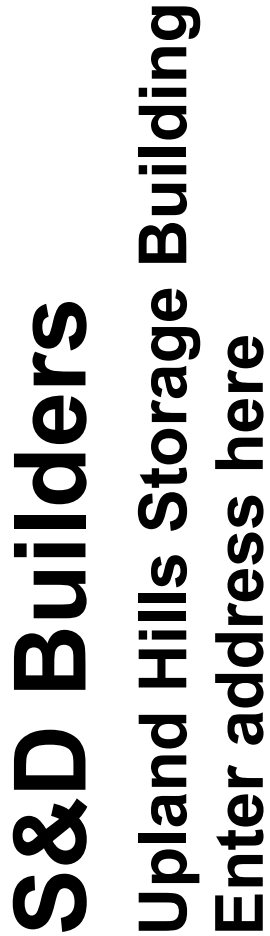
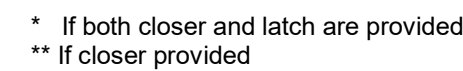
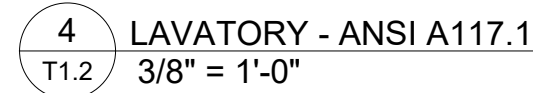
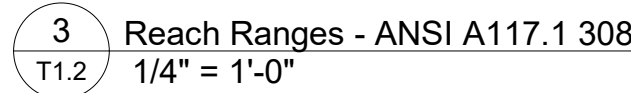
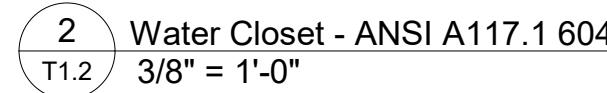


Project Address: Dodgeville, WI
Jewell Project No.: S58136

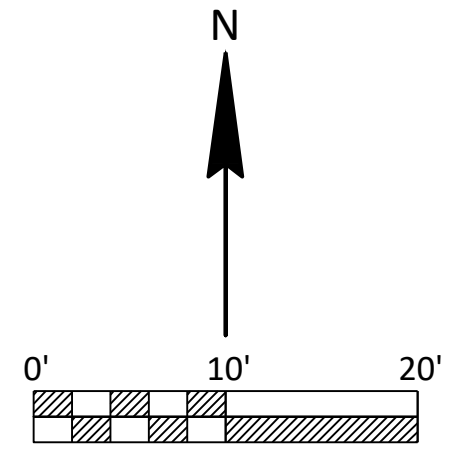


Project number	Sheet number
S58136	T1.0



The site plan illustrates a proposed development on a 100' x 150' lot. The lot is bounded by S. Iowa Street to the west and S. Union Street to the east. The plan shows existing topography with contour lines and proposed building footprints. Key features include:

- Setbacks:** Front setbacks of 30' from both S. Iowa Street and S. Union Street, and a side setback of 10' from S. Union Street.
- Utilities:** Sanitary (SAN), Water (W), Overhead (OH), Guy Wire (GUY), and Post (POST) lines are shown.
- Monuments:** MON #443 and BM #11 are located on S. Union Street.
- Elevations:** Contour lines are labeled with elevations from 1191 to 1207.
- Scale:** A scale bar indicates 0' to 20'.



JEWELL

560 Sunrise Drive
Spring Green, WI 53588
phone: 608-588-7484

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S&D Builders
Upland Hills Storage Building
Dodgeville, WI

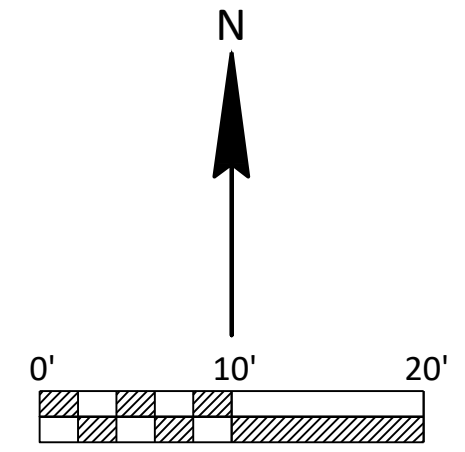
Design

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Drawing Name
EXISTING SITE

Project number S58136	Sheet number C1.0
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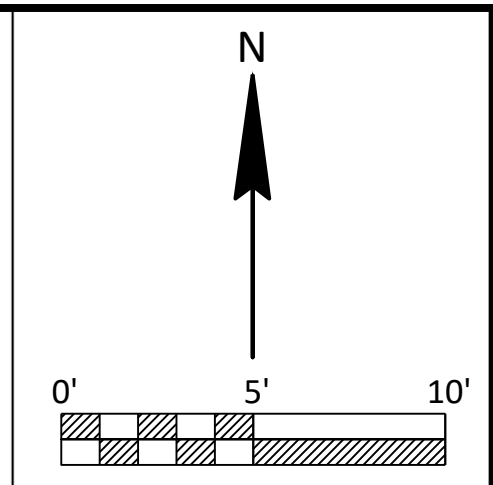
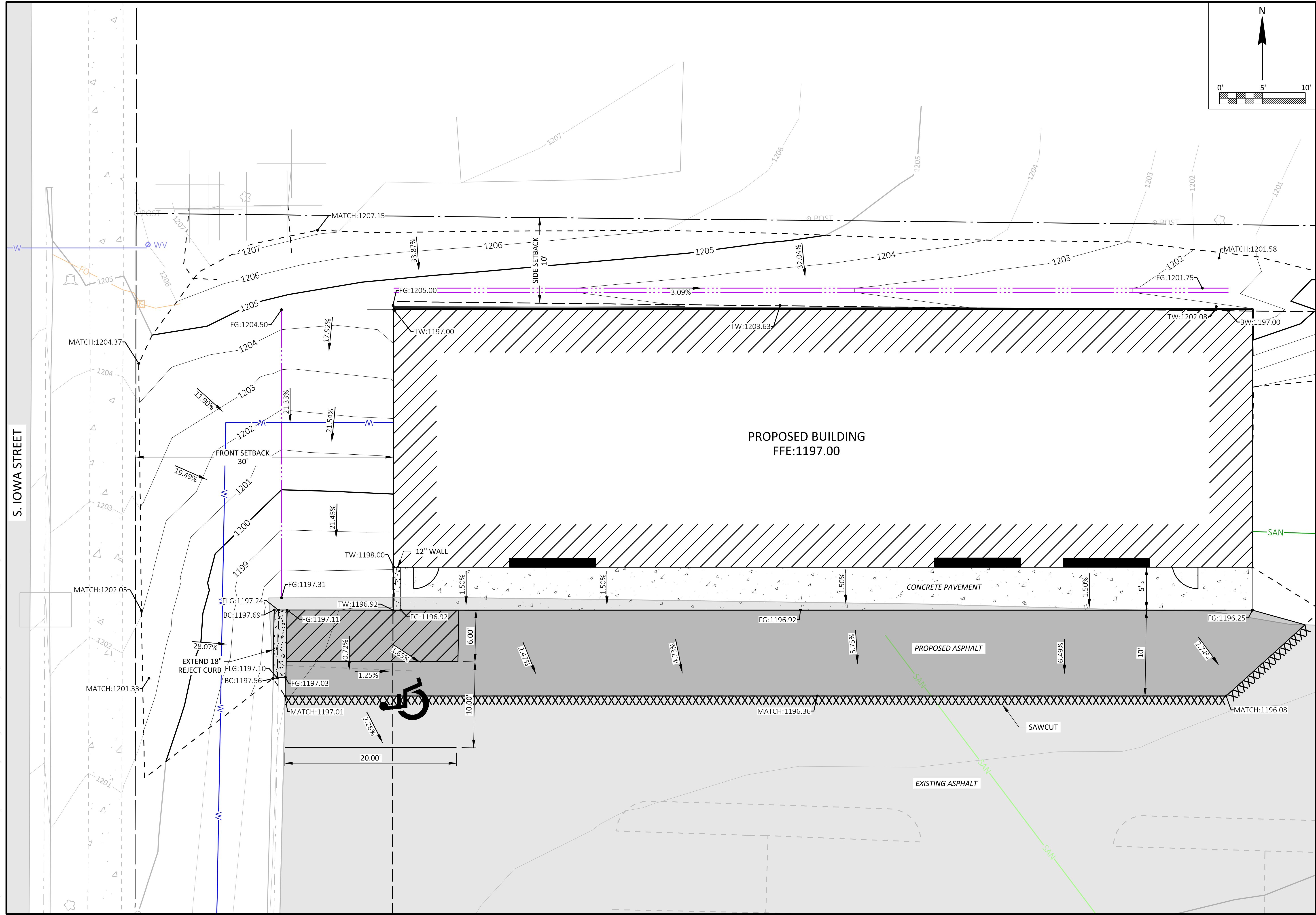
Design

