

Proposed Building Plans for Animart Pet Store Waunakee, WI

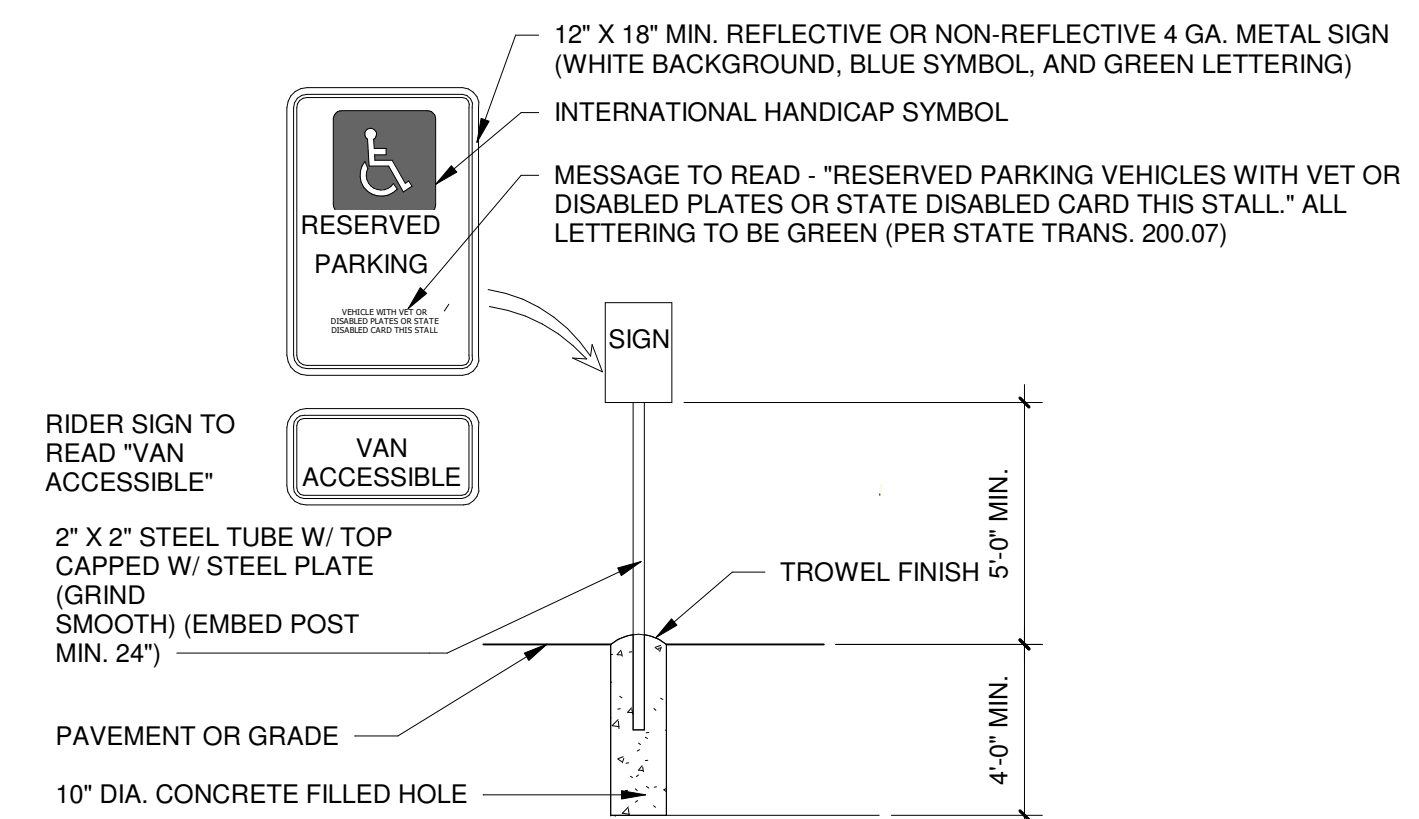
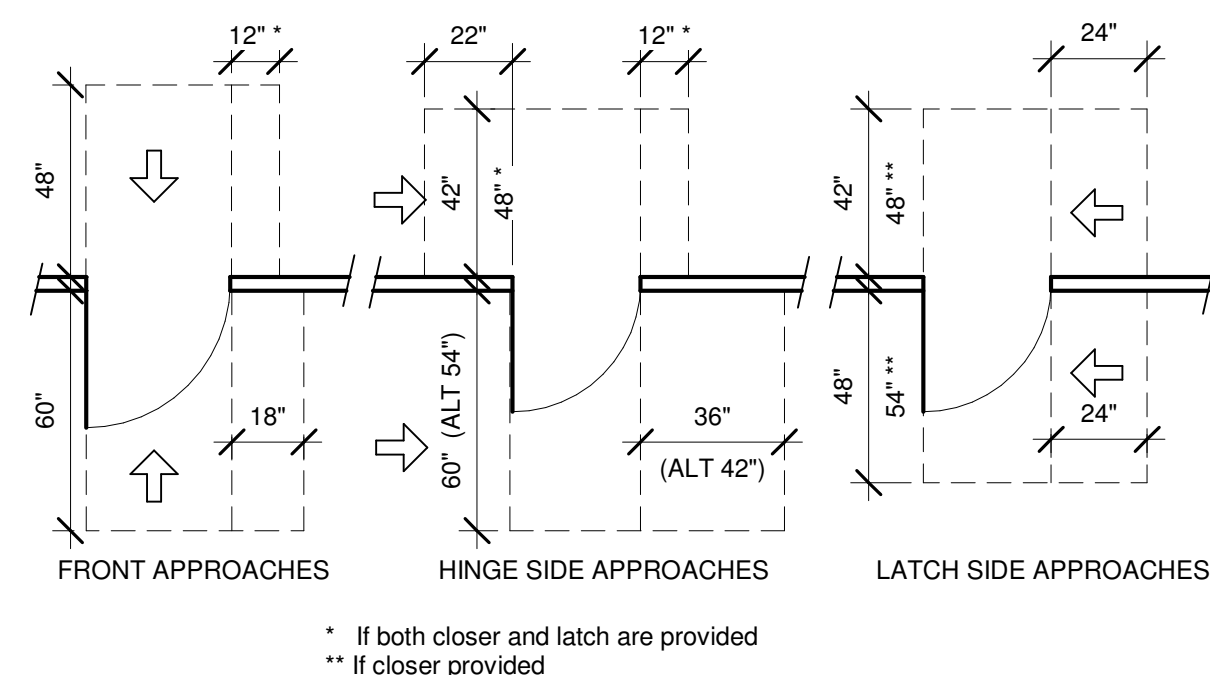
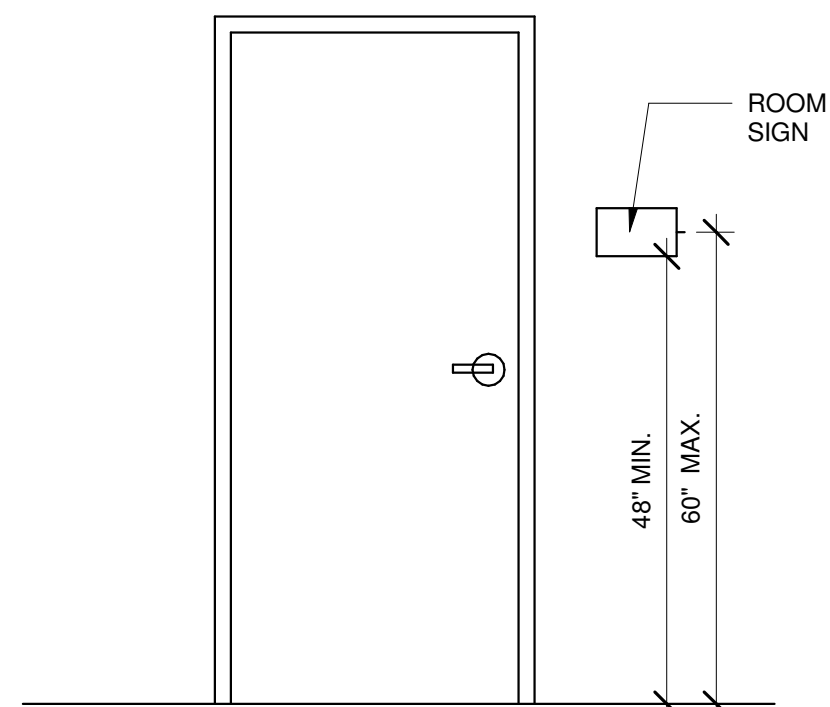
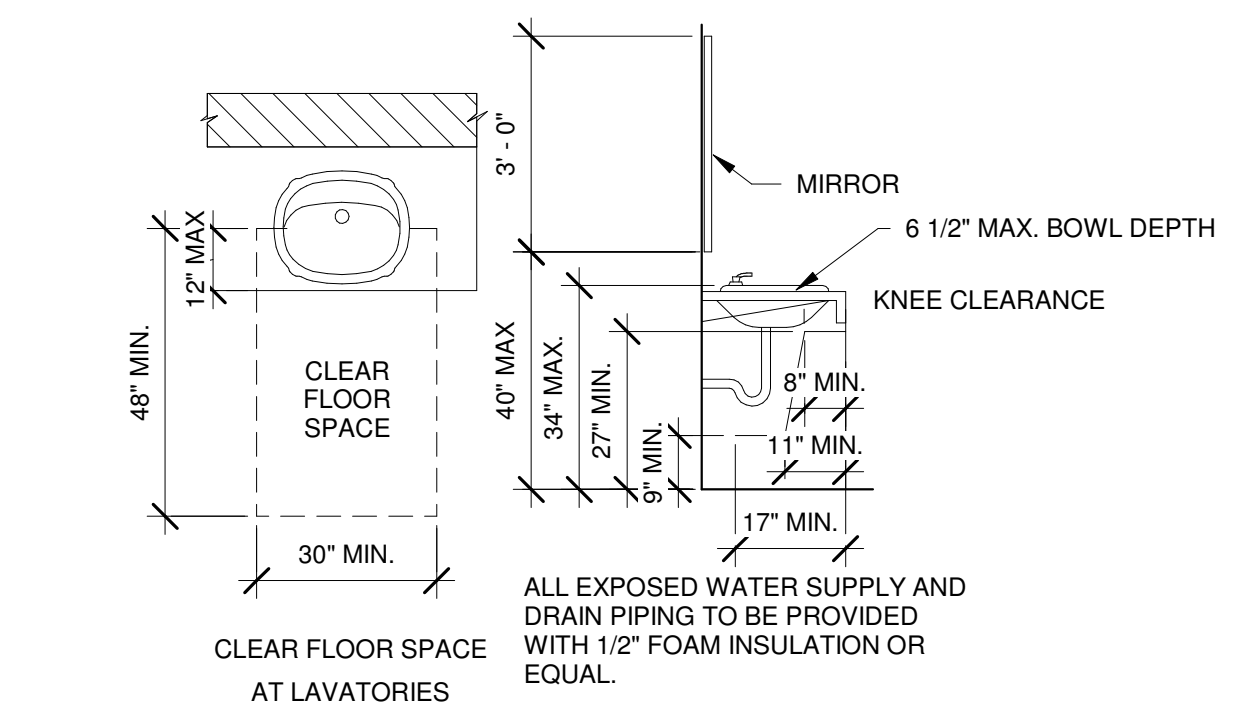
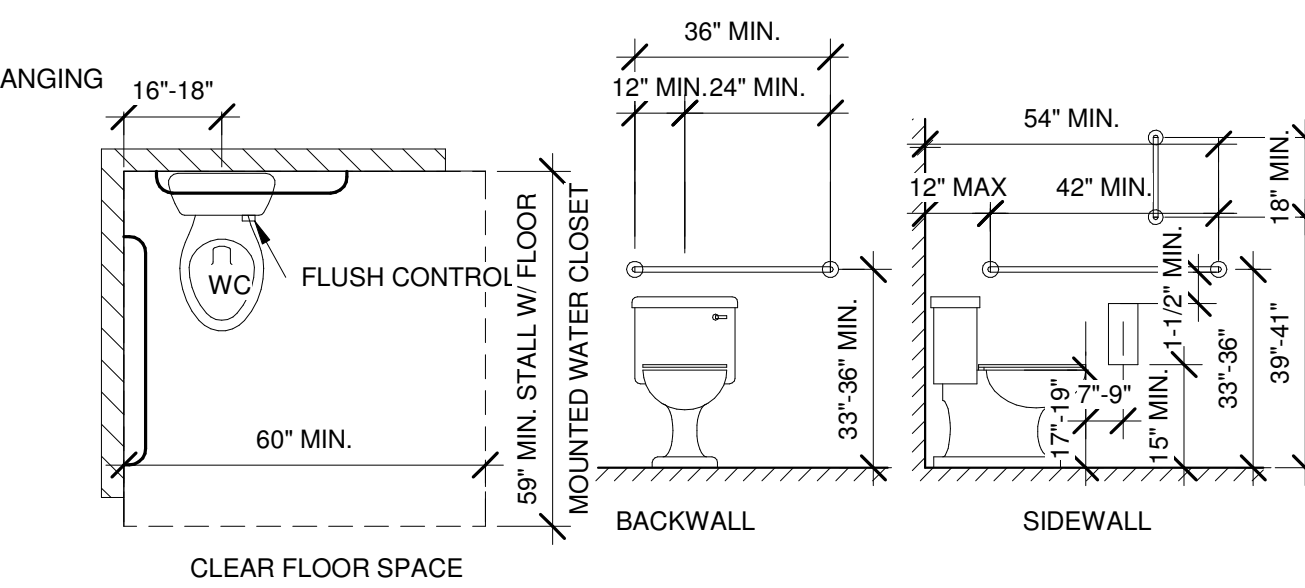
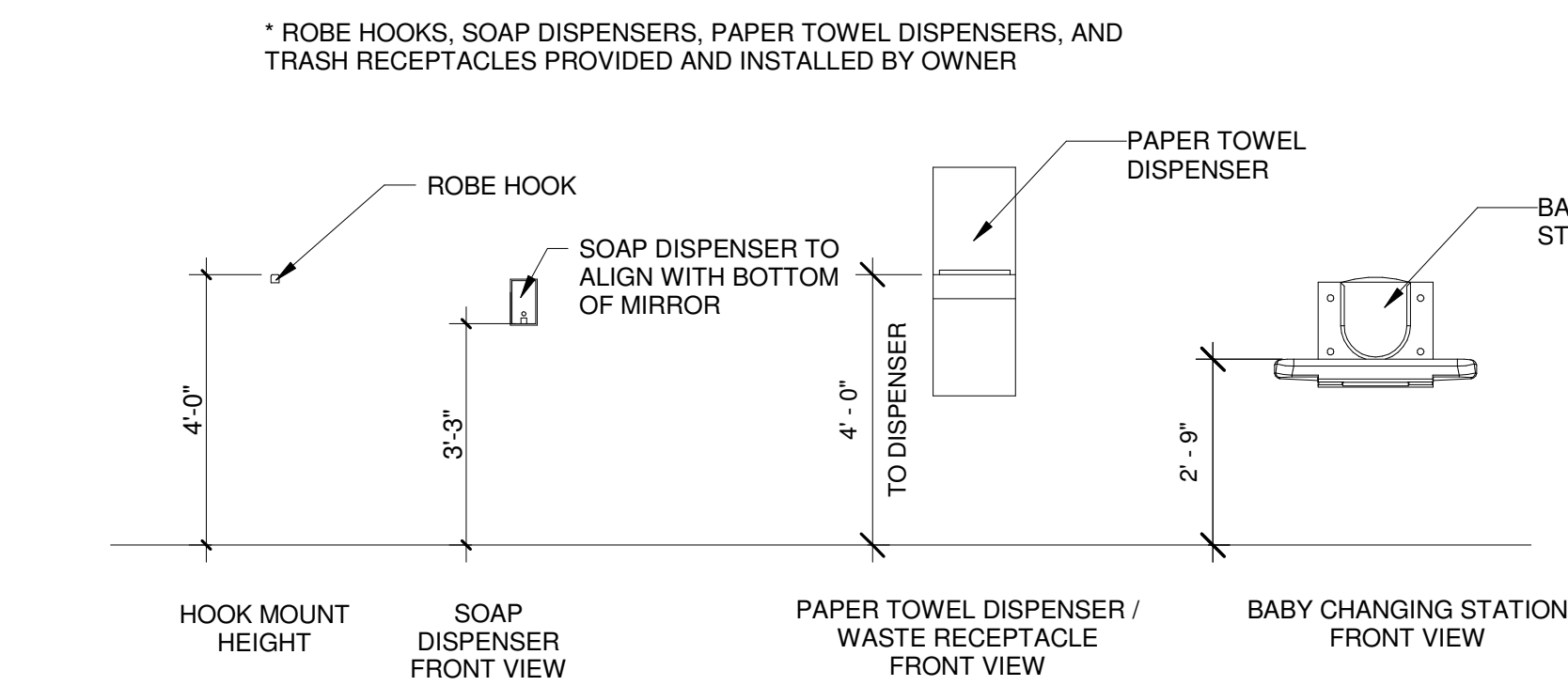
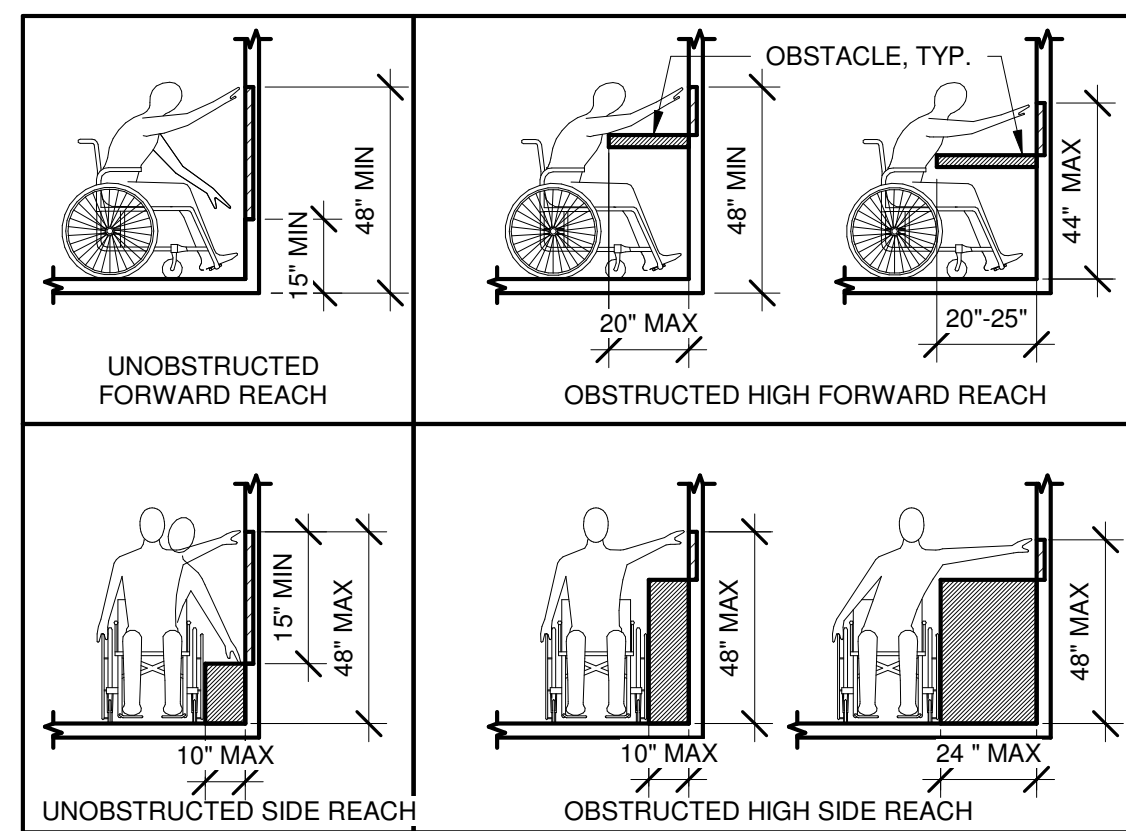
CONSTRUCTION SET

