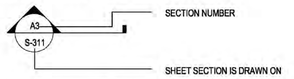
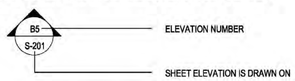
STRUCTURAL GRAPHIC SYMBOLS

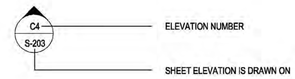
SECTION CROSS-REFERENCE SYMBOL



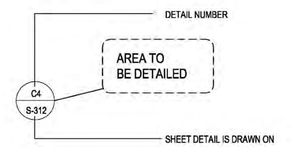
EXTERIOR ELEVATION CROSS-REFERENCE SYMBOL



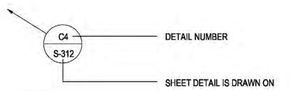
INTERIOR ELEVATION CROSS-REFERENCE SYMBOL



PLAN DETAIL CROSS-REFERENCE SYMBOL



DETAIL CROSS-REFERENCE SYMBOL



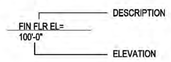
NORTH ARROW SYMBOL



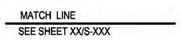
KEYNOTE SYMBOL



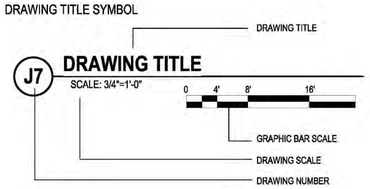
ELEVATION TARGET SYMBOL



MATCH LINE SYMBOL



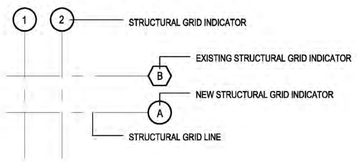
DRAWING TITLE SYMBOL



GRAPHIC BAR SCALE SYMBOL



STRUCTURAL GRID REFERENCE SYMBOL



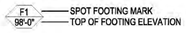
REVISION INDICATOR SYMBOL



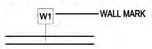
BASE PLATE MARK SYMBOL



SPOT FOOTING MARK SYMBOL



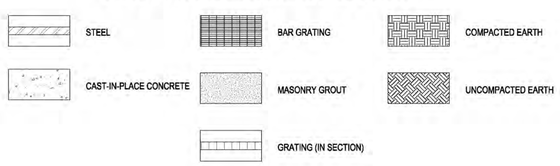
WALL MARK SYMBOL



MOMENT CONNECTION SYMBOL



STRUCTURAL MATERIALS LEGEND



ABBREVIATIONS

A/E	ARCHITECT/ENGINEER
AB	ANCHOR BOLT
ABAN	ABANDON
ABBRV	ABBREVIATION
AC	ASPHALTIC CONCRETE
ACI	AMERICAN CONCRETE INSTITUTE
ACP	ASPHALTIC CONCRETE PAVING
ACR	ACROSS
ACST	ACOUSTIC
AD	AREA DRAIN
ADA	AMERICANS WITH DISABILITIES ACT
ADDL	ADDITIONAL
ADDM	ADDENDUM
ADJ	ADJACENT/ADJOINING
ADMIN	ADMINISTRATION
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AFS	ABOVE FINISHED SLAB
AGGR	AGGREGATE
AHR	ANCHOR
AIA	AMERICAN INSTITUTE OF ARCHITECTS
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
AISI	AMERICAN IRON AND STEEL INSTITUTE
AITC	AMERICAN INSTITUTE OF TIMBER CONSTRUCTION
ALNMT	ALIGNMENT
ALT	ALTERNATE, ALTERNATIVE
ALUM	ALUMINUM
AMT	AMOUNT
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APA	AMERICAN PLYWOOD ASSOCIATION
APPD	APPROVED
APPROX	APPROXIMATE
APPX	APPENDIX
AR	AS REQUIRED
ARCH	ARCHITECT
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS
ASPH	ASPHALT
ASI	ARCHITECT'S SUPPLEMENTAL INSTRUCTIONS
ASSN	ASSOCIATION
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
ATCH	ATTACHMENT
ATTN	ATTENTION
AWS	AMERICAN WELDING SOCIETY
AZ	AZIMUTH
B&F	BELL AND FLANGE
BAL	BALANCE
B/B	BACK TO BACK
BC	BOTTOM CHORD
BD	BOARD
BDRY	BOUNDARY
BEV	BEVEL
BFF	BELOW FINISH FLOOR
BKG	BACKING
BKGD	BACKGROUND
BLD	BUILD
BLDG	BUILDING
BLK	BLOCK/BLOCKING
BLT	BUILT
BLVD	BOULEVARD
BLW	BELOW
BM	BEAM
BO	BOTTOM OF
BOS	BOTTOM OF STEEL
BOT	BOTTOM
B PL	BASE PLATE
BRCG	BRACING
BRDG	BRIDGING
BRG	BEARING
BRG PL	BEARING PLATE
BS	BOTH SIDES
BSMT	BASEMENT
BT WLD	BUTT WELD
BTWN	BETWEEN
C	CHANNEL
C/C	CENTER TO CENTER
CAM	CAMBER
CAN	CANOPY
CD	CONSTRUCTION DOCUMENTS, CONTRACT DOCUMENTS
CEM	CEMENT
CHFR	CHAMFER
CHKD	CHECKED/CHECKERED
CI	CAST IRON
CIP	CAST-IN-PLACE
CJ	CONSTRUCTION JOINT
CJ	CONTRACTION JOINT
CJ	CONTROL JOINT
CL	CENTER LINE
CLG	CEILING
CLR	CLEAR
cm	CENTIMETER
CMU	CONCRETE MASONRY UNIT
CO	COMPANY
COA	CITY OF ALBUQUERQUE
COL	COLUMN
COM	COMMON
CONC	CONCRETE
CONN	CONNECTION
CONSTR	CONSTRUCTION
CONT	CONTINUOUS, CONTINUE
CONTR	CONTRACTOR
COORD	COORDINATE
CRSI	CONCRETE REINFORCING STEEL INSTITUTE
CSI	CONSTRUCTION SPECIFICATIONS INSTITUTE
CTR	CENTER
CTRL	CONTROL
CU	CUBIC
CU YD	CUBIC YARD
D	DEEP, DEPTH
D-B	DESIGN-BUILD
DAT	DATUM
DBL	DOUBLE
DEG	DEGREE
DEL	DELETE
DEMO	DEMOLITION
DET	DETAIL
DEV	DEVELOPMENT
DFTG	DRAFTING
DIA	DIAMETER
DIAG	DIAGONAL
DIFF	DIFFERENCE, DIFFERENTIAL
DIM	DIMENSION
DIST	DISTANCE
DIV	DIVIDE
DJ	DOUBLE JOIST
DL	DEAD LOAD
DOC	DOCUMENT
DOUG FIR	DOUGLAS FIR
DSGN	DESIGN
DWG	DRAWING
DWL/DWLS	DOWELS
E	EAST, MODULUS OF ELASTICITY
EA	EACH
EE	EACH END
EF	EACH FACE
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM
EJ	EXPANSION JOINT
EL	ELEVATION
ELAST	ELASTOMERIC
ELEC	ELECTRIC
ELEM	ELEMENTARY
ELEV	ELEVATOR
EMBED	EMBEDDED / EMBEDMENT
ENCL	ENCLOSURE
ENGR	ENGINEER
EOS	EDGE OF SLAB
EPA	ENVIRONMENTAL PROTECTION AGENCY
EQ	EQUAL
EQUIP	EQUIPMENT

ABBREVIATIONS

EQUIV	EQUIVALENT
ESCAL	ESCALATOR
ESMT	EASEMENT
EST	ESTIMATE
ETC	ET CETERA
EW	EACH WAY
EX	EXAMPLE
EXC	EXCAVATE
EXCL	EXCLUDE
EXIST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
F/F	FACE TO FACE
FAB	FABRIC
FACIL	FACILITY
FB	FLAT BAR
FD	FLOOR DRAIN
FDTN	FOUNDATION
FF	FAR FACE
FF EL	FINISH FLOOR ELEVATION
FIN GR	FINISH GRADE
FH	FLAT HEAD
FIN	FINISH
FIN FLR	FINISH FLOOR
FLG	FLANGE
FLR	FLOOR
FLR SK	FLOOR SINK
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOM	FACE OF MASONRY
FOS	FACE OF SLAB
FOS	FACE OF STUD
FOW	FACE OF WALL
FR	FRAME
FRMG	FRAMING
FS	FAR SIDE
FSTNR	FASTENER
FT	FOOT / FEET
FT/LB	FOOT/POUND
FT/LBF	FOOT/POUND FORCE
FTG	FOOTING
FUT	FUTURE
G	GIRDER
GA	GAGE
GALV	GALVANIZED
GALV STL	GALVANIZED STEEL
GR BM	GRADE BEAM
GC	GENERAL CONTRACTOR
GEN	GENERAL
GLU LAM	GLUED LAMINATED WOOD
GLZ	GLAZING
GOVT	GOVERNMENT
GRTG	GRATING
GT	GROUT
H	HIGH
HAS	HEADED ANCHOR STUD
HC	HOLLOW-CORE
HCP	HANDICAPPED
HD	HEAVY DUTY
HGR	HANGER
HLDN	HOLDDOWN
HORIZ	HORIZONTAL
HS	HIGH STRENGTH
HSKPG	HOUSEKEEPING
HSS	HOLLOW STRUCTURAL SECTIONS
HST	HOIST
HT	HEIGHT
IBC	INTERNATIONAL BUILDING CODE
ID	INSIDE DIAMETER
IF	INSIDE FACE
IFS	INSIDE FACE OF STUD
IN	INCH
INCL	INCLUDED
INFO	INFORMATION
IN-LB	INCH-POUND
IN-LBF	INCH-POUND FORCE
INSTL	INSTALL
INSUL	INSULATION
INT	INTERIOR
IR	INSIDE RADIUS
k	KIP
K	THOUSAND
KB	KNEE BRACE
KCJ	KEYED CONTROL JOINT
KIP	THOUSAND POUNDS
KIP FT	THOUSAND FOOT/POUNDS
KLF	KIPS PER LINEAL FOOT
KO	KNOCK OUT
KOP	KNOCK OUT PANEL
KSF	KIPS PER SQUARE FOOT
KSI	KIPS PER SQUARE INCH
L	ANGLE
LAM	LAMINATE
LATL	LATERAL
LBF	POUND-FORCE
LBR	LUMBER
LBS	POUND
LD BRG	LOAD BEARING
LF	LINEAR FEET (FOOT)
LIN	LINEAR
LL	LIVE LOAD
LLBB	LONG LEG BACK TO BACK
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LONG	LONGITUDINAL
LT GA	LIGHT GAGE
LT WT	LIGHT WEIGHT
LVR	LOUVER
LWC	LIGHTWEIGHT CONCRETE
M	MOMENT
MAINT	MAINTENANCE
MATL	MATERIAL
MAX	MAXIMUM
MB	MACHINE BOLT
MC	MOMENT CONNECTION
MCJ	MASONRY CONTROL JOINT
MD	METAL DECK
ME	MECHANICAL ENGINEER
MECH	MECHANICAL
MEZZ	MEZZANINE
MFR	MANUFACTURER
MID	MIDDLE
MIN	MINIMUM
MISC	MISCELLANEOUS
ML	MICRO-LAMINATED
ML	MONOLITHIC
MO	MASONRY OPENING
MS	MACHINE SCREW
MSL	MEAN SEA LEVEL
MTL	METAL
N	NORTH
NA	NOT APPLICABLE
NF	NEAR FACE
NIC	NOT IN CONTRACT
NM	NEW MEXICO
NO	NUMBER
NOM	NOMINAL
NS	NEAR SIDE
NTS	NOT TO SCALE
O/O	OUT TO OUT
OA	OVERALL
OC	ON CENTER
OD	OUTSIDE DIAMETER
OF	OUTSIDE FACE
OFS	OUTSIDE FACE OF STUD
OPH	OPPOSITE HAND
OPNG	OPENING
OPP	OPPOSITE
OPT	OPTIONAL
OR	OUTSIDE RADIUS
PAR	PARALLEL, PARAPET
PART	PARTIAL