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Drawing Name
PROPOSED SITE

Project number S58136	Sheet number C2.0
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The image shows the logo for Jewell Associates Engineers, Inc. The word "JEWELL" is prominently displayed in a large, bold, serif font. Below it, the company's address "560 Sunrise Drive" and city/state "Spring Green, WI 53588" are listed, followed by the phone number "phone: 608-588-7484". At the bottom, a disclaimer in a smaller font states: "THIS DOCUMENT, THE IDEAS AND DESIGNS INCORPORATED HEREIN AS AN INSTRUMENT OF SERVICE, IS THE PROPERTY OF JEWELL ASSOCIATES ENGINEERS, INC. AND IS NOT TO BE USED IN WHOLE OR IN PART WITHOUT PRIOR WRITTEN AUTHORIZATION OF JEWELL ASSOCIATES ENGINEERS, INC."

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Upland Hills Storage Building
Dodgeville, WI

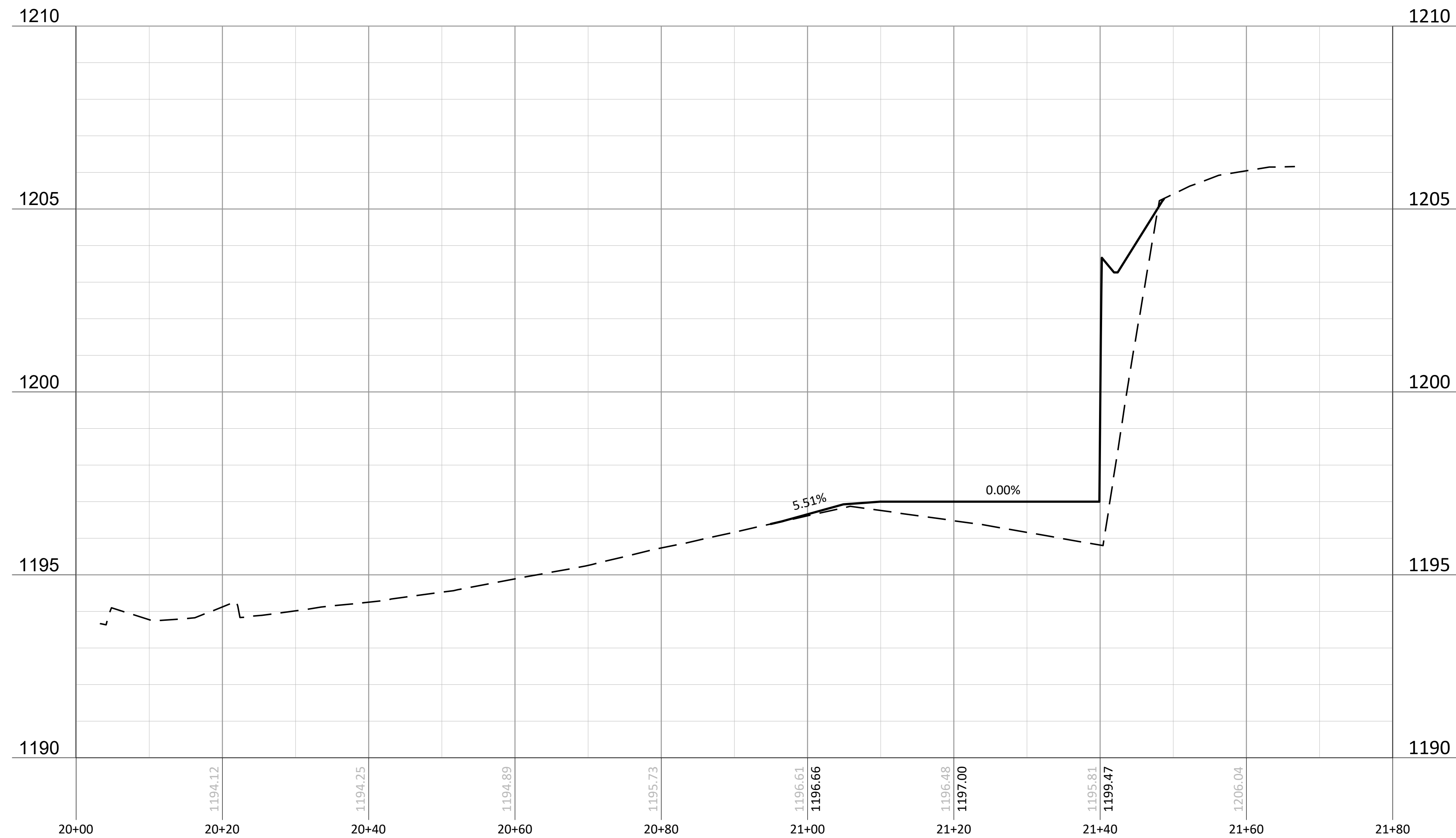
Design

09-01-2026

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Drawing Name
SITE DETAILS

Project number S58136	Sheet number C2.1
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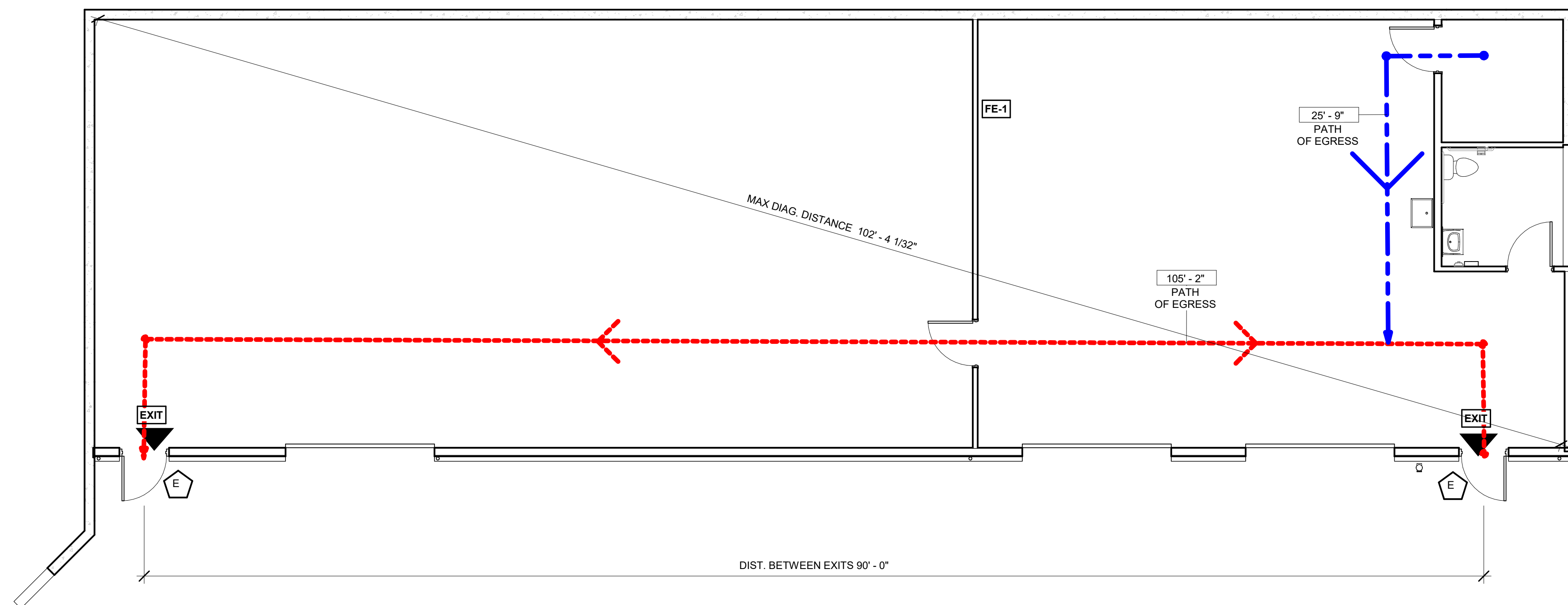


