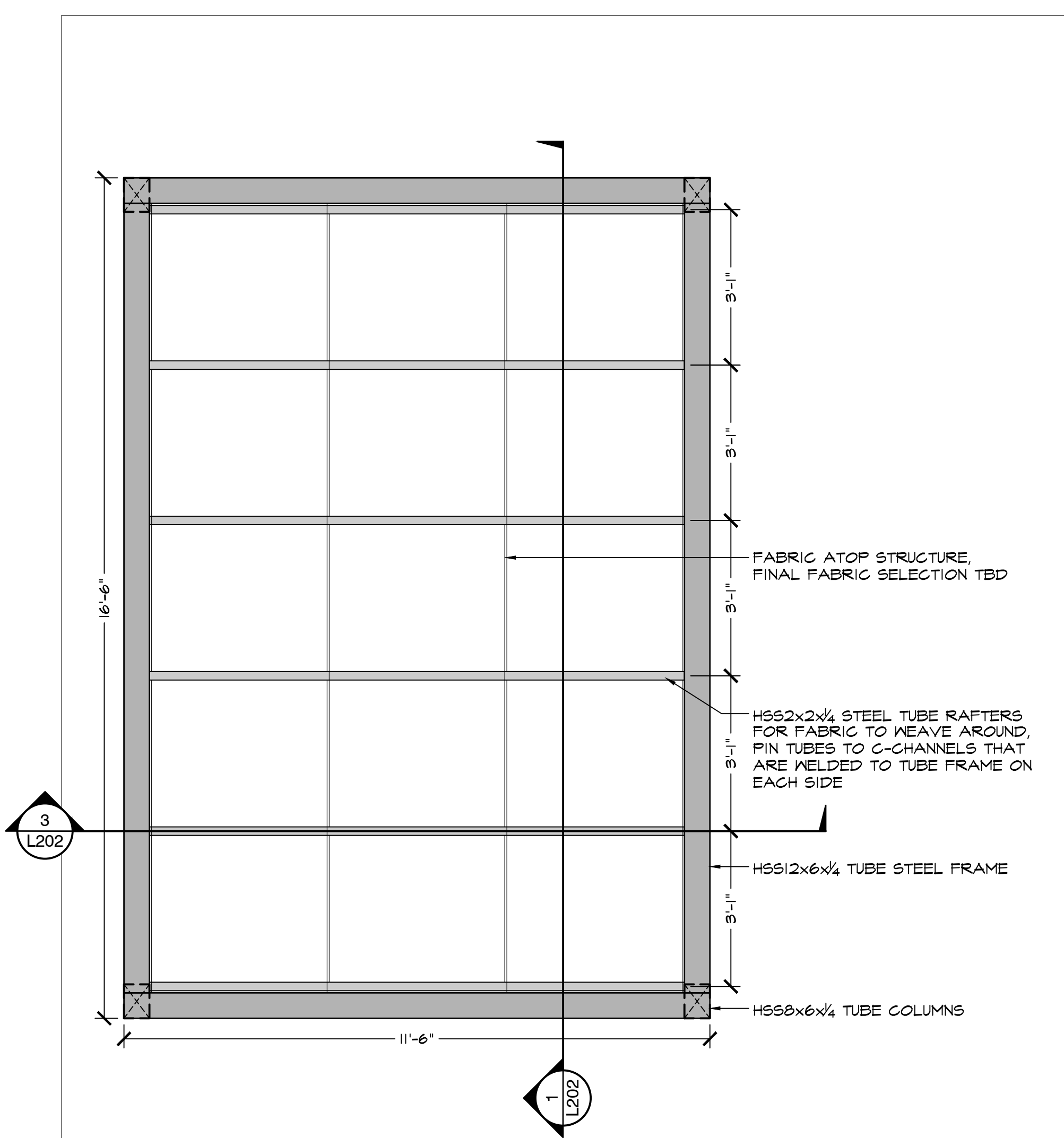
5' HT. BLACK FENCE SUITABLE FOR POOL ENCLOSURE SHALL BE USED AT POOL DECK

REVISION:

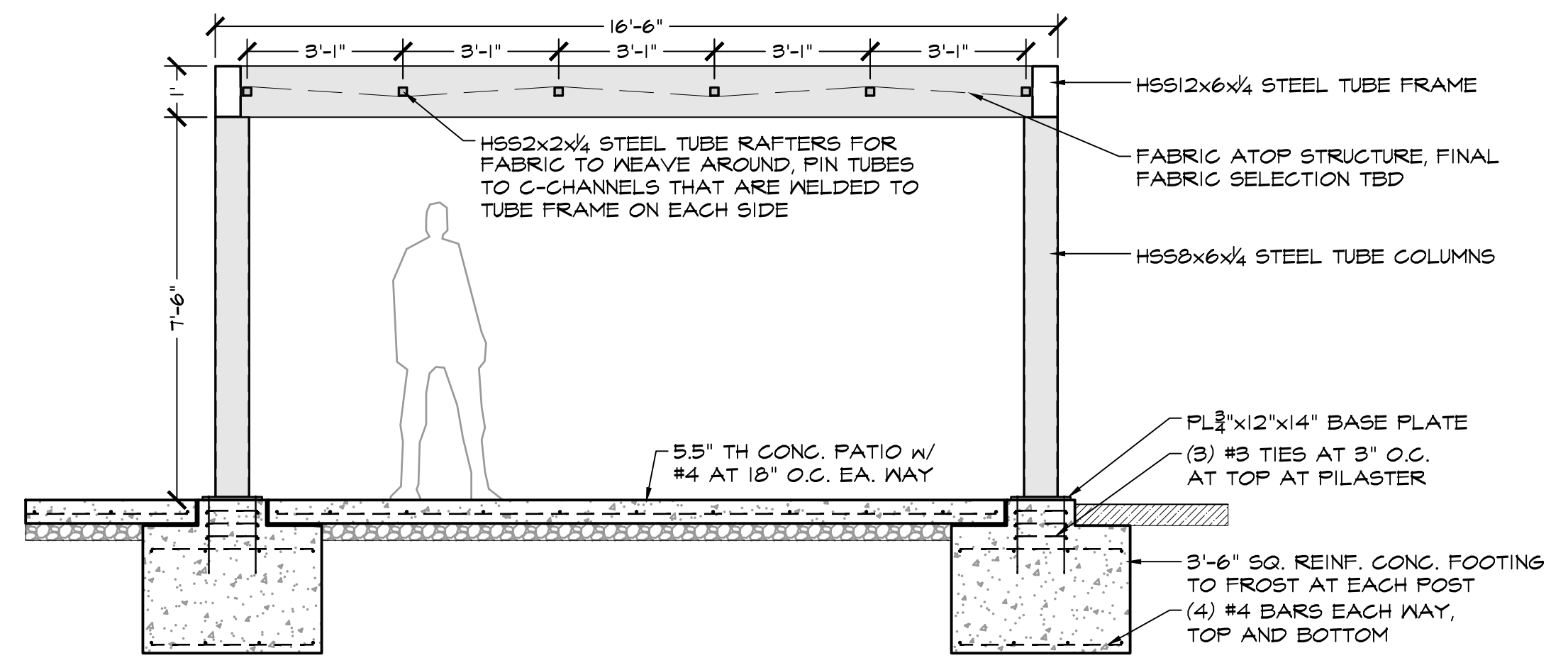
DECEMBER 2, 2021

SITE DETAILS

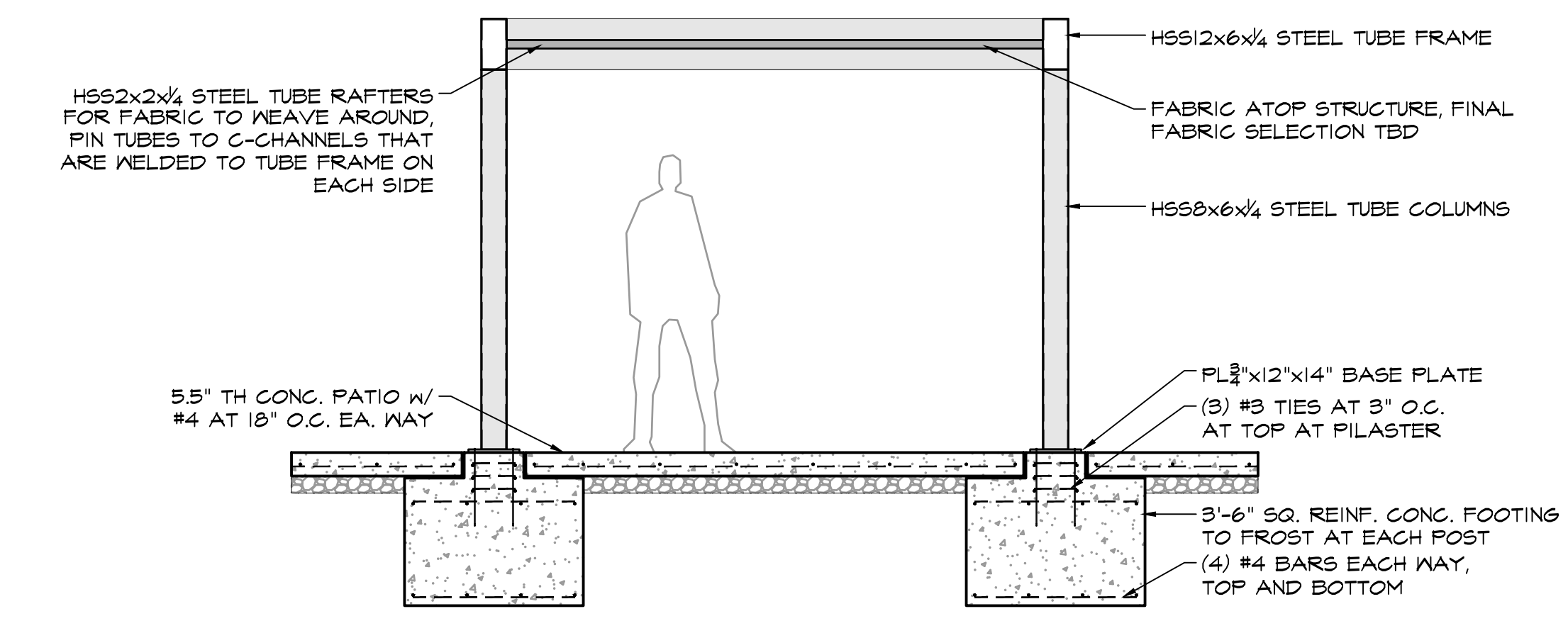
L201



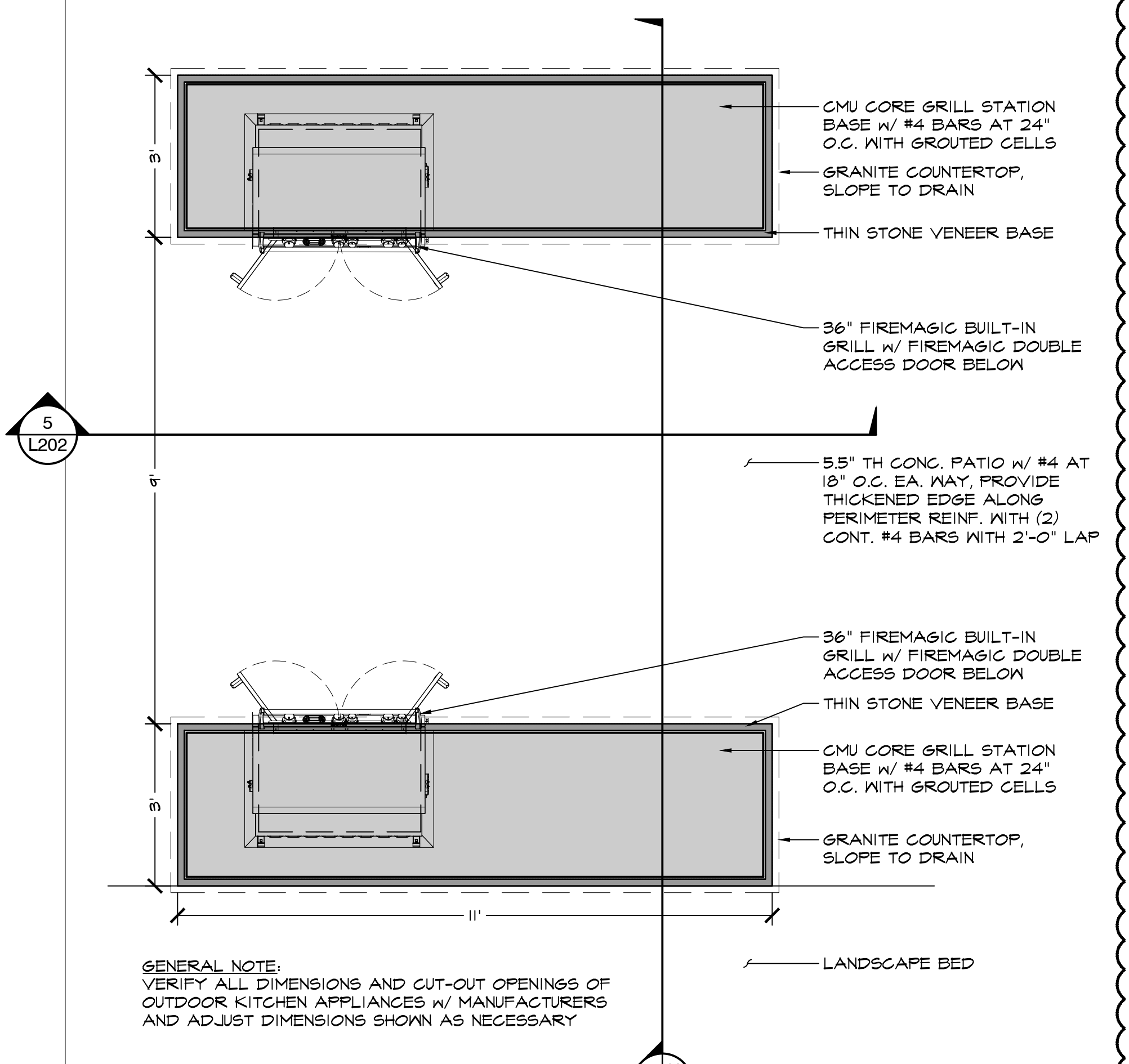
2 SHADE STRUCTURE
SCALE: 1/2" = 1'-0" PLAN



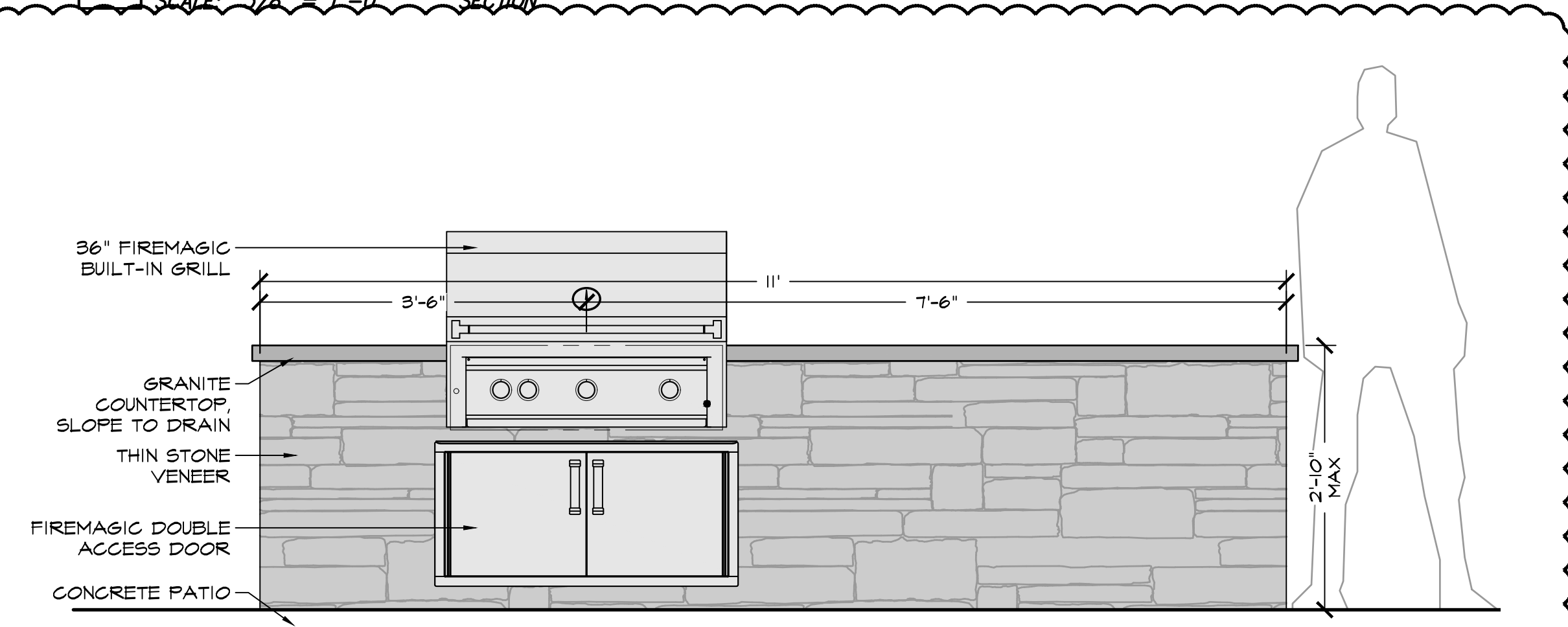
1 SHADE STRUCTURE
SCALE: 3/8" = 1'-0" SECTION



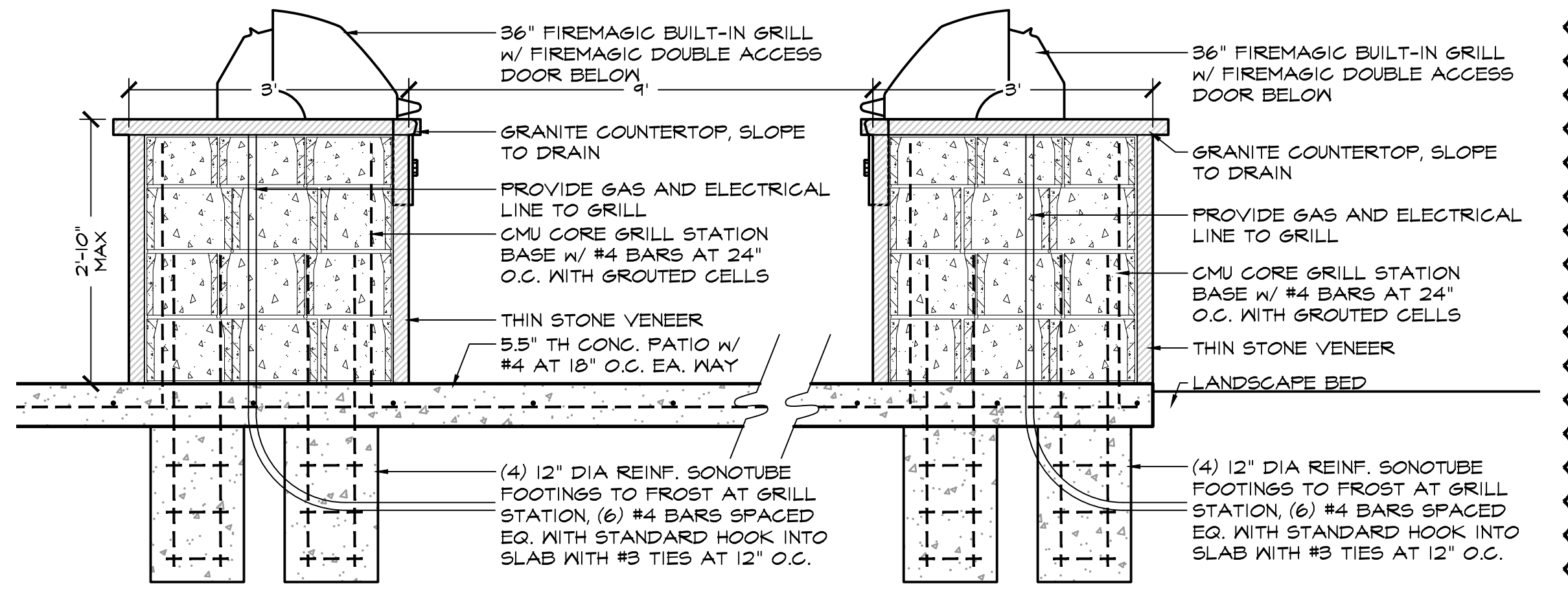
3 SHADE STRUCTURE
SCALE: 3/8" = 1'-0" SECTION



6 GRILL STATION
SCALE: 1/2" = 1'-0" PLAN



5 GRILL STATION
SCALE: 3/4" = 1'-0" ELEVATION



7 GRILL STATION
SCALE: 3/4" = 1'-0" SECTION



NOTES:
THIS IS AN ARTIST'S REPRESENTATION OF THE PROPOSED SHADE STRUCTURE AND DOES NOT INDICATED FINAL DESIGN OF PATIO SPACES



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4 SHADE STRUCTURE VIGNETTE
SCALE: NTS ILLUSTRATIVE VIEW



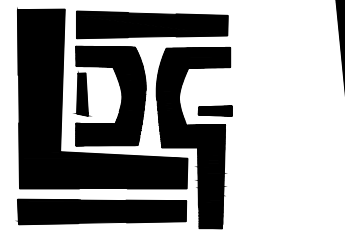
NOTES:
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NOTES:
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8 GRILL STATION VIGNETTE
SCALE: NTS ILLUSTRATIVE VIEW

GENERAL NOTE:
VERIFY ALL DIMENSIONS AND CUT-OUT OPENINGS OF OUTDOOR KITCHEN APPLIANCES w/ MANUFACTURERS AND ADJUST DIMENSIONS SHOWN AS NECESSARY



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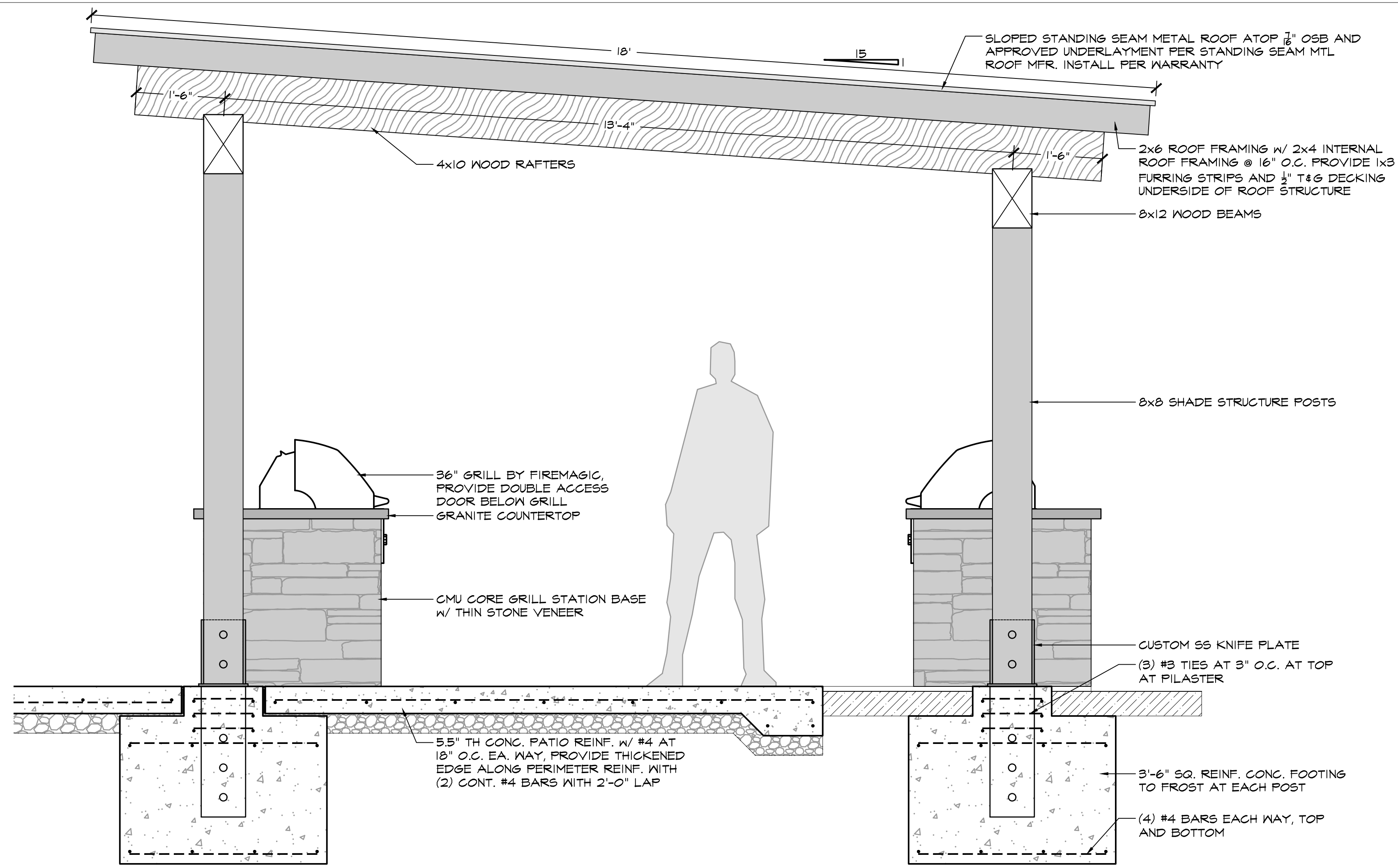
SUMMIT VIEW FARMS
POOL CONSTRUCTION DOCUMENTS
LEE'S SUMMIT, MISSOURI

REVISION:
1 1/10/2022 CITY COMMENTS

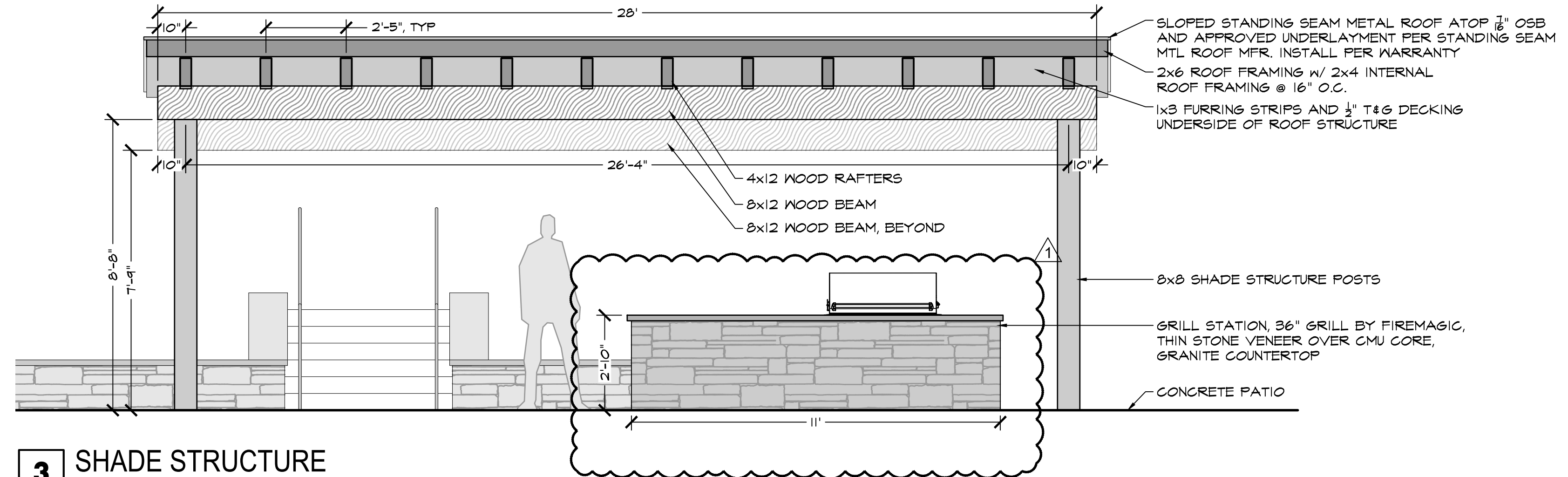
DECEMBER 2, 2021

SITE DETAILS

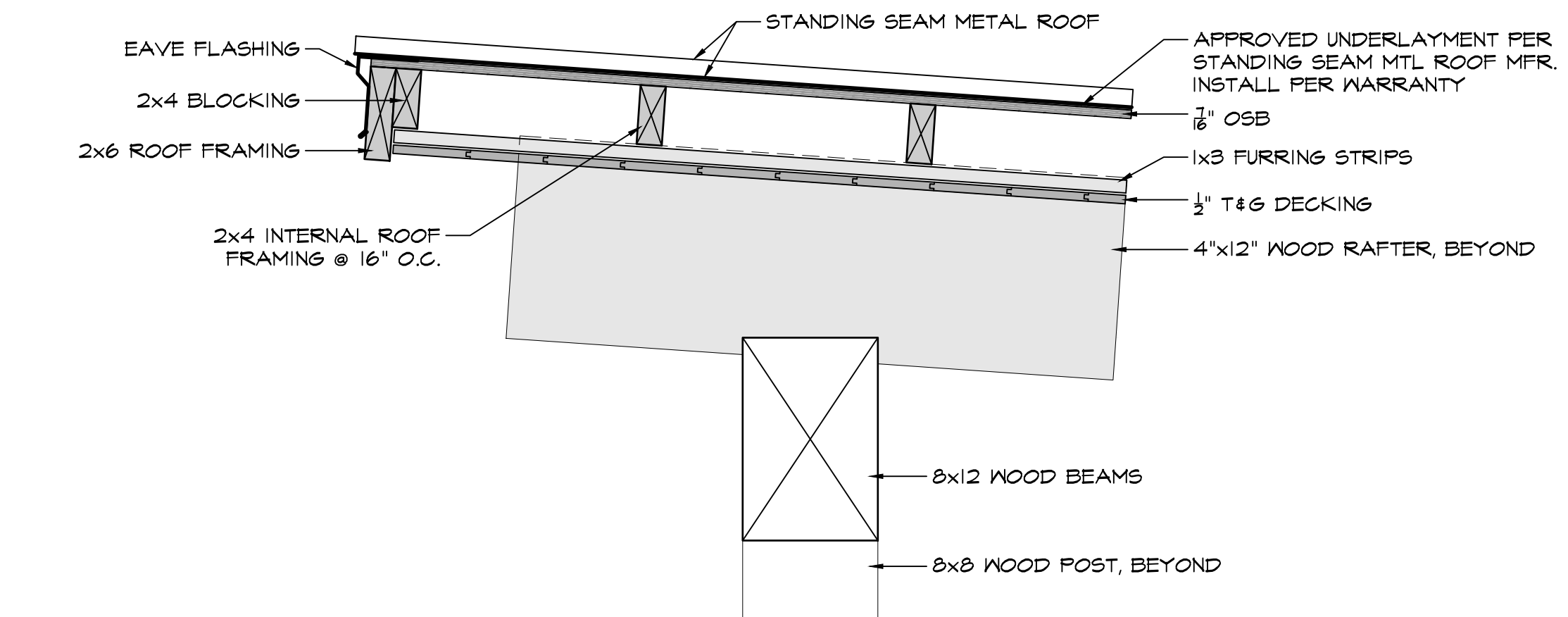
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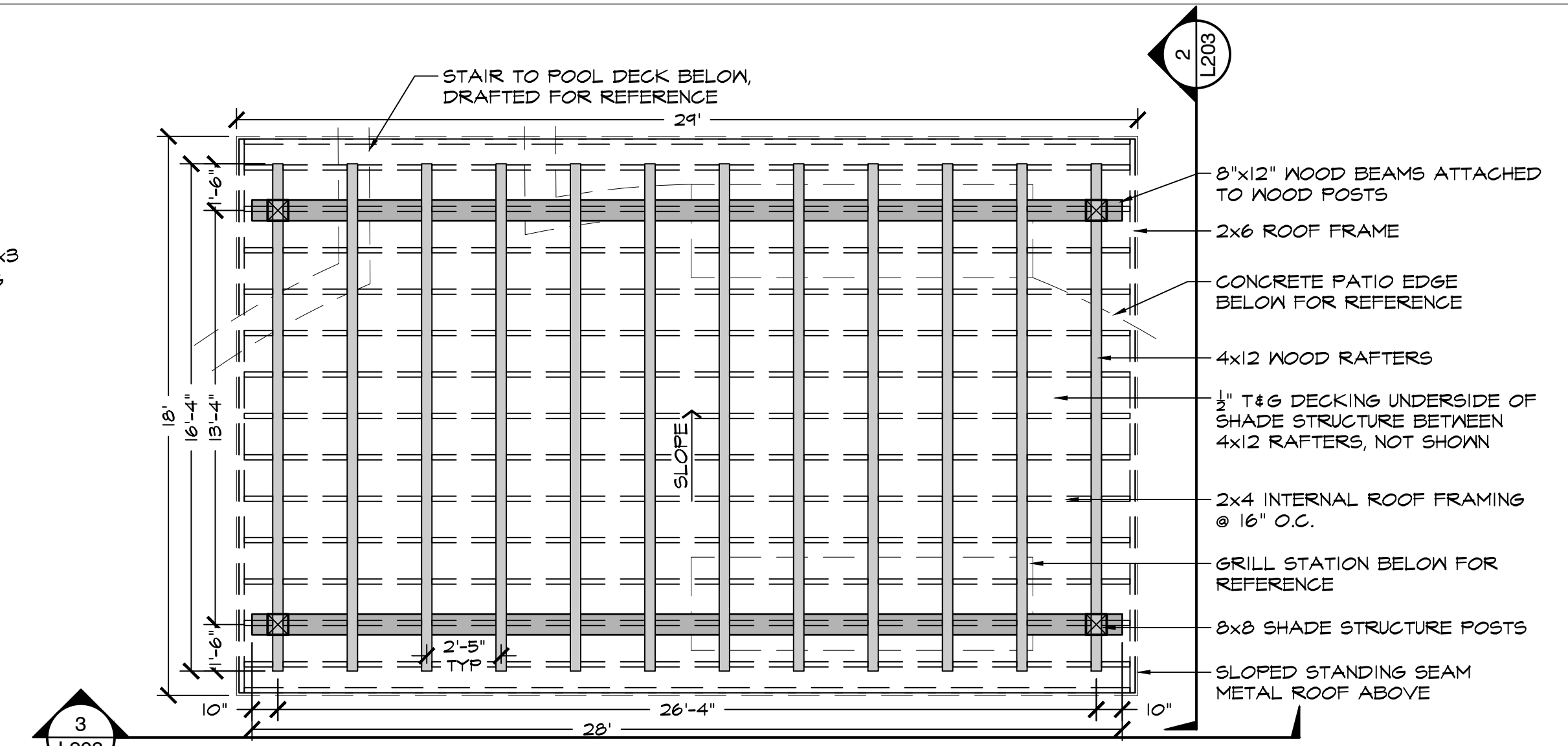
2 SHADE STRUCTURE
SCALE: 3/4" = 1'-0" SECTION



3 SHADE STRUCTURE
SCALE: 3/8" = 1'-0" ELEVATION



5 SHADE STRUCTURE - ROOF
SCALE: 1-1/2" = 1'-0" SECTION

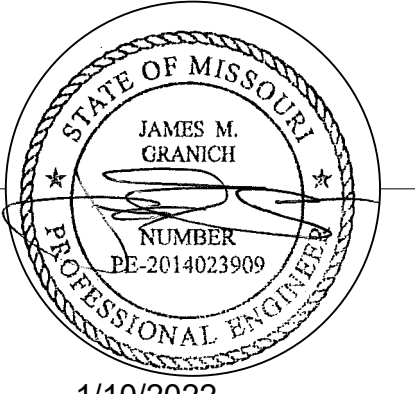


1 SHADE STRUCTURE
SCALE: 1/4" = 1'-0" PLAN



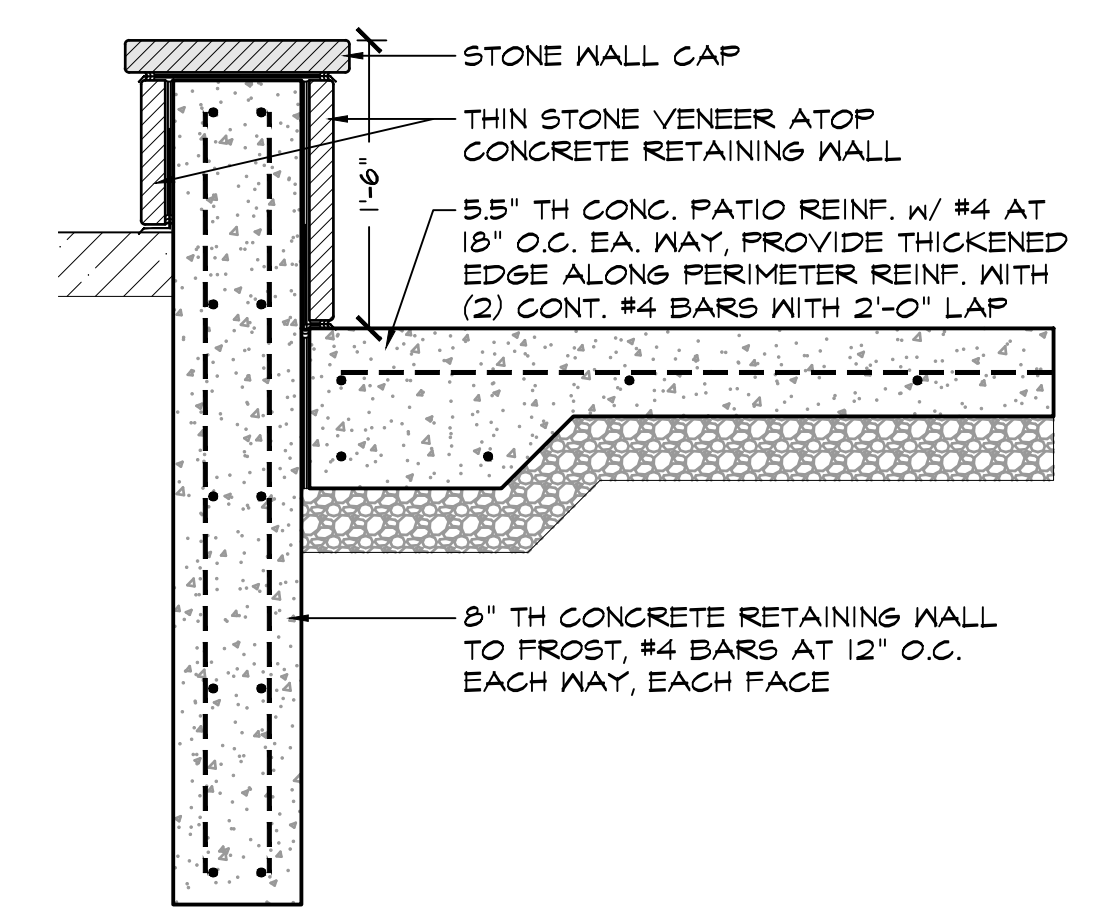
4 SHADE STRUCTURE VIGNETTE
SCALE: NTS ILLUSTRATIVE VIEW

NOTES:
THIS IS AN ARTIST'S REPRESENTATION OF THE PROPOSED SHADE STRUCTURE AND DOES NOT INDICATED FINAL DESIGN OF PATIO SPACES.