JEWELL
associates engineers, inc.
Engineers - Surveyors - Architects

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GENERAL NOTES	
1. All work to be constructed per governing codes/ordinances, as amended by local authorities. Said codes/ordinances are herein incorporated into these documents. All code required work to be included in contract sum. 2. Adherence to Code Requirements of the New and Remodeled construction shall be the strict responsibility of the Owner/ Builder. The Architect shall not be held liable for any such unauthorized deviations or violations of any applicable Building, Plumbing, HVAC, or Electrical codes or the ADA (Americans with Disabilities Act.) 3. General notes are intended to clarify or emphasize the requirements of the drawings and specifications. In the event of a conflict between the drawings or specifications and these notes, the contractor shall comply with the more stringent requirement. 4. All work to be performed in a manner so as to have a minimum of disruption and disturbance with existing operations and local environment. Noise and dust shall be kept to a minimum. 5. Do not scale drawings. 6. Permit and approvals are to be kept on-site at all times. 7. Details and notes of similar conditions are typical whether or not called out at all places. references to any detail is for convenience only and does not limit the application of such detail or drawing. 8. Systems shown on drawings are intended to be furnished, installed, and turned over to the owner in proper functioning condition. All work to be considered in contract sum. 9. Contractor shall check and verify all field conditions and dimensions with the construction drawings at the project site prior to construction, erection, and/or fabrication. Contractor shall inspect related work and adjacent surfaces. Contractor shall report any discrepancies between the contract documents and the existing conditions which shall prevent proper execution of this work to the architect before proceeding with the work. Contractor is responsible for dimensions, quantities, and coordination of other trades. 10. Special finish materials, carpet/ flooring, bases, doors, etc. are not shown on all details for clarity purposes. refer to plans, sections, other details, specifications, and schedules for additional information. 11. Installation of all materials and systems shall be in accordance with manufacturer's written instructions. 12. This project is being constructed using a design-bid-build construction methodology. All contractors are responsible for complying with all applicable codes and ordinances related to their design and construction and integration with other systems and components. All concerns or conflicts related to such shall be brought to the attention of the general contractor prior to the start of construction. 13. All products are to be selected for the intended use and installed per manufacturer's specifications.	
SUMMARY BUILDING CODE REQUIREMENTS	
Applicable code provisions include, but are not limited to the following: 362.0712 - Penetrations All through penetrations and membrane penetrations in fire resistance rated assemblies shall comply with IBC Section 712. 362.0715 - Opening Protective's All doors in fire resistance rated assemblies shall comply with IBC section 715. 362.0716 - Duct and Air Transfer Openings All ducts and air transfer openings in fire resistance rated assemblies shall comply with IBC section 716. 362.0719 - Thermal and Sound Insulating Materials All insulation materials shall comply with IBC section 719. 362.1011 - Exit Signs Internally lit exit signs with battery backup shall be provided to mark approved exits from any direction of egress travel. 362.1006 - Means of Egress Illumination The means of egress, including the exit discharge, shall be illuminated to a minimum of 1 foot-candle at the floor level at all times the building space is occupied. 362.1006 - Illumination Emergency Power In the event of power supply failure, an emergency system shall automatically illuminate to and average of 1 foot-candle and minimum of 0.1 foot-candle at the floor level at all corridors, stairways, and the portion of the exterior exit discharge immediately adjacent to exit discharge doorways, exterior walk or stoops adjacent to the exit doors to comply. 362.2304.9.5 - Fasteners in preservative treated wood Fasteners for preservative treated wood shall be hot-dipped, zinc coated, galvanized, or stainless steel. 362.2406 - Safety Glazing Provide Safety Glazing per IBC section 2406. The General Contractor and sub contractors are responsible for coordinating with product manufacturers, suppliers, and installers to ensure that all applicable code provisions are complied with. Review the full Wisconsin Building Code for complete requirements.	
ABBREVIATIONS	
ABANCHOR BOLT AFFABOVE FINISHED FLOOR CJCONTROL JOINT CLGCEILING CLCENTER LINE COLCOLUMN CONCCONCRETE CMUCONCRETE MASONRY UNIT CPTCARPET CTCERAMIC TILE DIMDIMENSION DSDOWNSPOUT EJEXPANSION JOINT EQEQUAL EXTEXTERIOR FDFLOOR DRAIN FRPFIBERGLASS REINFORCED PLASTIC FEFIRE EXTINGUISHER FFFINISHED FLOOR FLRFLOOR REINFREINFORC (ED) (ING) GWBGYPSUM WALLBOARD GCGENERAL CONTRACTOR INSULINSULATION INTINTERIOR JTJOINT METMETAL MRRMOISTURE RESISTANT NTSNOT TO SCALE ODOUTSIDE DIMENSION PLPLATE QTYQUANTITY RADIUS RMROOM ROROUGH OPENING SABSOUND ATTENUATION BATT SCSUSPENDED CEILING SIMSIMILAR SSSTAINLESS STEEL STLSTEEL TEMPTEMPERED T&BTOP AND BOTTOM TOCTOP OF CONCRETE TOFTOP OF FOOTING TOSTOP OF SLAB TOWTOP OF WALL TYP TYPICAL UNLESS OTHERWISE NOTED VBVAPOR BARRIER VCTVINYL COMPOSITE TILE W/WITH WCVINYL FACED WALL COVERING WDWOOD	
ARCHITECTURAL SYMBOLS	
? ? ? ? ELEVATION ? ? ? ? BUILDING SECTION ? ? ? ? DETAIL ? ? ? ? WALL TYPE ? ? ? ? DOOR ? ? ? ? WINDOW	
CODE SUMMARY	
PROJECT DESCRIPTION: New construction of a pet store and retail space. OCCUPANCY: M - Mercantile CONSTRUCTION: VB - Wood Frame Unprotected FIRE PROTECTION: Fire Extinguishers AREA: 8,356 S.F.	
PROJECT DIRECTORY	
OWNER Don Tierney 3564 Egre Road DeForest, WI 53532 ARCHITECT CIVIL ENGINEERING STRUCTURAL ENGINEERING Jewell Associates, Inc. Paul Kardatzke, Architect 560 Sunrise Drive Spring Green, WI 53588 608-588-7484 paul.kardatzke@jewellassoc.com CIVIL ENGINEERING Jewell Associates, Inc. Mike Bisbach 560 Sunrise Drive Spring Green, WI 53588 608-588-7484 mike.bisbach@jewellassoc.com STRUCTURAL ENGINEERING Jewell Associates, Inc. Michael Mertens 560 Sunrise Drive Spring Green, WI 53588 608-588-7484 michael.mertens@jewellassoc.com	
DRAWING INDEX	
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Project number B15010	Sheet number T1.2
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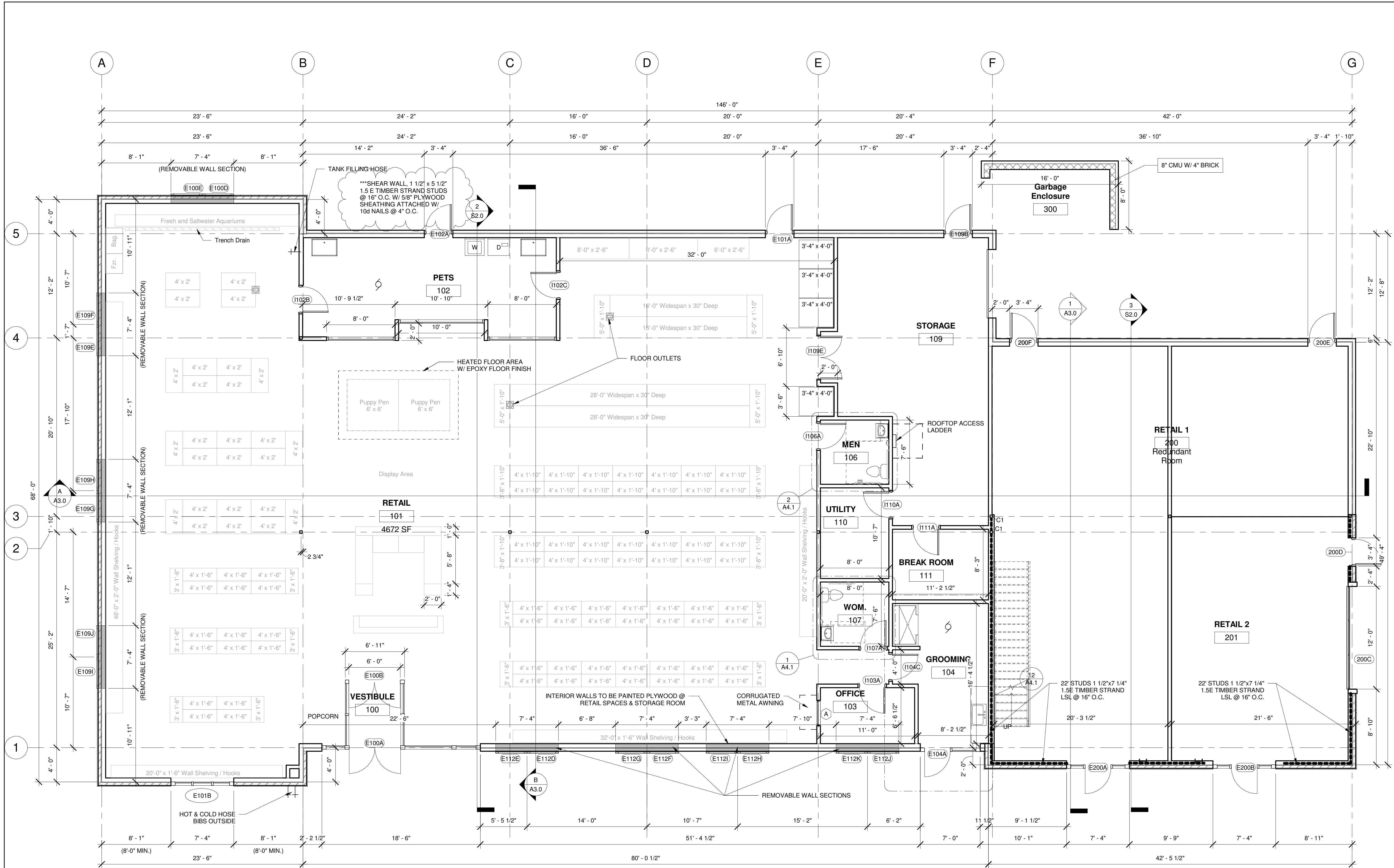
**Animart
Pet Store
Waunakee, Wisconsin**