Sheet number
C2.2

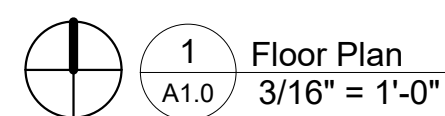
	COMMON PATH (C.P.) (> DIRECTION OF TRAVEL)
	EGRESS PATH (E.P.) (> DIRECTION OF TRAVEL)
	EGRESS DOOR: EXIT HARDWARE & INTERNALLY LIT EXIT SIGN
	INTERNALLY LIT EXIT SIGN
	FIRE EXTINGUISHER: 4A-60-B:C 10lb PROCESS AREA CABINET (SECTION 10522, PARAGRAPH 2.2)
	FIRE EXTINGUISHER: 4A-60-B:C 10lb NON-PROCESS AREA CABINET (SECTION 10522, PARAGRAPH 2.3)
	EXTERIOR WALL PAK LIGHT

1. IBC 906.1/IBC 906.2 PROVIDE FIRE EXTINGUISHERS PER IFC 906. FIRE EXTINGUISHERS SHALL BE SELECTED, INSTALLED AND MAINTAINED IN ACCORDANCE WITH IFC 906 AND NFPA 10.
2. VERIFY LOCATION OF FIRE EXTINGUISHERS SHOWN ON PLANS WITH OWNER AND FIRE DEPARTMENT INSPECTOR.
3. LOW HAZARD OCCUPANCY
 - A. MINIMUM RATED SINGLE EXTINGUISHER: 2-A
 - B. MINIMUM FLOOR AREA PER UNIT OF "A": 3,000 SF
 - C. MAXIMUM FLOOR AREA FOR EXTINGUISHER: 11,250 SF
 - D. MAXIMUM DISTANCE OF TRAVEL TO EXTINGUISHER: 75 FEET
4. MODERATE HAZARD OCCUPANCY
 - A. MINIMUM RATED SINGLE EXTINGUISHER: 2-A
 - B. MINIMUM FLOOR AREA PER UNIT OF "A": 1,500 SF
 - C. MAXIMUM FLOOR AREA FOR EXTINGUISHER: 11,250 SF
 - D. MAXIMUM DISTANCE OF TRAVEL TO EXTINGUISHER: 75 FEET

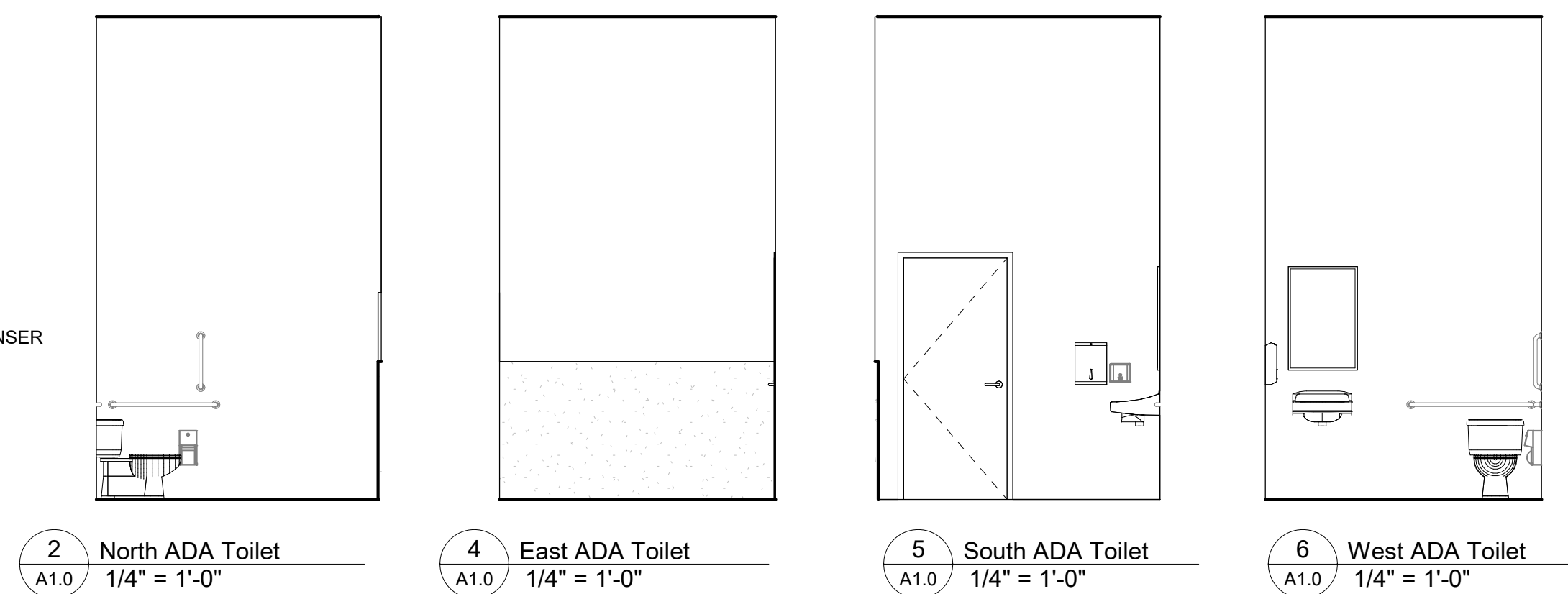
1. ELECTRICAL EQUIPMENT ROOMS.
2. FIRE COMMAND CENTERS.
3. FIRE PUMP ROOMS.
4. GENERATOR ROOMS.
5. PUBLIC RESTROOMS WITH AN AREA GREATER THAN 300 SQUARE FEET (27.87 M2).