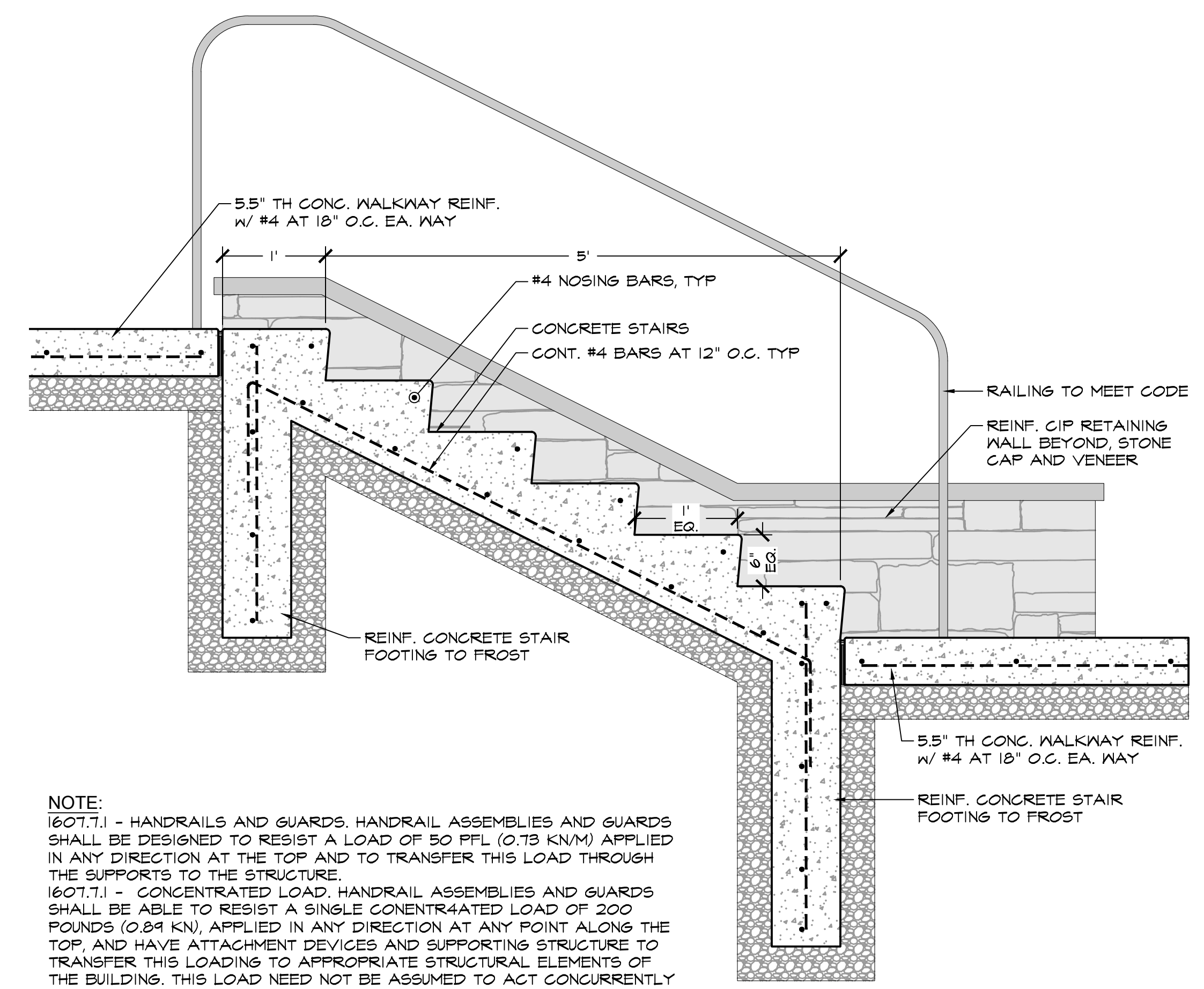


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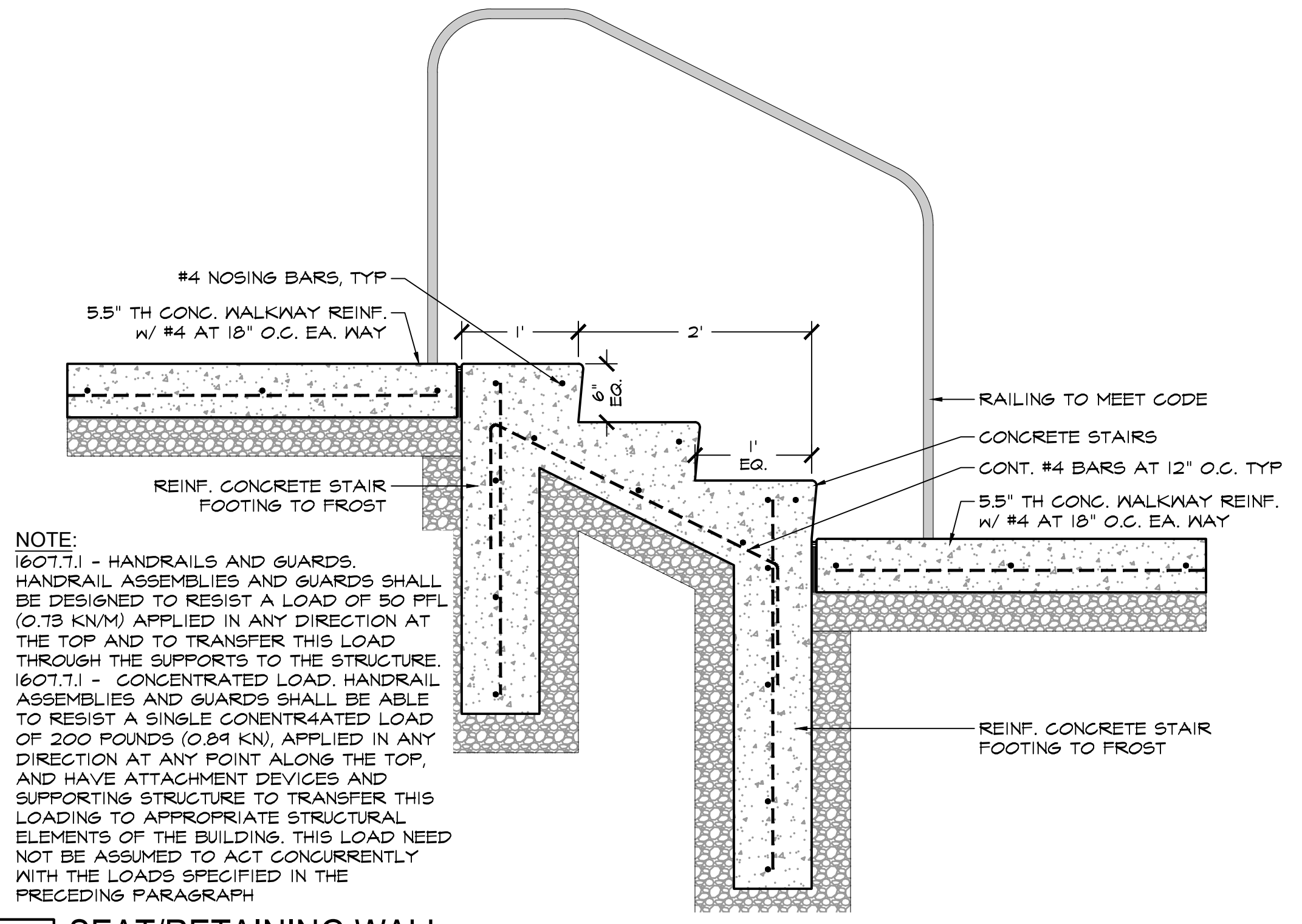
SUMMIT VIEW FARMS
POOL CONSTRUCTION DOCUMENTS
LEE'S SUMMIT, MISSOURI



1 SEAT/RETAINING WALL
SCALE: 1" = 1'-0" SECTION

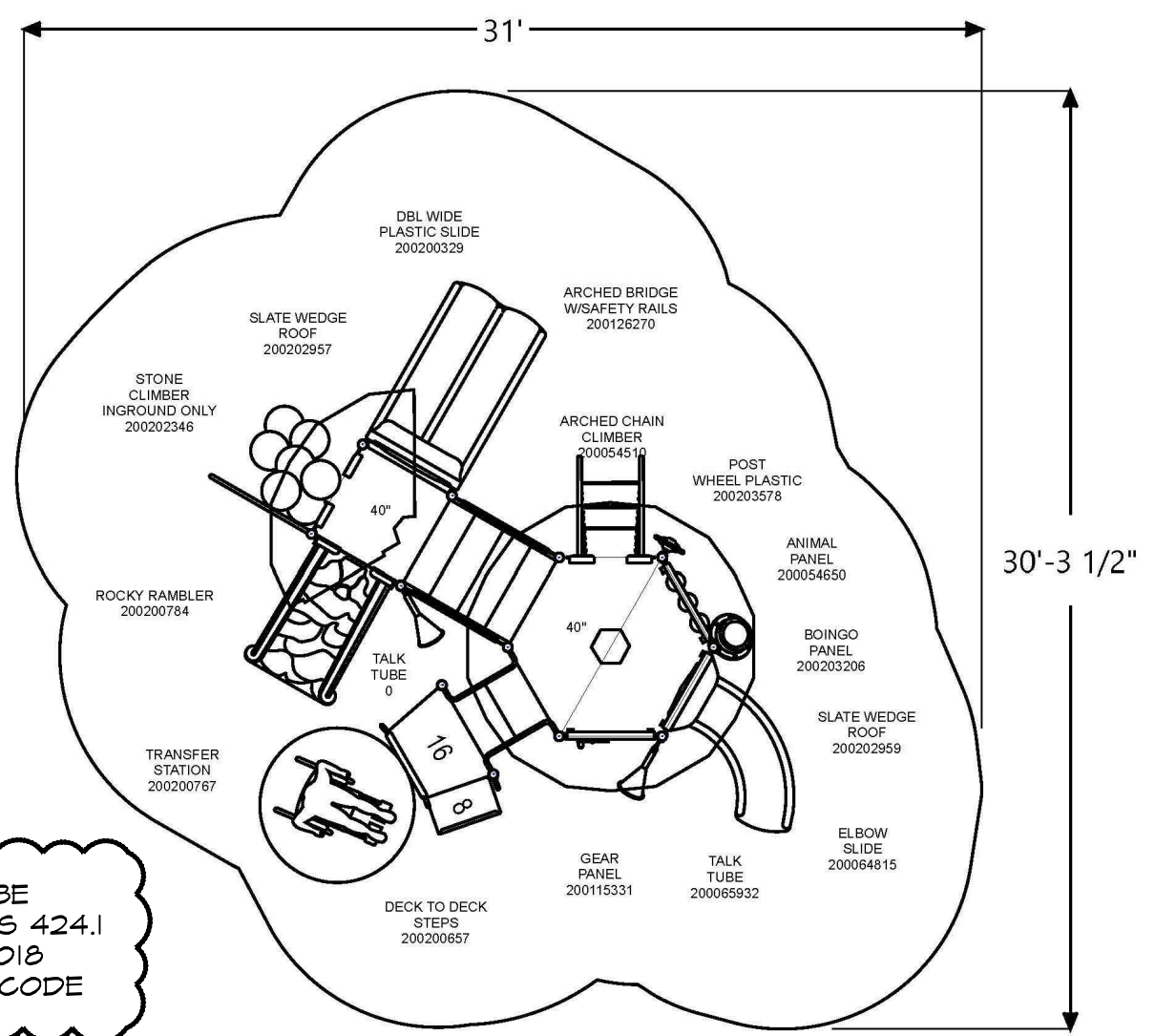


3 CONCRETE STAIRS
SCALE: 1" = 1'-0" SECTION



2 SEAT/RETAINING WALL
SCALE: 1" = 1'-0" SECTION

General Notes:
Age Group
1-3 yrs 3-5 yrs 5-12 yrs 12-17 yrs 17-21 yrs
1. The designer has selected a play structure that complies with the applicable codes and standards for public use playground equipment.
2. All play structure equipment to be installed on-site must be installed on a properly prepared and maintained play surface.
3. The designer is not responsible for the proper installation and maintenance of the play structure equipment.
4. The designer is not responsible for the proper installation and maintenance of the play structure equipment.
5. The designer is not responsible for the proper installation and maintenance of the play structure equipment.
6. The designer is not responsible for the proper installation and maintenance of the play structure equipment.
7. The designer is not responsible for the proper installation and maintenance of the play structure equipment.
8. The designer is not responsible for the proper installation and maintenance of the play structure equipment.



PLAY STRUCTURE SHALL BE COMPLIANT WITH SECTIONS 424.1 THROUGH 424.5 OF THE 2018 INTERNATIONAL BUILDING CODE

Playground Layout Compliance: ASTM F1487 - Playground Equipment for Public Use. CPSC Handbook for Public Playground Safety. This playground design meets the Final Access Board Regulations.

LEED points for this structure: 1

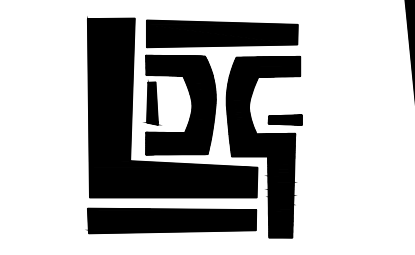
4 PLAYGROUND LAYOUT
SCALE: NTS MANUF. SPECS

NOTE:
1607.7.1 - HANDRAILS AND GUARDS. HANDRAIL ASSEMBLIES AND GUARDS SHALL BE DESIGNED TO RESIST A LOAD OF 50 PFL (0.73 KN/M) APPLIED IN ANY DIRECTION AT THE TOP AND TO TRANSFER THIS LOAD THROUGH THE SUPPORTS TO THE STRUCTURE.
1607.7.1 - CONCENTRATED LOAD. HANDRAIL ASSEMBLIES AND GUARDS SHALL BE ABLE TO RESIST A SINGLE CONCENTRATED LOAD OF 200 POUNDS (0.89 KN), APPLIED IN ANY DIRECTION AT ANY POINT ALONG THE TOP, AND HAVE ATTACHMENT DEVICES AND SUPPORTING STRUCTURE TO TRANSFER THIS LOADING TO APPROPRIATE STRUCTURAL ELEMENTS OF THE BUILDING. THIS LOAD NEED NOT BE ASSUMED TO ACT CONCURRENTLY WITH THE LOADS SPECIFIED IN THE PRECEDING PARAGRAPH.

REVISION:
1/11/2022 CITY COMMENTS

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SITE DETAILS

L204



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LANDSCAPE PLAN

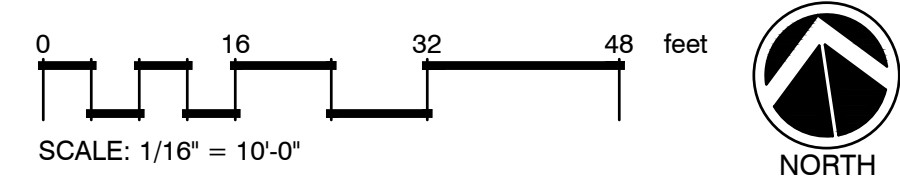
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PLANT SCHEDULE

TREES	CODE	BOTANICAL / COMMON NAME	SIZE	CONTAINER
	AF	Acer x freemanii / Freeman Maple	3" Cal.	B&B
	TC	Tilia cordata / Littleleaf Linden	3" Cal.	B&B
	UC	Ulmus x 'Frontier' / Frontier Hybrid Elm	3" Cal.	B&B
	ZG	Zelkova serrata 'Green Vase' / Green Vase Sawleaf Zelkova	3" Cal.	B&B
EVERGREEN TREES	CODE	BOTANICAL / COMMON NAME	SIZE	CONTAINER
	CG	Cedrus atlantica 'Glauca Fastigiata' / Blue Columnar Atlas Cedar	8"-9" ht.	B&B
	PF	Pinus strobus 'Fastigiata' / Pyramidal White Pine	8"-9" ht.	B&B
ORNAMENTAL TREES	CODE	BOTANICAL / COMMON NAME	SIZE	CONTAINER
	AG	Amelanchier x grandiflora 'Autumn Brilliance' / Autumn Brilliance Serviceberry	3" Cal.	B&B
	SS	Syringa reticulata 'Summer Snow' / Summer Snow Japanese Tree Lilac	3" Cal.	B&B
SHRUBS	CODE	BOTANICAL / COMMON NAME	SIZE	CONTAINER
	AS	Aronia melanocarpa 'UGONNAMO12' TM / Ground Hog Spreading Chokeberry	#3	
	HL2	Hydrangea paniculata 'Limelight' / Limelight Panicle Hydrangea	#5	
	HL	Hydrangea paniculata 'Little Lime' / Little Lime Hydrangea	#3	
	JL	Juniperus chinensis 'Gold Lace' / Gold Lace Juniper	#5, 24" ht. min.	
	R6	Rhus aromatica 'Gro-Low' / Gro-Low Fragrant Sumac	#3	
	VM	Viburnum dentatum 'Blue Muffin' / Blue Muffin Viburnum	#5, 24" ht. min.	
GRASSES	CODE	BOTANICAL / COMMON NAME	SIZE	CONTAINER
	ST	Sporobolus heterolepis 'Tara' / Prairie Dropseed	#2	

LANDSCAPE PLAN
SCALE: 1/16"=1'-0"



PLANT SIZE REQUIREMENTS (FOR THOSE PLANTS SATISFYING LEE'S SUMMIT REQUIREMENTS)

LANDSCAPE MATERIAL	SIZE REQUIREMENT (AT TIME OF PLANTING)
MEDIUM SHRUBS	18"-24" B&B OR 2-GAL. CONTAINER
LARGE SHRUBS	24"-30" B&B OR 5-GAL. CONTAINER
GROUND COVER	2 1/2" PEA POT
DECIDUOUS TREES	3" CALIFER
EVERGREEN TREES	8" HT. MIN.

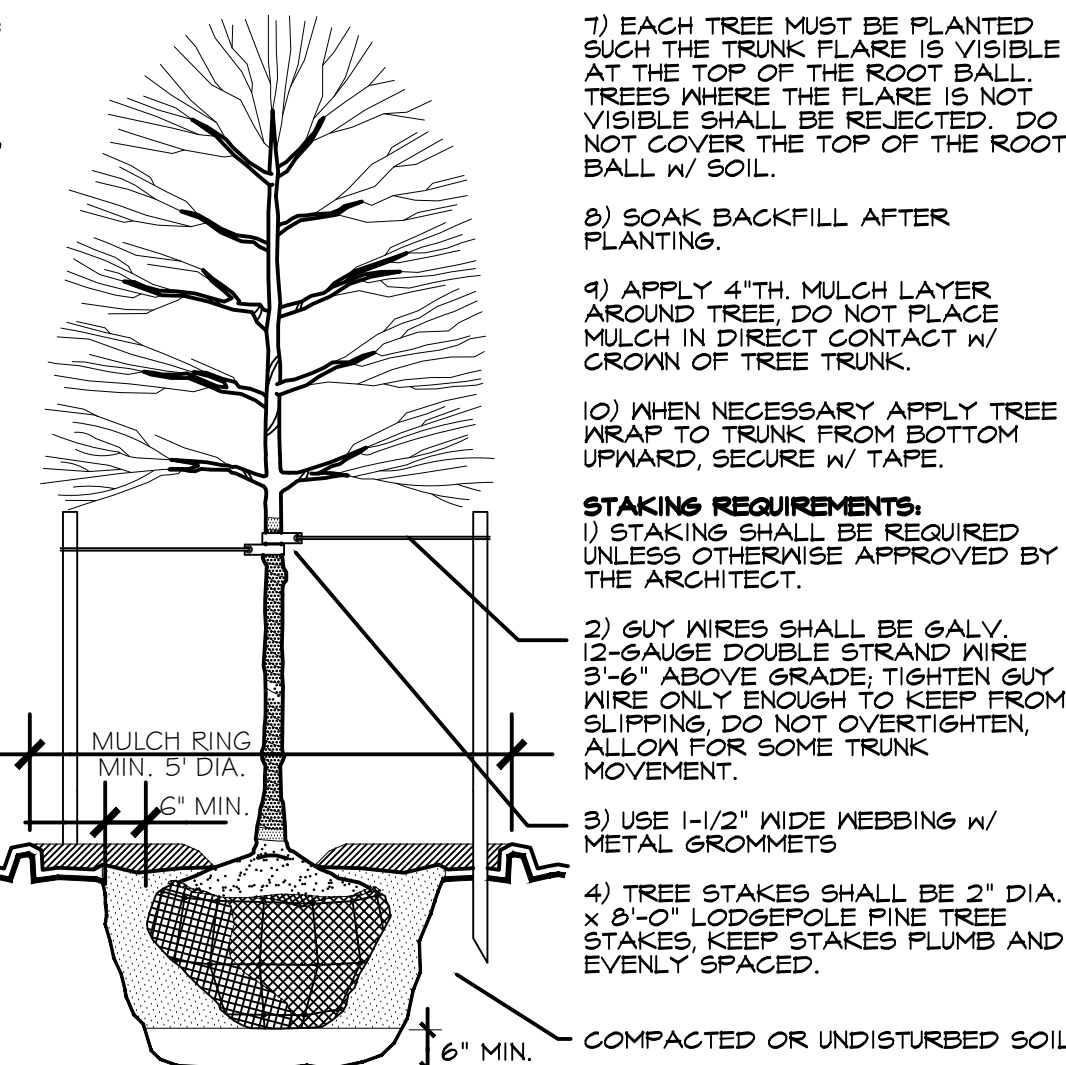
LEE'S SUMMIT LANDSCAPE REQUIREMENTS

CODE REQUIREMENT	DESCRIPTION	CALCULATION	PLANTING REQUIRED	PLANTING PROVIDED
SECTION 6.190(A) - PROVIDE 1 STREET TREE PER 30 LF OF STREET FRONTAGE				
	- PROVIDE 1 TREE / 30 LF OF STREET FRONTAGE	- 275 LF FRONTAGE ALONG SW KLINE AVE / 30 = 9.2 - 185 LF FRONTAGE ALONG SW SUMMIT VIEW TRL / 30 = 6.2	- 10 STREET TREES REQUIRED ALONG SW KLINE AVE - 5 STREET TREES REQUIRED ALONG SW SUMMIT VIEW TRL	- 10 STREET TREES PROVIDED ALONG SW KLINE AVE - 5 STREET TREES PROVIDED ALONG SW SUMMIT VIEW TRL
SECTION 6.190(B) - PROVIDE 2 SHRUBS PER 5,000 SF OF TOTAL LOT AREA AND 1 TREE PER 5,000 SF OF LOT AREA NOT COVERED BY BUILDINGS OR STRUCTURES				
	PROVIDE 2 SHRUBS PER 5,000 SF OF TOTAL LOT AREA AND 1 TREE PER 5,000 SF OF LOT AREA NOT COVERED BY BUILDINGS OR STRUCTURES	44,842-463 SF BUILDING = 48,956 SF (48,956 SF SITE / 5,000) = 9.79 (48,956 SF SITE / 5,000) x 2 = 19.58	10 OPEN SPACE TREES REQUIRED 20 OPEN SPACE SHRUBS REQUIRED	10 OPEN SPACE TREES PROVIDED 68 OPEN SPACE SHRUBS PROVIDED
SECTION 6.820 - PROVIDE SCREENING OF THE PARKING WHERE VISIBLE FROM THE R.O.M. TO A HEIGHT OF 2.5 FEET. SCREEN SHALL CONSIST OF A HEDGE PLANTED WITH 12 SHRUBS PER 40 LF. SHRUBS SHALL BE 18" AT THE TIME OF PLANTING.				
	PROVIDE 12 SHRUBS/40 LF ALONG PARKING FACING SW KLINE AVE & SW SUMMIT VIEW TRL	(175 LF PARKING LOT FRONTAGE / 40) x 12 = 53	53 SHRUBS REQUIRED	56 SHRUBS PROVIDED
SECTION 6.510 - PROVIDE A MEDIUM IMPACT SCREEN LOCATED ON A 3-FOOT TALL BERM ALONG ANY COMMON PROPERTY LINE SHARED WITH A RESIDENTIAL DWELLING. PROVIDE 1 SHADE TREE/300 SF, 1 ORNAMENTAL TREE/150 SF, 1 EVERGREEN TREE/300 SF AND 1 SHRUB/200 SF				
	PROVIDE 1 SHADE TREE/300 SF, 1 ORNAMENTAL TREE/150 SF, 1 EVERGREEN TREE/300 SF, 1 SHRUB/200 SF ALONG NORTH PROPERTY LINE	4,522 SF BUFFER / 300 = 15.07 4,522 SF BUFFER / 150 = 30.15 4,522 SF BUFFER / 200 = 22.61	1 SHADE TREES REQUIRED 6 ORNAMENTAL TREES REQUIRED 15 EVERGREEN TREES REQUIRED 22 SHRUBS REQUIRED	1 SHADE TREES PROVIDED 6 ORNAMENTAL TREES PROVIDED 15 EVERGREEN TREES PROVIDED 26 SHRUBS PROVIDED

GENERAL NOTES

1. THE LANDSCAPE CONTRACTOR SHALL READ ALL LANDSCAPE PLANS, SPECIFICATIONS AND VISIT THE PROJECT SITE TO BECOME FAMILIAR WITH EXISTING CONDITIONS PRIOR TO BIDDING THIS PROJECT.
2. ANY AND ALL QUESTIONS CONCERNING THE LANDSCAPE PLANS AND SPECIFICATIONS SHALL BE DIRECTED TO THE LANDSCAPE ARCHITECT.
3. THE LANDSCAPE CONTRACTOR IS TO VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES (INCLUDING THOSE INDICATED ON THE PLAN) PRIOR TO INSTALLATION OF PLANT MATERIAL.
4. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING, MULCHING, AND OTHER REQUIREMENTS OF PLANT MATERIALS WHILE THEY ARE TEMPORARILY STORED ON OR OFF SITE.
5. THE LANDSCAPE CONTRACTOR SHALL COORDINATE LAYOUT OF PLANTING BEDS, PLANT MASSING, STAKED LOCATION OF TREES AND INSTALLATION OF PLANT MATERIAL WITH LANDSCAPE ARCHITECT PRIOR TO COMMENCEMENT OF WORK.
6. ALL PLANT MATERIAL (EXCEPT SHADE TREES) IS DELINEATED AT MATURE SIZE OF PLANT MATERIAL. SHADE TREES ARE DELINEATED AT 85% OF ACTUAL MATURE SIZE.
7. ALL LANDSCAPE MATERIAL SHALL MEET THE AMERICAN STANDARD FOR NURSERY STOCK (ANSI Z60.1-1996) PER THE AMERICAN ASSOCIATION OF NURSERYMEN.
8. PER OWNER'S DIRECTION, THE LANDSCAPE ARCHITECT RESERVES THE RIGHT TO INSPECT ALL PLANT MATERIAL AT THE NURSERY, PRIOR TO SELECTION OR DIGGING.
9. CONDUCT PLANTING UNDER FAVORABLE WEATHER CONDITIONS DURING EITHER THE SPRING PLANTING SEASON, MARCH 1 TO JUNE 1, OR THE FALL PLANTING SEASON, SEPTEMBER 30 UNTIL FREEZING OF THE GROUND. DURING THE FALL PLANTING SEASON, CONIFEROUS MATERIAL PLANTING SHALL BE CONDUCTED AUGUST 15 TO OCTOBER 1. DEVIATION FROM THE ABOVE PLANTING DATES WILL ONLY BE PERMITTED WITH APPROVAL IN WRITING BY THE LANDSCAPE ARCHITECT.
10. THE PLANTING SOIL MIXTURE FOR ALL TREE PLANTINGS SHALL INCLUDE SOIL EXCAVATED FROM THE HOLE. RATIO: 50% VIRGIN SOIL + 50% AMENDED TOP SOIL.
11. ROOT STIMULATOR SHALL BE APPLIED TO ALL PLANT MATERIALS WITH THE EXCEPTION OF LAWN AREAS. APPLY AS PER THE MANUFACTURER'S SPECIFICATIONS.
12. THE LANDSCAPE CONTRACTOR SHALL RESTORE FINISH GRADES IN ALL PLANTING AREAS (PER GRADING PLANS) WHICH MAY HAVE BEEN DISTURBED DURING PLANTING OPERATIONS.
13. ALL TREE SAUCERS AND PLANTING BEDS ARE TO BE MULCHED WITH A MINIMUM OF 3" DOUBLE-GROUND HARDWOOD MULCH (COLOR DYED DARK BROWN). LANDSCAPE CONTRACTOR TO PROVIDE MULCH SAMPLE TO LANDSCAPE ARCHITECT FOR REVIEW PRIOR TO INSTALLATION. WHERE PLANTING BEDS ARE ADJACENT TO WALKS AND CURBS THE SOIL LEVEL SHALL BE 3" LOWER TO ALLOW FOR MULCH LAYER, WHERE SOD IS INDICATED, ITS THICKNESS SHALL ALSO BE ACCOUNTED FOR SO THAT THE SOIL SURFACE IN THE SOD IS 1/2" BELOW THE HARDSCAPE SURFACE.
14. ALL SHRUB/PERENNIAL PLANTING BEDS SHALL BE TREATED WITH A PRE-EMERGENT HERBICIDE SUCH AS TRIFLAN OR EQUAL. APPLY PER MANUFACTURER'S SPECIFICATIONS. THE PRE-EMERGENT SHALL NOT BE APPLIED UNTIL AFTER ALL PLANTING WITHIN THESE AREAS IS COMPLETE, BUT BEFORE THESE AREAS ARE MULCHED. DO NOT DISTURB AREAS AFTER APPLICATION. WATER IN AS DIRECTED.
15. MULCH, STAKES, GUY WIRE, PRE-EMERGENT HERBICIDES, ETC. SHALL BE SUBSIDIARY TO INDIVIDUAL PLANTS.
16. ALL SLOPES THAT EXCEED A 3:1 GRADE SHALL BE PROTECTED WITH AN EROSION CONTROL BLANKET WITH NORTH AMERICAN GREEN S150. INSTALL PER THE MANUFACTURER'S SPECIFICATIONS.
17. LABEL EACH TREE AND SHRUB WITH A SECURELY ATTACHED, WATERPROOF TAG BEARING LEGIBLE DESIGNATION OF BOTH BOTANICAL AND COMMON NAME. LABEL EACH ORNAMENTAL GRASS, GROUNDCOVER, PERENNIAL AND ANNUAL WITH THE LABEL PROVIDED BY THE ORIGINAL GROWER OF THE PLANT. LABELS SHALL NOT BE REMOVED UNTIL AFTER PROVISIONAL ACCEPTANCE BY LANDSCAPE ARCHITECT.
18. STAKES AND GUY WIRES SHALL BE REMOVED AT THE END OF ONE FULL GROWING SEASON.
19. LOOSEN SOIL FOR ALL PLANTING ISLANDS AND SHRUB/PERENNIAL BEDS TO A DEPTH OF 12". ALL AREAS DENOTED AS SOD (LAWN AREAS) SHALL HAVE A 6" MINIMUM TOPSOIL LAYER. TOPSOIL SHALL BE LAID IN 3" LIFTS. IN AREAS WHERE CONSTRUCTION GRADING HAS NOT OCCURRED AND THE VIRGIN GRADES YET EXIST, THE TOPSOIL LAYER MAY NOT BE REQUIRED BASED ON THE DECISION OF THE LANDSCAPE ARCHITECT.
20. TOPSOIL SHALL BE FERTILE NATURAL TOPSOIL, TYPICAL OF THE LOCALITY, OBTAINED FROM WELL DRAINED AREAS. STOCKPILED TOPSOIL MAY BE USED. IT SHALL BE WITHOUT ADMIXTURE OF SUBSOIL OR SLAG AND SHALL BE FREE OF STONES, LUMPS, STICKS, PLANTS OR THEIR ROOTS, TOXIC SUBSTANCES OR OTHER EXTRANEOUS MATTER THAT MAY BE HARMFUL TO PLANT GROWTH OR WOULD INTERFERE WITH FUTURE MAINTENANCE. TOPSOIL PH RANGE SHALL BE 5.5 TO 7.0.
21. THERE SHALL BE NO ADDITIONS, DELETIONS OR SUBSTITUTION OF PLANT MATERIAL SPECIES WITHOUT THE WRITTEN APPROVAL BY THE OWNER OR LANDSCAPE ARCHITECT. ANY SUBSTITUTION THAT HAS NOT BEEN APPROVED SHALL BE REMOVED AND REPLACED WITH THE CORRECT PLANT AT LANDSCAPE CONTRACTOR'S EXPENSE.
22. IN THE CONDITION WHERE THE PLANT MATERIAL HAS BEEN SUPPLIED BY THE OWNER THROUGH A PLANT PROCUREMENT PROGRAM WITH A MYKE PRO 2-YEAR WARRANTY, THE LANDSCAPE CONTRACTOR'S WARRANTY OF PLANT MATERIAL SHALL BEGIN FROM THE TIME OF HANDLING PLANT MATERIAL AT TIME OF DELIVERY THROUGH INSTALLATION AND END AFTER SUBSTANTIAL COMPLETION AND FINAL PUNCH-LIST APPROVAL BY LANDSCAPE ARCHITECT.
23. THE LANDSCAPE CONTRACTOR WILL BE RESPONSIBLE FOR THE COLLECTION, REMOVAL, AND PROPER DISPOSAL OF ANY AND ALL DEBRIS GENERATED DURING THE INSTALLATION OF THE LANDSCAPE CONSTRUCTION.
24. IRRIGATION SYSTEM SHALL UTILIZE A RAIN SENSOR. DRIP IRRIGATION SHALL BE UTILIZED AT LANDSCAPE BEDS.
25. COORDINATE WITH THE OWNER AND GENERAL CONTRACTOR FOR SLEEVE LOCATIONS AND TIMING OF SLEEVE INSTALLATION. ALL SLEEVING REQUIRED UNDER HARDSCAPE SURFACES FOR THE IRRIGATION SYSTEM SHALL BE THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR.
26. COORDINATE LANDSCAPE PLANTING WITH IRRIGATION CONTRACTOR. THE TREE PLANTINGS SHALL BE IN PLACE BEFORE IRRIGATION LINE ROUTING BEGINS. WATER TREES BY HAND UNTIL IRRIGATION SYSTEM IS FULLY FUNCTIONAL. SHRUBS AND PERENNIALS SHALL NOT BE INSTALLED UNTIL THE IRRIGATION SYSTEM IS FULLY FUNCTIONAL. THE IRRIGATION SYSTEM SHALL BE COMPLETE AND FULLY FUNCTIONAL BEFORE SOD IS PLACED.

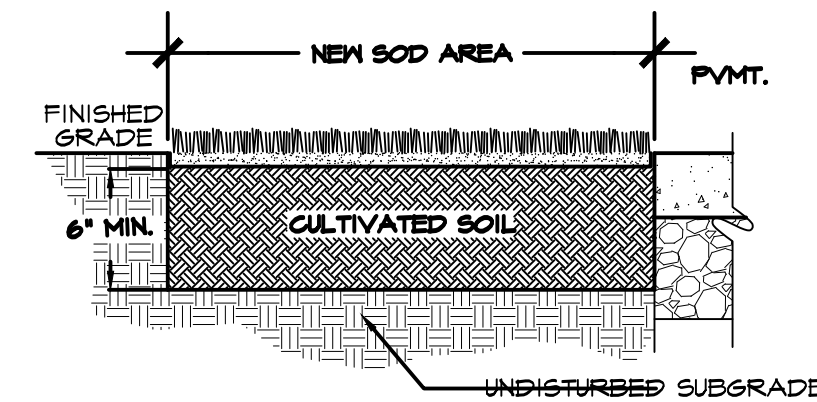
DECIDUOUS TREE PLANTING NOTES:
 1) DO NOT HEAVILY PRUNE THE TREE AT PRUNING. PRUNE ONLY CROSSOVER LIMBS, CO-DOMINANT LEADERS & UNBROKEN OR DEAD BRANCHES. SOME INTERIOR TWIGS & LATERAL BRANCHES MAY BE PRUNED IF REQUIRED. DO NOT REMOVE THE TERMINAL BUDS OF THE BRANCHES THAT EXTEND TO THE EDGE OF THE CROWN.
 2) MARK THE NORTH SIDE OF THE TREE IN THE NURSERY AND ROTATE TREE TO FACE NORTH AT THE SITE WHENEVER POSSIBLE.
 3) BALL OF PLANT TO BE KEPT MOIST AND PROTECTED FROM DAMAGE PRIOR TO PLANTING. ADD ROOT STIMULATOR TO SURFACE IMMEDIATELY AFTER PLANTING AS PER MANUFACTURER'S RECOMMENDATIONS.
 4) PLANTING DEPTH OF ROOTBALL SHALL BE EQUAL TO ITS ORIGINAL PLANTING DEPTH AT NURSERY. PLACE ROOTBALL ON UNEXCAVATED OR TAMPED SOIL. TYPE SCARIFY HOLE & BACKFILL WITH SOIL EXCAVATED FROM HOLE & SPECIFIED AMENDMENTS.
 5) SET TOP OF ROOT BALL 1-2 INCHES HIGHER THAN SURROUNDING GRADE.
 6) REMOVE ALL TWINE, ROPE, WIRE AND BURLAP FROM THE UPPER 1/3 OF THE ROOTBALL.



7) EACH TREE MUST BE PLANTED SUCH THE TRUNK FLARE IS VISIBLE AT THE TOP OF THE ROOT BALL. TREES WHERE THE FLARE IS NOT VISIBLE SHALL BE REJECTED. DO NOT COVER THE TOP OF THE ROOT BALL W/ SOIL.
 8) SOAK BACKFILL AFTER PLANTING.
 9) APPLY 4" TH MULCH LAYER AROUND TREE, DO NOT PLACE MULCH IN DIRECT CONTACT W/ CROWN OF TREE TRUNK.
 10) WHEN NECESSARY APPLY TREE WRAP TO TRUNK FROM BOTTOM UPWARD, SECURE W/ TAPE.
STAKING REQUIREMENTS:
 1) STAKING SHALL BE REQUIRED UNLESS OTHERWISE APPROVED BY THE ARCHITECT.
 2) GUY WIRES SHALL BE GALV. 12-GAUGE DOUBLE STRAND WIRE 3'-6" ABOVE GRADE, TIGHTEN GUY WIRE ONLY ENOUGH TO KEEP FROM SLIPPING, DO NOT OVERTIGHTEN, ALLOW FOR SOME TRUNK MOVEMENT.
 3) USE 1-1/2" WIDE WEBBING W/ METAL GROMMETS
 4) TREE STAKES SHALL BE 2" DIA. X 8'-0" LODGEPOLE PINE TREE STAKES, KEEP STAKES PLUMB AND EVENLY SPACED.

1 DECIDUOUS TREE PLANTING

SCALE: N.T.S.

