



TABLE 1704.3 REQUIRED VERIFICATION AND INSPECTION OF STEEL CONSTRUCTION				
VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD <sup>a</sup>	IBC REFERENCE
1. MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS AND WASHERS				
A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS	-	X	APPLICABLE ASTM MATERIAL SPECIFICATIONS, AISC 360, SECTION A3.3	-
B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED	-	X	-	-
2. INSPECTION OF HIGH-STRENGTH BOLTING:				
A. BEARING-TYPE CONNECTIONS	-	X	AISC 360, SECTION M2.5	1704.3.3
B. SLIP-CRITICAL CONNECTIONS	X	X		
3. MATERIAL VERIFICATION OF STRUCTURAL STEEL				
A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS	-	-	ASTM A 6 OR ASTM A 568	1708.4
B. MANUFACTURER'S CERTIFIED MILL TEST REPORTS	-	-	ASTM A 6 OR ASTM A 568	-
4. MATERIAL VERIFICATION OF WELD FILLER MATERIALS:				
A. IDENTIFICATION MARKINGS TO CONFORM TO AWS SPECIFICATION IN THE APPROVED CONSTRUCTION DOCUMENTS	-	-	AISC 360, SECTION A3.5	-
B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED	-	-	-	-
5. INSPECTION OF WELDING:				
A. STRUCTURAL STEEL:				
1) COMPLETE AND PARTIAL PENETRATION GROOVE WELDS	X	-	AWS D1.1	1704.3.1
2) MULTIPASS FILLET WELDS	X	-		
3) SINGLE-PASS FILLET WELDS > 5/16"	X	-		
4) SINGLE-PASS FILLET WELDS ≤ 5/16"	-	X		
5) FLOOR AND ROOF DECK WELDS	-	X		
B. REINFORCING STEEL:				
1) VERIFICATION OF WELDABILITY OF REINFORCING STEEL OTHER THAN ASTM A 706	-	X	AWS D1.4 ACI 318: 3.5.2	-
2) REINFORCING STEEL-RESISTING FLEXURAL AND AXIAL FORCES IN INTERMEDIATE AND SPECIAL MOMENT FRAMES, AND BOUNDARY ELEMENTS OF SPECIAL REINFORCED CONCRETE SHEAR WALLS AND SHEAR REINFORCEMENT	X	-		
3) SHEAR REINFORCEMENT	X	-		
4) OTHER REINFORCING STEEL	-	X		
6. INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE WITH APPROVED CONSTRUCTION DOCUMENTS:				
A. DETAILS SUCH AS BRACING AND STIFFENING	-	-	-	1704.3.2
B. MEMBER LOCATIONS	-	-	-	-
C. APPLICATION OF JOINT DETAILS AT EACH CONNECTION	-	-	-	-

FOR SI: 1 inch = 25.4 mm  
a. WHERE APPLICABLE, SEE ALSO SECTION 1707.0. SPECIAL INSPECTION FOR SEISMIC RESISTANCE.

TABLE 1704.4 REQUIRED VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION				
VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD <sup>a</sup>	IBC REFERENCE
1. INSPECTION OF REINFORCING STEEL, INCLUDING PRESTRESSING TENDONS, AND PLACEMENT	-	X	ACI 318: 3.5, 7.1-7.7	1913.4
2. INSPECTION OF REINFORCING STEEL WELDING IN ACCORDANCE WITH TABLE 1704.3, ITEM 5B	-	-	AWS D1.4 ACI 318: 3.5.2	-
3. INSPECT BOLTS TO BE INSTALLED IN CONCRETE PRIOR TO AND DURING PLACEMENT OF CONCRETE WHERE ALLOWABLE LOADS HAVE BEEN INCREASED	X	-	-	1911.5
4. VERIFYING USE OF REQUIRED DESIGN MIX	-	X	ACI 318: CH. 4, 5.2-5.4	1904.2.2, 1913.2, 1913.3
5. AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE	X	-	ASTM C 172 ASTM C 31 ACI 318: 5.6, 5.8	1913.10
6. INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES	X	-	ACI 318: 5.9, 5.10	1913.6, 1913.7, 1913.8
7. INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES	-	X	ACI 318: 5.11-5.13	1913.9
8. INSPECTION OF PRESTRESSED CONCRETE:				
A. APPLICATION OF PRESTRESSING FORCES	X	-	ACI 318: 18.20	-
B. GROUTING OF BONDED PRESTRESSING TENDONS IN THE SEISMIC-FORCE-RESISTING SYSTEM	X	-	ACI 318: 18.18.4	-
9. ERECTION OF PRECAST CONCRETE MEMBERS	-	X	ACI 318: CH. 16	-
10. VERIFICATION OF IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POSTTENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS	-	X	ACI 318: 6.2	-
11. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED	-	X	ACI 318: 3.1.1	-
12. POST INSTALLED ANCHORS	X	-	-	-

FOR SI: 1 inch = 25.4 mm  
a. WHERE APPLICABLE, SEE ALSO SECTION 1707.1. SPECIAL INSPECTION FOR SEISMIC RESISTANCE

TABLE 1704.5.3 LEVEL 2 SPECIAL INSPECTION					
INSPECTION TASK	FREQUENCY OF INSPECTION		REFERENCE FOR CRITERIA		
	CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED	IBC SECTION	ACI 530/ASCE 5/TMS 408 <sup>a</sup>	ACI 5301/ASCE 6/TMS 602 <sup>a</sup>
1. FROM THE BEGINNING OF MASONRY CONSTRUCTION, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE:					
A. PROPORTIONS OF SITE-PREPARED MORTAR, GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS	-	X	-	-	ART. 2.6A
B. PLACEMENT OF MASONRY UNITS AND CONSTRUCTION OF MORTAR JOINTS	-	X	-	-	ART. 3.3B
C. PLACEMENT OF REINFORCEMENT, CONNECTORS AND PRESTRESSING TENDONS AND ANCHORAGES	-	X	-	SEC. 113	ART. 3.4, 3.6A
D. GROUT SPACE PRIOR TO GROUTING	X	-	-	-	ART. 3.2D
E. PLACEMENT OF GROUT	X	-	-	-	ART. 3.5
F. PLACEMENT OF PRESTRESSING GROUT	X	-	-	-	ART. 3.6C
2. THE INSPECTION PROGRAM SHALL VERIFY:					
A. SIZE AND LOCATION OF STRUCTURAL ELEMENTS	-	X	-	-	ART. 3.3G
B. TYPE, SIZE AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES OR OTHER CONSTRUCTION	X	-	-	SEC. 1.2.2(e), 2.1.4, 3.1.6	-
C. SPECIFIED SIZE, GRADE AND TYPE OF REINFORCEMENT	-	X	-	SEC. 113	ART. 2.4, 3.4
D. WELDING OF REINFORCING BARS	X	-	-	SEC. 2.110.7.2, 3.3.3.4(b)	-
E. PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40° F) OR HOT WEATHER (TEMPERATURE ABOVE 90° F)	-	X	SEC. 2104.3, 2104.4	-	ART. 1.8C, 1.8D
F. APPLICATION AND MEASUREMENT OF PRESTRESSING FORCE	X	-	-	-	ART. 3.6B
3. PREPARATION OF ANY REQUIRED GROUT SPECIMENS, MORTAR SPECIMENS AND/OR PRISMS SHALL BE OBSERVED	X	-	SEC. 2105.2.2, 2105.3	-	ART. 1.4
4. COMPLIANCE WITH REQUIRED INSPECTION PROVISIONS OF THE CONSTRUCTION DOCUMENTS AND THE APPROVED SUBMITTALS SHALL BE VERIFIED.	-	X	-	-	ART. 1.5

FOR SI: 1 inch = 25.4 mm  
a. THE SPECIFIC STANDARD REFERENCED ARE THOSE LISTED IN CHAPTER 35

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**Whitewater Park Expansion & Amphitheater**

CP 12-284  
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for  
**The City of Rancho Mirage**

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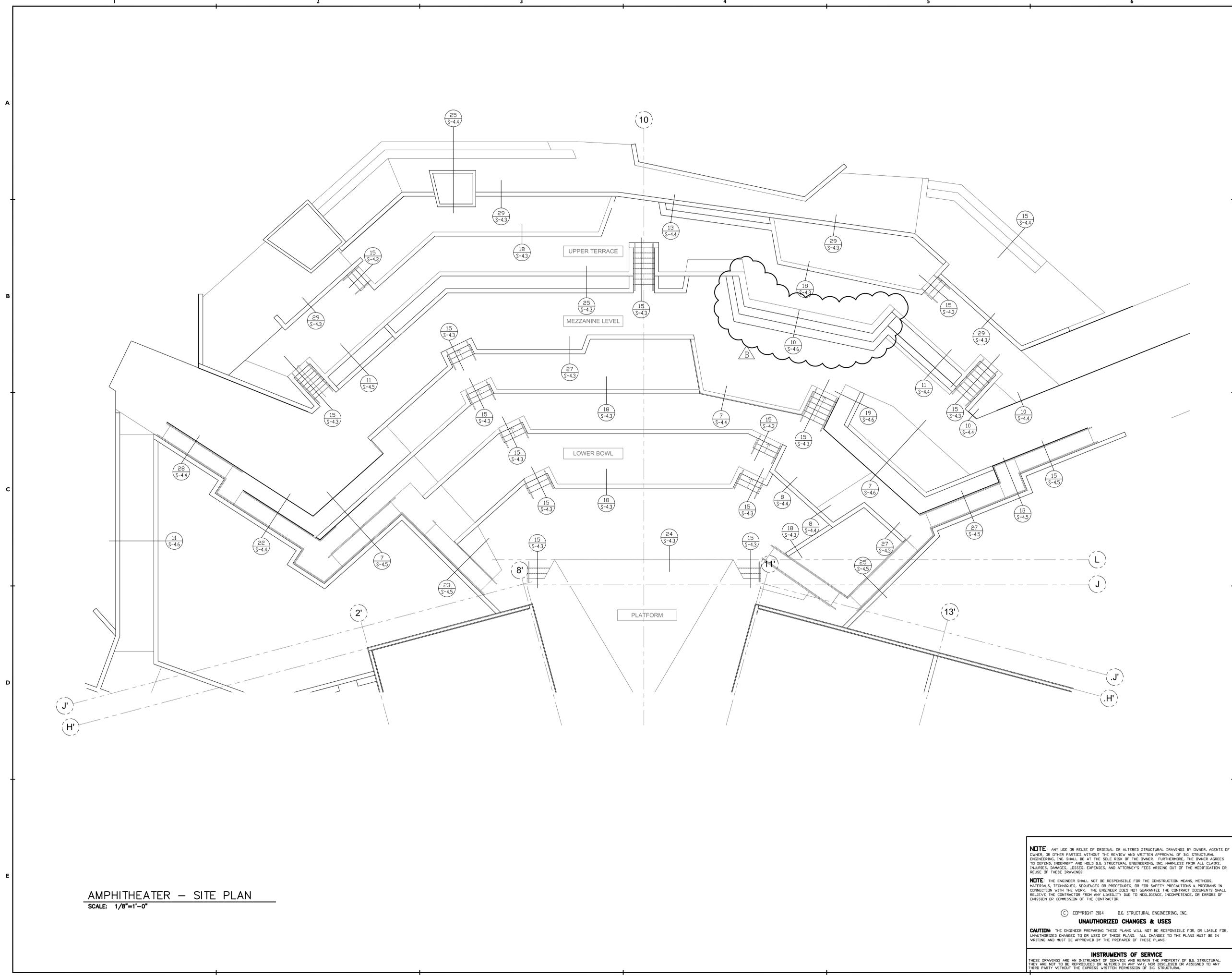
SHEET TITLE: **GENERAL NOTES**

SCALE: N.T.S.

SHEET NUMBER:

**S-1.1**





**AMPHITHEATER – SITE PLAN**  
SCALE: 1/8"=1'-0"

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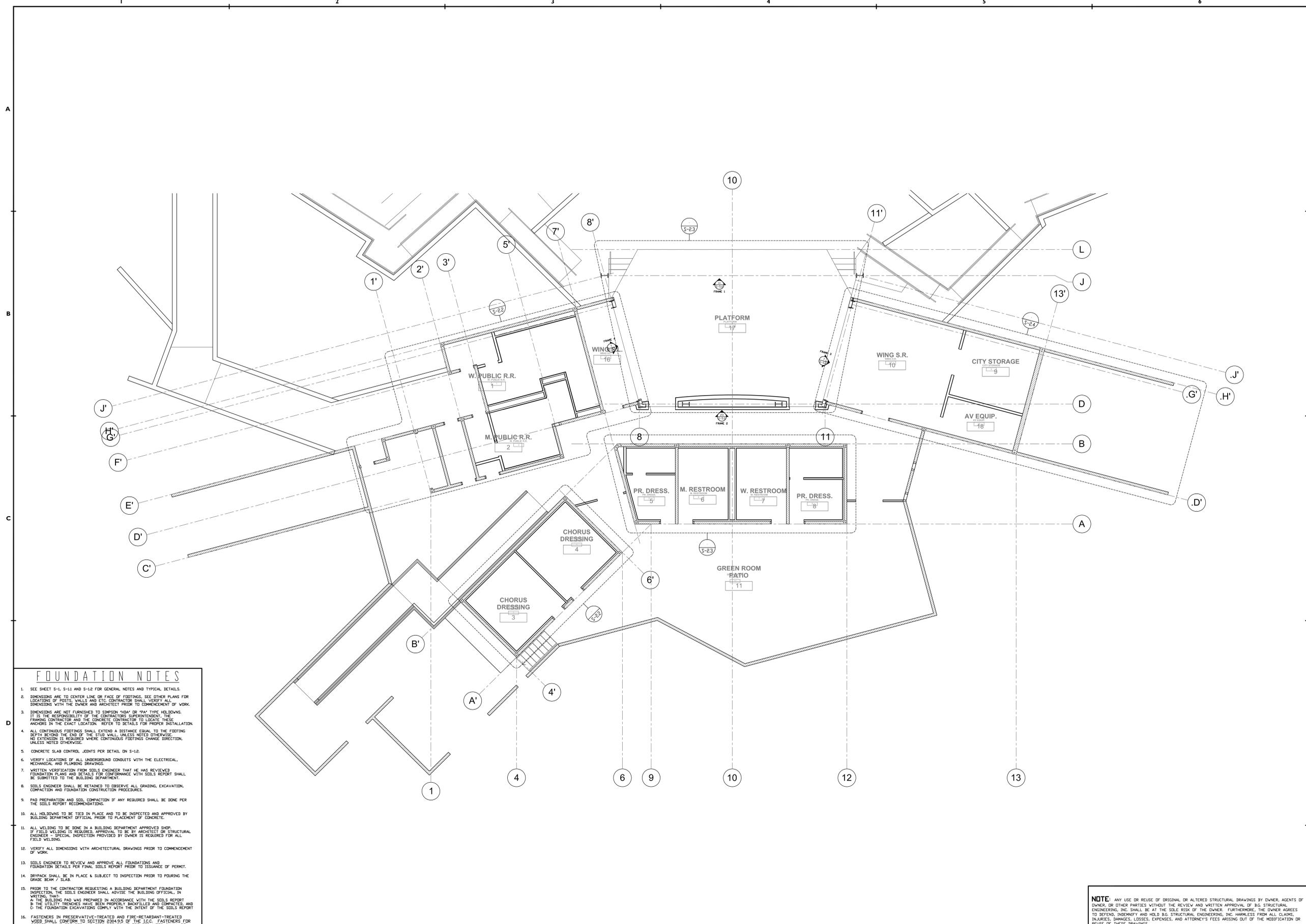
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SHEET TITLE: **SITE PLAN**  
SCALE: AS NOTED  
SHEET NUMBER:  
**S-2**



- FOUNDATION NOTES**
- SEE SHEET S-1, S-11 AND S-12 FOR GENERAL NOTES AND TYPICAL DETAILS.
  - DIMENSIONS ARE TO CENTER LINE OR FACE OF FOOTINGS. SEE OTHER PLANS FOR LOCATIONS OF POSTS, WALLS AND ETC. CONTRACTOR SHALL VERIFY ALL DIMENSIONS WITH THE OWNER AND ARCHITECT PRIOR TO COMMENCEMENT OF WORK.
  - DIMENSIONS ARE NOT FURNISHED TO SIMPSON "SD" OR "RA" TYPE HOLDINGS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR SUPERINTENDENT, THE FRAMING CONTRACTOR AND THE CONCRETE CONTRACTOR TO LOCATE THESE ANCHORS IN THE EXACT LOCATION. REFER TO DETAILS FOR PROPER INSTALLATION.
  - ALL CONTINUOUS FOOTINGS SHALL EXTEND A DISTANCE EQUAL TO THE FOOTING DEPTH BEYOND THE END OF THE STUD WALLS, UNLESS NOTED OTHERWISE. NO EXTENSION IS REQUIRED WHERE CONTINUOUS FOOTINGS CHANGE DIRECTION, UNLESS NOTED OTHERWISE.
  - CONCRETE SLAB CONTROL JOINTS PER DETAIL ON S-12.
  - VERIFY LOCATIONS OF ALL UNDERGROUND CONDUITS WITH THE ELECTRICAL, MECHANICAL AND PLUMBING DRAWINGS.
  - WRITTEN VERIFICATION FROM SOILS ENGINEER THAT HE HAS REVIEWED FOUNDATION PLANS AND DETAILS FOR CONFORMANCE WITH SOILS REPORT SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT.
  - SOILS ENGINEER SHALL BE RETAINED TO OBSERVE ALL GRADING, EXCAVATION, COMPACTION AND FOUNDATION CONSTRUCTION PROCEDURE.
  - PAD PREPARATION AND SOIL COMPACTION IF ANY REQUIRED SHALL BE DONE PER THE SOILS REPORT RECOMMENDATIONS.
  - ALL HOLD-DOWNS TO BE TIED IN PLACE AND TO BE INSPECTED AND APPROVED BY BUILDING DEPARTMENT OFFICIAL PRIOR TO PLACEMENT OF CONCRETE.
  - ALL WELDING TO BE DONE IN A BUILDING DEPARTMENT APPROVED SHOP. IF FIELD WELDING IS REQUIRED, APPROVAL TO BE BY ARCHITECT OR STRUCTURAL ENGINEER - SPECIAL. INSPECTION PROVIDED BY OWNER IS REQUIRED FOR ALL FIELD WELDING.
  - VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO COMMENCEMENT OF WORK.
  - SOILS ENGINEER TO REVIEW AND APPROVE ALL FOUNDATIONS AND FOUNDATION DETAILS PER FINAL SOILS REPORT PRIOR TO ISSUANCE OF PERMIT.
  - DRYPACK SHALL BE IN PLACE & SUBJECT TO INSPECTION PRIOR TO POURING THE GRADE BEAM / SLAB.
  - PRIOR TO THE CONTRACTOR REQUESTING A BUILDING DEPARTMENT FOUNDATION INSPECTION, THE SOILS ENGINEER SHALL ADVISE THE BUILDING OFFICIAL, IN WRITING, THAT:
    - A) THE BUILDING PAD WAS PREPARED IN ACCORDANCE WITH THE SOILS REPORT
    - B) THE UTILITY TRENCHES HAVE BEEN PROPERLY BACKFILLED AND COMPACTED, AND
    - C) THE FOUNDATION EXCAVATIONS COMPLY WITH THE INTENT OF THE SOILS REPORT
  - FASTENERS IN PRESERVATIVE-TREATED AND FIRE-RETARDANT-TREATED WOOD SHALL CONFORM TO SECTION 050505 OF THE I.C.C. FASTENERS FOR PRESERVATIVE-TREATED AND FIRE-RETARDANT-TREATED WOOD SHALL BE OF HOT DIPPED ZINC-COATED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE OR COPPER. THE COATING WEIGHTS FOR ZINC-COATED FASTENERS SHALL BE IN ACCORDANCE WITH ASTM A 153. EXCEPTION: FASTENERS OTHER THAN NAILS, TIMBER RIVETS, WOOD SCREWS AND LAG SCREWS SHALL BE PERMITTED TO BE OF MECHANICALLY DEPOSITED ZINC COATED STEEL WITH COATING WEIGHTS IN ACCORDANCE WITH ASTM F 959. CLASS SS MINIMUM. FASTENING FOR WOOD FOUNDATIONS SHALL BE AS REQUIRED IN "AF&PA" TECHNICAL REPORT NO.7.
 

