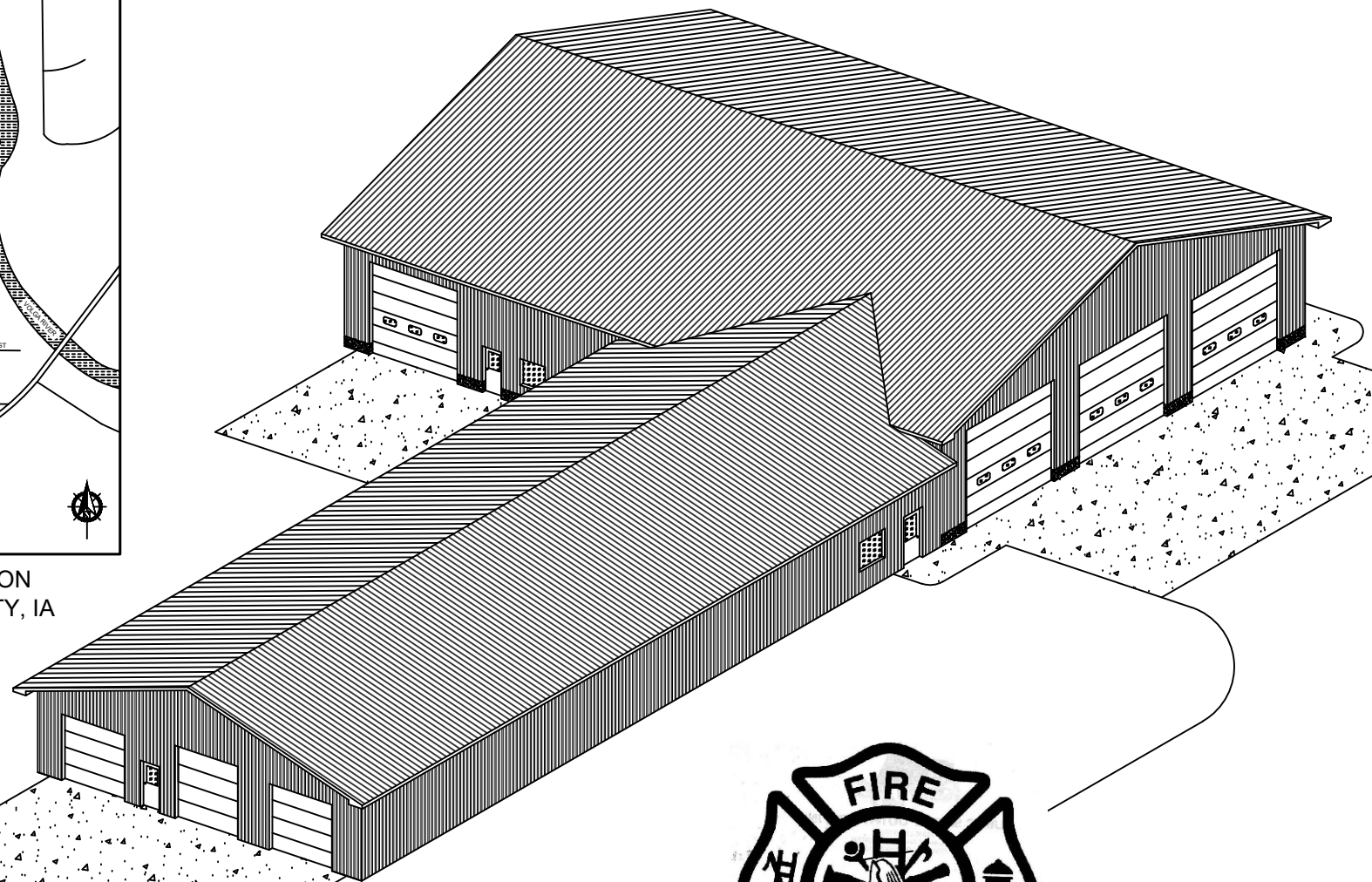
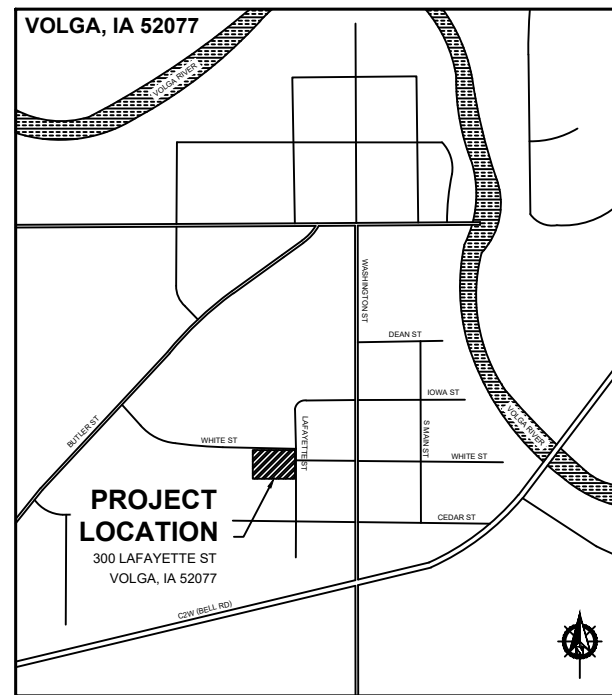


VOLGA FIRE DEPARTMENT 2020 STATION EXPANSION

300 LAFAYETTE ST
VOLGA, IA 52077

PROJECT LOCATION MAP:



DRAWING SHEET INDEX:

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CIVIL		PLUMBING
C- 101	SITE DEMOLITION PLAN	P- 101 PLUMBING PLAN
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CODES AND STANDARDS:

ZONING CODE..... CITY OF VOLGA ZONING CODE
 BUILDING CODE..... INTERNATIONAL BUILDING CODE (2015)
 ENERGY CODE..... IOWA STATE ENERGY CODE
 MECHANICAL CODE..... INTERNATIONAL MECHANICAL CODE (2015)
 ELECTRICAL CODE..... NATIONAL ELECTRIC CODE (2014)
 PLUMBING CODE UNIFORM PLUMBING CODE (2015)

CERTIFICATIONS:

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**VOLGA FIRE DEPARTMENT
 2020 STATION EXPANSION**
 300 LAFAYETTE ST
 VOLGA, IA 52077

PROJECT:	CEE 4850
DATE:	11/17/2020
DRAWN BY:	Mitch Vogt
REVISION:	
SHEET NAME	COVER SHEET
SHEET NO.	XX

ABBREVIATIONS

4	AND	EXP.	EXPANSION	FL.	PLATE
∠	ANGLE	EXT.	EXTERIOR	FLAM.	PLASTIC LAMINATE
—	CENTERLINE	EXIST.	EXISTING	PLYWD.	PLYWOOD
°	DEGREES	F.D.	FLOOR DRAIN	PR.	PAIR
⊙	DIAMETER OR ROUND	FDN.	FOUNDATION	P.T.	PRESSURE TREATED
⊥	PERPENDICULAR	F.E.	FIRE EXTINGUISHER	PAPER TOWEL DISPENSER	
#	PLATE	F.E.C.	FIRE EXTINGUISHER CAB.	COMBINATION PAPER TOWEL DISPENSER / RECEPTACLE	
sq.	FOUND OR NUMBER	F.H.C.	FIRE HOSE CABINET	PARTITION	
sq.	SQUARE	FIN.	FINISH	QUARRY TILE RISER	
A.B.	ANCHOR BOLT	FLR.	FLOOR	RAD.	RADIUS
ACOUST.	ACOUSTICAL	FLUOR.	FLUORESCENT	ROOF DRAIN	
ADJ.	ADJUSTABLE	F.O.C.	FACE OF CONCRETE	REFRIGERATOR OR REFERENCE	
A.F.F.	ABOVE FINISH FLOOR	F.O.F.	FACE OF FINISH	REINFORCED	
ALT.	ALTERNATE	F.O.S.	FACE OF STUDS	REQUIRED	
ALUM.	ALUMINUM	FT.	FOOT OR FEET	REQUIREMENTS	
A.N.S.I.	AMERICAN NATIONAL STANDARDS INSTITUTE	FTG.	FOOTING	RESILIENT	
ARCH.	ARCHITECTURAL	GA.	GAUGE	REVERSE	
ASPH.	ASPHALT	GALV.	GALVANIZED	ROOM	
A/V	AUDIO/VIDEO	GC	GENERAL CONTRACTOR	ROUGH OPENING	
BD.	BOARD	G.L.B.	GLUE LAMINATED BEAM	SOLID CORE	
BLDG.	BUILDING	G.M.U.	GLASS MASONRY UNIT	SEAT COVER DISPENSER	
BLK.	BLOCK	GYP.	GYPSUM	SCHEDULE	
BLKG.	BLOCKING	H.B.	HOSE BIB	SOAP DISPENSER	
BM.	BEAM	H.C.	HOLLOW CORE	SECTION	
B.O.	BOTTOM OF	HDR.	HEADER	SHT G.	SQUARE FEET
B.O.C.	BOTTOM OF CURB	H.M.	HOLLOW METAL	SIM.	SHEATHING
BRNG.	BEARING	HORIZ.	HORIZONTAL	S.M.	SIMILAR
BTM.	BOTTOM	HR.	HOUR	SND	SHEET METAL
CAB.	CABINET	HT.	HEIGHT	SNR	SANITARY NAPKIN DISPENSER
C.B.	CATCH BASIN	I.D.	INSIDE DIAMETER OR INSIDE DIMENSION	SPEC.	SANITARY NAPKIN RECEPTACLE
C.I.	CAST IRON	INSUL.	INSULATION	S.S.	SPECIFICATION
CJ	CONTROL JOINT	INT.	INTERIOR	STL.	STAINLESS STEEL
CLG.	CLOSET	JT.	JUNT	STOR.	STEEL
CLR.	CEILING	LAM.	LAMINATE	STRUCT.	STORAGE
CMU	CLEAR	LAV.	LAVATORY	SUSP. T.	STRUCTURAL
CO	CONCRETE MASONRY UNIT	LT.	LIGHT	TEL.	TONGUE AND GROOVE
COL.	CLEANOUT	MAX.	MAXIMUM	TEMP.	TELEPHONE
CONC.	COLUMN	M.B.	MACHINE BOLT	T.O.	TEMPERED
CONN.	CONCRETE	M.D.O.	MEDIUM DENSITY OVERLAY	T.O.C.	TOP OF
CONST.	CONNECT OR CONNECTION	MECH.	MECHANICAL	T.O.P.	TOP OF CURB
CONT.	CONSTRUCTION	MEMB.	MEMBRANE	T.O.P.	TOP OF PAVEMENT
COORD.	COORDINATE	MFR. OR MANUF.	MANUFACTURER	T.O.W.	TOP OF WALL
CORR.	CORRIDOR	M.H.	MAN HOLE	TPD	TOILET PAPER DISPENSER
CTR.	CORRIDOR	MIN.	MINIMUM	T.S.	TUBE STEEL
CUST.	CENTER	MISC.	MISCELLANEOUS	TYP.	TYPICAL
DBL.	CUSTODIAL	M.O.	MASONRY OPENING	UNIFORM BUILDING CODE	
D.F.	DOUBLE	MOD.	MODIFIED	UNLESS OTHERWISE NOTED	
DIA.	DIAMETER	BIT.	BITUMEN	VERT.	VERTICAL
DIAG.	DIAGONAL	MTL.	METAL	VEST.	VESTIBULE
DIM.	DRINKING FOUNTAIN	N.I.C.	NOT IN CONTRACT	V.P.	VENER PLASTER
DISP.	DIAMETER	NO. OR #	NUMBER	W/ W.C.	WITH WATER CLOSET
DN.	DOWN	NOM.	NOMINAL	WD.	WOOD
DR.	DISPENSER	N.T.S.	NOT TO SCALE	W.H.	WATER HEATER
D8	DOWN	O.C.	ON CENTER	W/O	WITHOUT
DTL.	DOWN	O.D.	OUTSIDE DIAMETER	WP.	WATERPROOF
DWG	DETAIL	O.F.C.I.	OWNER FURNISHED CONTRACTOR INSTALLED	WT.	WEIGHT
EJ	DRAWING	O.F.O.I.	OWNER FURNISHED OWNER INSTALLED		
EL.	EXPANSION JOINT	OPNG.	OPENING		
ELEC.	ELEVATION	OPP.	OPPOSITE		
ELEV.	ELECTRICAL	O.S.S.C.	OREGON STRUCTURAL SPECIALTY CODE		
EQ.	ELEVATOR				
	EQUAL				

STANDARD SYMBOLS

	INTERIOR ELEVATION TAG		DOOR TAG
	EXTERIOR ELEVATION TAG		KEYNOTE TAG
	BUILDING SECTION FLAG		SHEET NOTE TAG
	WALL SECTION FLAG		DEMOLITION NOTE TAG
	DETAIL FLAG		REVISION TAG
	DETAIL CALLOUT		WINDOW TYPE TAG
	NORTH ARROW		WALL TYPE TAG
	GRID BUBBLE & GRID LINE		CEILING HEIGHT TAG
			FLOOR PLAN ROOM LABEL # NUMBER
			ELEVATION TAG

GENERAL NOTES

- COORDINATE ALL WORK WITH ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.
- DO NOT SCALE DRAWINGS.
- CONTRACTOR AND SUB-CONTRACTORS SHALL FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS, LOCATIONS, AND PROJECT REQUIREMENTS PRIOR TO SUBMITTING A BID.
- CONTRACTOR AND SUB-CONTRACTORS SHALL FIELD VERIFY DIMENSIONS, AND FAMILIARIZE THEMSELVES WITH PROJECT REQUIREMENTS PRIOR TO COMMENCING WITH THE WORK. CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO ARCHITECT.
- WORK SHALL INCLUDE ALL REQUIRED PERMITS, LABOR, MATERIALS, AND EQUIPMENT TO COMPLETE ALL WORK INDICATED ON DRAWINGS AND AS NECESSARY FOR A COMPLETE PROJECT.
- PROVIDE TEMPORARY DUST-PROOF PARTITIONS AS REQUIRED TO PROTECT ALL EXIST. AREAS AND EQUIPMENT FROM DAMAGE DUE TO DEMOLITION OR NEW CONSTRUCTION ACTIVITIES. COORDINATE LOCATIONS AND REQUIREMENTS WITH OWNER.
- GENERAL CONTRACTOR TO PATCH, REPAIR AND PAINT (REFINISH) SURFACES AND BUILDING ELEMENTS DAMAGED BY MECHANICAL, ELECTRICAL, AND PLUMBING WORK AND WHERE ITEMS ARE REMOVED, RELOCATED OR ADDED.
- REPAIR FLOORS WHERE DAMAGED BY THE WORK OF THIS PROJECT.
- PATCH AND REPAIR ALL SURFACES TO MATCH EXISTING WHERE ITEMS ARE REMOVED OR ALTERED - FIELD VERIFY EXTENT REQUIRED.
- ALL PAINTING SHALL BE DONE IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS. CONTRACTOR IS RESPONSIBLE FOR PROTECTING ADJACENT FINISHES AND CLEANUP.
- CONTRACTOR IS RESPONSIBLE FOR FINAL CLEANUP OF WORK AREA AND ALL EXPOSED BUILDING SURFACES AT SUBSTANTIAL COMPLETION.
- ALL TRASH AND TOOLS SHALL BE REMOVED FROM PREMISES EACH DAY AND THE AREA LEFT CLEAN WHENEVER UNATTENDED. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANUP. COORDINATE WITH OWNER IF SECURE STORAGE IS NEEDED ONSITE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO FINISHED SURFACES, EQUIPMENT, FURNITURE, EXISTING MATERIALS OR FINISHES, CAUSED AS A RESULT OF HIS WORK. REPAIR OR REPLACE DAMAGED ITEMS AS DIRECTED BY ARCHITECT.
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH APPLICABLE CODES AND STANDARDS.