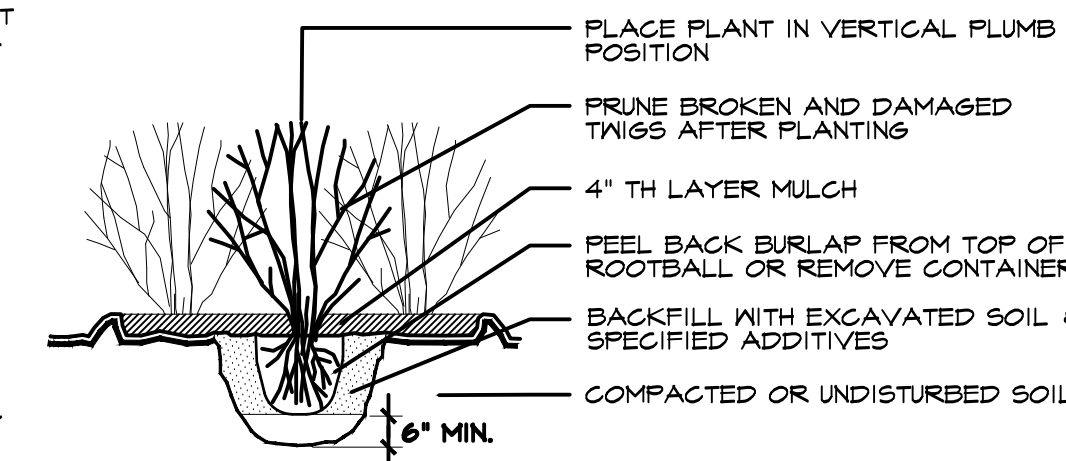


SOD INSTALLATION NOTES:
 1) FINISHED GRADES SHALL BE ACCURATE.
 2) CULTIVATE ENTIRE AREA TO A MINIMUM 6" DEPTH. EXCEPTIONS TO AREAS MAY BE MADE IF TREE ROOTS ARE ENCOUNTERED WITHIN THE DRIPLINE OF EXISTING TREES. HAND RAKE SMOOTH.
 3) ADD ADDITIVES (AS PER SOIL TEST RECOMMENDATIONS) AND TILL INTO SOIL.
 4) LAY AND ROLL SOD. WATER THOROUGHLY.

3 SOD INSTALLATION

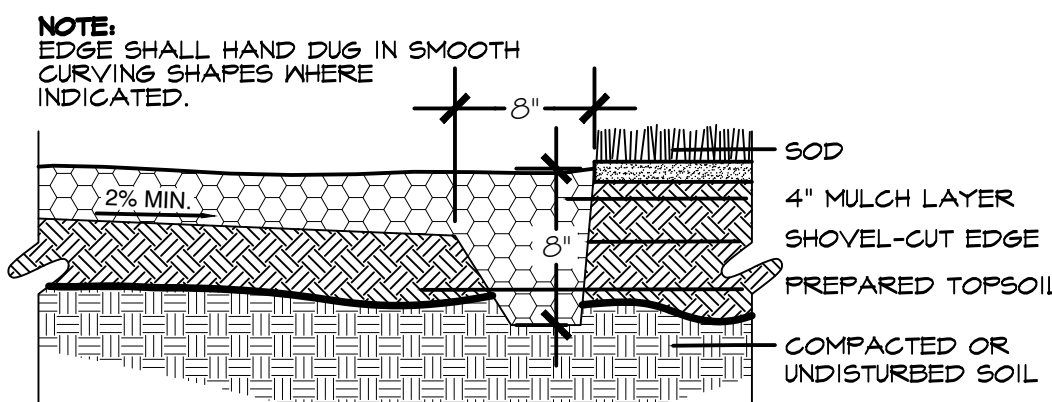
SCALE: N.T.S.

SHRUB PLANTING NOTES:
 1) SET SHRUB AT SAME DEPTH AT WHICH IT GREW IN THE FIELD OR CONTAINER.
 2) PRUNE THIN & SHAPE SHRUBS IN ACCORDANCE W/ STANDARD HORTICULTURAL PRACTICE.
 3) BALL OF PLANT TO BE KEPT MOIST AND PROTECTED FROM DAMAGE PRIOR TO PLANTING. ADD ROOT STIMULATOR TO SURFACE IMMEDIATELY AFTER PLANTING AS PER MANUFACTURER'S RECOMMENDATIONS.
 4) WHEN BACKFILL IS 2/3 COMPLETE, WATER THOROUGHLY UNTIL NO MORE IS ABSORBED.



4 SHRUB PLANTING

SCALE: N.T.S.

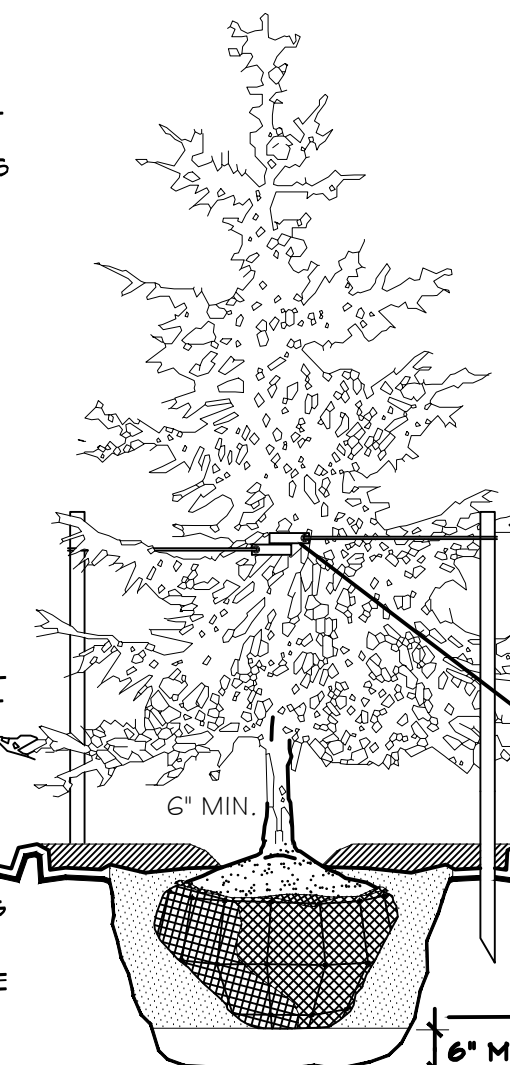


6 SHOVEL-CUT EDGING

SCALE: N.T.S.

EVERGREEN TREE PLANTING NOTES:

1) DO NOT HEAVILY PRUNE THE TREE AT PRUNING. PRUNE ONLY CROSSOVER LIMBS, CO-DOMINANT LEADERS & UNBROKEN OR DEAD BRANCHES. SOME INTERIOR TWIGS & LATERAL BRANCHES MAY BE PRUNED IF REQUIRED. DO NOT REMOVE THE TERMINAL BUDS OF THE BRANCHES THAT EXTEND TO THE EDGE OF THE CROWN.
 2) MARK THE NORTH SIDE OF THE TREE IN THE NURSERY AND ROTATE TREE TO FACE NORTH AT THE SITE WHENEVER POSSIBLE.
 3) BALL OF PLANT TO BE KEPT MOIST AND PROTECTED FROM DAMAGE PRIOR TO PLANTING. ADD ROOT STIMULATOR TO SURFACE IMMEDIATELY AFTER PLANTING AS PER MANUFACTURER'S RECOMMENDATIONS.
 4) PLANTING DEPTH OF ROOTBALL SHALL BE EQUAL TO ITS ORIGINAL PLANTING DEPTH AT NURSERY. PLACE ROOTBALL ON UNEXCAVATED OR TAMPED SOIL. TYPE SCARIFY HOLE & BACKFILL WITH SOIL EXCAVATED FROM HOLE & SPECIFIED AMENDMENTS.
 5) SET TOP OF ROOT BALL 1-2 INCHES HIGHER THAN SURROUNDING GRADE.
 6) REMOVE ALL TWINE, ROPE, WIRE AND BURLAP FROM THE UPPER 1/3 OF THE ROOTBALL.



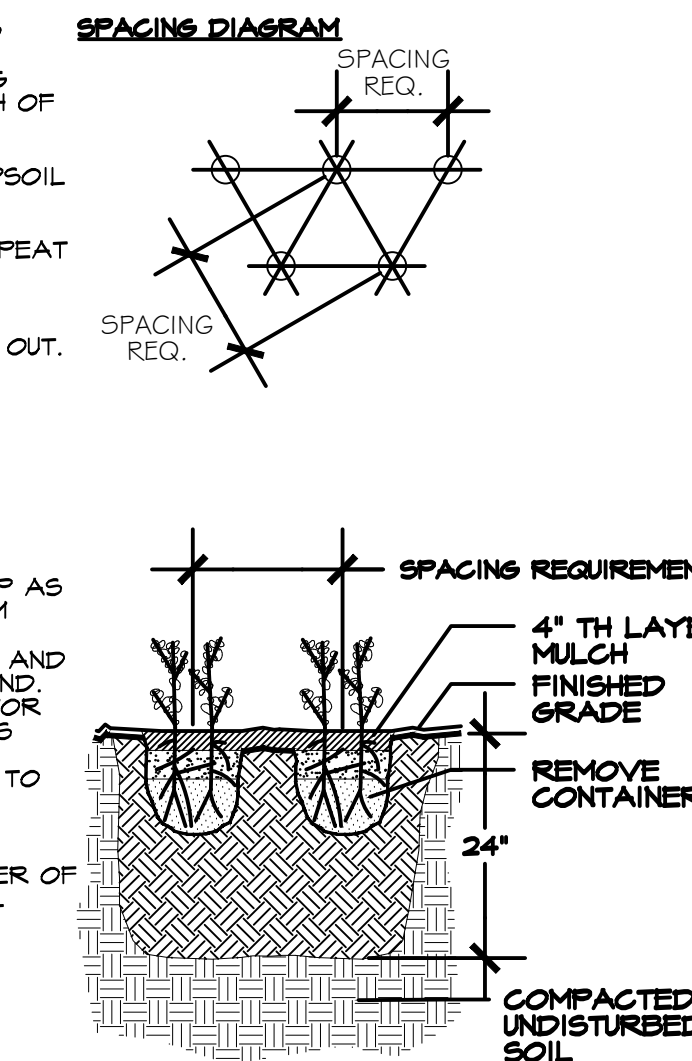
7) EACH TREE MUST BE PLANTED SUCH THE TRUNK FLARE IS VISIBLE AT THE TOP OF THE ROOT BALL. TREES WHERE THE FLARE IS NOT VISIBLE SHALL BE REJECTED. DO NOT COVER THE TOP OF THE ROOT BALL W/ SOIL.
 8) SOAK BACKFILL AFTER PLANTING.
 9) APPLY 4" TH MULCH LAYER AROUND TREE. DO NOT PLACE MULCH IN DIRECT CONTACT W/ CROWN OF TREE TRUNK.
STAKING REQUIREMENTS:
 1) STAKING SHALL BE REQUIRED UNLESS OTHERWISE APPROVED BY THE ARCHITECT.
 2) GUY WIRES SHALL BE GALV. 12-GAUGE DOUBLE STRAND WIRE 3'-6" ABOVE GRADE, TIGHTEN GUY WIRE ONLY ENOUGH TO KEEP FROM SLIPPING, DO NOT OVERTIGHTEN, ALLOW FOR SOME TRUNK MOVEMENT.
 3) USE 1-1/2" WIDE WEBBING W/ METAL GROMMETS
 4) TREE STAKES SHALL BE 2" DIA. X 8'-0" LODGEPOLE PINE TREE STAKES, KEEP STAKES PLUMB AND EVENLY SPACED.

2 EVERGREEN TREE PLANTING

SCALE: N.T.S.

PERENNIAL PLANTING

1) BREAK UP EXISTING TOPSOIL TO A DEPTH OF 24"
 2) PROVIDE NEW TOPSOIL TO A DEPTH OF 18"
 3) THOROUGHLY MIX PEAT IN TOP 3-4" OF SOIL
 4) DO NOT ALLOW PERENNIALS TO DRY OUT. KEEP MOIST AND PROTECTED FROM DAMAGE PRIOR TO PLANTING.
 5) PLACE PLANT IN VERTICAL PLUMB POSITION
 6) DIG HOLE AS DEEP AS INITIAL ROOT SYSTEM
 7) BACKFILL W/ SOIL AND ADD ROOT STIMULATOR PER MANUFACTURER'S RECOMMENDATIONS. WATER THOROUGHLY TO FINISH PACKING SOIL AROUND ROOTS.
 8) APPLY 4" TH LAYER OF MULCH ON PERENNIAL PLANT BED DO NOT COVER PLANTS



5 PERENNIAL PLANTING

SCALE: N.T.S.



SUMMIT VIEW FARMS
 POOL CONSTRUCTION DOCUMENTS
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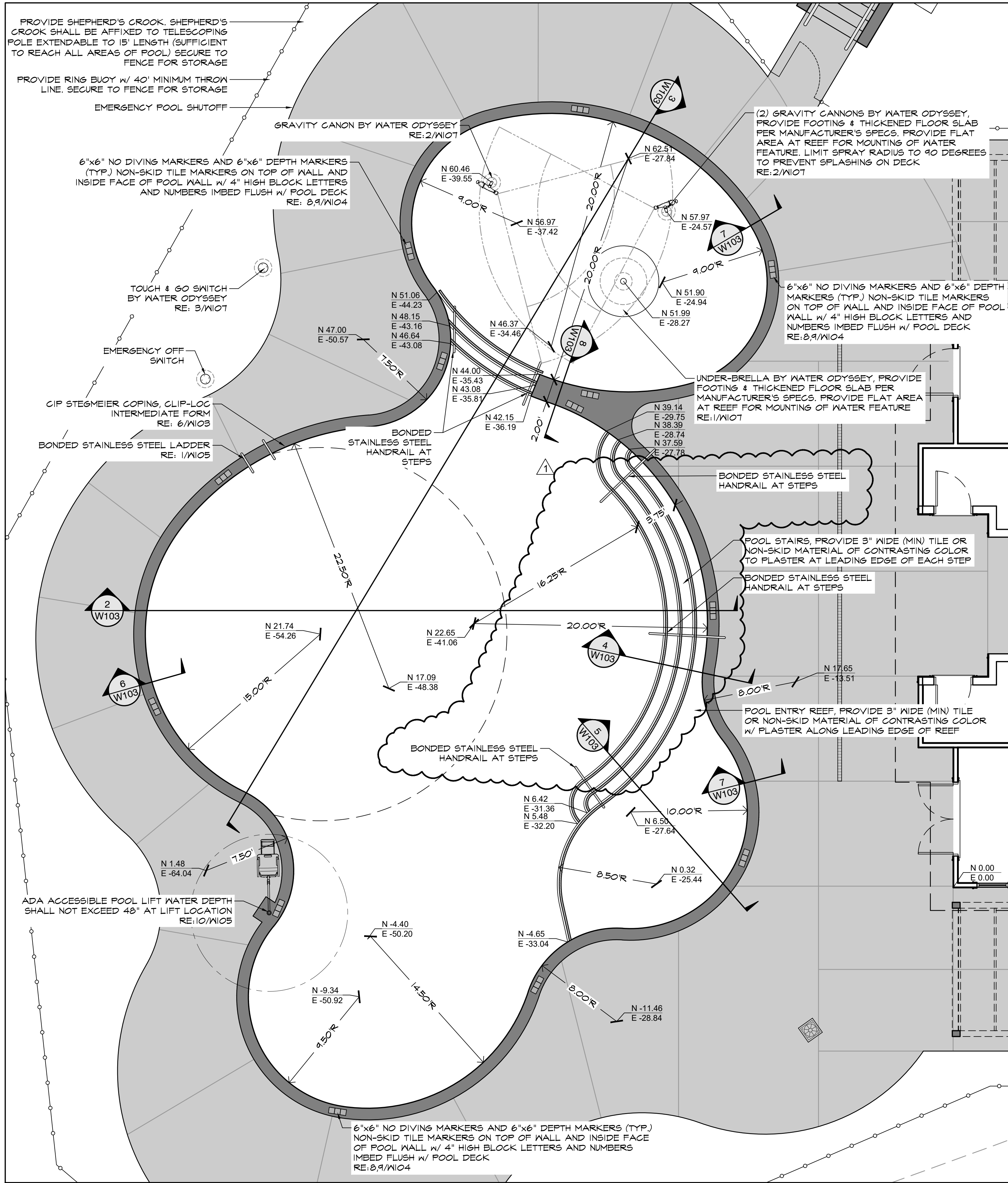
DECEMBER 2, 2021
 LANDSCAPE NOTES & DETAILS

L102



SUMMIT VIEW FARMS
 POOL CONSTRUCTION DOCUMENTS
 LEE'S SUMMIT, MISSOURI

REVISION:
 1 1/10/2022 CITY COMMENTS
 DECEMBER 2, 2021
 POOL LAYOUT PLAN
W001



PLAN NOTES

1. ANY METAL WITHIN 5' OF WATERS EDGE SHALL BE BONDED

POOL GUIDELINES

1. SUPERVISE YOUR CHILDREN - YOU ALONE ARE RESPONSIBLE FOR THEIR SAFETY. DO OR RELY ON A LIFEGUARD OR SAFETY DEVICE
2. TEACH YOUR CHILDREN TO SWIM - IT IS NEVER TOO EARLY
3. LEARN TO SWIM YOURSELF. YOU CAN NOT SAVE A CHILD IF YOU CAN NOT SWIM
4. LEARN CPR. THIS IS A BASIC LIFE SKILL EVERYONE SHOULD KNOW
5. INFLATABLE 'FLOATIES' ARE NOT A REPLACEMENT FOR A LIFE VEST
6. AVOID ALCOHOL AND SUN. BAD DECISIONS AND CHOKING ARE COMMON CAUSES OF DROWNINGS
7. KEEP THE POOL AREA FREE OF TOYS WHEN THE POOL IS NOT IN USE
8. MAINTAIN THE WATER CLARITY
9. MAINTAIN THE DRAINS AND REPLACE THEM IF THEY ARE NOT OF AN ANTI-ENTRAPMENT DESIGN. DO NOT ALLOW SWIMMING TO PLAY AROUND THE DRAIN. KEEP LONG HAIR AWAY FROM THE DRAIN COVERS
10. MAINTAIN THE SAFETY BARRIERS (FENCES, COVERS, DOOR ALARMS)
11. PRACTICE SAFE DIVING TECHNIQUES - HANDS POINTED OVER THE HEAD, NEVER TO THE SIDES. NEVER DIVE INTO SHALLOW WATER
12. NEVER SWIM ALONE
13. KEEP SAFETY DEVICES HANDY

POOL SIGNAGE

PROVIDE POOL/ SPA RULES SIGNAGE POSTED AT EXTERIOR FACE OF POOL HOUSE WITH THE FOLLOWING VERBIAGE:

1. NO PERSON WITH OPEN CUTS, SORES, LESIONS, INFECTIONS.
2. OBVIOUS COMMUNICABLE DISEASE, OR DIARRHEA SHALL USE THE SWIMMING POOL;
3. ANIMALS ARE NOT ALLOWED IN OR AROUND THE SWIMMING POOL, EXCEPT THAT SERVICE ANIMALS AS DEFINED BY THE AMERICANS WITH DISABILITIES ACT MUST BE ALLOWED ON POOL DECKS AND ANY OTHER PLACES THE PUBLIC IS ALLOWED. SERVICE ANIMALS ARE NOT ALLOWED IN THE WATER, ON DIVING BOARDS, ON WATER SLIDES, ON FLOATATION RAFTS, ETC;
4. GLASS CONTAINERS ARE NOT ALLOWED IN OR AROUND THE SWIMMING POOL
5. CHILDREN WHO ARE NOT TOILET TRAINED SHALL WEAR TIGHT FITTING PLASTIC UNDERWEAR OR SWIM DIAPERS THAT WILL PREVENT LEAKAGE
6. NO DIVING
7. CHILDREN, AS DEFINED BY THE AQUATIC VENUE, SHALL BE ACCOMPANIED BY AN ADULT

PROVIDE SEPARATE WARNING SIGN, CONSPICUOUSLY PLACED AT ENTRANCE TO THE VENUE STATING: "WARNING - NO LIFEGUARD ON DUTY" IN LETTERS AT LEAST FOUR (4) INCHES HIGH.

POST SIGNAGE AT THE POOL DECK EXIT GATE WITH THE FOLLOWING INFORMATION:

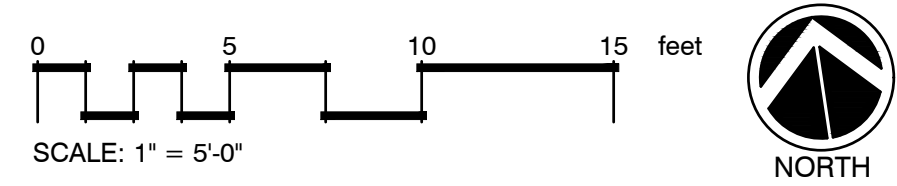
1. SWIMMING POOL PATRON LOAD SHALL NOT EXCEED 137 PERSONS
2. POOL DECK PATRON LOAD SHALL NOT EXCEED 369 PERSONS

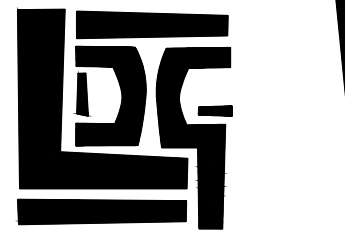
POOL OPERATION

1. SWIMMING POOL SHALL BE MANAGED BY A CPO/AFO CERTIFIED OPERATOR

NOTE: THIS IS NOT A DIVING POOL

POOL LAYOUT PLAN
 SCALE: 1"=5'-0"





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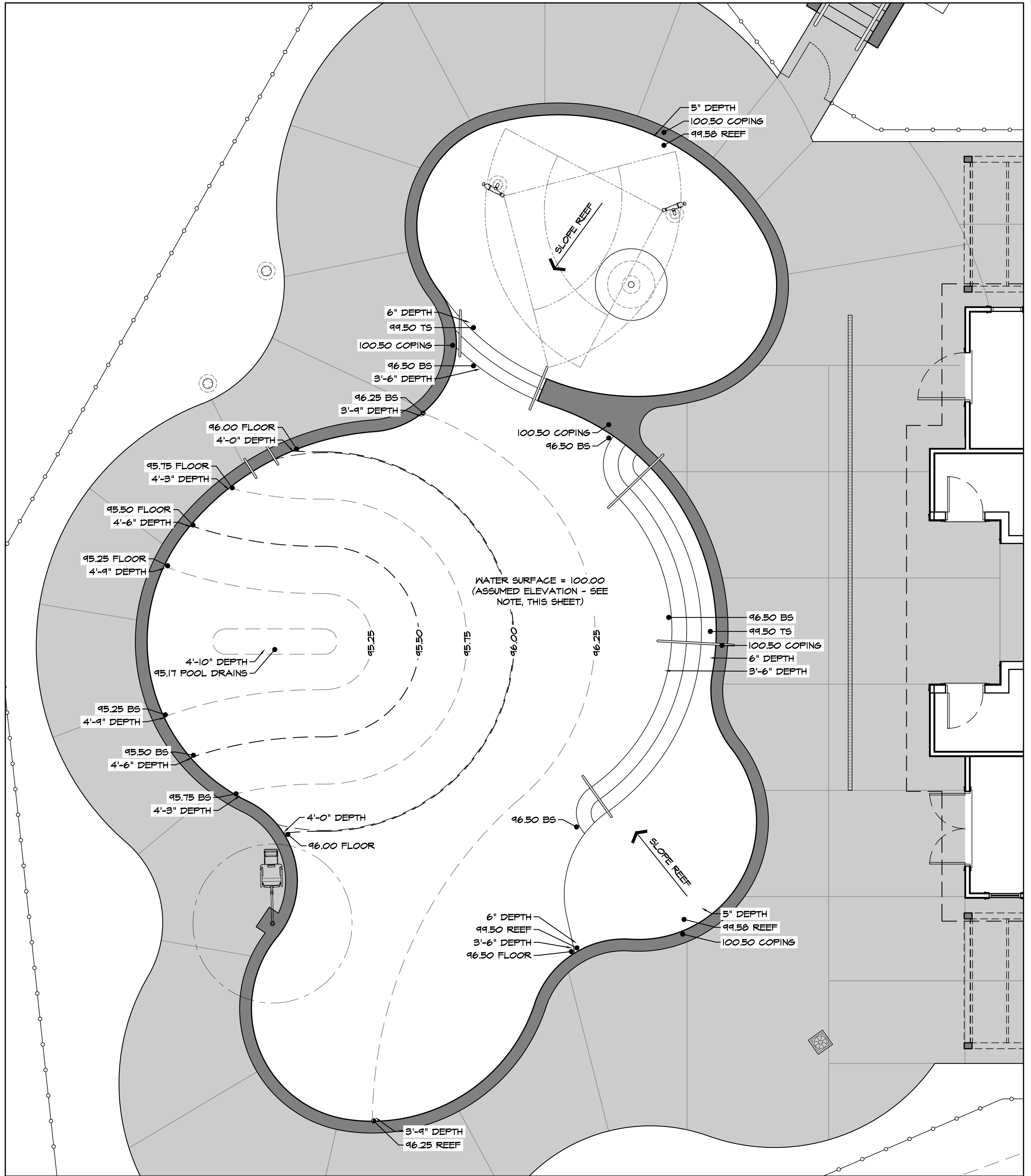
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POOL CONSTRUCTION DOCUMENTS
LEE'S SUMMIT, MISSOURI

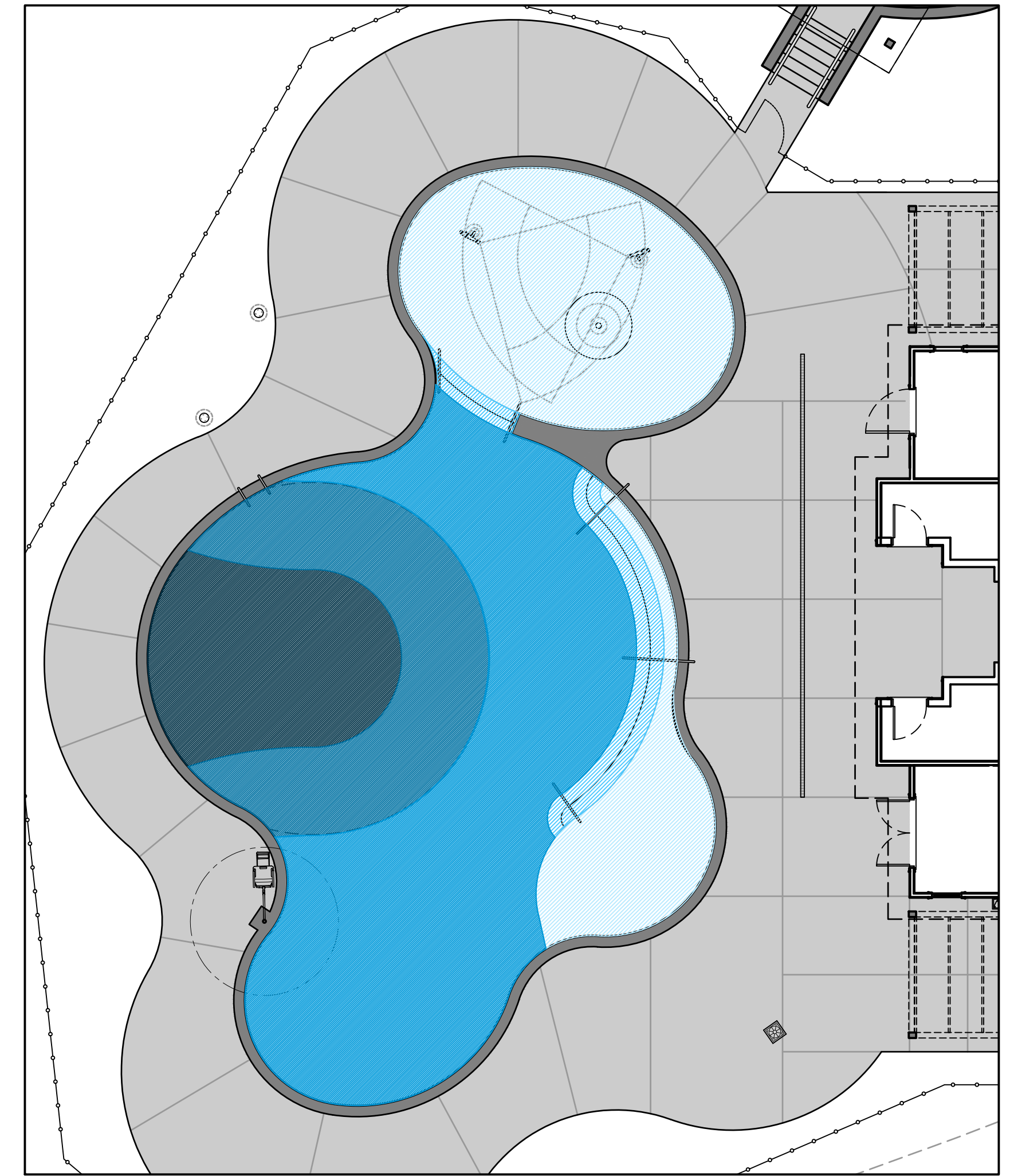
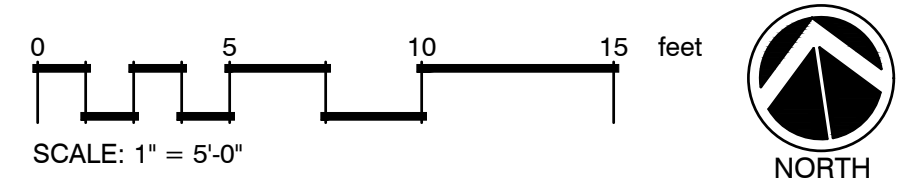
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DECEMBER 2, 2021
POOL FLOOR CONTOURING

W002



POOL FLOOR CONTOURING PLAN
SCALE: 1"=5'-0"



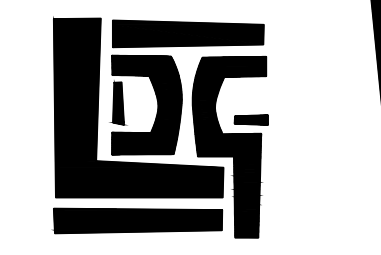
ILLUSTRATIVE WATER DEPTH PLAN
SCALE: 1"=10'-0"

POOL WATER DEPTH

	0' - 1' WATER DEPTH		4' - 4'-6" WATER DEPTH
	1' - 3'-6" WATER DEPTH		4'-6" + WATER DEPTH
	3'-6" - 4' WATER DEPTH		

- PLAN NOTES**
1. ANY METAL WITHIN 5' OF WATERS EDGE SHALL BE BONDED
 2. ALL ELEVATIONS SHOWN ON THIS SHEET ARE ASSUMED, BASED ON AN ASSUMED WATER ELEVATION OF 100.00. SPOT ELEVATIONS DO NOT CORRELATE TO A SURVEY OR ANY BENCHMARK. TRUE WATER AND COPING ELEVATIONS ARE INDICATED ON GRADING PLAN. CONTRACTOR SHALL CORRELATE ASSUMED POOL FLOOR/WATER/COPING ELEVATIONS ON THIS PLAN TO TRUE POOL DECK AND WATER ELEVATIONS SHOWN ON GRADING PLAN IN ORDER TO ACHIEVE THE POOL WATER DEPTHS SHOWN ON THIS PLAN.

NOTE: THIS IS NOT A DIVING POOL



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POOL GROUNDING & BONDING TECHNICAL NOTES

TECHNICAL NOTES:
*680.26 EQUIPOTENTIAL BONDING * (SUMMARIZED)
(A) PERFORMANCE. THE EQUIPOTENTIAL BONDING REQUIRED BY THIS SECTION SHALL BE INSTALLED TO REDUCE VOLTAGE GRADIENTS IN THE POOL AREA.

(B) BONDED PARTS. THE PARTS SPECIFIED IN 680.26(B)(1) THROUGH (B)(7) SHALL BE BONDED TOGETHER USING SOLID COPPER CONDUCTORS, INSULATED COVERED, OR BARE, NOT SMALLER THAN 8 AWG OR WITH RIGID METAL CONDUIT OF BRASS OR OTHER IDENTIFIED CORROSION-RESISTANT METAL. CONNECTIONS TO BONDED PARTS SHALL BE MADE IN ACCORDANCE WITH 250.8** AN 8 AWG OR LARGER SOLID COPPER BONDING CONDUCTOR PROVIDED TO REDUCE VOLTAGE GRADIENTS IN THE POOL AREA SHALL NOT BE REQUIRED OR ATTACHED TO REMOTE PANELBOARDS, SERVICE EQUIPMENT, OR ELECTRODES

(1) CONDUCTIVE POOL SHELLS. BONDING TO CONDUCTIVE POOL SHELLS SHALL BE PROVIDED AS SPECIFIED IN 680.26(B)(1)(a) OR (B)(1)(b). POURED CONCRETE, PNEUMATICALLY APPLIED OR SPRAYED CONCRETE, AND CONCRETE BLOCK WITH PAINTED PLASTERED COATINGS SHALL ALL BE CONSIDERED CONDUCTIVE MATERIALS DUE TO WATER PERMEABILITY AND POROSITY. VINYL LINERS AND FIBERGLASS COMPOSITE SHELLS SHALL BE CONSIDERED TO BE NONCONDUCTIVE MATERIALS.

(2) PERIMETER SURFACES. THE PERIMETER SURFACE SHALL EXTEND FOR 1m (3ft) HORIZONTALLY BEYOND THE INSIDE WALLS OF THE POOL AND SHALL INCLUDE UNPAVED SURFACES AS WELL AS POURED CONCRETE SURFACES AND OTHER TYPES OF PAVING. PERIMETER SURFACES LESS THAN 1m (3ft) SEPARATED BY A PERMANENT WALL OR BUILDING 1.5m (5ft) IN HEIGHT OR MORE SHALL REQUIRE EQUIPOTENTIAL BONDING ON THE POOL SIDE OF THE PERMANENT WALL OR BUILDING. BONDING TO PERIMETER SURFACES SHALL BE PROVIDED AS SPECIFIED IN 680.26(B)(2)(a) OR (2)(b) AND SHALL BE ATTACHED TO THE POOL REINFORCING STEEL OR COPPER CONDUCTOR GRID AT A MINIMUM OF FOUR (4) POINTS UNIFORMLY SPACED AROUND THE PERIMETER OF THE POOL. FOR NONCONDUCTIVE POOL SHELLS, BONDING AT FOUR POINTS SHALL NOT BE REQUIRED.

(3) CONFORM TO THE CONTOUR OF THE POOL.
(4) POINTS UNIFORMLY SPACED AROUND THE PERIMETER OF THE POOL. FOR NONCONDUCTIVE POOL SHELLS, BONDING AT FOUR POINTS SHALL NOT BE REQUIRED.

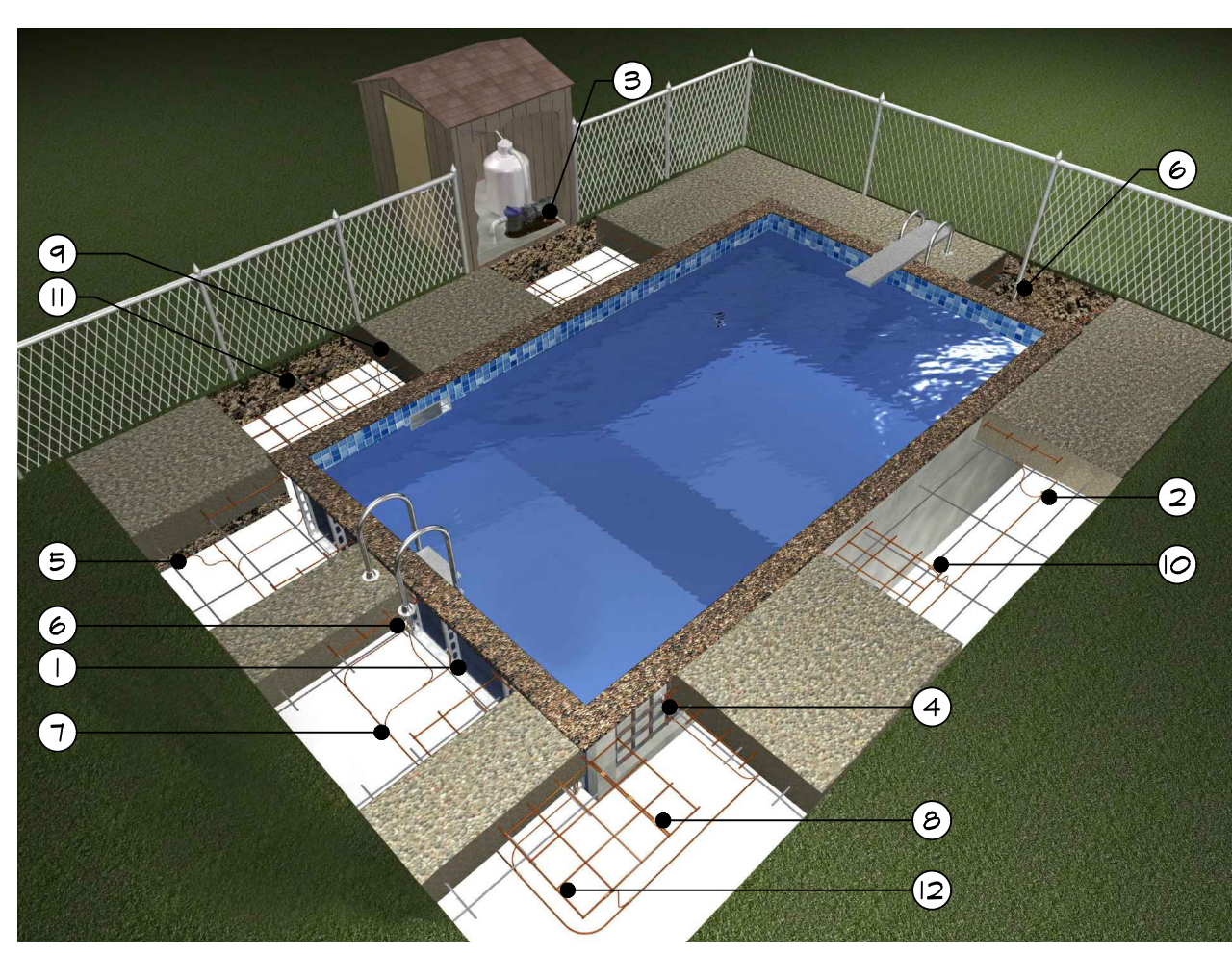
(5) CONDUCTOR RANGE 14 Str. - 6 Str.
(6) OTHER MESH SIZES AND WIRE GAUGES AVAILABLE

(7) FIXED METAL PARTS. ALL FIXED METAL PARTS SHALL BE BONDED INCLUDING, BUT NOT LIMITED TO METAL-SHEATHED CABLES AND RACEWAYS, METAL PIPING, METAL ANNNINGS, METAL FENCES AND METAL DOOR AND WINDOW FRAMES.
EXCEPTION NO 1: THOSE SEPARATED FROM THE POOL BY PERMANENT BARRIER THAT PREVENTS CONTACT BY A PERSON SHALL NOT BE REQUIRED TO BE BONDED.
EXCEPTION NO 2: THOSE GREATER THAN 1.5m (5ft) HORIZONTALLY FROM THE INSIDE WALLS OF THE POOL SHALL NOT BE REQUIRED TO BE BONDED.
EXCEPTION NO 3: THOSE GREATER THAN 3.7m (12ft) MEASURED VERTICALLY ABOVE THE MAXIMUM WATER LEVEL OF THE POOL, OR AS MEASURED VERTICALLY ABOVE ANY OBSERVATION STANDS, TOWERS, OR PLATFORMS, OR ANY DIVING STRUCTURES, SHALL NOT BE REQUIRED TO BE BONDED.

(8) POOL WATER. WHERE NONE OF THE BONDED PARTS IS IN DIRECT CONNECTION WITH THE POOL WATER, THE POOL WATER SHALL BE IN DIRECT CONTACT WITH AN APPROVED CORROSION-RESISTANT CONDUCTIVE SURFACE THAT EXPOSES NOT LESS THAN 5000mm² (9in SQ) OF SURFACE AREA TO THE POOL WATER AT ALL TIMES. THE CONDUCTIVE SURFACE SHALL BE LOCATED WHERE IT IS NOT EXPOSED TO PHYSICAL DAMAGE OR DISLODEMENT DURING USUAL POOL ACTIVITIES, AND IT SHALL BE BONDED IN ACCORDANCE WITH 680.26(B).