ABBREVIATIONS

PC	PIECE, PORTLAND CEMENT
PCC	PRECAST CONCRETE
PCF	POUNDS PER CUBIC FOOT
PCI	PRECAST/PRESTRESSED CONCRETE INSTITUTE
PED	PEDESTAL
PEN	PENETRATE
PERIM	PERIMETER
PERP	PERPENDICULAR
PH	PHASE
PIL	PILASTER
PL	PLATE
PLAT	PLATFORM
PLBG	PLUMBING
PLF	POUNDS PER LINEAR FOOT
PLM	PARALLAM
PLYWD	PLYWOOD
POS	POSITION
PP	PANEL POINT
PRCST	PRECAST
PREFAB	PREFABRICATE
PRELIM	PRELIMINARY
PREV	PREVIOUS
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POST-TENSIONED
PT CONC	POST-TENSIONED CONCRETE
PTN	PARTITION
PVG	PAVING
QTY	QUANTITY
QUAD	QUADRANT
R	RADIUS, RISER
RC	REINFORCED CONCRETE
RD	ROAD, ROOF DRAIN
REC	RECESSED
REF	REFERENCE
REINF	REINFORCE/REINFORCEMENT
REPL	REPLACE
REQ	REQUIRE
REQD	REQUIRED
REV	REVISION
RGD INS	RIGID INSULATION
RFI	REQUEST FOR INFORMATION
RND	ROUND
RO	ROUGH OPENING
RT	RIGHT
RVL	REVEAL
S	SOUTH
SCHEM	SCHEMATIC
SCHED	SCHEDULE
SD	SHOP DRAWINGS
SDI	STEEL DECK INSTITUTE
SDL	SADDLE
SE	STRUCTURAL ENGINEER
SECT	SECTION
SF	SQUARE FEET (FOOT)
SHT	SHEET, SHAFT
SHTHG	SHEATHING
SIM	SIMILAR
SJI	STEEL JOIST INSTITUTE
SLNT	SEALANT
SM	SMOOTH
SP	SUMP PIT
SPA	SPACE/SPACES
SPEC	SPECIFICATION
SPRT	SUPPORT
SQ	SQUARE
SQ IN	SQUARE INCH
SQ YD	SQUARE YARD
SSPC	STRUCTURAL STEEL PAINTING COUNCIL
ST	STAIRS
STAG	STAGGERED
STD	STANDARD
STIF	STIFFENER
STIR	STIRRUP
STAG	STAGGERED
STD	STANDARD
STIF	STIFFENER
STIR	STIRRUP
STL	STEEL
STL LNTL	STEEL LINTEL
STL	JST STEEL JOIST
STL PL	STEEL PLATE
STL RF DK	STEEL ROOF DECK
STR	STRINGERS
STRUCT	STRUCTURAL
SUB	SUBSTITUTE
SUF	SUFFICIENT
SUP	SUPPLEMENTARY
SUPPL	SUPPLEMENT
SYM	SYMBOL
SYMM	SYMMETRICAL
SYS	SYSTEM
T	TREAD
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
TAN	TANGENT
TB	THRU BOLT
TEMP	TEMPORARY
THD	THREAD
THK	THICKNESS
THRU	THROUGH
TJI	TRUSS JOIST INSTITUTE
TO	TOP OF
TOB	TOP OF BEAM
TOC	TOP OF CONCRETE
TOC FTG	TOP OF CONCRETE FOOTING
TOC WALL	TOP OF CONCRETE WALL
TOF	TOP OF FOOTING
TOG	TOP OF GRATE
TOJ	TOP OF JOIST
TOL	TOLERANCE
TOM	TOP OF MASONRY
TOP	TOP OF PARAPET
TOS	TOP OF SLAB
TOS	TOP OF STEEL
TOW	TOP OF WALL
TRANS	TRANSVERSE
TRNBKL	TURNBUCKLE
TYP	TYPICAL
UBC	UNIFORM BUILDING CODE
UNO	UNLESS NOTED OTHERWISE
VAR	VARIES
VERT	VERTICAL
VIF	VERIFY IN FIELD
VNR	VENEER
VR	VAPOR RETARDER
VRFY	VERIFY
W	WEST, WIDE
W/	WITH
W/O	WITHOUT
WBL	WOOD BLOCKING
WD	WOOD
WF	WIDE FLANGE
WF BM	WIDE FLANGE BEAM
WL	WIND LOAD
WLD	WELDED
WM	WIRE MESH
WP	WATERPROOFING
WSCT	WAINSCOT
WT	WEIGHT
WWF	WELDED WIRE FABRIC
WWM	WELDED WIRE MESH
X BRACE	CROSS BRACING
XXH	DOUBLE EXTRA HEAVY
YD	YARD

GENERAL FOUNDATION NOTES

FOUNDATION NOTES

GENERAL:

THE FOUNDATION NOTES INCLUDED HEREIN ARE A SUMMARY OF THE REQUIREMENTS OF THE PROJECT GEOTECHNICAL REPORT. THESE NOTES ARE PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR ONLY.

IF THERE ARE DISCREPANCIES BETWEEN THE FOUNDATION NOTES AND THE PROJECT GEOTECHNICAL REPORT, THE PROJECT GEOTECHNICAL REPORT SHALL GOVERN.

A SUBSURFACE GEOTECHNICAL INVESTIGATION HAS BEEN MADE BY UES PROFESSIONAL SOLUTIONS, LLC, PROJECT NO. A26139.00190.001 AND REPORT NO. 2163464v2.

A REPORT OF THAT INVESTIGATION DATED MARCH 25, 2026, WITH REVISION DATE APRIL 16, 2026, IS AVAILABLE FOR VIEWING IN THE PROJECT MANUAL.

THE FOUNDATION SYSTEM FOR THIS PROJECT IS SPREAD FOOTINGS OVER STRUCTURAL FILL.

THE SLAB-ON-GRADE FOR THIS PROJECT WAS NOT DESIGNED AS A STRUCTURAL DIAPHRAGM.

ADDITIONAL INFORMATION CONCERNING THE SPECIFIC SITE SOIL CONDITIONS TO BE ENCOUNTERED ARE IN THE PROJECT GEOTECHNICAL REPORT AND SHALL BE REVIEWED AND FULLY UNDERSTOOD BY THE CONTRACTOR.

IF THERE ARE ANY QUESTIONS REGARDING THE REQUIREMENTS OF THE PROJECT GEOTECHNICAL REPORT, THE CONTRACTOR SHALL ISSUE RFI'S (REQUESTS FOR INFORMATION) TO THE ARCHITECT FOR CLARIFICATION. EARTHWORK SHALL NOT PROCEED UNTIL THE REQUIREMENTS OF THE PROJECT GEOTECHNICAL REPORT ARE FULLY UNDERSTOOD BY THE CONTRACTOR.

FIELD OBSERVATION AND TESTS:

THE OWNER SHALL EMPLOY THE SERVICES OF A REGISTERED, LICENSED GEOTECHNICAL ENGINEER TO OBSERVE ALL CONTROLLED EARTHWORK. THE GEOTECHNICAL ENGINEER SHALL PROVIDE CONTINUOUS ON-SITE OBSERVATION BY EXPERIENCED PERSONNEL DURING CONSTRUCTION OF CONTROLLED EARTHWORK. THE CONTRACTOR SHALL NOTIFY THE GEOTECHNICAL ENGINEER AT LEAST TWO WORKING DAYS IN ADVANCE OF ANY FIELD OPERATIONS OF THE CONTROLLED EARTHWORK.

TESTS OF MATERIALS SHALL BE MADE AT THE FOLLOWING MINIMUM RATES. THE ON-SITE GEOTECHNICAL ENGINEER SHALL DETERMINE THE ACTUAL TESTING RATES:

- ONE FIELD DENSITY TEST PER 2500 SQUARE FEET OF COMPACTED SUBGRADE, PRIOR TO PLACING STRUCTURAL FILL OR SLAB-ON-GRADE, WITH A MINIMUM OF 4 TESTS.
- ONE FIELD DENSITY TEST PER 2500 SQUARE FEET OF STRUCTURAL FILL PLACED OR PER EACH HORIZONTAL LAYER OF STRUCTURAL FILL, WHICHEVER IS THE GREATER NUMBER OF TESTS.
- ONE MOISTURE-DENSITY CURVE FOR EACH TYPE OF MATERIAL USED, AS INDICATED BY THE SIEVE ANALYSIS AND THE PLASTICITY INDEX.

THE GEOTECHNICAL ENGINEER SHALL SUBMIT THE RESULTS OF ALL REQUIRED TESTS.

CLEARING AND GRUBBING:

REMOVE ALL BRUSH, RUBBISH, GRASS, AND GRASS ROOTS FROM THE CONSTRUCTION AREA.

REMOVE STUMPS, MATTED ROOTS AND ROCKS LARGER THAN 2 INCHES IN DIAMETER WITHIN 6 INCHES OF THE SURFACE OF AREAS ON WHICH FILL AND/OR FOOTINGS ARE TO BE CONSTRUCTED.

REMOVE ALL TOPSOIL FROM THE CONSTRUCTION AREA. THIS MATERIAL SHALL NOT BE USED AS FILL MATERIAL, BUT MAY BE STOCKPILED AND LATER USED IN THE TOP 6 INCHES OF FILL OUTSIDE THE BUILDING PAD.

SITE, SUBFLOOR AND BEARING SURFACE PREPARATION:

A REPRESENTATIVE OF THE GEOTECHNICAL ENGINEER SHALL BE PRESENT TO CONFIRM COMPLETE EXCAVATION OF ANY UNCONTROLLED FILL.