THE QUALITY MARK SHALL BE ON THE STAMP OR LABEL AFFIXED TO PRESERVATIVE-TREATED WOOD, AND SHALL INCLUDE THE FOLLOWING INFORMATION: IDENTIFICATION OF TREATING MANUFACTURER, TYPE OF PRESERVATIVE USED, MINIMUM PRESERVATIVE RETENTION (pcf), END USE FOR WHICH THE PRODUCT IS TREATED, MAPPA STANDARD TO WHICH THE PRODUCT WAS TREATED AND IDENTITY OF THE ACCREDITED INSPECTION AGENCY.
  - ADDITIONAL TESTS AS PROOF OF COMPLIANCE MAY BE REQUIRED BY THE BUILDING OFFICIAL TO BE MADE AT NO EXPENSE TO THE JURISDICTION. (CBC 1042.9)
  - REVISE PLANS TO STIPULATE THAT A MINIMUM OF TWO ANCHOR BOLTS WILL BE PROVIDED FOR EACH PLATE LENGTH WITH ONE BOLT LOCATED NOT MORE THAN 1/4" OR LESS THAN 4" FROM EACH END OF THE PIECE. (CBC 2308.6)

**AMPHITHEATER – OVERALL BUILDING PLAN**  
 SCALE: 1/8" = 1'-0"

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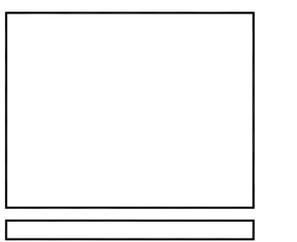
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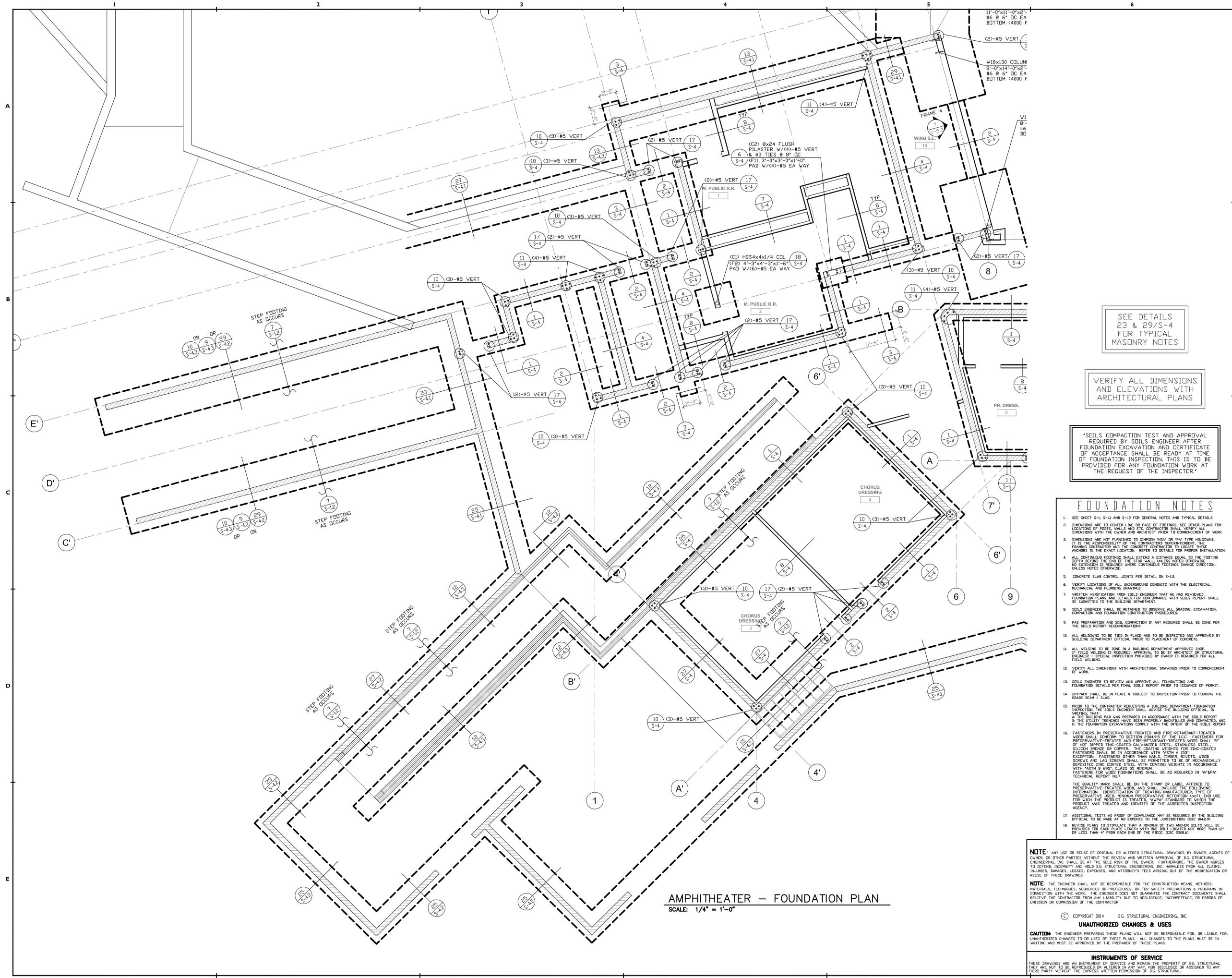
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SHEET TITLE: **OVERALL PLAN**  
 SCALE: AS NOTED  
 SHEET NUMBER:  
**S-2.1**



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

SEE DETAILS  
23 & 29/S-4  
FOR TYPICAL  
MASONRY NOTES

VERIFY ALL DIMENSIONS  
AND ELEVATIONS WITH  
ARCHITECTURAL PLANS

\*SOILS COMPACTION TEST AND APPROVAL  
REQUIRED BY SOILS ENGINEER AFTER  
FOUNDATION EXCAVATION AND CERTIFICATE  
OF ACCEPTANCE SHALL BE READY AT TIME  
OF FOUNDATION INSPECTION. THIS IS TO BE  
PROVIDED FOR ANY FOUNDATION WORK AT  
THE REQUEST OF THE INSPECTOR.\*

FOUNDATION NOTES

- SEE SHEET S-1, S-11 AND S-12 FOR GENERAL NOTES AND TYPICAL DETAILS.
- DIMENSIONS ARE TO CENTER LINE OR FACE OF FOOTINGS. SEE OTHER PLANS FOR LOCATIONS OF FINISH WALLS AND ETC. CONTRACTOR SHALL VERIFY ALL DIMENSIONS WITH THE OWNER AND ARCHITECT PRIOR TO COMMENCEMENT OF WORK.
- DIMENSIONS ARE NOT FURNISHED TO SIMPSON "HUB" OR "HAY" TYPE HOLD-DOWNS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE THE FRAMING CONTRACTOR AND THE CONCRETE CONTRACTOR TO LOCATE THESE ANCHORS IN THE CORRECT LOCATION. REFER TO DETAILS FOR PROPER INSTALLATION.
- ALL CONTINUOUS FOOTINGS SHALL EXTEND A DISTANCE EQUAL TO THE FOOTING DEPTH BEYOND THE END OF THE STUD WALL UNLESS NOTED OTHERWISE. NO EXTENSION IS REQUIRED WHERE CONTINUOUS FOOTINGS CHANGE DIRECTION, UNLESS NOTED OTHERWISE.
- CONCRETE SLAB CONTROL JOINTS PER DETAIL ON S-12.
- VERIFY LOCATIONS OF ALL UNDERGROUND CONDUITS WITH THE ELECTRICAL, MECHANICAL AND PLUMBING DRAWINGS.
- WRITTEN VERIFICATION FROM SOILS ENGINEER THAT HE HAS REVIEWED FOUNDATION PLANS AND DETAILS FOR CONFORMANCE WITH SOILS REPORT SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT.
- SOILS ENGINEER SHALL BE RETAINED TO OBSERVE ALL GRADING, EXCAVATION, COMPACTION AND FOUNDATION CONSTRUCTION PROCEDURES.
- PAD PREPARATION AND SOIL COMPACTION IF ANY REQUIRED SHALL BE DONE PER THE SOILS REPORT RECOMMENDATIONS.
- ALL HOLD-DOWNS TO BE TIED IN PLACE AND TO BE INSPECTED AND APPROVED BY BUILDING DEPARTMENT OFFICIAL PRIOR TO PLACEMENT OF CONCRETE.
- ALL WELDING TO BE DONE IN A BUILDING DEPARTMENT APPROVED SHOP. IF FIELD WELDING IS REQUIRED, APPROVAL TO BE BY ARCHITECT OR STRUCTURAL ENGINEER - SPECIAL INSPECTION PROVIDED BY OWNER IS REQUIRED FOR ALL FIELD WELDING.
- VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO COMMENCEMENT OF WORK.
- SOILS ENGINEER TO REVIEW AND APPROVE ALL FOUNDATIONS AND FOUNDATION DETAILS PER FINAL SOILS REPORT PRIOR TO ISSUANCE OF PERMIT. DRYPACK SHALL BE IN PLACE & SUBJECT TO INSPECTION PRIOR TO POURING THE GRADE BEAM / SLAB.
- PRIOR TO THE CONTRACTOR REQUESTING A BUILDING DEPARTMENT FOUNDATION INSPECTION, THE SOILS ENGINEER SHALL ADVISE THE BUILDING OFFICIAL, IN WRITING, THAT:
  - THE BUILDING PAD WAS PREPARED IN ACCORDANCE WITH THE SOILS REPORT
  - THE UTILITY TRENCHES HAVE BEEN PROPERLY BACKFILLED AND COMPLETED, AND
  - THE FOUNDATION EXCAVATIONS COMPLY WITH THE INTENT OF THE SOILS REPORT
- FASTENERS IN PRESERVATIVE-TREATED AND FIRE-RETARDANT-TREATED WOOD SHALL CONFIRM TO SECTION E304.9.3 OF THE I.C.C. FASTENERS FOR PRESERVATIVE-TREATED WOOD SHALL INCLUDE: GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE OR COPPER. THE COATING WEIGHTS FOR ZINC-COATED FASTENERS SHALL BE IN ACCORDANCE WITH "ASTM A 153" EXCEPT FASTENERS OTHER THAN WOOD SCREWS, WOOD SCREWS AND LAG SCREWS SHALL BE PERMITTED TO BE OF MECHANICALLY DEPOSITED ZINC COATED STEEL WITH COATING WEIGHTS IN ACCORDANCE WITH "ASTM B 695" CLASS 55 MINIMUM. FASTENING FOR WOOD FOUNDATIONS SHALL BE AS REQUIRED IN "AF&P" TECHNICAL REPORT No.7. THE QUALITY MARK SHALL BE ON THE STAMP OR LABEL AFFIXED TO PRESERVATIVE-TREATED WOOD AND SHALL INCLUDE THE FOLLOWING INFORMATION: IDENTIFICATION OF TREATING MANUFACTURER, TYPE OF PRESERVATIVE USED, MINIMUM PRESERVATIVE RETENTION (ppcf), END USE FOR WHICH THE PRODUCT IS TREATED, NAME OF STANDARD TO WHICH THE PRODUCT WAS TREATED AND IDENTITY OF THE ACCREDITED INSPECTION AGENCY.
- ADDITIONAL TESTS AS PROOF OF COMPLIANCE MAY BE REQUIRED BY THE BUILDING OFFICIAL TO BE MADE AT NO EXPENSE TO THE JURISDICTION. (CBC 1042.99)
- REFER PLANS TO SPECULATE THAT A MINIMUM OF TWO ANCHOR BOLTS WILL BE PROVIDED FOR EACH PLATE LENGTH WITH ONE BOLT LOCATED NOT MORE THAN 12" OR LESS THAN 4" FROM EACH END OF THE PIECE. (CBC 2006.6)

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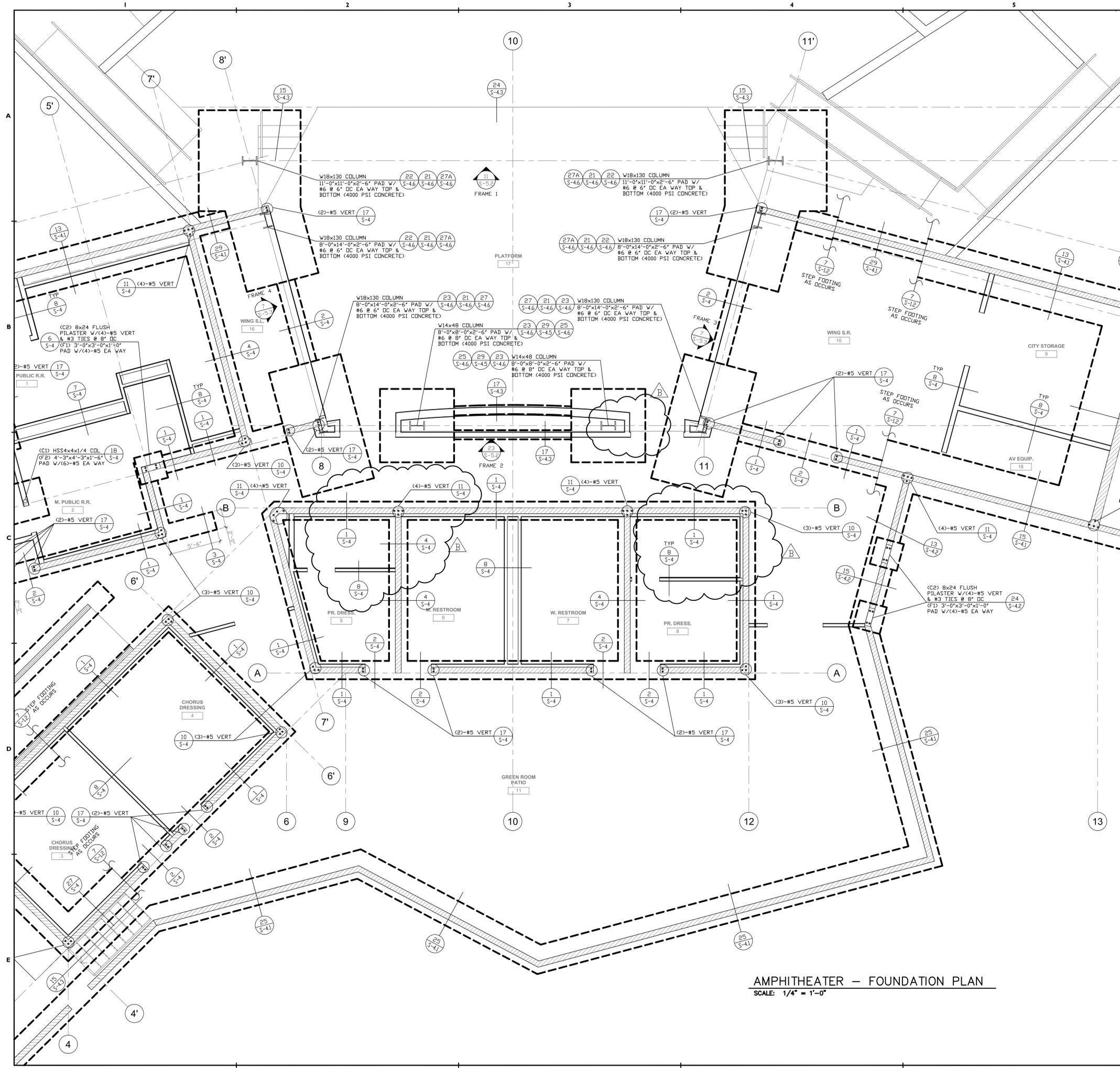
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<input type="checkbox"/> PLANS CHECK SET	<b>B.G.</b>
<input type="checkbox"/> PERMIT SET	MCA PROJECT NO:
<input type="checkbox"/> BID SET	<b>13-007</b>
<input type="checkbox"/> CONSTRUCTION SET	

**Whitewater Park Expansion & Amphitheater**  
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for  
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SHEET TITLE: **FOUNDATION PLAN**  
SCALE: AS NOTED  
SHEET NUMBER:  
**S-2.2**



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

SEE DETAILS  
23 & 29/S-4  
FOR TYPICAL  
MASONRY NOTES

VERIFY ALL DIMENSIONS  
AND ELEVATIONS WITH  
ARCHITECTURAL PLANS

\*SOILS COMPACTION TEST AND APPROVAL  
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FOUNDATION EXCAVATION AND CERTIFICATE  
OF ACCEPTANCE SHALL BE READY AT TIME  
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THE REQUEST OF THE INSPECTOR.\*

**FOUNDATION NOTES**

- SEE SHEET S-1, S-11 AND S-12 FOR GENERAL NOTES AND TYPICAL DETAILS.
- DIMENSIONS ARE TO CENTER LINE OR FACE OF FOOTINGS. SEE OTHER PLANS FOR LOCATIONS OF FUR WALLS AND ETC. CONTRACTOR SHALL VERIFY ALL DIMENSIONS WITH THE OWNER AND ARCHITECT PRIOR TO COMMENCEMENT OF WORK.
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- ALL CONTINUOUS FOOTINGS SHALL EXTEND A DISTANCE EQUAL TO THE FOOTING DEPTH BEYOND THE END OF THE STUD WALL, UNLESS NOTED OTHERWISE. NO EXTENSION IS REQUIRED WHERE CONTINUOUS FOOTINGS CHANGE DIRECTION, UNLESS NOTED OTHERWISE.
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- SOILS ENGINEER TO REVIEW AND APPROVE ALL FOUNDATIONS AND FOUNDATION DETAILS PER FINAL SOILS REPORT PRIOR TO ISSUANCE OF PERMIT. WRITING THAT:
- THE BUILDING PAD WAS PREPARED IN ACCORDANCE WITH THE SOILS REPORT B. THE UTILITY TRENCHES HAVE BEEN PROPERLY BACKFILLED AND COMPLETED, AND C. THE FOUNDATION EXCAVATIONS COMPLY WITH THE INTENT OF THE SOILS REPORT.
- FASTENERS IN PRESERVATIVE-TREATED AND FIRE-RETARDANT-TREATED WOOD SHALL CONFORM TO SECTION 2304.93 OF THE I.C.C. FASTENERS FOR PRESERVATIVE-TREATED AND FIRE-RETARDANT-TREATED WOOD SHALL BE OF HOT DIPPED ZINC-COATED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE OR COPPER. THE COATING WEIGHTS FOR ZINC-COATED FASTENERS SHALL BE IN ACCORDANCE WITH "ASTM A 153". EXCEPT FASTENERS OTHER THAN WOOD SCREWS, WOOD SCREWS AND LAG SCREWS SHALL BE PERMITTED TO BE OF MECHANICALLY SPUN ZINC COATED STEEL WITH COATING WEIGHTS IN ACCORDANCE WITH "ASTM B 695". CLASS 55 MINIMUM. FASTENING FOR WOOD FOUNDATIONS SHALL BE AS REQUIRED IN "AF&P" TECHNICAL REPORT NO.7.
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BD SET	MCA PROJECT NO:
CONSTRUCTION SET	<b>13-007</b>

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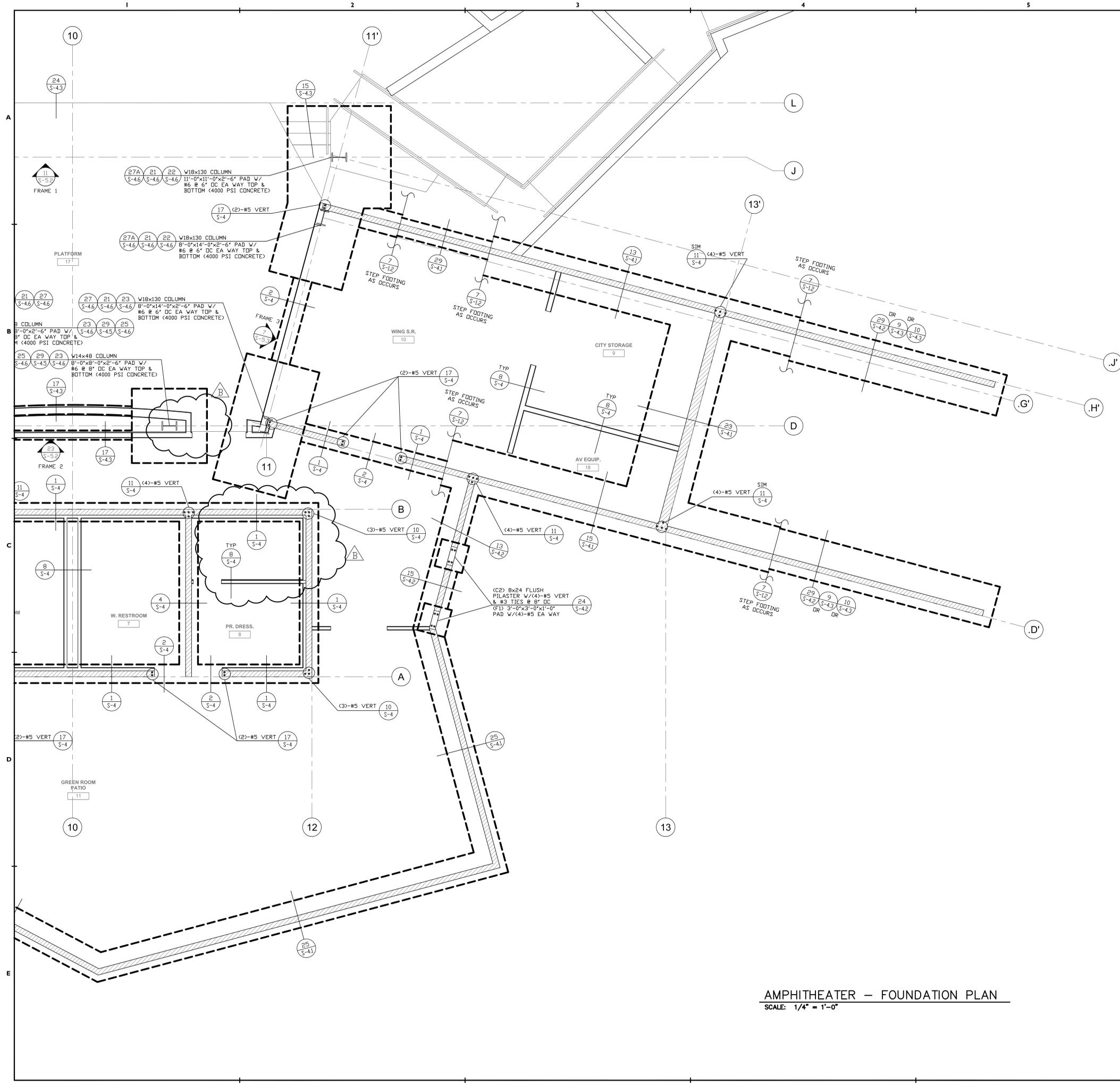
**Whitewater Park Expansion & Amphitheater**