Date
1-12-2018

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Drawing Name	
Renderings	

Project number B15010	Sheet number A0.1
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1 Main Level
A1.0 3/16" = 1'-0"

Animart
Pet Store
Wauwaukee, Wisconsin

Date
1-12-2018

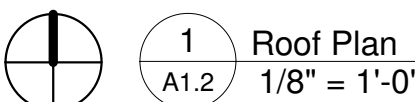
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4	Revision 4	10-19-17

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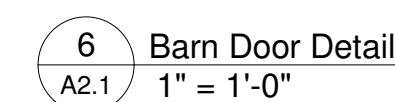
**Main Level
Floor Plan**

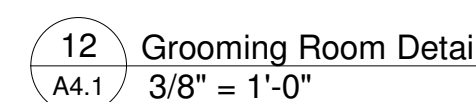
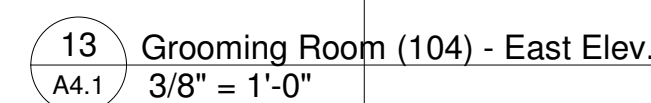
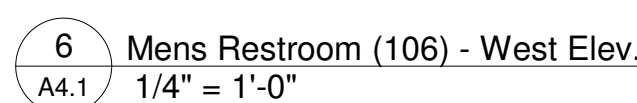
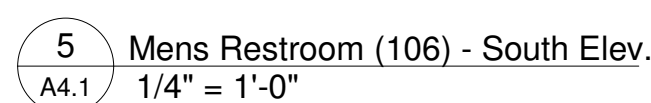
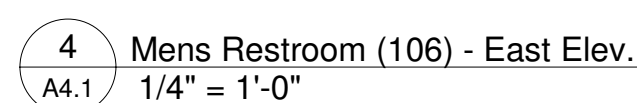
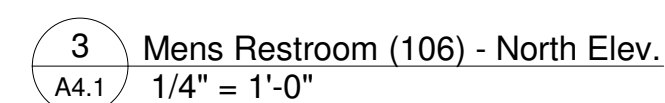
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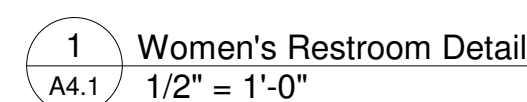


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Floor plan of the men's restroom. The layout includes a central area labeled "MEN 106" with a diamond-shaped mirror labeled "A4.1" and dimensions "3", "4", "5", and "6". To the right of the mirror is a sink labeled "TA-5". Below the mirror is a sink labeled "TA-6" and a mirror labeled "TA-4". To the left of the mirror is a sink labeled "TA-3". The overall dimensions of the room are "7' - 6\"

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	Drawing Name
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Restroom Details & Elevations

Project number B15010	Sheet number A4.1
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Animart

Pet Store

Waunakee, Wisconsin

1. DESIGNED IN CONFORMANCE WITH THE 2009 INTERNATIONAL BUILDING CODE, INCLUDING THE WISCONSIN AMENDMENTS, 2011.

- ### CAST IN PLACE CONCRETE

- AREAS MINIMUM 6 INCHES AND SEAL WATERIGHT.

9. FORM RELEASE AGENT: COLORLESS MINERAL OIL NOT CAPABLE OF STAINING CONCRETE OR IMPAIRING NATURAL BONDING CHARACTERISTICS OF COATING INTENDED FOR USE ON CONCRETE.

10. FORMED CONSTRUCTION JOINTS FOR SLAB-ON-GRADE: GALVANIZED STEEL, TONGUE AND GROOVE TYPE PROFILE, KNOCKOUT HOLES TO RECEIVE DOWELING.

11. SLAB EDGE JOINT FILLER: ASTM D1751, PREMOLED ASPHALTIC BOARD, 1/2 INCH THICK.

12. ALL CONCRETE REINFORCING STEEL IS TO BE ASTM A-615, GRADE 60, LAPS SHALL BE AS FOLLOWS:

BAR SIZE:	#3	#4	#5	#6	#7	#8	#10
BAR LENGTH:	19"	25"	32"	38"	44"	54"	77"

13. WELDED DEFORMED WIRE FABRIC: ASTM A497; IN FLAT SHEETS AND UNFINISHED.

14. WELDED PLAIN WIRE FABRIC: ASTM A185; IN FLAT SHEETS AND UNFINISHED.

15. CHAIRS, BOLSTERS, BAR SUPPORTS, SPACERS: SIZE AND SHAPED FOR SUPPORT OF REINFORCING; PLASTIC TIPPED OR NON-CORRODING FOR SUPPORTS ON SLABS FORMING FINISHED CEILINGS OR WHERE SUPPORTS ARE EXPOSED TO WEATHER.

16. FABRICATE CONCRETE REINFORCEMENT IN ACCORDANCE WITH ACI 301 AND ACI 318.

17. WELD REINFORCEMENT IN ACCORDANCE WITH AWS D1.4

18. EPOXY COATED FINISH FOR STEEL BARS: ASTM A775/A775M.

19. EPOXY COATING PATCHING MATERIAL: TYPE AS RECOMMENDED BY COATING MANUFACTURER.

20. CEMENT: ASTM C150, NORMAL-TYPE I, PORTLAND TYPE.

21. FINE AND COARSE AGGREGATES: ASTM C33.

22. WATER: CLEAN AND NOT DETRIMENTAL TO CONCRETE.

23. AIR ENTRAINMENT ADMIXTURE: ASTM C260.

24. BONDING AGENT: POLYMER RESIN EMULSION.

25. NON-SHRINK GROUT: PREMIXED COMPOUND CONSISTING OF NON-METALLIC AGGREGATE, CEMENT, WATER REDUCING AND PLASTICIZING AGENTS.

26. CURING COMPOUND: ASTM C1315, TYPE 1, CLASS A.

27. ABSORPTIVE MATS: ASTM C171, BURLAP-POLYETHYLENE.

28. METALLIC HARDENER: PREMIXED CLEAR, OXIDABLE TYPE.

29. MIX AND DELIVER CONCRETE IN ACCORDANCE WITH ASTM C94/C94M, OPTION A.

30. FURNISH CONCRETE OF THE FOLLOWING STRENGTH:

 - COMPRESSIVE STRENGTH 3,000 PSI: FOOTINGS, FOUNDATION WALLS, AND ALL OTHER CONCRETE NOT NOTED.
 - 3,500 PSI: INTERIOR AND EXTERIOR SLAB ON GRADE.
 - 4,000 PSI: SUSPENDED FLOOR SLABS, STRUCTURAL TOPPING, BEAMS AND COLUMNS (28 DAY). SLUMP 3 TO 5 INCHES.
 - MAXIMUM WATER-CEMENT RATIO: 0.50.

31. SELECT ADMIXTURE PROPORTIONS FOR NORMAL WEIGHT CONCRETE IN ACCORDANCE WITH ACI 318.

32. ADD AIR ENTRAINING AGENT TO CONCRETE MIX FOR CONCRETE WORK EXPOSED TO EXTERIOR.

33. ERECT FORMWORK, SHORING AND BRACING TO ACHIEVE DESIGN REQUIREMENTS. PROVIDE BRACING TO ENSURE STABILITY OF FORMWORK.

34. CAMBER SLABS AND FRAMING TO ACHIEVE ACI 301 TOLERANCES.

35. PROVIDE BRACING TO ENSURE STABILITY OF FORMWORK.

36. FORM EXTERNAL CORNERS OF BEAMS, JOISTS, AND COLUMNS, AS INDICATED ON DRAWINGS. PROVIDE FORMED OPENINGS WHERE REQUIRED FOR WORK TO BE EMBEDDED IN AND PASSING THROUGH CONCRETE MEMBERS. COORDINATE WORK OF OTHER SECTIONS IN FORMING AND SETTING OPENINGS, SLOTS, RECESSES, CHASES, SLEEVES, BOLTS, ANCHORS, AND OTHER INSERTS. INSTALL CONCRETE ACCESSORIES STRAIGHT, LEVEL, AND PLUMB.

37. APPLY FORM RELEASE AGENT TO FORMWORK PRIOR TO PLACING FORM ACCESSORIES AND REINFORCEMENT. DO NOT APPLY FORM RELEASE AGENT WHERE CONCRETE SURFACES WILL RECEIVE [SPECIAL FINISHES] [OR] [APPLIED COVERINGS] AFFECTED BY AGENT.

38. CLEAN FORMS AS ERECTION PROCEEDS, TO REMOVE FOREIGN MATTER.

39. PROVIDE FORMED OPENINGS WHERE REQUIRED FOR WORK TO BE EMBEDDED IN AND PASSING THROUGH CONCRETE MEMBERS. COORDINATE WORK OF OTHER SECTIONS IN FORMING AND SETTING OPENINGS, SLOTS, RECESSES, CHASES, SLEEVES, BOLTS, ANCHORS, AND OTHER INSERTS. INSTALL CONCRETE ACCESSORIES STRAIGHT, LEVEL, AND PLUMB.