OVEREXCAVATE ALL SOILS UNDERLYING FOOTINGS AND FLOOR SLAB AND ALL UNCONTROLLED FILL TO A MINIMUM DEPTH OF 2 FEET.

SCARIFY ALL EXPOSED SUBGRADE SOILS TO A DEPTH OF 6 TO 12 INCHES, MOISTEN TO OPTIMUM MOISTURE CONTENT (+/- 2%) AND COMPACT TO THE DENSITY SPECIFIED HEREINAFTER.

PLACE ALL STRUCTURAL FILL IN APPROXIMATELY HORIZONTAL LAYERS NOT GREATER THAN 12 INCHES IN LOOSE THICKNESS, MOISTEN TO OPTIMUM MOISTURE CONTENT (+/- 2%) AND COMPACT TO DENSITY SPECIFIED HEREINAFTER.

ALL EARTHWORK FOR THE BUILDING PAD SHALL EXTEND A MINIMUM OF 5 FEET BEYOND THE PERIMETER FOOTINGS.

ALL PAVING, SIDEWALKS, AND EXPOSED GRADE DIRECTLY ADJACENT TO THE EXTERIOR WALLS OF THE BUILDING SHALL POSITIVELY DRAIN AWAY FROM THE BUILDING. SEE THE PROJECT GEOTECHNICAL REPORT FOR THE SPECIFIC POSITIVE DRAINAGE REQUIREMENTS AND ANY REQUIREMENTS REGARDING PLANTERS, VEGETATION AND IRRIGATION.

STRUCTURAL FILL REQUIREMENTS:

PER GEOTECHNICAL REPORT ALL FILL SHOULD CONSIST OF CLEAN SAND.

GRADATION (ASTM D422):

SIEVE SIZE	PERCENT PASSING BY WEIGHT
NO. 200	< 10

NO BRUSH, SOD, FROZEN MATERIAL OR OTHER UNSUITABLE MATERIAL SHALL BE PLACED IN THE STRUCTURAL FILL. MATERIAL SHALL BE PLACED IN SUCH A MANNER AS TO RESULT IN A UNIFORMLY COMPACTED FILL.

BASED ON THE REQUIREMENTS FOR THE STRUCTURAL FILL AND THE DESCRIPTION OF THE EXISTING SITE SOILS IN THE PROJECT GEOTECHNICAL REPORT, THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE MOST APPROPRIATE METHOD FOR PROVIDING THE REQUIRED STRUCTURAL FILL. DEPENDING ON THE SITE CONDITIONS, APPROPRIATE METHODS COULD INCLUDE REBLENDING OF THE EXISTING SITE SOILS, MIXING THE EXISTING SITE SOILS WITH IMPORTED FILL, OR REMOVING THE EXISTING SITE SOILS ENTIRELY AND REPLACING WITH IMPORTED FILL.

COMPACTION REQUIREMENTS:

IN ACCORDANCE WITH ASTM D1557 (MODIFIED PROCTOR), SUBGRADE SOILS AND STRUCTURAL FILL MATERIALS SHALL BE COMPACTED TO THE FOLLOWING PERCENTAGES OF THE MAXIMUM DRY DENSITY AT [+/- 2%] OPTIMUM MOISTURE CONTENT:

MATERIAL	MINIMUM PERCENT COMPACTION
STRUCTURAL FILL IN THE BUILDING AREA	95
SUBBASE FOR SLAB SUPPORT	95
SUBGRADE BELOW STRUCTURAL FILL	95
MISCELLANEOUS BACKFILL	90

ONCE THE STRUCTURAL FILL HAS BEEN PLACED, COMPACTED, TESTED AND IS IN COMPLIANCE WITH PROJECT SPECIFICATIONS, ANY TRENCHING BY SUBCONTRACTORS OR OTHERS SHALL BE BACKFILLED AND RETESTED FOR COMPACTION. SUBMIT RESULTS OF RETESTING TO THE OWNER, ARCHITECT, AND GENERAL CONTRACTOR.

Salas O'Brien
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Nashville
2950 Kraft Drive
Seattle, TN 37204

PROFESSIONAL SEAL



Nathan B Mensay

NUCLEI

PROJECT SUNSHINE

BUILDING 1

810 PACE RD.
AUBURNDALE, FL 33823

ISSUE DATE	DESCRIPTION
09/21/2026	REVISED FIT-UP IFP

Δ	DESCRIPTION	DATE

ISSUE:

PROJ NO
2540-01309

CHECKED BY CR/NT/PD
DRAWN BY DW/KH

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SHEET TITLE

ABBREVIATIONS AND LEGEND

SHEET NUMBER

BLDG1-S001-A

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GENERAL STRUCTURAL NOTES

CODES AND MANUALS:

FBC-23: FLORIDA BUILDING CODE 8TH EDITION 2023
IEBC-2021: INTERNATIONAL EXISTING BUILDING CODE 2021
IBC-21: INTERNATIONAL BUILDING CODE 2021
ASCE/SEI 7-22: MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES
AISC 360-16: SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS
AISC MANUAL OF STEEL CONSTRUCTION 15TH EDITION, WHICH INCLUDES THE AISC CODE OF STANDARD PRACTICE
SDI DIAPHRAGM DESIGN MANUAL, 4TH EDITION
ACI 318-19: BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
AWS D1.1-10: STRUCTURAL WELDING CODE – STEEL

DESIGN CRITERIA:

VERTICAL:

ROOF LIVE LOAD: (REDUCIBLE)	20 PSF
SNOW LOAD	
GROUND SNOW LOAD	PG = 4 PSF

HORIZONTAL:

WIND	
ULTIMATE DESIGN WIND SPEED	140 MPH
NOMINAL DESIGN WIND SPEED	108 MPH
RISK CATEGORY	II
EXPOSURE	C
INTERNAL PRESSURE COEFFICIENT	GCPI = 0.18
SEISMIC	
SEISMIC IMPORTANCE FACTOR	IE = 1.0
MAPPED SPECTRAL RESPONSE ACCELERATIONS	
SHORT PERIOD	SS=0.075G
1 SECOND PERIOD	S1=0.032G
SITE CLASS	D
SPECTRAL RESPONSE COEFFICIENTS	
SHORT PERIOD	SDS=0.067G
1 SECOND PERIOD	SD1=0.046G
SEISMIC DESIGN CATEGORY	A
ALLOWABLE SOIL BEARING PRESSURE = 3000 PSF	DATA CENTER STRUCTURE
3500 PSF	EQUIPMENT PADS AND SERVICE YARD STRUCTURE

FUTURE BUILDING EXPANSION: NONE

GENERAL:

STRUCTURAL DRAWINGS ARE NOT STAND-ALONE DOCUMENTS AND ARE INTENDED TO BE USED IN CONJUNCTION WITH CIVIL, ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND DRAWINGS FROM OTHER DISCIPLINES. THE CONTRACTOR SHALL COORDINATE ALL REQUIREMENTS OF THE CONTRACT DOCUMENTS INTO THE SHOP DRAWINGS AND FIELD WORK.

COORDINATE DIMENSIONS OF ALL OPENINGS, DEPRESSIONS, BLOCKOUTS, ETC. WITH ARCHITECTURAL DRAWINGS, DRAWINGS FROM OTHER DISCIPLINES, PROJECT SHOP DRAWINGS, AND FIELD CONDITIONS PRIOR TO SHOP DRAWING SUBMITTAL. THE STRUCTURAL DRAWINGS ONLY REPRESENT A PORTION OF THE REQUIREMENTS FOR THE PROJECT.

SEE ARCHITECTURAL PLANS FOR INTERIOR NON-BEARING PARTITION WALLS. PARTITION FRAMING SHALL BE CONNECTED TO THE PRIMARY STRUCTURE TO ALLOW FOR VERTICAL LIVE LOAD DEFLECTIONS OF SPAN/360 FOR FLOOR FRAMING AND SPAN/240 FOR ROOF FRAMING.

CONTRACTOR'S CONSTRUCTION AND/OR ERECTION SEQUENCES SHALL RECOGNIZE AND CONSIDER THE EFFECTS OF THERMAL MOVEMENTS OF STRUCTURAL ELEMENTS DURING THE CONSTRUCTION PERIOD.

THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD.

SHOP DRAWINGS SHALL BE FURNISHED AND REVIEWED BEFORE ANY FABRICATION OR ERECTION IS STARTED. THE CONTRACTOR SHALL REVIEW AND APPROVE SHOP DRAWINGS PRIOR TO SUBMITTAL TO THE ARCHITECT FOR REVIEW. POORLY EXECUTED SHOP DRAWINGS WILL BE REJECTED AND SHALL BE RESUBMITTED.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SAFE AND ADEQUATE SHORING FOR ALL PARTS OF THE STRUCTURE DURING CONSTRUCTION.

TEMPORARY PROVISIONS SHALL BE MADE FOR STRUCTURAL STABILITY DURING CONSTRUCTION. THE STRUCTURE SHOWN ON THE DRAWINGS HAS BEEN DESIGNED FOR STABILITY UNDER FINAL CONFIGURATION.

NOTCHING OR CUTTING ANY STRUCTURAL MEMBER IN THE FIELD IS PROHIBITED.

THE CONTRACTOR SHALL VERIFY THE SIZE AND LOCATION OF FOUNDATIONS UNDER MECHANICAL AND ELECTRICAL EQUIPMENT AS REQUIRED. NO CONCRETE PADS SHALL BE LOCATED ON ROOF UNLESS SHOWN ON THE STRUCTURAL DRAWINGS.

REMOVAL OF FORMS AND SHORING SHALL BE IN ACCORDANCE WITH ACI 347. WHERE CONCRETE MUST SUPPORT SUPERIMPOSED LOADS PRIOR TO ATTAINING THE SPECIFIED DESIGN STRENGTH, RE-SHORE CONCRETE IN ACCORDANCE WITH ACI 347. RESHORING SHALL NOT BE REMOVED SOONER THAN 28 DAYS FROM THE DATE OF POUR OR UNTIL CONCRETE HAS ATTAINED THE SPECIFIED DESIGN STRENGTH.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADHERING TO ALL APPLICABLE STANDARDS SET FORTH BY OSHA, INCLUDING THE FOLLOWING REQUIREMENTS FROM STANDARDS - 29 CFR, SECTION 1926, SUBPART R:

A. THE STEEL ERECTION CONTRACTOR SHALL NOT ERECT STEEL UNLESS THEY HAVE RECEIVED WRITTEN NOTIFICATION FROM THE CONTRACTOR THAT THE CONCRETE IN THE FOOTINGS, PIERS AND WALLS OR THE MORTAR IN THE MASONRY PIERS AND WALLS HAS ATTAINED, ON THE BASIS OF AN APPROPRIATE ASTM STANDARD TEST METHOD OF FIELD-CURED SAMPLES, EITHER 75 PERCENT OF THE INTENDED MINIMUM COMPRESSIVE DESIGN STRENGTH OR SUFFICIENT STRENGTH TO SUPPORT THE LOADS IMPOSED DURING STEEL ERECTION.