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for  
**The City of Rancho Mirage**

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SHEET TITLE: **FOUNDATION PLAN**  
SCALE: AS NOTED  
SHEET NUMBER:  
**S-2.3**



SEE DETAILS  
23 & 29/S-4  
FOR TYPICAL  
MASONRY NOTES

VERIFY ALL DIMENSIONS  
AND ELEVATIONS WITH  
ARCHITECTURAL PLANS

\*SOILS COMPACTION TEST AND APPROVAL  
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**AMPHITHEATER - FOUNDATION PLAN**  
SCALE: 1/4" = 1'-0"



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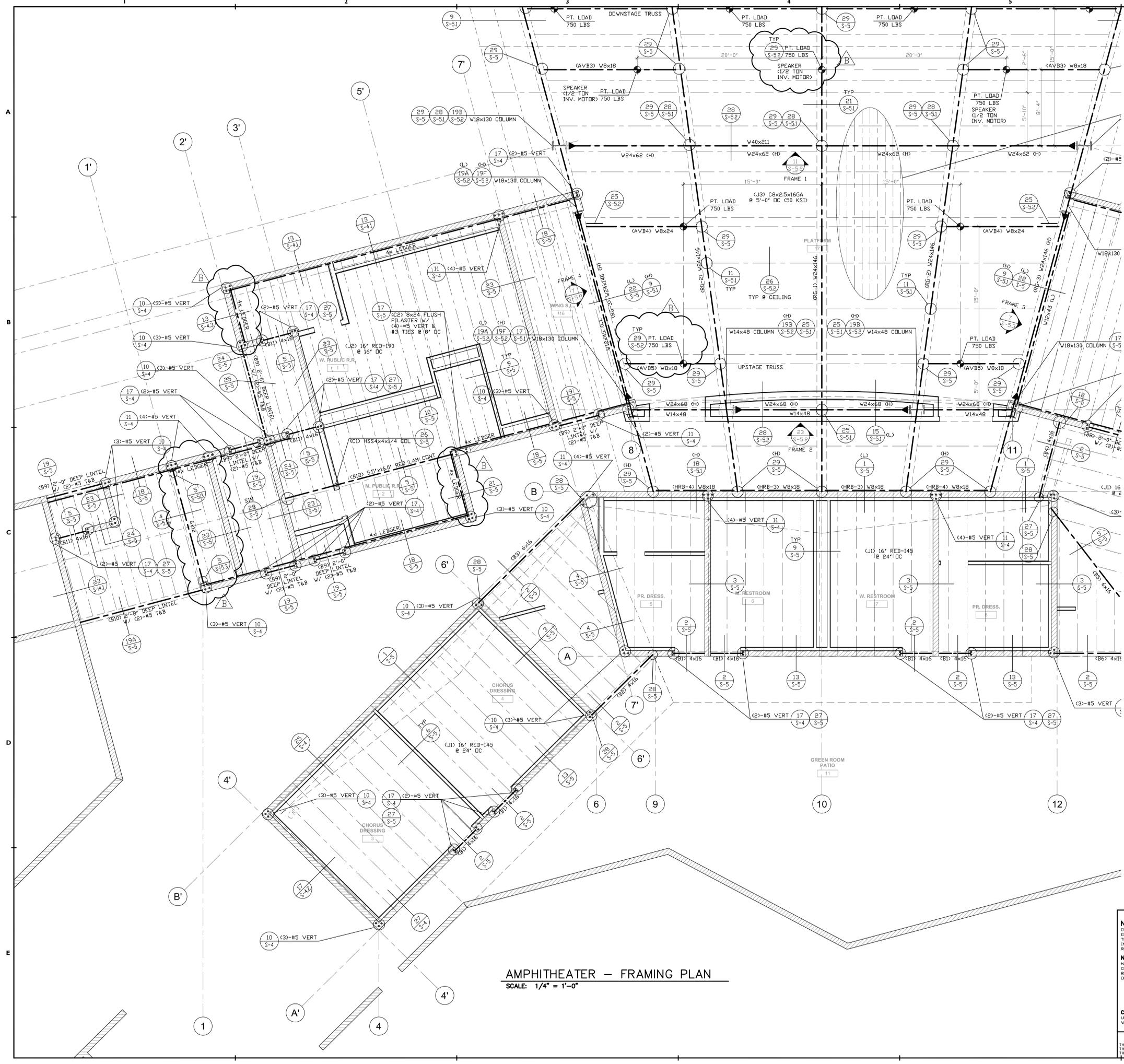
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SHEET TITLE: **FOUNDATION PLAN**  
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SHEET NUMBER:  
**S-2.4**



**AMPHITHEATER – FRAMING PLAN**  
SCALE: 1/4" = 1'-0"

SEE DETAILS  
23 & 29/S-4  
FOR TYPICAL  
MASONRY NOTES

VERIFY ALL DIMENSIONS  
AND ELEVATIONS WITH  
ARCHITECTURAL PLANS

ROOF LOADS	
DEAD LOAD	
FLAT ROOF WITH ROCK	93.0 P.S.F.
FLAT ROOF WITHOUT ROCK	18.0 P.S.F.
AMPHITHEATER	10.0 P.S.F.
LIVE LOAD	
ROOF	20.0 P.S.F.

- FRAMING NOTES**
- SEE SHEET S-1, S-11 AND S-12 FOR GENERAL NOTES AND TYPICAL DETAILS.
  - PROVIDE STRIPPING WHERE REQUIRED TO PROVIDE A UNIFORM SURFACE WHERE FLUSH JOIST AND BEAMS ARE DIFFERENT DEPTH.
  - PROVIDE MULTIPLE STUDS AT ALL BEAMS FOR FULL BEARING UNLESS NOTED OTHERWISE ON PLANS.
  - USE SIMPSON 'LUL', 'LUS' OR 'H4' HANGERS AT FLUSH JOISTS AND BEAMS UNLESS NOTED OTHERWISE. MANUFACTURE TO DESIGN HANGERS FOR ROOF AND FLOOR TRUSSES AS OCCUR.
  - MEMBERS MARKED AS 'DRAG' OR 'SHEAR' TO HAVE CONTINUOUS BOUNDARY NAILING.
  - TRUSSES TO BE DESIGNED BY TRUSS COMPANY. TRUSS MANUFACTURER TO PROVIDE CALCULATIONS AND SHOP DRAWINGS TO ARCHITECT'S OFFICE AND STRUCTURAL ENGINEER'S OFFICE PRIOR TO TRUSS FABRICATION. TRUSSES TO BE ENGINEERED BY TRUSS MANUFACTURER.
  - ALL NAILING SHALL BE IN FULL COMPLIANCE WITH ICC TABLE 2304.9.1.
  - GLU-LAM BEAMS SHALL BE MARKED ANTI-SLIP STANDARD A1901
    - PROVIDE FIELD INSPECTOR WITH APPROVED CERTIFICATE OF INSPECTION.
    - BEAM CAMBER INSPECTION SHALL BE DONE IN THE FABRICATION SHOP IN THE UNSTRESSED CONDITION.
  - SHOP DRAWINGS SHALL BE SUBMITTED FOR ALL STRUCTURAL STEEL AND GLU-LAM BEAMS FOR ENGINEER'S REVIEW PRIOR TO FABRICATION.
  - ALL FIELD WELDING SHALL BE DONE BY CERTIFIED WELDERS UNDER THE OBSERVATION OF AN APPROVED SPECIAL INSPECTOR. SUCH INSPECTOR SHALL SUBMIT HIS/HER CREDENTIALS FOR REVIEW OF APPROVAL BY THE LOCAL CITY DEPARTMENT OF BUILDING & SAFETY PRIOR TO REPORTING TO THE JOB SITE.
  - ALL PLYWOOD SHEATHING TO BE APPLIED LONG DIMENSION PERPENDICULAR TO JOISTS. PLYWOOD SHEATHING TO BE 2'-0" MINIMUM CONNECTORS OR APPROVED EQUIVALENT PRIOR TO FABRICATION.
  - CANTILEVERED GLU-LAM BEAMS TO BE COMBINATION 24E-V8.
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  - EACH TRUSS SHALL BE LEGIBLY BRANDED, MARKED OR OTHERWISE HAVE PERMANENTLY AFFIXED THEREON THE FOLLOWING INFORMATION LOCATED WITHIN 2 FEET OF THE CENTER OF THE SPAN ON THE FACE OF THE BOTTOM CHORD:
    - IDENTITY OF THE COMPANY MANUFACTURING THE TRUSS
    - THE DESIGN LOAD
    - THE SPACING OF THE TRUSSES
  - TIE NAILS SHALL NOT BE USED TO TRANSFER LATERAL FORCES IN EXCESS OF 150 LBS FROM DIAPHRAGMS TO SHEAR WALLS, DRAG STRUTS OR OTHER ELEMENTS OR FROM SHEAR WALLS TO OTHER ELEMENTS. (CBC 2303.1)
  - ENGINEERED WOOD PRODUCTS SUCH AS PREFABRICATED WOOD I-JOISTS, STRUCTURAL GLUE-LAMINATED TIMBER, STRUCTURAL COMPOSITE LUMBER AND DESIGN TRUSSES SHALL NOT BE NOTCHED OR DRILLED EXCEPT WHERE PERMITTED BY MANUFACTURER'S RECOMMENDATIONS OR WHERE THE EFFECTS OF SUCH ALTERATIONS ARE SPECIFICALLY CONSIDERED IN THE DESIGN OF THE MEMBER BY A REGISTERED DESIGN PROFESSIONAL.
  - MOISTURE CONTENT OF PRESERVATIVE-TREATED WOOD SHALL BE 19 PERCENT OR LESS BEFORE BEING COVERED WITH INSULATION, INTERIOR WALL FINISH, AND FLOOR COVERING OF OTHER MATERIALS WHEN USED IN ENCLOSED LOCATIONS.
  - A MINIMUM OF TWO ANCHOR BOLTS WILL BE PROVIDED FOR EACH END OF THE PILE.

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**Whitewater Park Expansion & Amphitheater**

CP 12-284  
71-560 San Jacinto Dr  
Rancho Mirage, CA 92270

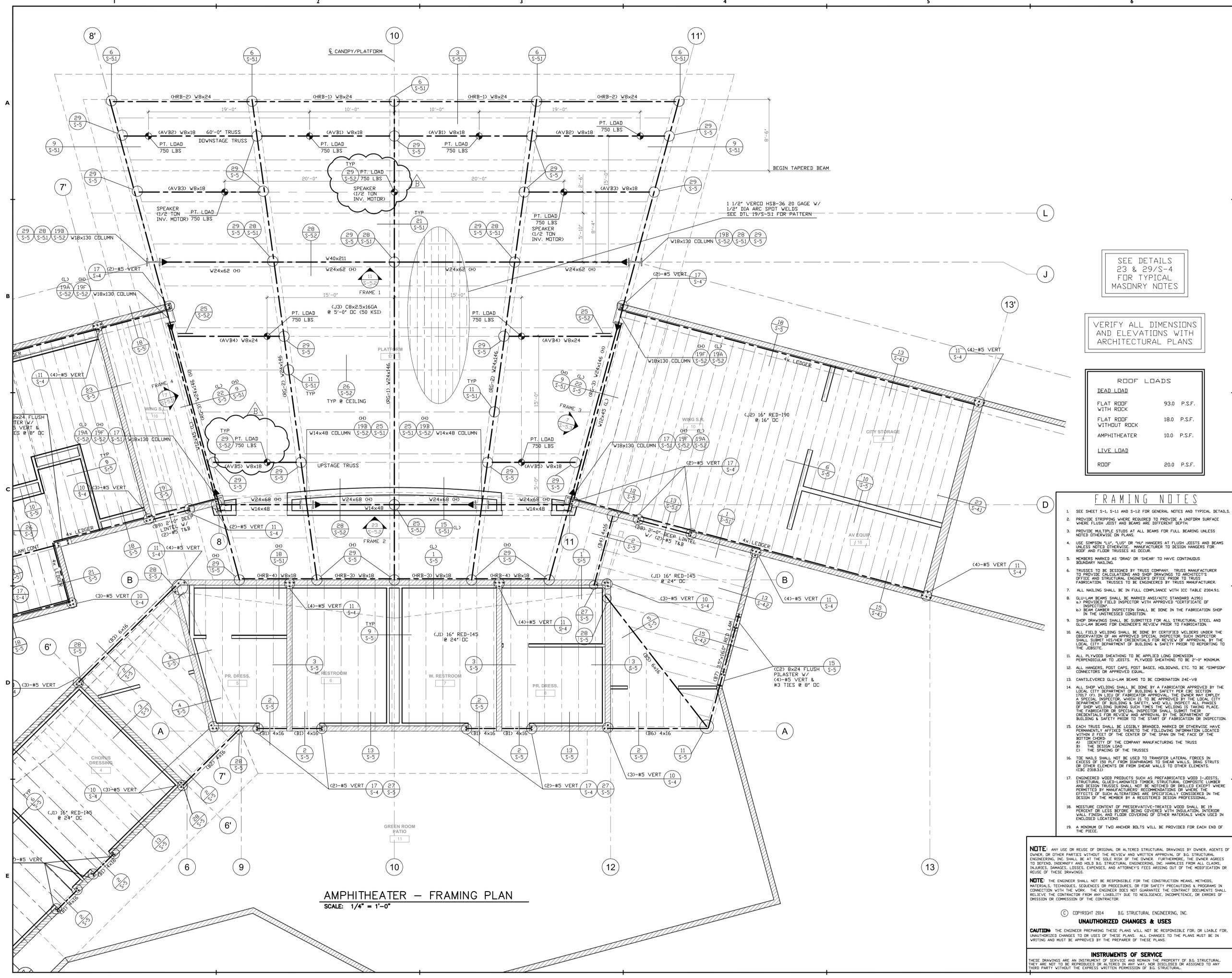
for  
**The City of Rancho Mirage**

69-825 Highway 111  
Rancho Mirage, CA 92270

760.324.4511

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SHEET TITLE: <b>FRAMING PLAN</b>
SCALE: AS NOTED
SHEET NUMBER: <b>S-3</b>



**AMPHITHEATER – FRAMING PLAN**  
SCALE: 1/4" = 1'-0"

SEE DETAILS  
23 & 29/S-4  
FOR TYPICAL  
MASONRY NOTES

VERIFY ALL DIMENSIONS  
AND ELEVATIONS WITH  
ARCHITECTURAL PLANS

ROOF LOADS	
DEAD LOAD	
FLAT ROOF WITH ROCK	93.0 P.S.F.
FLAT ROOF WITHOUT ROCK	18.0 P.S.F.
AMPHITHEATER	10.0 P.S.F.
LIVE LOAD	
ROOF	20.0 P.S.F.

**FRAMING NOTES**

- SEE SHEET S-1, S-11 AND S-12 FOR GENERAL NOTES AND TYPICAL DETAILS.
- PROVIDE STRIPPING WHERE REQUIRED TO PROVIDE A UNIFORM SURFACE WHERE FLUSH JOIST AND BEAMS ARE DIFFERENT DEPTH.
- PROVIDE MULTIPLE STUDS AT ALL BEAMS FOR FULL BEARING UNLESS NOTED OTHERWISE ON PLANS.
- USE SIMPSON 'LUP', 'LUS' OR 'HAP' HANGERS AT FLUSH JOISTS AND BEAMS UNLESS NOTED OTHERWISE. MANUFACTURER TO DESIGN HANGERS FOR ROOF AND FLOOR TRUSSES AS OCCUR.
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- ALL PLYWOOD SHEATHING TO BE APPLIED LONG DIMENSION PERPENDICULAR TO JOISTS. PLYWOOD SHEATHING TO BE 2'-0" MINIMUM.
- ALL HANGERS, POST CAPS, POST BASES, HOLDOWNS, ETC. TO BE 'SIMPSON' CONNECTORS OR APPROVED EQUIVALENTS.
- CANTILEVERED GLU-LAM BEAMS TO BE COMBINATION 24C-V8.
- ALL SHOP WELDING SHALL BE DONE BY A FABRICATOR APPROVED BY THE LOCAL CITY DEPARTMENT OF BUILDING & SAFETY PER CBC SECTION 17017. IN LIEU OF FABRICATOR APPROVAL, THE OWNER MAY EMPLOY A SPECIAL INSPECTOR WHICH IS TO BE APPROVED BY THE LOCAL CITY DEPARTMENT OF BUILDING & SAFETY. ALL PHASES OF SHOP WELDING DURING WHICH THE WELDING IS TAKING PLACE, THE FABRICATOR'S SPECIAL INSPECTOR SHALL SUBMIT THEIR CREDENTIALS FOR REVIEW AND APPROVAL BY THE DEPARTMENT OF BUILDING & SAFETY PRIOR TO THE START OF FABRICATION OR INSPECTION.
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  - IDENTITY OF THE COMPANY MANUFACTURING THE TRUSS
  - THE DESIGN LOAD
  - THE SPACING OF THE TRUSSES
- TIE BOLTS SHALL NOT BE USED TO TRANSFER LATERAL FORCES IN EXCESS OF 150 PLF FROM DIAPHRAGMS TO SHEAR WALLS, DRAG STUDS OR OTHER ELEMENTS OR FROM SHEAR WALLS TO OTHER ELEMENTS. (CBC 2304.9.1)
- ENGINEERED WOOD PRODUCTS SUCH AS PREFABRICATED WOOD I-JOISTS, STRUCTURAL GLUE-LAMINATED TIMBER, STRUCTURAL COMPOSITE LUMBER AND DESIGN TRUSSES SHALL NOT BE NOTICED OR DRILLED EXCEPT WHERE PERMITTED BY MANUFACTURER'S RECOMMENDATIONS OR WHERE THE EFFECTS OF SUCH ALTERATIONS ARE SPECIFICALLY CONSIDERED IN THE DESIGN OF THE MEMBER BY A REGISTERED DESIGN PROFESSIONAL.
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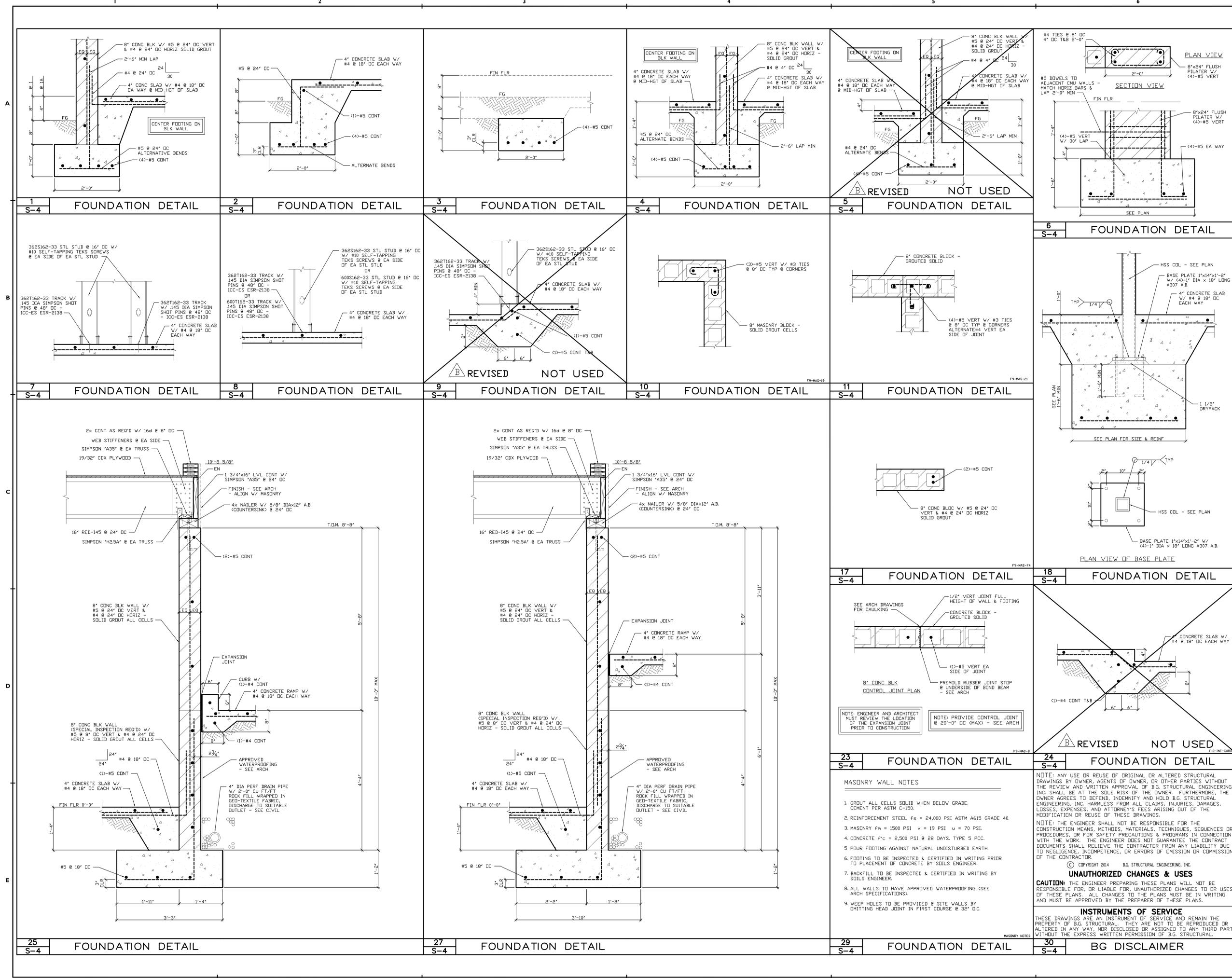
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PLANS/ISSUE SET	McA PROJECT NO: <b>13-007</b>
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CONSTRUCTION SET	