40. PLACE FORMED CONSTRUCTION JOINT DEVIDE IN FLOOR SLAB IN PATTERN POURING SEQUENCE.

41. PLACE JOINT FILLER AT PERIMETER OF FLOOR SLAB, PENETRATIONS, AND ISOLATION JOINTS.

42. INSTALL VOID FORMS. PROTECT FORMS FROM MOISTURE BEFORE CONCRETE PLACEMENT AND FROM CRUSHING DURING CONCRETING.

43. PLACE REINFORCEMENT, SUPPORTED AND SECURED AGAINST DISPLACEMENT.

44. ENSURE REINFORCING IS CLEAN, FREE OF LOOSE SCALE, DIRT, OR OTHER FOREIGN COATINGS.

45. WELD REINFORCEMENT IN ACCORDANCE WITH AWS D1.4.

 - DO NOT WELD CROSSING REINFORCEMENT BARS FOR ASSEMBLY EXCEPT AS PERMITTED BY ARCHITECT/ENGINEER.

46. SPACE REINFORCEMENT BARS WITH MINIMUM CLEAR SPACING IN ACCORDANCE WITH ACI 301.

47. MAINTAIN CONCRETE COVER AROUND REINFORCEMENT IN ACCORDANCE WITH ACI 301.

48. PREPARE PREVIOUSLY PLACED CONCRETE BY CLEANING WITH STEEL BRUSH AND APPLYING BONDING AGENT.

49. SEPARATE SLAB-ON-GRADE FROM VERTICAL SURFACES WITH 1/2 INCH THICK JOINT FILLER, EXTENDED FROM BOTTOM OF SLAB TO WITHIN 1/4 INCH OF FINISHED SLAB SURFACE.

50. PLACE CONCRETE CONTINUOUSLY BETWEEN PREDETERMINED EXPANSION, CONTROL AND CONSTRUCTION JOINTS. DO NOT BREAK OR INTERRUPT SUCCESSIVE POURS CREATING COLD JOINTS.

51. PLACE FLOOR SLABS IN EVERY-OTHER LANE-PLACEMENT OR SAW CUT PATTERN INDICATED.

52. WHERE NEW CONCRETE IS DOWELED TO EXISTING WORK, DRILL HOLES IN EXISTING CONCRETE, INSERT STEEL DOWELS AND PACK WITH NON-SHRINK GROUT.

53. SCREED FLOORS SLAB-ON-GRADE AND CONCRETE BASE FOR TOPPINGS SLAB OR IN SLOPE PATTERN INDICATED IN DRAWINGS.

54. DO NOT REMOVE FORMS OR BRACING UNTIL CONCRETE HAS GAINED SUFFICIENT STRENGTH TO CARRY ITS OWN WEIGHT AND IMPOSED LOADS.

55. REMOVE FORMWORK PROGRESSIVELY AND IN ACCORDANCE WITH CODE REQUIREMENTS.

56. PLACE CONCRETE FLOOR TOPPINGS TO REQUIRED LINES AND LEVELS.

57. PRIOR TO PLACING, ROUGHEN CONCRETE BASE COURSE AND REMOVE DELETERIOUS MATERIAL, BROOM AND VACUUM CLEAN.

58. PLACE REQUIRED DIVIDERS, EDGE STRIPS, REINFORCING AND OTHER ITEMS TO BE CAST IN.

59. FINISH CONCRETE FLOOR SURFACES IN ACCORDANCE WITH ACI 301.

60. UNIFORMLY SPREAD, SCREED, AND FLOAT CONCRETE.

61. STEEL TROWEL SURFACES RECEIVING FLOOR FINISH MATERIALS OR REMAINING EXPOSED TO VIEW IN FINISHED CONSTRUCTION.

62. MAINTAIN SURFACE FLATNESS, WITH MAXIMUM VARIATION OF 1/8 INCH IN 10 FT.

63. IN AREAS WITH FLOOR DRAINS, MAINTAIN FLOOR LEVEL AT WALLS AND SLOPE SURFACES UNIFORMLY TO DRAINS.

64. APPLY CONCRETE HARDENER AND COLOR ON FLOOR SURFACES AS SCHEDULED.

65. IMMEDIATELY AFTER PLACEMENT, PROTECT CONCRETE FROM PREMATURE DRYING, EXCESSIVELY HOT

OR COLD TEMPERATURES, AND MECHANICAL INJURY.

74. MODIFY OR REPLACE CONCRETE NOT CONFORMING TO REQUIRED COMPRESSIVE STRENGTH LINES, DETAILS AND ELEVATIONS, AS DIRECTED BY ARCHITECT/ENGINEER.
75. PIPE SLEEVES OVER 1-1/2 INCHES IN DIAMETER WHICH PASS THROUGH CONCRETE WALLS OR SLABS SHALL BE SCHEDULE 40 GALVANIZED STEEL PIPE. ALL OTHER SLEEVES SHALL BE 18 GAUGE SHEET METAL. SLEEVES SHALL BE ONE SIZE LARGER THAN OUTSIDE DIAMETER OF PIPE PASSING THROUGH. VERIFY SIZE AND NUMBER WITH MECHANICAL, ELECTRICAL, AND PLUMBING CONTRACTORS.

Animart

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Waunakee, Wisconsin

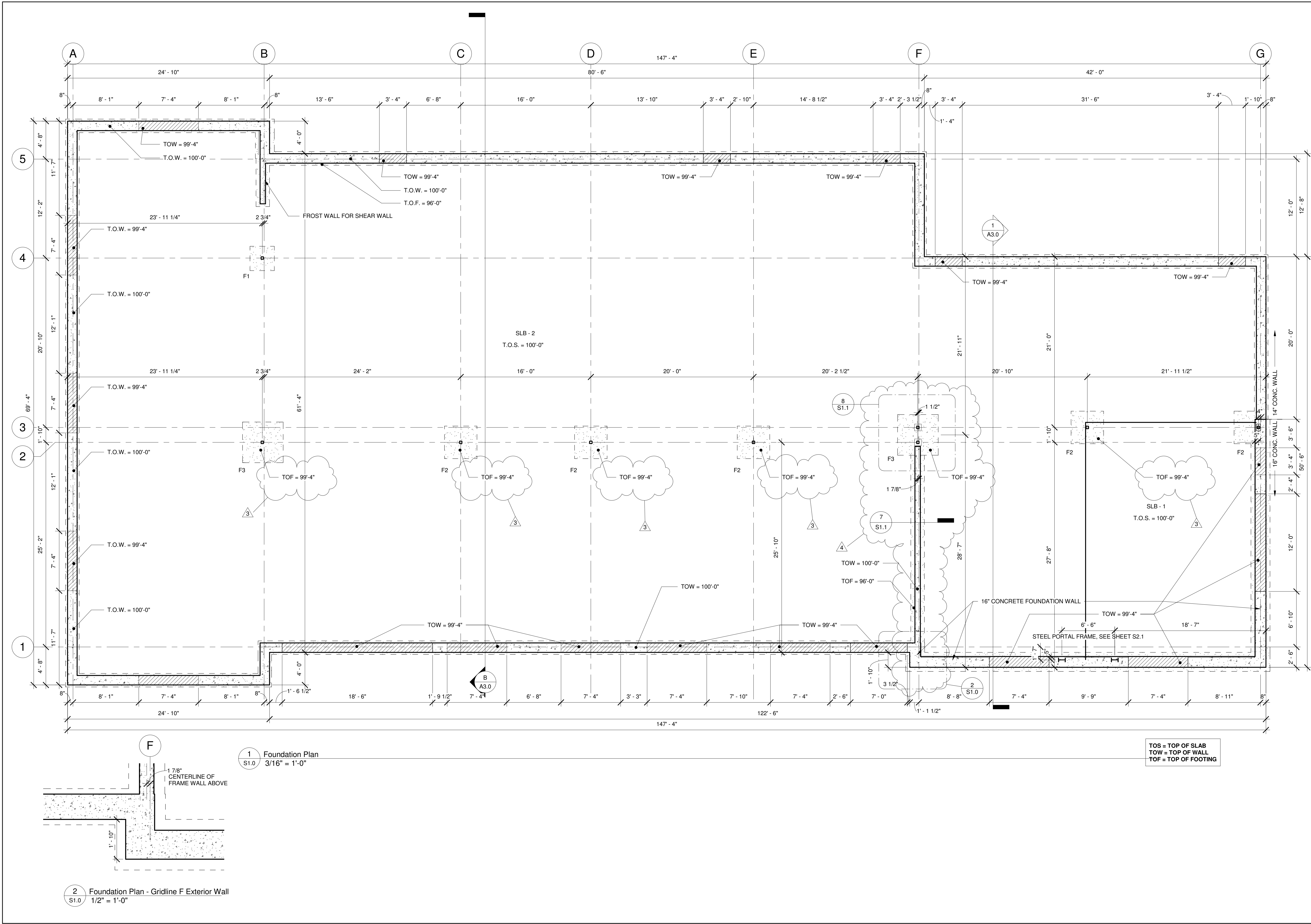
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Drawing Name

Structural Notes

Project number B15010	Sheet number S0.0
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Pet Store
Wauwaukee, Wisconsin

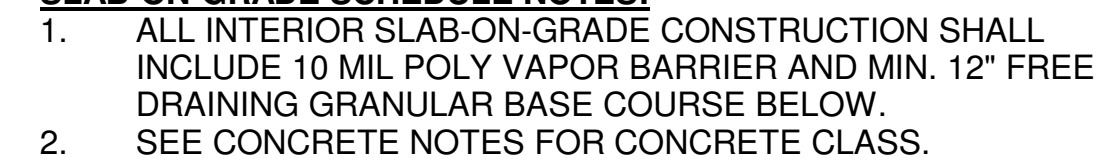
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No.	Description	Date
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4	Revision 4	10-19-17

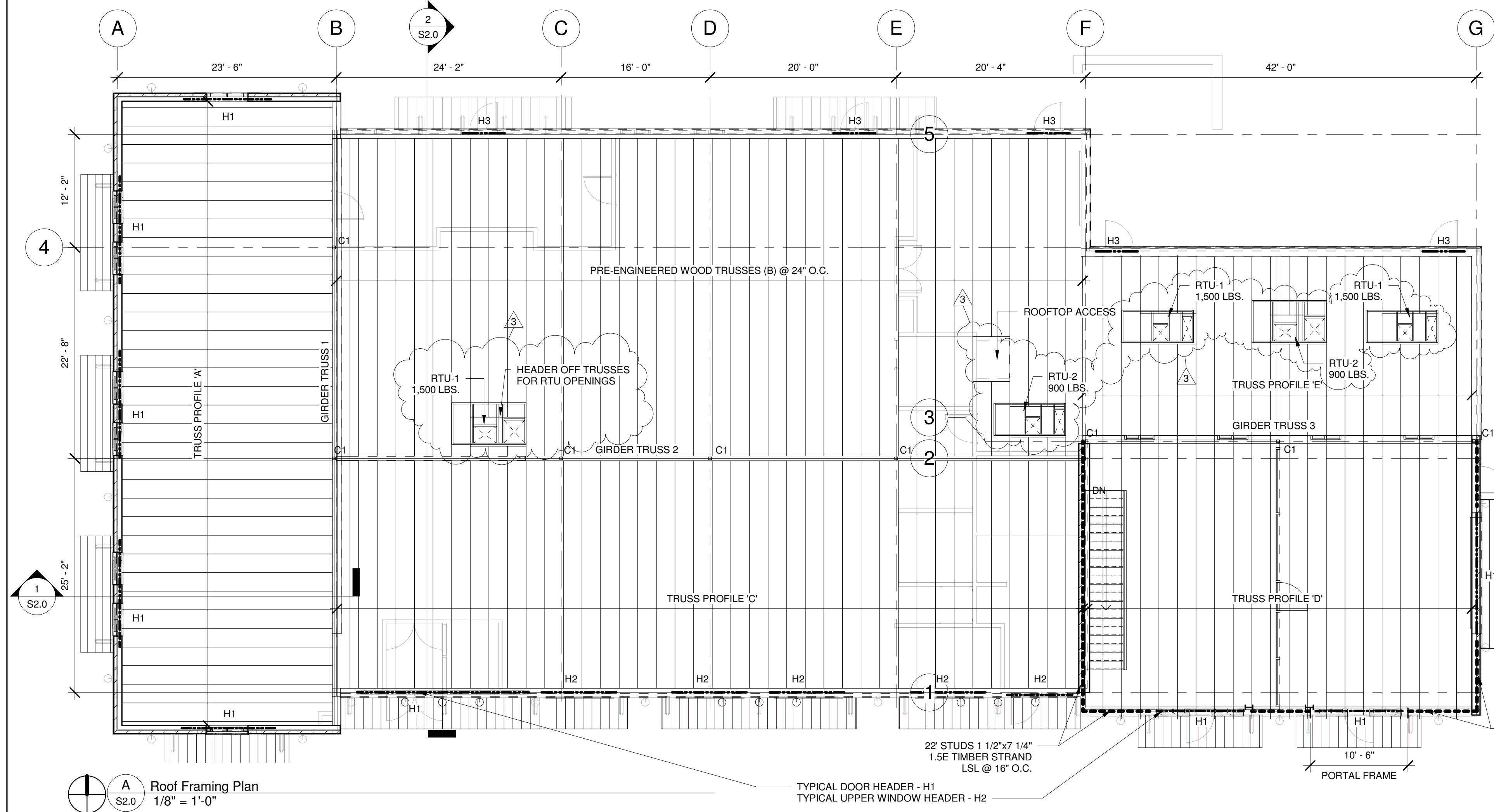
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Foundation Plan