250.8 CONNECTION OF GROUNDING AND BONDING EQUIPMENT**
(A) PERMITTED METHODS. EQUIPMENT GROUNDING CONDUCTORS, GROUNDING ELECTRODES CONDUCTORS, AND BONDING JUMPERS SHALL BE CONNECTED BY ONE OR MORE OF THE FOLLOWING MEANS:
(1) LISTED PRESSURE CONNECTORS
(2) TERMINAL BARS
(3) PRESSURE CONNECTORS LISTED AS GROUNDING AND BONDING EQUIPMENT
(4) EXOTHERMIC WELDING PROCESS
(5) MACHINE SCREW-TYPE FASTENERS THAT ENGAGE NOT LESS THAN TWO THREADS OR ARE SECURED WITH A NUT
(6) THREAD-FORMING MACHINE SCREWS THAT ENGAGE NOT LESS THAN TWO THREADS IN THE ENCLOSURE
(7) CONNECTIONS THAT ARE PART OF A LISTED ASSEMBLY
(8) OTHER LISTED MEANS

(B) METHODS NOT PERMITTED. CONNECTION DEVICES OR FITTINGS THAT DEPEND SOLELY ON SOLDER SHALL NOT BE USED
*NEC 2014 EQUIPOTENTIAL BONDING ARTICLE 680.26
**NEC 2014 CONNECTION OF GROUNDING AND BONDING EQUIPMENT ARTICLE 250.8



REBAR # WATER PIPE GROUND CLAMPS			
PART #	PIPE # REBAR RANGE	CONDUCTOR RANGE (AWG)	
RB12A	8" - 1"	10 Sol. - 2 Str.	
RB12B	8" - 1"	10 Sol. - 2 Str.	
* SUITABLE FOR DIRECT BURIAL.			

CFC PIPE CLAMPS			
PART #	MATERIAL	NOM. PIPE SIZE RANGE	PIPE OUTSIDE DIAMETER
CPG1.5/2	TINNED BRONZE	1.5" - 2"	1" - 2.4"
CPG2.5/3	TINNED BRONZE	2.5" - 3"	2.25" - 3.5"
* SUITABLE FOR DIRECT BURIAL.			
* CONDUCTOR RANGE 14 - 250 MCM.			
* OTHER SIZES AVAILABLE.			

CABLE TO CABLE ULTRAVELD EXOTHERMIC CONNECTION MOLDS			
PART #	WELD METAL	REQUIRED HANDLE	
PT8885B	US25	NJMTUBE25	MHI
PS8885L	US25	NJMTUBE25	MHB (INCLUDED)
PS8885L	US25	NJMTUBE25	MHB (INCLUDED)

CABLE TO REBAR ULTRAVELD EXOTHERMIC CONNECTION MOLDS				
PART #	WELD METAL	REQUIRED HANDLE	PACKING MATL #	
RFS885B	US25	NJMTUBE25	MHI	WRPSLV
RF4L85A	US25	NJMTUBE25	INCLUDED	CERPMI
RO885B	US65	NJMTUBE65	MHI	WRPSLV
RO485B	US65	NJMTUBE65	MHI	WRPSLV
RO885B	US65	NJMTUBE65	MHI	WRPSLV

ONE-HOLE TINNED COPPER LAY-IN LUGS		
PART #	CONDUCTOR RANGE (AWG)	BOLT HOLE SIZE
TCL14H4DB	4 - 14	#0
* SUITABLE FOR DIRECT BURIAL.		

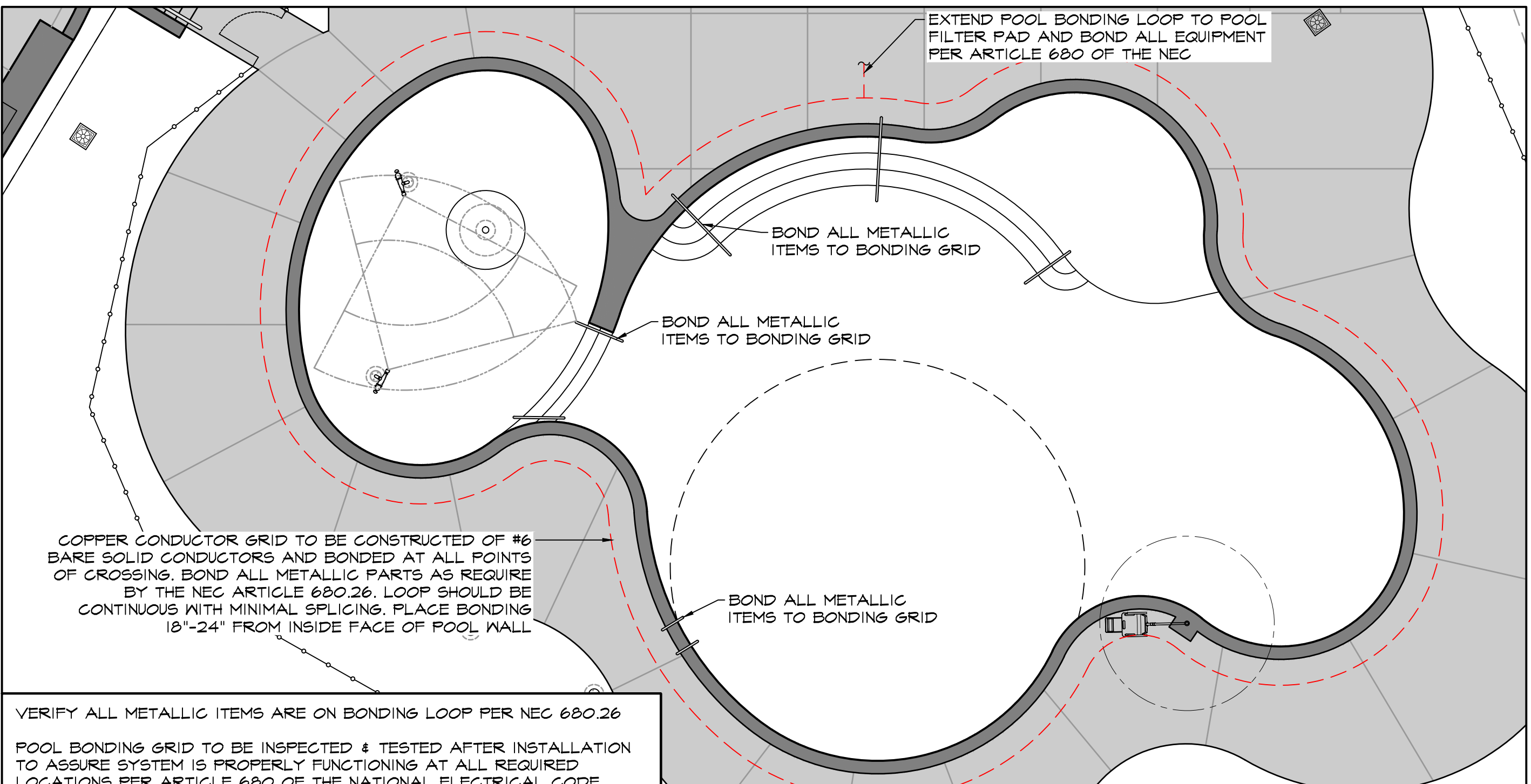
COPPER SPLIT BOLT		
PART #	RANGE FOR EQUAL MAIN (AWG)	MINIMUM TAP
GESB6	4 Sol. - 8 Sol.	16 Sol.
* SUITABLE FOR DIRECT BURIAL.		

COPPER OFFSET TERMINAL LUGS		
PART #	CONDUCTOR RANGE (AWG)	BOLT HOLE SIZE
GEOL2	14 Str. - 6 Str.	#0
* SUITABLE FOR DIRECT BURIAL.		

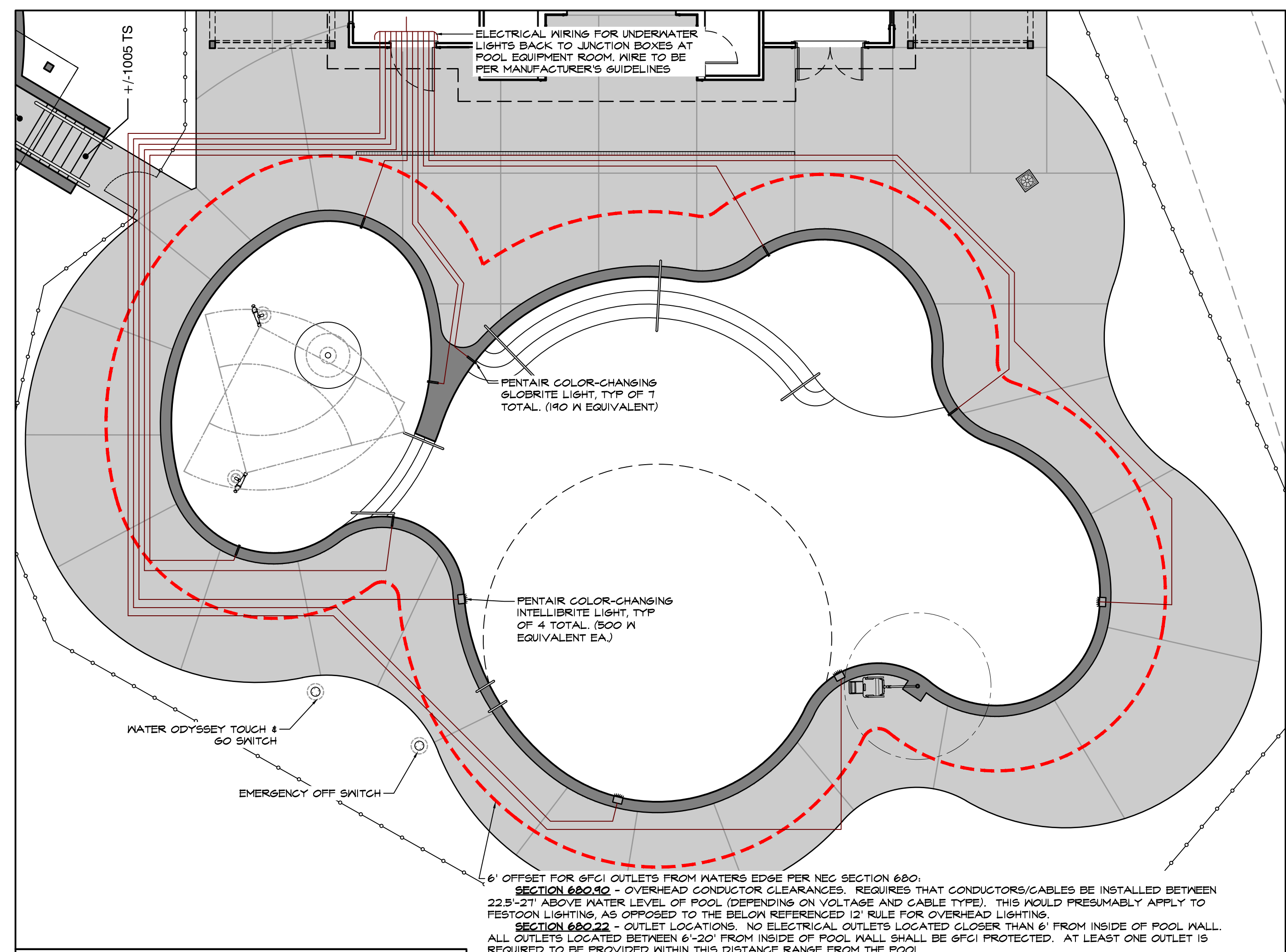
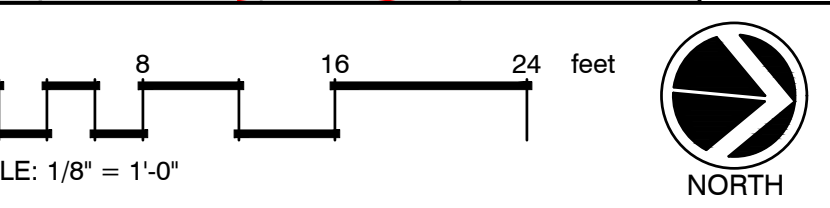
TYPICAL POOL GROUNDING & BONDING VIGNETTE

BONDING LOOP GENERAL NOTES

- EQUIPMENT BONDING NOTES
1. ALL METALLIC ITEMS TO BE BONDED AT PUMP ROOM PER NEC 250.26.
2. BOND ALL ITEMS AS NOTED ON THIS POOL BONDING LOOP PLAN. TO INCLUDE LADDERS, STANCHION ANCHORS, FLOATABLE ANCHORS, RAILINGS, PUMPS, DECK JUNCTION BOXES AND ALL OTHER METALLIC WITHIN 5'-0" OF THE POOL.
3. REINFORCEMENT STEEL AROUND POOL TO BE BONDED TO AT EACH POURED SECTION OR EVERY 20 FEET (WHICHEVER IS LESS). USE ONLY LUGS LISTED AND LABELED FOR BONDING REBAR TO A COPPER CONDUCTOR. LUGS SHOULD ALSO BE RATED FOR DIRECT BURIAL, AS LUGS WILL BE ENCLOSED WITHIN CONCRETE AFTER INSTALLATION.
4. ALL METAL FITTINGS WITHIN OR ATTACHED TO THE POOL SURFACE TO BE BONDED
5. ALL FENCE POST AND GATES WITHIN 5 FEET FROM POOL SURFACE TO BE BONDED.
6. ALL PUMP MOTORS AT THE POOL TO BE BONDED TO THE BONDING LOOP UNLESS DOUBLE INSULATED. THIS INCLUDES WATER CIRCULATING, CHEMICAL FEED AND HEATER PUMPS.
7. ALL METAL RACEWAYS, PIPES, FIXED PARTS (ANNING, DOOR FRAMES, WINDOW FRAMES), AND CABLES WITHIN 5 FEET FROM THE POOL SURFACE TO BE BONDED.
8. ALL METALLIC CANOPIES, STAND, TOWERS OR OBSERVATION STANDS WITHIN 12' ABOVE THE MAXIMUM WATER LEVEL OF THE POOL AND LOCATED IN THIS AREA TO BE BONDED. BOND EACH SUPPORT LOCATED IN POOL DECK.
9. ITEMS WITH MULTIPLE ANCHOR SOCKETS, LEGS, ETC TO BE BONDED AT EACH LOCATION IN THE POOL DECK.
10. ALL PIPING TO AND FROM THE PUBLIC BATHING PLACE, INCLUDING INLET AND OUTLET PIPES SHALL BE METALLICALLY BONDED TOGETHER AND ADEQUATELY CONNECTED TO THE SAME GROUNDING ELECTRODE USED TO GROUND THE NEUTRAL CONDUCTOR OF THE ELECTRICAL SYSTEM. METAL FENCES SHALL BE GROUND AT BOTH SIDES OF THE ENTRANCE GATE.
11. ALL ELECTRICAL DEVICES SUCH AS PORTABLE ANNOUNCING SYSTEMS, RADIOS, AND SOFT DRINK DISPENSERS THAT MIGHT BE USED AROUND THE POOL AND IMMEDIATE ENVIRONMENT SHALL BE PROHIBITED WITHIN REACH OF BATHERS. FURTHER SPECIAL GROUNDING OF SUCH FIXTURES MUST BE PROVIDED.
12. BONDING LOOP CONDUCTOR AROUND POOL SHALL BE A SOLID COPPER CONDUCTOR AWG, NOT SMALLER THAN A #6 AWG.
13. BONDING LOOP AROUND POOL TO BE AS CONTINUOUS AS POSSIBLE WITH A MINIMUM NUMBER OF SPLICES
14. CONNECTIONS FROM POOL BONDING LOOP CONDUCTOR TO OTHER BONDED ITEMS CAN BE MADE WITH A MINIMUM #8 AWG SOLID COPPER
15. ALL BONDING CONNECTIONS TO BE MADE WITH DEVICES LISTED AND LABELED FOR THIS ENVIRONMENT. BONDING CONNECTORS SHALL BE BRASS, COPPER, COPPER ALLOY, OR STAINLESS STEEL.
16. EXOTHERMIC WELDING IS A PERMITTED METHOD FOR BONDING THE COPPER BONDING LOOP TO THE REINFORCEMENT STEEL.
17. ALL CONNECTIONS BETWEEN BONDED ITEMS AND POOL BONDING LOOP TO BE UNDER 2 OHMS RESISTANCE.

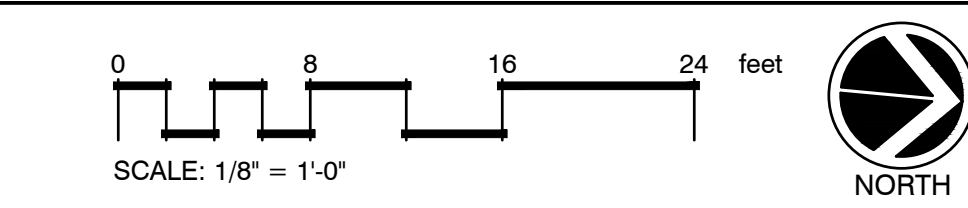


POOL BONDING PLAN
SCALE: 1/8"=1'-0"



LIGHTING REQUIREMENTS
1/2 WATT PER POOL SF REQUIRED
2,750 SF POOL = 1,375 WATTS REQUIRED
(4) INTELLIBRITE LIGHTS PROVIDED AT 500 W EA = 2,000 W
(7) GLOBRITE LIGHTS PROVIDED AT 190 W EA = 1,330 W
3,330 TOTAL EQUIVALENT WATTS PROVIDED

POOL ELECTRICAL PLAN
SCALE: 1/8"=1'-0"

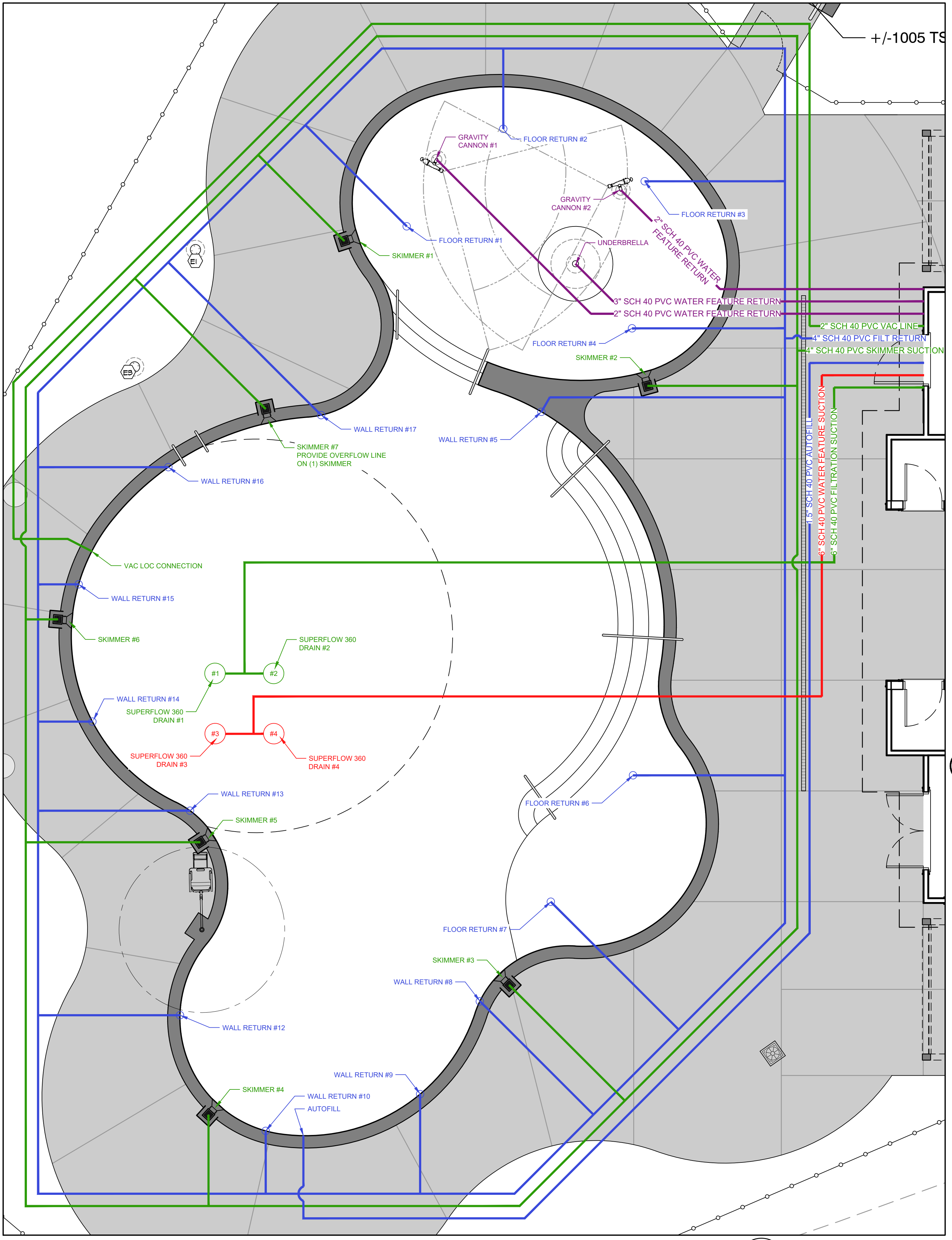


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POOL ELECTRICAL PLAN

W003



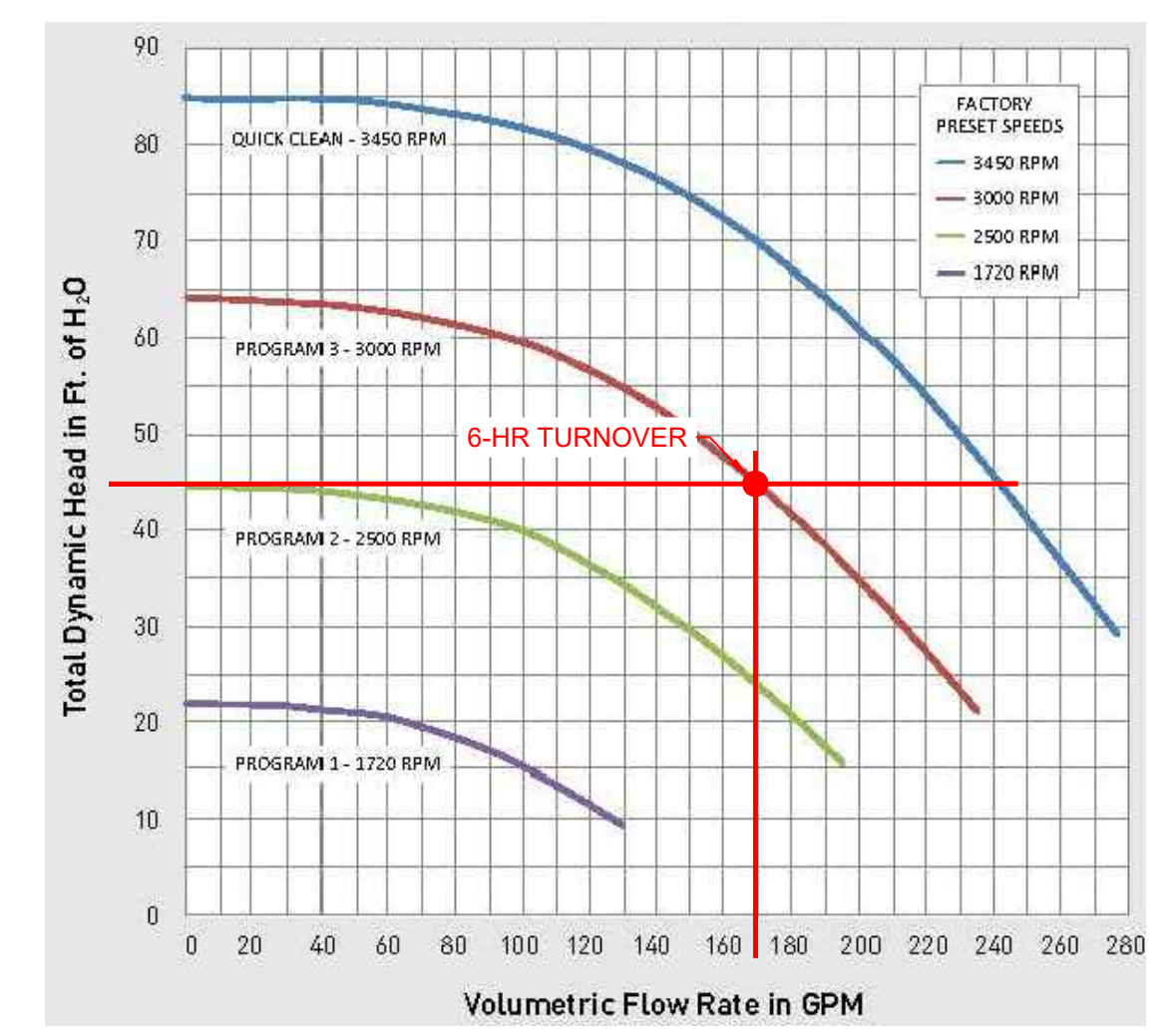
POOL PLUMBING PLAN
 SCALE: 1"=5'-0"
LEGEND
 FILTRATION SUCTION
 FILTRATION RETURN
 SPRAY EQUIPMENT (WATER FEATURE) SUCTION
 SPRAY EQUIPMENT (WATER FEATURE) RETURN

HYDRAULICS NOTES

SWIMMING POOL FILTRATION
 MIN POOL DEPTH 6" (AT REEF), 3'-6" (IN POOL)
 MAX POOL DEPTH 4'-10"
 POOL SURFACE AREA 2,750 SF
 POOL VOLUME 60,416 GAL.
 POOL PERIMETER 250 LF
 6-HOUR FILTRATION TURNOVER RATE 168 GPM
 TOTAL DYNAMIC HEAD (TDH) +/-45

SWIMMING POOL SKIMMERS 7
SWIMMING POOL RETURNS 16
SWIMMING POOL DRAINS DUAL VGB SUPERFLO 360 PEBBLE TOP DRAINS
SWIMMING POOL FILTRATION PUMP PENTAIR WHISPERFLO XF VS 5-HP PUMP
SWIMMING POOL FILTER DUAL PENTAIR TR-140C SAND FILTERS
EFFECTIVE FILTRATION AREA 14.12 SF
FILTRATION RATE 11.90 GPM/SF
SWIMMING POOL HEATER PENTAIR ET1400 NATURAL GAS HEATER
CHEMICAL CONTROLLER PENTAIR INTELLICHEM WATER CHEMISTRY CONTROLLER
POOL LIGHTING REQUIRED 1/2 WATT/SF = 1,375 WATTS REQUIRED
POOL LIGHTING PROVIDED SEE SHEET W003

WATER FEATURE PLUMBING
 UNDER-BRELLA DESIGN FLOW RATE +/-150 GPM
 GRAVITY CANNON DESIGN FLOW RATE 20 GPM EA. (40 GPM TOTAL)
 TOTAL WATER FEATURE FLOW RATE +/-190 GPM
 WATER FEATURE PUMP PENTAIR INTELLIFLO XF PUMP

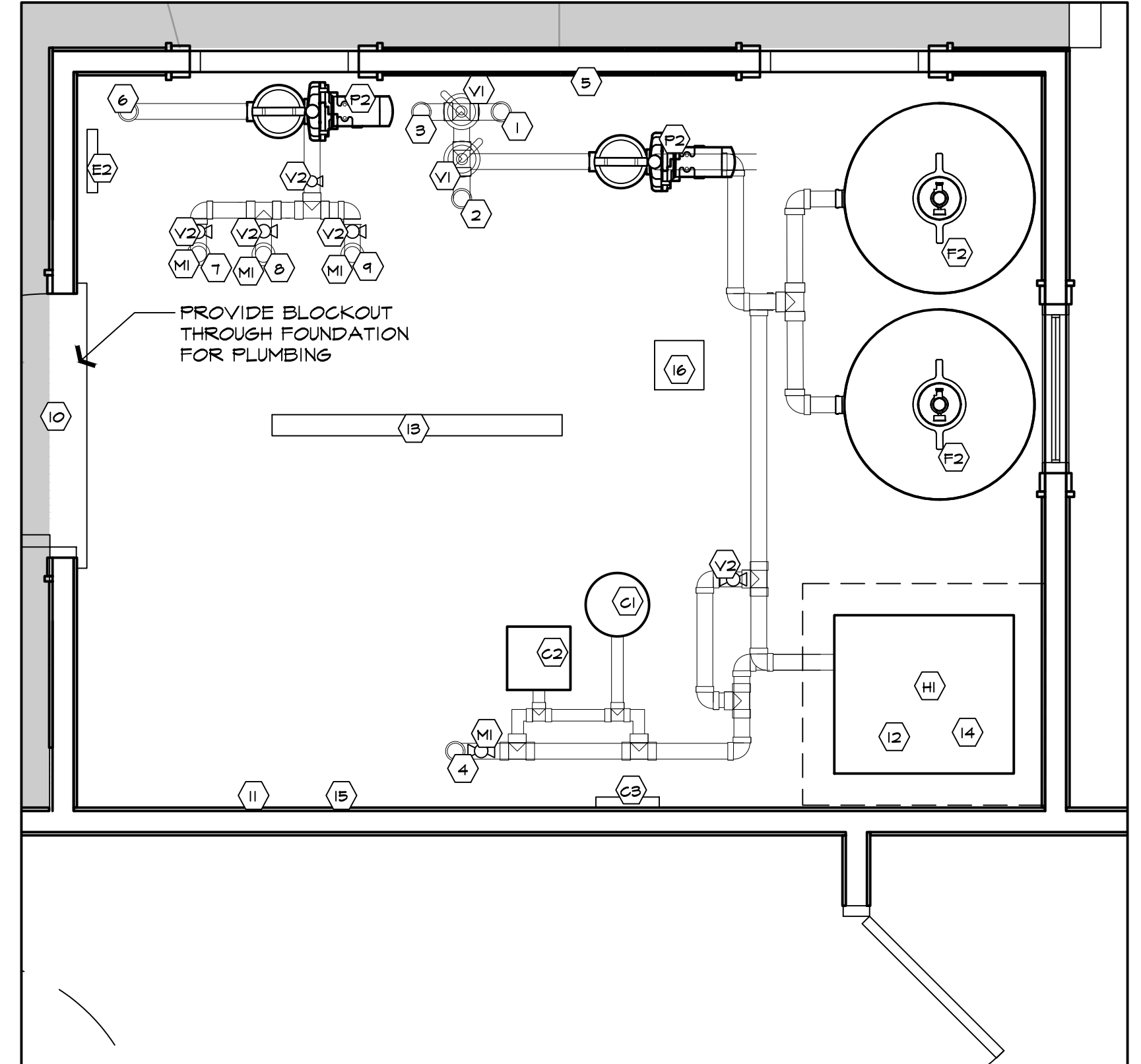


POOL EQUIPMENT ROOM PROVISIONS

- VENTING FOR HEATER, (1) 4" PVC PIPE RUNNING DIRECTLY FROM THE ROOF TO THE HEATER FOR COMBUSTION, AND A SEPARATE 4" PVC LINE FROM THE HEATER BACK TO THE ROOF FOR VENTILATION. THESE MAY RUN FOR A DISTANCE OF UP TO 100' (SUBTRACTING 10 LF FOR EVERY 90 DEGREE BEND IN THE PIPE) IF THE DISTANCE FROM THE HEATER TO THE ROOF EXCEEDS THIS, THEN CAN SWITCH TO A 6" PVC PIPE FOR A DISTANCE OF UP TO 300'
- 400,000 BTU NATURAL GAS FOR HEATERS
- 1.5" FRESH WATER LINE (WITH BACKFLOW PREVENTER) FOR POOL AUTOFILL (RE: MEP)
- DRAIN IN PUMP ROOM FOR SPILLED WATER
- POOL BACKWASH FLOOR DRAIN - SIZED FOR 240 GPM GRAVITY FLOW RATE. BACKWASH SHALL ENTER PIPE VIA AIRGAP BETWEEN THE BACKWASH LINE AND DRAIN. DRAIN CONTINUATION BY MEP.
- 200-AMP ELECTRICAL PANEL
- POOL EQUIPMENT AND LINES TO BE LABELED W/ LABELING MACHINE LABELS AND NOT HAND WRITTEN ON PLUMBING OR EQUIPMENT. PROVIDE A LAMINATED WATERPROOF AS-BUILT DIAGRAM OF EQUIPMENT ROOM LAYOUT AT SERVICE CONTROL PANEL W/ 3D BINDER OF ALL EQUIPMENT CUT SHEETS
- PROVIDE MINIMUM 48" WIDE LOUVERED DOOR TO EQUIPMENT ROOM
- PROVIDE MECHANICAL VENTILATION IN EQUIPMENT ROOM
- ALL VARIABLE SPEED PUMPS SHALL HAVE THEIR SETTINGS LOCKED. FLOW RATES SHALL NOT EXCEED THE GALLONS PER MINUTE (GPM) LISTED IN THE HYDRAULICS NOTES SECTION OF THIS SHEET OR ELSE PLUMBING VELOCITIES MAY EXCEED LEGAL LIMITS AND PIPES AND FIXTURES MAY BE SUBJECT TO DAMAGE.
- PROVIDE EMERGENCY TELEPHONE ACCESSIBLE FROM POOL DECK
- PROVIDE CARBON MONOXIDE DETECTOR IN EQUIPMENT ROOM
- PROVIDE NFPA 704 SIGNAGE AT DOOR TO EQUIPMENT ROOM.
- PROVIDE SHELVES IN CHEMICAL STORAGE AREA SO CHEMICALS MAY BE STORED ABOVE GROUND LEVEL.

LEGEND

- (P2) PENTAIR WHISPERFLO XF VS 5-HP PUMP
 - (P2) PENTAIR TR-140C SAND FILTER
 - (H) PENTAIR ET1400 NATURAL GAS HEATER (PROVIDE VENTING FOR HEATER)
 - (A) ACID TANK
 - (C) CHLORINE TANK
 - (CC) PENTAIR INTELLICHEM WATER CHEMISTRY CONTROLLER
 - (V) 3-WAY VALVE
 - (V2) BALL VALVE
 - (V3) CHEMICAL RESISTANT, CORROSION RESISTANT CHECK VALVE
 - (M) FLOW METER
 - (E) TOUCH & GO SWITCH BY WATER ODYSSEY
 - (ET) SINGLE TIMER CONTROLLER BY WATER ODYSSEY
 - (EO) EMERGENCY POOL OFF SWITCH
- 1) 6" PVC FROM POOL SUPERFLO 360 DRAINS #1 & #2
 - 2) 4" PVC FROM POOL SKIMMER LOOP
 - 3) 2" PVC FROM POOL VAC LINE
 - 4) 4" PVC TO POOL RETURN LOOP
 - 5) PROVIDE 1.5" WATERLINE TO PUMP ROOM FOR AUTOFILL. PROVIDE BACKFLOW PREVENTER ON WATER LINE
 - 6) 6" PVC FROM SUPERFLO 360 DRAINS #3 & #4
 - 7) 2" PVC TO GRAVITY CANNON #1
 - 8) 2" PVC TO GRAVITY CANNON #2
 - 9) 3" PVC TO UNDER-BRELLA
 - 10) 42" MIN. WIDE LOUVERED DOOR
 - 11) PROVIDE 200-AMP ELECTRICAL PANEL IN PUMP ROOM (LOCATE PER MEP)
 - 12) PROVIDE 400,000 BTU NATURAL GAS SERVICE TO PUMP ROOM FOR POOL HEATER
 - 13) LINEAR DRAIN IN PUMP ROOM FLOOR. CONTINUATION BY OTHERS
 - 14) PROVIDE FRESH AIR INTAKE & EXHAUST FOR HEATER (PER MANUFACTURER'S SPECIFICATIONS)
 - 15) PROVIDE MECHANICAL VENTILATION FOR EQUIPMENT ROOM
 - 16) BACKWASH LINE (RE: MEP). SEE POOL EQUIPMENT ROOM PROVISIONS NOTE #5, THIS SHEET



EQUIPMENT ROOM PLAN
 SCALE: 1/2"=1'-0"

SUMMIT VIEW FARMS
 POOL CONSTRUCTION DOCUMENTS
 LEE'S SUMMIT, MISSOURI

REVISION:
 1 1/10/2022 CITY COMMENTS

DECEMBER 2, 2021
 POOL PLUMBING PLAN

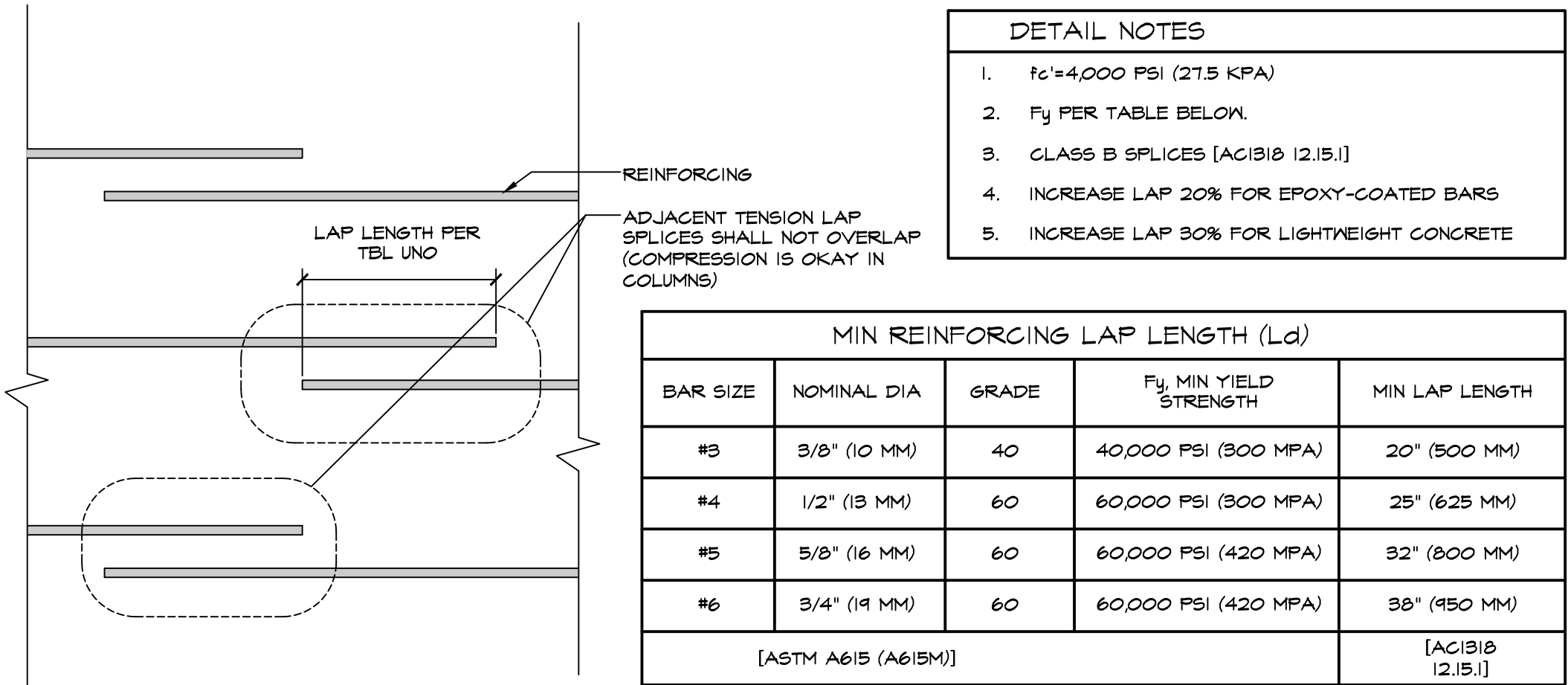
W004

POOL WALL AND FLOOR REINFORCING SCHEDULE:

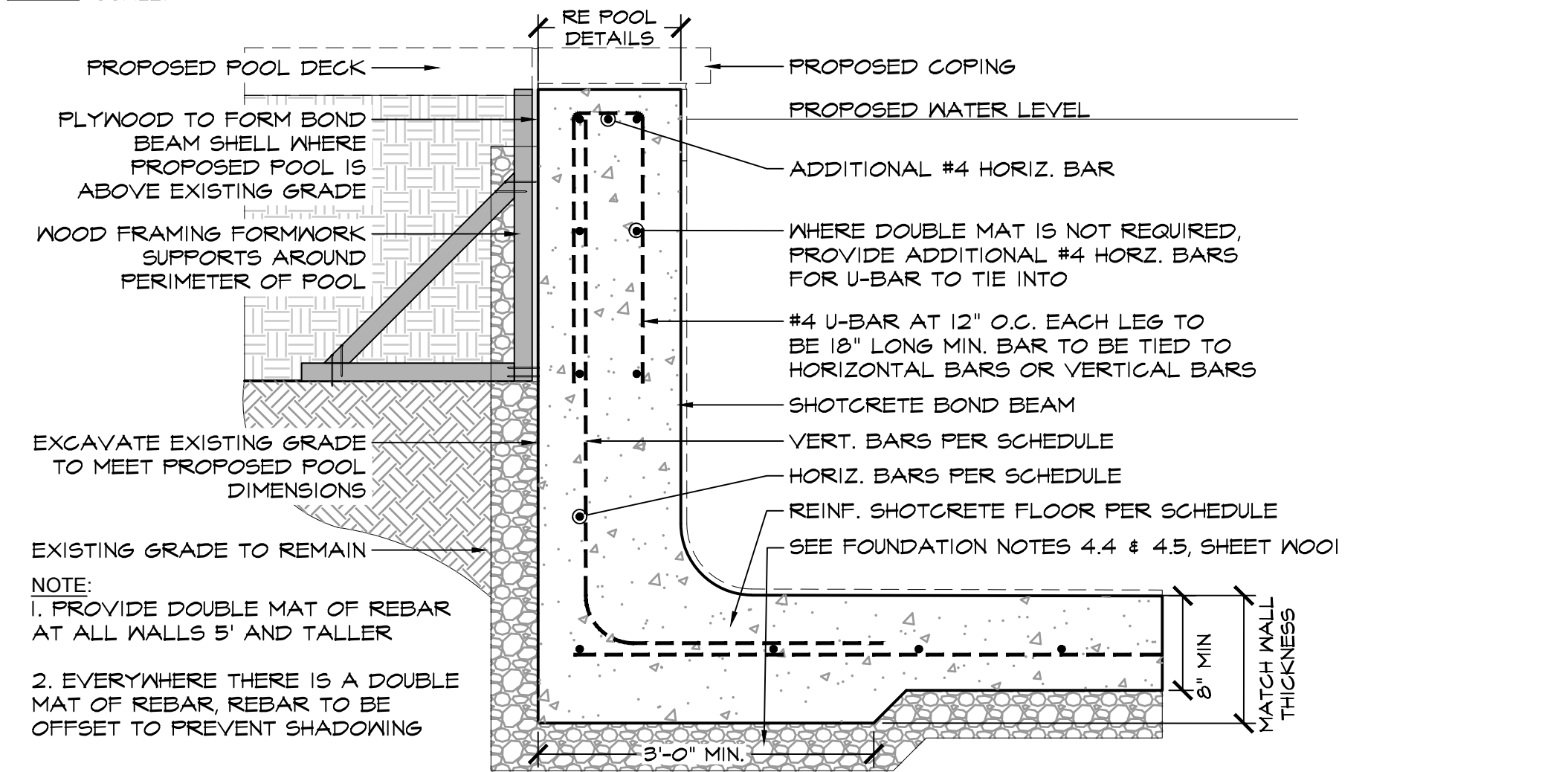
WATER DEPTH	SPRING LINE	RADIUS "R"	POOL WALL			FLOOR SLAB		
			THICKNESS "T"	SOIL SIDE VERT. REINF.	SOIL SIDE HORIZ. REINF.	POOL SIDE WALL REINF.	THICKNESS	REINF.
0'-0" TO 3'-0"	0'-0" TO 3'-4"	3'	8" MIN	#4 @ 12" O.C.	#4 @ 12" O.C.	-	8" MIN.	#4 @ 12" O.C. E.N.
3'-0" TO 8'-0"	3'-6" TO 7'-6"	6'	12" MIN	#4 @ 12" O.C.	#4 @ 12" O.C.	TO MATCH SOIL SIDE	8" MIN.	#4 @ 12" O.C. E.N.
8'-0" TO 10'-0"	6'-2" TO 8'-2"	1'-10"	12" MIN	#4 @ 9" O.C.	#4 @ 12" O.C.	TO MATCH SOIL SIDE	8" MIN.	#4 @ 12" O.C. E.N.