Project number S58136	Sheet number A0.0
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- | | |
|------|-------------------------------------|
| TA-1 | 24" x 36" MIRROR |
| TA-2 | 36" GRAB BAR |
| TA-3 | 42" GRAB BAR |
| TA-4 | 18" GRAB BAR |
| TA-5 | WALL MOUNTED SOAP DISPENSER |
| TA-6 | WALL MOUNTED TOILET PAPER DISPENSER |
| TA-7 | PAPER TOWEL DISPENSER |



ROOM AREA SCHEDULE		
Number	Name	Area
100	Storage 1	1,697 SF
101	Storage 2	986 SF
102	ADA Toilet	65 SF
103	Mechanical	67 SF
		2,815 SF

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S&D Builders
Upland Hills Storage Building
Enter address here

PLAN REVIEW

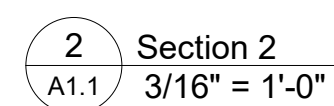
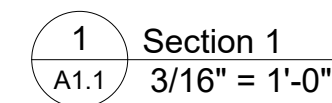
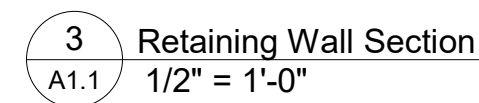
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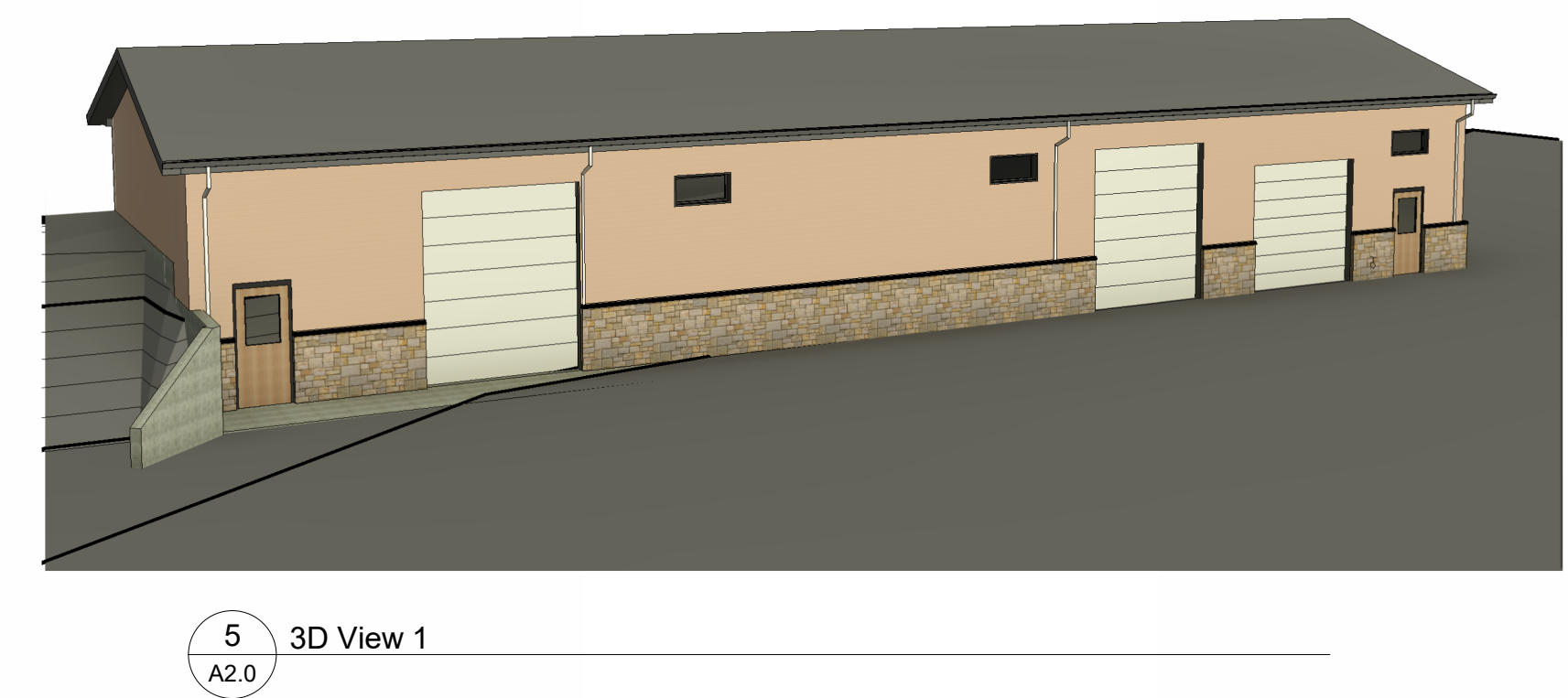
Drawing Name
Floor Plan

Project number S58136	Sheet number A1.0
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Project number S58136	Sheet number A1.1
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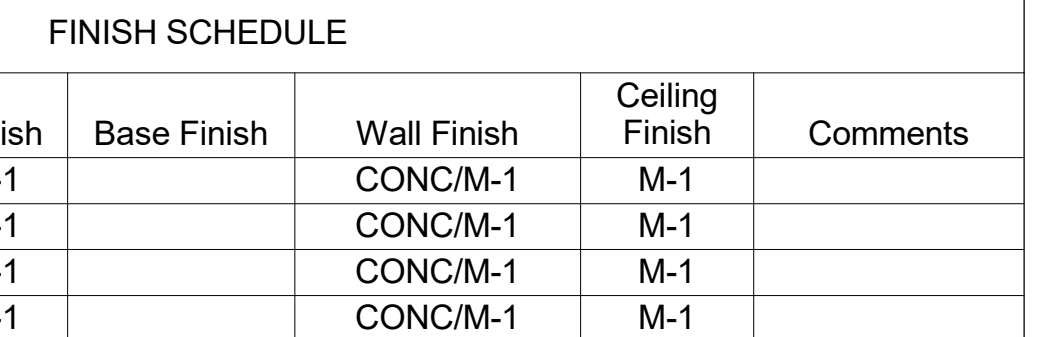


Project number S58136	Sheet number A2.0
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2 Roof Plan
A4.0 3/16" = 1'-0"



1 Finish Plan
A4.0 3/16" = 1'-0"

CEILING:

M-1 METAL LINER PANEL

DESIGNED IN CONFORMANCE WITH THE 2021 INTERNATIONAL BUILDING CODE, INCLUDING THE WISCONSIN AMENDMENTS, 2021.

2. DESIGN LOADS:

- ROOF: 23.1 PSF BALANCED SNOW LOAD.
- $PF=0.7 \times CE \times CT \times I \times PG$
- $PG = 30 \text{ PSF}$, $CE = 1.0$, $CT = 1.1$, $I = IS = 1.0$
- SNOW UNBALANCED - SEE SNOW LOADING DIAGRAMS

3. DESIGN DEAD LOADS:

- ACTUAL MATERIAL LOADS 5PSF
- COLLATERAL 10 PSF

4. WIND DESIGN CRITERIA:

- PER ASCE 7-16 METHOD 1 SIMPLIFIED PROCEDURE
- ENCLOSED BUILDING
- $V = 108 \text{ MPH}$, EXPOSURE B
- $KD=0.85$, $KZ=1.00$, $IW=1.0$
- ROOF UPLIFT = SEE UPLIFT PLAN

5. SEISMIC DESIGN CRITERIA:

- SITE CLASS D, $SDS = 0.076$, $SDI = 0.077$
- SEISMIC DESIGN CATEGORY B

6. STRUCTURAL DRAWINGS ARE INTENDED TO BE USED WITH ARCHITECTURAL, PLUMBING, HVAC AND ELECTRICAL DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR COORDINATING SUCH REQUIREMENTS INTO THE SHOP DRAWINGS AND WORK.

7. NO OPENING (OTHER THAN THOSE SHOWN ON THE DRAWINGS) SHALL BE MADE IN ANY BEAM, COLUMN, OR OTHER STRUCTURAL MEMBER WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECT/ENGINEER.

8. THE CONTRACTOR IS RESPONSIBLE FOR LIMITING THE AMOUNT OF CONSTRUCTION LOAD IMPOSED UPON NEW OR EXISTING STRUCTURAL FRAMING. CONSTRUCTION LOADS SHALL NOT EXCEED THE DESIGN CAPACITY OF THE FRAMING AT THE TIME THE LOADS ARE IMPOSED.

9. PRESUMED SOIL BEARING CAPACITY = 2000 PSF.

10. THE STRUCTURE IS DESIGNED TO FUNCTION AS A UNIT UPON COMPLETION. THE CONTRACTOR IS RESPONSIBLE FOR DESIGNING AND FURNISHING ALL TEMPORARY BRACING AND/ OR SUPPORT THAT MAY BE REQUIRED AS THE RESULT OF THE CONTRACTOR'S CONSTRUCTION METHODS AND/OR SEQUENCES. THE STRUCTURAL ENGINEER ASSUMES NO LIABILITY FOR THE STRUCTURE DURING CONSTRUCTION.

11. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION. NOTIFY THE OWNER'S REPRESENTATIVE OF ANY DISCREPANCY IMMEDIATELY. INFORMATION PERTAINING TO EXISTING FIELD CONDITIONS GIVEN ON THESE STRUCTURAL DRAWINGS REPRESENTS TO THE BEST OF OUR KNOWLEDGE, THE ACTUAL EXISTING FIELD CONDITIONS. JEWELL ASSOCIATES MAKES NO WARRANTY AS TO THEIR ACCURACY. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS IMPERATIVE TO THE NEW CONSTRUCTION AND REPORT DISCREPANCIES BETWEEN THE DRAWINGS AND FIELD CONDITIONS TO THE A/E FOR REVIEW. ANY WORK PERFORMED PRIOR TO RESOLUTION OF DISCREPANCIES BY THE A/E IS SUBJECT TO REMOVAL AND REPLACEMENT AT NO ADDITIONAL COST TO THE CONTRACT.

12. CONTRACTOR NOTE: THE BASE OF ALL EXCAVATIONS SHALL BE KEPT FREE OF WATER AND LOOSE SOIL PRIOR TO PLACING CONCRETE. CARE SHOULD BE TAKEN DURING EXCAVATION AND CONSTRUCTION TO MINIMIZE DISTURBANCE OF THE BEARING SOILS. THE CONCRETE SHOULD BE PLACED AS SOON AS POSSIBLE AFTER EXCAVATION TO PREVENT EXCESSIVE DRYING OR WETTING OF THE EXCAVATION.

13. FOR APPLICABLE CODES AND STANDARDS, MATERIAL STRENGTHS AND CONSTRUCTION REQUIREMENTS, SEE GENERAL STRUCTURAL NOTES AND SPECIFICATIONS.

14. VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO START OF CONSTRUCTION - RESOLVE ANY DISCREPANCY WITH ARCHITECT. DO NOT SCALE DRAWINGS.

15. FOR CLARITY, ALL EXTERIOR SLABS AND SIDEWALKS MAY NOT BE SHOWN. FOR EXACT DIMENSIONS, LOCATIONS, JOINTS AND SCORE LINES, SEE ARCHITECTURAL DRAWINGS.

16. FOR CLARITY, ALL ROOF, FLOOR AND WALL OPENINGS MAY NOT BE SHOWN ON STRUCTURAL DRAWINGS. FOR EXACT SIZE, NUMBER AND LOCATION OF OPENINGS, SEE ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS. FOR FRAMING AT OPENINGS, SEE TYPICAL STRUCTURAL DETAILS. VERIFY ALL SIZES, WEIGHTS AND LOCATIONS OF MECHANICAL AND ELECTRICAL EQUIPMENT, DUCTS, ETC. WITH MECHANICAL AND ELECTRICAL ENGINEERS THROUGH ARCHITECT.

17. DETAILS MARKED "TYPICAL" MAY OR MAY NOT BE CUT ON PLANS, BUT SHALL APPLY UNLESS NOTED OTHERWISE.

1. PERFORM FORMWORK, SHORING AND BRACING IN ACCORDANCE WITH ACI 301, ACI 318 AND ACI 347 TO CONFORM TO DESIGN AND APPLICABLE CODE REQUIREMENTS TO ACHIEVE CONCRETE SHAPE, LINE AND DIMENSION AS INDICATED ON DRAWINGS.

2. PERFORM AND FABRICATE CONCRETE REINFORCING WORK IN ACCORDANCE WITH ACI 301, ACI 315, ACI 318.

- PERFORM CAST-IN-PLACE CONCRETE WORK IN ACCORDANCE WITH ACI 301, ACI 318, ACI 305, AND ACI 306.1.

3. SUBMITTALS:

- SHOP DRAWINGS: INDICATE PERTINENT DIMENSIONING, FORM MATERIALS, ARRANGEMENT OF JOINTS AND TIES, REINFORCEMENT SIZES, SPACINGS, LOCATIONS, AND QUANTITIES, BENDING AND CUTTING SCHEDULES, SUPPORTING AND SPACING DEVICES, SIDEWALKS, AND SLABS-ON-GRADE.
- PRODUCT DATA: INDICATE ADMIXTURES AND ANCHORS
- DESIGN DATA: SUBMIT MIX DESIGNS

4. FIRE RATED CONSTRUCTION: RATING AS INDICATED ON DRAWINGS.

- TESTED RATING: DETERMINED IN ACCORDANCE WITH ASTM E119.
- PRESCRIPTIVE RATING: DETERMINED IN ACCORDANCE WITH APPLICABLE CODE.

5. FORM MATERIALS

- PLYWOOD: SOUND UNDAMAGED SHEETS WITH CLEAN TRUE EDGES.
- LUMBER: SPF SPECIES; CONSTRUCTION GRADE.
- PREFABRICATED STEEL TYPE: TIGHT FITTING, STIFFENED TO SUPPORT WEIGHT OF CONCRETE.
- PAN TYPE: STEEL; OF SIZE AND PROFILE REQUIRED.
- TUBULAR COLUMN TYPE: ROUND, SPIRALLY WOUND LAMINATED MATERIALS, INSIDE SURFACE TREATED WITH RELEASE AGENT, OF SIZE REQUIRED.

6. FORM TIES: METAL TYPE OF FIXED LENGTH.

7. WATER STOPS: BENOTITE, MAXIMUM POSSIBLE LENGTHS, PROFILED AS REQUIRED FOR PROJECT CONDITIONS. INSTALL WATER STOPS CONTINUOUS WITHOUT DISPLACING REINFORCEMENT.

8. VAPOR RETARDER:

- SEE CONCRETE SLAB SCHEDULE.
- INSTALL VAPOR RETARDER UNDER INTERIOR SLABS ON GRADE IN ACCORDANCE WITH ASTM E1643.
- LAP JOINTS MINIMUM 6 INCHES AND SEAL WATERTIGHT.
- REPAIR DAMAGED VAPOR RETARDER WITH VAPOR RETARDER MATERIAL, LAP OVER DAMAGED AREAS MINIMUM 6 INCHES AND SEAL WATERTIGHT.

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, PREMOLDED 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
• LAP 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: SIZED AND SHAPED FOR SUPPORT OF REINFORCING; PLASTIC TIPPED OR NON-CORRODING FOR SUPPORTS IN SLABS FORMING FINISHED CEILINGS OR WHERE SUPPORTS ARE EXPOSED TO WEATHER.

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
SLEEVE. VERIFY SIZE AND NUMBER WITH MECHANICAL, ELECTRICAL, AND PLUMBING CONTRACTORS.
76. ALUMINUM CONDUIT IS NOT PERMITTED TO BE EMBEDDED IN CONCRETE.
77. PROVIDE 2" CLEAR COVER TO REINFORCING UNLESS NOTED OTHERWISE.