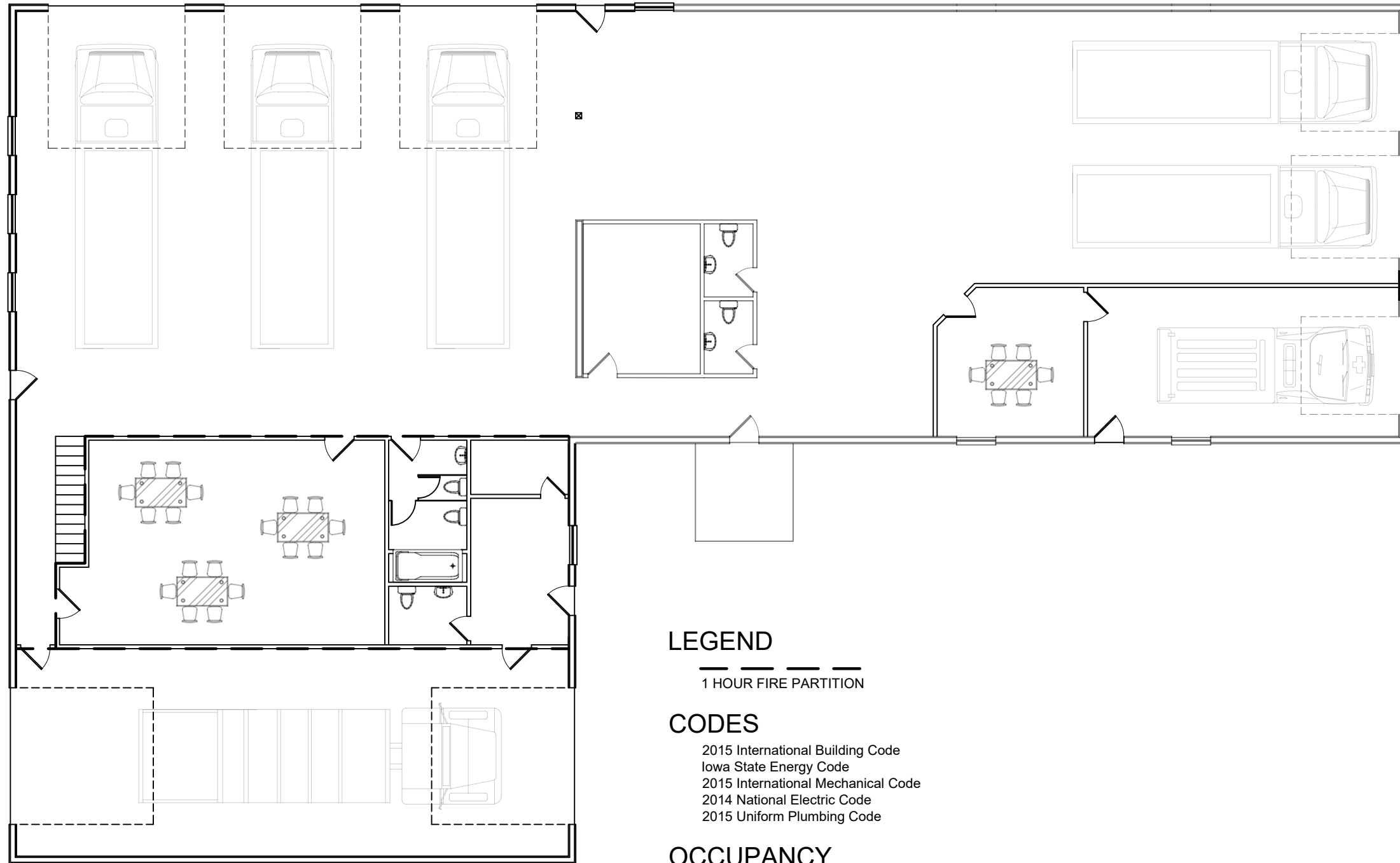


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 2020 STATION EXPANSION**
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 300 LAFAYETTE ST
 VOLGA, IA 52077

PROJECT:	CEE 4850
DATE:	11/17/2020
DRAWN BY:	Mitch Vogt
REVISION:	
SHEET NAME	NOTES
SHEET NO.	G-001



LEGEND

— — — — —
1 HOUR FIRE PARTITION

CODES

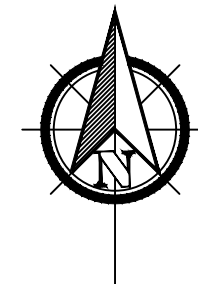
- 2015 International Building Code
- Iowa State Energy Code
- 2015 International Mechanical Code
- 2014 National Electric Code
- 2015 Uniform Plumbing Code

OCCUPANCY

Per 2015 IBC: U (No Mixed Occupancy Requirements)
Occupancy Separation/Protection: Unsprinklered

ALLOWABLE AREA - NEW ADDITION

PER TABLE 503: TOTAL SF/FLOOR = 22,104 SF



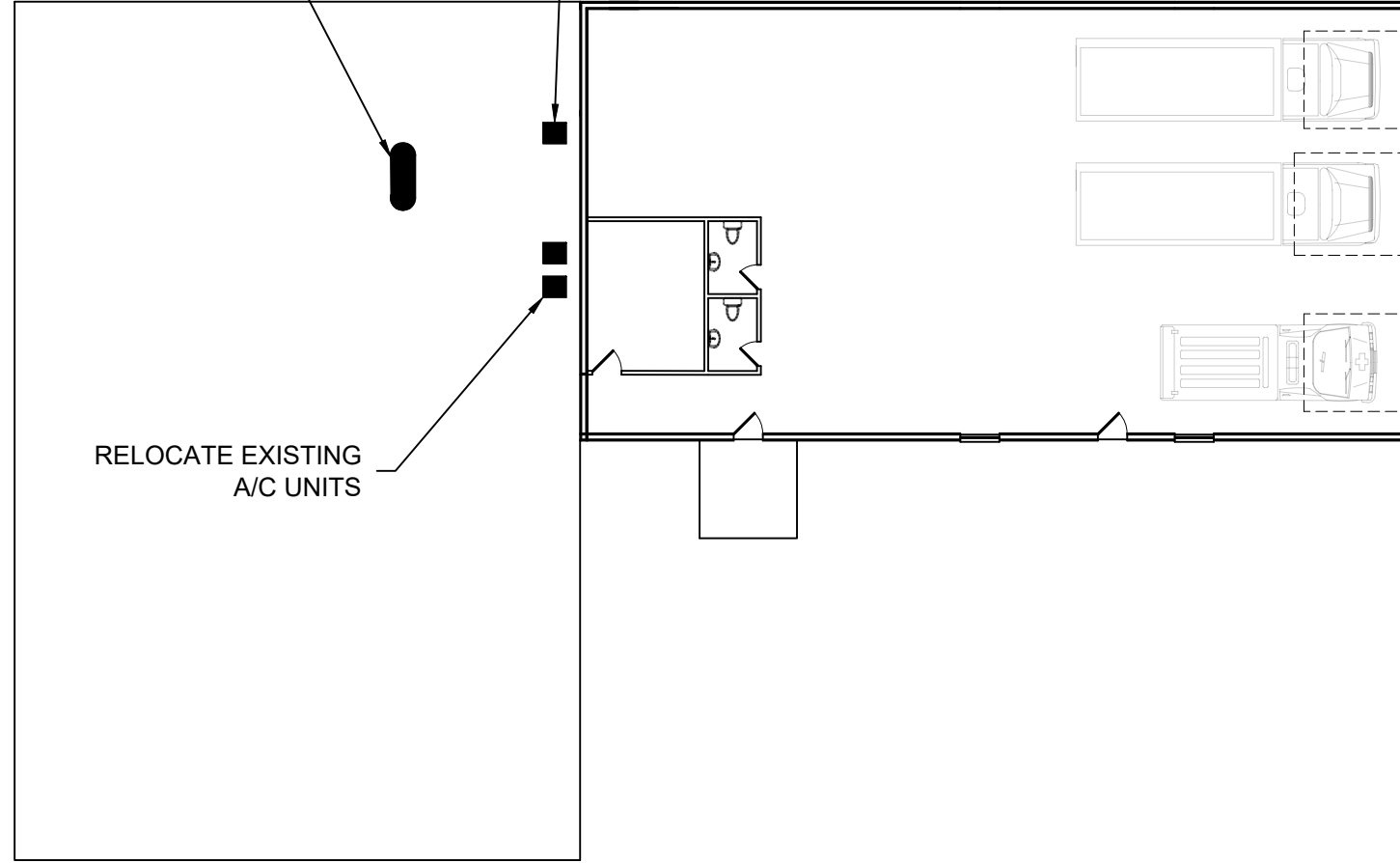
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WHITE STREET

RELOCATE EXISTING LP TANK

RELOCATE EXISTING GENERATOR

RELOCATE EXISTING A/C UNITS



LAFAYETTE STREET



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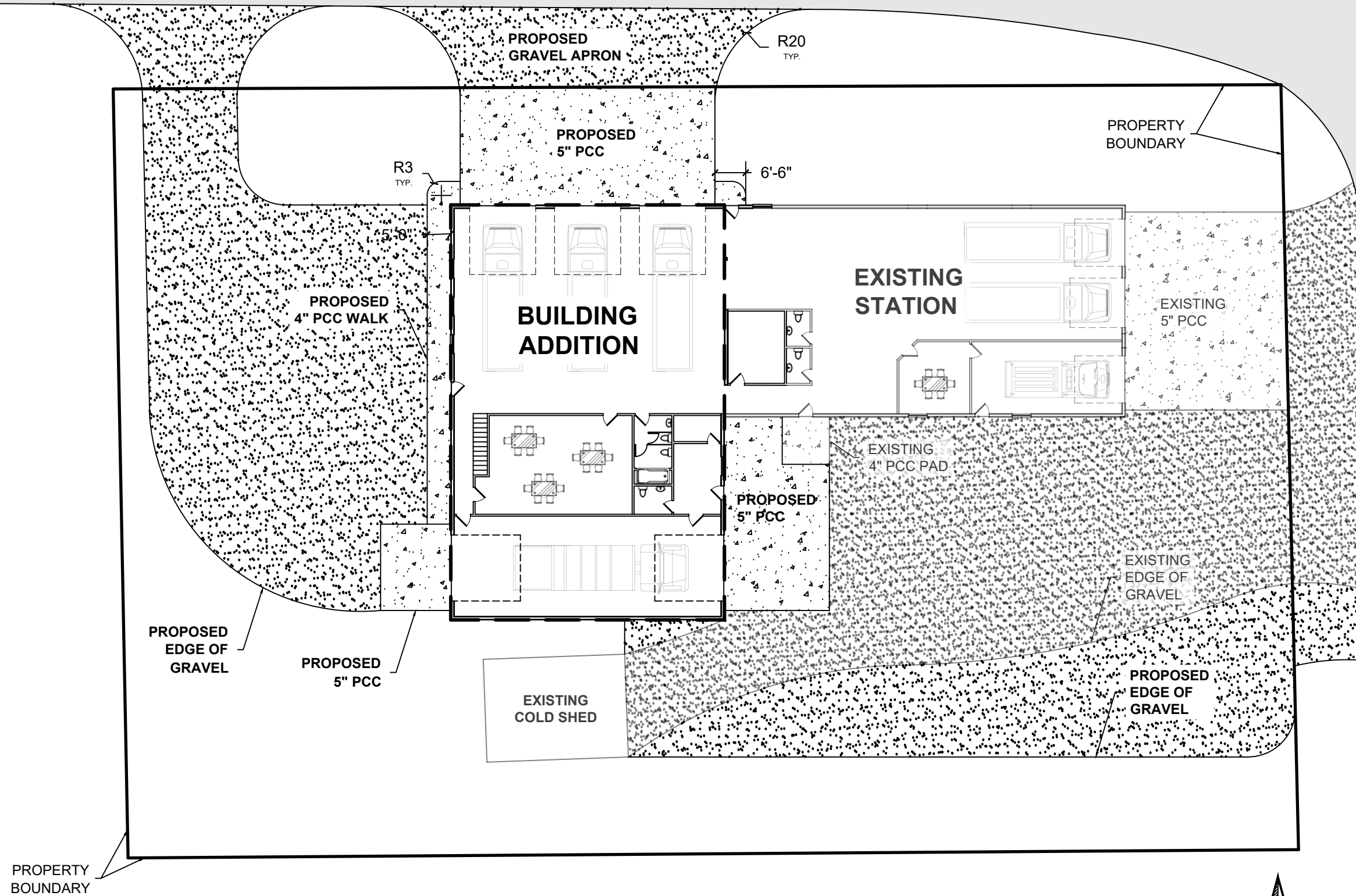
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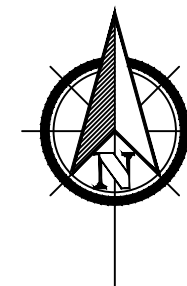
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 SHEET NAME
 SITE
 DEMOLITION PLAN

SHEET NO.
C-101

WHITE STREET



PROPERTY BOUNDARY



LAFAYETTE STREET



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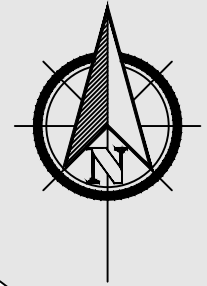
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 DRAWN BY: Mitch Vogt

REVISION:
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 SITE LAYOUT & PAVING PLAN

SHEET NO.
C-102

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WHITE STREET



POLE TO BE RELOCATED BY OTHERS

OVERHEAD ELECTRIC

NEW ELECTRICAL CONNECTION TO BLDG.

EXISTING FIRE HYDRANT (TO REMAIN)

34

EXISTING WATER SERVICE (TO REMAIN)

EXISTING SANITARY SERVICE (TO REMAIN)

LP GAS

PROPOSED 1" WATER SERVICE

PROPOSED 6" SANITARY SERVICE

PROPOSED CLEANOUT STRUCTURE

25



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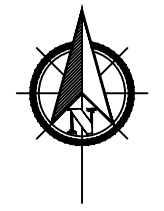
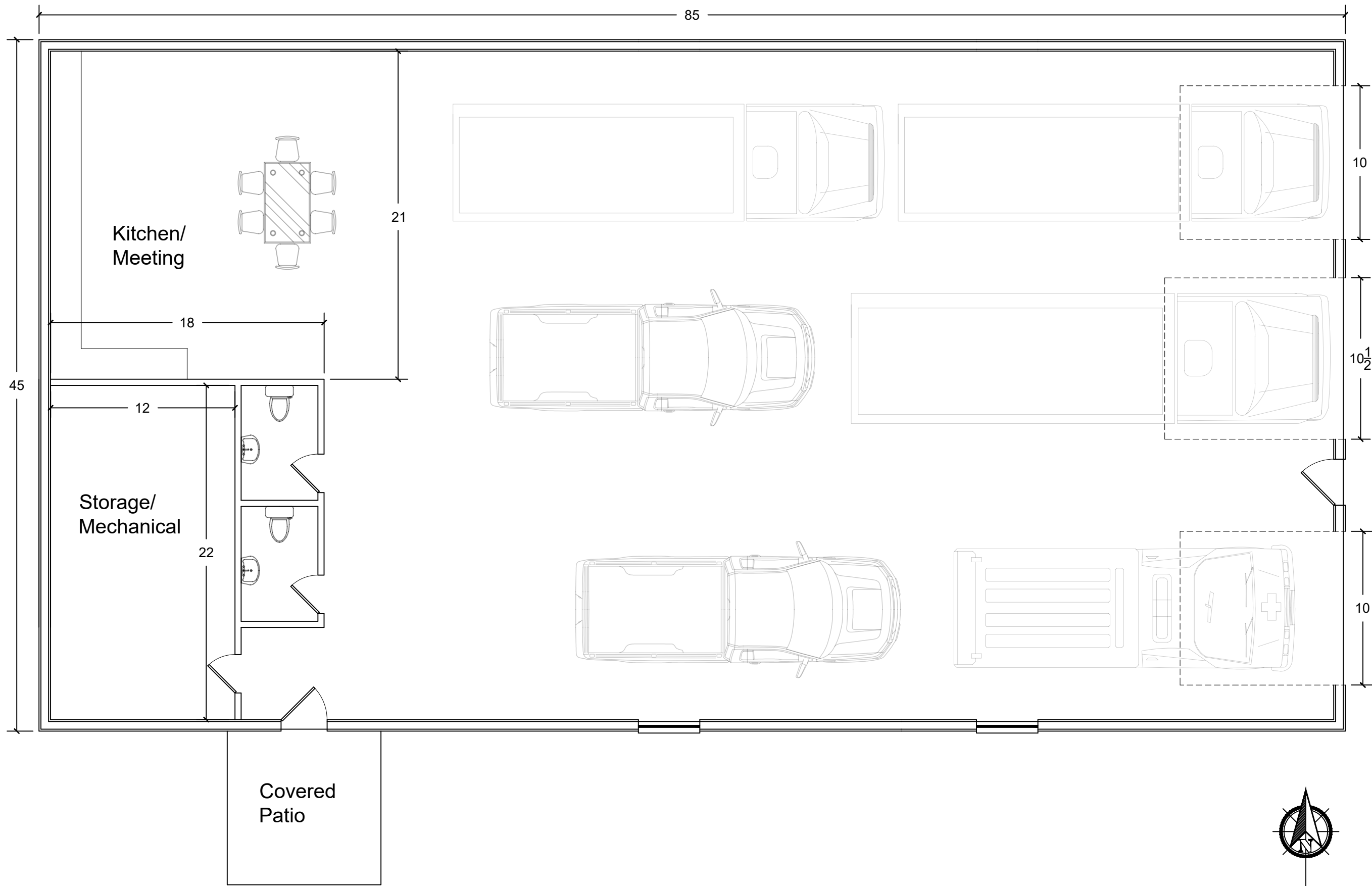
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DATE: 11/17/2020
DRAWN BY: Mitch Vogt