- POOL REINFORCING SCHEDULE NOTES:**
- SEE POOL PLAN FOR SECTIONS AND DETAILS AT THE SHALLOW AREAS OF THE POOL.
 - THE SPRINGLINE ELEVATION IS THE VERTICAL WATER DEPTH WHERE THE RADIUS LENGTH INTERSECTS THE SURFACE OF THE POOL FLOOR.
 - PROVIDE 2" OF CONCRETE, OR GUNITE COVER ON ALL WALL REINFORCING BARS.
 - SUPPORT FLOOR SLAB REINFORCING BARS ON BAR SUPPORTS @ 36" O.C. EACH WAY WITH CONCRETE BLOCK OR CHAIRS PER ACI 301. SEE DETAILS FOR BAR SUPPORT HEIGHTS.
 - REINFORCING STEEL SHOWN IN SCHEDULE IS MINIMUM REQUIRED. CONTRACTOR SHALL PROVIDE ADDITIONAL STEEL PER CROSS SECTIONS

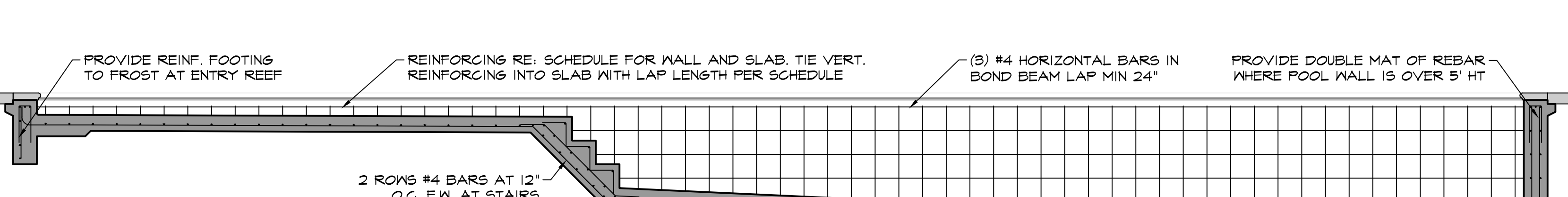
1 POOL REINFORCING SCHEDULE
SCALE: NTS



5 SHOTCRETE NON-CONTACT LAP SPLICES
SCALE: NTS

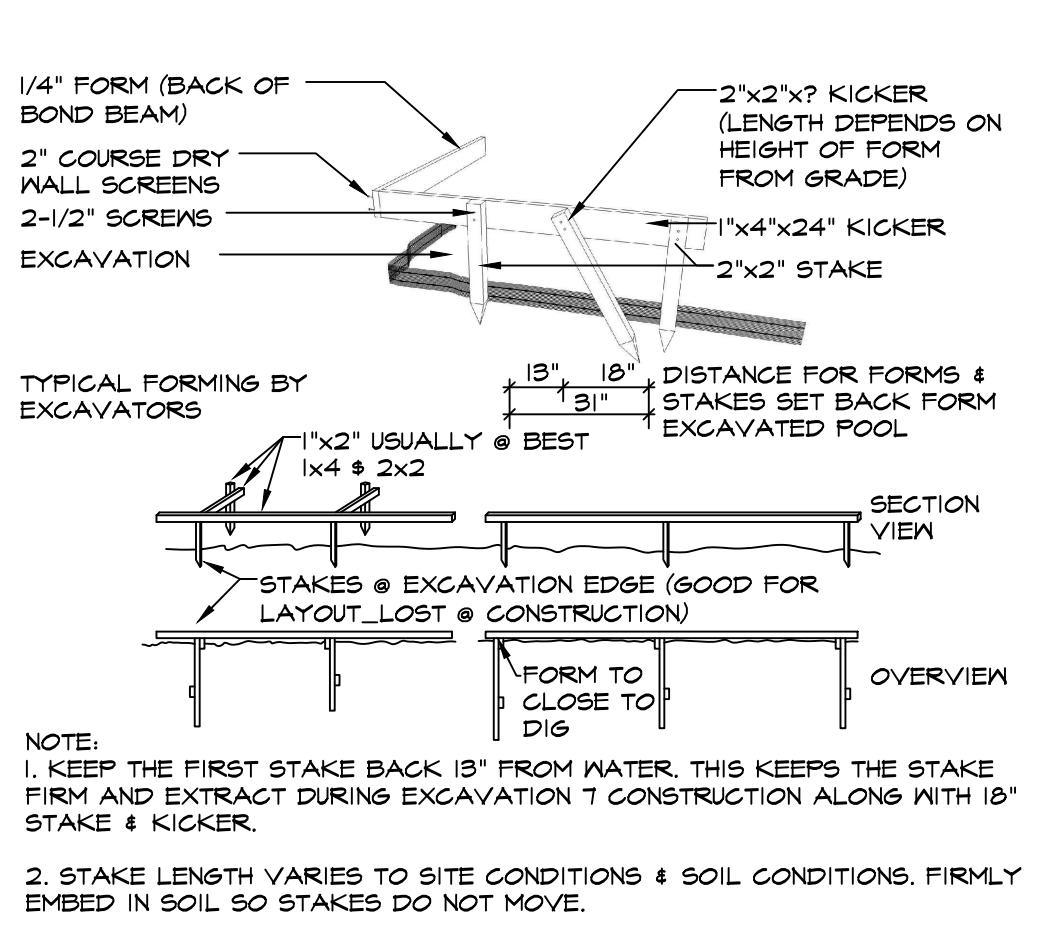


9 TYPICAL REBAR TYING / WALL FRAMING FORMWORK
SCALE: NTS SECTION

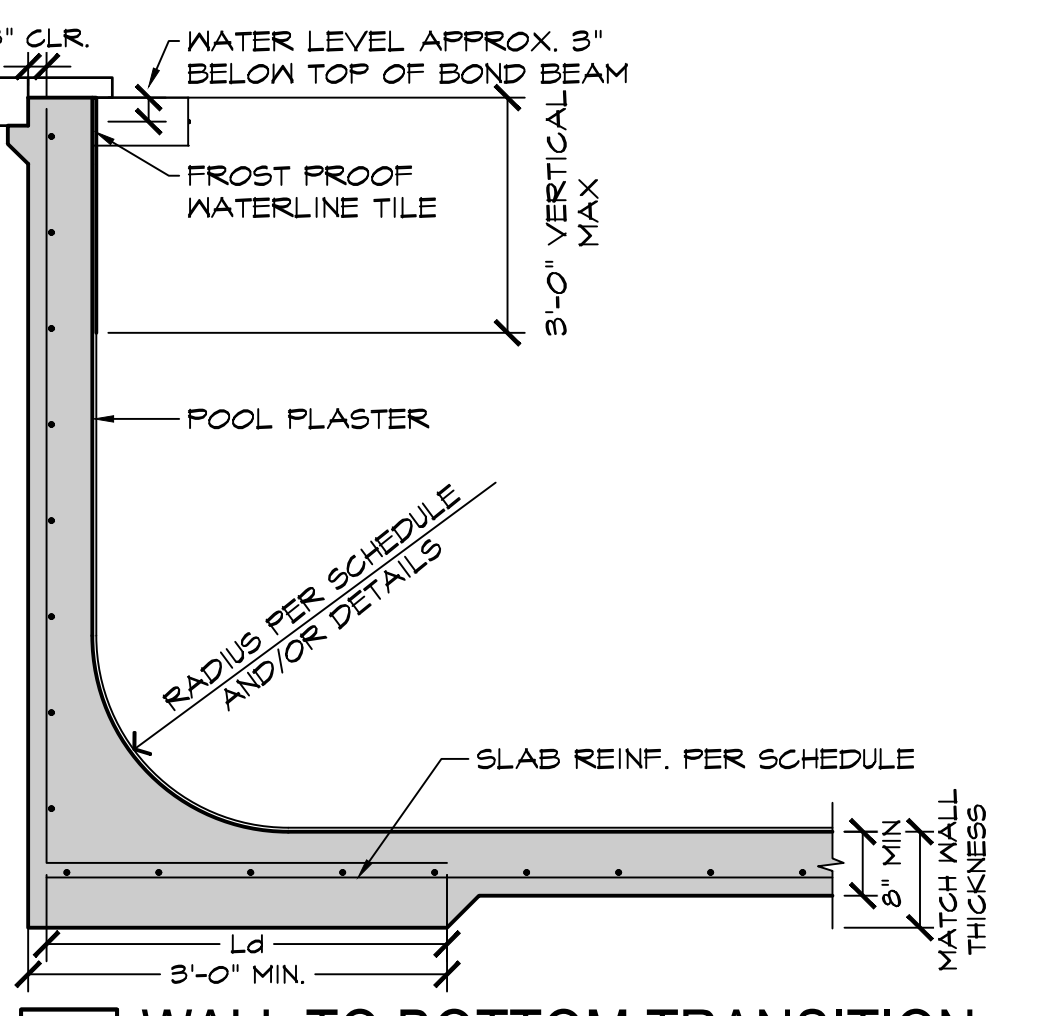


- NOTE**
- THIS IS A DIAGRAM ILLUSTRATION FOR POOL REINFORCING. SEE POOL PLAN AND CROSS SECTIONS FOR DEPTHS AND SLOPES
 - FOOTING DESIGNS ARE BASED ON AN ASSUMED STABLE, NON-EXPANSIVE SOIL WITH AN ALLOWABLE FOUNDATION PRESSURE OF 1500 PSF WITH A MAXIMUM DIFFERENTIAL SETTLEMENT OF 1/2 INCH. CONTRACTOR SHALL HIRE A GEOTECHNICAL ENGINEER TO DETERMINE WHETHER OR NOT SOIL MEETS THIS MINIMUM CRITERIA AND IF IT DOES NOT, SHALL NOTIFY ENGINEER SO THAT THE FOUNDATION MAY BE REDESIGNED ACCORDINGLY.
 - DOUBLE MAT OF REBAR SHALL BE PROVIDED AT ALL SHOTCRETE WALLS 5' AND GREATER IN HEIGHT. REBAR TO BE OFFSET TO PREVENT SHADOWING
 - DOUBLE MAT OF REBAR SHALL BE PROVIDED AT ALL SHOTCRETE WALL GREATER THAN 12" THICK. REBAR TO BE OFFSET TO PREVENT SHADOWING

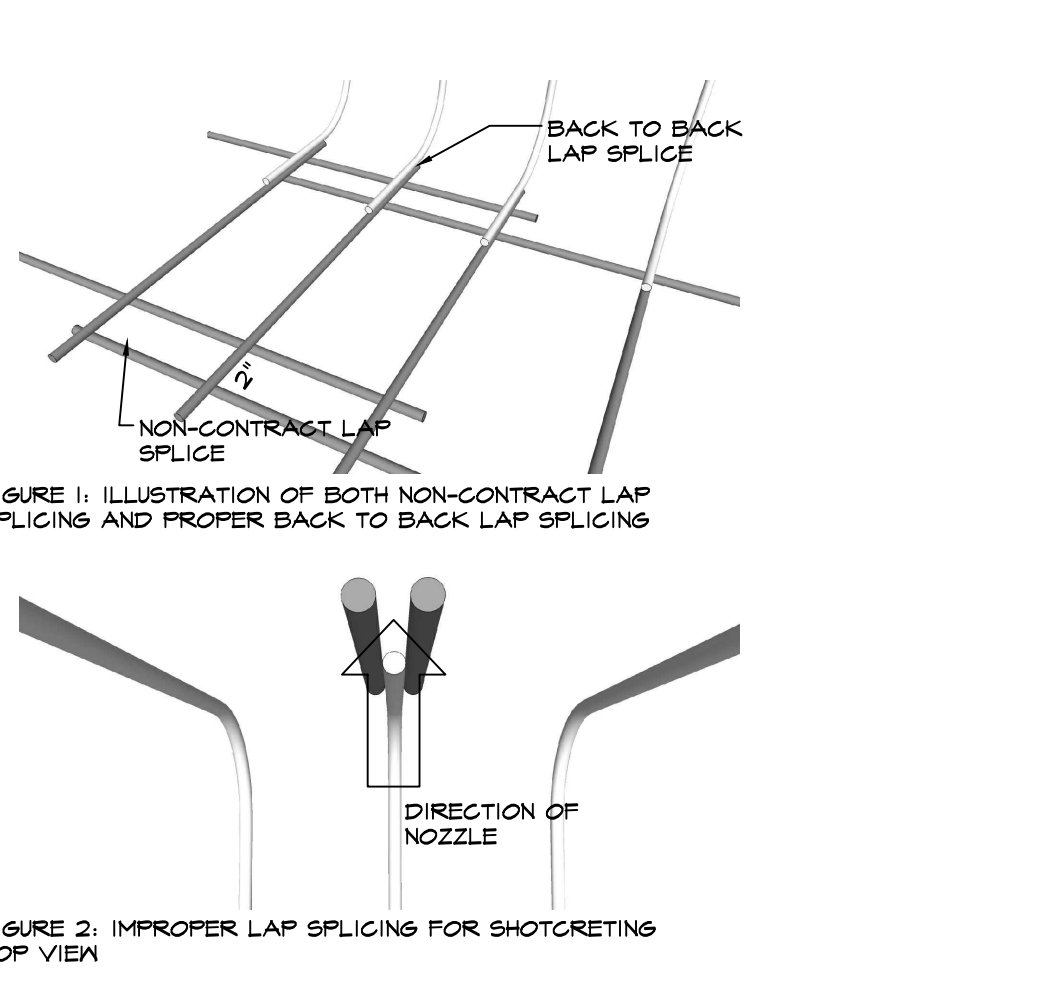
13 TYPICAL POOL REINFORCING CROSS SECTION
SCALE: NTS



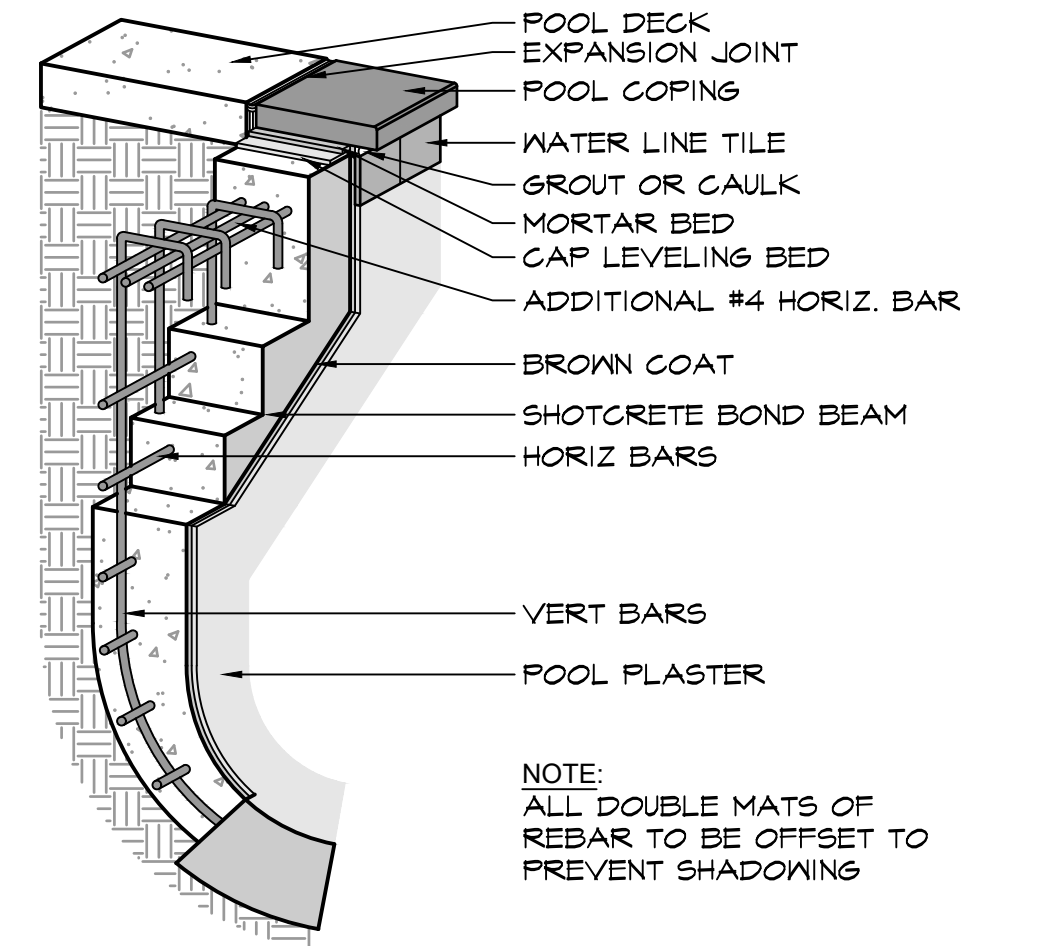
2 STRUCTURAL FRAMING FORMWORK
SCALE: NTS



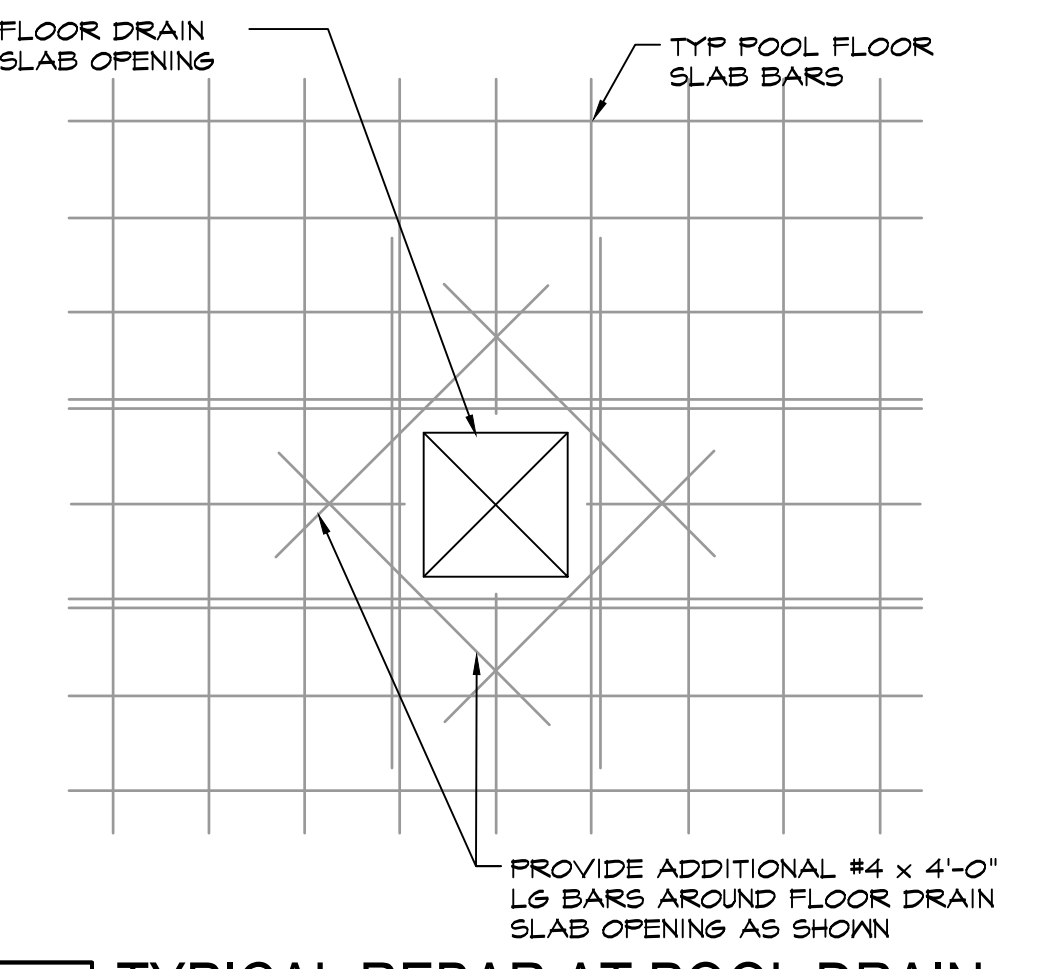
6 WALL TO BOTTOM TRANSITION
SCALE: 1/2" = 1'-0" SECTION



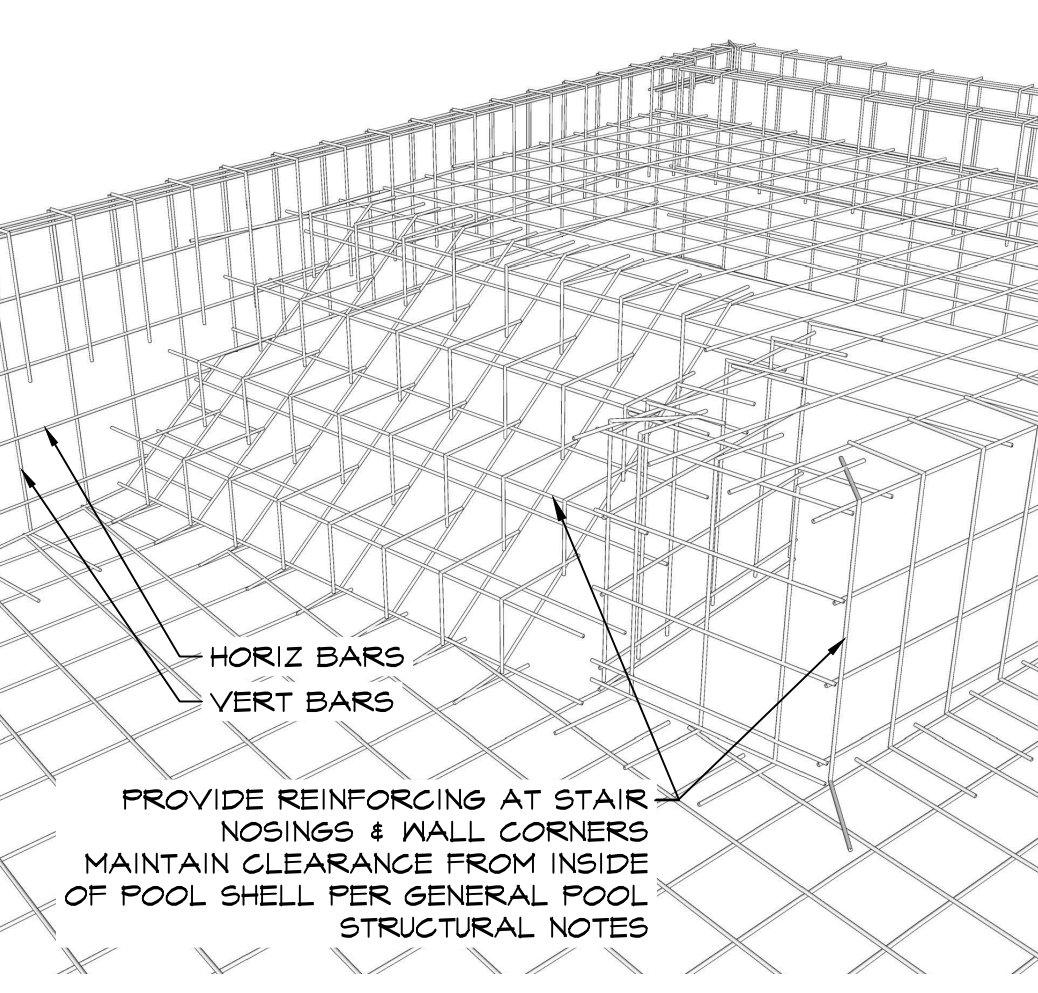
10 LAP SPLICING SHOTCRETE
SCALE: NTS ILLUSTRATIVE VIEW



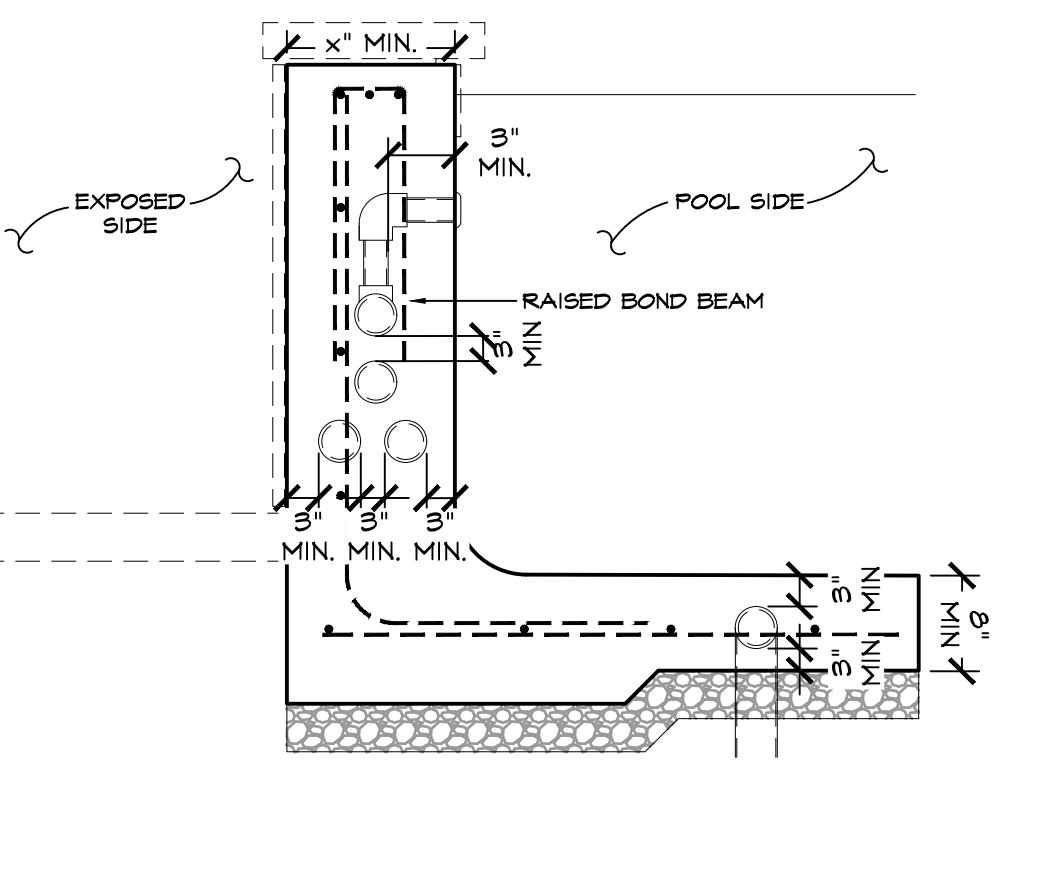
3 BOND BEAM REBAR VIGNETTE
SCALE: NTS ILLUSTRATIVE VIEW



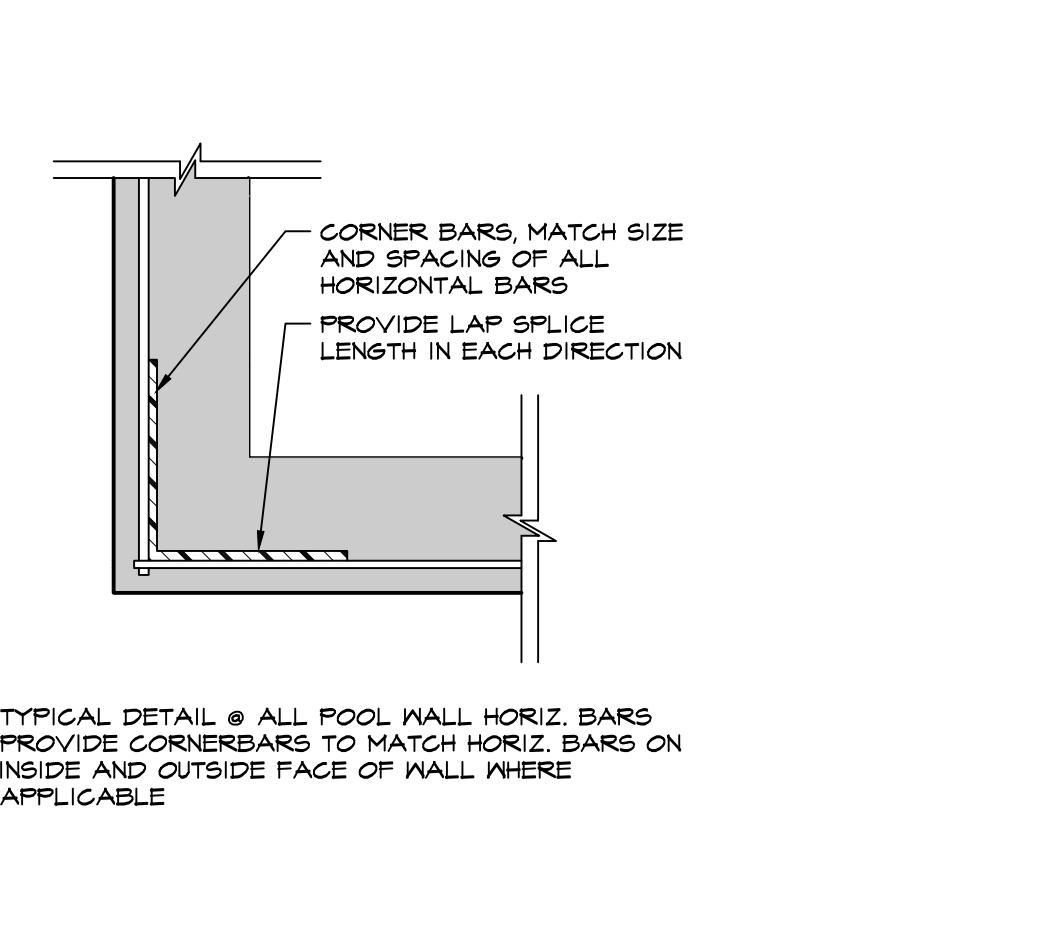
7 TYPICAL REBAR AT POOL DRAIN
SCALE: 1" = 1'-0" SECTION



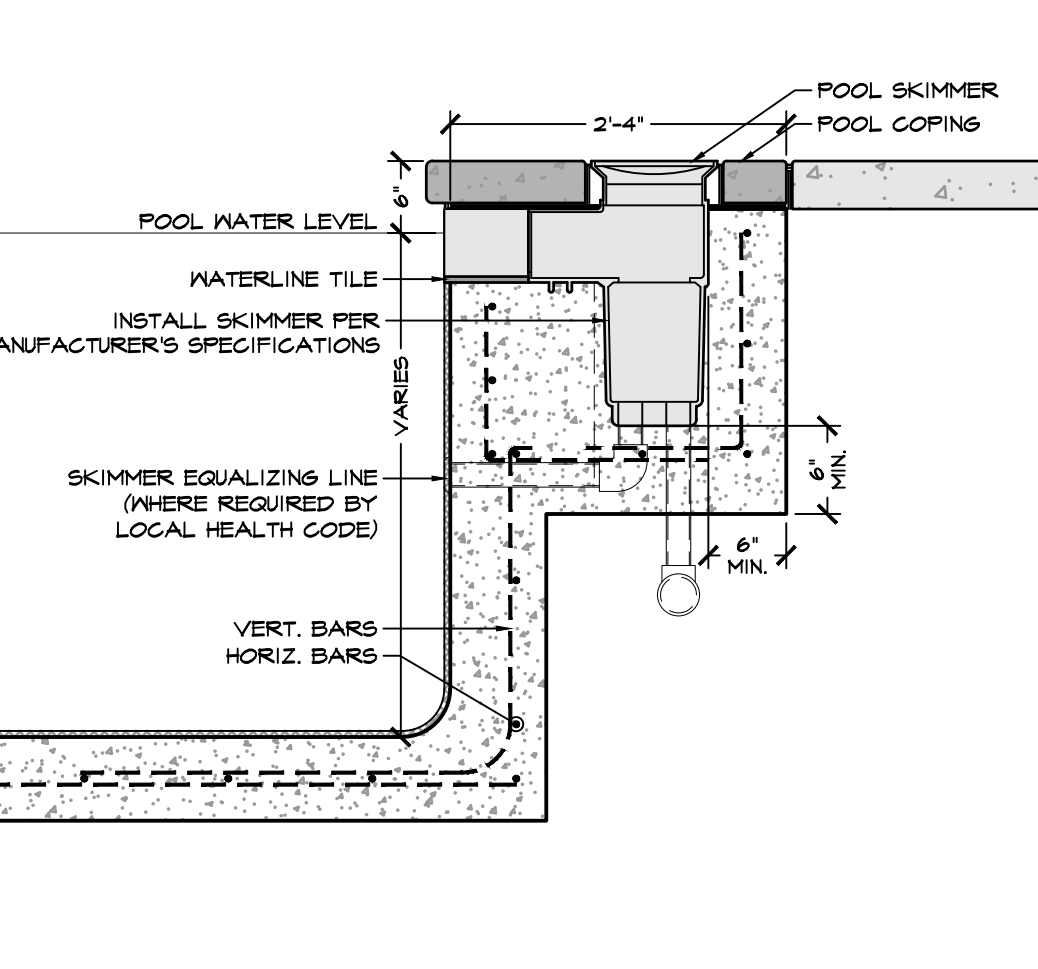
11 TYPICAL REBAR LAYOUT
SCALE: N.T.S. VIGNETTE