1. PROPOSED FILL SHALL CONTAIN NO VEGETATION, ROOTS, TOPSOIL, PEAT, ASH, WOOD, OR ANY OTHER NON-SOIL MATERIAL WHICH BY DECOMPOSITION MIGHT CAUSE SETTLEMENT. FILL SHALL NOT BE PLACED WHILE FROZEN OR ON FROZEN SURFACES. ROCKS, STONES AND CONCRETE LARGER THAN 6 INCHES SHALL NOT BE PLACED WITHIN 10 FEET OF THE BUILDING AREA. FILL USED GREATER THAN 10 FEET BEYOND THE BUILDING LIMITS SHALL NOT CONTAIN ROCK, BOULDERS, OR CONCRETE PIECES GREATER THAN 2 SQ FT AREA AND SHALL NOT BE PLACED WITHIN 2 FEET BELOW SUBGRADE. FINER MATERIAL SHALL BE USED TO FILL VOIDS AROUND LARGER MATERIAL.
2. STRUCTURAL BACKFILL MATERIAL SHALL MEET THE FOLLOWING:
 - 2.1 MAXIMUM PARTICLE SIZE: NOT MORE THAN 1/8 SUBBASE THICKNESS
 - 2.2 PERCENT PASSING NO. 200 SIEVE: 15%
 - 2.3 PLASTICITY INDEX: 6 MAXIMUM
 - 2.4 LIQUID LIMIT: 25 MAXIMUM

SIEVE SIZE	MAXIMUM % PASSING BY WEIGHT
NO. 4 (4.75 MM)	100
NO. 40 (0.425 MM)	75
NO. 100 (0.15 MM)	15
NO. 200 (0.075 MM)	8

4. DEPOSIT, SPREAD, AND LEVEL THE GRANULAR BACKFILL MATERIAL IN LAYERS NO THICKER THAN 6 INCHES BEFORE COMPACTION. COMPACT EACH LAYER OF THE EMBANKMENT UNTIL THE COMPACTION EQUIPMENT ACHIEVES NO FURTHER SIGNIFICANT CONSOLIDATION. PROVIDE THE REQUIRED COMPACTION FOR EACH LAYER BEFORE PLACING ANY MATERIAL FOR A SUCCEEDING LAYER. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL NECESSARY COMPACTION EQUIPMENT AND OTHER GRADING EQUIPMENT THAT MAY BE REQUIRED TO ATTAIN THE SPECIFIED COMPACTION. HAND GUIDED VIBRATORY OR TAMPING COMPACTORS WILL BE REQUIRED WHENEVER FILL IS PLACED ADJACENT TO WALLS, FOOTINGS, COLUMNS OR IN CONFINED AREAS.

- | | |
|-----------------------|----------------------------------|
| -SUBSOIL BACKFILL: | MAXIMUM 8 INCHES COMPACTED DEPTH |
| -STRUCTURAL BACKFILL: | MAXIMUM 6 INCHES COMPACTED DEPTH |
| -GRANULAR BACKFILL: | MAXIMUM 6 INCHES COMPACTED DEPTH |

LOCATION	REQUIRED MATERIAL	MAX. COMPACTED LIFT THICKNESS	MIN. PROCTOR COMPACTION	MIN. RELATIVE DENSITY
AREAS BENEATH FOOTINGS, FLOOR SLABS, OR STRUCTURES	STRUCTURAL BACKFILL	6"	95% MODIFIED	70%
FOOTING, FOUNDATION, AND STRUCTURE BACKFILL	STRUCTURAL BACKFILL	6"	95% MODIFIED	70%
AREAS WITHIN 10' OF AN EXISTING OR PROPOSED BUILDING OR STRUCTURE FOOTING OR SLAB	GRANULAR BACKFILL	8"	90% MODIFIED	60%

MIN. RELATIVE DENSITY AS DETERMINED BY ASTM D-4253-00 FOR COARSE-GRAINED SOILS WITH LESS THAN 15% BY MASS PASSING THE NO. 200 SIEVE. APPLICABLE ONLY WHEN MIN. PROCTOR COMPACTION CANNOT BE ACHIEVED.

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PLAN REVIEW

8-14-2026

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Drawing Name

Structural Notes

Project number S58136	Sheet number S0.0
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SHOP-FABRICATED WOOD TRUSSES

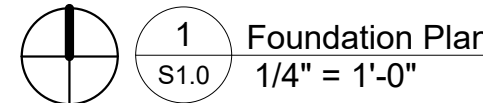
- SECTION INCLUDES SHOP FABRICATED WOOD TRUSSES FOR ROOF AND FLOOR FRAMING; BRIDGING, BRACING, AND ANCHORAGE; AND PRESERVATIVE TREATMENT OF WOOD.
- DESIGN TO APPLICABLE ROOF LIVE LOADS
 - A. ROOF LIVE = 20 PSF
 - B. SNOW = SEE GENERAL NOTES
 - C. WITH LIVE LOAD DEFLECTION LIMITED TO 1:360 OF SPAN.
- DESIGN APPLICABLE ROOF DEAD LOAD
 - A. ACTUAL MATERIAL DEAD LOADS
 - B. COLLATERAL - SEE GENERAL NOTES
 - C. WITH TOTAL LOAD DEFLECTION LIMITED TO 1:240 OF SPAN INCLUDING CEILING LOAD.
- DESIGN WIND UPLIFT
 - A. DESIGN ROOF WIND UPLIFT LOAD = SEE GENERAL NOTES
 - B. DESIGN ROOF OVERHANG WIND UPLIFT LOAD = SEE GENERAL NOTES
 - C. WITH DEFLECTION LIMITED TO 1:240 OF SPAN. LOAD IS TO BE APPLIED IN COMBINATION WITH 50 PERCENT OF DEAD LOAD.
- PROVIDE TRUSS OPENINGS TO ACCOMMODATE MECHANICAL DUCTS.
- SUBMITTALS:
 - SHOP DRAWINGS: INDICATE SIZES AND SPACING OF TRUSSES AND ASSOCIATED COMPONENTS, WEB AND CHORD SIZES, PLATE SIZES, FASTENER DESCRIPTIONS AND SPACINGS, LOADS AND TRUSS CAMBERS, FRAMED AND OPENINGS. SUBMIT STAMPED DESIGN CALCULATIONS.
 - PRODUCT DATA: PROVIDE TRUSS CONFIGURATIONS, BEARING AND ANCHOR DETAILS, BRIDGING AND BRACING.
- PERFORM WORK IN ACCORDANCE WITH THE FOLLOWING:
 - LUMBER GRADING AGENCY: CERTIFIED BY DOC PS 20.
 - WOOD STRUCTURAL PANEL GRADING AGENCY: CERTIFIED BY EWA - THE ENGINEERED WOOD ASSOCIATION.
 - LUMBER: DOC PS 20.
 - WOOD STRUCTURAL PANELS: DOC PS 1 OR DOC PS 2.
 - TRUSS DESIGN, FABRICATION, AND INSTALLATION: IN ACCORDANCE WITH TPI 1.
- FIRE RATED CONSTRUCTION: RATING AS INDICATED ON DRAWINGS.
 - TESTED RATING: DETERMINED IN ACCORDANCE WITH ASTM E119.
- MANUFACTURER: COMPANY SPECIALIZING IN MANUFACTURING SHOP FABRICATED WOOD TRUSSES WITH MINIMUM THREE YEARS EXPERIENCE.
- DESIGN TRUSSES UNDER DIRECT SUPERVISION OF PROFESSIONAL ENGINEER EXPERIENCED IN DESIGN OF THIS WORK AND LICENSED AT PROJECT LOCATION. SUBMIT STAMPED CALCULATIONS AND LAYOUT DRAWINGS FOR SUBMISSION TO THE STATE OF WISCONSIN
- LUMBER GRADING RULES: WPPA G-5.
- WOOD MEMBERS: SINGLE TOP AND BOTTOM CHORD, DFL SPECIES #2 GRADE OR BETTER. 19 PERCENT MAXIMUM AND 7 PERCENT MINIMUM MOISTURE CONTENT.
- STEEL PLATE CONNECTORS SHALL BE TPI 1, SECTION 6; HOT DIP, GALVANIZED; DIE STAMPED WITH INTEGRAL TEETH.
- TRUSS BRIDGING: TYPE, SIZE AND SPACING RECOMMENDED BY TRUSS MANUFACTURER.
- WOOD BLOCKING SHALL BE SOFTWOOD LUMBER, S/P/F SPECIES, CONSTRUCTION GRADE, 19 PERCENT MAXIMUM AND 7 PERCENT MINIMUM MOISTURE CONTENT.
- FASTENERS AND ANCHORS:
 - FASTENERS: HOT DIPPED GALVANIZED STEEL FOR HIGH HUMIDITY AND TREATED WOOD LOCATIONS, UNFINISHED STEEL ELSEWHERE.
 - NAILS AND STAPLES: ASTM F1667.
 - ANCHORS: TOGGLE BOLT TYPE FOR ANCHORAGE TO HOLLOW MASONRY. EXPANSION SHIELD AND LAG BOLT TYPE FOR ANCHORAGE TO SOLID MASONRY OR CONCRETE. BOLT OR BALLISTIC FASTENER FOR ANCHORAGES TO STEEL.
- FABRICATE TRUSSES TO ACHIEVE STRUCTURAL REQUIREMENTS SPECIFIED.
- FURNISH BOTTOM AND TOP CHORD EXTENSIONS AS INDICATED ON DRAWINGS.
- FABRICATE TO ACHIEVE MINIMUM END BEARING OF:
 - 3 1/2 INCHES ON STEEL.
 - 3 1/2 INCHES ON MASONRY.
 - 5 1/2 INCHES ON WOOD.
- FRAME SPECIAL SIZED OPENINGS IN WEB FRAMING AS REQUIRED BY MECHANICAL SYSTEMS.
- VERIFY SUPPORTS AND OPENINGS ARE READY TO RECEIVE TRUSSES.
- COORDINATE PLACEMENT OF BEARING SUPPORT ITEMS.
- SET MEMBERS LEVEL AND PLUMB, IN CORRECT POSITION.
- MAKE PROVISIONS FOR ERECTION LOADS, AND FOR SUFFICIENT TEMPORARY BRACING TO MAINTAIN STRUCTURE PLUMB, AND IN INDICATED ALIGNMENT UNTIL COMPLETION OF ERECTION AND INSTALLATION OF PERMANENT BRACING
- DO NOT FIELD CUT OR ALTER STRUCTURAL MEMBERS WITHOUT APPROVAL OF ARCHITECT/ENGINEER.
- PLACE HEADERS AND SUPPORTS TO FRAME OPENINGS.
- COORDINATE PLACEMENT OF DECKING SHEATHING WITH WORK OF THIS SECTION.
- AFTER ERECTION, TOUCH-UP DAMAGED SURFACES WITH PRIMER CONSISTENT WITH SHOP COAT.
- BRUSH APPLY TWO COATS OF PRESERVATIVE TREATMENT ON WOOD IN CONTACT WITH CEMENTITIOUS MATERIALS AND ROOFING AND RELATED METAL FLASHINGS. TREAT SITE-SAWN CUTS.
- ALLOW PRESERVATIVE TO DRY PRIOR TO ERECTING MEMBERS.