REVISION:
SHEET NAME
SITE UTILITY PLAN

SHEET NO.
C-201

LAFAYETTE STREET



PROJECT: CEE 4850

DATE: 11/17/2020

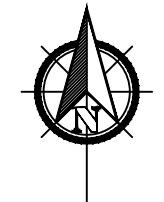
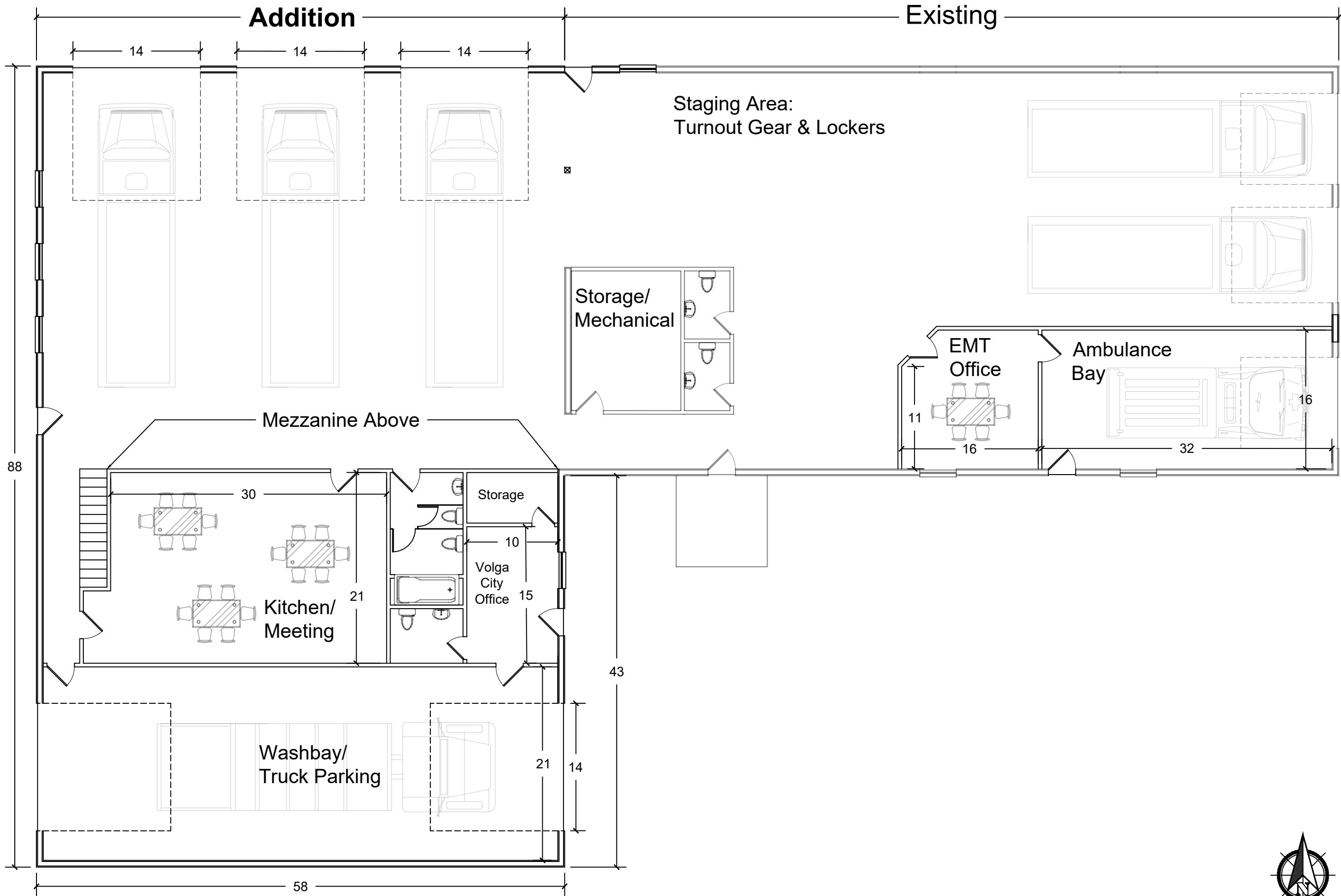
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REVISION:

SHEET NAME
EXISTING
FLOORPLAN

SHEET NO.

A-101



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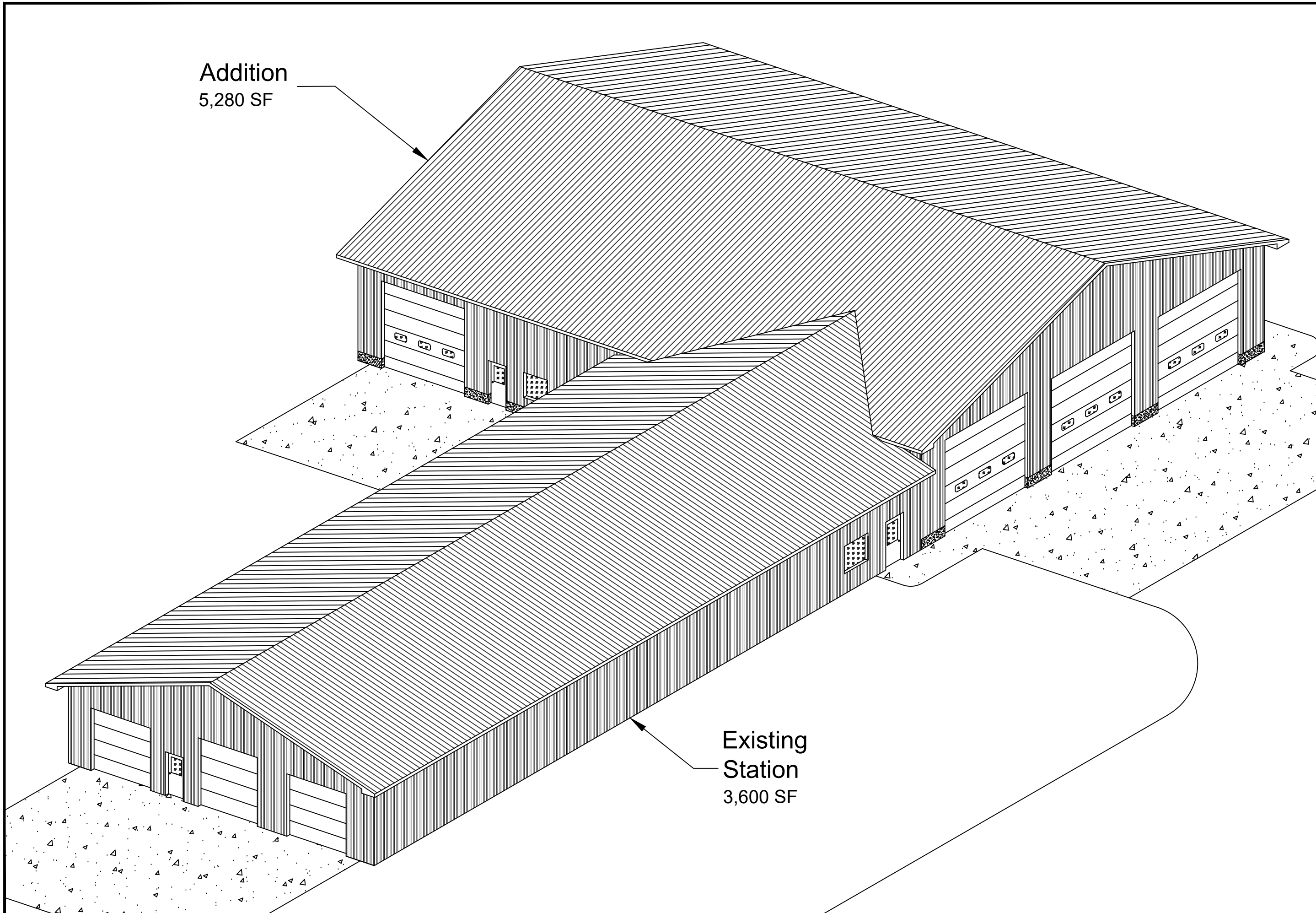


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SHEET NO.

A-102



Addition
5,280 SF

Existing
Station
3,600 SF



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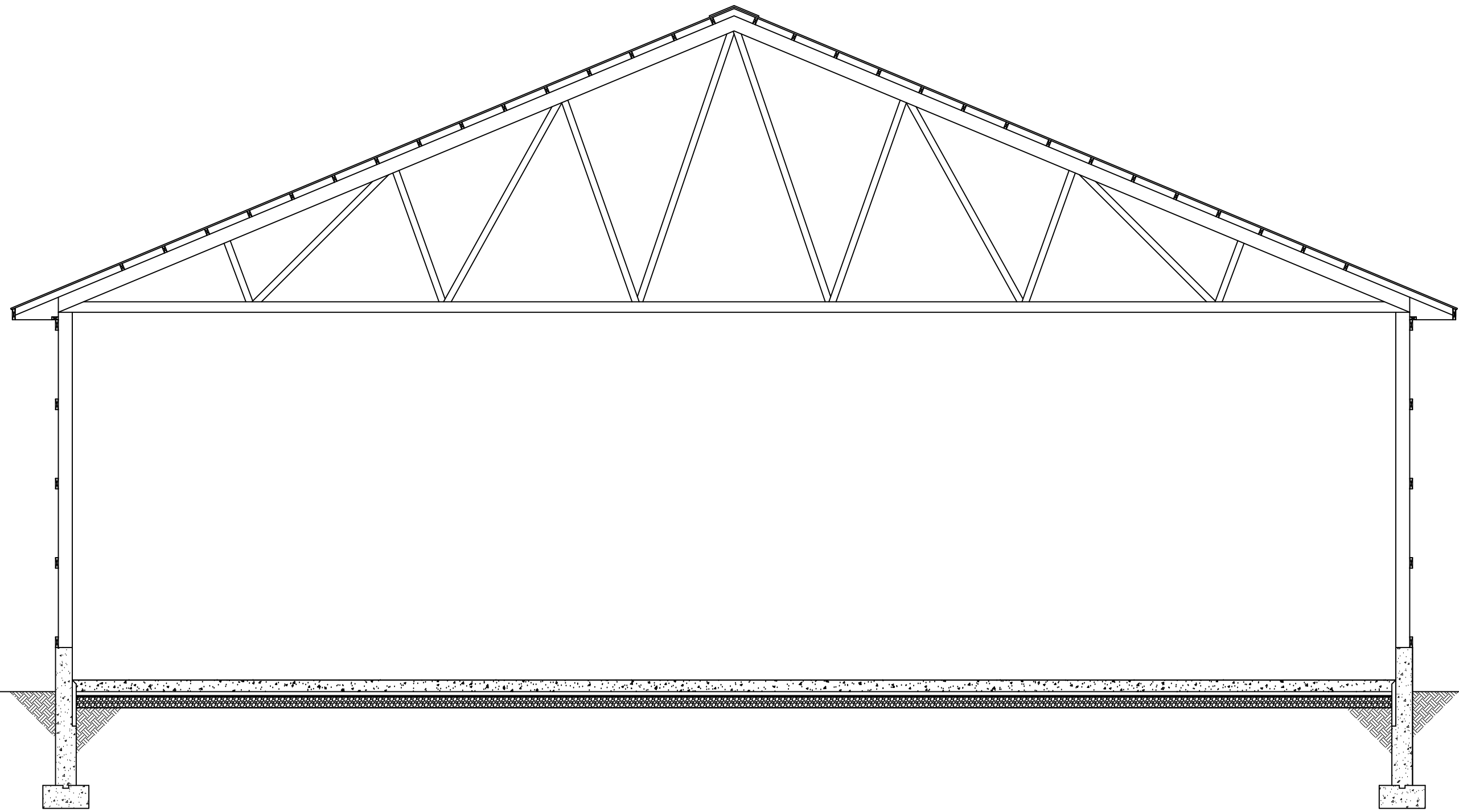
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REVISION:
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ROOF
PERSPECTIVE

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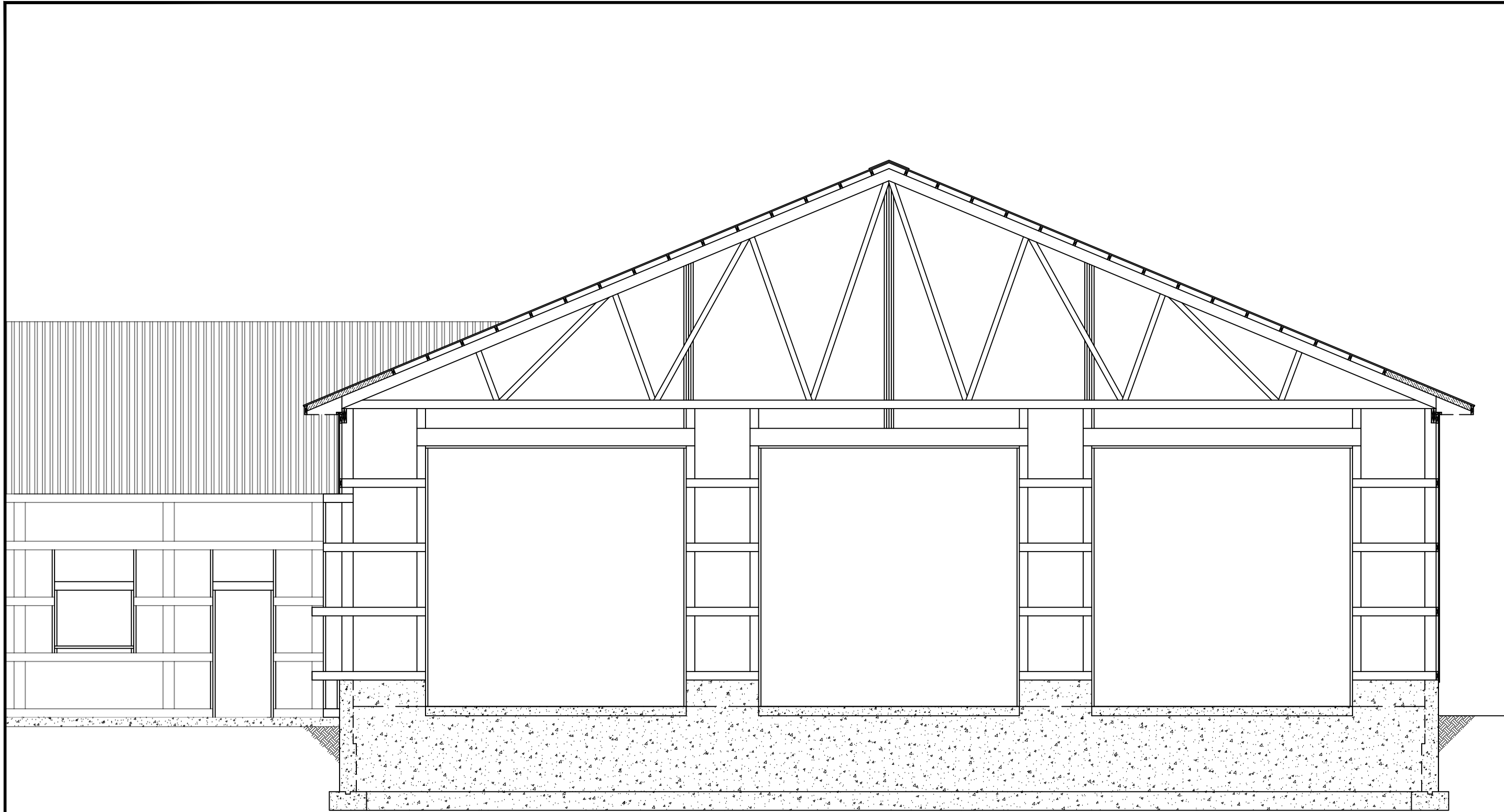
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BUILDING
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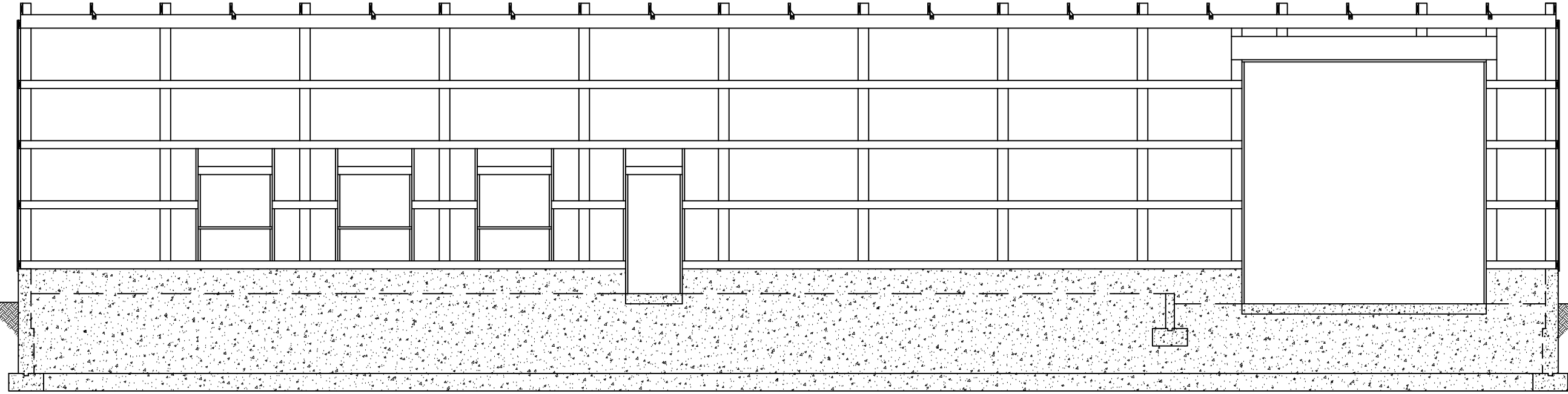
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SHEET NAME
BUILDING
SECTION