   PROVIDE STRUCTURAL ENGINEER A COPY OF WRITTEN NOTIFICATION WHEN IT IS PROVIDED TO THE STEEL ERECTOR.

B. ANCHOR RODS (ANCHOR BOLTS) SHALL NOT BE REPAIRED, REPLACED OR FIELD-MODIFIED WITHOUT THE APPROVAL OF THE PROJECT STRUCTURAL ENGINEER OF RECORD.

   PRIOR TO ERECTION OF COLUMNS, THE CONTRACTOR SHALL PROVIDE WRITTEN NOTIFICATION TO THE STEEL ERECTOR IF THERE HAS BEEN ANY REPAIR, REPLACEMENT OR MODIFICATION OF THE ANCHOR RODS (ANCHOR BOLTS).

   PROVIDE STRUCTURAL ENGINEER A COPY OF WRITTEN NOTIFICATION WHEN IT IS PROVIDED TO THE STEEL ERECTOR.

C. NO MODIFICATION THAT AFFECTS THE STRENGTH OF A STEEL JOIST OR STEEL JOIST GIRDER SHALL BE MADE WITHOUT THE APPROVAL OF THE PROJECT STRUCTURAL ENGINEER OF RECORD.

D. METAL DECKING HOLES AND OPENINGS SHALL NOT BE CUT UNTIL IMMEDIATELY PRIOR TO BEING PERMANENTLY FILLED WITH THE EQUIPMENT OR STRUCTURE OR SHALL BE IMMEDIATELY COVERED.

PROTECTION: PROPER PRECAUTIONS SHALL BE TAKEN AT ALL TIMES TO PROTECT VEHICULAR AND PEDESTRIAN TRAFFIC FROM ANY DAMAGE OR INJURY WHICH MAY BE CAUSED, EITHER DIRECTLY OR INDIRECTLY, BY THE WORK INCLUDED ON THESE DRAWINGS. SUCH PRECAUTIONS SHALL INCLUDE THE ERECTION AND MAINTENANCE OF FENCES, BARRICADES, RAILINGS, GUARDS, SIGNS, COVERINGS, LIGHTS, AND OTHER PRECAUTIONS AS MAY BE REQUIRED. IF AT ANY TIME, IN THE OPINION OF THE OWNER OR THE OWNER'S REPRESENTATIVE, PROPER PRECAUTIONS ARE NOT BEING TAKEN TO SECURE THIS PROTECTION, THE CONTRACTOR SHALL AT NO ADDITIONAL COST TO THE OWNER, INSTALL AND MAINTAIN SUCH ADDITIONAL PROTECTION AS MAY BE DIRECTED BY THE OWNER.

POLLUTION CONTROLS: USE WATER SPRINKLING, TEMPORARY ENCLOSURES, AND OTHER SUITABLE METHODS TO LIMIT DUST AND DIRT RISING AND SCATTERING IN THE AIR TO LOWEST PRACTICAL LEVEL. COMPLY WITH GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.

TYPICAL DETAIL SHEETS:

THE S-700 SERIES SHEETS IN THESE DRAWINGS CONTAIN TYPICAL STRUCTURAL DETAILS FOR VARIOUS BUILDING MATERIALS. SOME OF THESE DETAILS MAY NOT BE PART OF THIS PROJECT.

THE TYPICAL DETAILS SHALL BE USED WHEN SPECIFIC DETAILS ARE NOT REFERENCED ON THE DRAWINGS. THE APPROPRIATE CONDITIONS FOR USE OF THE TYPICAL DETAILS ARE REFERENCED IN THEIR TITLES.

DRAWINGS:

DO NOT SCALE DRAWINGS.

WHERE DISCREPANCIES OCCUR BETWEEN PLANS, DETAILS, GENERAL NOTES, AND SPECIFICATIONS, THE MORE STRINGENT REQUIREMENTS SHALL GOVERN. DETAILS ON DRAWINGS TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. DETAILS NOTED "TYPICAL" APPLY TO ALL SIMILAR CONDITIONS. WHERE NO SPECIFIC DETAILS ARE SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ELSEWHERE ON THE PROJECT.

GENERAL STRUCTURAL NOTES

FAST-TRACK/PHASED CONSTRUCTION:

DUE TO THE ACCELERATED DESIGN SCHEDULE FOR THIS PROJECT, THE OWNER, ARCHITECT, AND CONTRACTOR SHALL BE AWARE THAT THIS TYPE OF A SCHEDULE CREATES INHERENT RISK OF FUTURE CHANGES DUE TO DESIGN COORDINATION WITH OTHER DISCIPLINES. WHILE EVERY EFFORT HAS BEEN MADE TO MINIMIZE THESE CHANGES, THE RISK OF ADDED COSTS DUE TO THESE CHANGES SHALL BE UNDERSTOOD AND ACCEPTED BY ALL PARTIES.

DRAWINGS THAT DO NOT HAVE AN ENGINEERING SEAL BY THE STRUCTURAL ENGINEER OF RECORD OR NOT LABELED AS CONSTRUCTION DRAWINGS ARE PRELIMINARY AND SUBJECT TO CHANGE. IF THESE DOCUMENTS ARE BEING USED FOR PRICING, BIDDING, STEEL MILL ORDER, OR PREPARATION OF SHOP DRAWINGS, THE CONTRACTOR SHALL ANTICIPATE FUTURE DRAWING REVISIONS THAT MAY AFFECT THIS WORK OR INCREASE CONSTRUCTION COSTS. THE STRUCTURAL ENGINEER SHALL NOT BE RESPONSIBLE FOR ANY CHANGE ORDER COSTS INCURRED DUE TO THESE DRAWING REVISIONS, AND THE CONTRACTOR SHALL CONSIDER THESE ANTICIPATED COSTS IN ANY BIDS OR PRICE GUARANTEES TO THE OWNER.

USE THE MOST CURRENT SET OF DRAWINGS IN PREPARATION OF ALL SUBMITTALS. ALL SUBMITTALS SHALL LIST THE DATE OF THE DRAWINGS USED TO PREPARE THE SUBMITTAL. SUBMITTALS PREPARED FROM OUTDATED DRAWINGS MAY BE REJECTED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING THE LATEST SET OF CONSTRUCTION DRAWINGS AND DISTRIBUTING TO THE APPROPRIATE PARTIES.

CAST-IN-PLACE CONCRETE:

ALL CONCRETE SHALL CONFORM TO THE SPECIFICATIONS FOR STRUCTURAL CONCRETE, ACI 301-20.

ALL EXPOSED EDGES OF CONCRETE SHALL HAVE A 3/4" CHAMFER UNLESS NOTED OTHERWISE.

NORMALWEIGHT CONCRETE:

A. F'C = 3500 PSI @ 28 DAYS – ALL CONCRETE EXPOSED TO FREEZE/THAW CYCLES AND OCCASIONAL MOISTURE, INCLUDING CONCRETE FLAT WORK, EXPOSED BUILDING STEM WALLS, SITE WALLS, ETC...
   EXTERIOR CONCRETE SHALL MEET EXPOSURE CATEGORY AND CLASS F1 ACCORDING TO ACI 318 TABLE 19.3.1.1.
B. F'C = 3000 PSI @ 28 DAYS - ALL INTERIOR CONCRETE (I.E. FOOTINGS, PEDESTALS, TIE BEAMS, GRADE BEAMS, INTERIOR RETAINING WALLS, ETC.).
C. F'C = 3000 PSI @ 28 DAYS - ALL INTERIOR SLABS ON GRADE, UNLESS NOTED OTHERWISE.

CONCRETE MIX DESIGNS (INCLUDING AIR CONTENT, WATER TO CEMENT RATIOS, AND OTHER CRITERIA) SHALL CONFORM TO THE REQUIREMENTS SET FORTH IN ACI 318 TABLE 19.3.2.1, BASED ON THE EXPOSURE CATEGORIES AND CLASSES DEFINED IN ACI 318 TABLE 19.3.1.1. USE AIR ENTRAINING ADMIXTURE IN ALL EXTERIOR CONCRETE. AIR CONTENT IN FIRE RATED SLABS SHALL ALSO COMPLY WITH THE REQUIREMENTS IN THE SPECIFIED UL LISTING.

COLD WEATHER CONCRETING: PROTECT CONCRETE WORK FROM PHYSICAL DAMAGE OR REDUCED STRENGTH CAUSED BY FROST, FREEZING OR LOW TEMPERATURES. COMPLY WITH ACI 306.1.

HOT WEATHER CONCRETING: WHEN HOT WEATHER CONDITIONS EXIST THAT WOULD IMPAIR THE QUALITY AND STRENGTH OF THE CONCRETE, REDUCE DELIVERY TIME OF READY-MIX CONCRETE, LOWER THE TEMPERATURE OF MATERIALS, OR ADD RETARDER TO ENSURE THAT THE CONCRETE IS PLASTIC. RE-TEMPERING WITH WATER IS NOT ALLOWED. COMPLY WITH ACI 305R.

SLAB CURING: ALL INTERIOR CONCRETE SLABS, EXCEPT EXPOSED INTEGRALLY COLORED SLABS, ARE TO BE CURED WITH A MOISTURE RETAINING COVER FOR THE FIRST 7 DAYS (MINIMUM) AFTER PLACEMENT.

SAW-CUT CONTROL JOINTS IN SLABS-ON-GRADE SHALL NOT CUT THE SLAB REINFORCING.

THE CONTRACTOR IS ALLOWED TO CAST FOUNDATIONS AGAINST EXCAVATED SOIL SURFACES, PROVIDED THE FOLLOWING IS ADHERED TO:

A. THE SIDE SLOPES OF THE EXCAVATION SHALL BE ABLE TO MAINTAIN VERTICAL SLOPE WITHOUT SOIL SLOUGHAGE.
B. THE BOTTOM WIDTH OF THE EXCAVATION SHALL BE ONE INCH WIDER MINIMUM ON EACH SIDE THAN THE SPECIFIED FOOTING WIDTH.
C. THE SIDE WALLS OF THE EXCAVATION SHALL BE BATTERED A MINIMUM OF ONE INCH HORIZONTAL TO TWELVE INCHES VERTICAL.
D. IF SANDY OR LOOSE MATERIALS ARE ENCOUNTERED, THE FOOTING MUST BE FORMED.
E. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF ANY SOIL SLOUGHAGE FROM THE WET CONCRETE DURING THE CASTING OPERATION.
F. THE CONTRACTOR AGREES TO REMOVE AND RECAST ANY FOOTING WHERE THE ABOVE CONDITIONS ARE NOT MET.