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for  
**The City of Rancho Mirage**

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760.324.4511

SHEET TITLE: **FRAMING PLAN**  
SCALE: AS NOTED  
SHEET NUMBER:  
**S-3.1**



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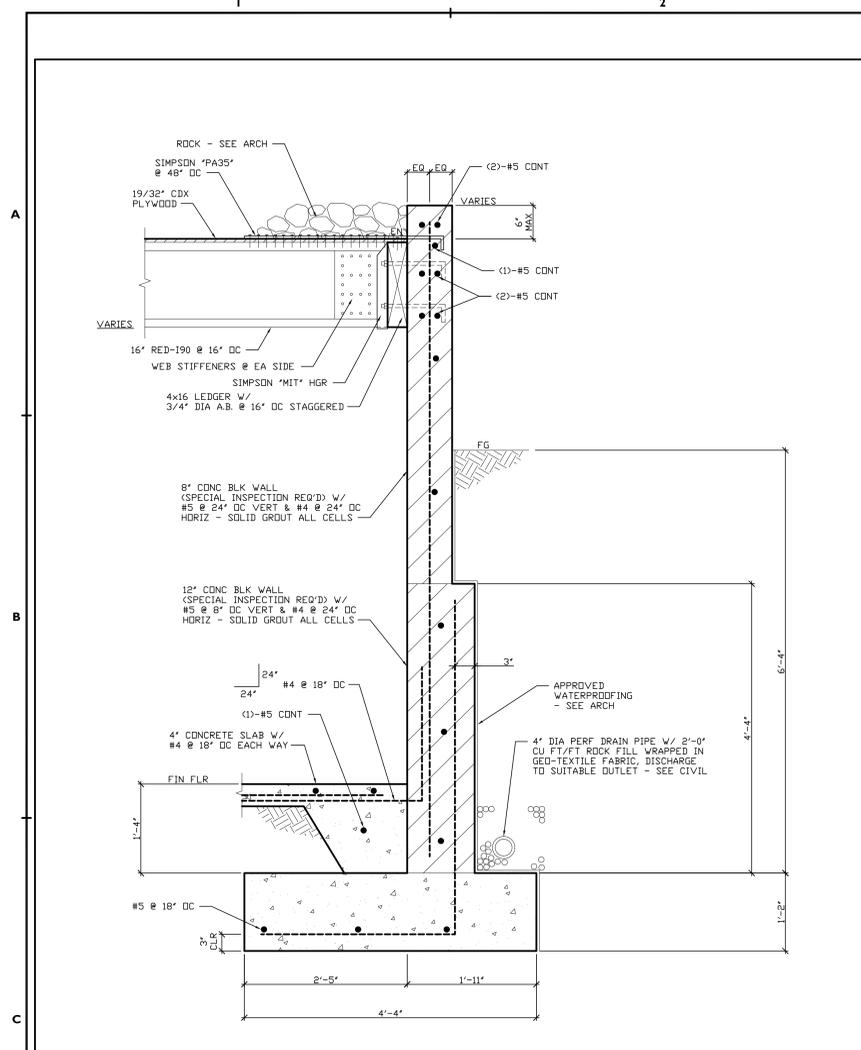
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 SHEET NUMBER: **S-4**

**MASONRY WALL NOTES**

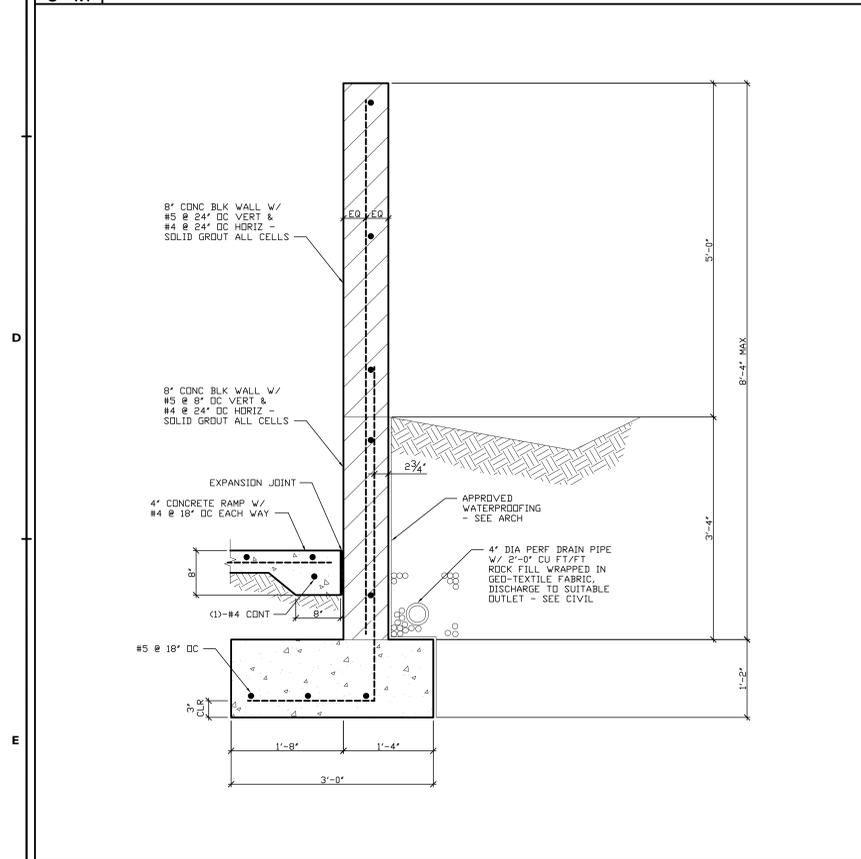
- GROUT ALL CELLS SOLID WHEN BELOW GRADE. CEMENT PER ASTM C-150.
- REINFORCEMENT STEEL  $F_s = 24,000$  PSI ASTM A615 GRADE 40.
- MASONRY  $F_m = 1500$  PSI  $v = 19$  PSI  $u = 70$  PSI.
- CONCRETE  $f'_c = 2,500$  PSI @ 28 DAYS. TYPE 5 PCC.
- POUR FOOTING AGAINST NATURAL UNDISTURBED EARTH.
- FOOTING TO BE INSPECTED & CERTIFIED IN WRITING PRIOR TO PLACEMENT OF CONCRETE BY SOILS ENGINEER.
- BACKFILL TO BE INSPECTED & CERTIFIED IN WRITING BY SOILS ENGINEER.
- ALL WALLS TO HAVE APPROVED WATERPROOFING (SEE ARCH SPECIFICATIONS).
- WEEP HOLES TO BE PROVIDED @ SITE WALLS BY OMITTING HEAD JOINT IN FIRST COURSE @ 32" O.C.

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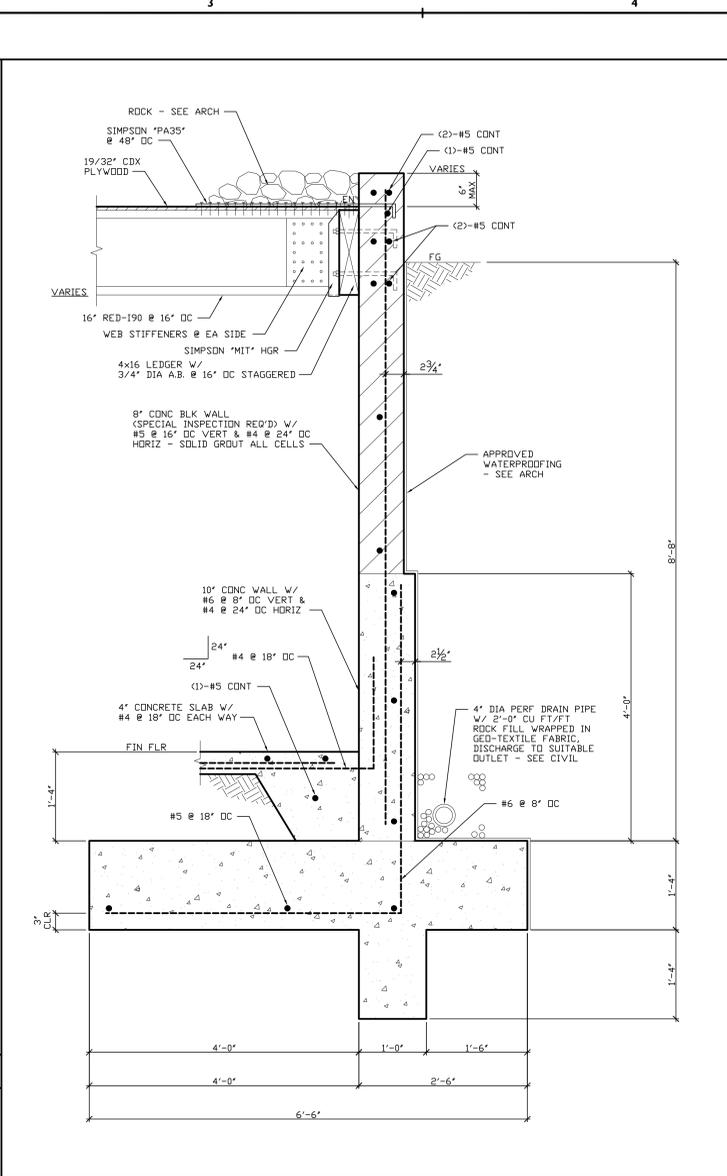
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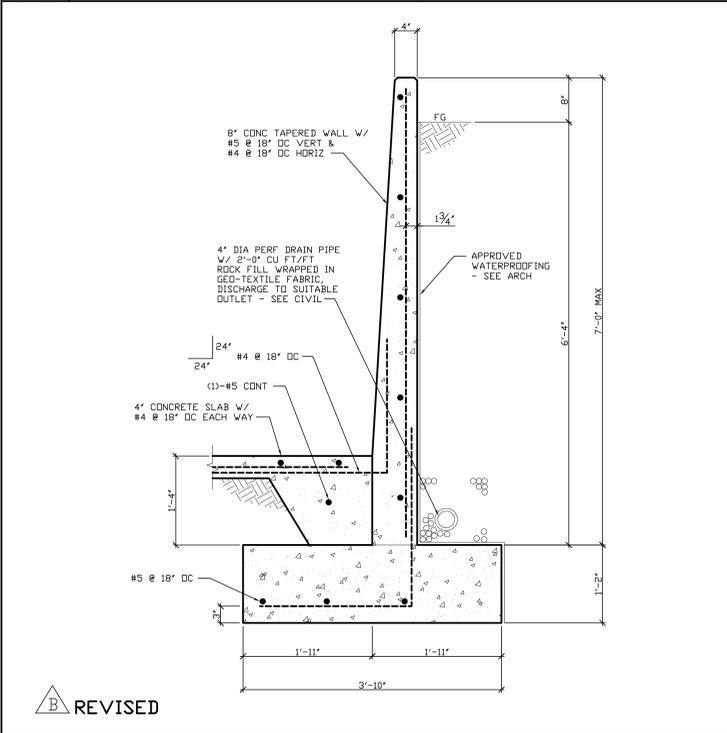
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S-4.1 FOUNDATION DETAIL



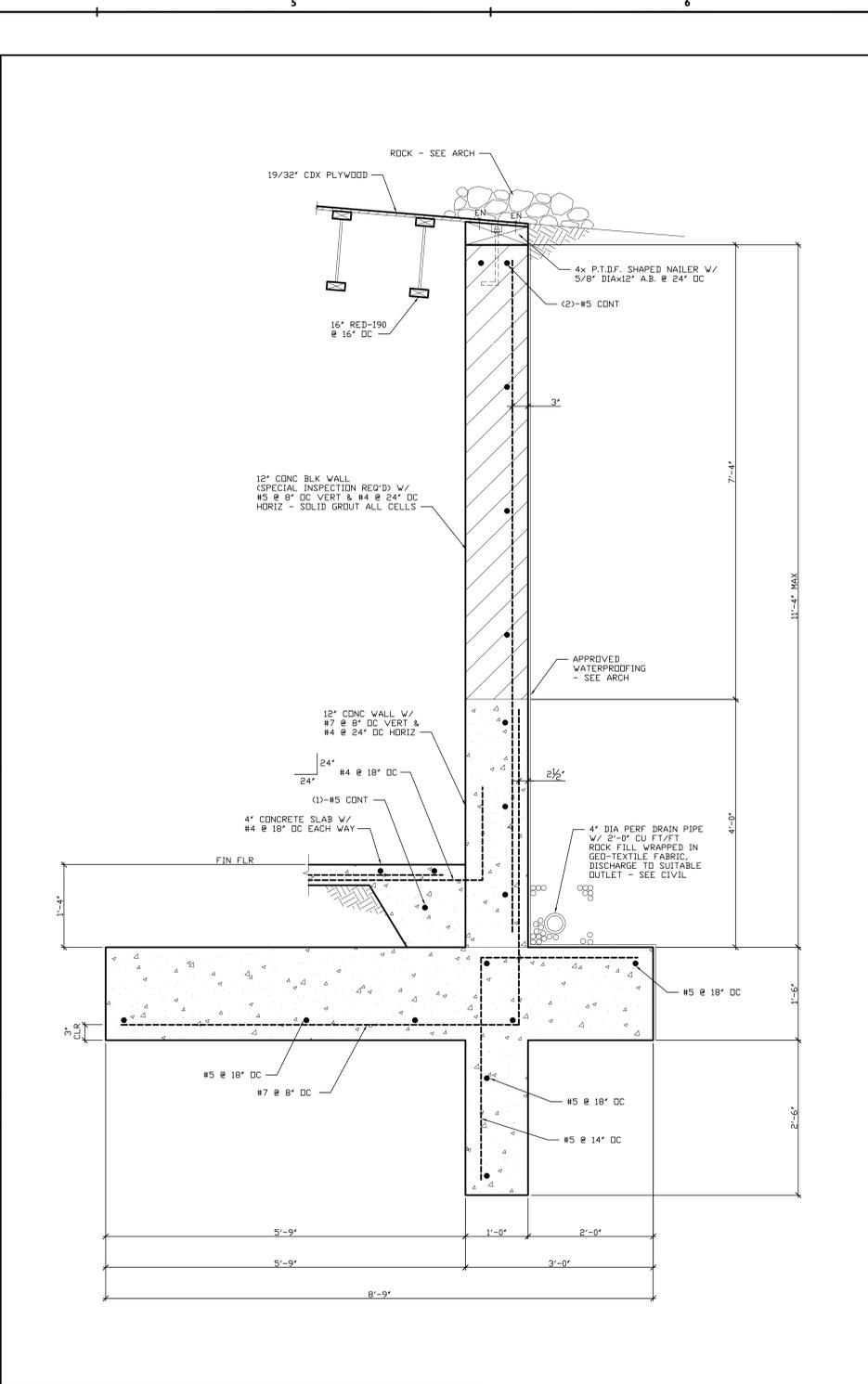
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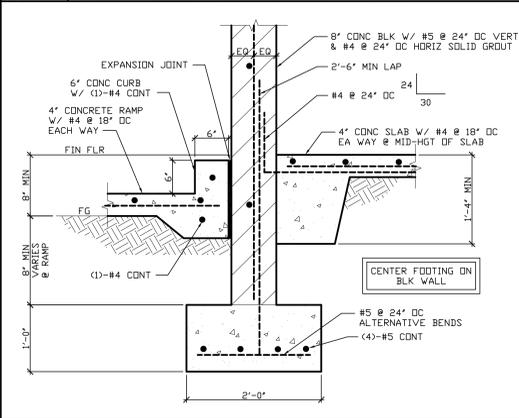
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S-4.1 FOUNDATION DETAIL