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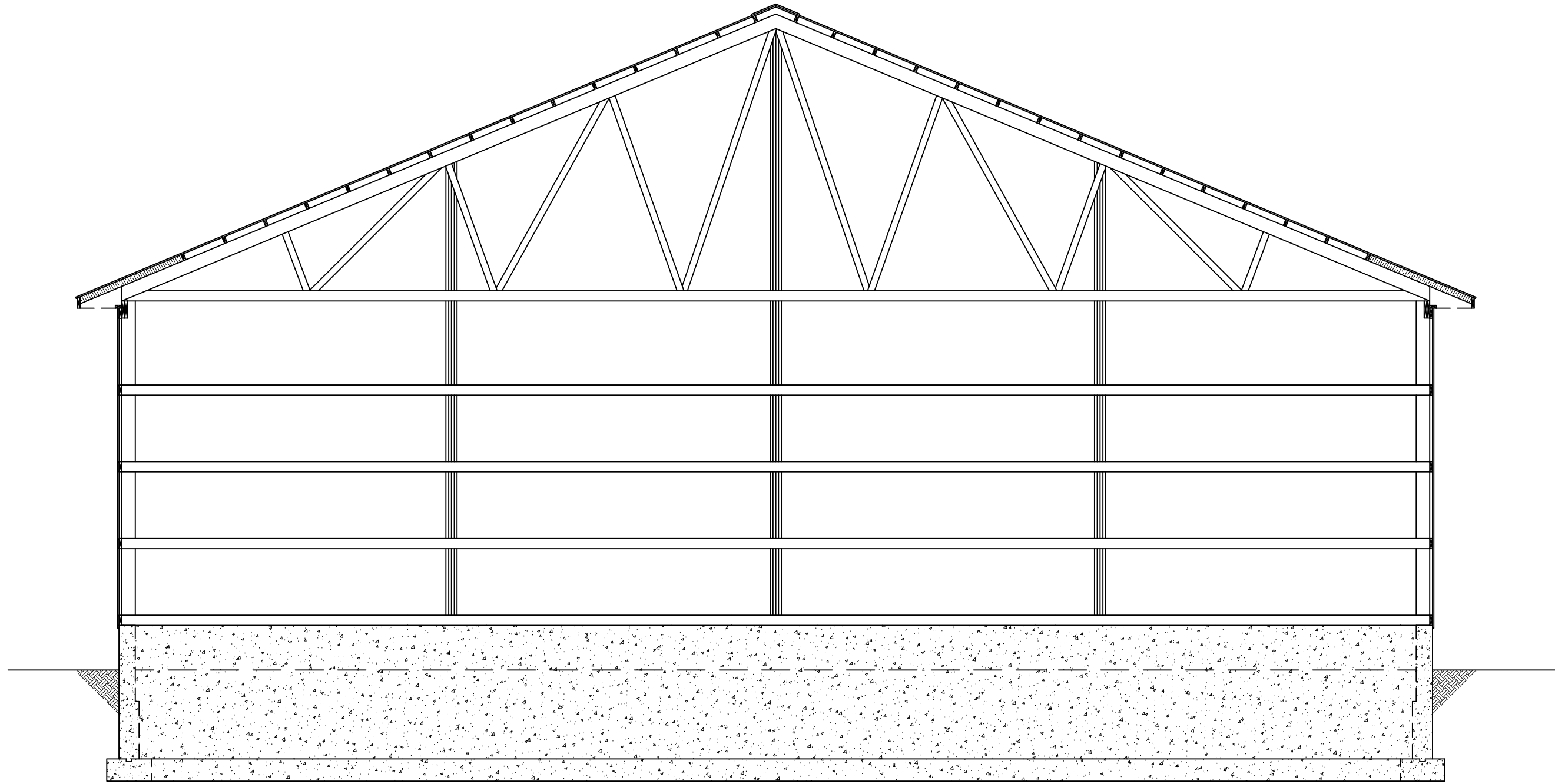
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BUILDING
SECTION

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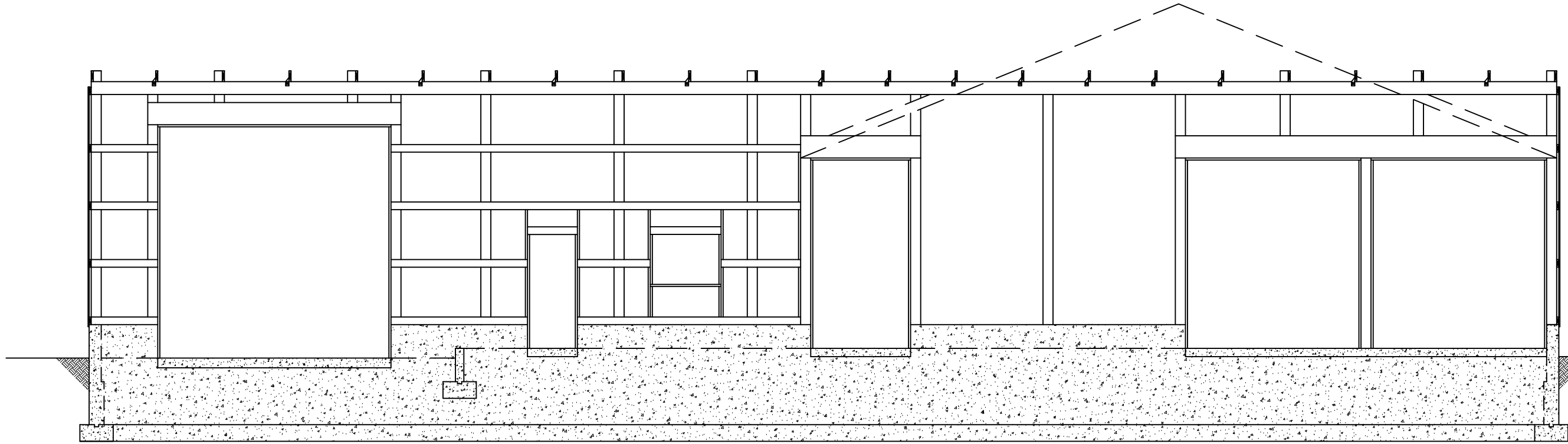
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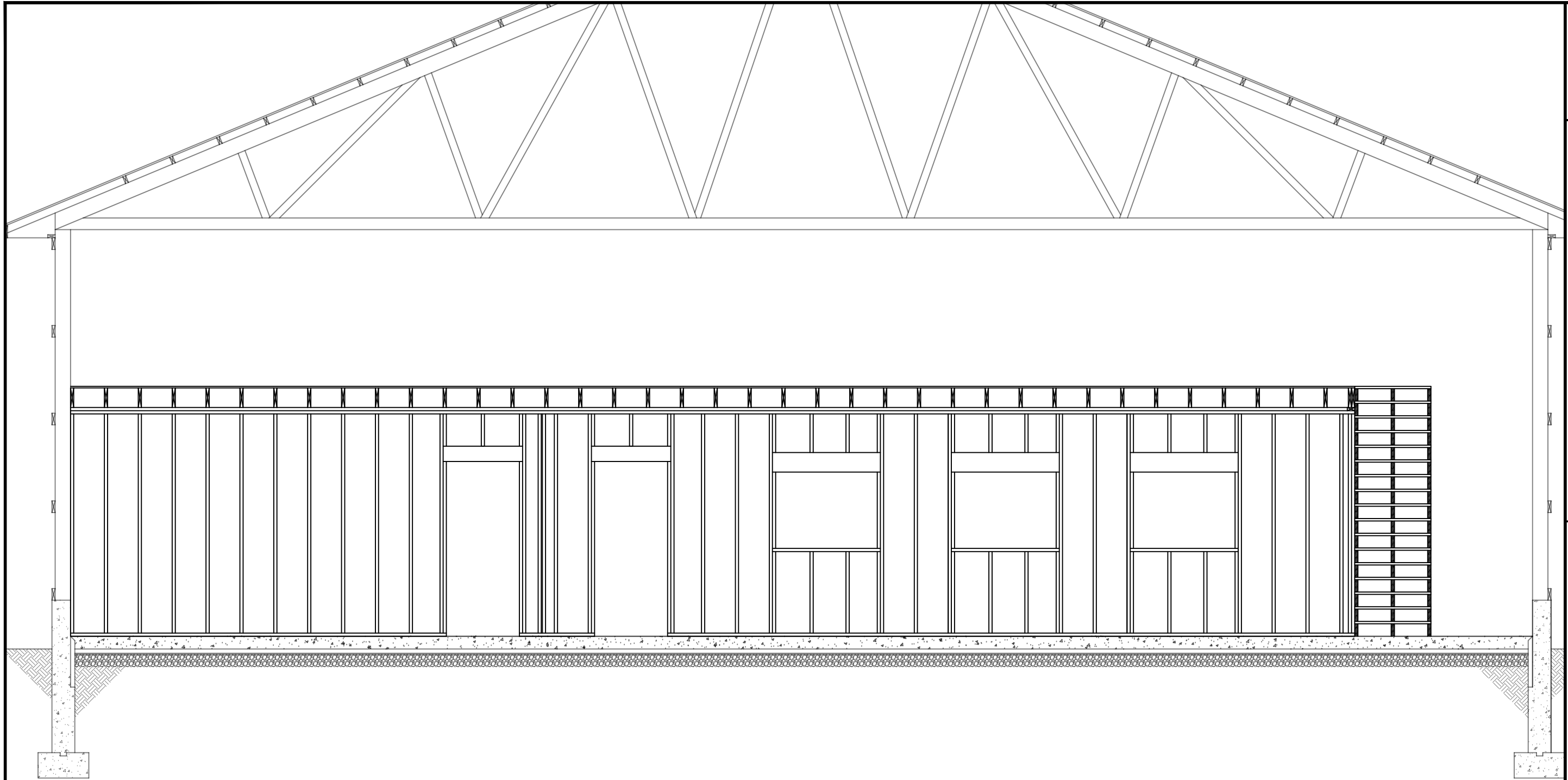
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SHEET NAME
BUILDING
SECTION

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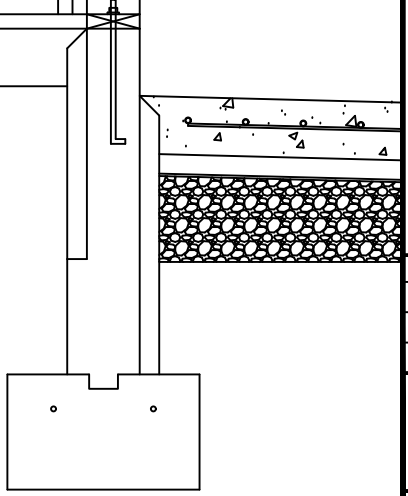
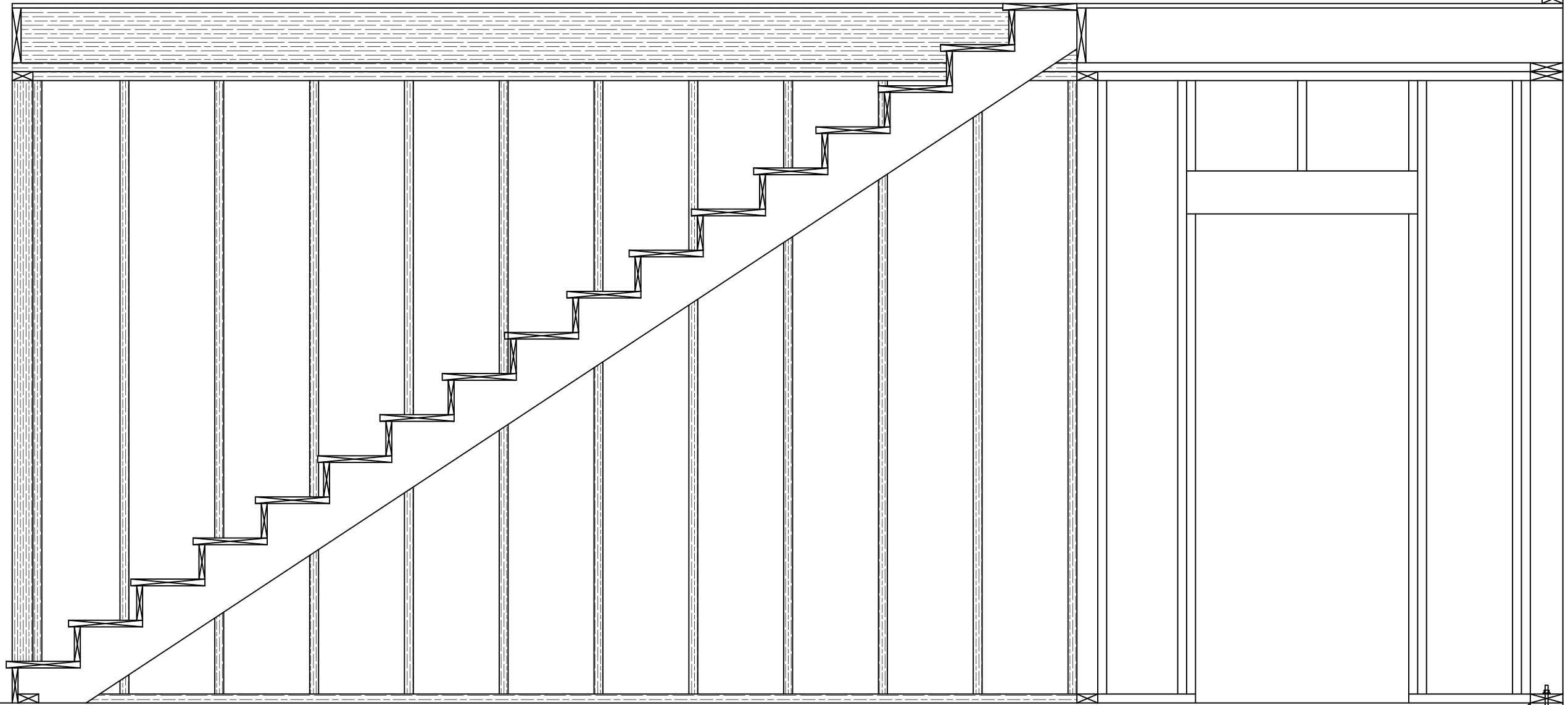
DATE: 11/17/2020