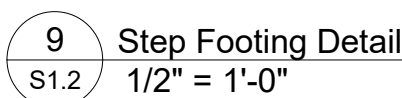
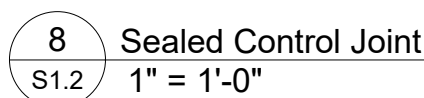
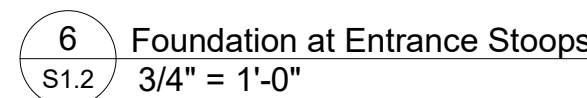
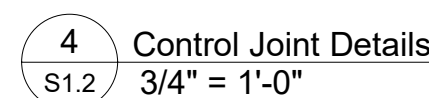
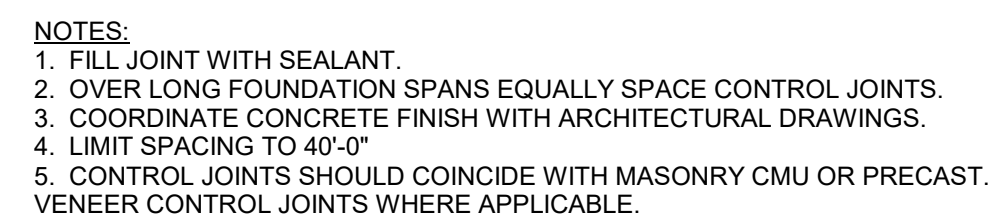
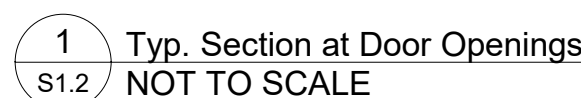
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PLAN REVIEW

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Project number S58136	Sheet number S1.2
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Diagram illustrating the unbalanced snow loading on a roof. The roof is divided into two sections: a 18' section with a snow load of 9 PSF and a 12' section with a snow load of 30 PSF. The 30 PSF load is applied over a width of 8.59' from the right edge, leaving a 3.41' gap from the right edge.

Section	Width (ft)	Snow Load (PSF)
Left Section	18'	9 PSF
Right Section	12'	30 PSF

Unbalanced Snow
 $1/4" = 1'-0"$

A

30" MIN. VERTICAL CLEAR SPACE ABOVE ACCESS HATCH

3/4" PLYWOOD SHEETS ON (4) SIDES VERTICAL 18" TALL TO FORM SHAFT ABOVE ATTIC ACCESS OPENING

ROOF TRUSS

WOOD TRIM (ALL 4 SIDES SURROUNDING OPENING)