27  
S-4.1 FOUNDATION DETAIL



23  
S-4.1 FOUNDATION DETAIL

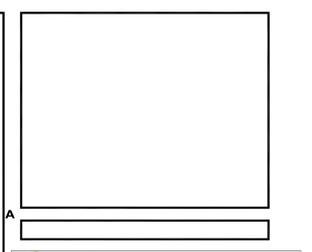


29  
S-4.1 FOUNDATION DETAIL

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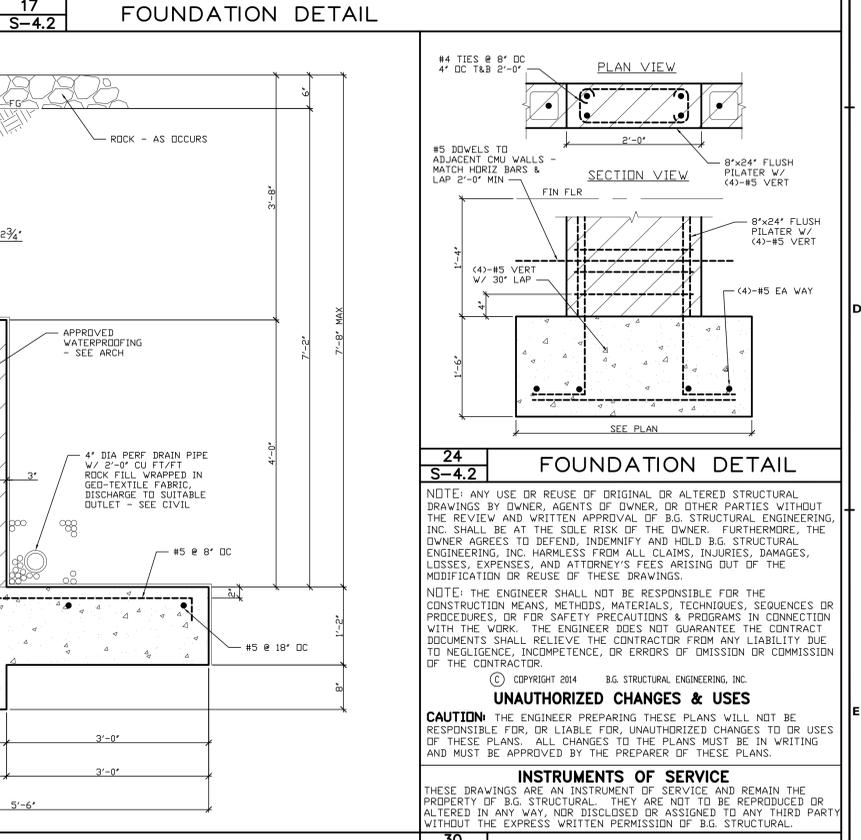
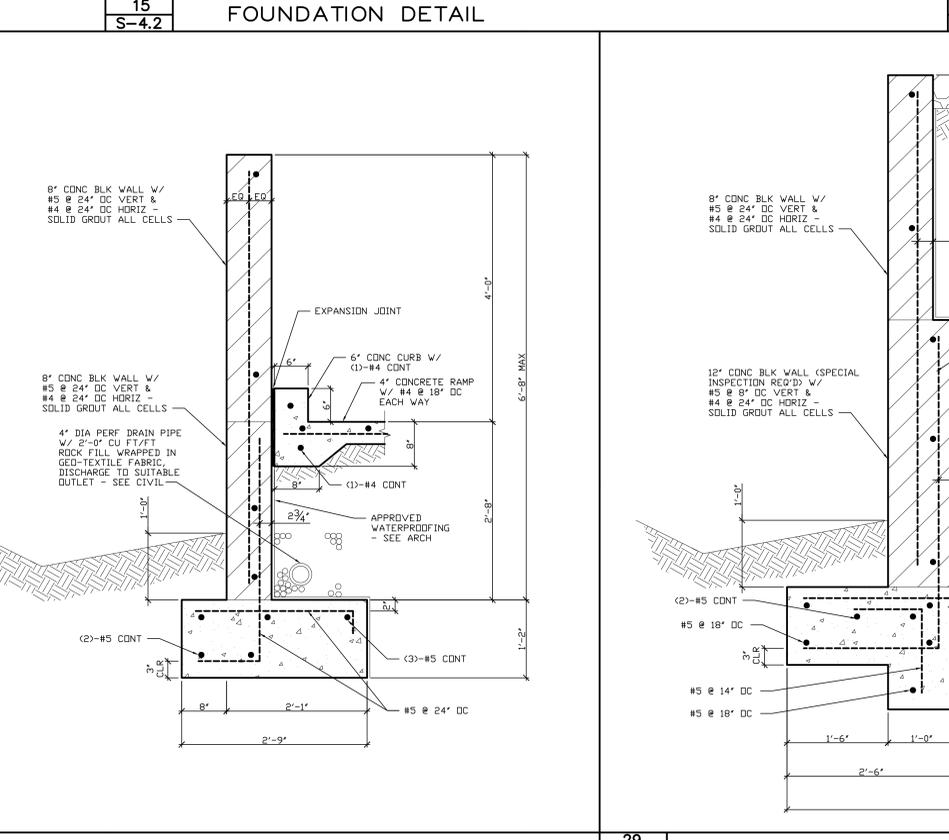
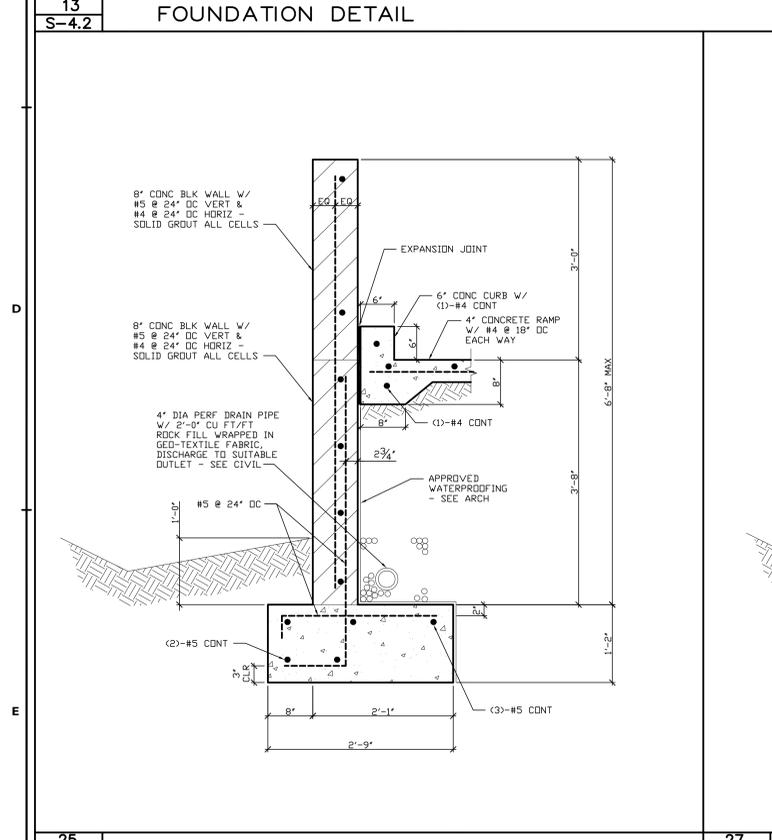
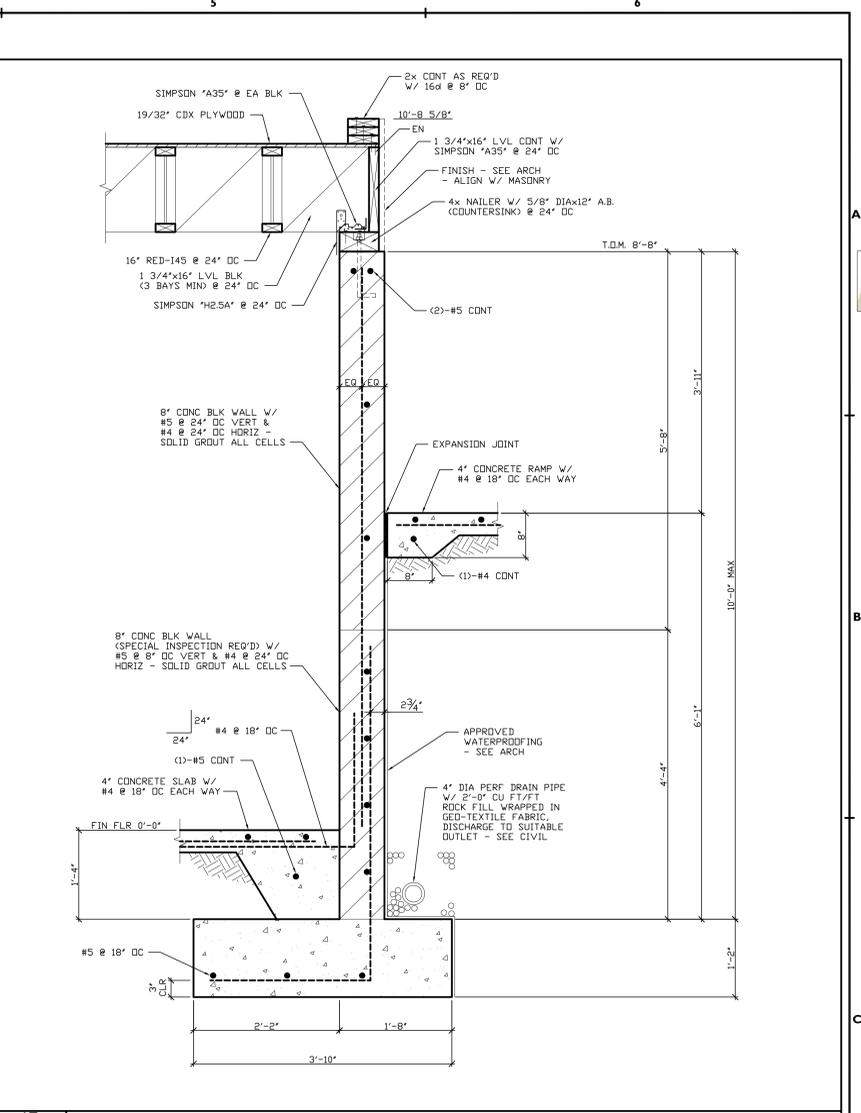
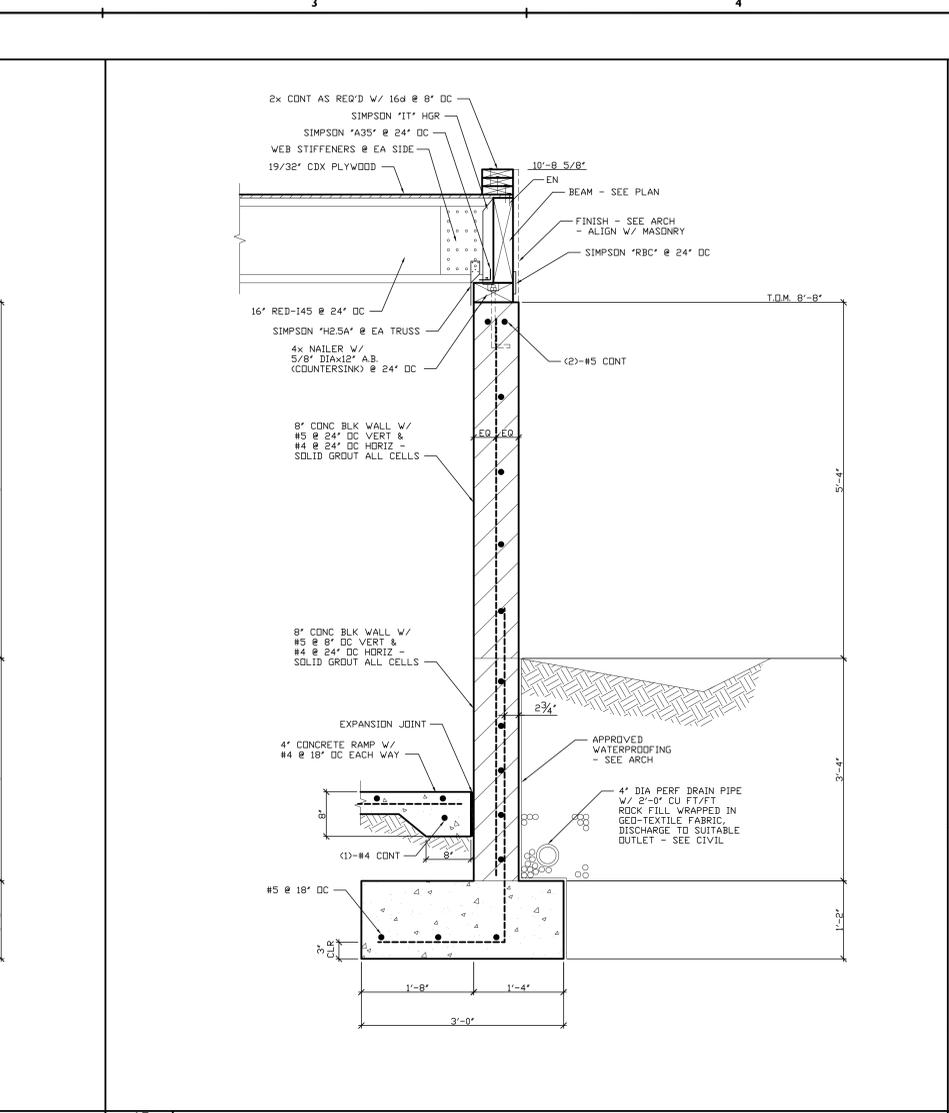
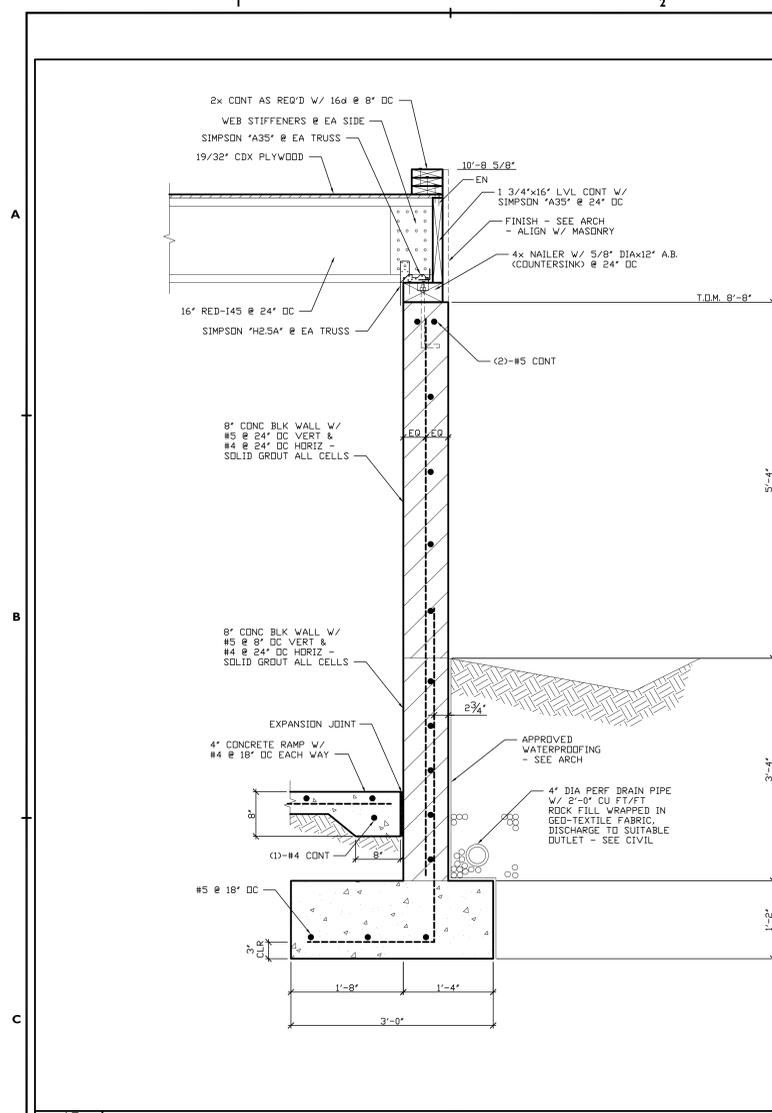


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ISSUED SET	<b>B.G.</b>
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	<b>13-007</b>

**Whitewater Park Expansion & Amphitheater**  
 CP 12-284  
 71-560 San Jacinto Dr  
 Rancho Mirage, CA 92270  
 for  
**The City of Rancho Mirage**  
 69-825 Highway 111  
 Rancho Mirage, CA 92270  
 760.324.4111