DRAWN BY: Mitch Vogt

REVISION:

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 INTERIOR
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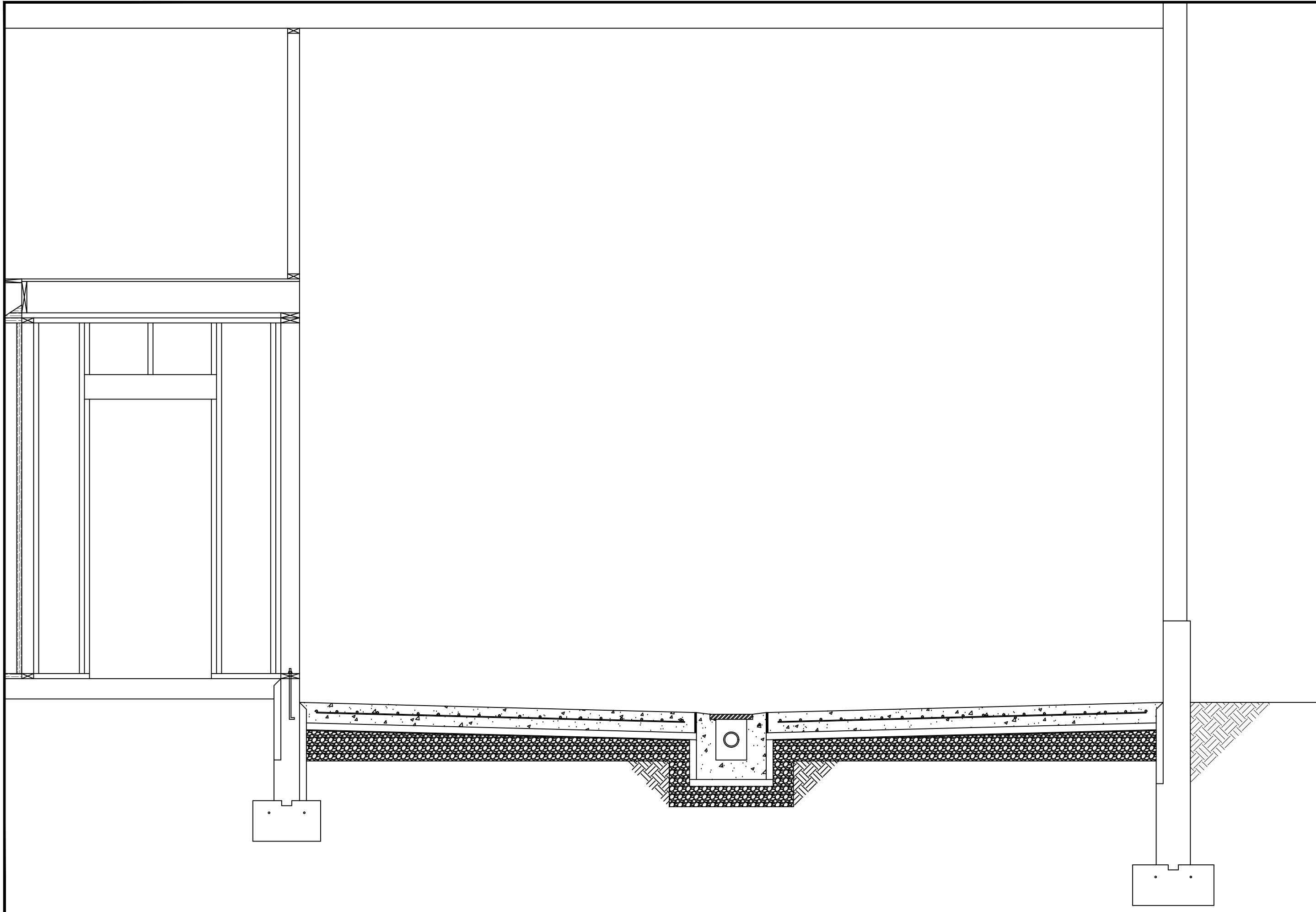
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 2020 STATION EXPANSION**
 300 LAFAYETTE ST
 VOLGA, IA 52077

PROJECT: CEE 4850
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 DRAWN BY: Mitch Vogt

REVISION:
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 STRUCTURAL
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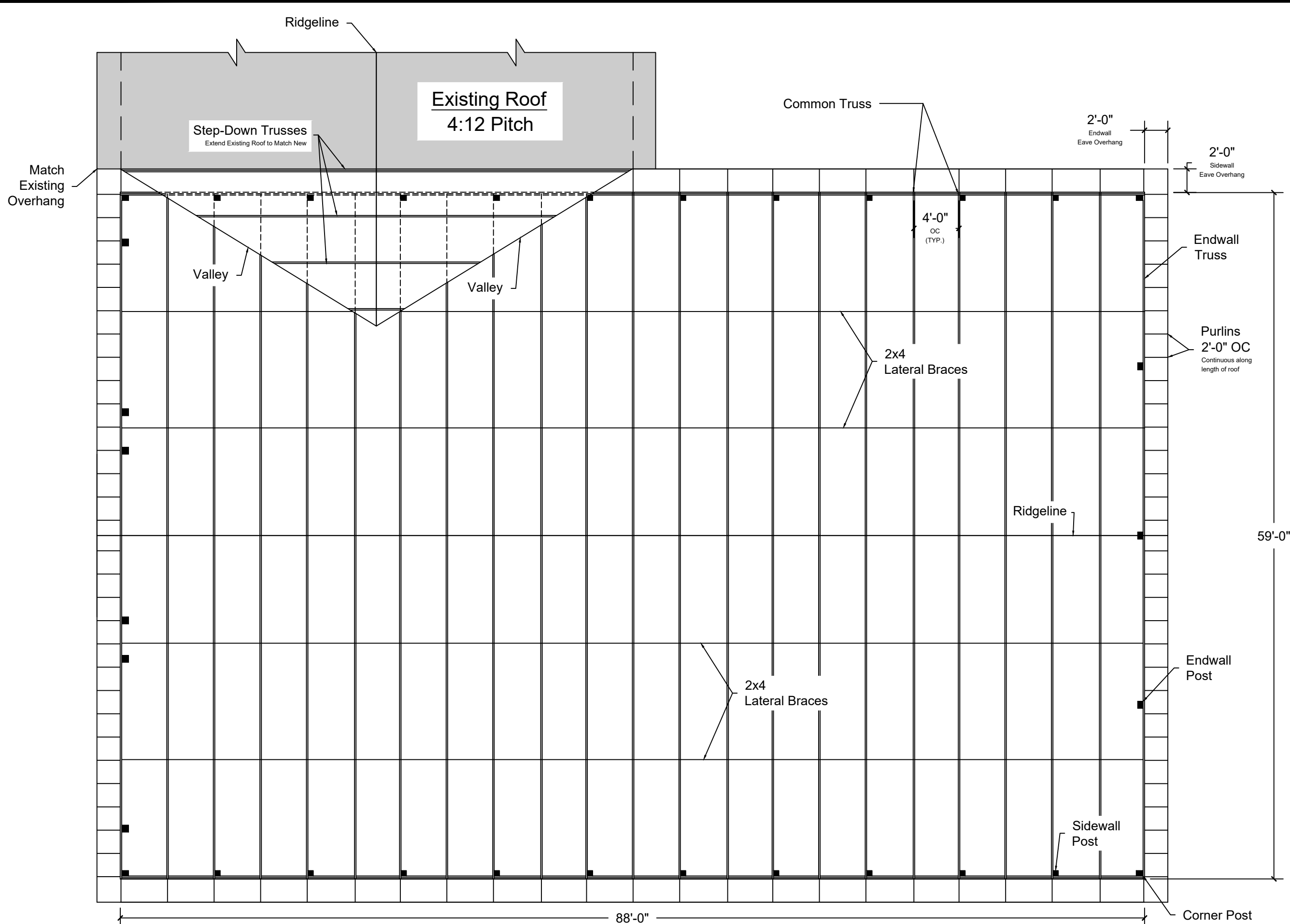
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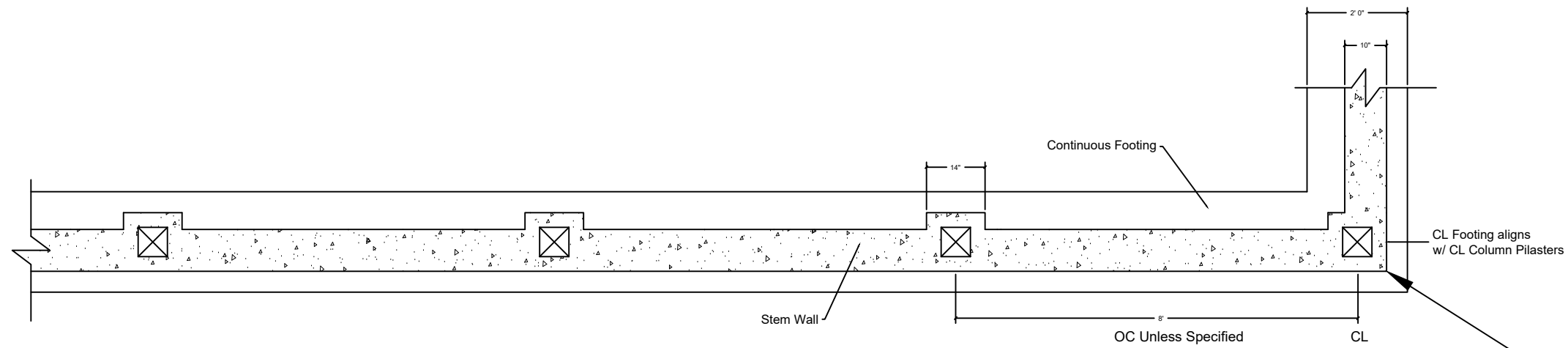
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 VOLGA, IA 52077

PROJECT: CEE 4850
 DATE: 11/17/2020
 DRAWN BY: Mitch Vogt

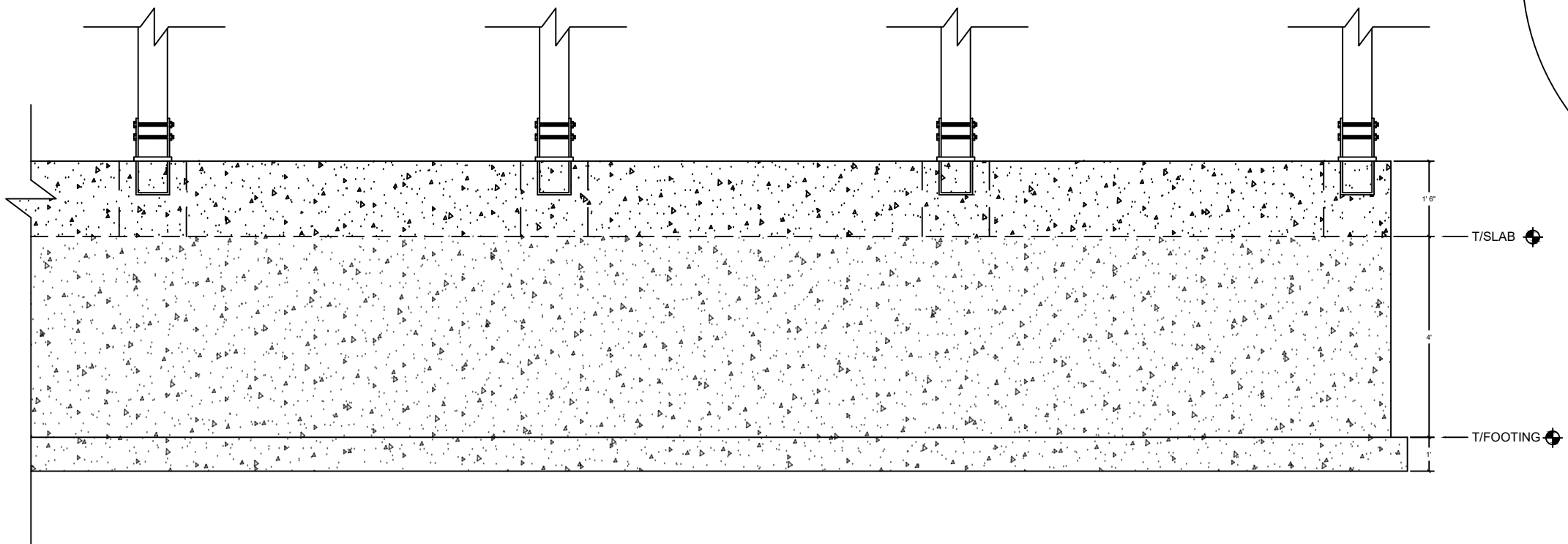
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 ROOF FRAMING
 PLAN

SHEET NO.
S-301

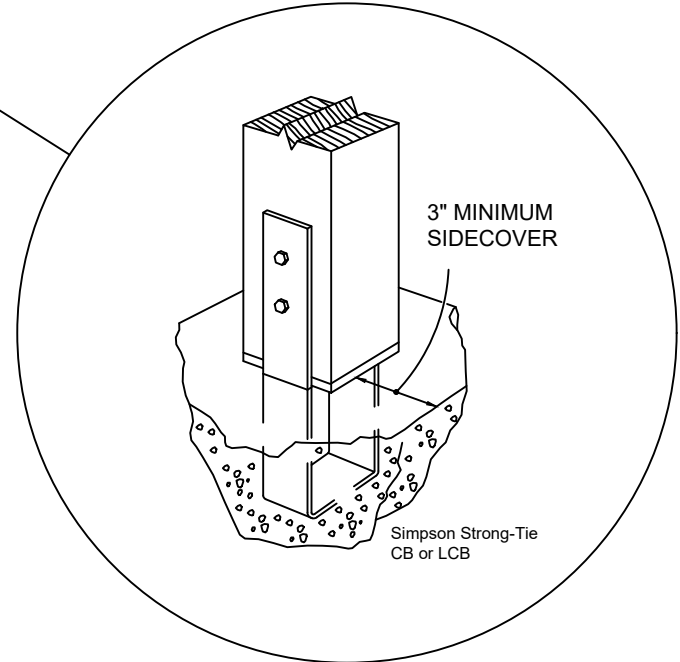
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PLAN VIEW