EXPOSED SITE WALLS, RETAINING WALLS, AND STEM WALLS GREATER THAN 30 FEET IN LENGTH SHALL HAVE CONTROL JOINTS INSTALLED AT THE FOLLOWING MAXIMUM SPACING:

12'-0" ON CENTER FOR WALLS 6'-0" MAXIMUM HEIGHT
18'-0" ON CENTER FOR WALLS 10'-0" MAXIMUM HEIGHT
20'-0" ON CENTER FOR WALLS GREATER THAN 10'-0" IN HEIGHT

ALL CONCRETE EXPOSED TO GROUND SHALL BE MANUFACTURED WITH PORTLAND CEMENT TYPE II OR TYPE V.

COLUMN BASEPLATE GROUTING SHALL BE PERFORMED IN ACCORDANCE WITH THE "STRUCTURAL AND MISCELLANEOUS STEEL" SECTION OF THE GENERAL STRUCTURAL NOTES.

SEE SHEET S-711 FOR TYPICAL CONCRETE DETAILS.

REINFORCING STEEL:

ALL REINFORCING STEEL SHALL BE FABRICATED AND PLACED IN ACCORDANCE WITH THE BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318), AND DETAILS AND DETAILING OF CONCRETE REINFORCEMENT (ACI 315).

ALL REINFORCING STEEL SHALL CONFORM TO ASTM A615 GRADE 60; EXCEPT STIRRUPS, TIES AND INDICATED FIELD-BENT BARS, WHICH SHALL CONFORM TO ASTM A615 GRADE 40.

ALL WELDED WIRE FABRIC SHALL BE DEFORMED AND SHALL CONFORM TO ASTM A479. PROVIDE IN FLAT SHEETS ONLY.

TENSION AND COMPRESSION LAPS IN REINFORCING SHALL CONFORM TO THE LAP SPLICE SCHEDULE ON SHEET S-601 AND BE IN ACCORDANCE WITH ACI 318, CHAPTER 12, UNLESS NOTED OTHERWISE.

ALL HORIZONTAL REINFORCING IN FOOTINGS, WALLS AND BEAMS SHALL BE CONTINUOUS AROUND CORNERS OR HAVE BENT (CORNER) BARS OF THE SAME SIZE AND SPACING AS THE HORIZONTAL BARS AND LAP 30 BAR DIAMETERS (18" MINIMUM).

CONCRETE COVER FOR REINFORCING SHALL BE AS FOLLOWS UNLESS OTHERWISE NOTED

A. CONCRETE FOR FOUNDATIONS CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3"
B. CONCRETE CAST AGAINST FORMS BUT EXPOSED TO EARTH OR WEATHER:
   1. BARS LARGER THAN NO. 5: 2"
   2. BARS NO. 5 OR SMALLER: 1 1/2"
C. CONCRETE NOT EXPOSED TO WEATHER OR NOT IN CONTACT WITH GROUND:
   1. COLUMNS, GIRDERS AND BEAMS: 1 1/2"
   2. STRUCTURAL SLABS, WALLS AND JOISTS (NO. 11 AND SMALLER): 3/4"
D. 7" CONCRETE SLAB-ON-GRADE: 2" FROM TOP OF SLAB

FORM TIES SHALL BE EITHER OF THE THREADED OR SNAP-OFF TYPE SO THAT NO METAL WILL BE LEFT WITHIN 1 INCH OF THE SURFACE OF THE WALL. FOLLOWING REMOVAL OF FORM TIES, RECESSES ARE TO BE CAREFULLY FILLED AND POINTED WITH MORTAR.

REINFORCING SHALL NOT BE TACK WELDED OR WELDED IN ANY MANNER UNLESS SPECIFICALLY DETAILED ON THE STRUCTURAL PLANS.

BAR SUPPORTS AND SPACERS FOR REINFORCING SHALL BE PROVIDED IN ACCORDANCE WITH ACI 315-99. REINFORCING SHALL BE SECURELY TIED TO SUPPORTS.

CHAIRS WITH 22 GAGE SAND PLATES OR PRECAST BLOCKS SHALL BE PROVIDED FOR ALL REINFORCING OF CONCRETE IN CONTACT WITH GRADE.

DECK CHAIRS SHALL BE PROVIDED FOR ALL WELDED WIRE FABRIC IN SLABS OVER METAL DECK.

POST INSTALLED ANCHORS:

THE STRUCTURAL DESIGN IS BASED ON THE POST INSTALLED ANCHORING SYSTEMS NOTED BELOW. SINCE ANCHOR CAPACITIES VARY BY MANUFACTURER, THE CONTRACTOR SHALL USE ONLY THE SYSTEMS NOTED BELOW UNLESS AN ALTERNATE IS APPROVED BY THE ENGINEER OF RECORD. ALTERNATE ANCHORING SYSTEMS MAY REQUIRE RE-DESIGN TO VERIFY ANCHOR QUANTITIES, SPACING, AND EMBED DEPTHS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ADDITIONAL CONSTRUCTION AND RE-DESIGN COSTS ASSOCIATED WITH THE ALTERNATE ANCHORING SYSTEM.

INSTALLATION OF ALL POST-INSTALLED ANCHORS SHALL BE PER THE MANUFACTURER'S PRINTED INSTRUCTIONS.

ALL ADHESIVE (EPOXY OR ACRYLIC) FOR POST INSTALLED ANCHORS AND/OR REBAR INTO CONCRETE SHALL BE HILTI HIT-RE 500 V3 OR HIT-HY 200 EPOXY ADHESIVE ANCHORING SYSTEM.

ALL POST INSTALLED MECHANICAL ANCHORS INTO CONCRETE SHALL BE HILTI KWIK HUS EZ (KH-EZ) SCREW ANCHOR.

ANCHOR LENGTHS SHOWN FOR ATTACHMENT TO CONCRETE AND/OR MASONRY ARE REQUIRED EMBEDMENT LENGTHS. THE CONTRACTOR SHALL PROVIDE ANCHORS WITH ADDITIONAL LENGTH TO FACILITATE THE REQUIRED CONNECTION.

SUBMIT ALL PROPOSED ANCHORING SYSTEMS INCLUDING ICC-ES REPORTS TO STRUCTURAL ENGINEER FOR REVIEW PRIOR TO INSTALLATION. THE ICC–ES FORMS SHALL MEET THE REQUIREMENTS OF THE IBC EDITION REFERENCED IN THESE NOTES.

GENERAL STRUCTURAL NOTES

ALL POST-INSTALLED ANCHORS SHALL BE INSTALLED WITH SPECIAL INSPECTION AS DICTATED BY THE RESPECTIVE PRODUCT'S ICC-ES EVALUATION SERVICE REPORT

THE CONTRACTOR SHALL ARRANGE AN ANCHOR MANUFACTURER'S REPRESENTATIVE TO PROVIDE ONSITE INSTALLATION TRAINING, UNLESS ALL PERSONNEL INSTALLING ANCHORS ARE CERTIFIED IN ACCORDANCE WITH ACI/CRSI ADHESIVE ANCHOR INSTALLER CERTIFICATION PROGRAM, OR EQUIVALENT APPROVED BY THE ENGINEER OF RECORD.

INSTALLATION OF ADHESIVE ANCHORS IN HORIZONTAL TO VERTICALLY OVERHEAD ORIENTATION SHALL BE CONTINUOUSLY INSPECTED DURING INSTALLATION BY AN INSPECTOR SPECIALLY APPROVED FOR THAT PURPOSE BY THE BUILDING OFFICIAL. INSTALLATION SHALL BE DONE BY A CERTIFIED ADHESIVE ANCHOR INSTALLER (AAI) AS CERTIFIED THROUGH ACI/CRSI ADHESIVE ANCHOR INSTALLER CERTIFICATION PROGRAM, OR EQUIVALENT. PROOF OF CURRENT CERTIFICATION SHALL BE SUBMITTED TO THE ENGINEER PRIOR TO COMMENCEMENT OF INSTALLATION, AND INSPECTION REPORTS SHALL BE PROVIDED TO THE ENGINEER OF RECORD AND THE BUILDING OFFICIAL.

STRUCTURAL AND MISCELLANEOUS STEEL:

ALL STRUCTURAL STEEL SHALL BE DETAILED AND FABRICATED IN ACCORDANCE WITH THE AISC "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS".

ALL WIDE FLANGE SHAPES SHALL CONFORM TO ASTM A992, GRADE 50, UNLESS NOTED OTHERWISE.

ALL MISCELLANEOUS STEEL MEMBERS, SUCH AS CHANNELS, ANGLES, FLAT BARS, AND PLATES SHALL CONFORM TO ASTM A36 UNLESS NOTED OTHERWISE.

ALL RECTANGULAR AND SQUARE STRUCTURAL TUBING SHALL CONFORM TO ASTM A500, GRADE C, FY = 50 KSI OR ASTM 1085, GRADE A, FY = 50 KSI.

BOLTS SHALL CONFORM TO ASTM A325N TENSION CONTROL BOLTS UNLESS NOTED OTHERWISE, WITH SIZES AS SHOWN ON THE DRAWINGS. WHERE CLEARANCE WITHIN A CONNECTION DOES NOT PERMIT THE USE OF TENSION CONTROL BOLTS, STANDARD A325N BOLTS SHALL BE USED AND INSPECTED IN ACCORDANCE WITH THE AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS".

ALL BOLTS SHALL BE INSTALLED IN A SNUG TIGHT CONDITION EXCEPT AT MOMENT FRAME CONNECTIONS, BRACED FRAME CONNECTIONS, AND AT CONNECTIONS SPECIFIED WITH SC BOLTS. AT THESE LOCATIONS, THE BOLTS SHALL BE INSTALLED AS PRETENSIONED BOLTS.

ANCHOR BOLTS EMBEDDED IN CONCRETE SHALL BE ASTM F1554 GRADE 36 THREADED RODS WITH DOUBLE NUTS. PROVIDE FLAT WASHERS BETWEEN NUTS AND BASEPLATE SURFACES. ANCHOR BOLT LENGTHS SHOWN FOR ATTACHMENT TO CONCRETE AND/OR MASONRY ARE REQUIRED EMBEDMENT LENGTHS. THE CONTRACTOR SHALL PROVIDE ANCHOR BOLTS WITH ADDITIONAL BOLT LENGTH TO FACILITATE THE REQUIRED CONNECTION.

ANCHOR BOLT FLAT WASHERS SHALL BE PROVIDED IN ACCORDANCE WITH TABLE 14-2 OF AISC 360, AISC MANUAL OF STEEL CONSTRUCTION.