Project number
B15010

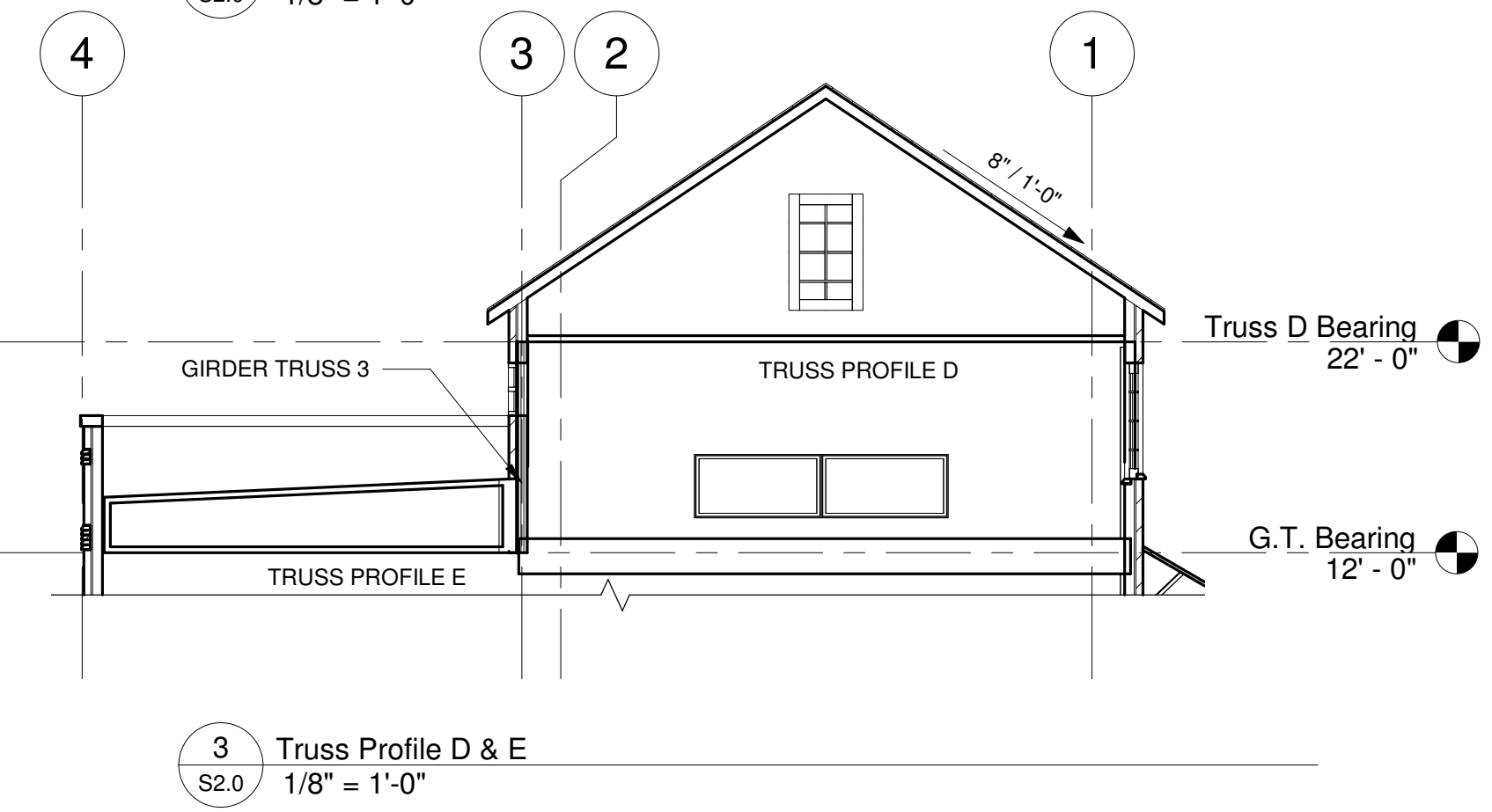
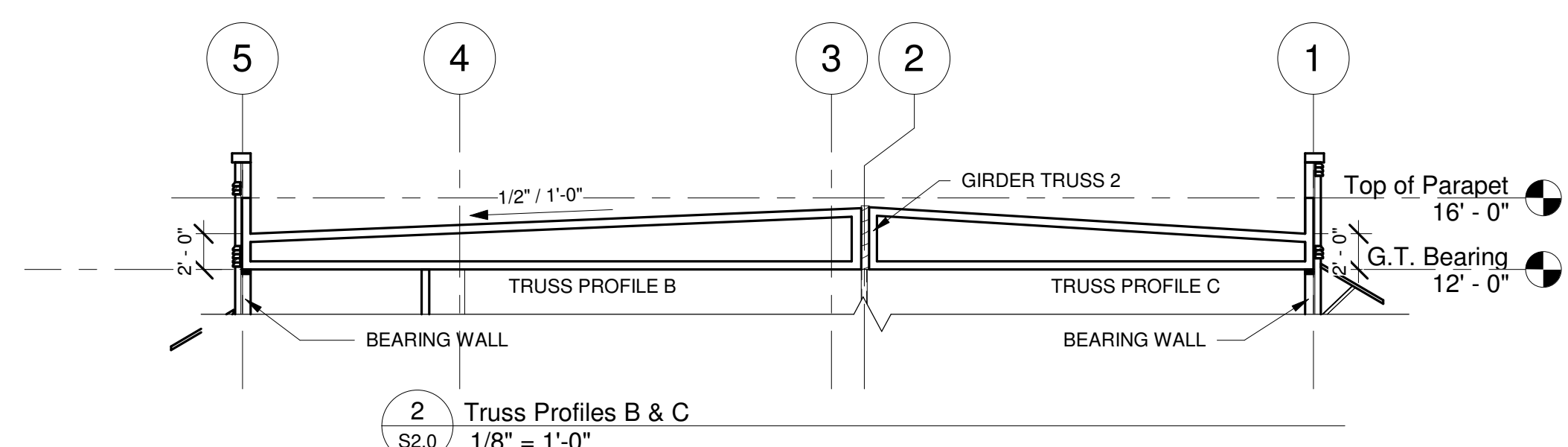
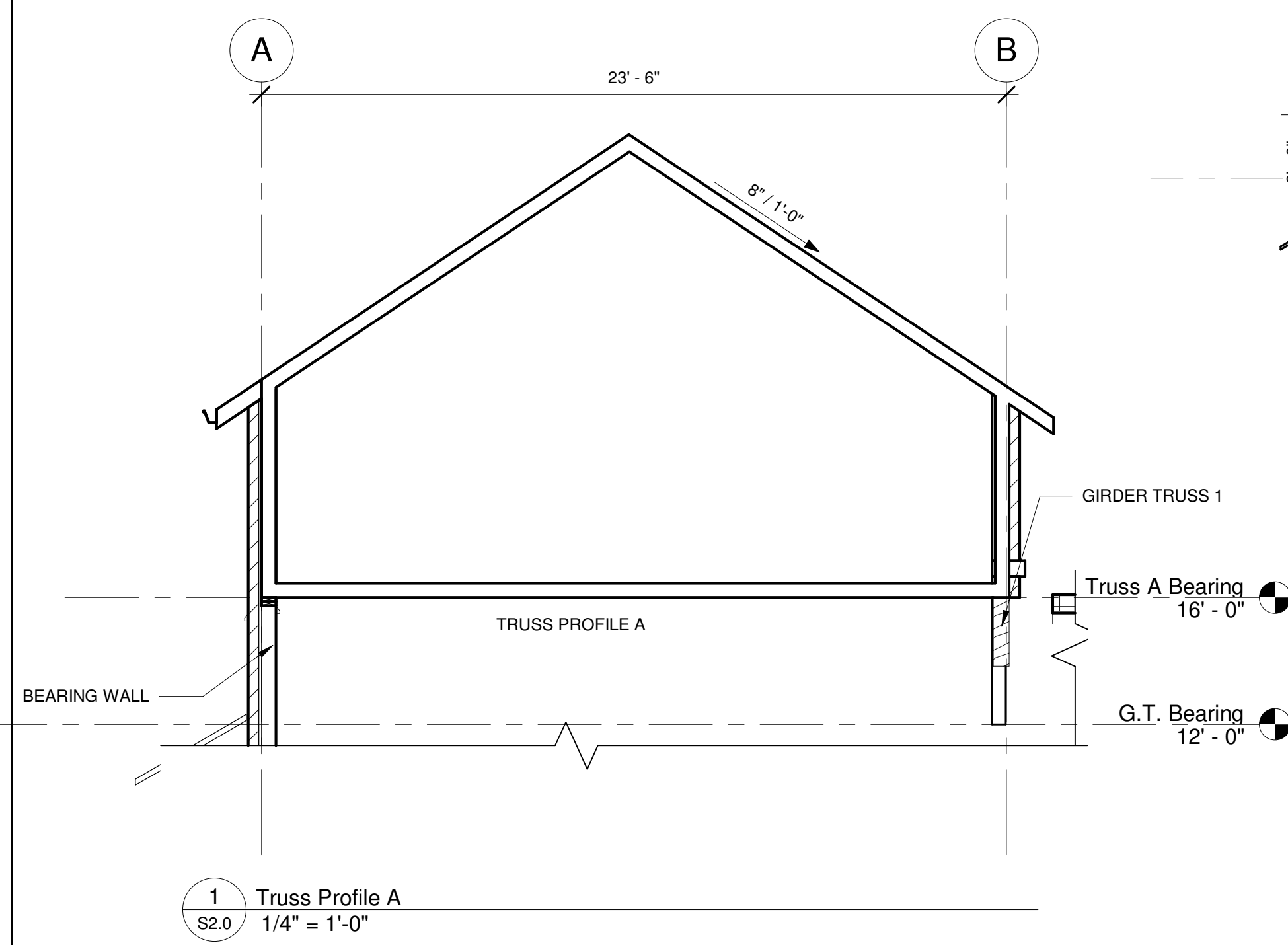
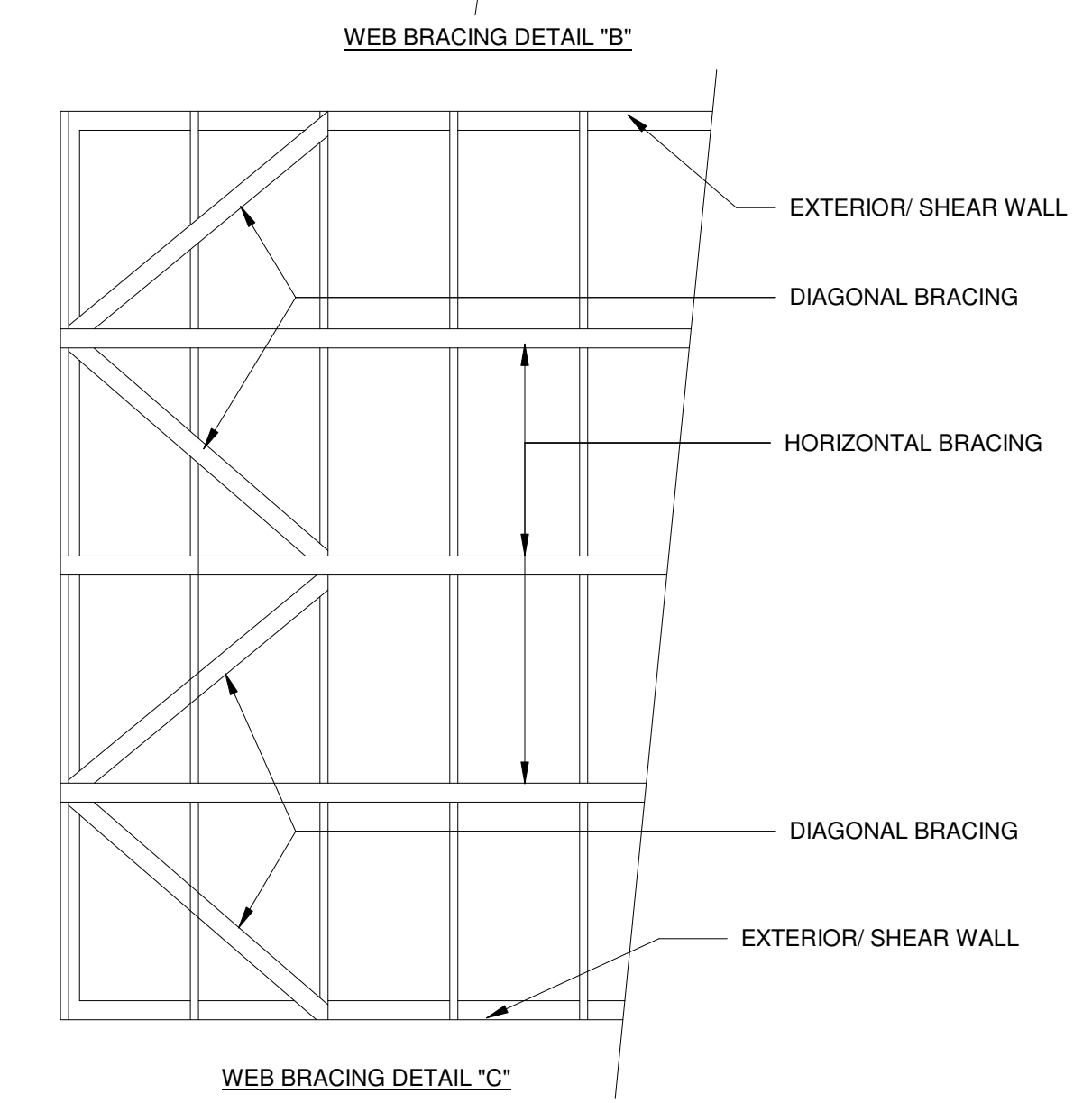
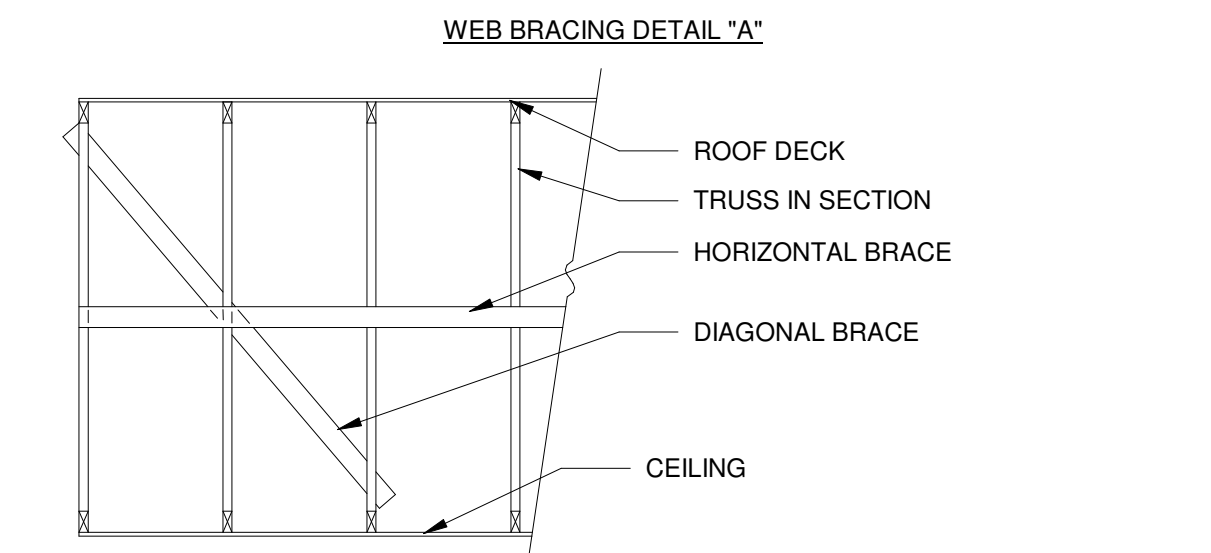
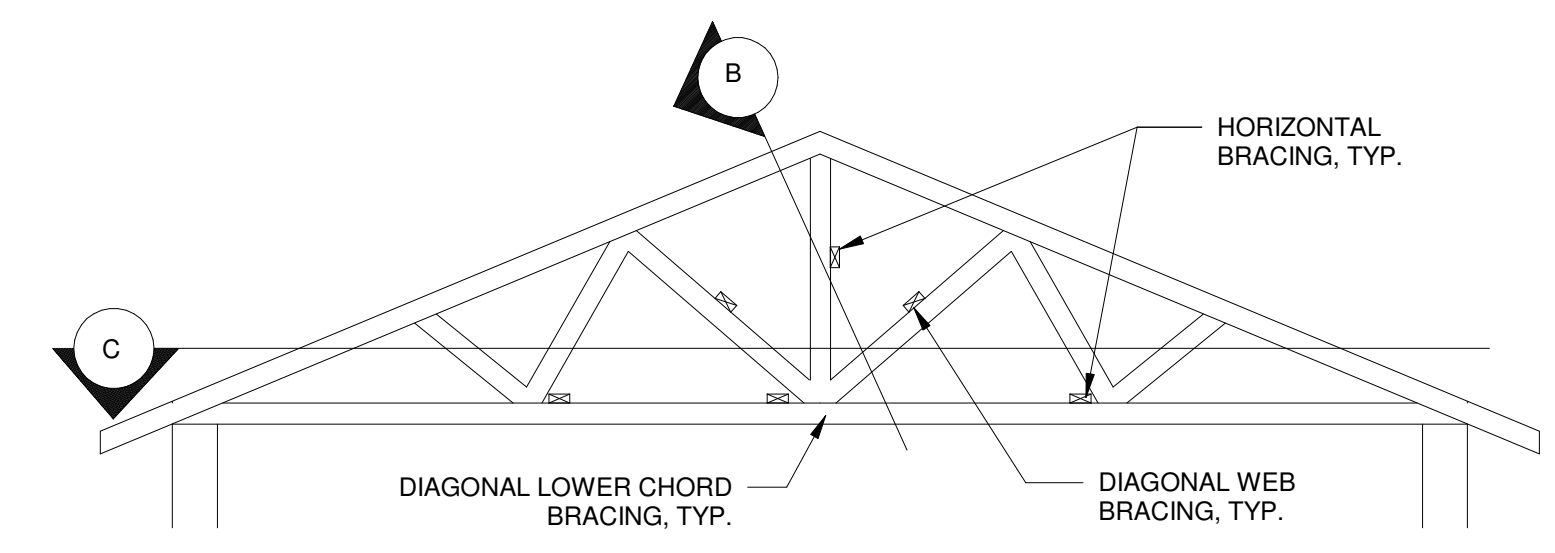
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Project number B15010	Sheet number S1.1
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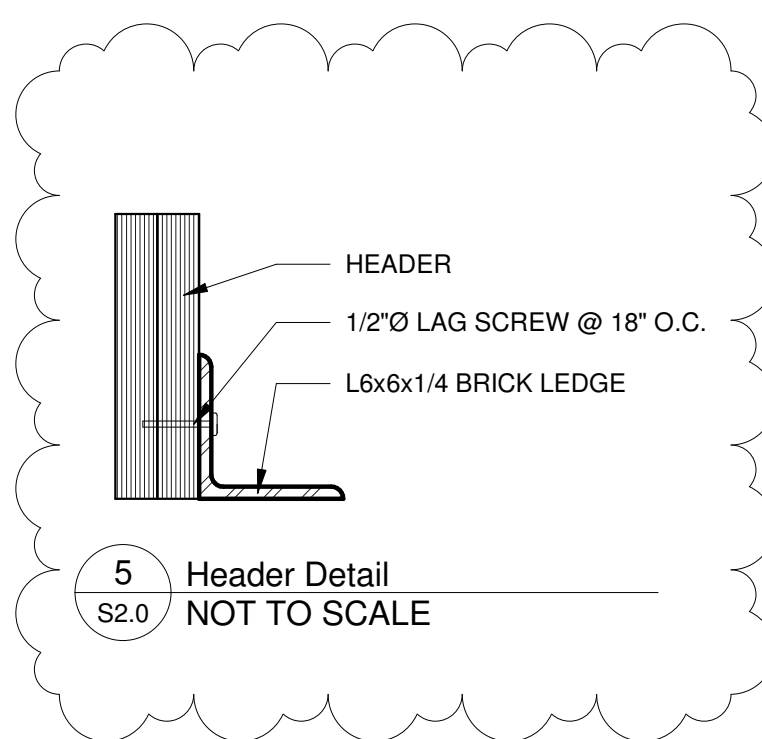