ELEVATION VIEW



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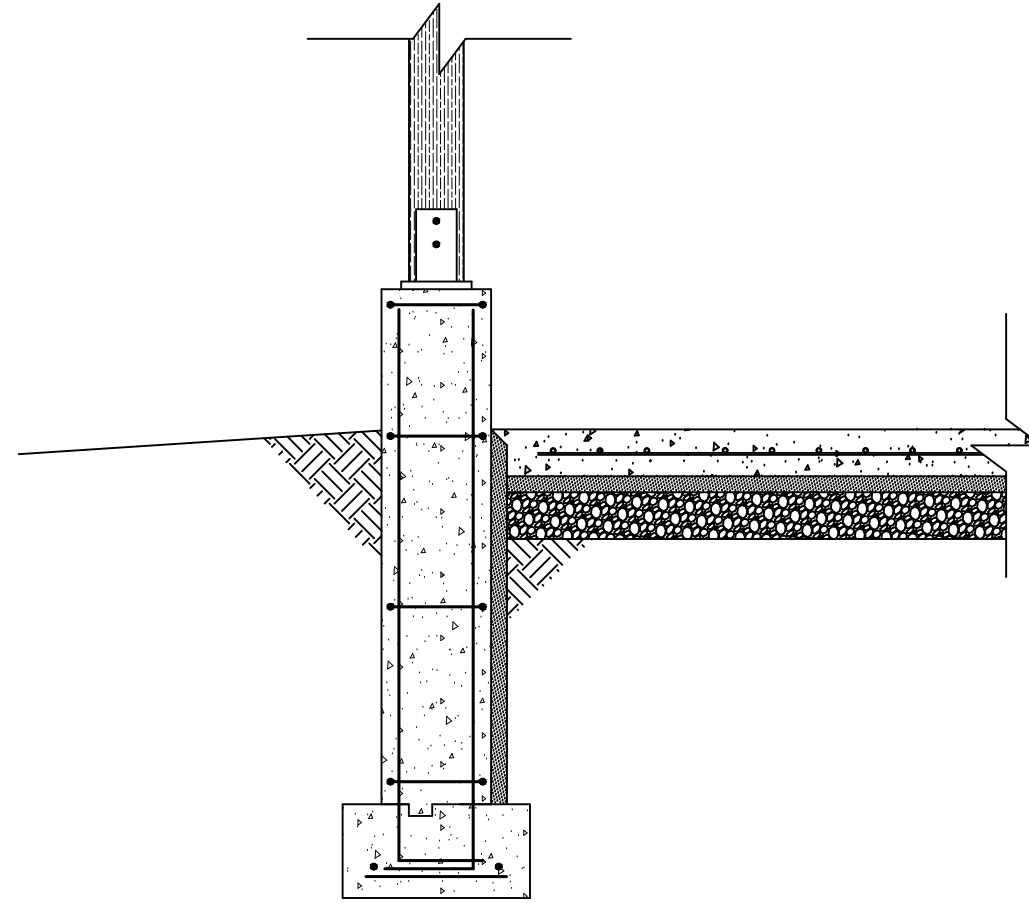
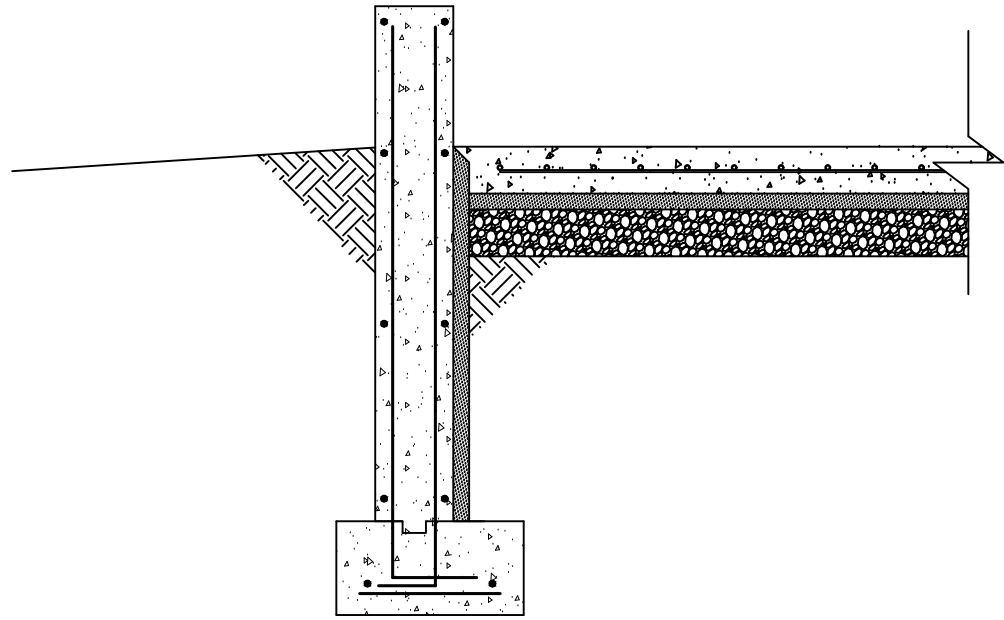
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PROJECT: CEE 4850
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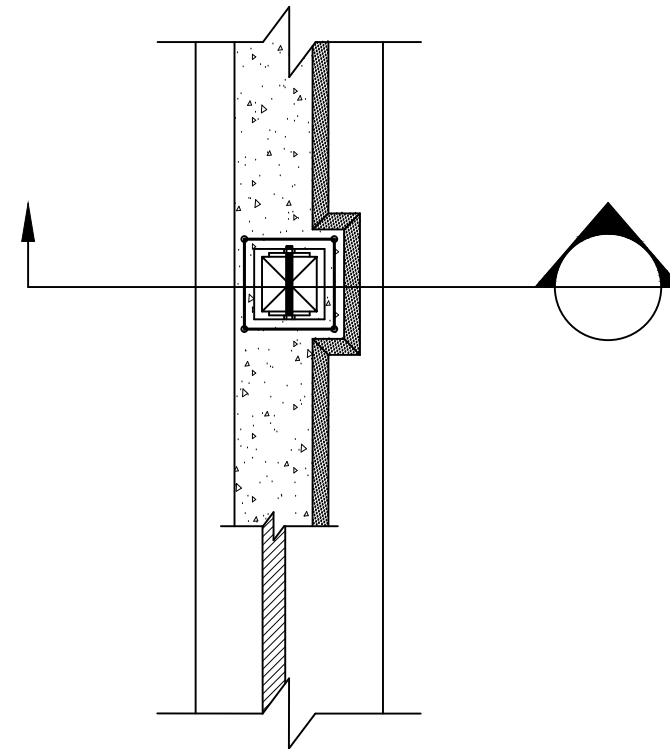
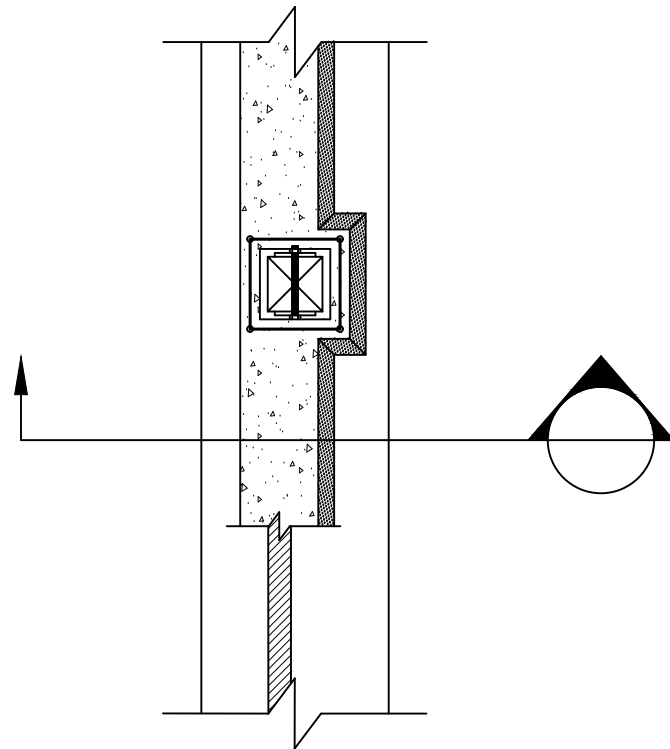
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SECTION VIEW



PLAN VIEW



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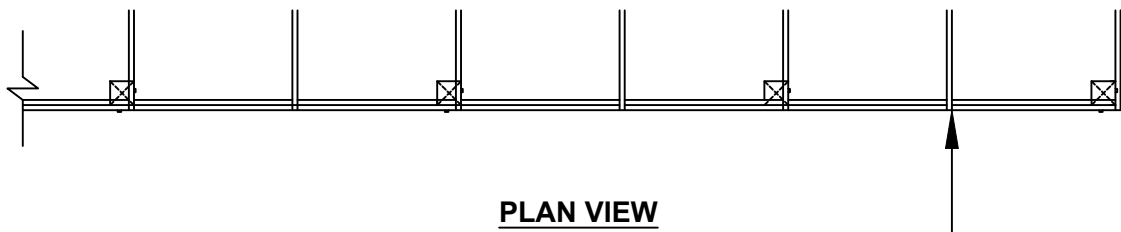
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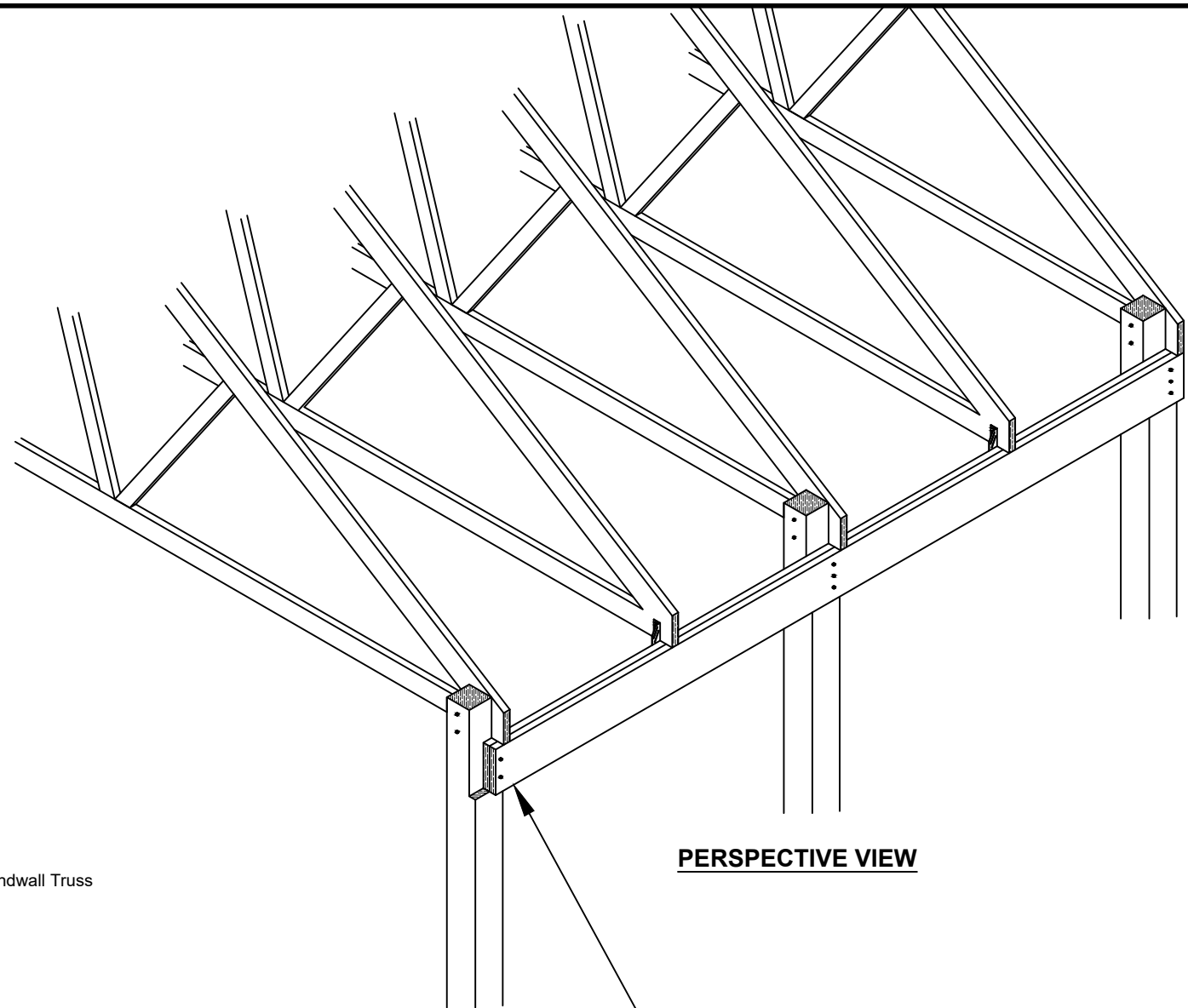
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SHEET NO.