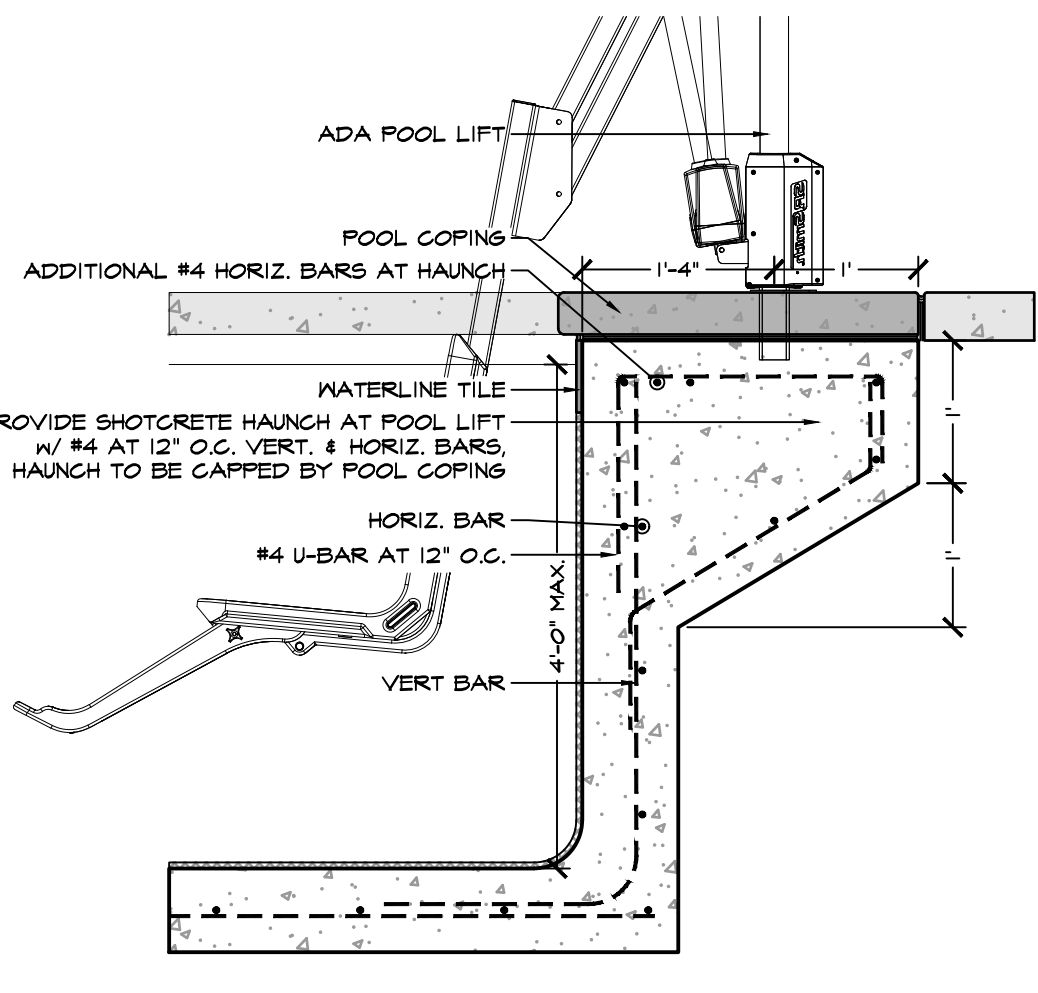
14 BOND BEAM PLUMBING CLEARANCES
SCALE: N.T.S. CROSS SECTION



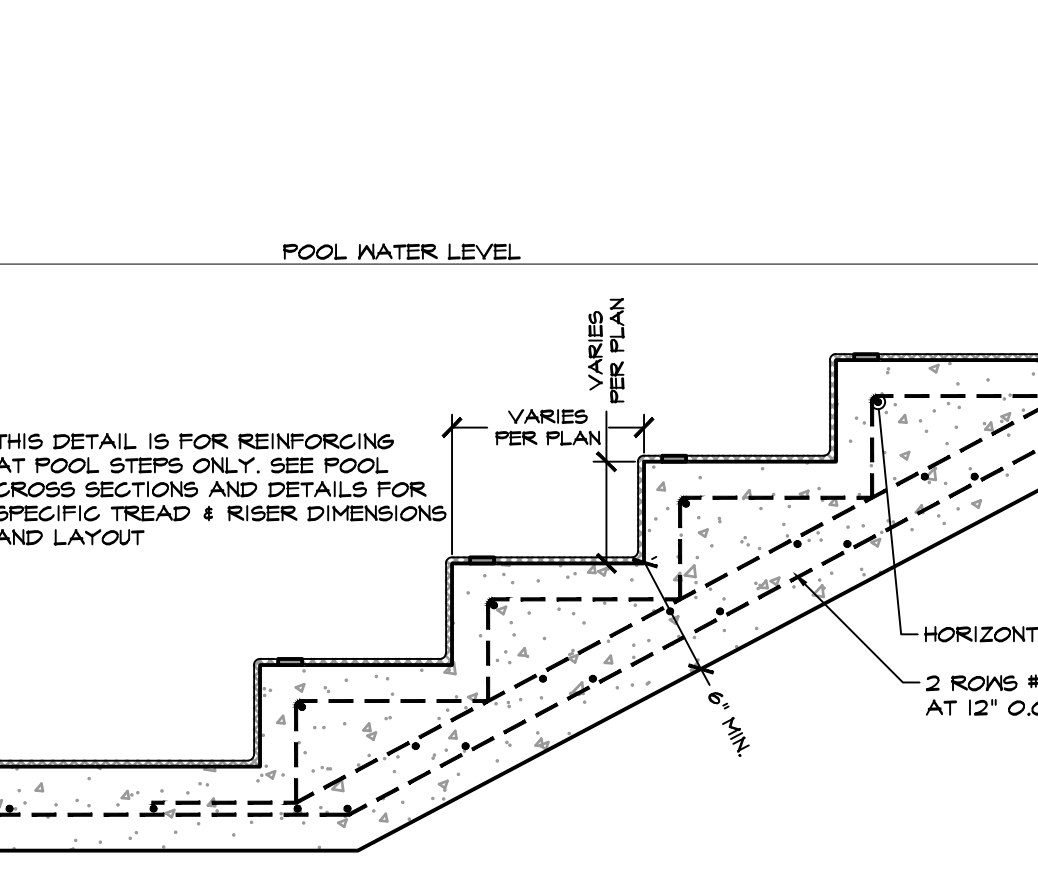
4 CORNER BAR DETAIL
SCALE: NTS



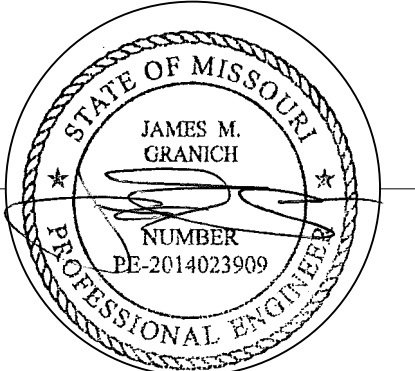
8 REINFORCING AT SKIMMER
SCALE: N.T.S. CROSS SECTION



12 ADA LIFT INSTALLATION
SCALE: N.T.S. CROSS SECTION

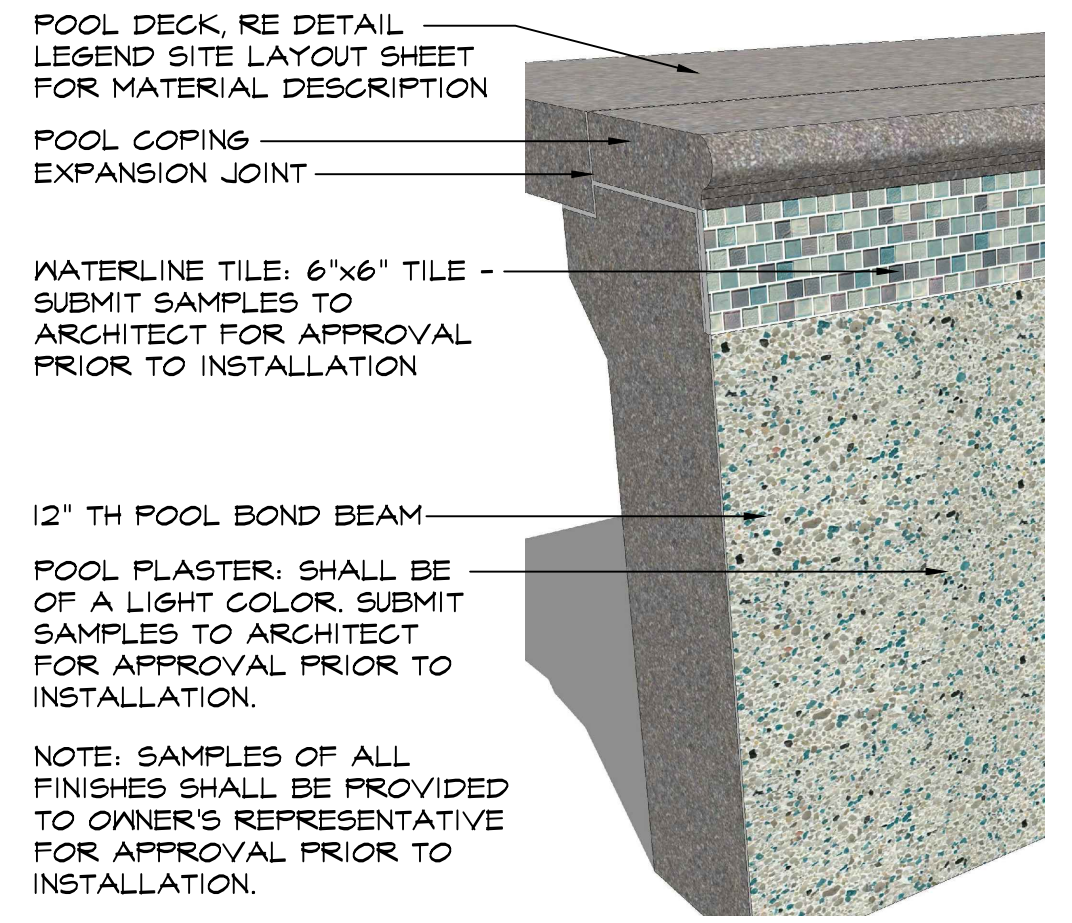


15 REINFORCING AT POOL STEPS
SCALE: N.T.S. CROSS SECTION

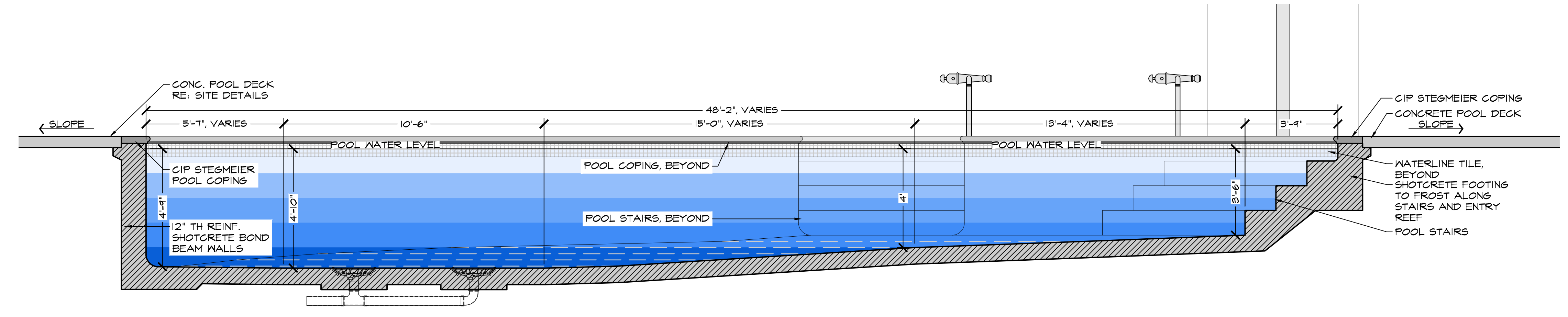


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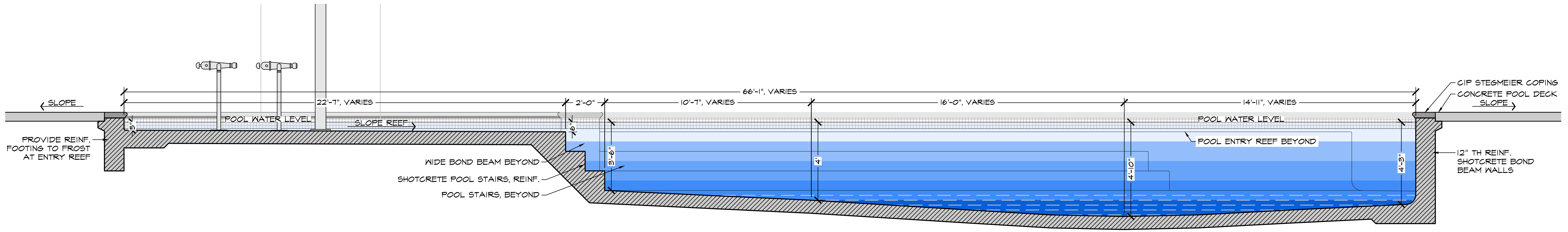
SUMMIT VIEW FARMS
POOL CONSTRUCTION DOCUMENTS
LEE'S SUMMIT, MISSOURI



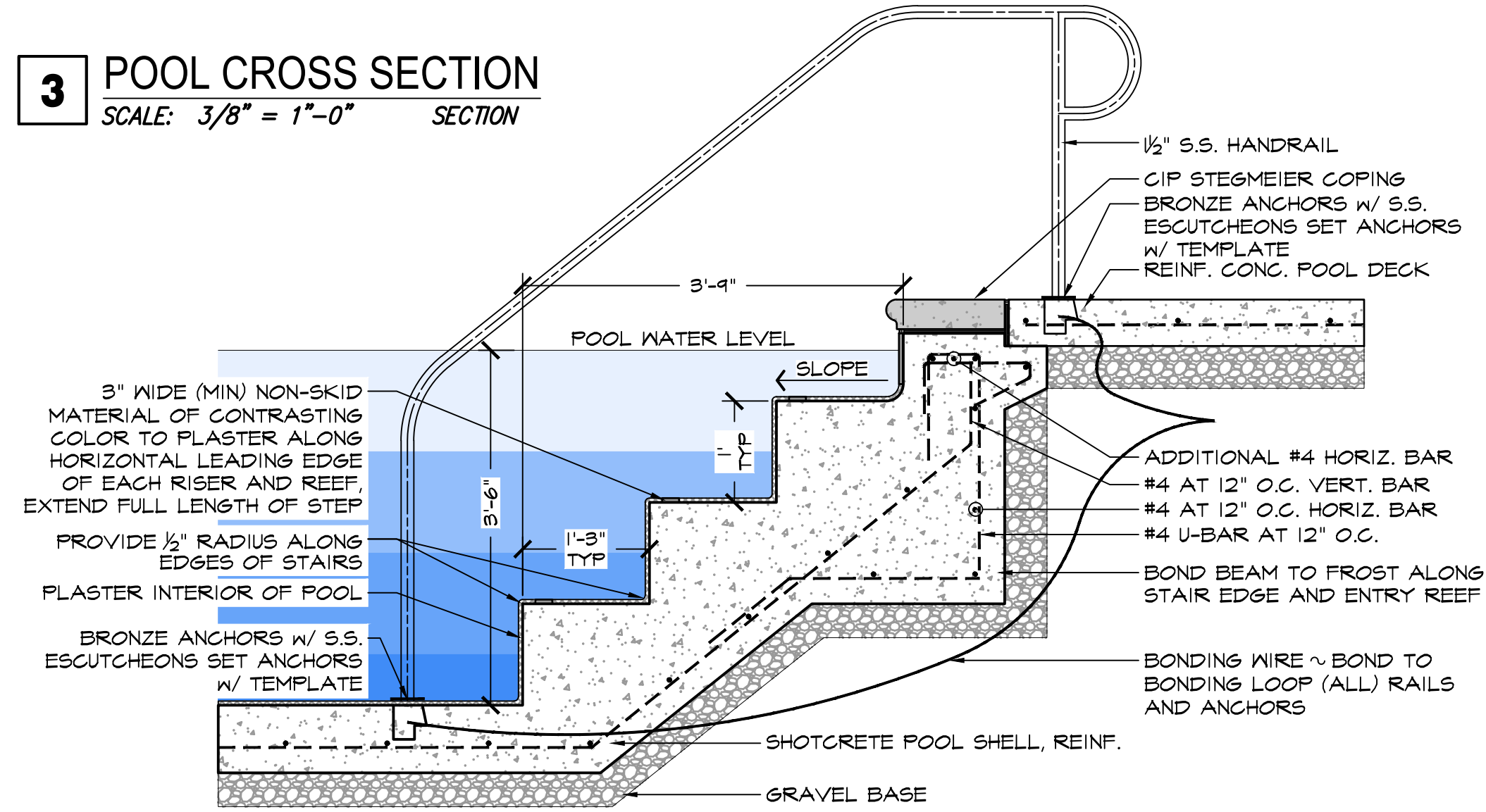
1 POOL FINISHED DIAGRAM
SCALE: NTS ILLUSTRATIVE VIEW



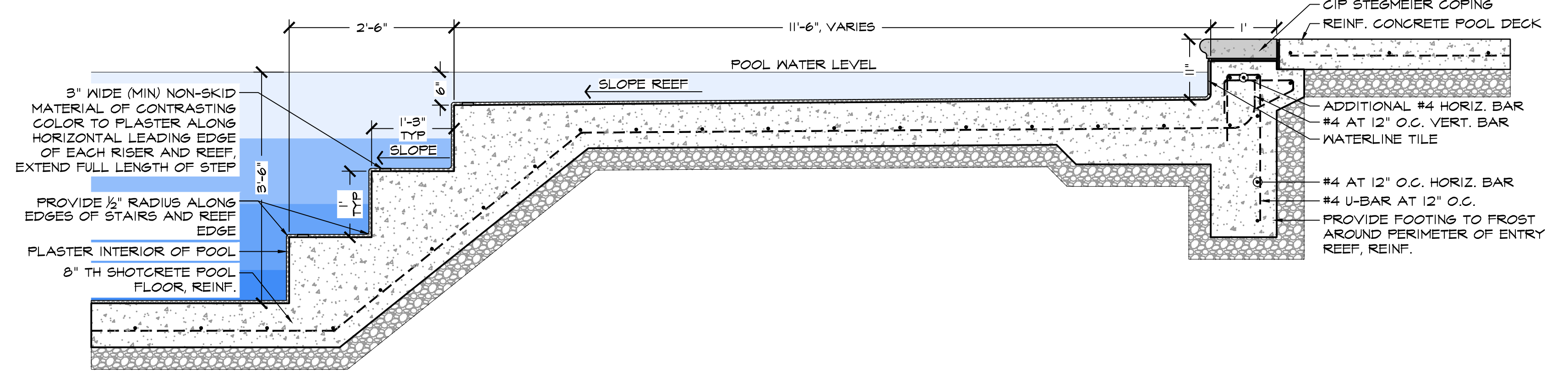
2 POOL CROSS SECTION
SCALE: 3/8" = 1'-0" SECTION



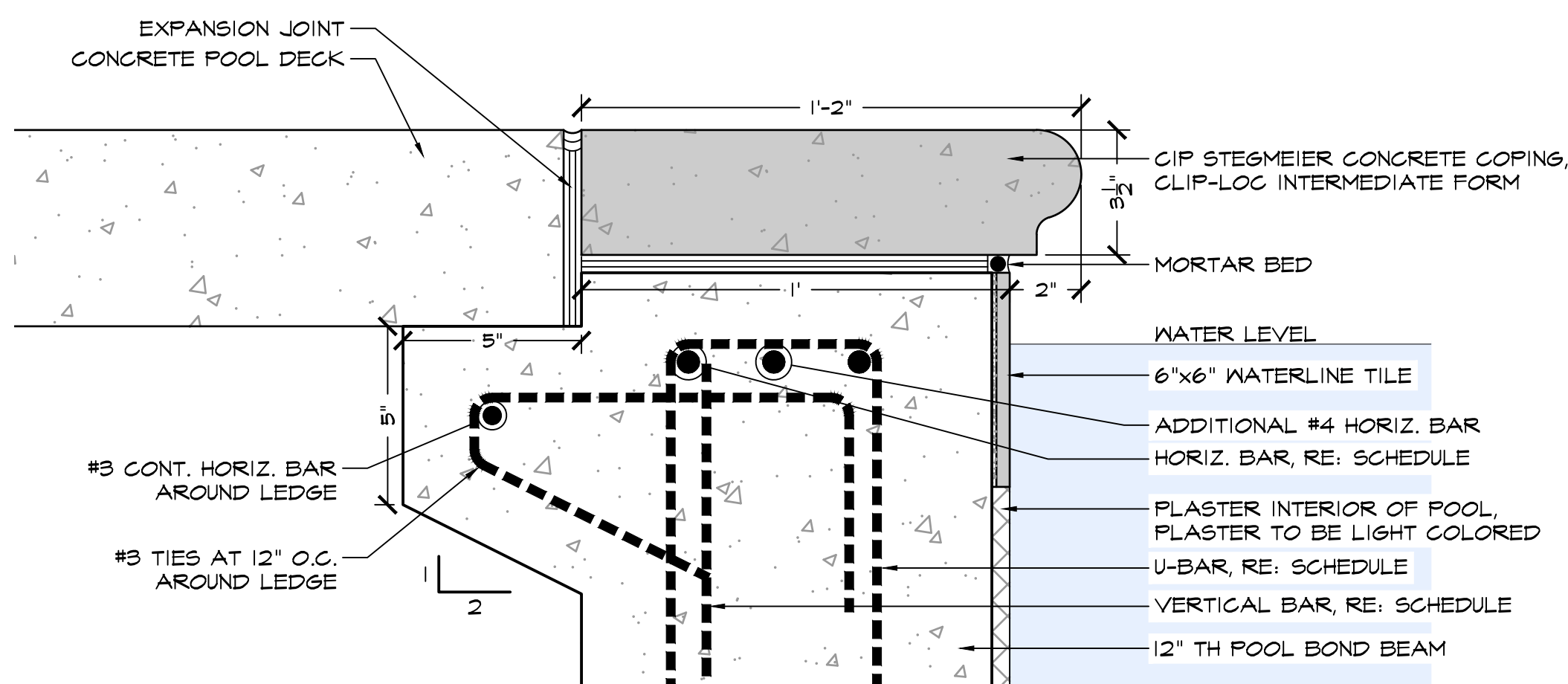
3 POOL CROSS SECTION
SCALE: 3/8" = 1'-0" SECTION



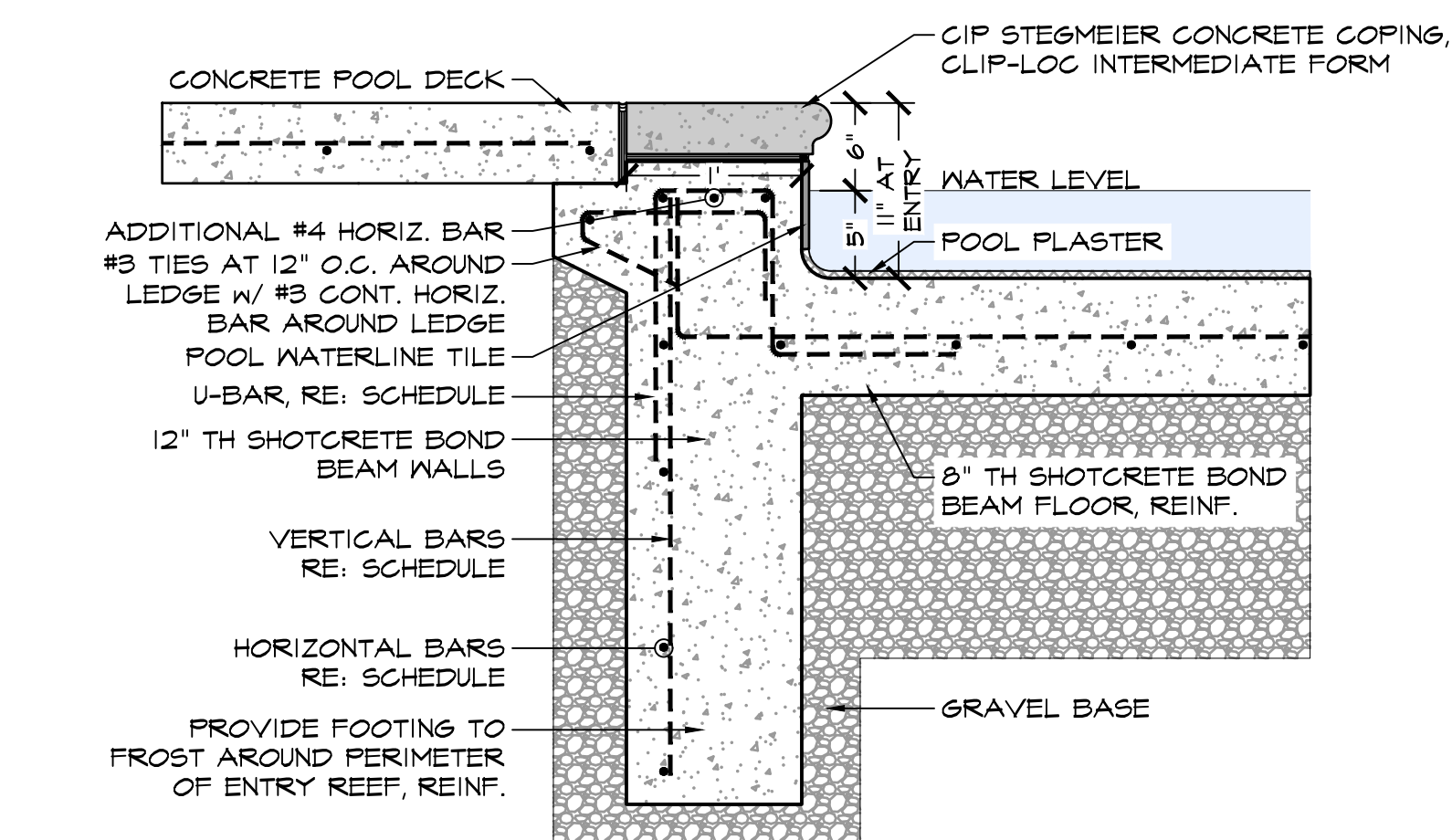
4 POOL STAIRS
SCALE: 3/4" = 1'-0" SECTION



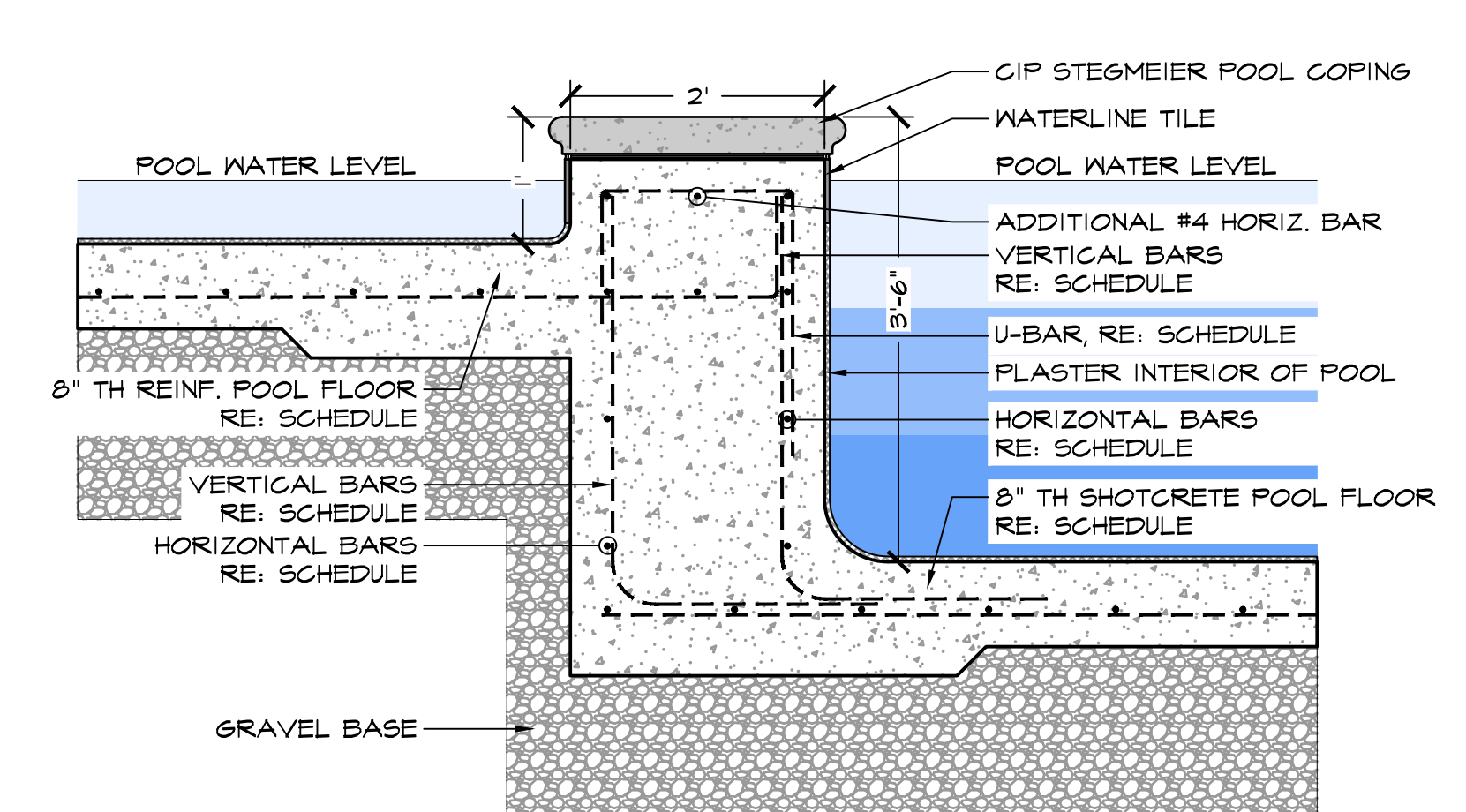
5 POOL REEF AND STAIRS
SCALE: 3/4" = 1'-0" SECTION



6 POOL COPING & BOND BEAM
SCALE: 3" = 1'-0" SECTION



7 POOL ENTRY REEF
SCALE: 1" = 1'-0" SECTION



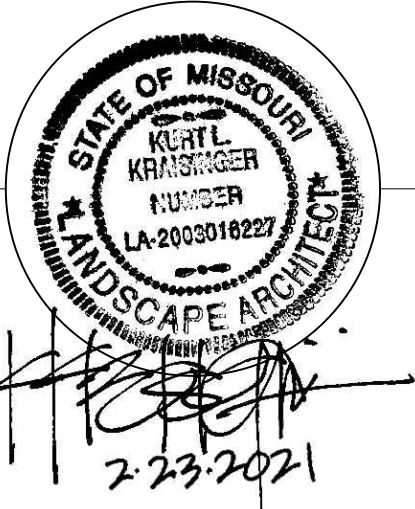
8 POOL WIDE BOND BEAM
SCALE: 3/4" = 1'-0" SECTION

REVISION:

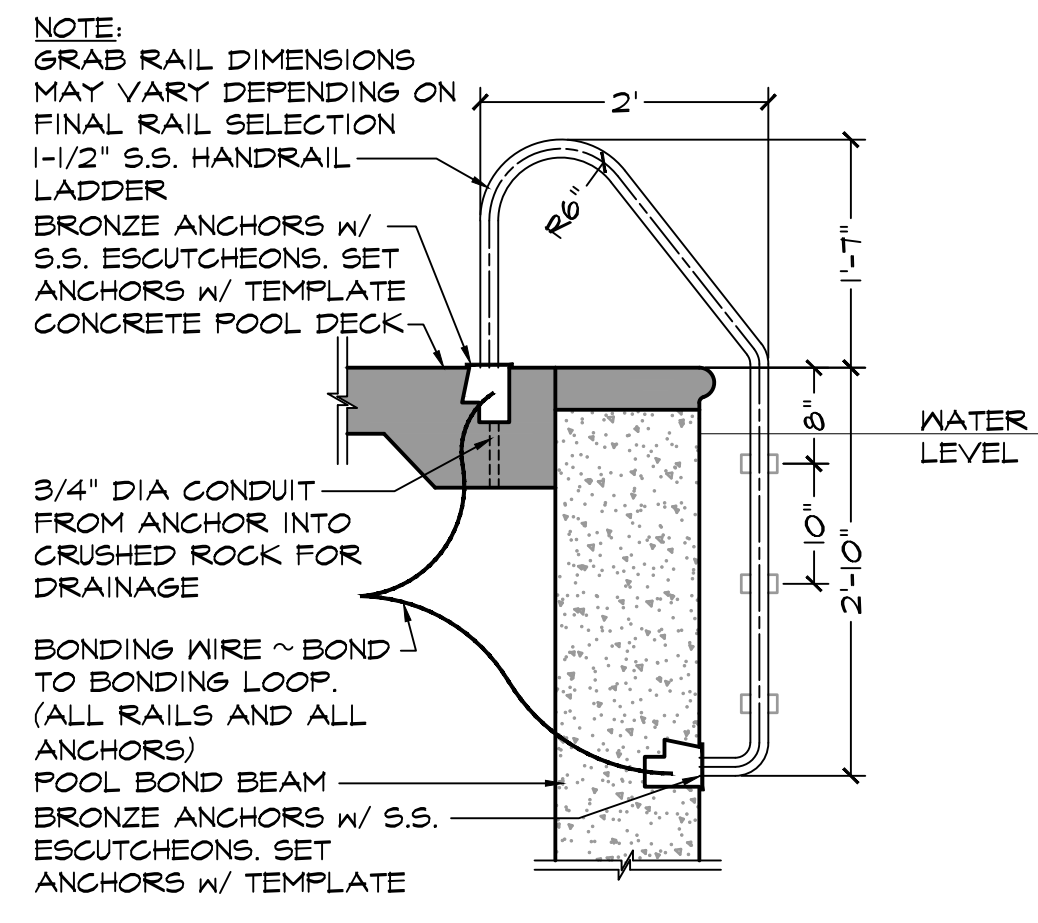
DECEMBER 2, 2021

POOL DETAILS

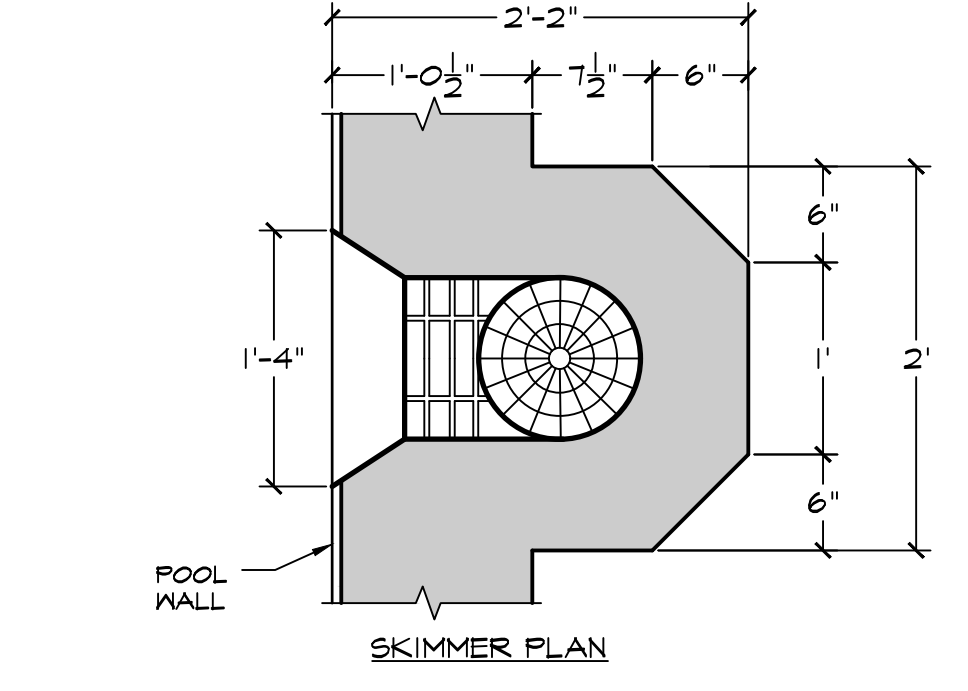
W103



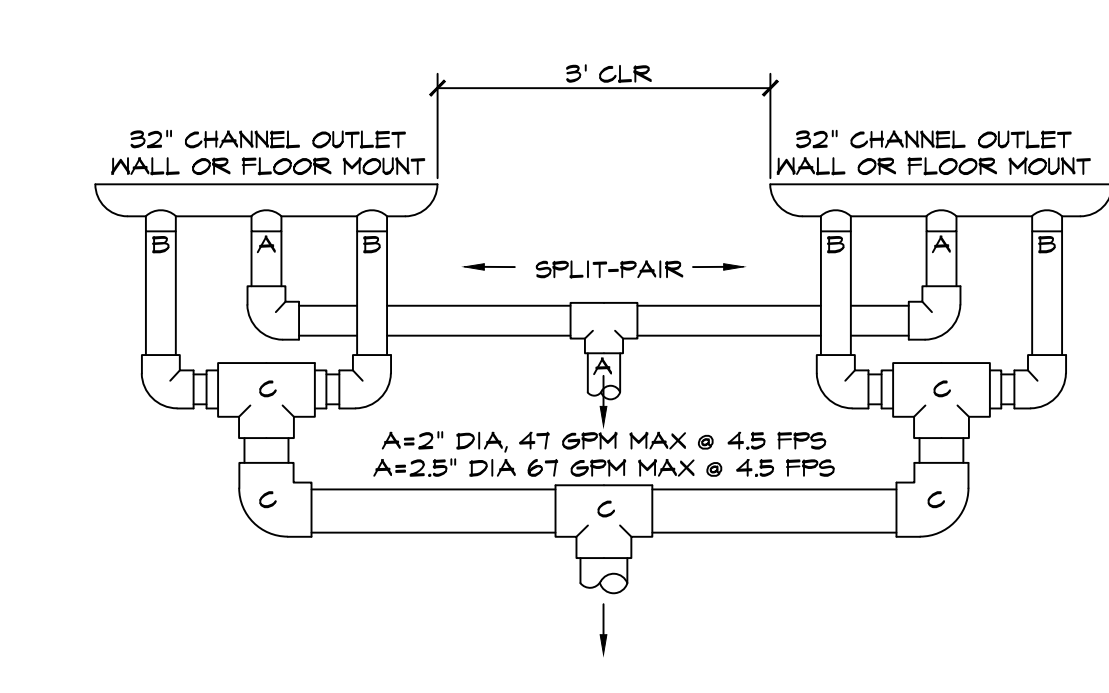
SUMMIT VIEW FARMS
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LEE'S SUMMIT, MISSOURI



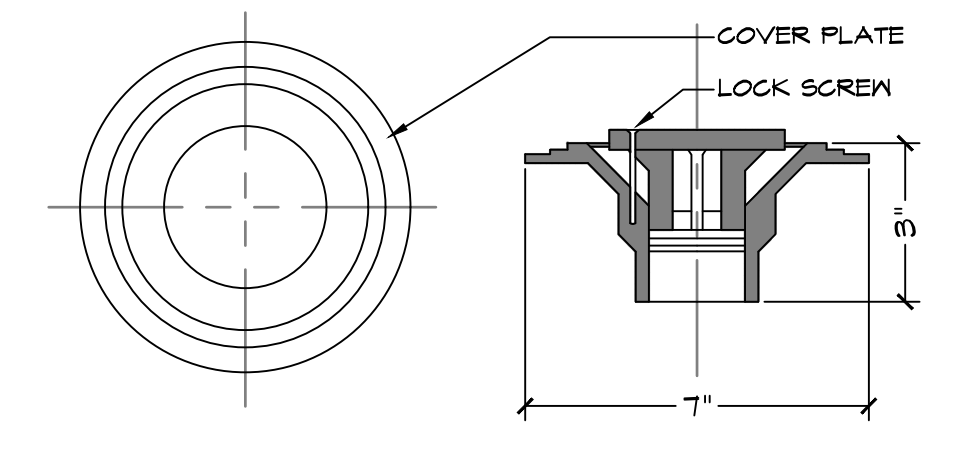
1 POOL HANDRAIL DETAIL
SCALE: 3/4" = 1'-0" SECTION