SHEET TITLE: **FOUNDATION DETAILS**  
 SCALE: N.T.S.  
 SHEET NUMBER: **S-4.1**



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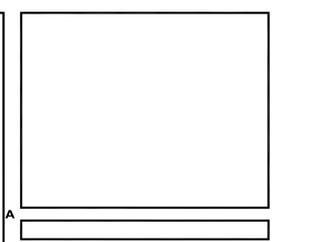
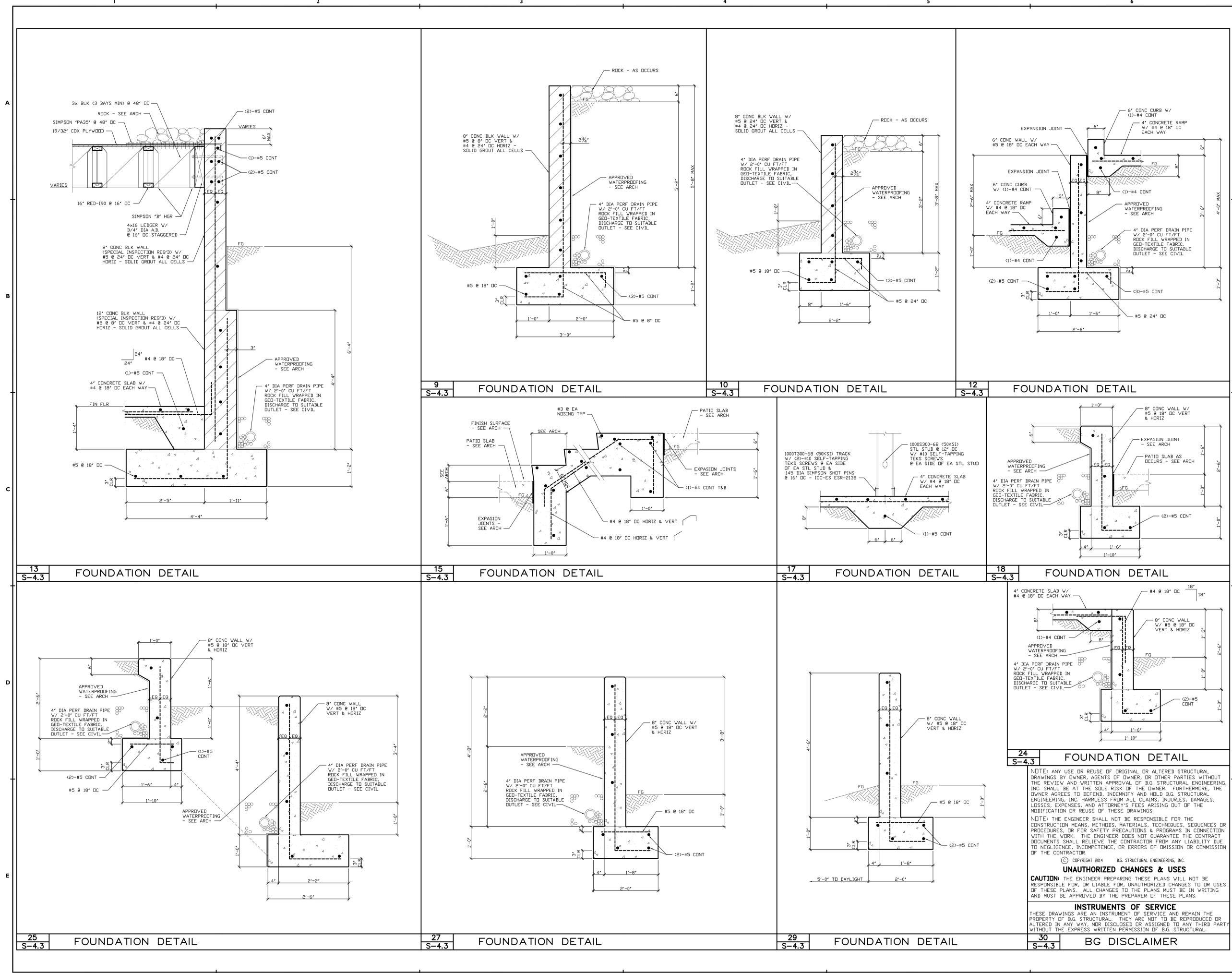
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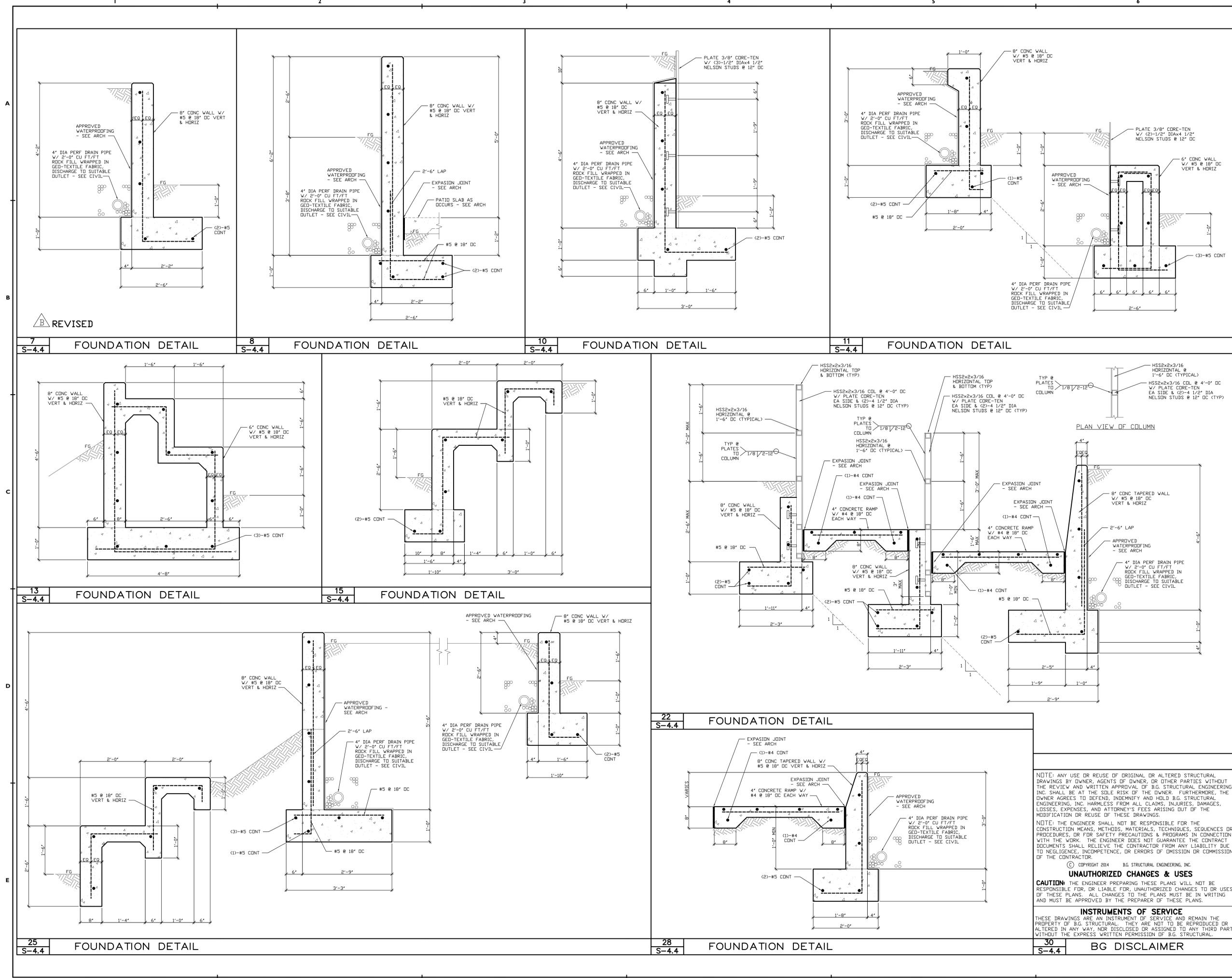
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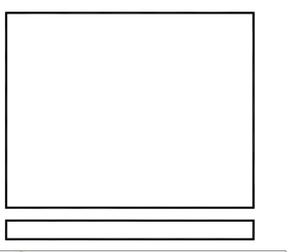
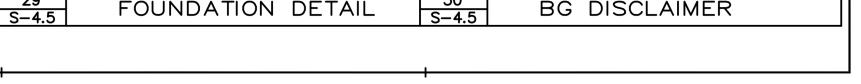
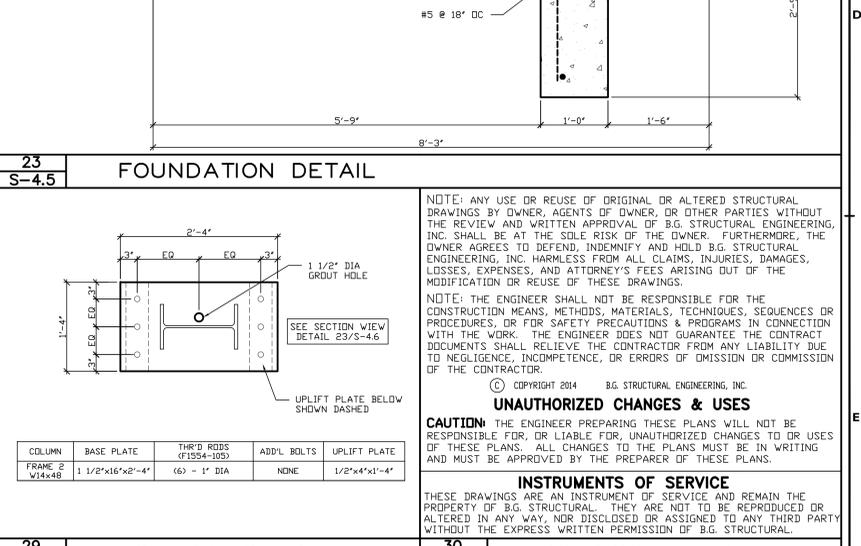
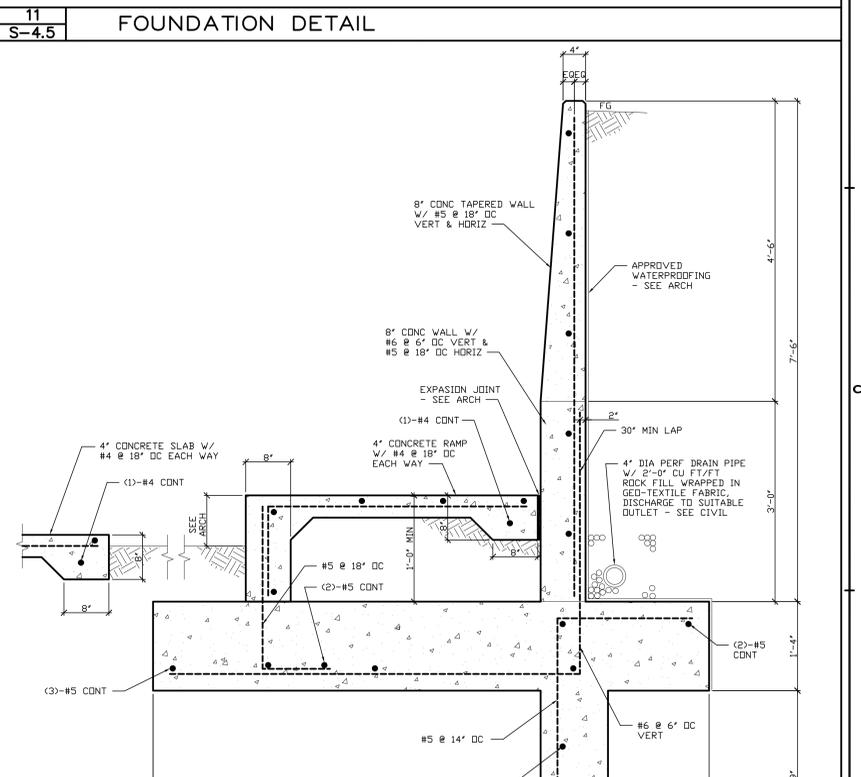
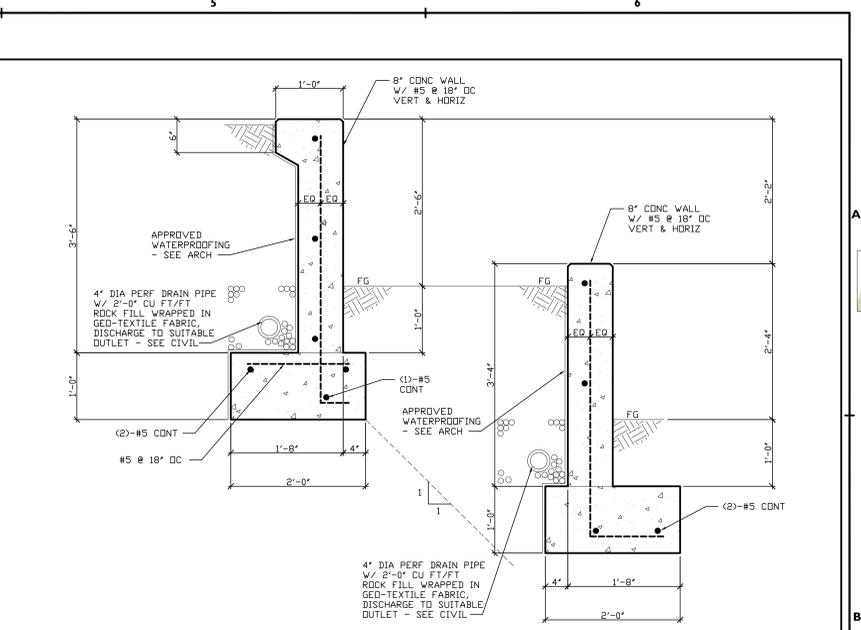
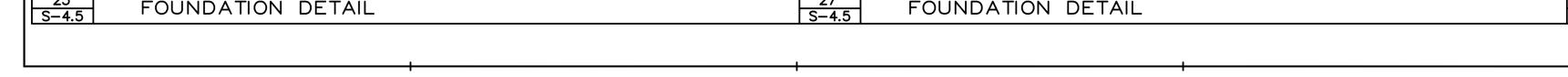
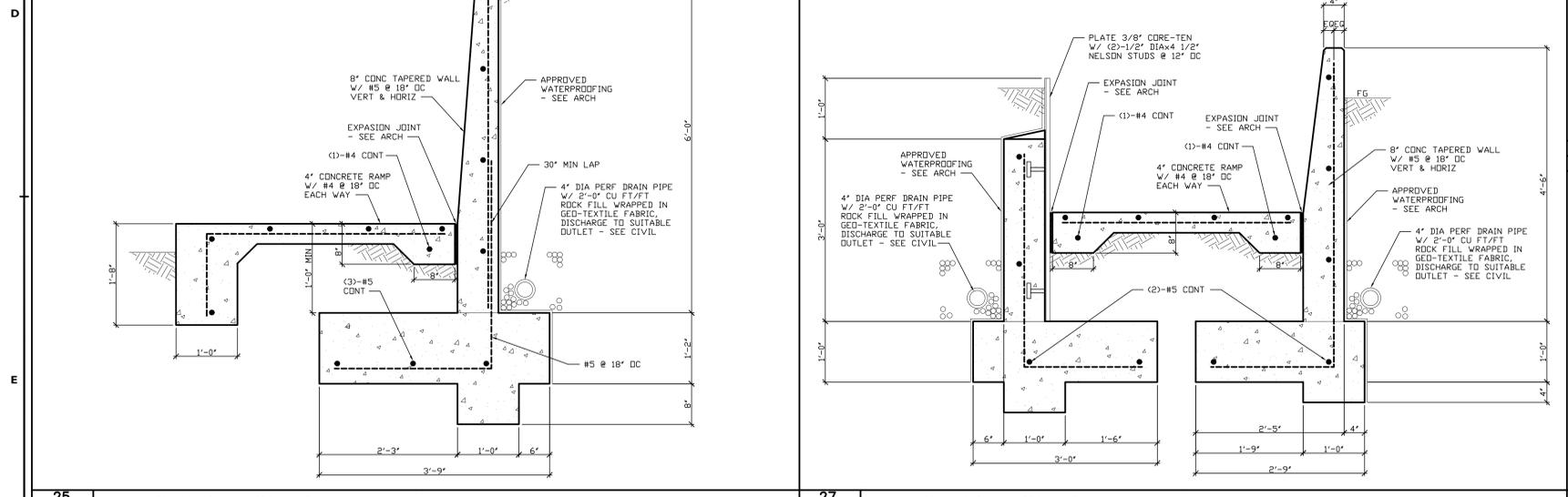
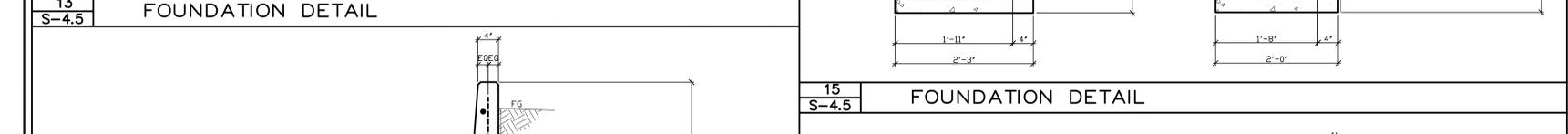
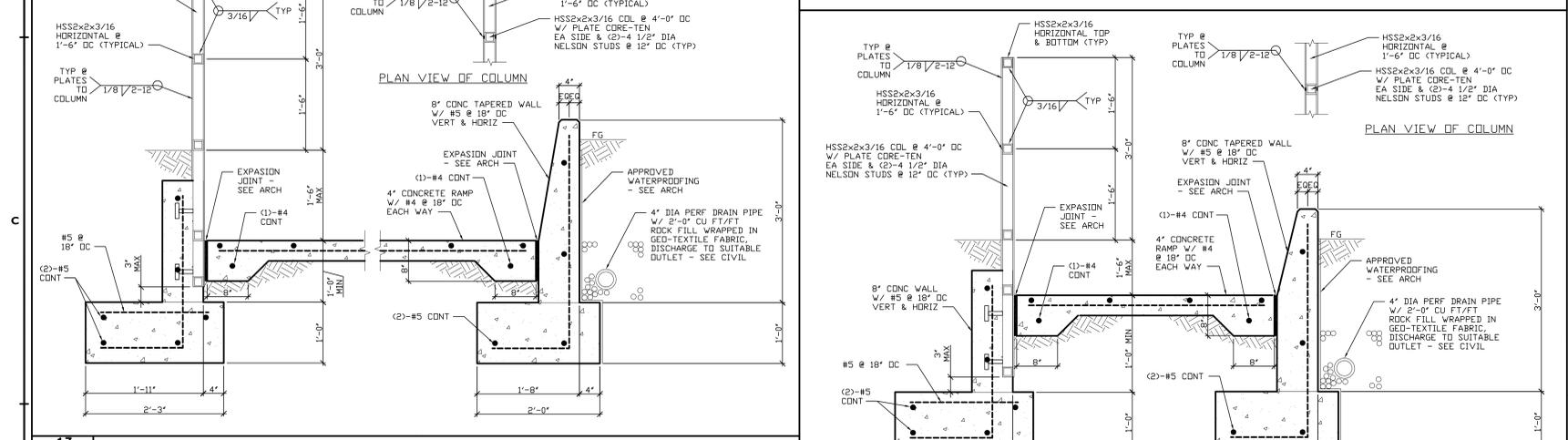
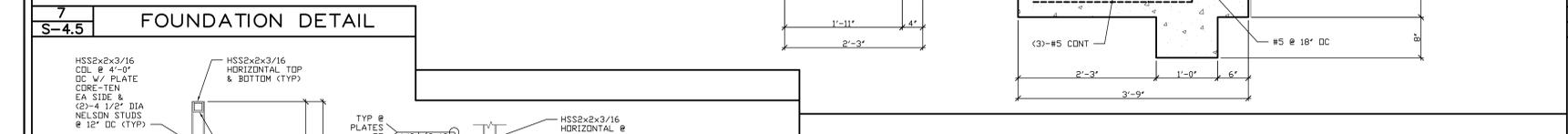
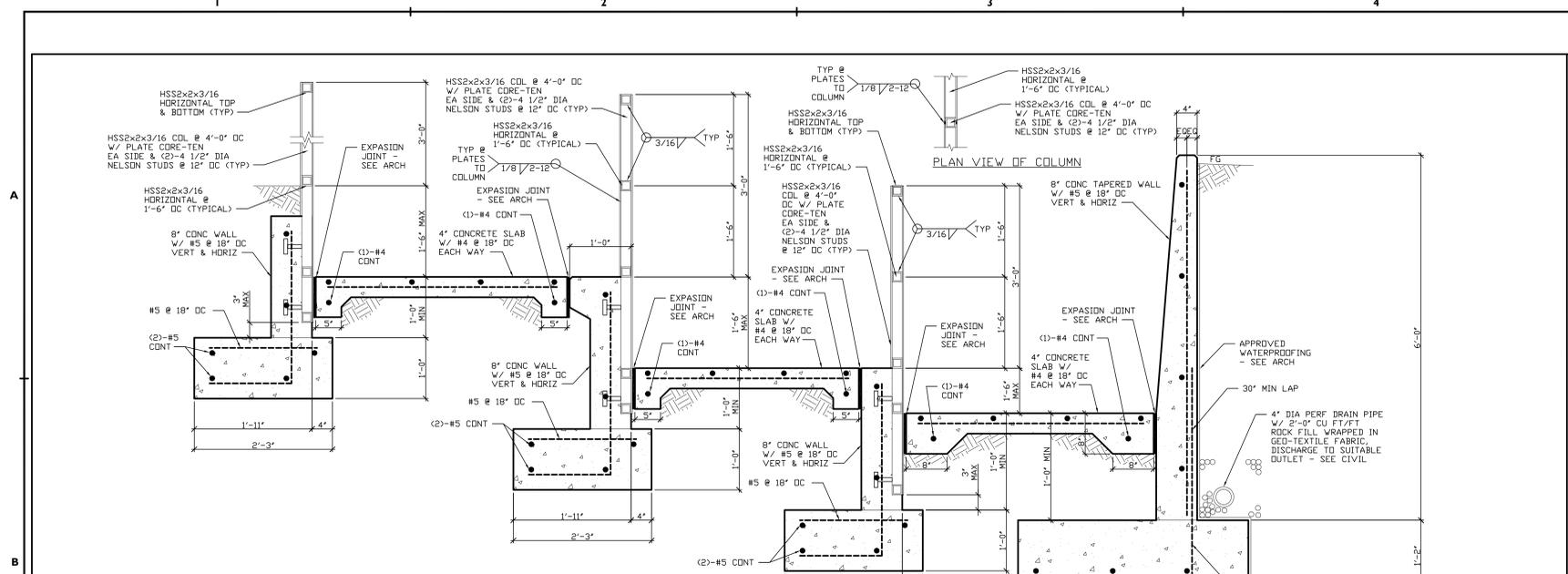
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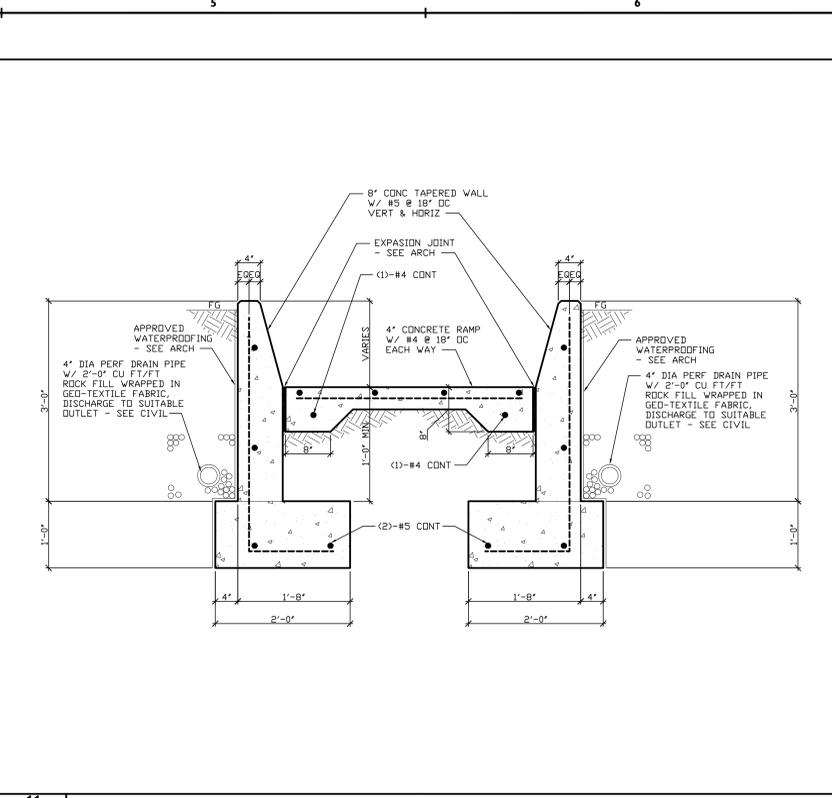
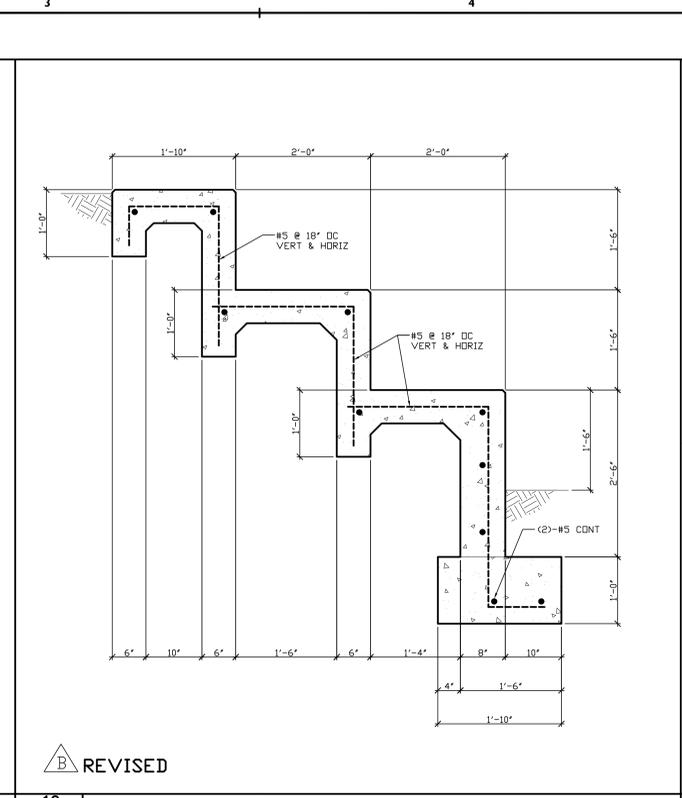
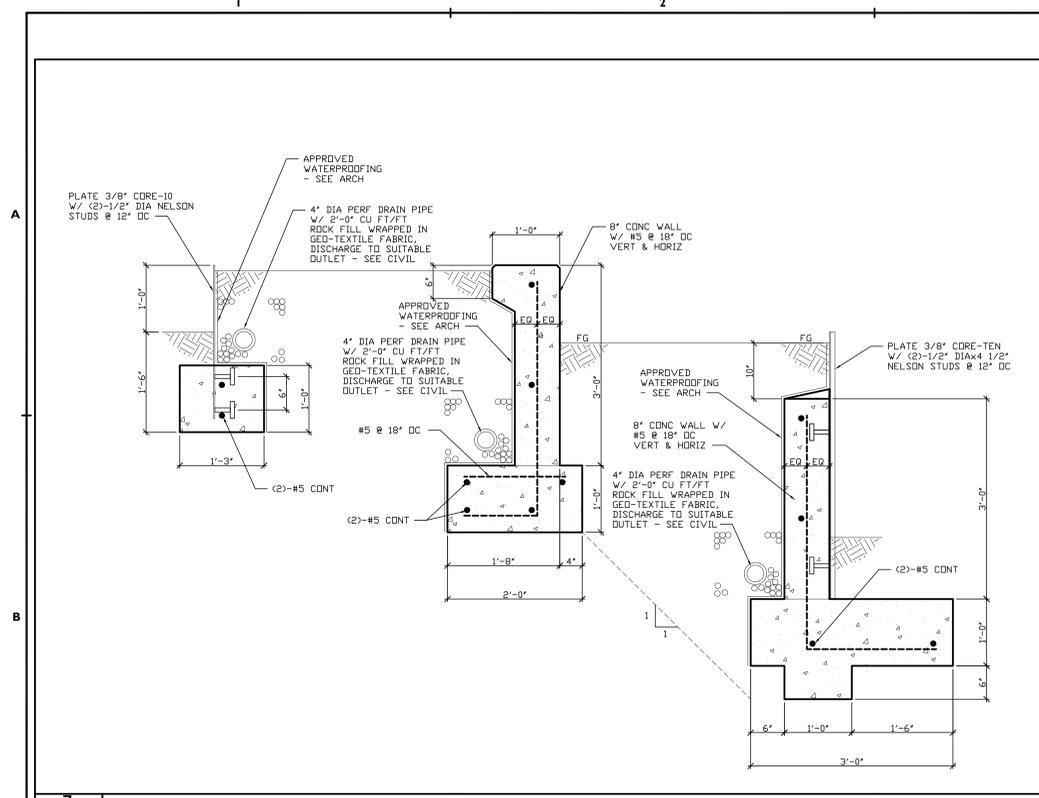
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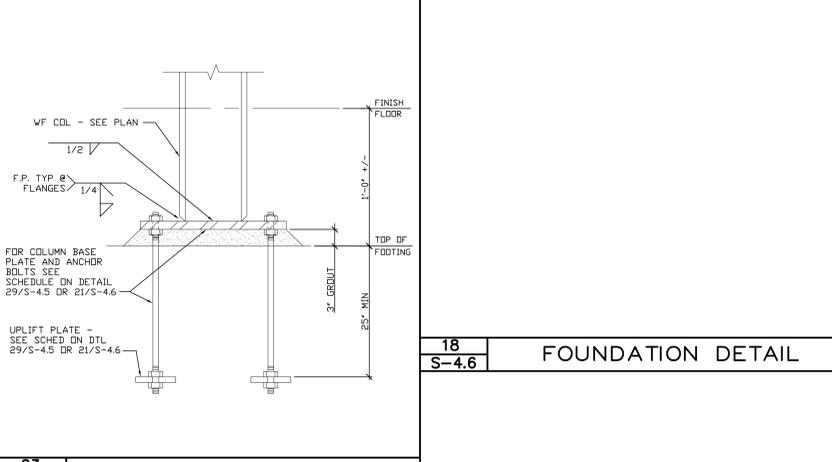
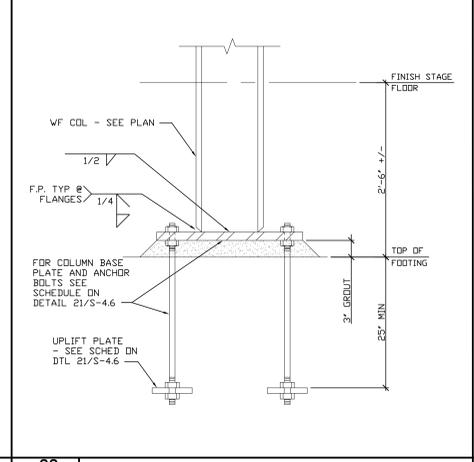
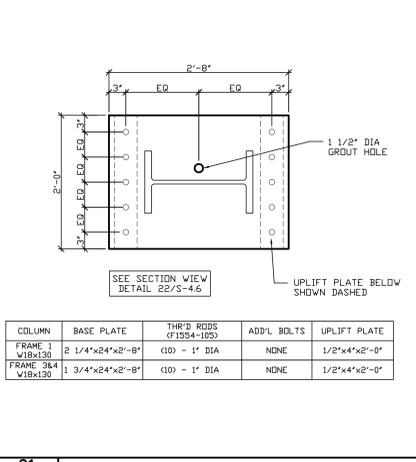
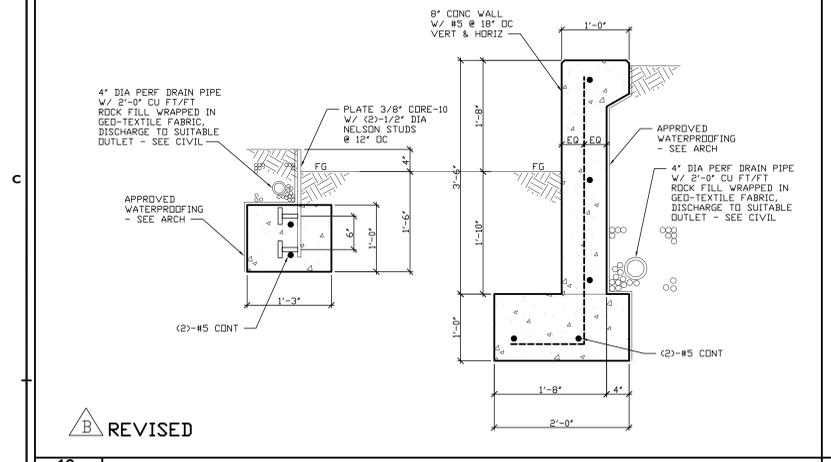
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**S-4.5**