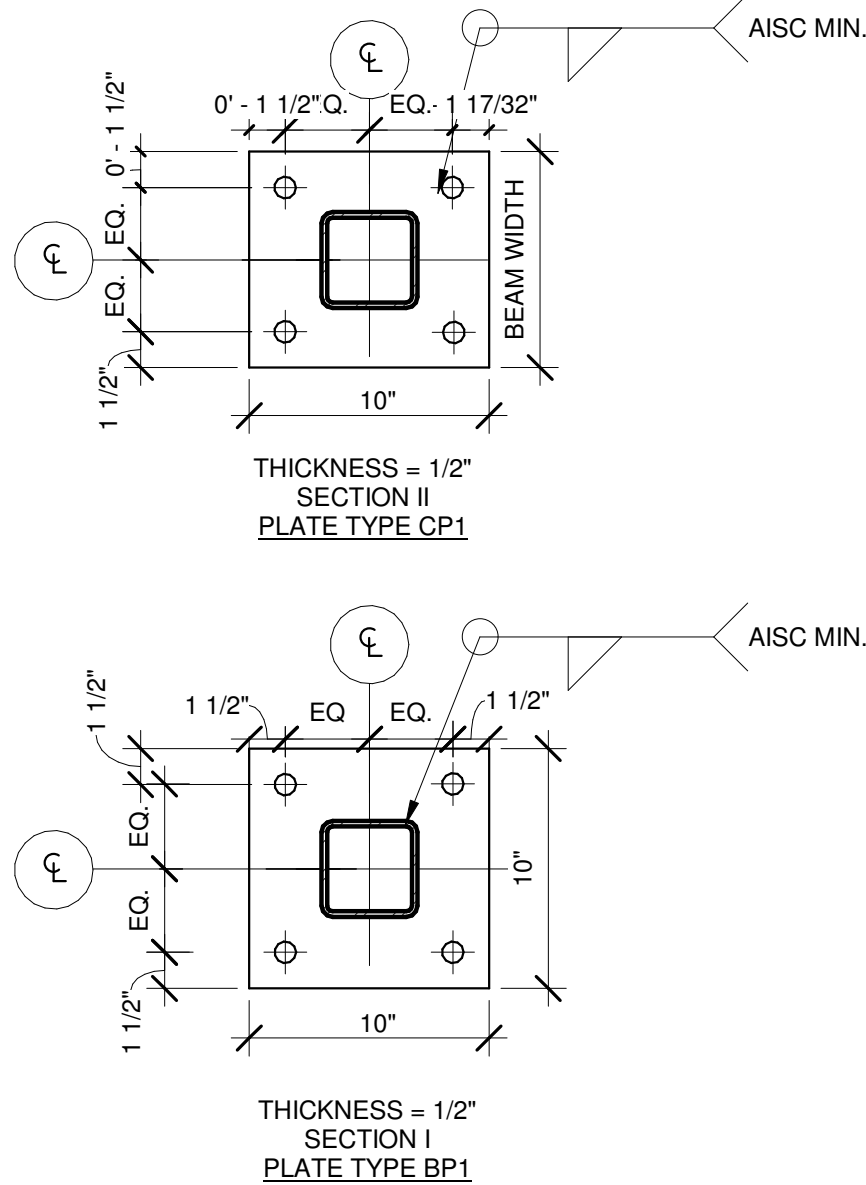
- ROOF TRUSS BRACING NOTES**
- ALL BRACING SHOWN OR DESCRIBED SHALL BE A MINIMUM 2 X 4 WITH 2 16d IN EVERY TRUSS IT CROSSES.
 - ALL TRUSS TOP CHORDS SHALL BE BRACED BY THE ROOF DECKING.
 - ALL TRUSS WEB MEMBERS SHALL BE BRACED AT 4'-0" O.C. UNLESS CALCULATIONS SHOW OTHERWISE.
 - ALL HORIZONTAL BRACING SHALL BE STIFFENED AT 20'-0" O.C. WITH EITHER:
 - DIAGONAL BRACING EXTENDED TO A SHEAR WALL PARALLEL OR TO THE ORIGINAL BRACING. SEE BRACING DETAILS.
 - A 1/2" PLYWOOD SHEET EXTENDED TO ROOF DECK OR SHEAR WALL.
 - ALL TRUSS BOTTOM CHORDS SHALL BE BRACED AT 6'-0" O.C. UNLESS CALCULATIONS SHOW OTHERWISE, CONTINUOUS SHEETING APPLIED TO BOTTOM CHORD WILL NOT SATISFY BRACING REQUIREMENT. (SEE DETAILS A, B, & C).