2 MAIN DRAIN w/ HYDROSTAT
SCALE: 1/2" = 1'-0" SECTION

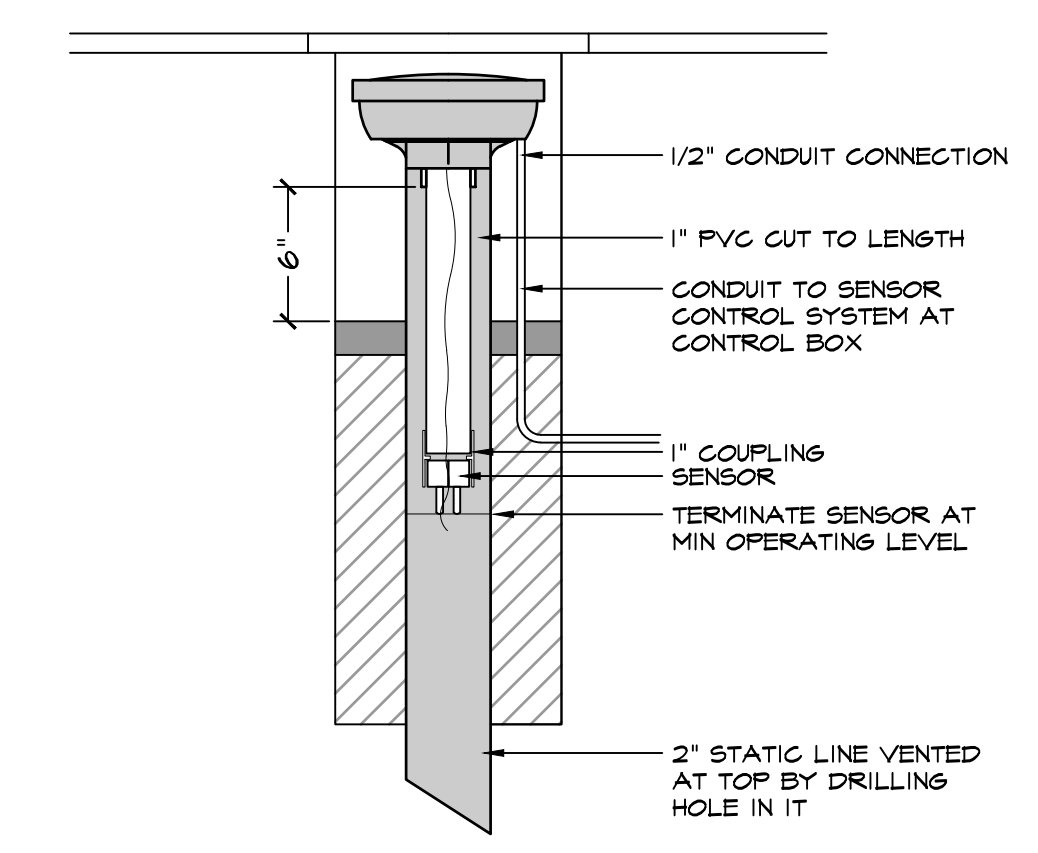


3 CHANNEL OUTLET CONFIGURATION
SCALE: NTS SECTION

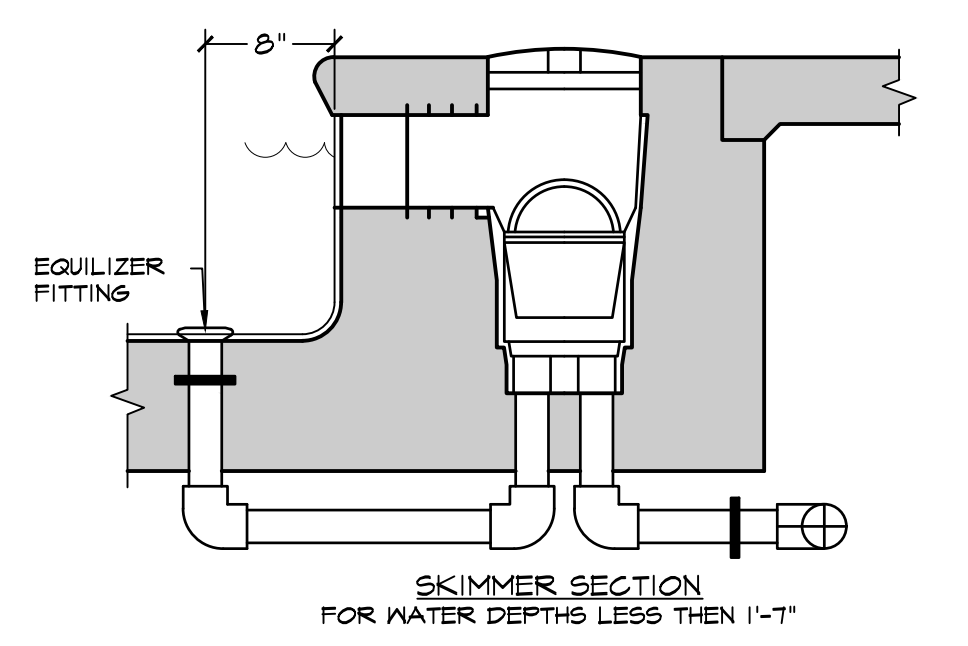
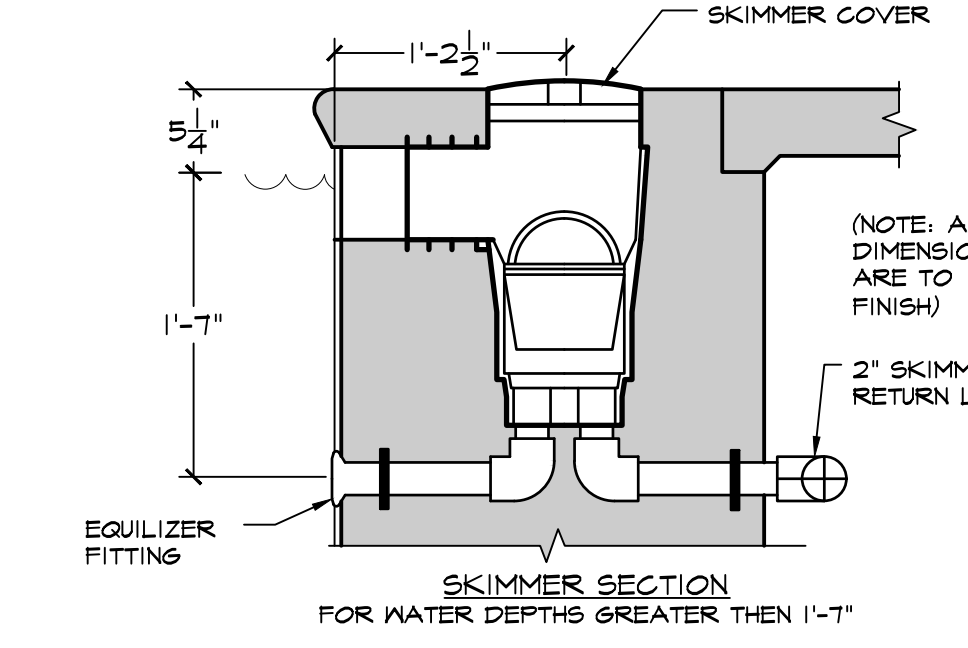


WARNINGS:
USE OF THIS FITTING AS A SUCTION OUTLET IS HAZARDOUS, RISK OF HAIR OR BODY ENTRAPMENT, DROWNING OR DISEMPOWERMENT.
DO NOT USE COVER ON ANY SUCTION OR OUTLET FITTING. USE ONLY AS AN EXACT REPLACEMENT COVER ON A FLOOR INLET FITTING.

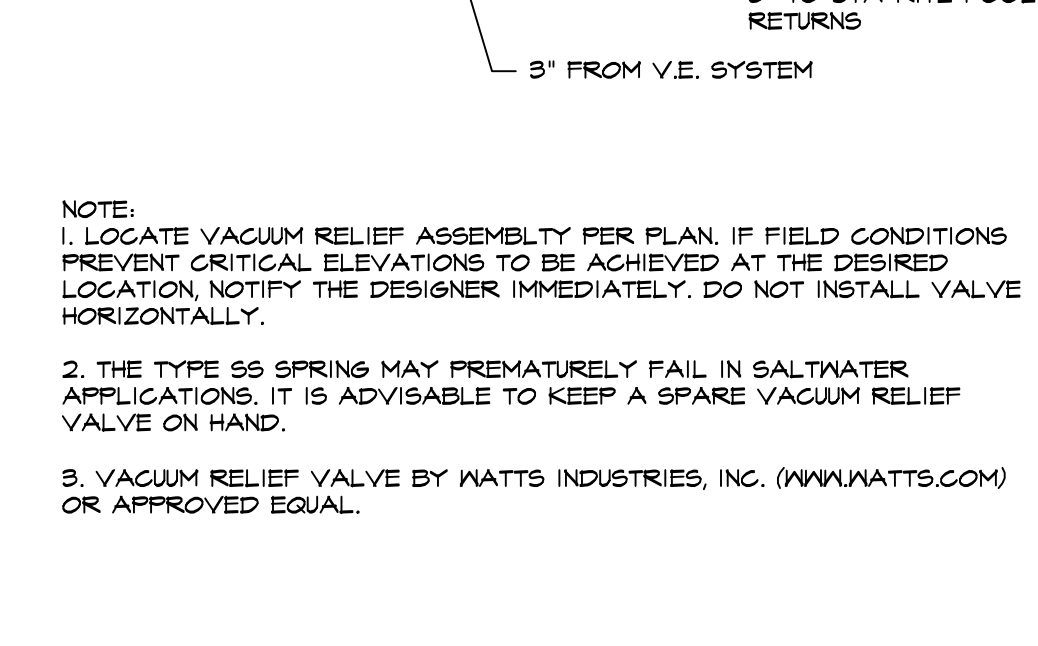
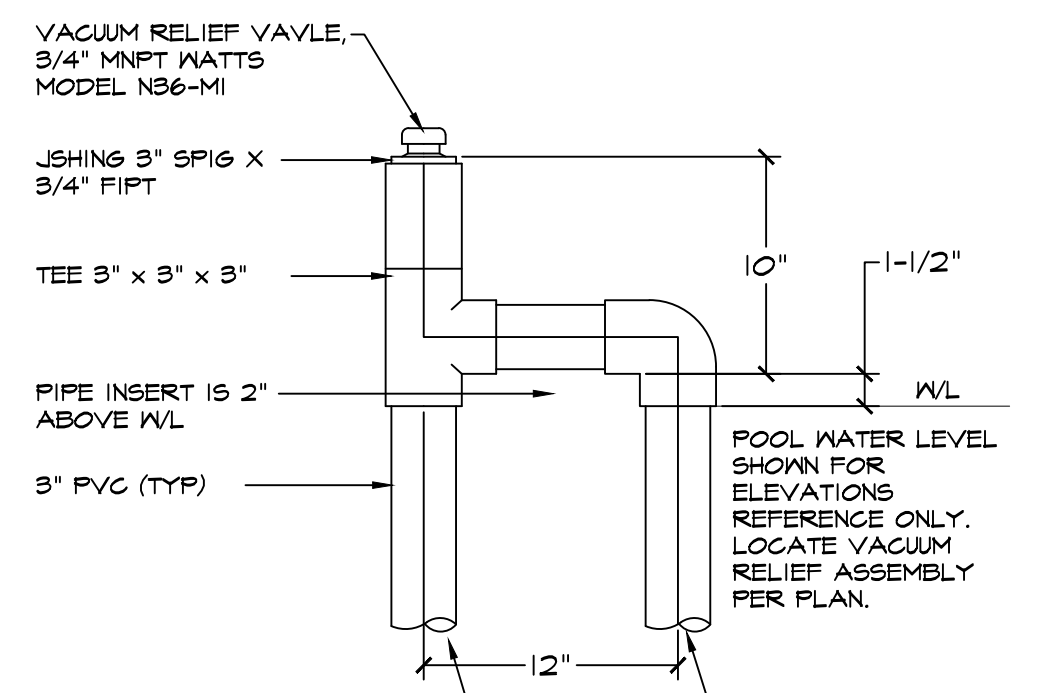
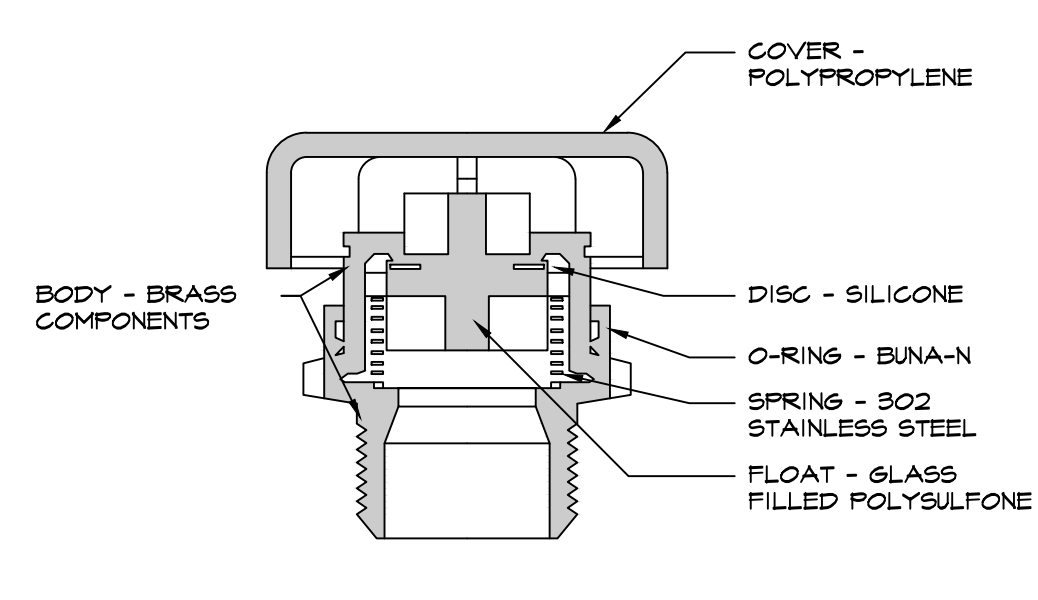
4 SECTION OUTLET FITTING
SCALE: NTS SECTION



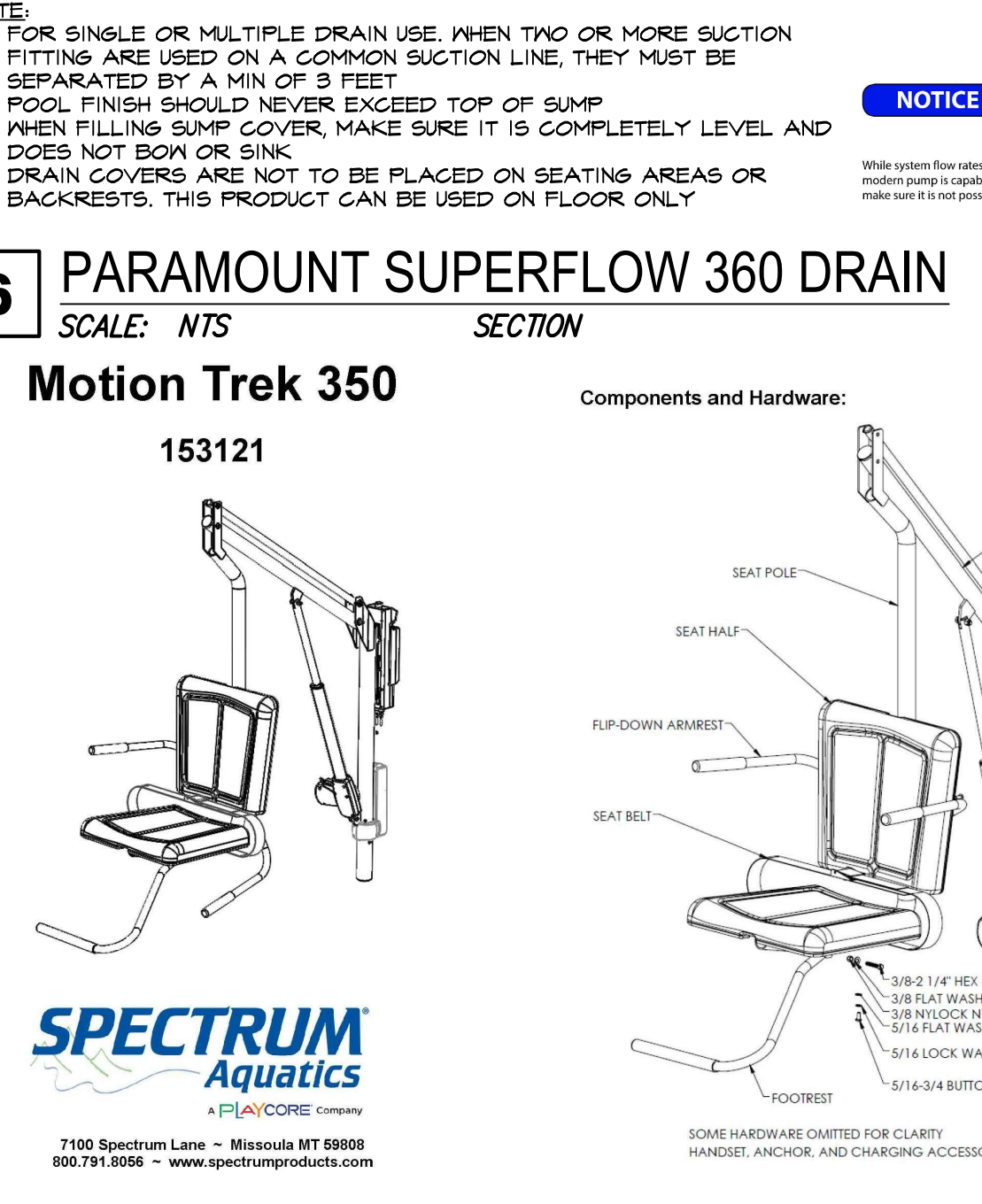
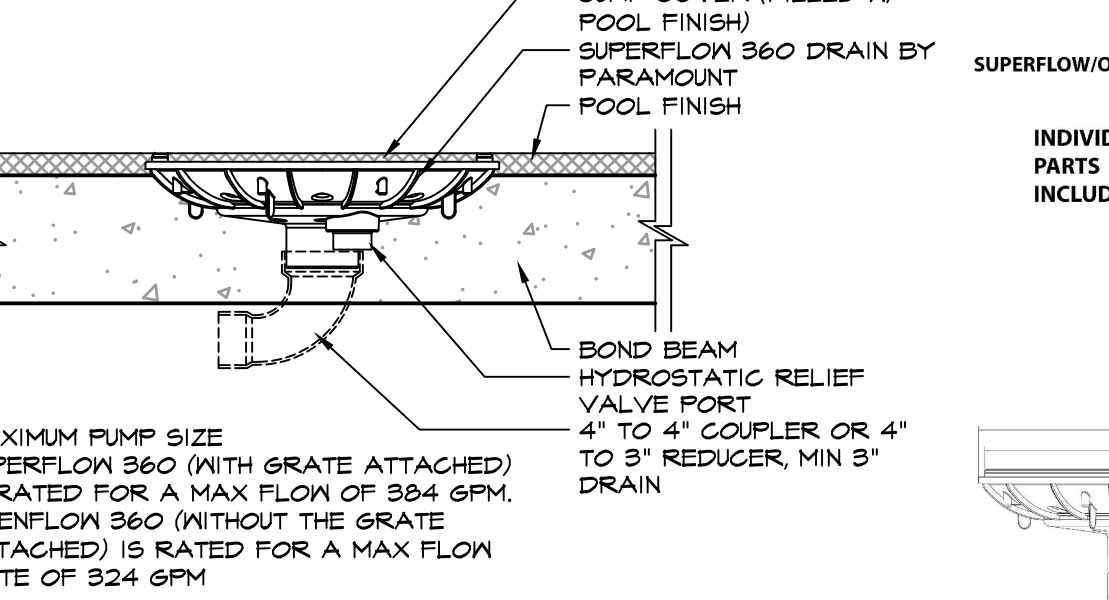
5 DECK LID LEVELOR INSTALLATION
SCALE: NTS SECTION



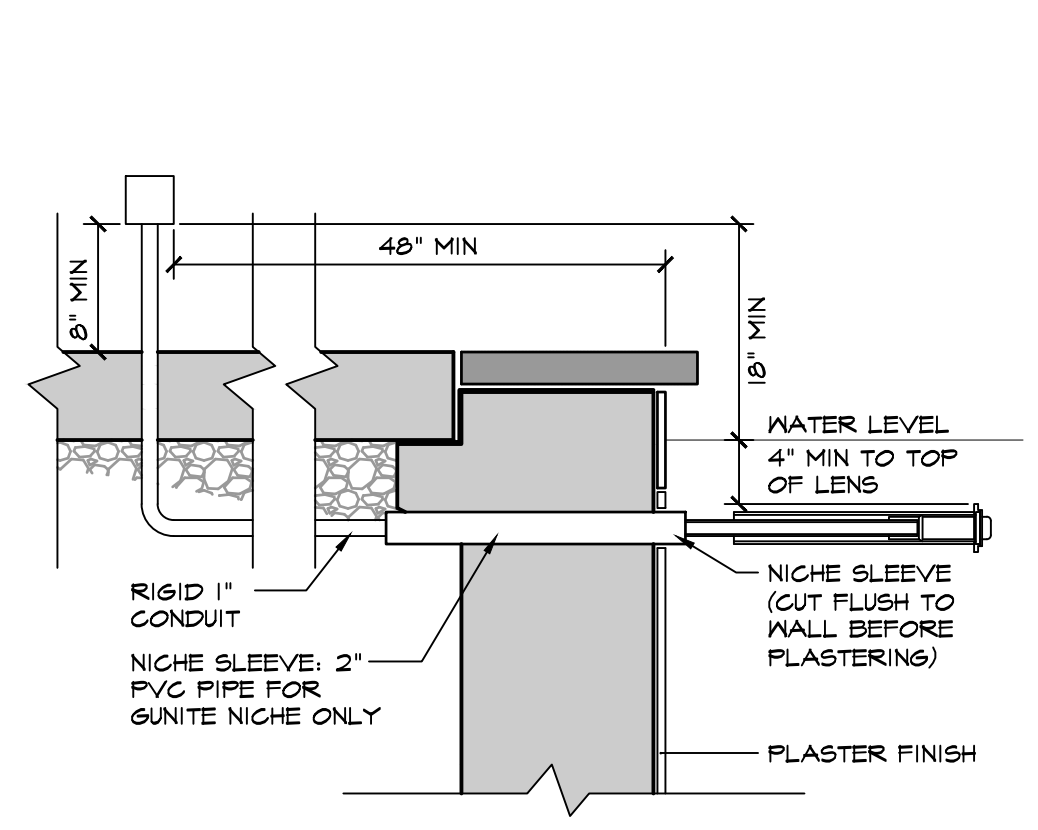
8 POOL SKIMMER DETAIL
SCALE: 1" = 1'-0" SECTION



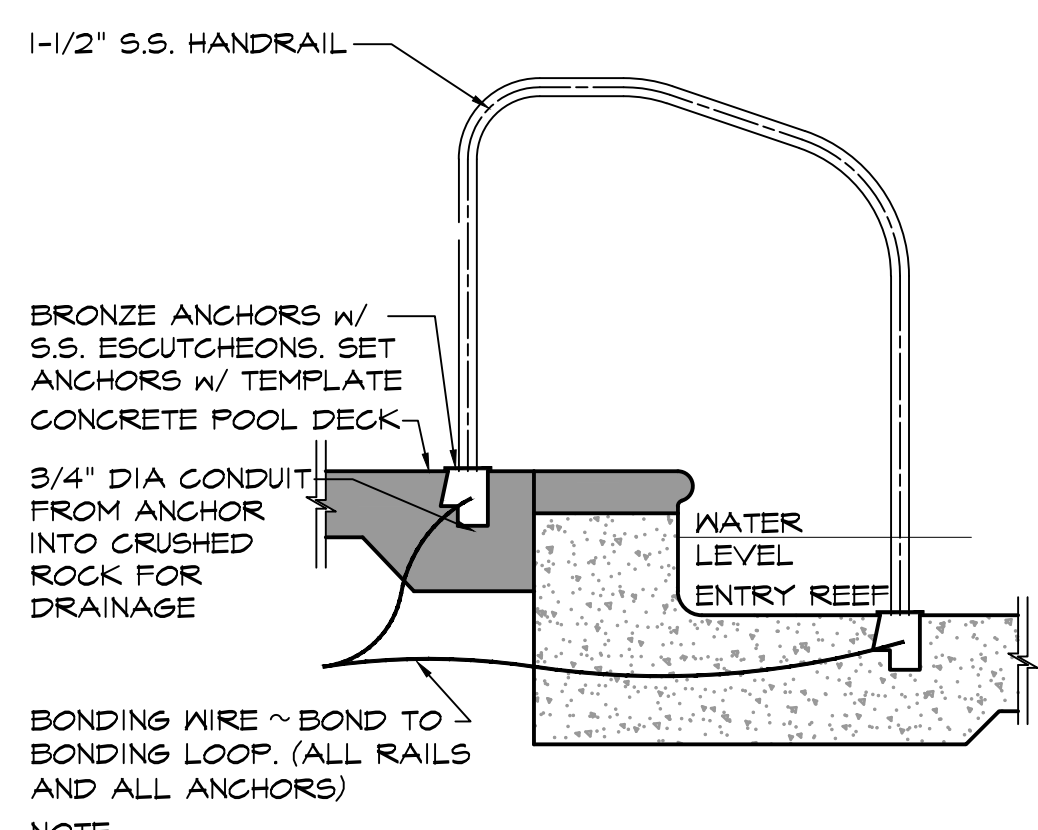
9 VACUUM BREAKER
SCALE: NTS SECTION



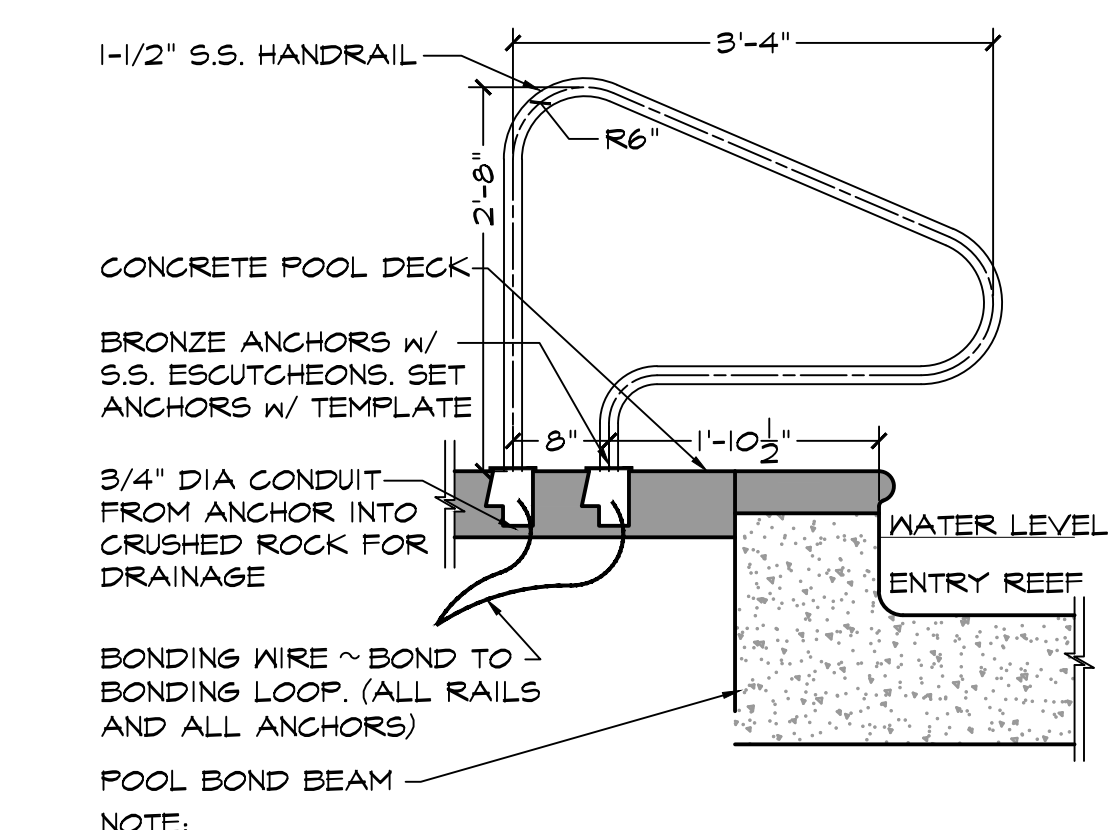
10 ADA CHAIR LIFT BY SPECTRUM AQUATICS
SCALE: N.T.S. SECTION



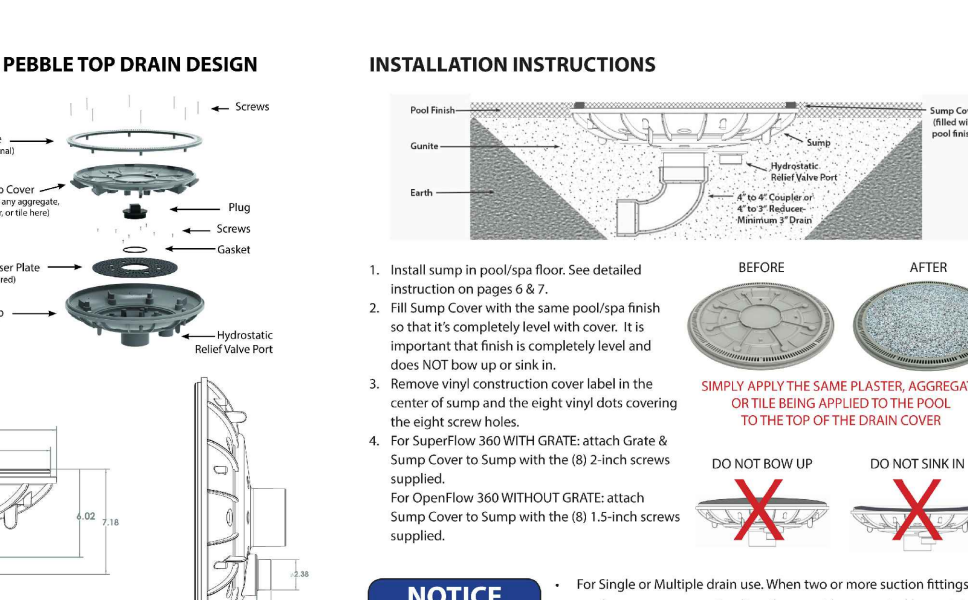
12 LIGHT PLACEMENT DETAIL
SCALE: NTS SECTION



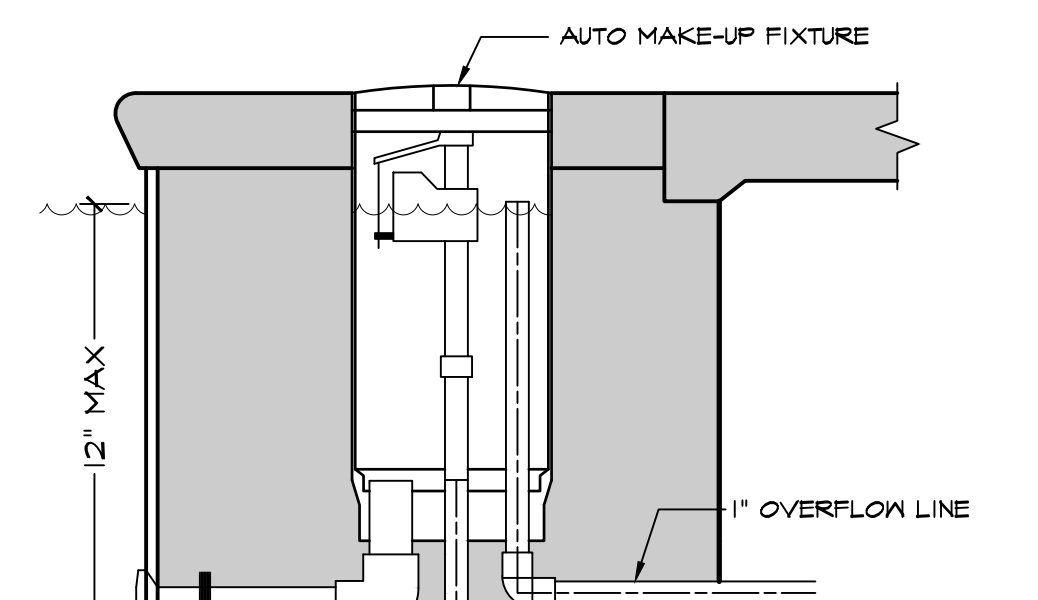
13 ENTRY REEF HANDRAIL OPTION #1
SCALE: 3/4" = 1'-0" SECTION



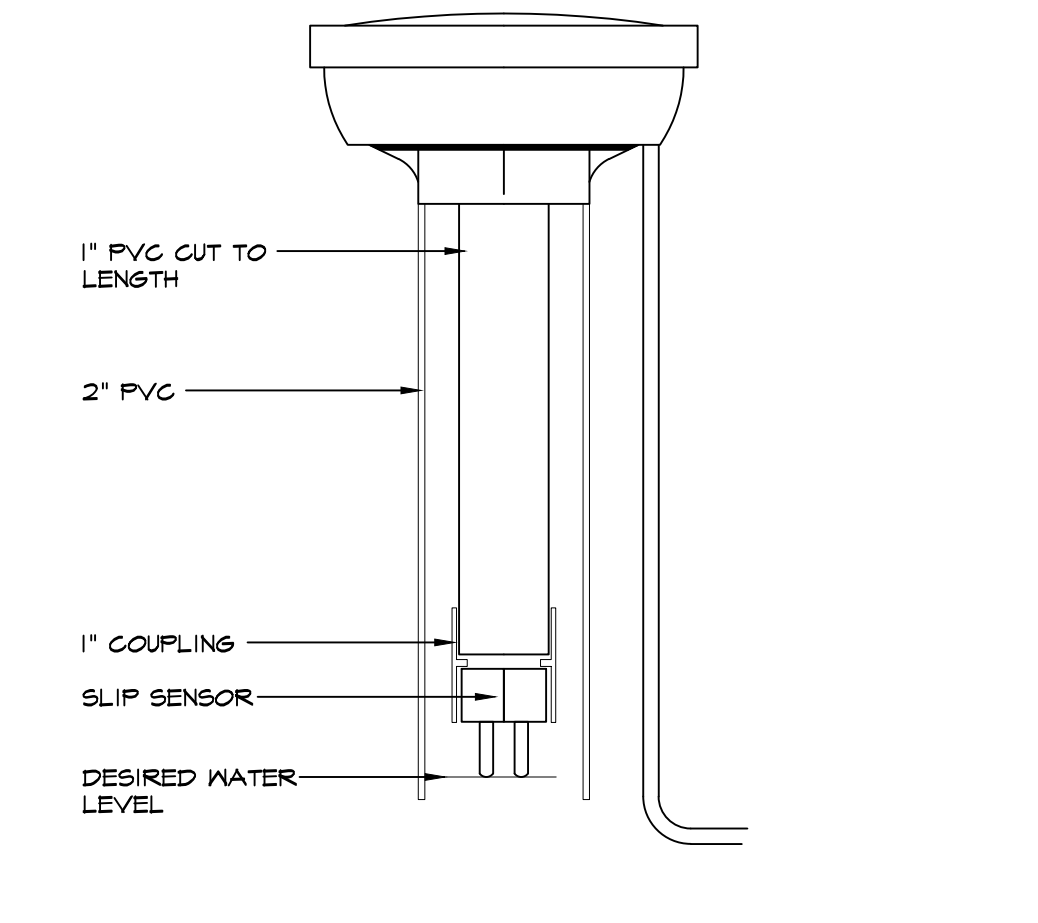
14 ENTRY REEF HANDRAIL OPTION #2
SCALE: 3/4" = 1'-0" SECTION



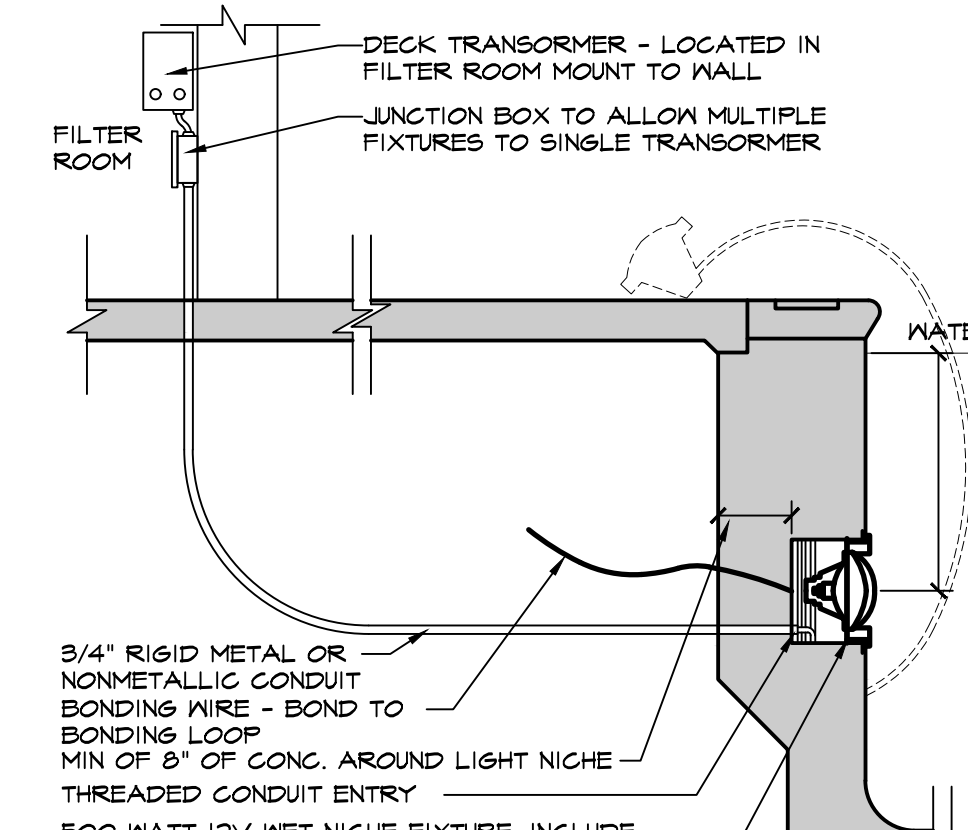
15 UNDERWATER POOL LIGHT
SCALE: 3/4" = 1'-0" SECTION



7 WATER MAKE-UP DETAIL
SCALE: 1" = 1'-0" SECTION



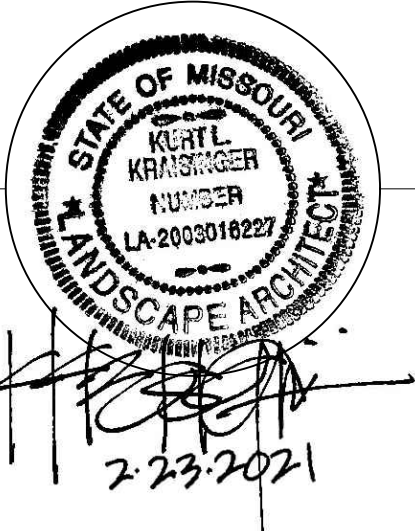
11 SLIP SENSOR DETAIL
SCALE: NTS SECTION