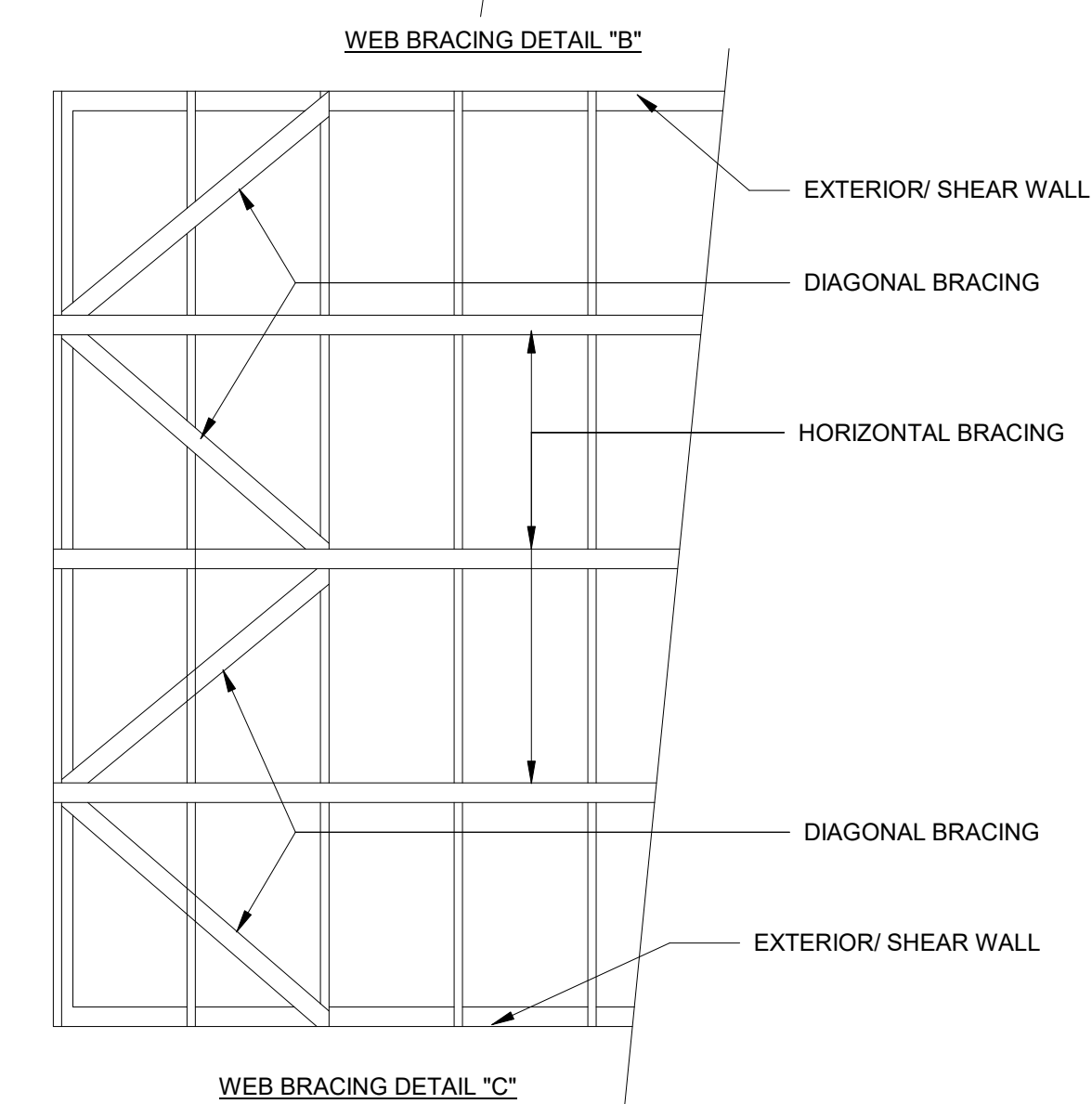
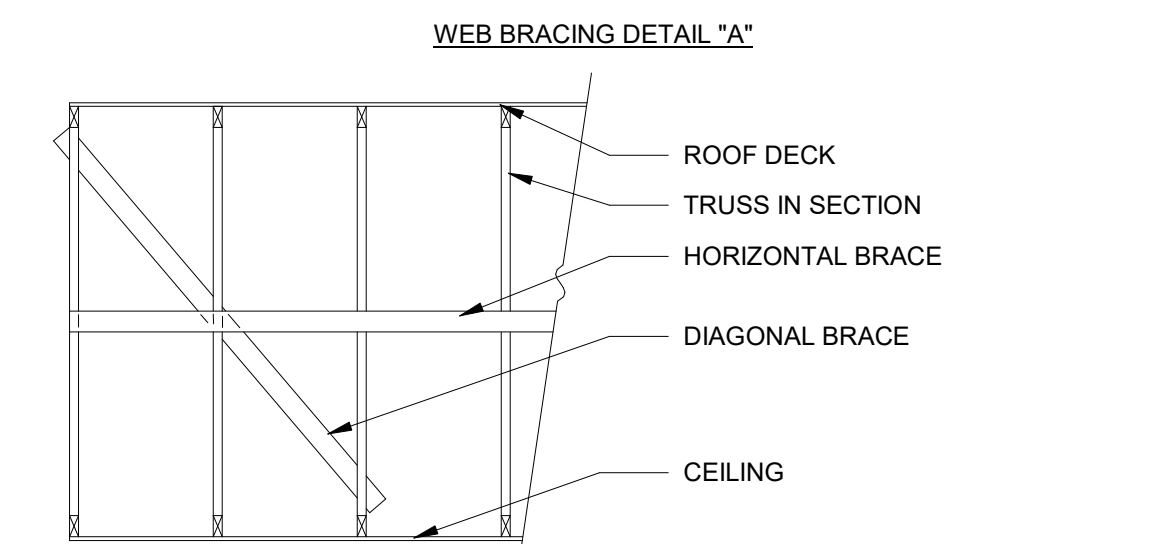
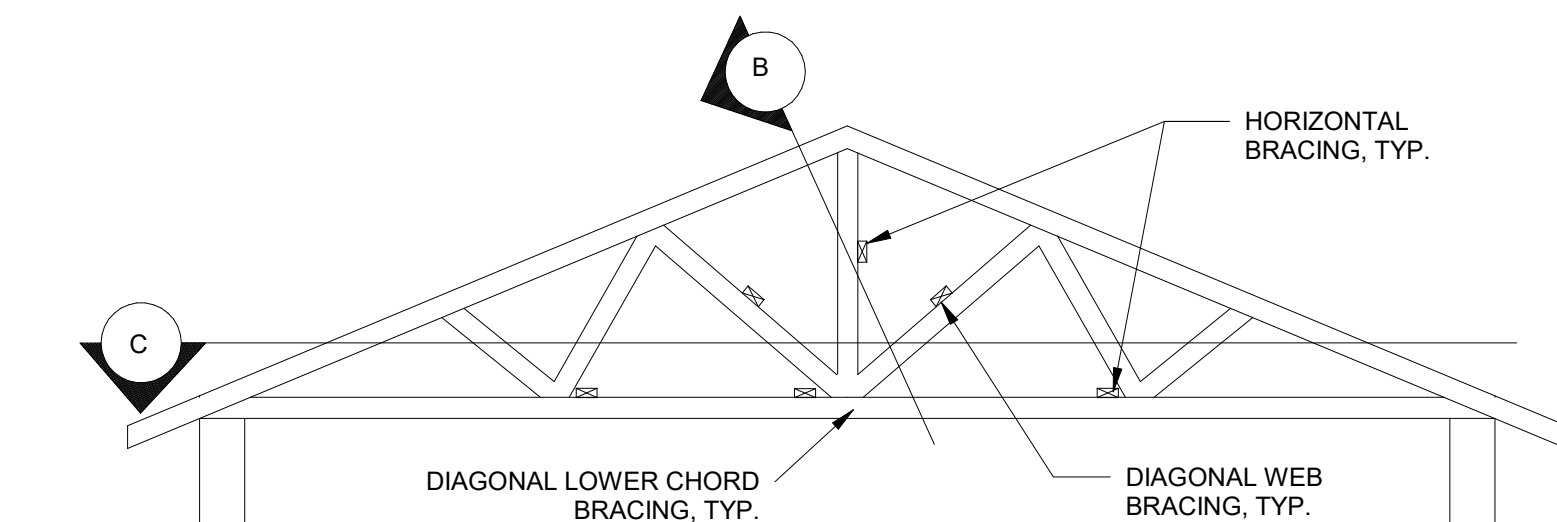
ATTIC ACCESS OPENING: MINIMUM CLEAR 20" X 30"

METAL CEILING LINER PANEL

3/4" PLYWOOD W/ RIGID INSULATION (R50) ADHERED TO UPPER FACE W/ WEATHERSTRIPPING & LATCHES INTO WOOD TRIM

ROOF TRUSS BRACING NOTES

1. ALL BRACING SHOWN OR DESCRIBED SHALL BE A MINIMUM 2 X 4 WITH 2 16d IN EVERY TRUSS IT CROSSES.
2. ALL TRUSS TOP CHORDS SHALL BE BRACED BY THE ROOF DECKING.
3. ALL TRUSS WEB MEMBERS SHALL BE BRACED AT 4'-0" O.C. UNLESS CALCULATIONS SHOW OTHERWISE.
4. ALL HORIZONTAL BRACING SHALL BE STIFFENED AT 20'-0" O.C. WITH EITHER:
 - A. DIAGONAL BRACING EXTENDED TO A BEAR WALL OR SHEAR WALL OR TO THE ORIGINAL BRACING. SEE BRACING DETAILS.
 - B. A 1/2" PLYWOOD SHEET EXTENDED TO ROOF DECK OR BEAR WALL.
5. 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)
6. WEB BRACING DETAIL IS PROVIDED TO SHOW THE INTENT OF BRACING LOCATIONS. TRUSS MANUFACTURER TO PROVIDE DETAIL BRACING INSTRUCTION TO BE USED TO COORDINATE WITH THE BRACING DETAIL. SEE BRACING DETAILS INCLUDING REQUIREMENTS FOR MECHANICAL DUCT CHASES AS NOTED ON THE STRUCTURAL AND MECHANICAL DRAWINGS.



5 ROOF TRUSS NOTES
S3.0 NOT TO SCALE

S&D Builders
Upland Hills Storage Building
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PLAN REVIEW

8-14-2026

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Drawing Name
Roof Uplift Plan
and Roof
Framing Plan

Project number S58136	Sheet number S3.0
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