NON-SHRINK GROUT BELOW BASEPLATES SHALL BE PROMPTLY PLACED AFTER THE STRUCTURAL STEEL FRAME, OR PORTION THEREOF, HAS BEEN LEVELED AND PLUMBED. THE STEEL ERECTOR SHALL NOTIFY THE GENERAL CONTRACTOR AND GROUT SUBCONTRACTOR WHEN BASEPLATES ARE READY TO BE GROUTED. THE CONTRACTOR SHALL NOT PLACE ELEVATED CONCRETE SLABS OR OTHER EXCESSIVE LOADS ON THE STEEL FRAMING AND COLUMNS UNTIL GROUT HAS BEEN INSTALLED, INSPECTED, AND HAS REACHED ITS SPECIFIED DESIGN STRENGTH.

ALL WELDING SHALL BE DONE IN ACCORDANCE WITH THE AWS STRUCTURAL WELDING CODE.

ALL BOLT HOLES THAT ARE REQUIRED TO BE FIELD DRILLED SHALL BE DRILLED WITH A MAG DRILL. FLAME CUTTING OF HOLES OR ENLARGING OF MISALIGNED HOLES WILL NOT BE ALLOWED.

HEADED CONCRETE ANCHORS AND SHEAR CONNECTORS SHALL BE MADE FROM STEEL CONFORMING TO ASTM A108 AND MEET THE MECHANICAL PROPERTIES OF TYPE B, AS REQUIRED BY CHAPTER 7 OF AWS D1.1 "STRUCTURAL WELDING CODE-STEEL". STRUCTURAL STEEL TO RECEIVE SHEAR CONNECTORS SHALL BE FREE OF PAINT. WELDING PREQUALIFICATION REQUIRED.

SEE SHEET S-741 FOR TYPICAL STEEL DETAILS.

GRATING:

BAR GRATING
STEEL GRATING SHALL BE MANUFACTURED WITH STEEL CONFORMING TO ASTM A1011, ASTM A1008 OR ASTM A36 WITH WELDED CROSS BARS. FINISH AS NOTED ON DRAWINGS.

PROVIDE MINIMUM BEARING OF 1 1/2" OVER STEEL SUPPORTS. ALLOW FOR 1/4" MAXIMUM SPACE BETWEEN CHANNEL SIDE SECTIONS AND 1/4" MAXIMUM SPACE AT ENDS.

ATTACH GRATING TO SUPPORTS WITH MANUFACTURER'S STANDARD CLIPS AT 12" O.C. MINIMUM UNLESS NOTED OTHERWISE.

MEP SYSTEMS:

MEP UNITS GREATER THAN 100 POUNDS ARE INDICATED ON THE STRUCTURAL PLANS WITH THE TOTAL STRUCTURAL DESIGN LOAD. TOTAL OPERATING WEIGHTS SHALL BE VERIFIED BY THE CONTRACTOR. THE TOTAL OPERATING WEIGHT INCLUDES CURBS, ATTENUATORS, ACCESSORIES, WATER, ETC. IF THE TOTAL OPERATING WEIGHT EXCEEDS THE VALUE SHOWN ON THE STRUCTURAL DRAWINGS, NOTIFY THE STRUCTURAL EOR PRIOR TO SETTING THE UNITS. ADDITIONAL SUPPORT MAY BE REQUIRED.

INDIVIDUAL HANGER LOADS ARE NOT PERMITTED TO ATTACH TO EXISTING ROOF DECK OR ROOF FRAMING MEMBERS UNLESS SPECIFIED ON SHEET SF141-A.

THE DESIGN OF MEP SYSTEM HANGERS AND ATTACHMENTS IS NOT PART OF THE STRUCTURAL SCOPE. SEE MEP DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.

DEMOLITION:

NOTCHING OR CUTTING ANY STRUCTURAL MEMBER IN THE FIELD IS PROHIBITED, UNLESS DETAILED OTHERWISE ON THE STRUCTURAL PLANS.

CONTRACTOR SHALL BE RESPONSIBLE FOR ADHERING TO ALL APPLICABLE STANDARDS SET FORTH BY OSHA.

PRIOR TO STARTING DEMOLITION WORK, THE CONTRACTOR SHALL MAKE AN INSPECTION OF ALL SURROUNDING IMPROVEMENTS TO REMAIN, TO DETERMINE AND RECORD THEIR EXISTING PHYSICAL CONDITION.

SHORING AND BRACING: THE CONTRACTOR SHALL FURNISH ALL SHORING, BRACING, AND INCIDENTALS NECESSARY AND REQUIRED FOR THE PROPER SUPPORT AND SAFETY OF ALL MEMBERS AFFECTED BY DEMOLITION WORK.

WHERE DEMOLITION WOULD AFFECT THE STRUCTURAL INTEGRITY OF THE REMAINING STRUCTURE, THE CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORTS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY FIELD CONDITION WHICH WOULD PRESENT A HAZARDOUS CONDITION TO THE STRUCTURE BEFORE PROCEEDING.

PROTECTION: PROPER PRECAUTIONS SHALL BE TAKEN AT ALL TIMES TO PROTECT VEHICULAR AND PEDESTRIAN TRAFFIC FROM ANY DAMAGE OR INJURY WHICH MAY BE CAUSED, EITHER DIRECTLY OR INDIRECTLY, BY THE WORK INCLUDED ON THESE DRAWINGS. SUCH PRECAUTIONS SHALL INCLUDE THE ERECTION AND MAINTENANCE OF FENCES, BARRICADES, RAILINGS, GUARDS, SIGNS, COVERINGS, LIGHTS, AND OTHER PRECAUTIONS AS MAY BE REQUIRED. IF AT ANY TIME, IN THE OPINION OF THE OWNER OR THE OWNER'S REPRESENTATIVE, PROPER PRECAUTIONS ARE NOT BEING TAKEN TO SECURE THIS PROTECTION, THE CONTRACTOR SHALL AT NO ADDITIONAL COST TO THE OWNER, INSTALL AND MAINTAIN SUCH ADDITIONAL PROTECTION AS MAY BE DIRECTED BY THE OWNER.

POLLUTION CONTROLS: USE WATER SPRINKLING, TEMPORARY ENCLOSURES, AND OTHER SUITABLE METHODS TO LIMIT DUST AND DIRT RISING AND SCATTERING IN THE AIR TO LOWEST PRACTICAL LEVEL. COMPLY WITH GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.

REMOVE DEBRIS FROM THE SITE AS IT ACCUMULATES. UNLESS OTHERWISE NOTED, DO NOT STORE, SELL, BURN, OR OTHERWISE DISPOSE OF DEBRIS ON THE SITE. REMOVAL OF DEBRIS INCLUDES CLEARING OF ALL LOWER LEVELS AND SIMILAR BELOW GRADE STRUCTURES. REMOVE ALL DEBRIS IN SUCH A MANNER AS TO PREVENT SPILLAGE. KEEP ALL PAVEMENTS AND AREAS ADJACENT TO THE SITE CLEAN AND FREE FROM MUD, DIRT, AND DEBRIS AT ALL TIMES.

USE OF EXPLOSIVES: THE CONTRACTOR IS ABSOLUTELY PROHIBITED FROM USING DYNAMITE OR ANY OTHER EXPLOSIVES IN ANY OF THE WORK OR OPERATIONS SHOWN ON THESE PLANS AT THE PROJECT SITE.

DEMOLITION SHALL BE PERFORMED IN A MANNER THAT WILL NOT DAMAGE ADJOINING SURFACES INDICATED TO REMAIN. SURFACES SHALL BE PATCHED, IF REQUIRED, TO PROVIDE A SUITABLE SUBSTRATE FOR NEW CONSTRUCTION.

SPECIFIC DEMOLITION NOTES ARE NOT TO BE CONSIDERED ALL INCLUSIVE OR COMPLETE IN THEMSELVES. CONTRACTOR SHALL PROVIDE ALL DEMOLITION INCIDENTAL TO OR REQUIRED FOR CONSTRUCTION WHETHER SPECIFICALLY NOTED OR NOT.

SPECIAL INSPECTION:

THE OWNER SHALL PROVIDE FOR SERVICES OF A CERTIFIED INSPECTOR (APPROVED BY THE BUILDING OFFICIAL OR THE ENGINEER OF RECORD) IN ACCORDANCE WITH CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE FOR THE SPECIAL INSPECTION ITEMS NOTED ON SHEET S003-A.

DEFERRED SUBMITTALS:

THE DEFERRED SUBMITTALS LISTED BELOW ARE THOSE PORTIONS OF THE DESIGN THAT ARE NOT COMPLETED AT THE TIME OF APPLICATION FOR PERMIT AND ARE TO BE SUBMITTED TO THE BUILDING OFFICIAL AND APPROVED PRIOR TO THE INSTALLATION OF THOSE ITEMS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE FOLLOWING ITEMS:

MECHANICAL EQUIPMENT CURBS AND ATTACHMENT TO STRUCTURE

GENERAL STRUCTURAL NOTES

STEEL STAIR AT MECHANICAL CHILLER PLATFORM

HOT AISLE CONTAINMENT (HAC) FRAMING TO INCLUDE THE SUPPORT OF ALL PIPPING IN DATA HALL
COLD AISLE CONTAINMENT (CAC) FRAMING TO INCLUDE THE SUPPORT OF ALL PIPPING IN DATA HALL

LADDER TO MEZZANINE LEVEL
LADDER TO ROOF FRAMING SERVICING THE OFFICE SPACE
INTERIOR AND EXTERIOR SUPPORT OF MISC ELECTRICAL BUSWAYS AND CABLE TRAYS

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PROFESSIONAL SEAL

NATHAN B. MENSAH LICENSE No. 77879 EXP:02/28/2027 STATE OF FLORIDA PROFESSIONAL ENGINEER
09/21/2026

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PROJECT SUNSHINE

BUILDING 1
810 PACE RD,
AUBURNDALE, FL 33823

ISSUE DATE	DESCRIPTION
09/21/2026	REVISED FIT-UP IFP

Δ	DESCRIPTION	DATE

ISSUE:

PROJ NO
2540-01309

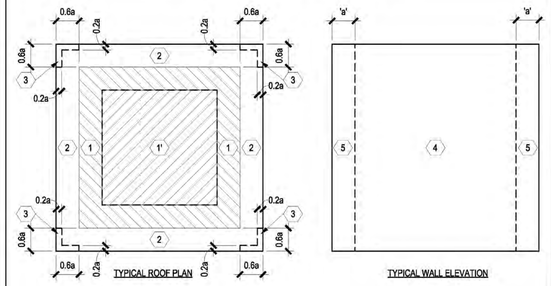
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SHEET TITLE
GENERAL STRUCTURAL NOTES