16 TYPICAL POOL LIGHTS
SCALE: 1" = 1'-0" SECTION

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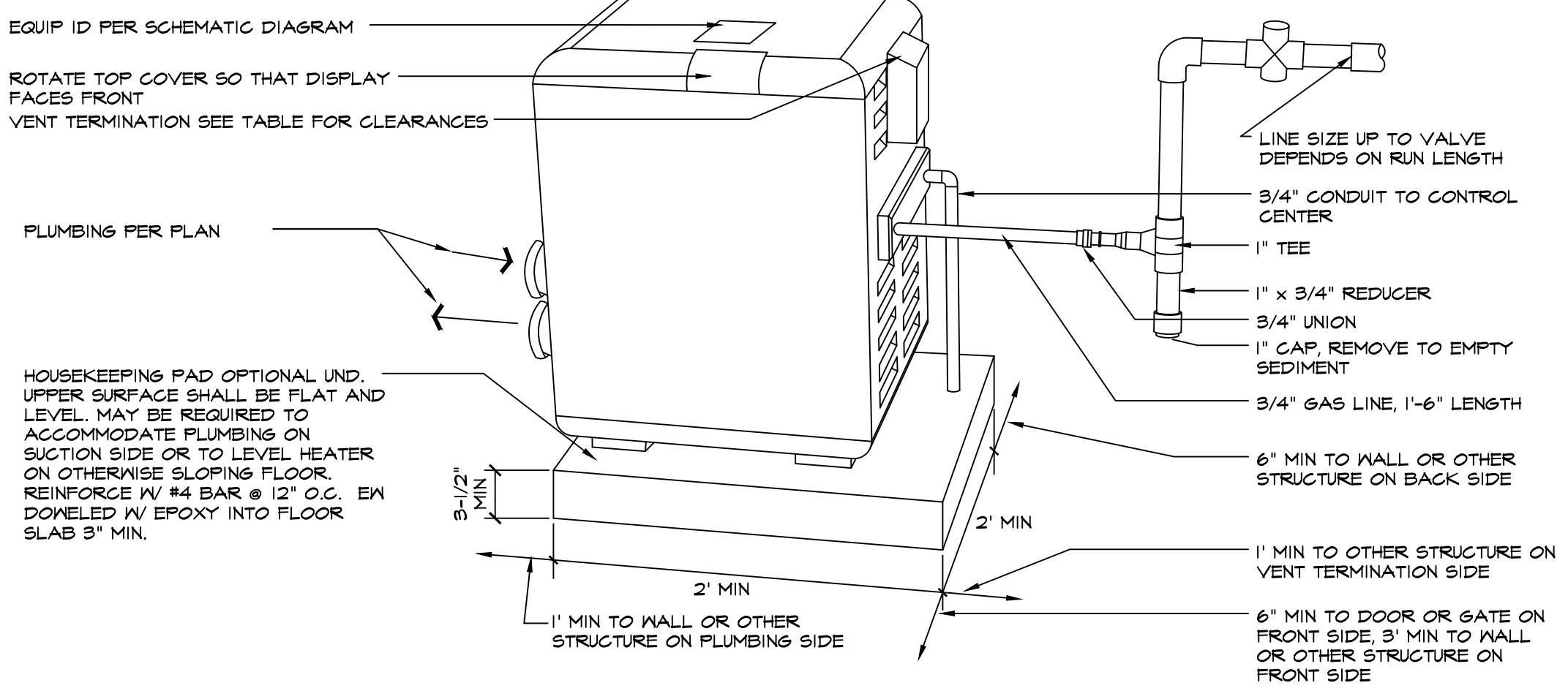


SUMMIT VIEW FARMS
 POOL CONSTRUCTION DOCUMENTS
 LEE'S SUMMIT, MISSOURI

- DETAIL NOTES:**
- INSTALL ALL EQUIPMENT PER MANUFACTURER'S INSTRUCTIONS.
 - INSTALL BONDING PER NEC 680.26
 - INSTALL PER LOCAL CODES, THIS MAY REQUIRE THE ADDITION OF A PRESSURE RELIEF VALVE NOT TO EXCEED 50 PSI

DESCRIPTION	MIN CLEARANCE DIM
VERTICAL THROUGH ROOF	2' (600MM) ABOVE ALL STRUCTURES WITHIN 10' (3.000MM)
VERTICAL TO UNDERSIDE OF ROOF OR DECK OVERHANG	3' (900MM)
CLEARANCE FROM WALLS	6" (150MM)
CLEARANCE FROM ANY OPENING INTO A BUILDING	4' (1.200MM)
CLEARANCE FROM ELECTRIC METERS, PANELS, GAS METERS, REGULATORS, AND RELIEF EQUIPMENT	4' (1.200MM)
CLEARANCE FROM PROPERTY LINE	1'-6" (450MM)
CLEARANCE FROM A/C OR HEAT PUMP	3' (900MM)
CLEARANCE ABOVE FINISHED GRADE AND NORMAL SNOW LEVEL	1' (300MM)

VENT SIZE	TYPE 'B' DOUBLE-WALL VENT w/ TYPE 'B' DOUBLE-WALL CONNECTOR IN FEET				
	MODEL 175 HEIGHT MIN/MAX	MODEL 200 HEIGHT MIN/MAX	MODEL 250 HEIGHT MIN/MAX	MODEL 300 HEIGHT MIN/MAX	MODEL 350 HEIGHT MIN/MAX
6"	6' / 100'	6' / 100'	18' / 100'	30' / 100'	NOT REC.
7"	6' / 100'	6' / 100'	8' / 100'	10' / 100'	15' / 100'
8"	6' / 100'	6' / 100'	6' / 100'	6' / 100'	8' / 100'
9" & 10"	6' / 50'	6' / 50'	6' / 50'	6' / 100'	8' / 100'



3 POOL HEATER INSTALLATION
 SCALE: NTS ILLUSTRATIVE VIEW

LOCATION	NORMAL SOIL	CONSOLIDATED ROCK
SERVICE LINES: PRIVATE PROPERTY	18"	18"
SERVICE LINES: UNDER STREETS, ROADS, AND DRIVEWAYS	24"	18"
TRANSMISSION LINES AND MAINS CLASS 1 LOCATION	30"	18"
TRANSMISSION LINES AND MAINS: CLASS 2, 3, AND 4 LOCATION	36"	24"
TRANSMISSION LINES AND MAINS: DRAINAGE DITCHES OF PUBLIC ROADS AND RAILROAD CROSSINGS	36"	24"
TRANSMISSION LINES AND MAINS: NAVIGABLE RIVERS, STREAMS OR HARBORS (MEASURED TOP OF PIPE TO NATURAL BOTTOM)	48"	24"

- DETAIL NOTES:**
- A HYDROSTATIC PRESSURE TEST SHALL HOLD MIN 20 PSI WITH ZERO DROP IN 72 HOURS.
 - PE 2406/2708 M0FE YELLOW PIPE BY CHARTER PLASTICS.
 - PROPANE MAX OPERATING PRESSURE IS 30 PSI @ 73.4°F
 - POLYETHYLENE PIPE SHALL CONFORM TO ASTM D2513-05D STANDARD SPECIFICATION FOR THERMOPLASTIC GAS PRESSURE PIPE, TUBING, AND FITTINGS.
 - POLYETHYLENE PIPE DIMENSIONS SHALL BE BASED ON IRON PIPE SIZE STANDARDS INSTEAD OF COPPER TUBE SIZE PER TABLE BELOW
 - POLYETHYLENE COLOR SHALL BE YELLOW.
 - GAS PLUMBING SHALL BE INSTALLED WITH AN ELECTRICALLY CONTINUOUS INSULATED NUMBER 18 AWG COPPER TRACER WIRE TERMINATING ABOVE GRADE AT ALL ENDS OF THE GAS LINES.
 - PVC AND COPPER SHALL NOT BE USED FOR GAS PLUMBING.
 - APPROVED PLASTIC-TO-METAL TRANSITION FITTINGS SHALL BE USED TO RISE ABOVE GRADE.

NOMINAL SIZE	OUTSIDE DIA (IPS STD)	MIN WALL THICKNESS	DIA RATIO (DR)	MIN BEND RADIUS	NET GAS MAX PRESS	MIN BEDDING DIMENSIONS
1/2"	0.830"	0.041"	9.3	18"	81 PSI	2"
3/4"	1.060"	0.046"	11	21"	68 PSI	2"
1"	1.315"	0.120"	11	27"	68 PSI	2"
1-1/4"	1.360"	0.151"	11	34"	68 PSI	2"
1-1/2"	1.900"	0.173"	11	38"	68 PSI	2"
2"	2.375"	0.216"	11	48"	68 PSI	2"
3"	3.500"	0.304"	11.5	84"	64 PSI	3"
4"	4.500"	0.333"	13.5	108"	54 PSI	4"
5"	6.625"	0.441"	13.5	160"	54 PSI	6"

6 POLYETHYLENE GAS PIPING
 SCALE: NTS ILLUSTRATIVE VIEW

METAL FLUE COLLAR	PART NO.
4 x 6"	T110T-0016
4 x 8"	T110T-0011

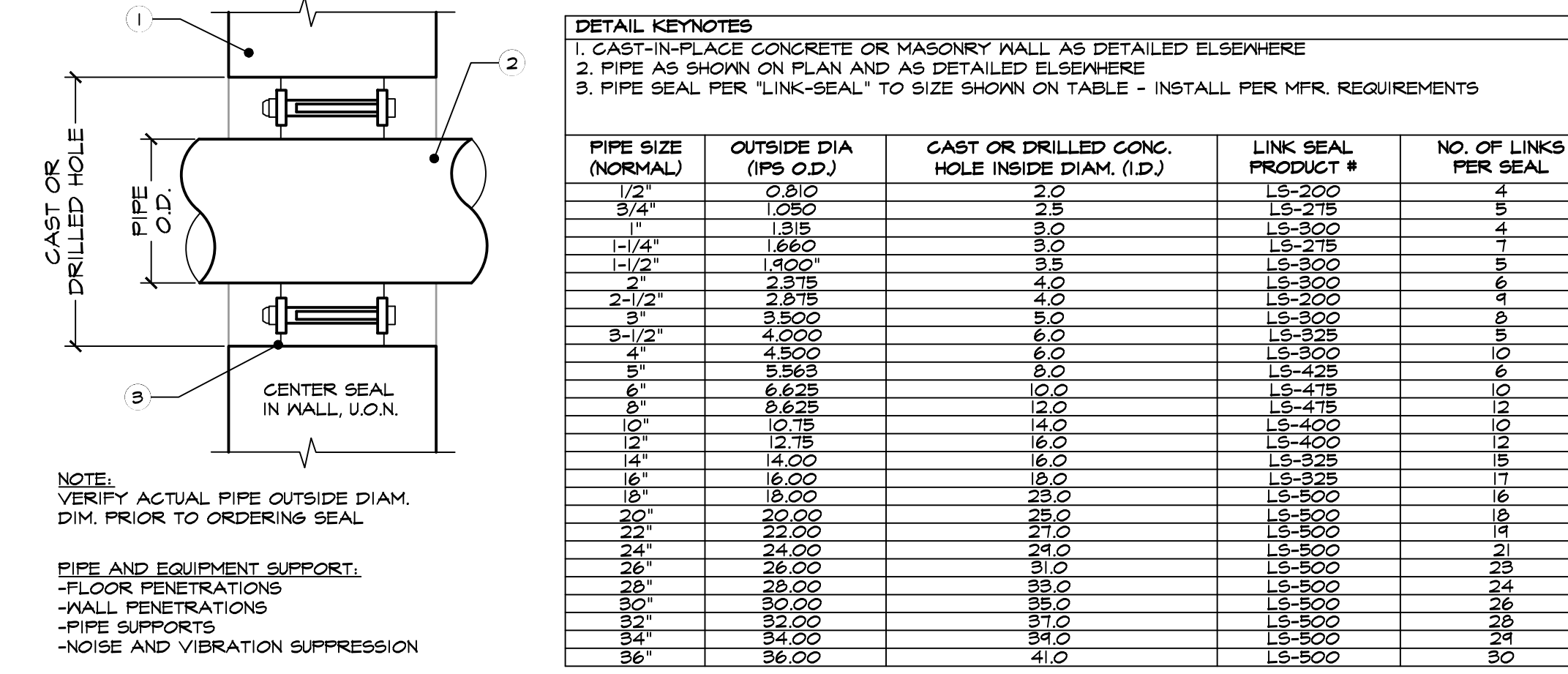
1. SEE TABLE 10, TO DETERMINE ALLOWABLE VENT SIZES FOR YOUR HEATER.
 NOTICE: TABLE 10 IS FOR INSTALLATIONS IN WHICH THE TOTAL LATERAL VENT LENGTH (THAT IS HORIZONTAL DISTANCE FROM THE FLUE COLLAR TO THE COLLAR TO THE MAIN VERTICAL PORTION OF THE VENT) IS LESS THAN 1/2 THE TOTAL VENT HEIGHT (THE VERTICAL DISTANCE FROM THE FLUE COLLAR TO THE VENT TERMINATION) AND WHICH HAVE THREE OR LESS ELBOWS IN THE SYSTEM. FOR VENTING SYSTEMS WHICH DO NOT MEET THESE CONDITIONS, CONSULT THE NATIONAL FUEL GAS CODE, ANSI Z223.1 (U.S.).

READ 'VERTICAL VENTING - NEGATIVE PRESSURE' BEFORE USING THIS TABLE.

TABLE 10 - PERMITTED MINIMUM AND MAXIMUM VENT HEIGHTS BY SIZE AND HEATER MODEL

VENT SIZE	TYPE 'B' DOUBLE-WALL VENT WITH TYPE 'B' DOUBLE-WALL CONNECTOR IN FEET (METERS)				
	MODEL 175 HEIGHT MIN/MAX	MODEL 200 HEIGHT MIN/MAX	MODEL 250 HEIGHT MIN/MAX	MODEL 300 HEIGHT MIN/MAX	MODEL 350 HEIGHT MIN/MAX
6"	6' (1.8)/100' (30.5)	6' (1.8)/100' (30.5)	18' (5.5)/100' (30.5)	30' (9.1)/100' (30.5)	NOT REC.
7"	6' (1.8)/100' (30.5)	6' (1.8)/100' (30.5)	8' (2.4)/100' (30.5)	10' (3.1)/100' (30.5)	15' (4.6)/100' (30.5)
8"	6' (1.8)/100' (30.5)	6' (1.8)/100' (30.5)	6' (1.8)/100' (30.5)	6' (1.8)/100' (30.5)	8' (2.4)/100' (30.5)
9" AND 10"	6' (1.8)/50' (15.3)	6' (1.8)/50' (15.3)	6' (1.8)/50' (15.3)	6' (1.8)/100' (30.5)	6' (1.8)/100' (30.5)

1 PIPE/WALL SEAL (LINK SEAL)
 SCALE: NTS ILLUSTRATIVE VIEW



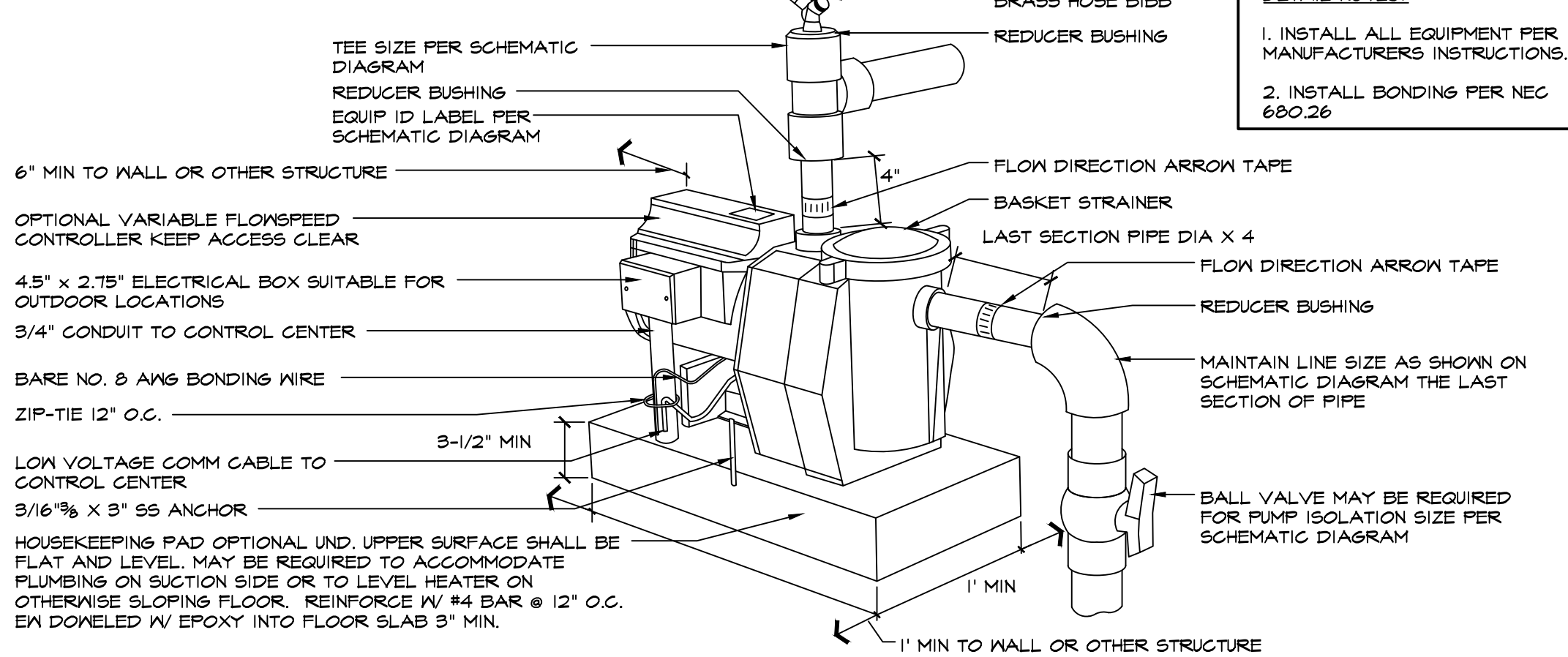
4 PIPE/WALL SEAL (LINK SEAL)
 SCALE: NTS ILLUSTRATIVE VIEW

DETAIL KEYNOTES

- CAST-IN-PLACE CONCRETE OR MASONRY WALL AS DETAILED ELSEWHERE
- PIPE AS SHOWN ON PLAN AND AS DETAILED ELSEWHERE
- PIPE SEAL PER 'LINK-SEAL' TO SIZE SHOWN ON TABLE - INSTALL PER MFR. REQUIREMENTS

PIPE SIZE (NORMAL)	OUTSIDE DIA (IPS O.D.)	CAST OR DRILLED CONC. HOLE INSIDE DIAM. (I.D.)	LINK SEAL PRODUCT #	NO. OF LINKS PER SEAL
1/2"	0.810"	2.0	LS-200	4
3/4"	1.050"	2.5	LS-275	4
1"	1.315	3.0	LS-350	4
1-1/4"	1.660	3.5	LS-425	4
1-1/2"	1.900	4.0	LS-500	4
2"	2.375	4.5	LS-575	4
2-1/2"	2.875	5.0	LS-650	4
3"	3.500	5.5	LS-725	4
3-1/2"	4.000	6.0	LS-800	4
4"	4.500	6.5	LS-875	4
5"	5.565	8.0	LS-1000	6
6"	6.625	10.0	LS-1125	6
8"	8.625	12.0	LS-1425	6
10"	10.75	14.0	LS-1725	6
12"	12.875	16.0	LS-2025	6
14"	14.00	18.0	LS-2325	6
16"	16.00	20.0	LS-2625	6
18"	18.00	22.0	LS-2925	6
20"	20.00	24.0	LS-3225	6
22"	22.00	26.0	LS-3525	6
24"	24.00	28.0	LS-3825	6
26"	26.00	30.0	LS-4125	6
28"	28.00	32.0	LS-4425	6
30"	30.00	34.0	LS-4725	6
32"	32.00	36.0	LS-5025	6
34"	34.00	38.0	LS-5325	6
36"	36.00	40.0	LS-5625	6

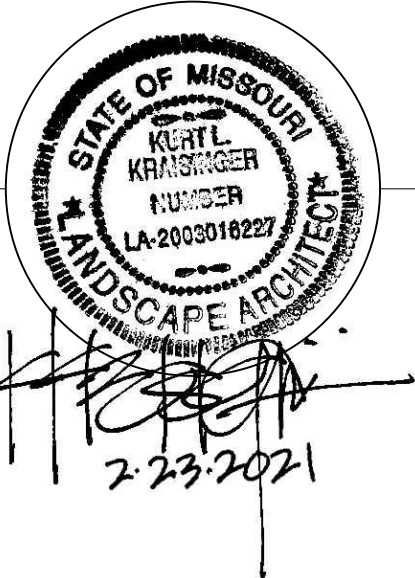
5 GENERAL PIPING NOTES
 SCALE: NTS ILLUSTRATIVE VIEW



7 POOL PUMP INSTALLATION
 SCALE: NTS ILLUSTRATIVE VIEW

REVISION:

 DECEMBER 2, 2021
 POOL DETAILS
W106



SUMMIT VIEW FARMS
 POOL CONSTRUCTION DOCUMENTS
 LEE'S SUMMIT, MISSOURI

REVISION:

DECEMBER 2, 2021

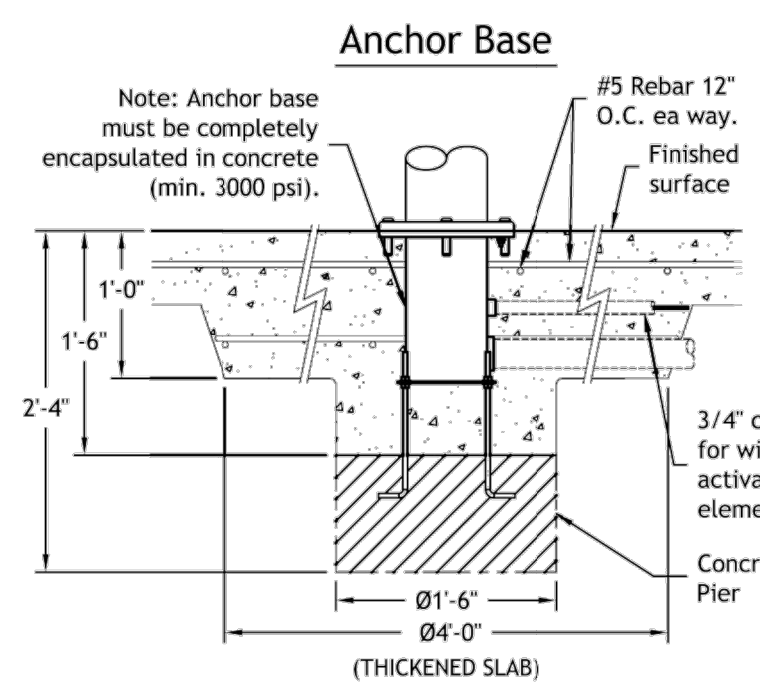
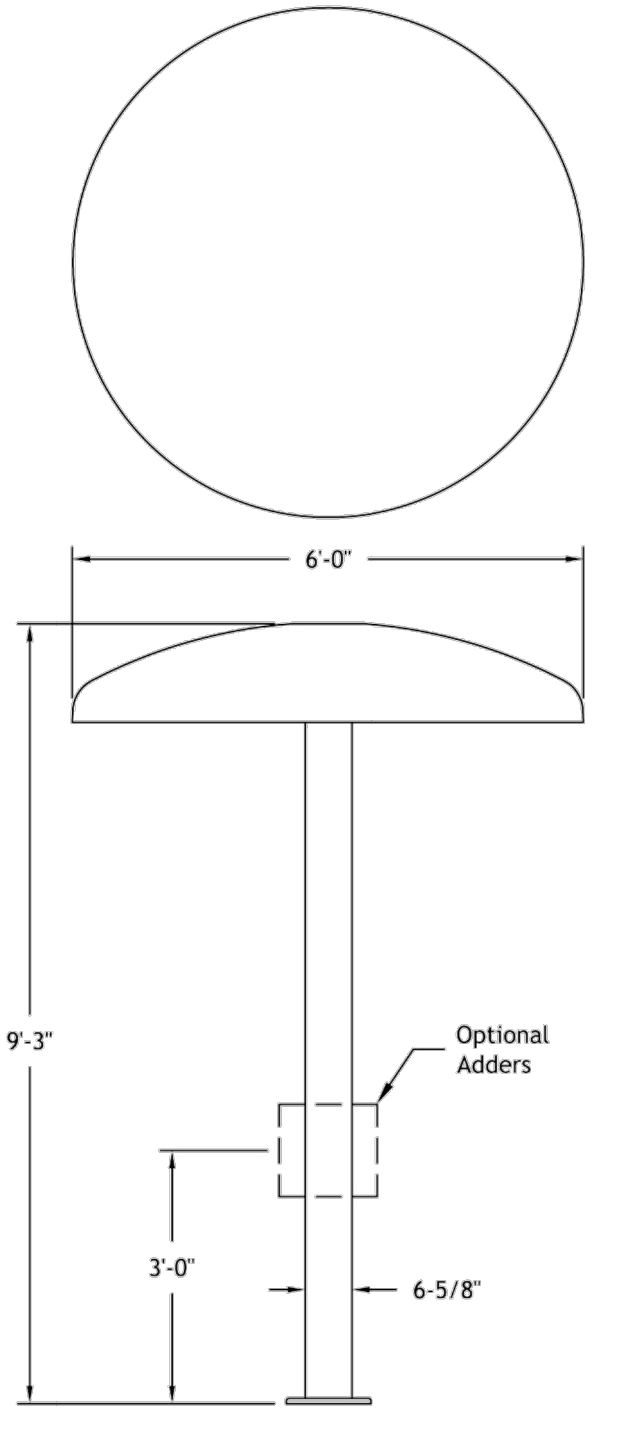
POOL DETAILS

W107

Specifications

Model Number: W007-F
Shaft: Straight 6" diameter type 304 stainless steel with machined type 304 base plate.
Dome: Heavy-duty FRP (fiber reinforced polyester).
Anchor Base: Type 304 stainless steel machined to mate with shaft base plate with grounding connection and 2" FPT inlet. Supplied with 4, 3/4" x 12" x 3" anchor bolts with two leveling nuts and washers per bolt and wood pour template.
Gasket: 70 durometer EPDM o-ring.
Fasteners: Tamper-resistant 18/8 stainless steel.
Finish: Textured elastomeric urethane with a UV and chlorine resistant sealer coat.
Color: (Specify red, dark blue, light blue, yellow, green, orange, or purple.)

Optional Adders:
 Wireless Activator Button (-SW)
 Transmitter: Solid state with encoded signal and integral omni-directional antenna.
 Activator Power: 3 VDC (lithium battery (CR2477)).
 Wired Activator Button (-ST)
 Activator Switch: 12 VDC.
 Activator Cord: 150' of #18/2 type STOW, minimum 3/4" conduit recommended.
 Hand Wheel (-HW): Stainless steel coated with a heavy-duty aliphatic urethane.



Hydraulic Requirements

Model	GPM	psi
W007-F	50-250	4



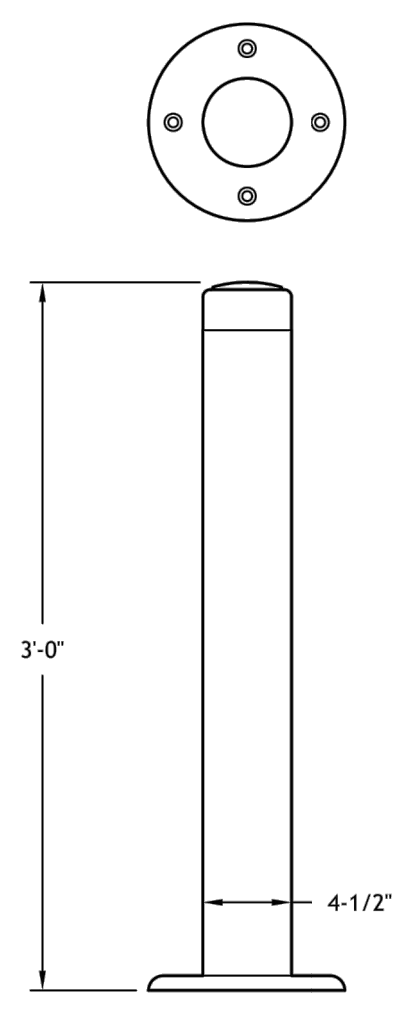
Under-Brella™ F

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 Phone (512) 392-1155 - Fax (512) 392-1154 - www.waterodyssey.com

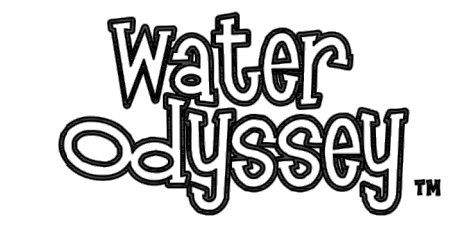
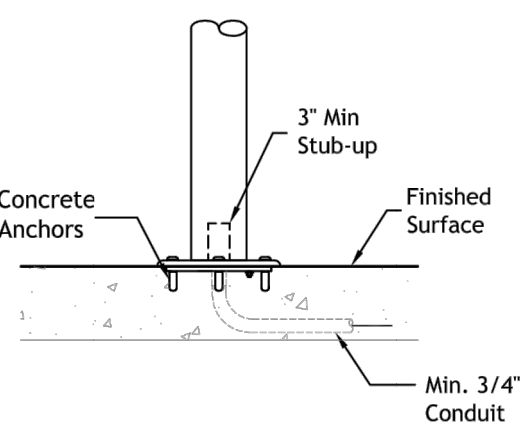
W007-F
03-15-11

1 UNDER-BRELLA F BY WATER ODYSSEY
 SCALE: NTS CUT SHEET Specifications

Model Number: W009
Shaft: 4" type 304 stainless steel pipe.
Base Plate: Type 304 stainless steel.
Anchors: (4) stainless steel concrete anchors, supplied.
Finish: Textured elastomeric urethane with a UV and chlorine resistant sealer coat.
Color: Select from Red, Light Blue, Yellow, Green, Dark Blue, Orange, or Purple.
Fasteners: Tamper-resistant type 18/8 stainless steel.
Activator Housing: Machined from solid PVC stock.
Activator Housing Color: Select from Red, Light Blue, Yellow, Green, Dark Blue, Orange, or Purple.
Activator Cord: 150' of 18/3 type SJTOW submersible cable pre-wired to activator button, supplied.



Anchor Base



Touch & Go™

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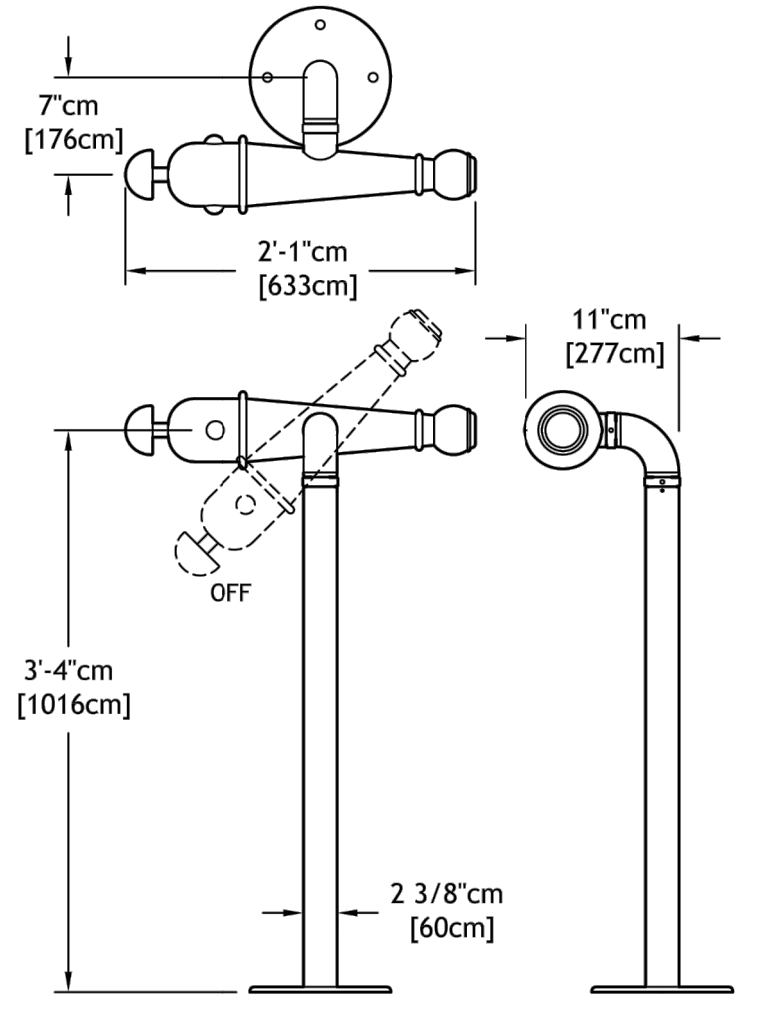
W009
08-13-09

3 TOUCH & GO SWITCH BY WATER ODYSSEY
 SCALE: NTS CUT SHEET

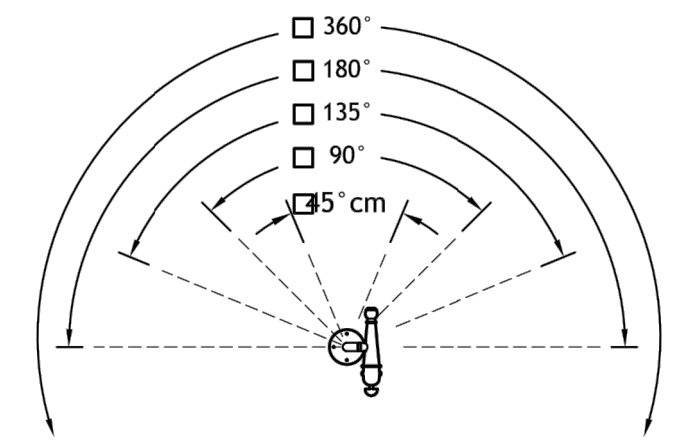
Specifications

Model Number: W088
Interactive Water Effect: Shall be twin directable highly aerated sprays of water. Shooter shall turn off automatically when not in use.
Shaft: Straight 2" type 304 stainless steel pipe with machined type 304 base plate.
Elbow: 2" type 304 stainless steel.
Housing: Fabricated type 304 stainless steel.
Joints: Precision machined Delrin® flow control joints adjustable for 45°-360° directional flow.
Anchor Base: Type 304 stainless steel machined to mate with shaft base plate includes grounding connection and 2" FPT inlet. Supplied with (4) 3/8" x 12" x 2" anchor bolts with two leveling nuts and washers per bolt and wood pour template.
Gasket: 70 durometer EPDM o-ring.
Fasteners: Tamper-resistant 18/8 stainless steel.
Finish: Textured elastomeric urethane with a UV and chlorine resistant sealer coat.
Nozzles: Machined brass foam nozzles.

Water Conserving Version
Model Number: W088C
Water Conserving Nozzle: Machined brass multi stream nozzle.



Splash Zone



Hydraulic Requirements

Model	Throw @ 45°	GPM	psi	*W088C - Water Conserving	Throw @ 45°	*CGPM	*Cpsi
W088	10'	15	20	10	9	12	
	15'	20	23	15	12	14	
	20'	27	27	20	16	16	

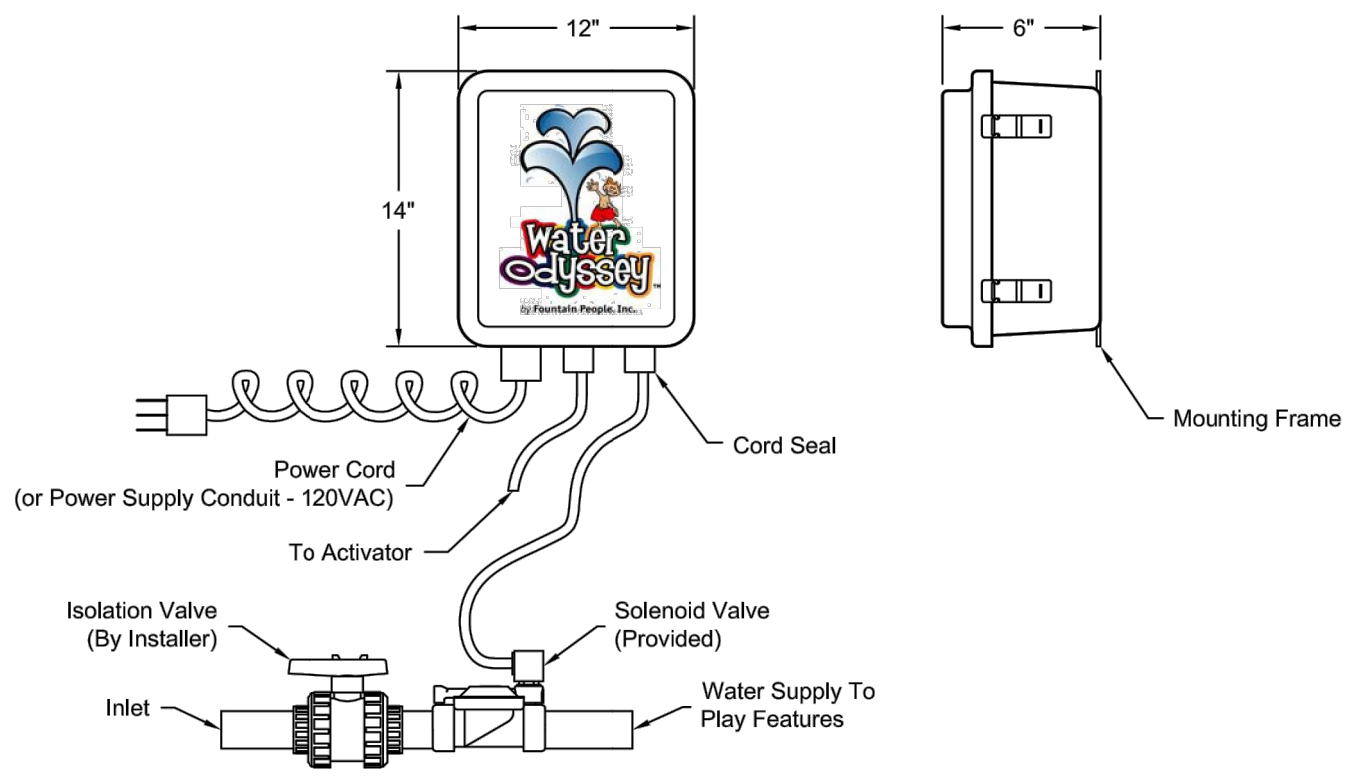


Gravity Cannon™

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W088
09-24-18

2 GRAVITY CANNON BY WATER ODYSSEY
 SCALE: NTS CUT SHEET



Specifications

Model No: CTP-100-XX (See Chart).
Housing: NEMA 4X with lockable hasp.
Input Voltage: 120VAC/60 Hertz, 20 Amps.
Wired Activator Input: 12VDC. Maximum qty 2.
Output Voltage: 12VDC/60 Hertz, 5 Amps continuous. (To Solenoid Valve)
Power Cord: 6 foot, 16-3 type SJT with grounded plug.
Cord Seal: PVC compression seal fittings with neoprene gland for 16-2 solenoid valve cables.
Time Clock: Integral, electronic, 7 day, 24 hour.
Time Delay Relay: Electronic, 24 hour adjustment.
TDR Adjustment: 1 second up to 24 hour with fine adjustment.
Safety: ETL and Underwriters' Laboratories Listed.
Solenoid Valves: Die cast bronze with stainless steel hardware, DIN connector with 15' cord, and 12VDC UL Recognized solenoid.

Note: Conduit and Wire By Installer

Model Number	Valve Size	Max Flow
CTP-100-10	1"	25
CTP-100-15	1-1/2"	50
CTP-100-20	2"	100

Notes:
 1. Conduit and wire by installer.
 2. All field wiring to be compliant with NEC and local codes.
 Field output wire to be stranded copper, minimum rated 60° C.



Single Timer Controller
 For wired activators

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CTP-100-SERIES
12/10/15

4 TIMED CONTROLLER BY WATER ODYSSEY
 SCALE: NTS CUT SHEET