7 FOUNDATION DETAIL S-4.6

10 FOUNDATION DETAIL S-4.6

11 FOUNDATION DETAIL S-4.6

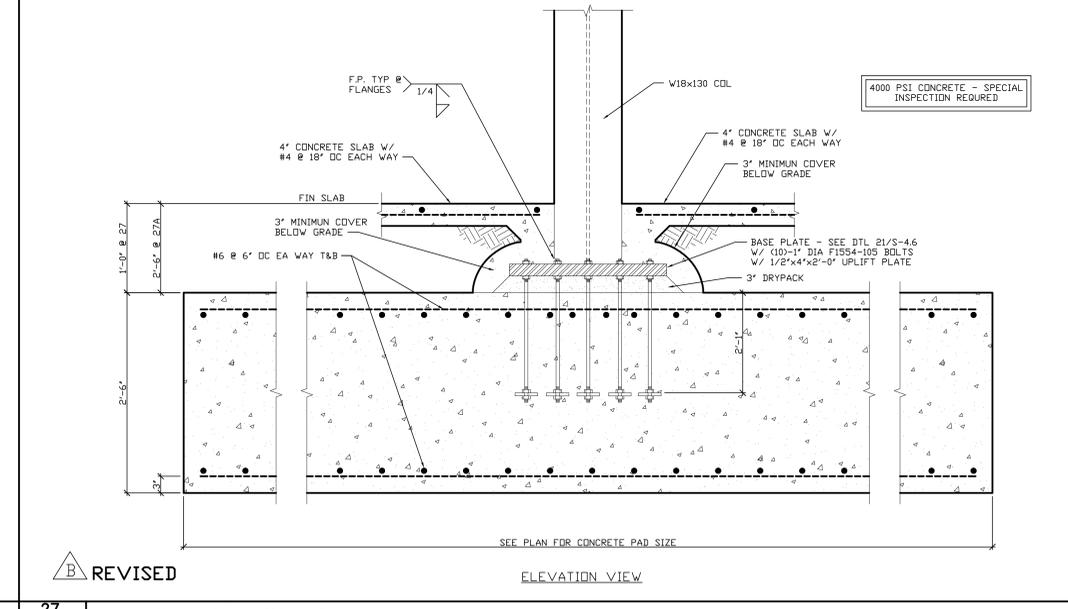
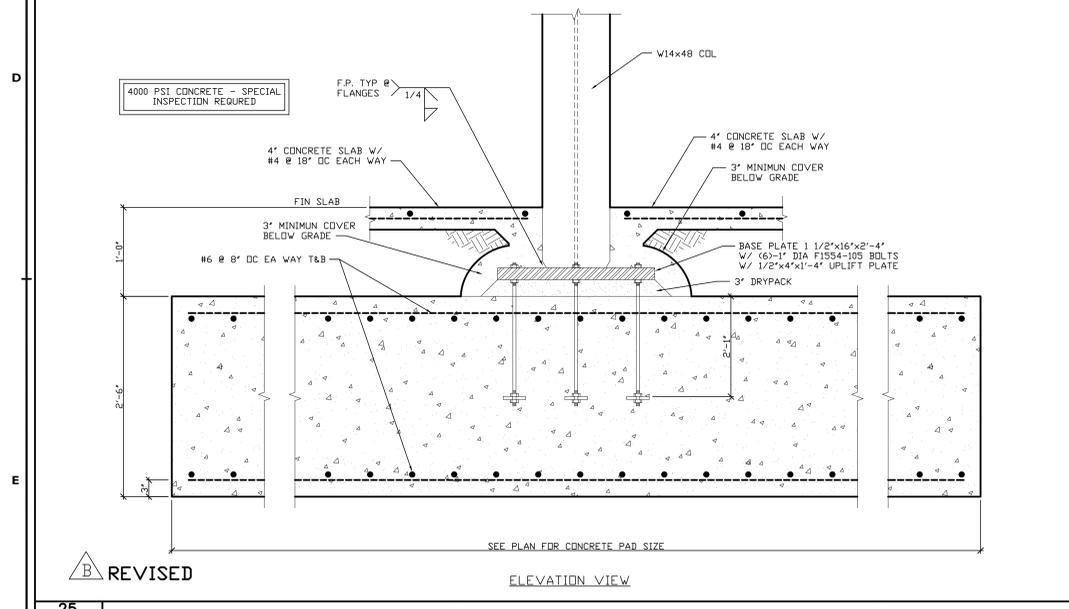


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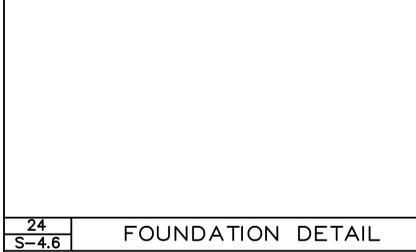


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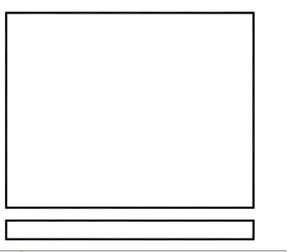
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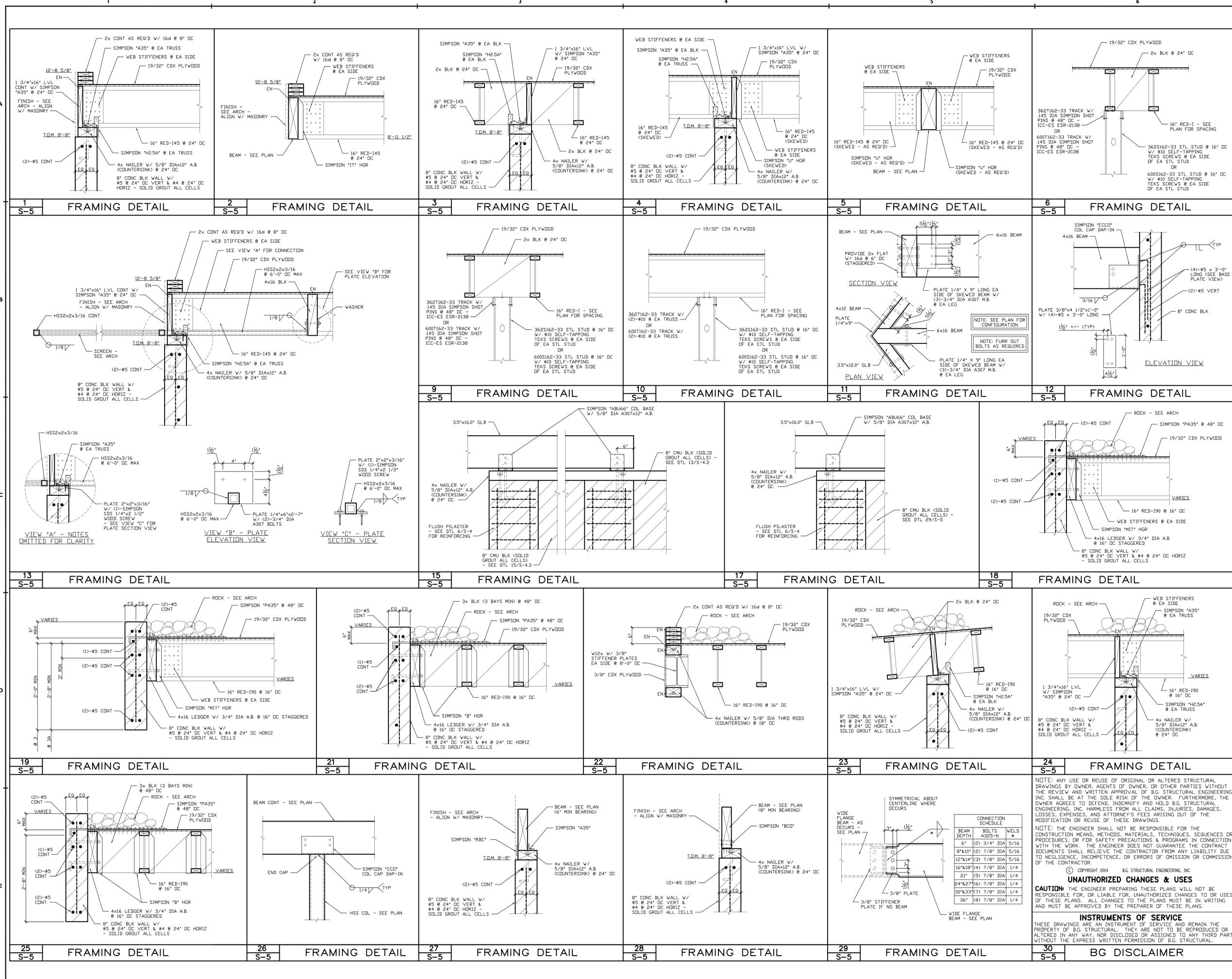


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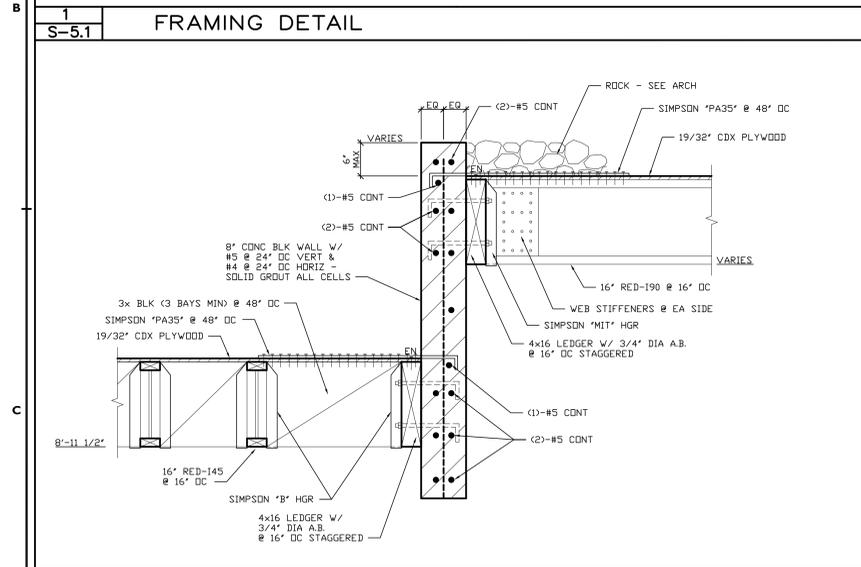
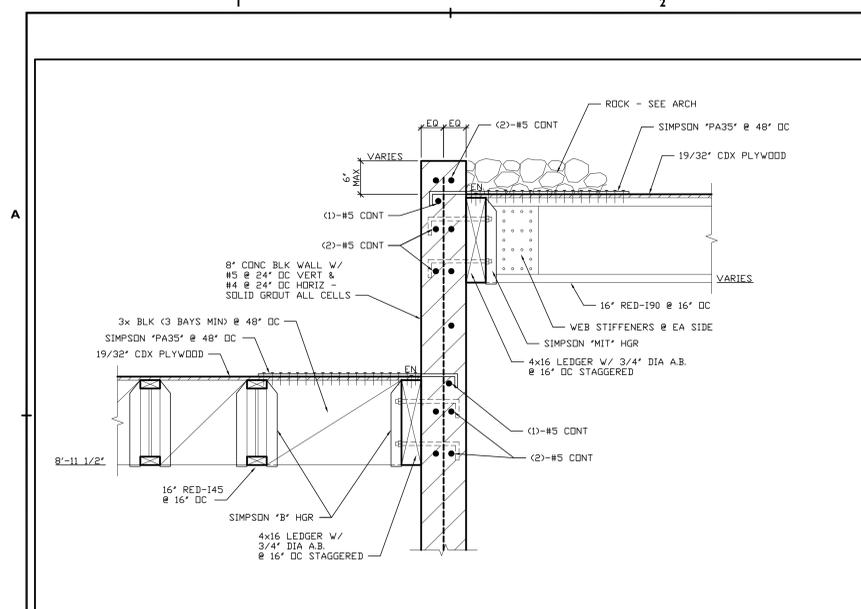
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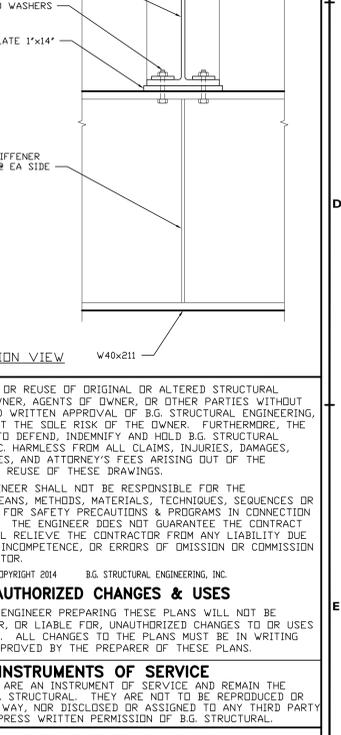
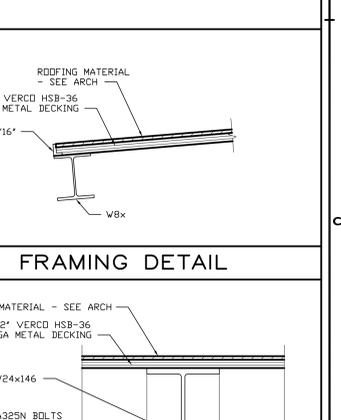
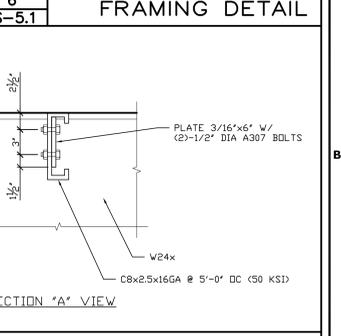
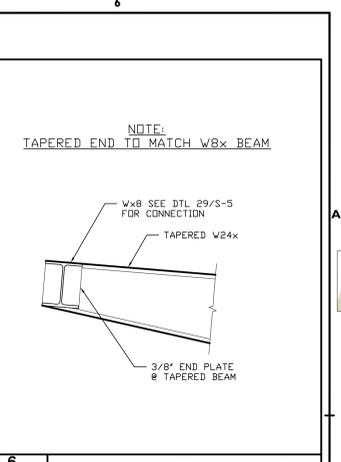
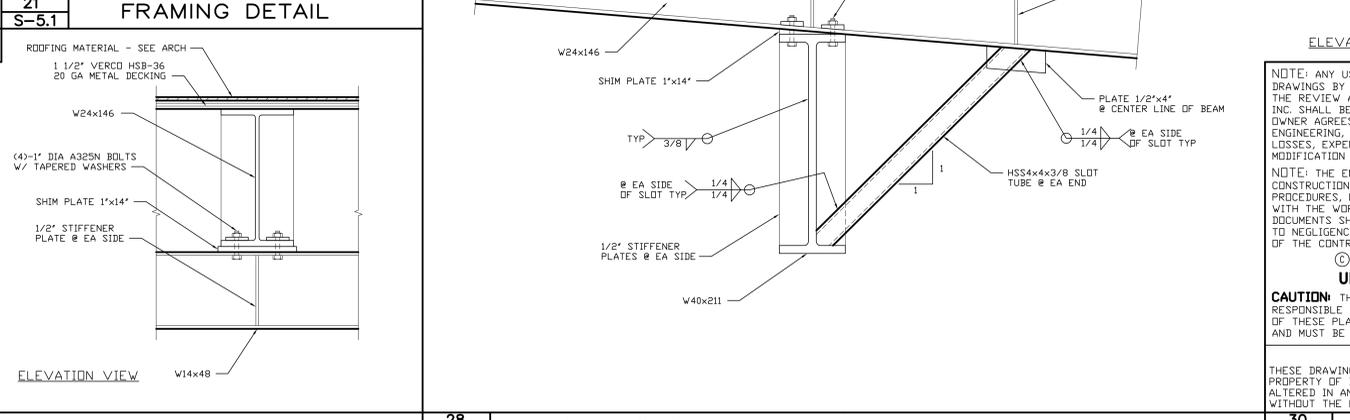
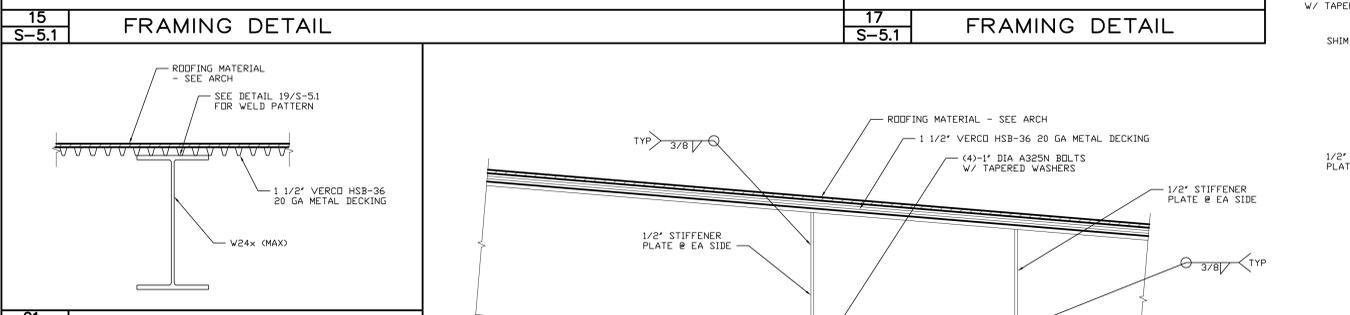
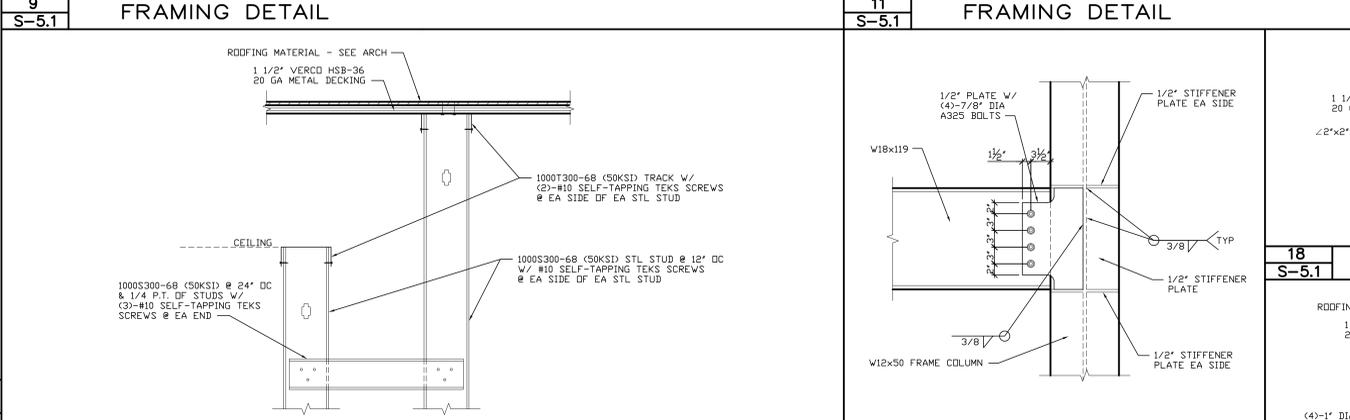
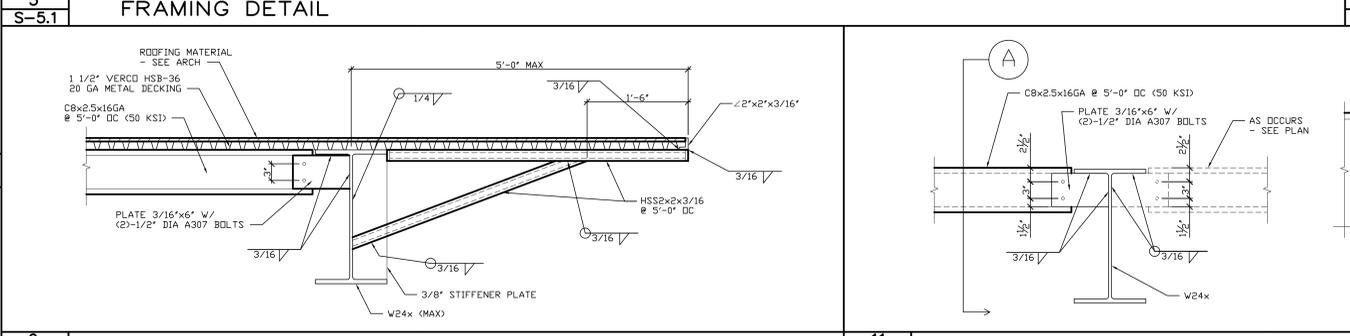
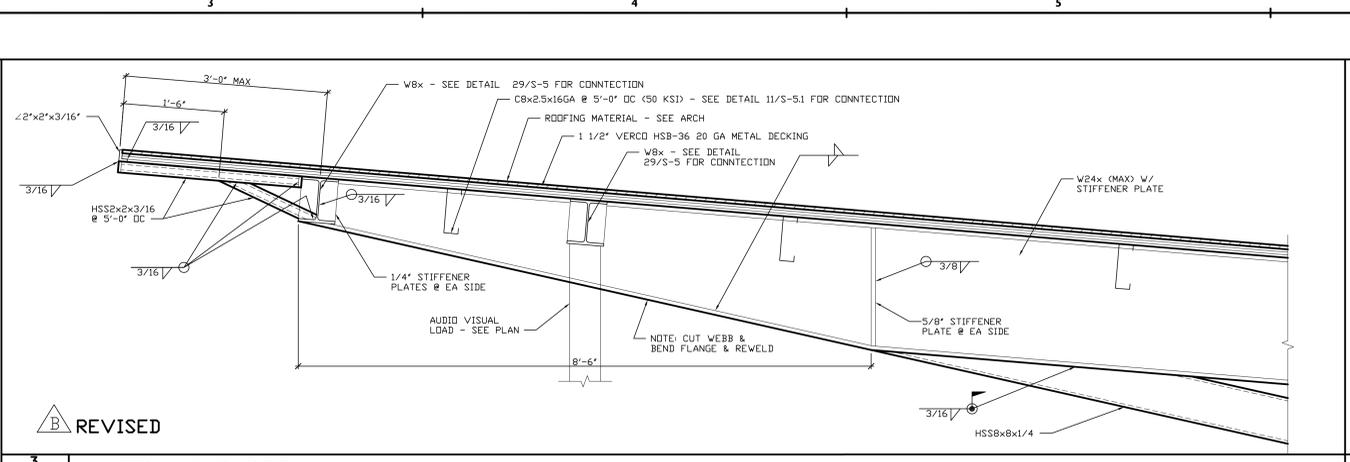
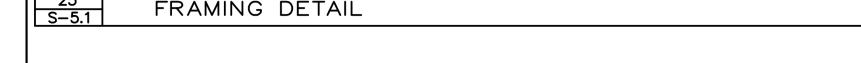
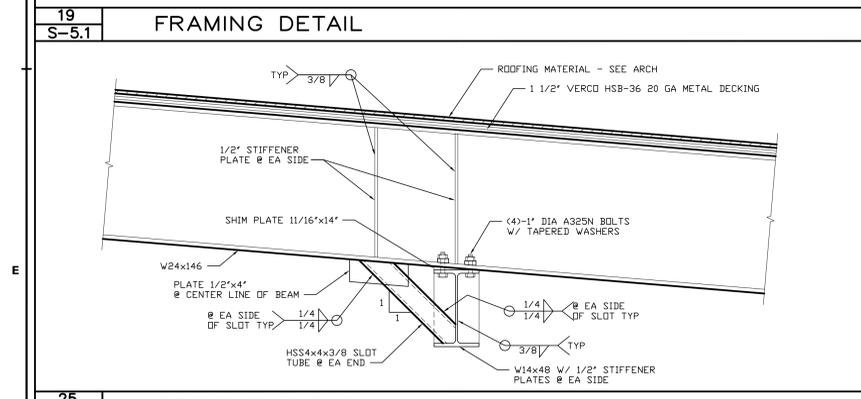
SHEET TITLE: **FRAMING DETAILS**  
 SCALE: N.T.S.  
 SHEET NUMBER: **S-5**