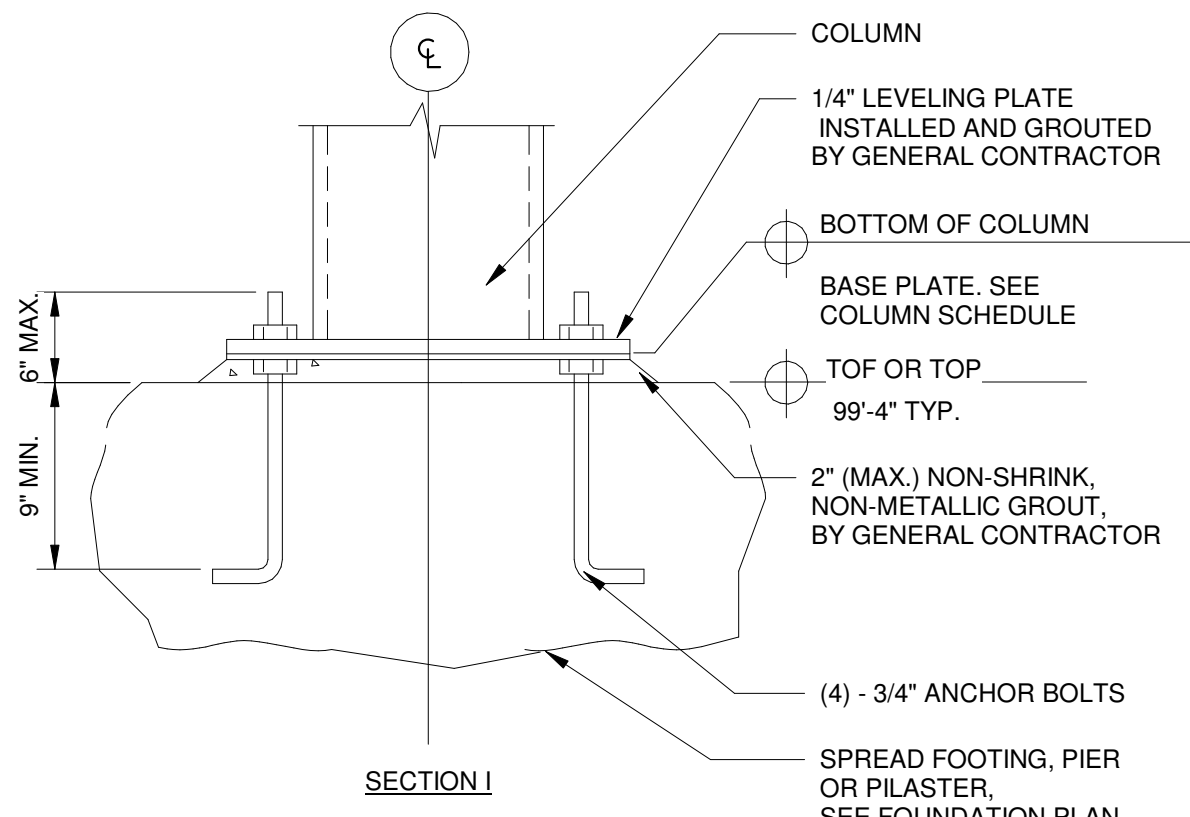
- 4 ROOF TRUSS NOTES**
S2.0 / N.T.S.

HEADER SCHEDULE	
MARK	DESCRIPTION
H1	(2) 11 7/8" LVL, MICROLLAM E = 2.0 W/ L6x6x1/4 BRICK LEDGE
H2	(2) 9 1/2" LVL, MICROLLAM E = 2.0 W/ L6x6x1/4 BRICK LEDGE
H3	(3) 2x8 W/ L6x6x1/4 BRICK LEDGE

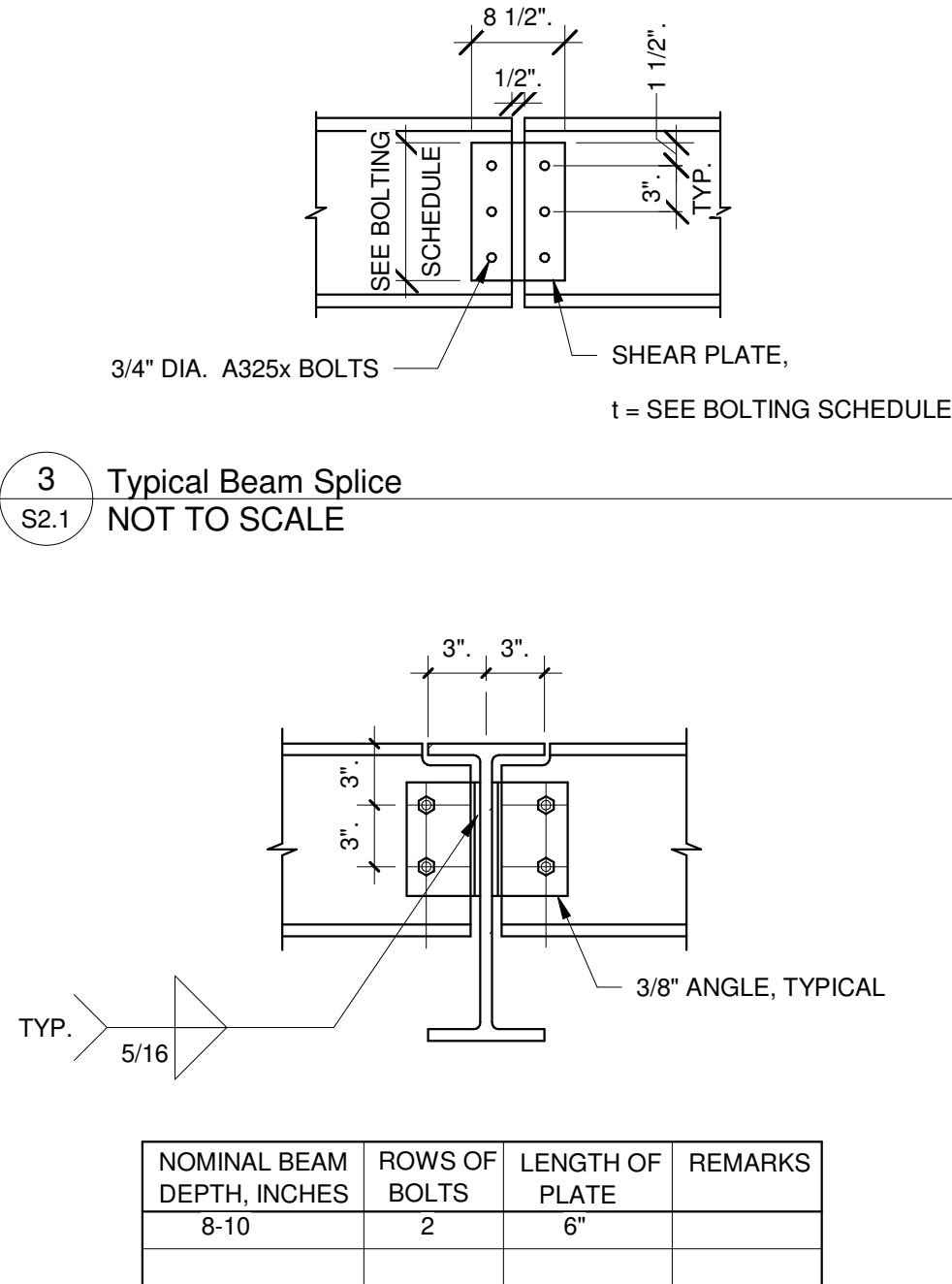




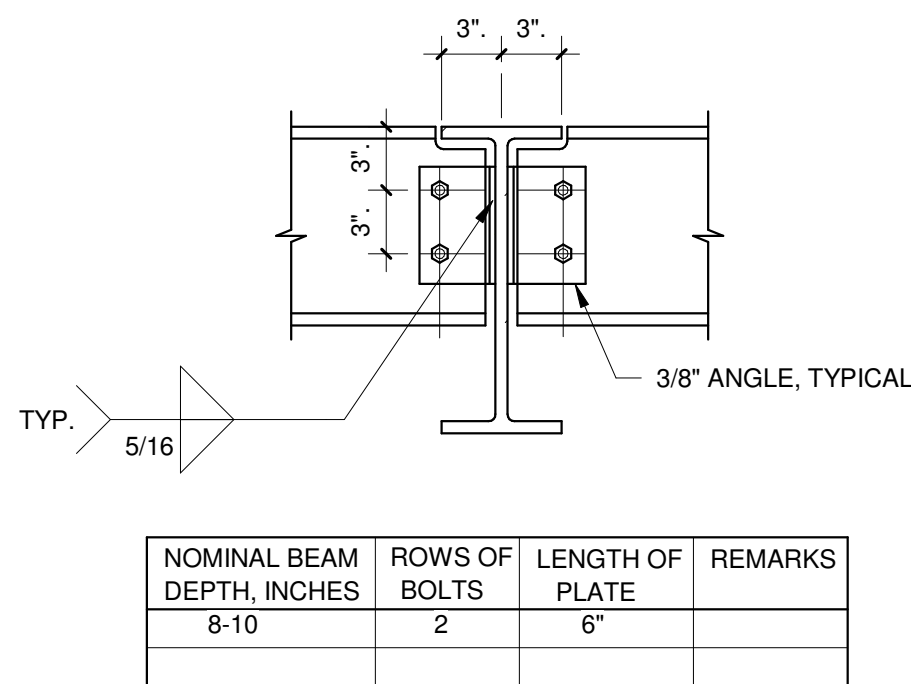
1 Column Schedule - Base Plate Types
S2.1 NOT TO SCALE



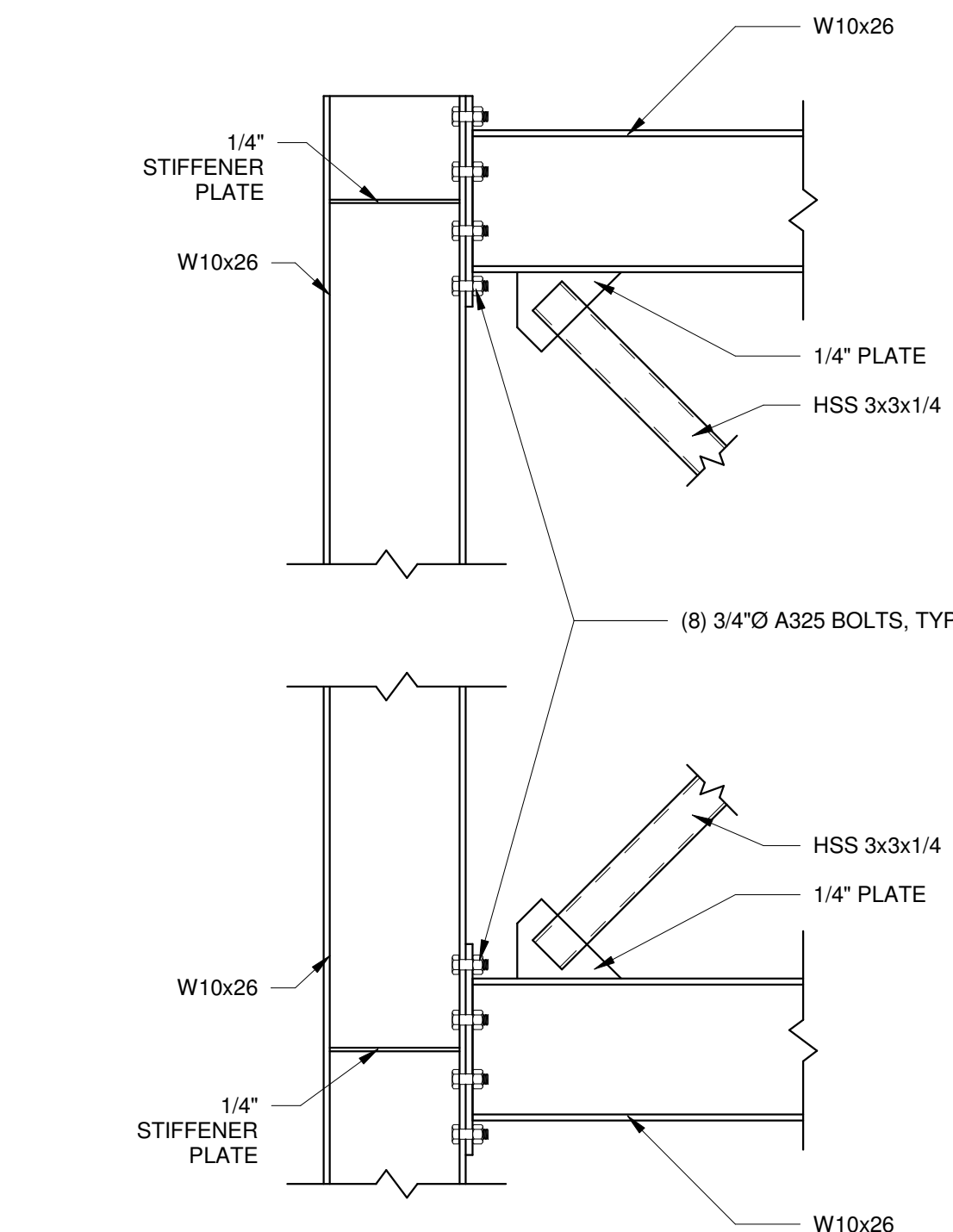
2 Base Plate Elevation
S2.1 NOT TO SCALE