SHEET NUMBER
BLDG1-S002-A

WIND PRESSURES DIAGRAM



ROOF PRESSURES ASCE7-22				
COMPONENTS AND CLADDING WIND PRESSURES (PSF) CALCULATED AT MEAN HEIGHT = 40.83 FEET, USING PART 1 METHOD OF ASCE7-22 CHAPTER 30 FOR h<60FT				
h = 40.83 FT	EFFECTIVE WIND AREA (FT2)			
ZONE	10	50	200	500
1 - NEGATIVE	-83.7	-70.1	-59.8	-52.5
1 - POSITIVE	21.4	17.7	16.9	16.9
1' - NEGATIVE	-48.1	-47.9	-42.8	-32.5
1' - POSITIVE	21.4	17.7	16.9	16.9
2 - NEGATIVE	-110.4	-94.5	-79.7	-70.3
2 - POSITIVE	21.4	17.7	16.9	16.9
3 - NEGATIVE	-150.4	-121.1	-89.1	-70.3
3 - POSITIVE	21.4	17.7	16.9	16.9

WALL PRESSURES ASCE7-22				
COMPONENTS AND CLADDING WIND PRESSURES (PSF) CALCULATED AT MEAN HEIGHT = 40.83 FEET, USING PART 1 METHOD OF ASCE7-22 CHAPTER 30 FOR h<60FT				
ZONE	EFFECTIVE WIND AREA (FT2)			
a = 16.3 FT	10	50	200	500
4 - WINDWARD	48.1	43.1	38.9	36.0
4 - LEEWARD	-52.1	-47.1	-42.9	-40.1
5 - WINDWARD	48.1	43.1	38.9	36.0
5 - LEEWARD	-64.1	-54.2	-45.7	-40.1

ROOF PRESSURES FM	
COMPONENTS AND CLADDING WIND PRESSURES (PSF) CALCULATED AT MEAN HEIGHT = 40.83 FEET, USING PART 3.0 METHOD OF FM PROPERTY LOSS PREVENTION DATA SHEET h<60FT	
h = 40.83 FT	WIND
ZONE	PRESSURES
1 - NEGATIVE	-56.2
1 - POSITIVE	-97.9
1' - NEGATIVE	-129.1
1' - POSITIVE	-175.9

NOTES:
1. FM GLOBAL WIND PRESSURES ARE BASED ON WIND SPEEDS AND METHODOLOGY FROM ASCE7-05.
2. FM GLOBAL WIND PRESSURES TO BE USED FOR ROOFING, ROOF FASTENING TO STRUCTURAL DECK, STRUCTURAL DECK, STRUCTURAL DECK FASTENERS, AND STRUCTURAL DECK FASTENING TO FRAMING.

WALL PRESSURES FM	
COMPONENTS AND CLADDING WIND PRESSURES (PSF) CALCULATED AT MEAN HEIGHT = 40.83 FEET, USING PART 3.0 METHOD OF FM PROPERTY LOSS PREVENTION DATA SHEET h<80FT	
ZONE	WIND
a = 16.3FT	PRESSURE
4 - WINDWARD	56.2
4 - LEEWARD	-60.9
5 - WINDWARD	56.2
5 - LEEWARD	-75.0

NOTE:
1. FM GLOBAL WIND PRESSURES ARE BASED ON WIND SPEEDS AND METHODOLOGY FROM ASCE7-05.
2. FM GLOBAL WIND PRESSURES TO BE USED FOR WALL CLADDING/SOFFITS, WALL CLADDING FASTENERS TO FRAMING.

SCHEDULE OF STRUCTURAL SPECIAL INSPECTIONS

1. SPECIAL INSPECTIONS / TESTING - "SPECIAL STRUCTURAL INSPECTION" SHALL NOT RELIEVE THE OWNER OR THEIR AGENT FROM HAVING THE INSPECTIONS OF THE JURISDICTION BUILDING DEPARTMENT PER SECTION 109 OF THE IBC PERFORMED. BOTH THE JURISDICTION BUILDING DEPARTMENT INSPECTIONS AND "SPECIAL STRUCTURAL INSPECTION" SHALL BE PERFORMED.
2. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE JURISDICTION BUILDING OFFICIAL AND SPECIAL INSPECTOR WHEN WORK IS READY FOR INSPECTION.
3. REPORTING FOR SPECIAL INSPECTION - SPECIAL INSPECTION AND TESTING REPORTS SHALL BE COMPLETED AND DISTRIBUTED AT THE COMPLETION OF EACH TASK. IF A TASK IS TO TAKE LONGER THAN THREE (3) DAYS, PROVIDE REPORTS FOR EACH DAY. PROVIDE COPIES OF REPORTS TO CONTRACTOR, OWNER, ARCHITECT AND STRUCTURAL ENGINEER OF RECORD. SPECIAL INSPECTOR TO KEEP A NON-COMPLIANCE LIST DOCUMENTING ITEMS INSPECTED NOT MEETING APPROVED CONSTRUCTION DOCUMENTS AND WHEN / HOW RESOLVED.
4. SEE ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING CONSTRUCTION DOCUMENTS FOR ADDITIONAL NON-STRUCTURAL SPECIAL INSPECTION ITEMS.
5. SPECIAL INSPECTION OF SHOP FABRICATED MEMBERS AND ASSEMBLIES SHALL BE IN ACCORDANCE WITH SECTION 1704.2, UNLESS FABRICATOR IS APPROVED TO PERFORM WORK WITHOUT SPECIAL INSPECTION.
6. IN ACCORDANCE WITH IBC CHAPTER 17, THE OWNER OR THE OWNER'S AGENT, OTHER THAN THE CONTRACTOR, SHALL EMPLOY ONE OR MORE APPROVED AGENCIES TO PROVIDE SPECIAL INSPECTIONS AND TESTS, DURING CONSTRUCTION FOR THE TYPES OF WORK LISTED BELOW THESE SPECIAL INSPECTIONS AND TESTS ARE IN ADDITION TO THE INSPECTIONS BY THE BUILDING OFFICIAL IDENTIFIED IN IBC SECTION 110
7. DEFINITIONS:
   * **SPECIAL INSPECTION:** INSPECTION AS HEREIN REQUIRED BY A QUALIFIED SPECIAL INSPECTOR COMPETENT WITH THE MATERIALS, INSTALLATION, FABRICATION, ERECTION OR PLACEMENT OF COMPONENTS AND CONNECTIONS REQUIRING SPECIAL EXPERTISE TO ENSURE COMPLIANCE WITH APPROVED CONSTRUCTION DOCUMENTS AND REFERENCED STANDARDS (SEE SECTION 1704).
   * **CONTINUOUS SPECIAL INSPECTION:** FULL-TIME OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK IS BEING PERFORMED
   * **PERIODIC SPECIAL INSPECTION:** THE PART-TIME OR INTERMITTENT OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK HAS BEEN OR IS BEING PERFORMED AND AT THE COMPLETION OF THE WORK.

ITEM	DESCRIPTION OF REQUIREMENTS	REQUIRED (YES/NO)
SPECIAL INSPECTION OF STRUCTURAL STEEL	TO BE PERFORMED IN ACCORDANCE WITH CHAPTER N OF AISC 360	YES
SPECIAL INSPECTION AND VERIFICATION OF STEEL CONSTRUCTION OTHER THAN STRUCTURAL STEEL	TO BE PERFORMED IN ACCORDANCE WITH IBC SECTION 1705.2	YES
SPECIAL INSPECTIONS AND VERIFICATIONS FOR CONCRETE CONSTRUCTION	TO BE PERFORMED IN ACCORDANCE WITH IBC SECTION 1705.3	YES
SPECIAL INSPECTIONS AND VERIFICATIONS FOR MASONRY CONSTRUCTION	TO BE PERFORMED IN ACCORDANCE WITH IBC SECTION 1705.4 AND REFERENCED STANDARDS	NO
SPECIAL INSPECTIONS AND VERIFICATIONS FOR WOOD CONSTRUCTION	TO BE PERFORMED IN ACCORDANCE WITH IBC SECTION 1705.5	NO
SPECIAL INSPECTIONS AND VERIFICATIONS OF SOILS	TO BE PERFORMED IN ACCORDANCE WITH IBC SECTION 1705.6, THE GEOTECHNICAL REPORT LISTED IN THE GENERAL FOUNDATION NOTES, AND ANY OTHER REQUIREMENTS LISTED IN THE GENERAL FOUNDATION NOTES	YES
SPECIAL INSPECTIONS AND VERIFICATIONS FOR DEEP FOUNDATIONS (DRIVEN PILES, CAST-IN-PLACE, OR HELICAL PILES AS APPLICABLE)	TO BE PERFORMED IN ACCORDANCE WITH IBC SECTIONS 1705.7-1705.10 AS APPLICABLE, THE GEOTECHNICAL REPORT LISTED IN THE GENERAL FOUNDATION NOTES, AND ANY OTHER REQUIREMENTS LISTED IN THE CONSTRUCTION DOCUMENTS	NO
SPECIAL INSPECTION OF FABRICATED ITEMS	TO BE PERFORMED IN ACCORDANCE WITH IBC SECTION 1705.11	YES
SPECIAL INSPECTIONS FOR WIND RESISTANCE (REQUIRED ONLY FOR V= 150MPH OR GREATER IN EXPOSURE CATEGORY B, OR V=140MPH OR GREATER IN EXPOSURE CATEGORY C OR D)	TO BE PERFORMED IN ACCORDANCE WITH IBC SECTION 1705.12	YES
SPECIAL INSPECTIONS AND TESTING FOR SEISMIC RESISTANCE (REQUIRED FOR STRUCTURES ASSIGNED TO CATEGORIES C, D, E, OR F)	TO BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE SECTIONS OF IBC 1705.13 AND 1705.14	NO