**Section Properties for PLB™-36 or HSB™-36 Roof Decks**

Deck Gage	Weight		Properties per ft of Width		Allowable Reactions per ft of Width (lb)				
	Galv psf	Painted psf	I in <sup>2</sup>	S in <sup>2</sup>	End Bearing	Interior Bearing	2"	4"	
22	1.9	1.8	0.175	0.187	0.198	710	818	884	1185
20	2.3	2.2	0.216	0.235	0.248	890	1135	1223	1655
18	2.9	2.8	0.302	0.322	0.335	1062	1335	1428	1929
16	3.5	3.4	0.377	0.411	0.417	1248	1555	1658	2229

F<sub>y</sub> = 22.8 ksi, F<sub>y</sub> = 38 ksi



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DRAWING DATE: **02-10-2014**

REVISIONS:

△	<b>03.07.14</b>	<b>S.H.</b>
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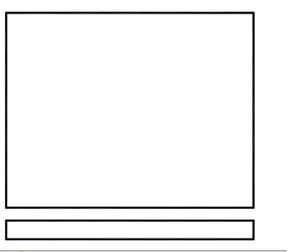
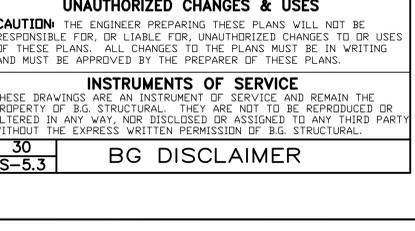
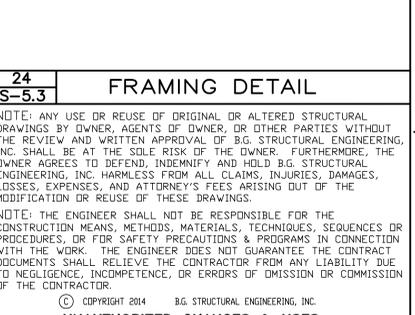
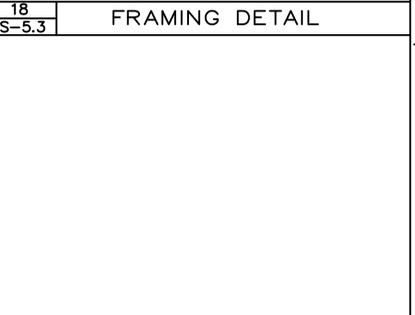
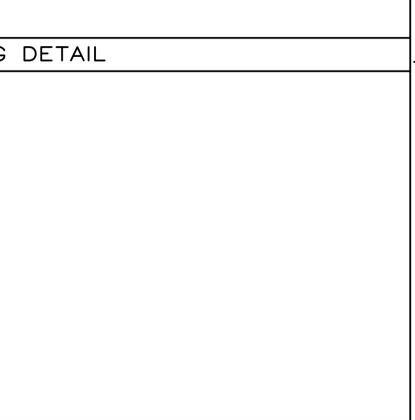
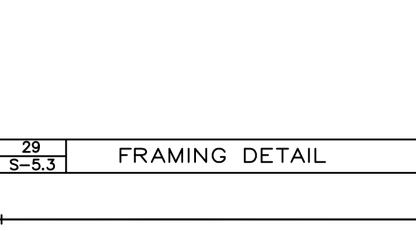
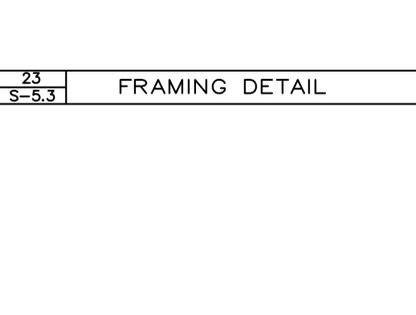
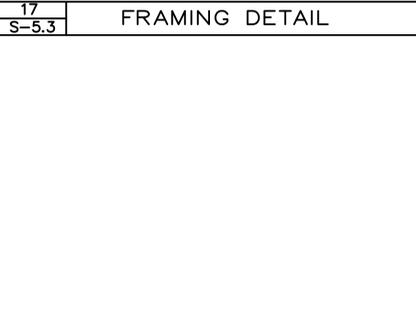
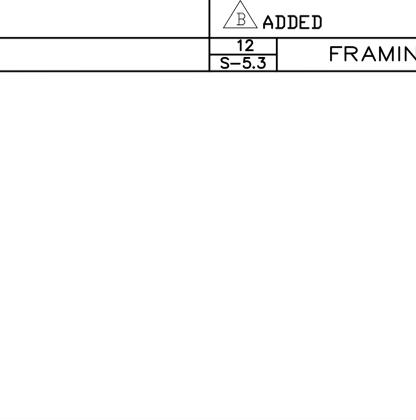
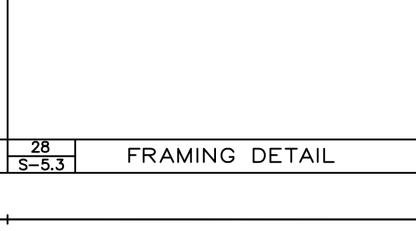
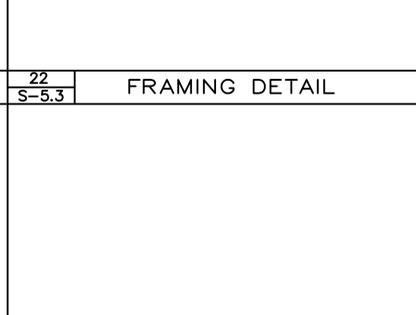
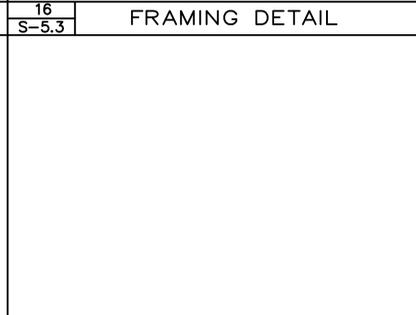
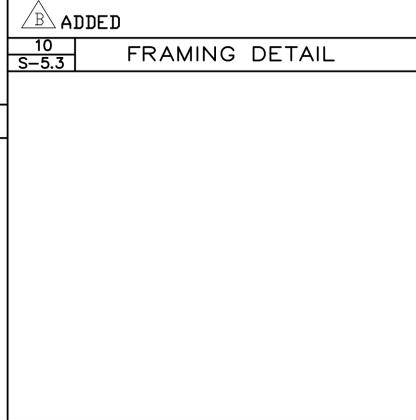
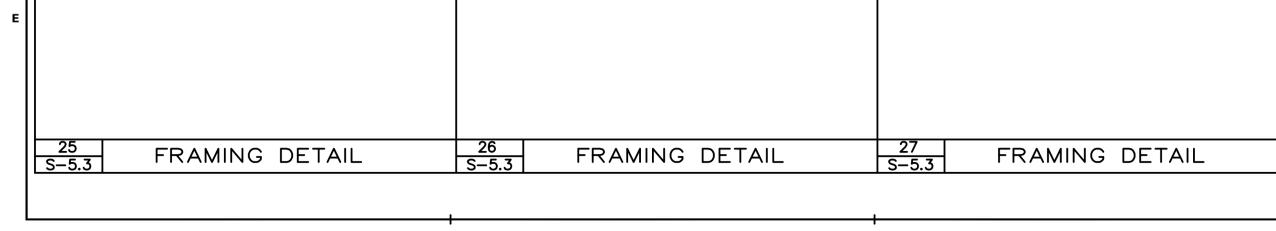
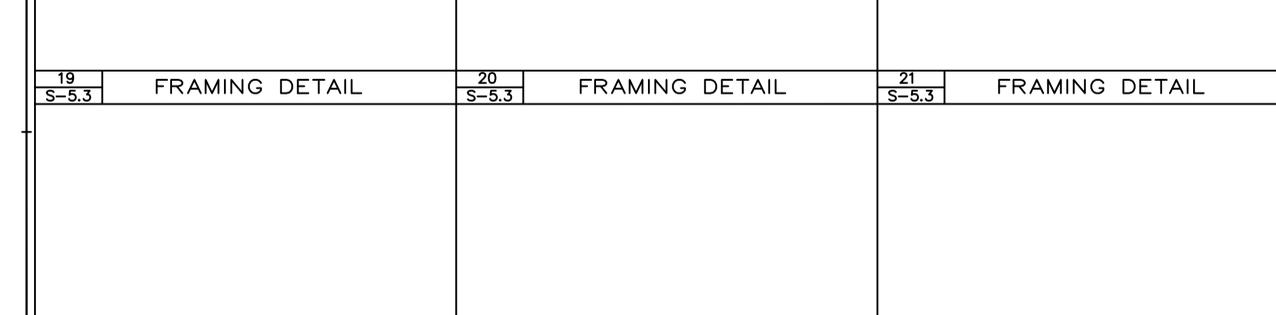
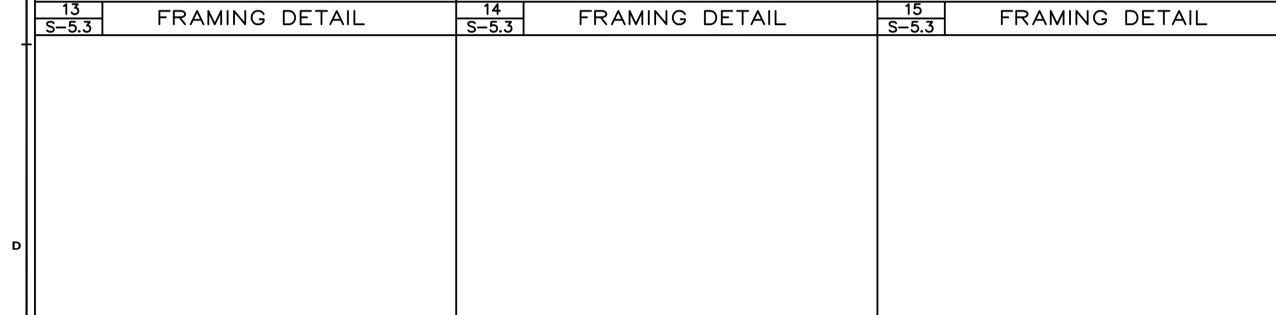
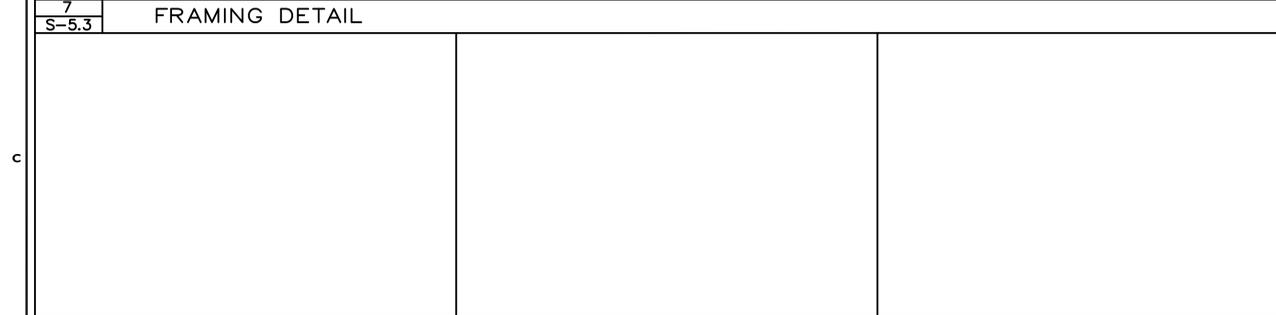
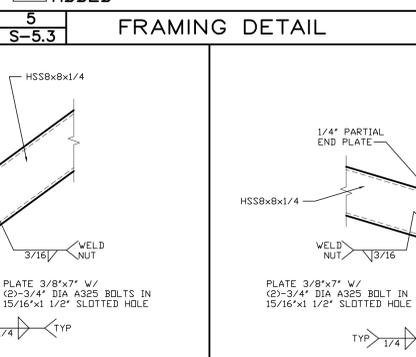
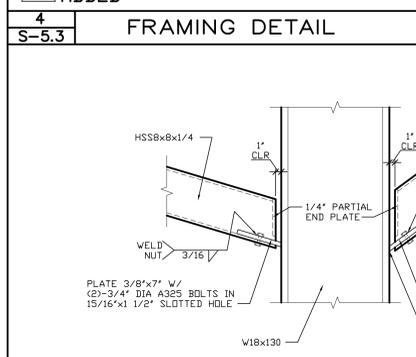
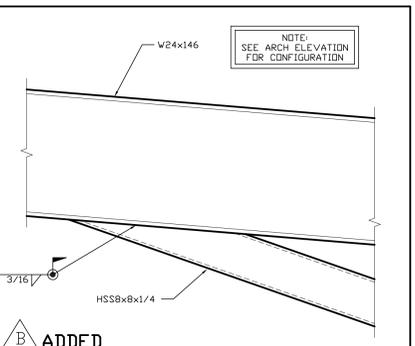
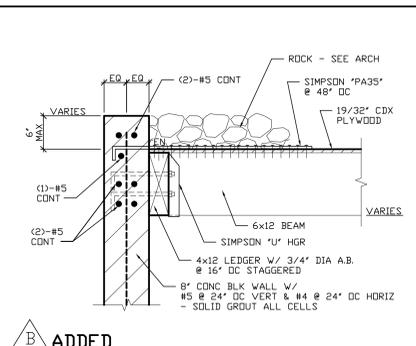
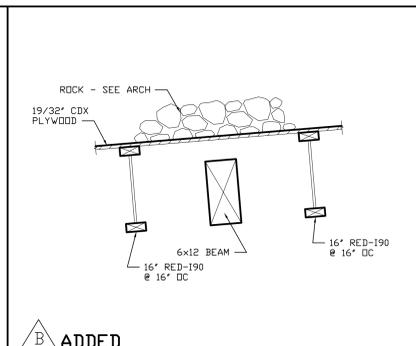
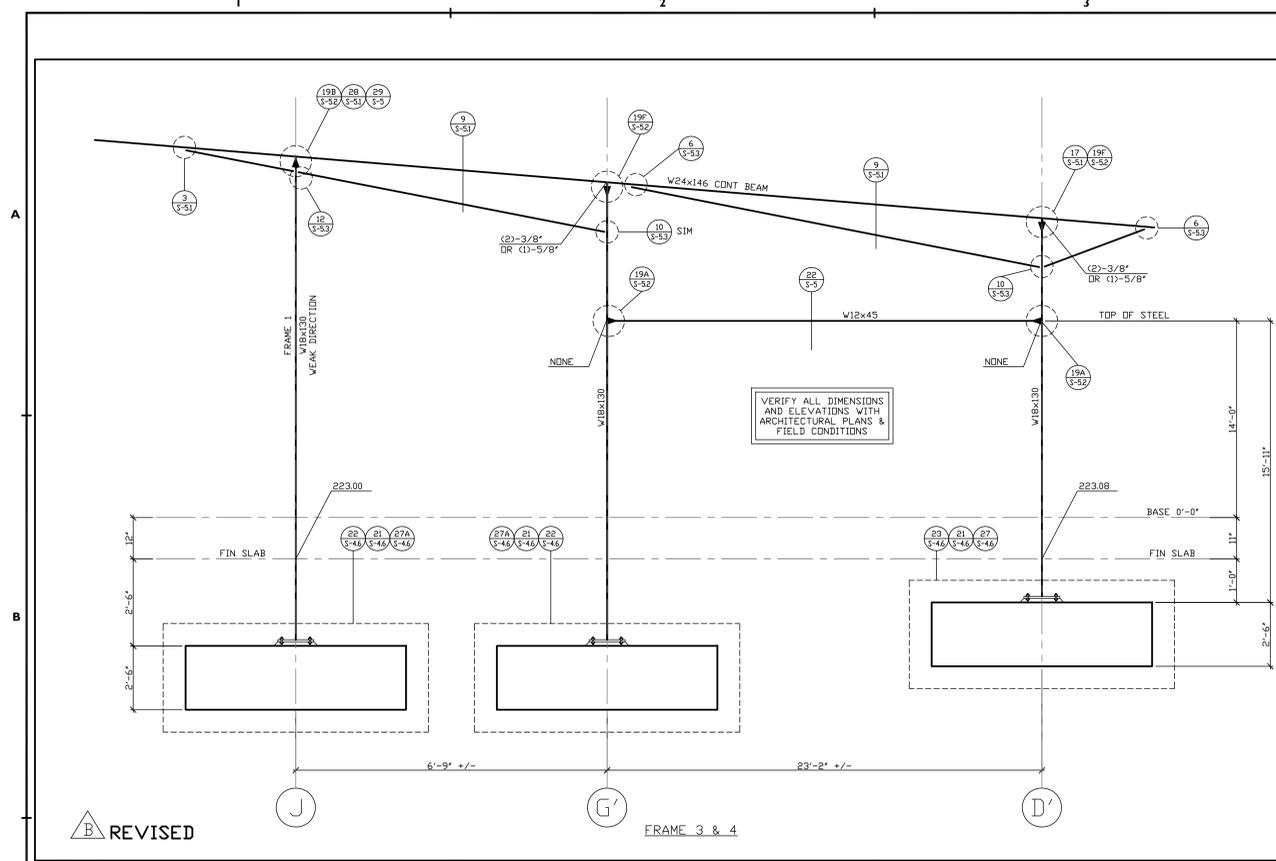
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PLANNING/SUBMITTAL SET	DRAWN BY:
DESIGN DEVELOPMENT SET	<b>S.H.</b>
PERMIT SET	CHECKED BY:
CONSTRUCTION SET	<b>B.G.</b>
	McA PROJECT NO:
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**Whitewater Park Expansion & Amphitheater**  
CP 12-284  
71-560 San Jacinto Dr  
Rancho Mirage, CA 92270  
for  
**The City of Rancho Mirage**  
69-825 Highway 111  
Rancho Mirage, CA 92270  
760.324.4511

SHEET TITLE: **FRAMING DETAILS**  
SCALE: N.T.S.  
SHEET NUMBER:  
**S-5.1**





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