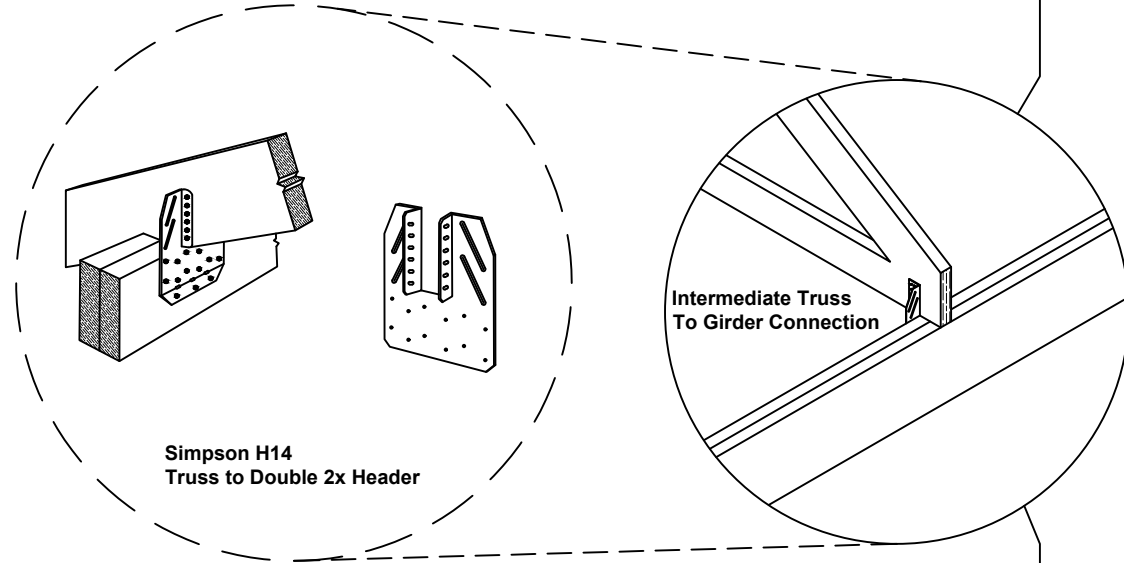
S-502



PLAN VIEW

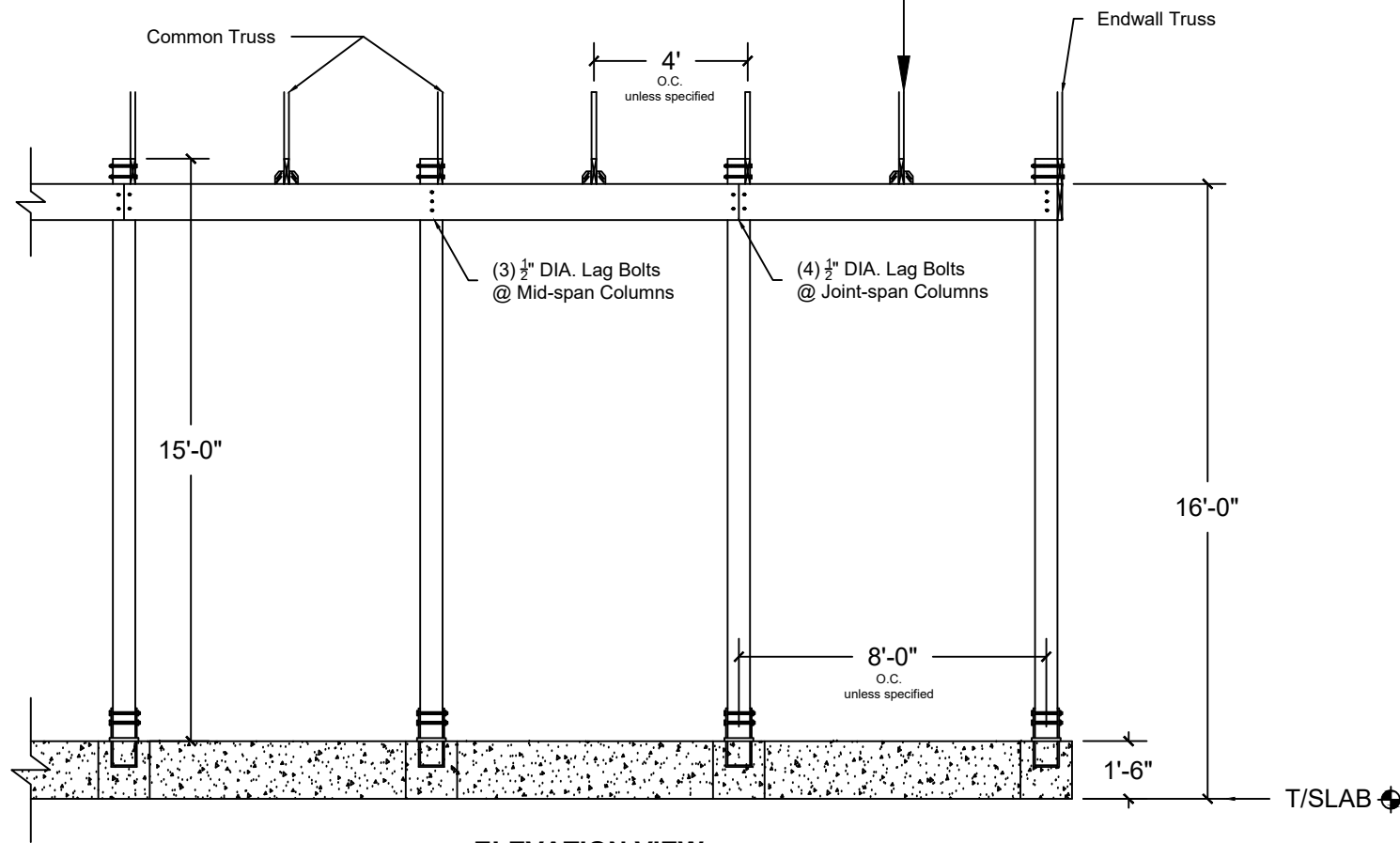


PERSPECTIVE VIEW

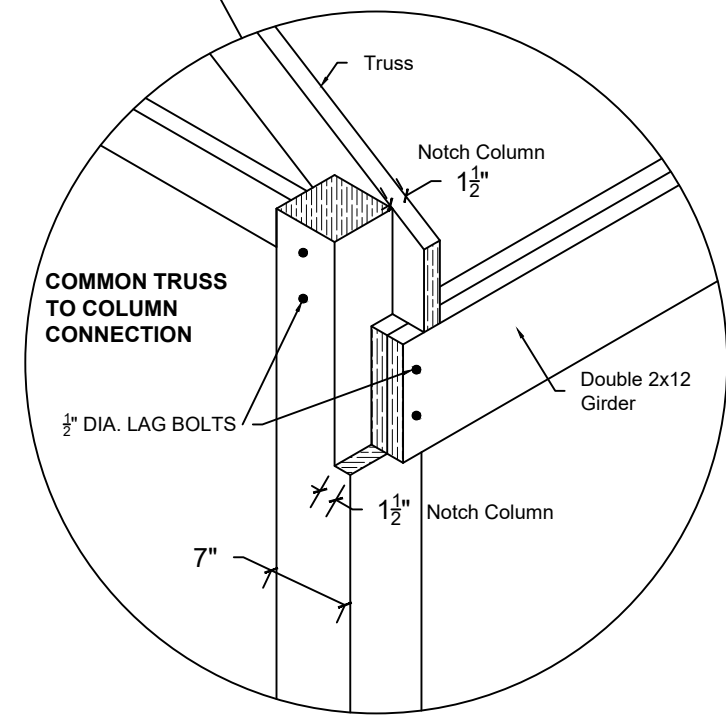


**Simpson H14
Truss to Double 2x Header**

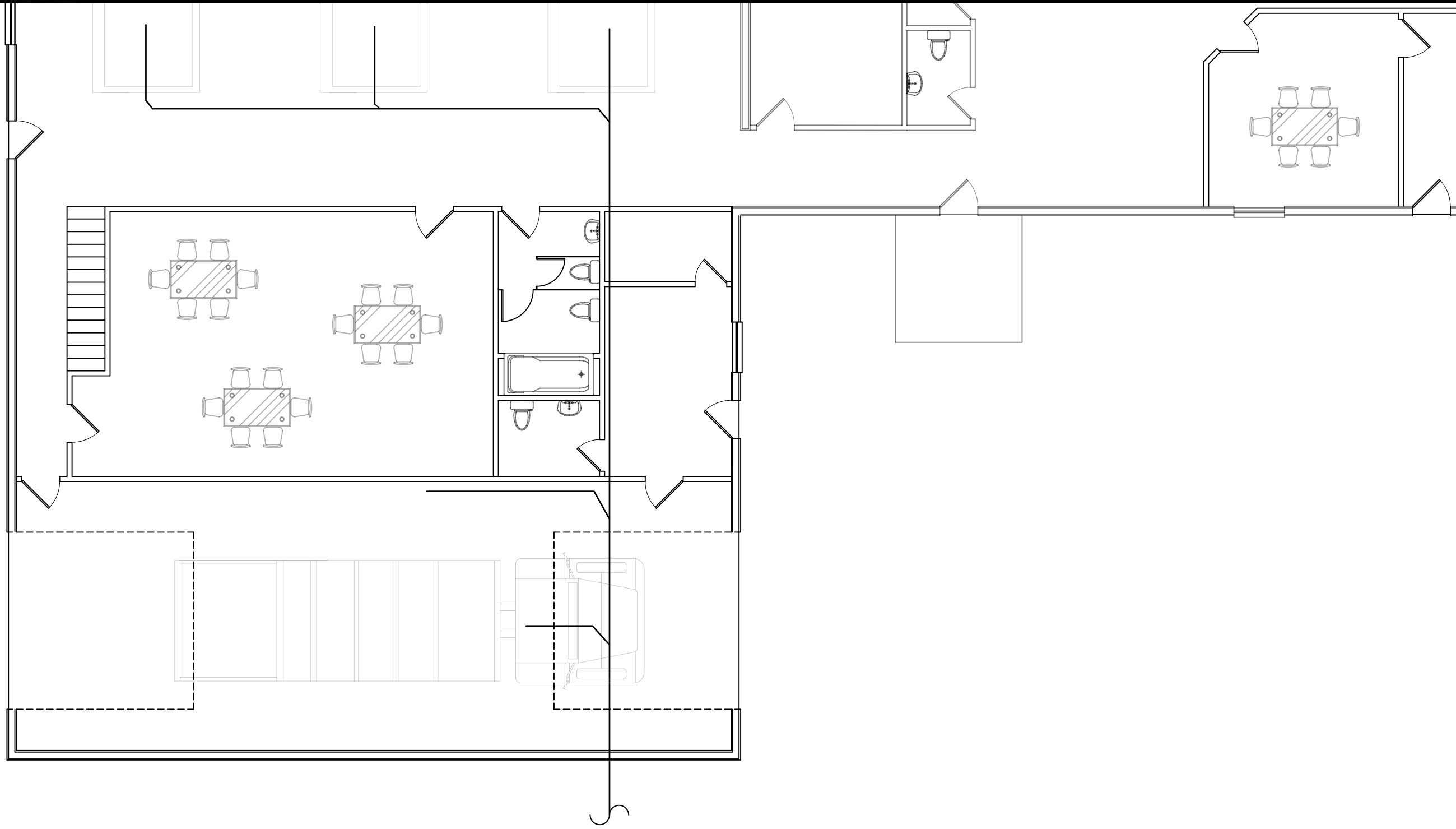
**Intermediate Truss
To Girder Connection**



ELEVATION VIEW



**COMMON TRUSS
TO COLUMN
CONNECTION**



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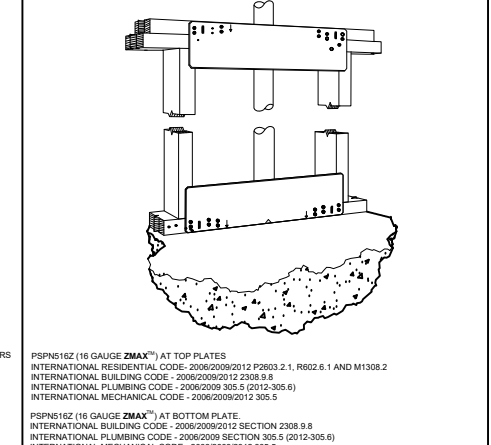
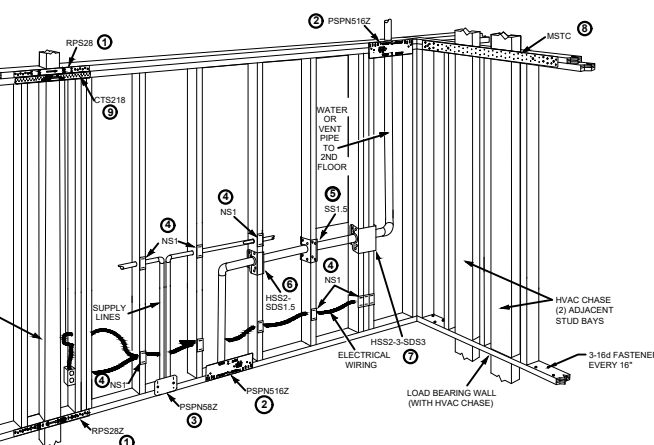
REVISION:
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 PLUMBING
 PLAN

SHEET NO.
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- 1 RPS28 (16 GAUGE) TO REINFORCE TOP PLATE, AND RPS28Z (16 GAUGE ZMAX™) TO REINFORCE SILL PLATE. INTERNATIONAL RESIDENTIAL CODE - 2006/2009/2012 R602.6.1 INTERNATIONAL BUILDING CODE - 2006/2009/2012 2308.9.8
- 2 PSPN516Z (16 GAUGE ZMAX™) AT TOP OR BOTTOM PLATES INTERNATIONAL RESIDENTIAL CODE - 2006/2009/2012 P2603.2.1, R602.6.1 AND M1308.2 INTERNATIONAL BUILDING CODE - 2006/2009/2012 2308.9.8 INTERNATIONAL PLUMBING CODE - 2006/2009 305.5 (2012-305.6) INTERNATIONAL MECHANICAL CODE - 2006/2009/2012 305.5
- 3 PSPN58Z (16 GAUGE ZMAX™) AT TOP OR BOTTOM PLATES INTERNATIONAL RESIDENTIAL CODE - 2006/2009/2012 P2603.2.1 AND M1308.2 INTERNATIONAL BUILDING CODE - 2006/2009 305.5 (2012-305.6) INTERNATIONAL MECHANICAL CODE - 2006/2009/2012 305.5
- 4 NS/NSP - NAIL STOPS TO PROTECT PIPING FROM DRYWALL NAILS OR SCREWS. INTERNATIONAL RESIDENTIAL CODE - M1308.2 AND P2603.2.1 CHAPTER 3 OF THE NATIONAL ELECTRICAL CODE - "BORED HOLES FOR WIRING SHALL BE 1/2" FROM THE EDGE OF A JOIST, STUD OR RAFTER OR SHALL BE PROTECTED WITH A 1/8 GAUGE (0.025 THICK) STEEL PLATE." INTERNATIONAL PLUMBING CODE - 2006/2009/2012 305.8 INTERNATIONAL MECHANICAL CODE - 2006/2009/2012 305.5
- 5 SS1.5 (16 GAUGE) STUD SHOES REINFORCE AND PROTECT PLUMBING IN ZX. INTERNATIONAL RESIDENTIAL CODE - 2006/2009/2012 R602.6 AND M1308.2 INTERNATIONAL BUILDING CODE - 2006/2009/2012 2308.9.10 & 2308.9.11 INTERNATIONAL PLUMBING CODE - 2006/2009 305.5 (2012-305.6) INTERNATIONAL MECHANICAL CODE - 2006/2009/2012 305.5

- 6 HSS2-SDS1.5 (16 GAUGE) HEAVY STUD SHOES TO REINFORCE AND PROTECT SINGLE ZX STUDS WHERE PIPE IS LOCATED. USES 12 SS14X1/2 SCREWS (INCLUDED). INTERNATIONAL RESIDENTIAL CODE - 2006/2009/2012 R602.6 AND M1308.2 INTERNATIONAL BUILDING CODE - 2006/2009/2012 2308.9.10 & 2308.9.11 INTERNATIONAL PLUMBING CODE - 2006/2009 305.5 (2012-305.6) INTERNATIONAL MECHANICAL CODE - 2006/2009/2012 305.5
- 7 HSS2-3-SDS3 (16 GAUGE) HEAVY STUD SHOE FOR TRIPLE ZX STUD. USES 12 SDS14X1/2 SCREWS (INCLUDED). INTERNATIONAL RESIDENTIAL CODE - 2006/2009/2012 R602.6 AND M1308.2 INTERNATIONAL BUILDING CODE - 2006/2009/2012 2308.9.10 & 2308.9.11 INTERNATIONAL PLUMBING CODE - 2006/2009 305.5 (2012-305.6) INTERNATIONAL MECHANICAL CODE - 2006/2009/2012 305.5
- 8 MSTC (16 GAUGE) AT TOP PLATE. INTERNATIONAL RESIDENTIAL CODE - 2006/2009/2012 R602.6.1 INTERNATIONAL BUILDING CODE - 2006/2009/2012 2308.9.8
- 9 CTS218 (14 GAUGE) TO REINFORCE TOP-PLATE FOR BOTH COMPRESSION AND TENSION FORCES. SPECIAL DESIGN PROVISIONS FOR WIND AND SEISMIC 2009/2008 4.1.4 INTERNATIONAL RESIDENTIAL CODE - 2006/2009/2012 R602.6.1 INTERNATIONAL BUILDING CODE - 2006/2009/2012 2308.9.8

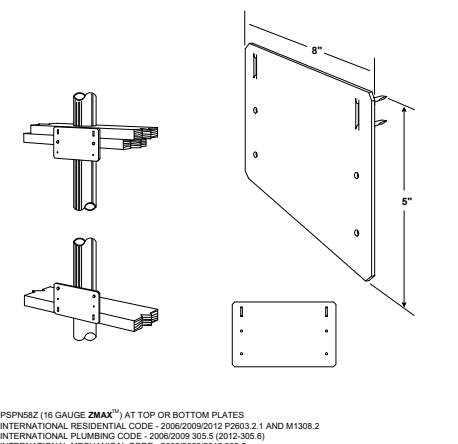


MODEL NO.	GA.	DIMENSIONS		BOTTOM PLATE (12 - 16d NAILS)		TOP PLATE (16 - 16d NAILS)	
		W	L	DFSP	SPFFIF	DFSP	SPFFIF
PSPN516Z	16	6	16 5/16"	1350	1180	1820	1576

1. To meet the prescriptive IRC requirements 16d box nails (0.135" dia x 3") may be used. Allowable tension load is 0.75 of table loads when installed with 16d box nails.

2. Nails: 16d = 0.162" dia. x 3" long.

PLUMBING DETAIL



TYPICAL CTS INSTALLATION (One-sided installation shown)

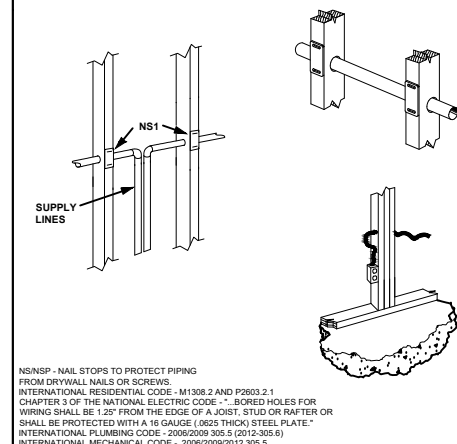
CODES: ICC-ES ESR-2105; FLORIDA FL13904.

1. Allowable loads have been increased for wind or seismic with no further increase allowed. Reduce where other loads govern.

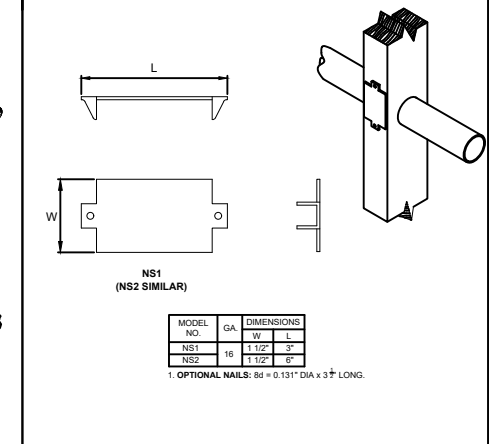
2. Fastener quantities are for a single strap.

3. Maximum gap between wood members is 4/8".

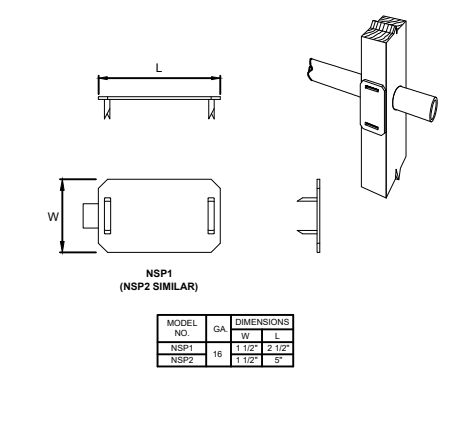
4. FASTENERS: 10dX1 1/2" = 0.148" dia. x 1 1/2" nails. SD screw #9X1 1/2" = 0.131" dia. x 1 1/2" long.