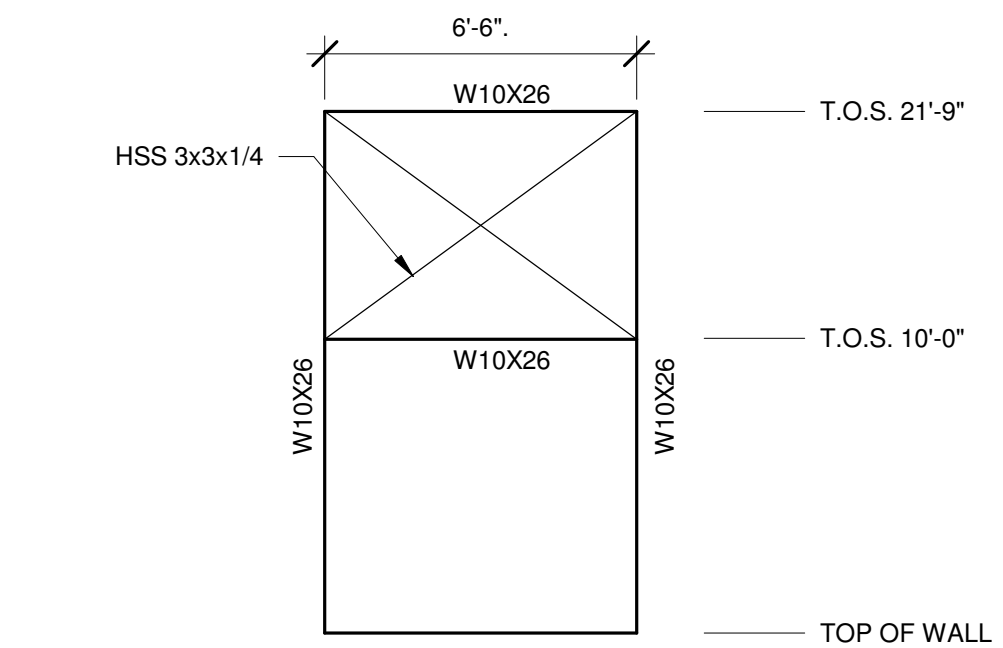
3 Typical Beam Splice
S2.1 NOT TO SCALE



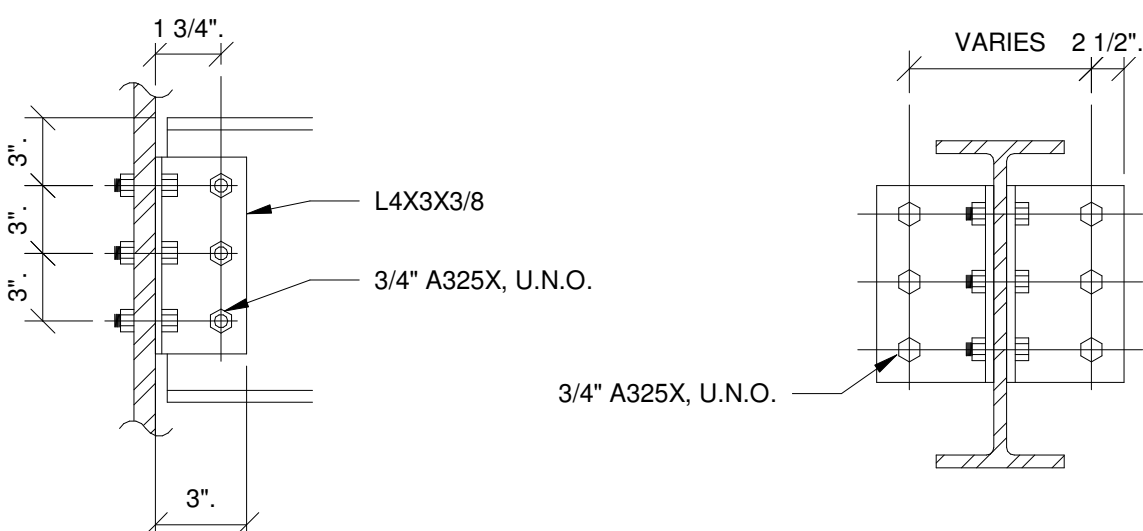
4 Single Shear Plate Connection
S2.1 NOT TO SCALE



5 Moment Frame Detail
S2.1 1" = 1'-0"



6 Moment Frame
S2.1 NOT TO SCALE



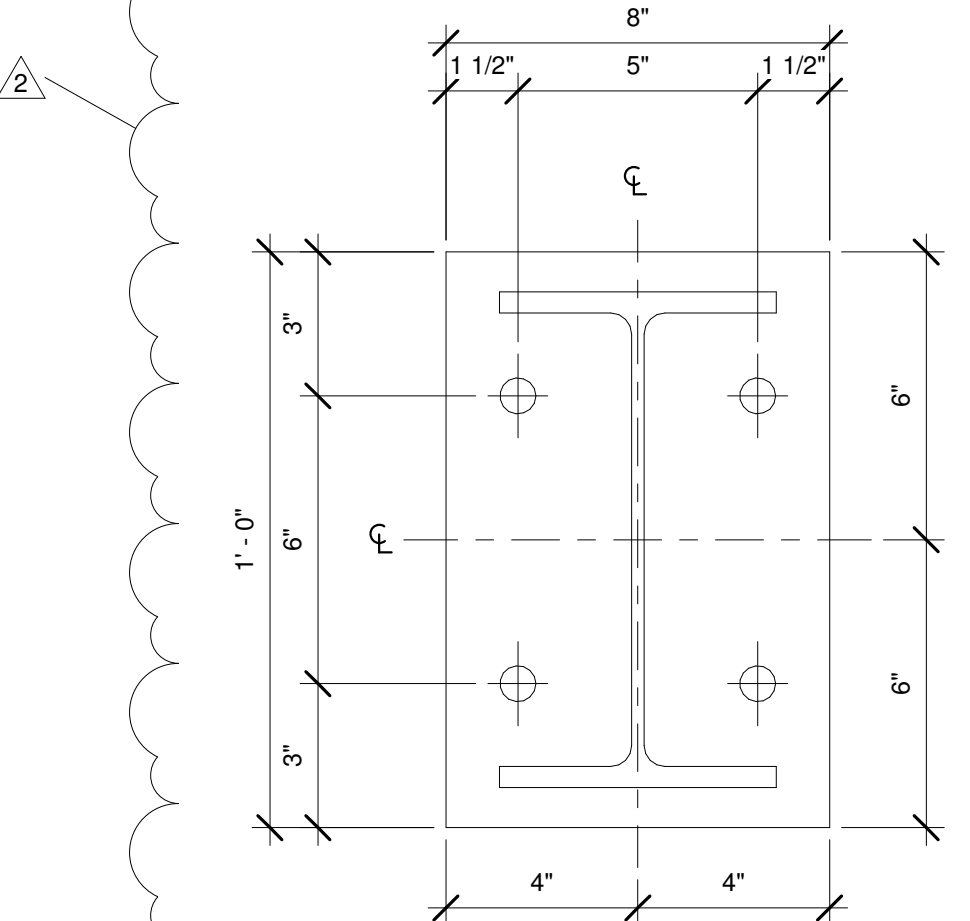
7 Double Angle Connection
S2.1 NOT TO SCALE

BOLTING SCHEDULE					
NOM. BEAM DEPTH (INCHES)	t (IN)	ROWS OF BOLTS	W (IN)	LENGTH OF SINGLE SHEAR PLATE	REMARKS
30	5/8"	9	3/8"	27	
24	1/2"	7	3/8"	21	
21	1/2"	6	3/8"	18	
18	1/2"	5	3/8"	15	
14-16	3/8"	4	5/16"	12	
12	3/8"	3	5/16"	9	
8-10	3/8"	2	5/16"	6	

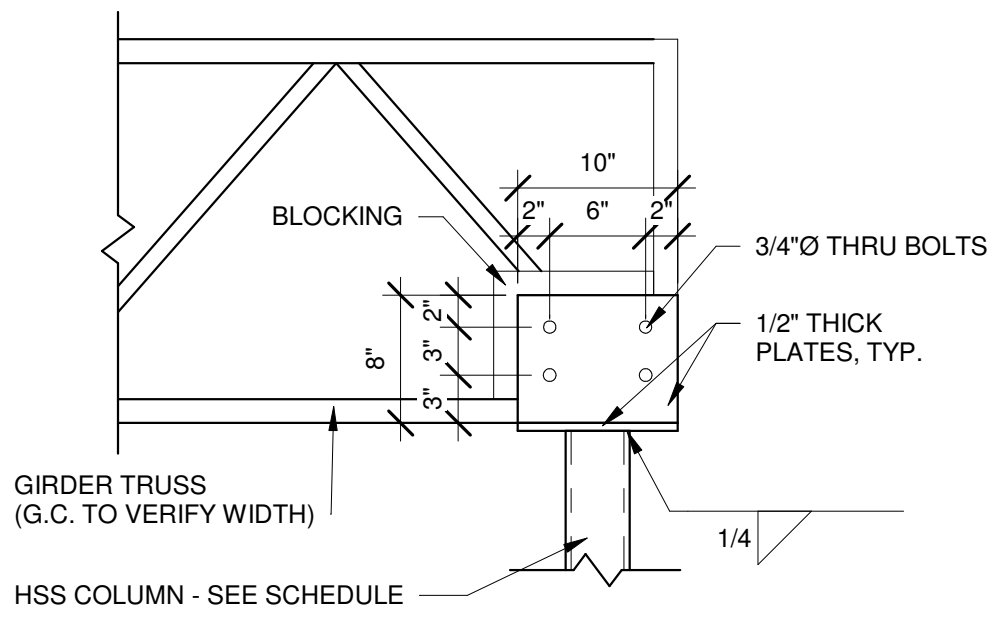
NOTES:
1. NUMBER OF ROWS IS EQUAL TO NUMBER OF BOLTS TO ENCLOSED WEB.
2. ALL FRAMING CONNECTIONS SHALL CONFORM TO SCHEDULE UNLESS DETAILED OTHERWISE ON FRAMING PLANS.
3. COPE BEAM FLANGE FOR SKEWED CONNECTION AS NECESSARY.
4. HOLE DIAMETER TO BE 1/16" LARGER THAN THE SPECIFIED BOLT DIAMETER.
5. CLEARANCE FOR BOLT HOLES SHALL BE A MINIMUM OF 1-1/2" FROM EDGE OF HOLE TO EDGE OF CONNECTED PART.

COLUMN SCHEDULE			
Type Mark	TYPE	BASE PLATE	CAP PLATE
C1	HSS4X4X3/8	BP1	CP1

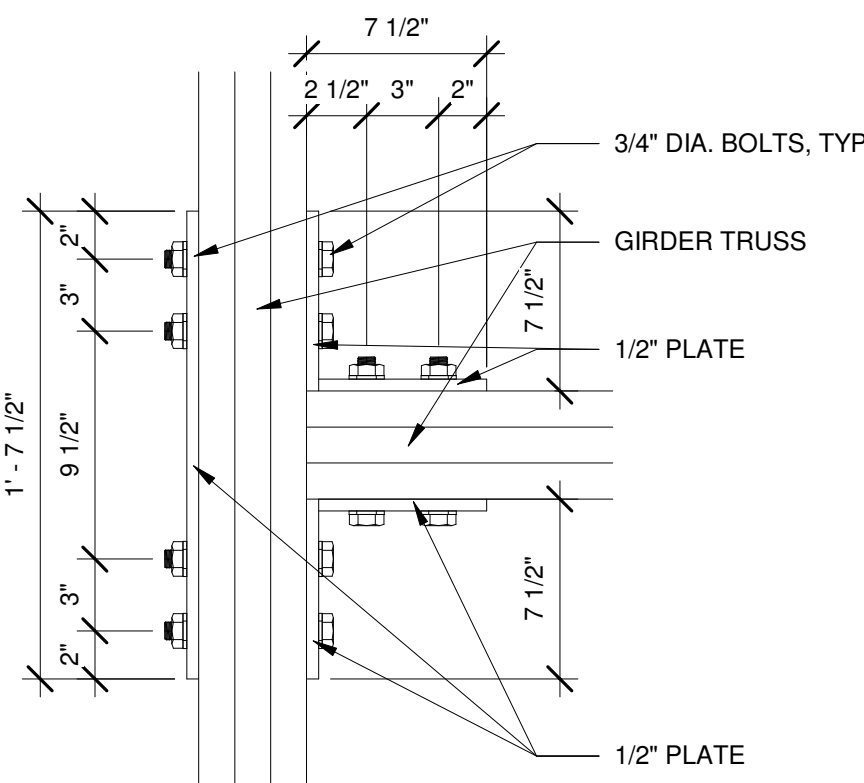
NOTES:
1. A MINIMUM OF 4 (FOUR) BOLTS ARE REQ'D FOR ALL COLUMNS.
2. ORIENT LONG DIM OF CAP PLATE WITH AXIS OF BEAM, TYP.
3. SEE COLUMN SCHEDULE FOR COLUMN BASE AND CAP PLATE MARK.



8 Base Plate Detail - BP2
S2.1 NOT TO SCALE



9 Girder Truss Detail @ B4, C2, D2, E2, F2, F3, G3,
S2.1 F.53 NOT TO SCALE



10 Cap Plate Detail @ B2
S2.1 1 1/2" = 1'-0"

No.	Description	Date
1	Revision 1	Date 1
2	Revision 2	10-11-17