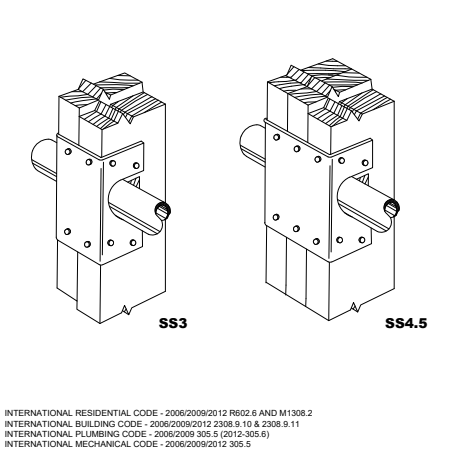
PSPN516Z NAIL STOPPER



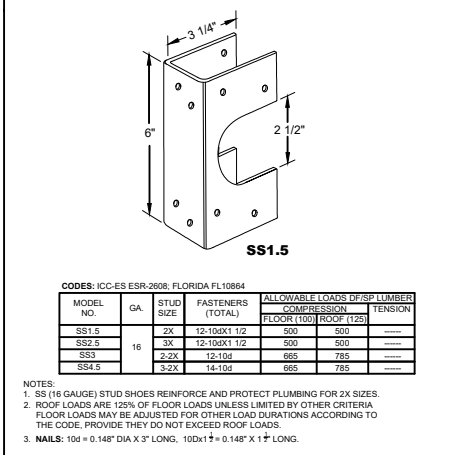
PSPN516Z NAIL STOPPER



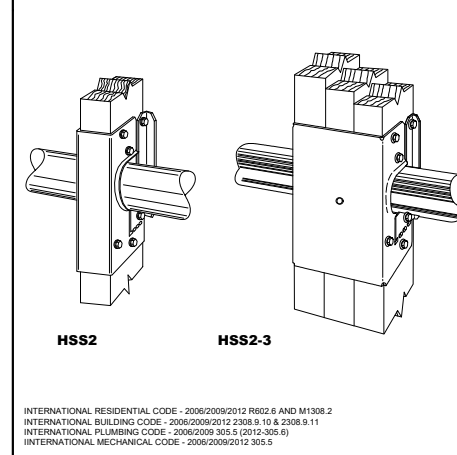
PSPN58Z NAIL STOPPER



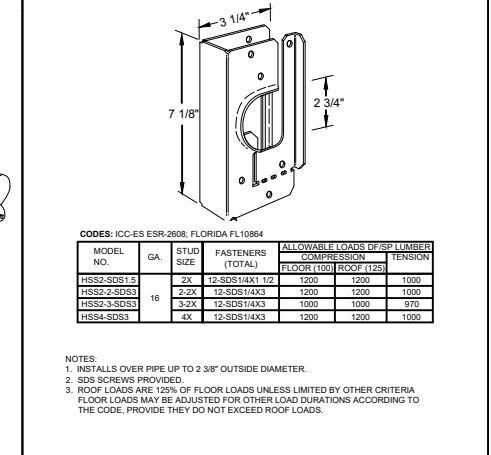
CTS218 COMPRESSION-TENSION STRAP



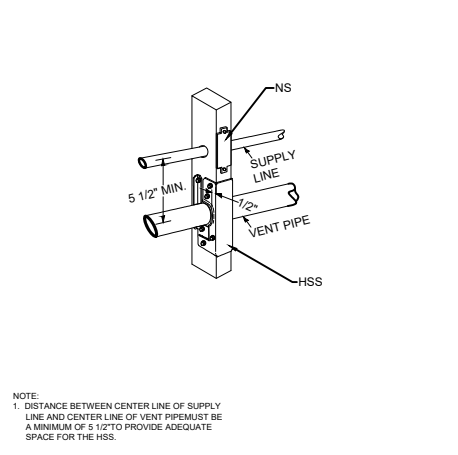
NS & NSP NAIL STOPPER



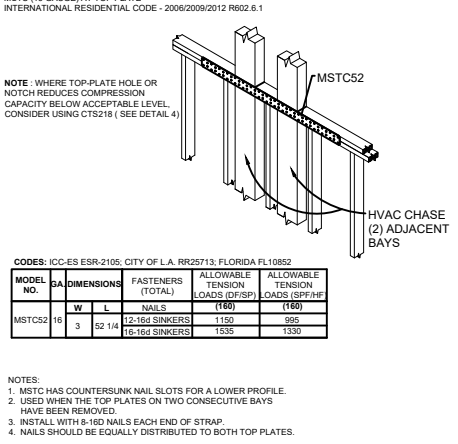
NS NAIL STOPPER



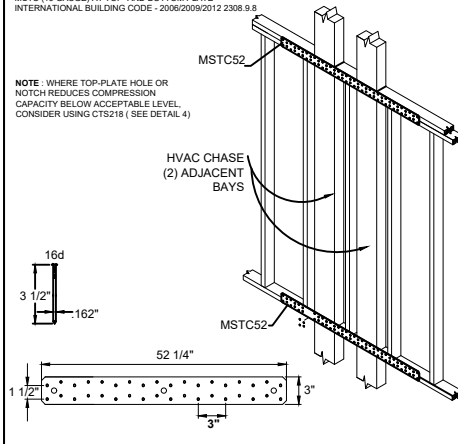
NSP NAIL STOPPER



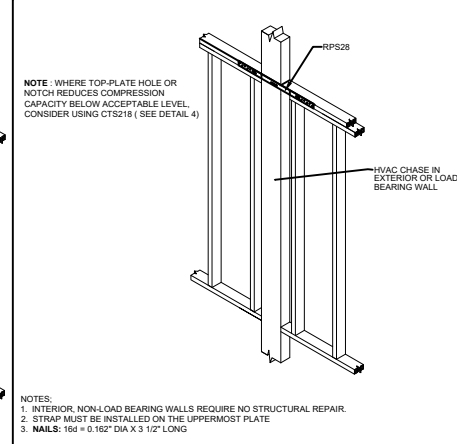
SS STUD SHOE



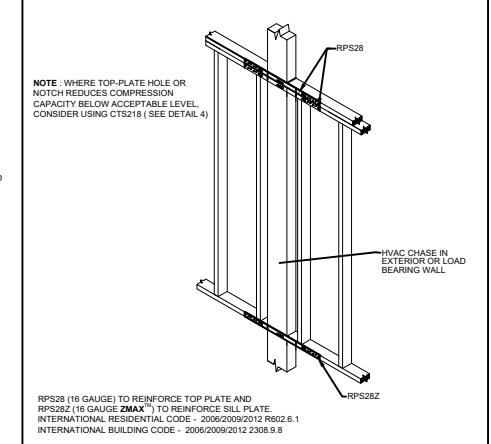
SS STUD SHOE



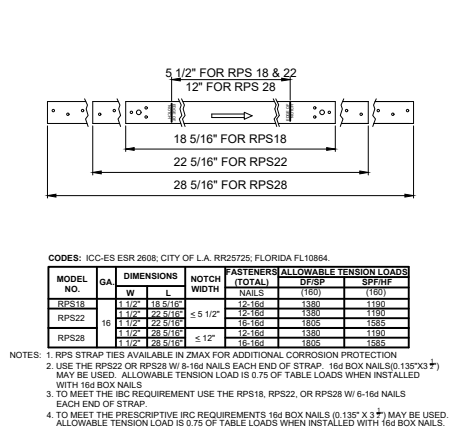
HSS-SDS STUD SHOE



HSS-SDS STUD SHOE



SS/HSS-SDS STUD SHOE



MSTC

MSTC

RPS STRAP TIES

RPS STRAP TIES

RPS STRAP TIES

VOGT + BELL
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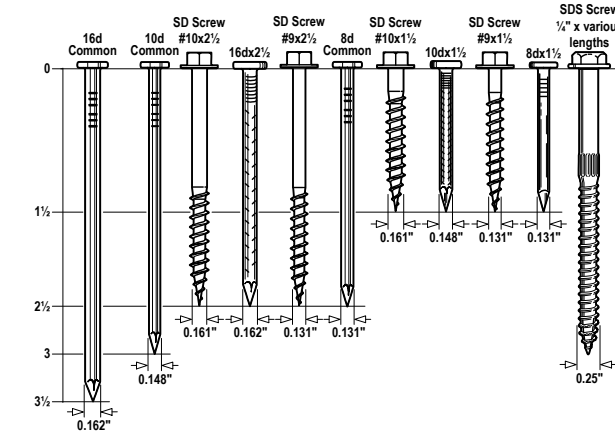
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PROJECT: CEE 4850
DATE: 11/17/2020
DRAWN BY: Mitch Vogt
REVISION:
SHEET NAME: PLUMBING DETAILS
SHEET NO. P-501

General Notes:

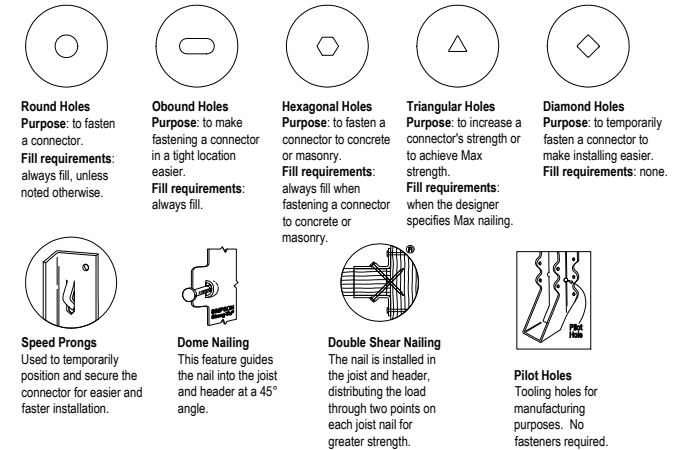
- Outdoor environments are generally more corrosive to steel. If you choose to use ZMAX® or HDG finish or stainless steel material on an outdoor project, you should periodically inspect your connectors and fasteners or have a professional inspection performed. Regular maintenance, including water-proofing of the wood used in your outdoor project is also a good practice.
- Coatings Available:
 - ZMAX: Galvanized (G185) 1.85 oz. of zinc per square foot of surface area. (hot-dip galvanized per ASTM A653 total both sides). These products require hot-dip galvanized fasteners (fasteners which meet the specifications of ASTM A153).
 - HDG - Hot Dip Galvanized: Products are hot-dip galvanized after fabrication (14 ga. and thicker). The coating weight increases with material thickness. The minimum specified coating weight is 2.0 oz. per square foot. (per ASTM A123 total both sides). These products require hot-dip galvanized fasteners (fasteners which meet the specifications of ASTM A153).
 - SS - Stainless Steel: Connectors are manufactured from Type 316L stainless steel, and provide greater durability against corrosion. Stainless-steel nails are required with stainless-steel products, and are available from Simpson Strong-Tie.
- When using stainless steel connectors, use stainless steel fasteners. When applications allow the use of ZMAX/HDG galvanized connectors, use HDG fasteners that meet the specifications of ASTM A153 or equivalent coating offered on Simpson Strong-Tie fasteners.
- Due to many variables involved with outdoor construction, Simpson Strong-Tie cannot provide estimates on service life of connectors, anchors or fasteners.
- To obtain optimal performance from Simpson Strong-Tie products, the products must be installed properly and used in accordance with the installation instructions and design limits provided by Simpson Strong-Tie.
- All installation notes and guidelines within the current *Wood Construction Connectors* catalog shall apply for the connectors, anchors, and fasteners shown.
- Simpson Strong-Tie reserves the right to change the specifications, design and models shown without notice or liability for such changes.
- Simpson Strong-Tie does not guarantee the performance or safety of products that are modified, improperly installed or not used in accordance with the design.
- All references to bolts or machine bolts (MB) are structural quality through bolts (not lag screws or carriage bolts) equal to or better than ASTM A307, grade A. Bolt holes shall be at least a minimum 1/32" and no more than a maximum of 1/16" larger than the bolt diameter per 2005 NDS Section 11.1.2.
- Unless noted otherwise, all references to standard cut washers refer to Type A plain washers (W) conforming to the dimensions shown in ASME B18.22.1 for the appropriate rod sizes.
- Unless stated otherwise, Simpson Strong-Tie cannot and does not make any representation regarding the suitability of use or load-carrying capacities of connectors installed with improper fasteners.

D01 General Notes



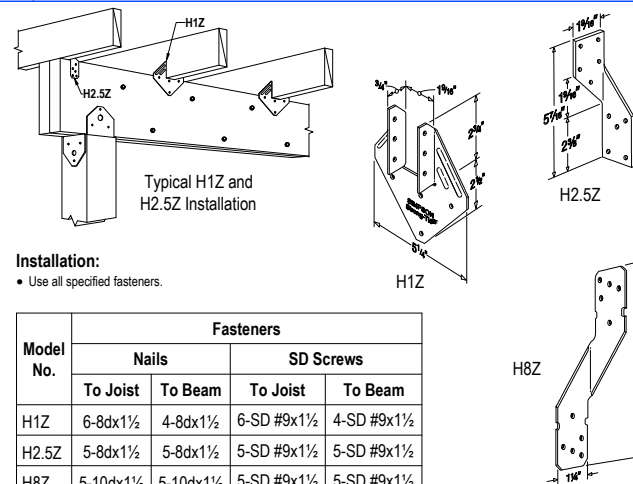
Fastener Notes:

- The specified quantity, type and size of fastener must be installed in the correct holes on the connector to achieve published loads. Incorrect fastener selection or installation can compromise connector performance and could lead to failure.
- Nail diameter assumes no coating. See technical bulletin *T-NAILGUIDE* for more information.
- The Simpson Strong-Drive® SD structural-connector screw is the only screw approved for use with our connectors.
- NAIL reference in tables:** 16d = 16d common, 10d = 10d common



Fastening Identification

D02 Fasteners

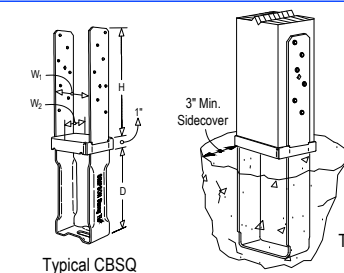


Installation:
• Use all specified fasteners.

Model No.	Fasteners			
	Nails		SD Screws	
	To Joist	To Beam	To Joist	To Beam
H1Z	6-8dx1½	4-8dx1½	6-SD #9x1½	4-SD #9x1½
H2.5Z	5-8dx1½	5-8dx1½	5-SD #9x1½	5-SD #9x1½
H8Z	5-10dx1½	5-10dx1½	5-SD #9x1½	5-SD #9x1½

- indicates connector is available in stainless steel. Replace Z in model number with SS when ordering.
- Refer to current *Wood Construction Connectors* catalog for additional information.

D16 H Hurricane Ties



Installation:

- Install Simpson Strong-Tie SDS ¼" x 2" wood screws, which are provided with the column base, with a ⅜" hex head driver. (Lag screws will not achieve the same load.)
- Allow concrete to cure before installation of the post.
- For full loads, a minimum of 3" side cover shall be provided.

Model No.	Post Size	Dimensions (in.)				Number of SDS Screws
		W1	W2	D	H	
□ CBSQ44-SDS2HDG	4x4	3 9/16	3 1/2	7 1/8	8 3/8	14-SDS ¼"x2"
□ CBSQ46-SDS2HDG	4x6	3 9/16	5 5/16	7 13/16	8 11/16	14-SDS ¼"x2"
□ CBSQ66-SDS2HDG	6x6	5 1/2	5 1/2	6 7/8	8 3/4	14-SDS ¼"x2"
CBSQ86-SDS2HDG	6x8	7 1/2	5 3/8	6 1/8	8 11/16	12-SDS ¼"x2"
CBSQ88-SDS2HDG	8x8	7 1/2	7 3/8	6 1/8	8 11/16	12-SDS ¼"x2"

- indicates connector is available in stainless steel. Replace -SDS2HDG in model number with SS when ordering.
- Refer to current *Wood Construction Connectors* catalog for additional information.

D10 CBSQ Post Bases