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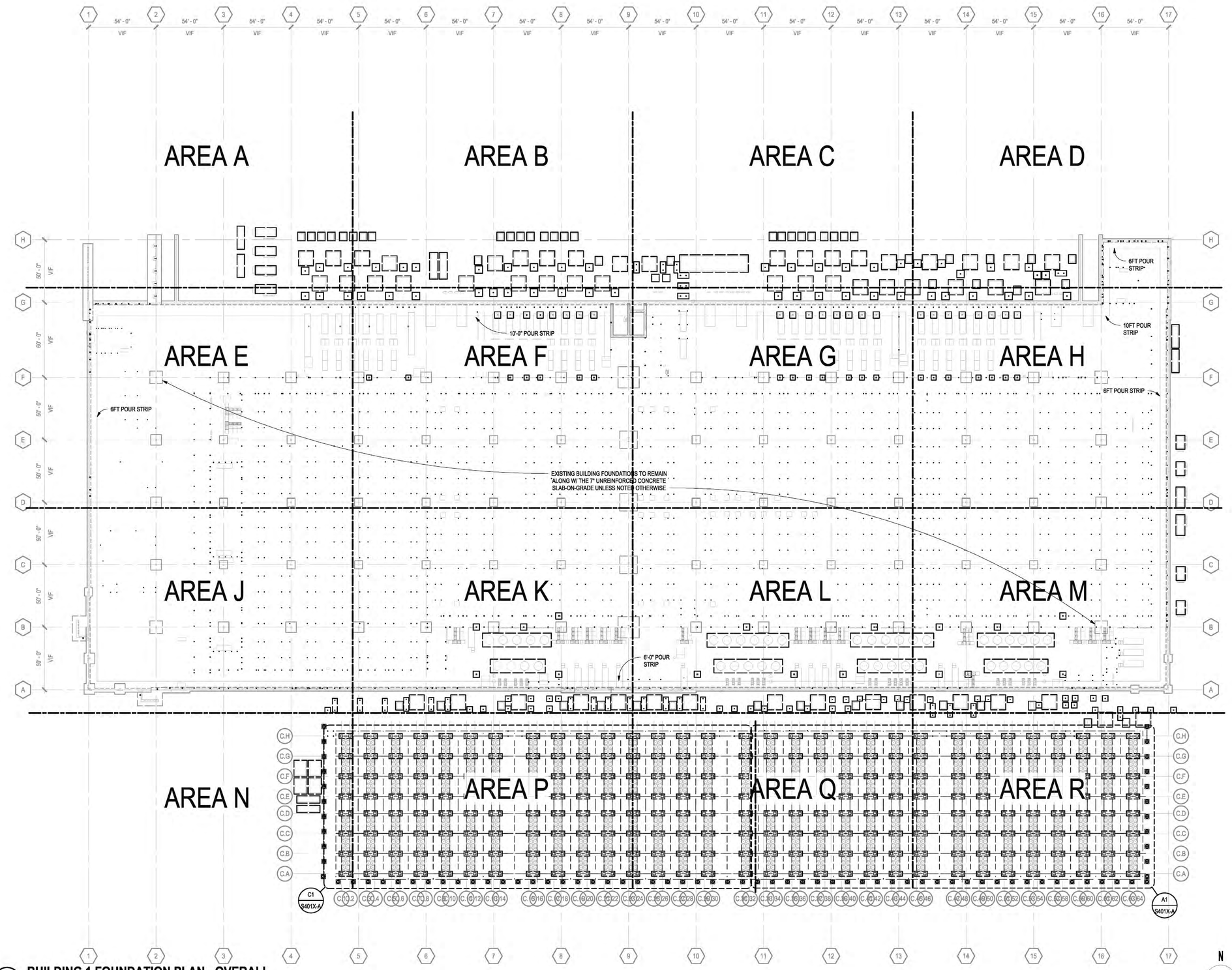
SHEET TITLE

SPECIAL INSPECTION TABLES

SHEET NUMBER

BLDG1-S003-A

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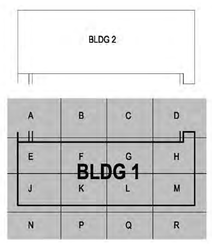
A1 BUILDING 1 FOUNDATION PLAN - OVERALL
SCALE: 1/32" = 1'-0"

GENERAL SHEET NOTES

1. SOME SHEET KEYNOTES MAY NOT APPLY TO THIS SHEET.
2. REFERENCE FINISH FLOOR ELEVATION 0'-0" = MEAN SEA FINISH FLOOR ELEVATION. SEE CIVIL DRAWINGS.
3. DIMENSIONS ARE TO GRID LINES UNLESS NOTED OTHERWISE.
4. EXISTING CONSTRUCTION IS PER AVAILABLE EXISTING DRAWINGS. ALL EXISTING CONSTRUCTION AND DIMENSIONS SHALL BE VERIFIED PRIOR TO CONSTRUCTION. SHOULD CONDITIONS VARY FROM THOSE SHOWN, CONTACT ENGINEER BEFORE PROCEEDING.
5. SEE SHEETS SB711-A THRU SF742-A FOR TYPICAL DETAILS.
6. SEE SHEET S601-A FOR SCHEDULES.
7. NEW COLUMNS ON INTERIOR OF BUILDING SHALL BE SUPPORTED BY EXISTING 7" THICK SLAB ON GRADE UNLESS NOTED OTHERWISE.

SHEET KEYNOTE

KEYPLAN



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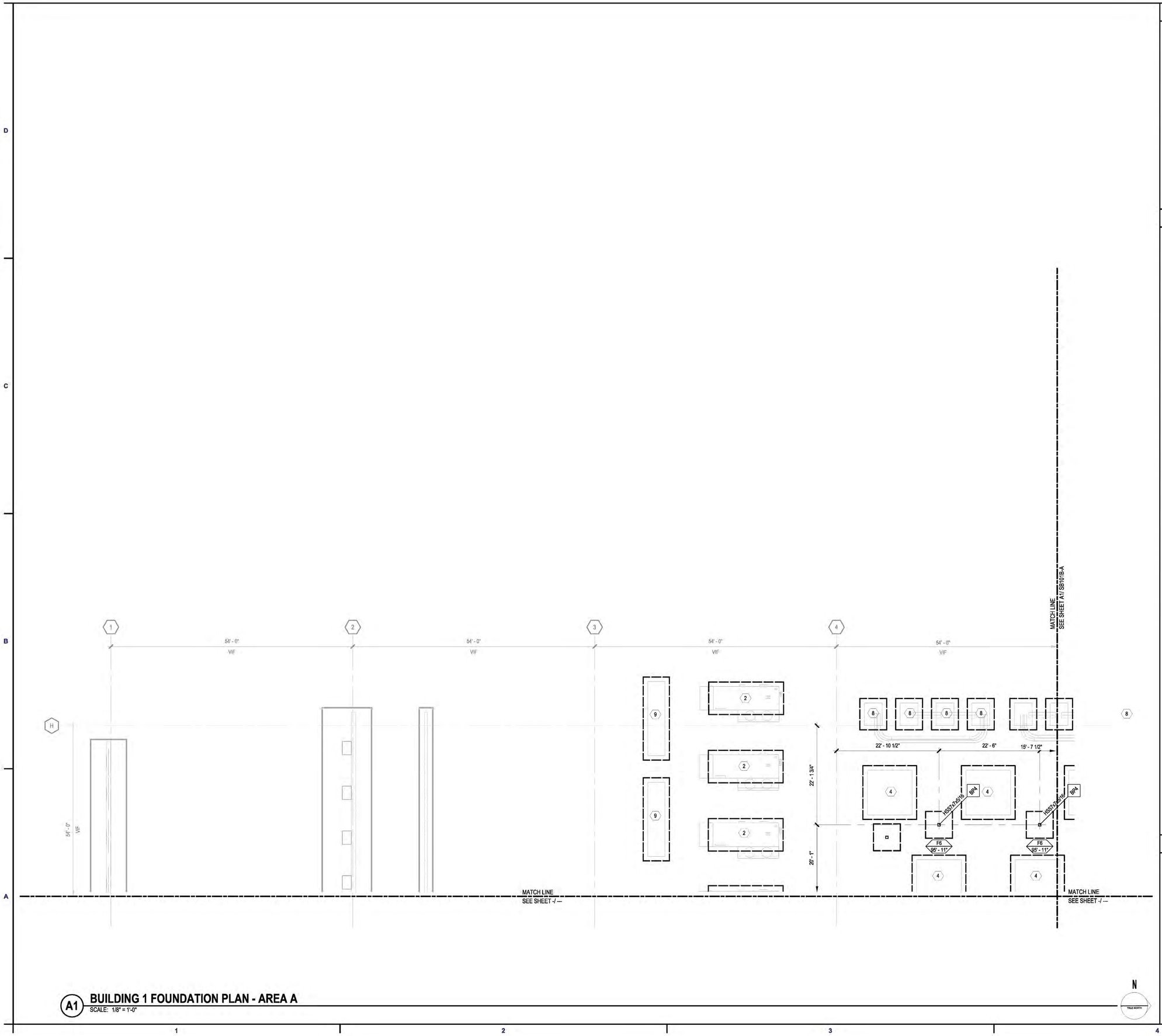
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SHEET TITLE

BUILDING 1
FOUNDATION PLAN - OVERALL

SHEET NUMBER
BLDG1-SB101-A

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A1 BUILDING 1 FOUNDATION PLAN - AREA A

SCALE: 1/8" = 1'-0"

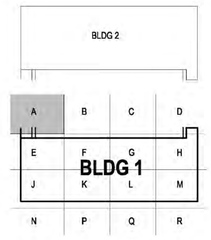
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SHEET KEYNOTE

1. NEW OPENING IN EXISTING TILT UP CONCRETE WALL FOR NEW OVERHEAD DOOR. SEE ARCHITECTURAL DRAWINGS FOR DOOR INFORMATION AND EXACT LOCATION. SEE DETAIL A3 / SB513-A .
2. SUPPORT OF MEP EQUIPMENT. COORDINATE FINAL EQUIPMENT LOCATION, DIMENSIONS, AND WEIGHT WITH MEP DRAWINGS. DESIGN WEIGHT OF EQUIPMENT IS 4850 LBS. IF FINAL WEIGHT DIFFERS EOR IS TO BE NOTIFIED. SEE DETAIL D3 / SB512-A
3. SUPPORT OF WATER TANK EQUIPMENT. COORDINATE EQUIPMENT LOCATION, DIMENSIONS, AN WEIGHT WITH MEP DRAWINGS.
4. SUPPORT OF MEP EQUIPMENT. COORDINATE LOCATION, DIMENSIONS, AND WEIGHT WITH MEP DRAWINGS. SEE DETAIL C4 / SB513-A
5. CABLE TRAY SEE ELECTRICAL DRAWINGS FOR EXACT LOCATION, SIZE, AND QUANTITY. SUPPORT STEEL DESIGNED FOR A MAXIMUM DL OF 200 LBS/FT. VERIFY LOADS AND ALERT EOR IF LOADS EXCEED THIS LIMIT PRIOR TO PLACEMENT.
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8. SUPPORT OF MEP EQUIPMENT. COORDINATE FINAL EQUIPMENT LOCATION, DIMENSIONS, AND WEIGHT WITH MEP DRAWINGS. DESIGN WEIGHT OF EQUIPMENT IS 600 LBS. IF FINAL WEIGHT DIFFERS EOR IS TO BE NOTIFIED. SEE DETAIL C4 / SB513-A
9. SUPPORT OF MEP EQUIPMENT. COORDINATE FINAL EQUIPMENT LOCATION, DIMENSIONS, AND WEIGHT WITH MEP DRAWINGS. DESIGN WEIGHT OF EQUIPMENT IS 1430 LBS. IF FINAL WEIGHT DIFFERS EOR IS TO BE NOTIFIED. SEE DETAIL D3 / SB512-A
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12. CONTRACTOR TO BRACE EXISTING CONCRETE TILT UP WALLS PRIOR TO REMOVING EXISTING CONCRETE SLAB ON GRADE POUR STRIP TO INSTALL NEW COLUMN SUPPORT.

KEYPLAN



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BUILDING 1

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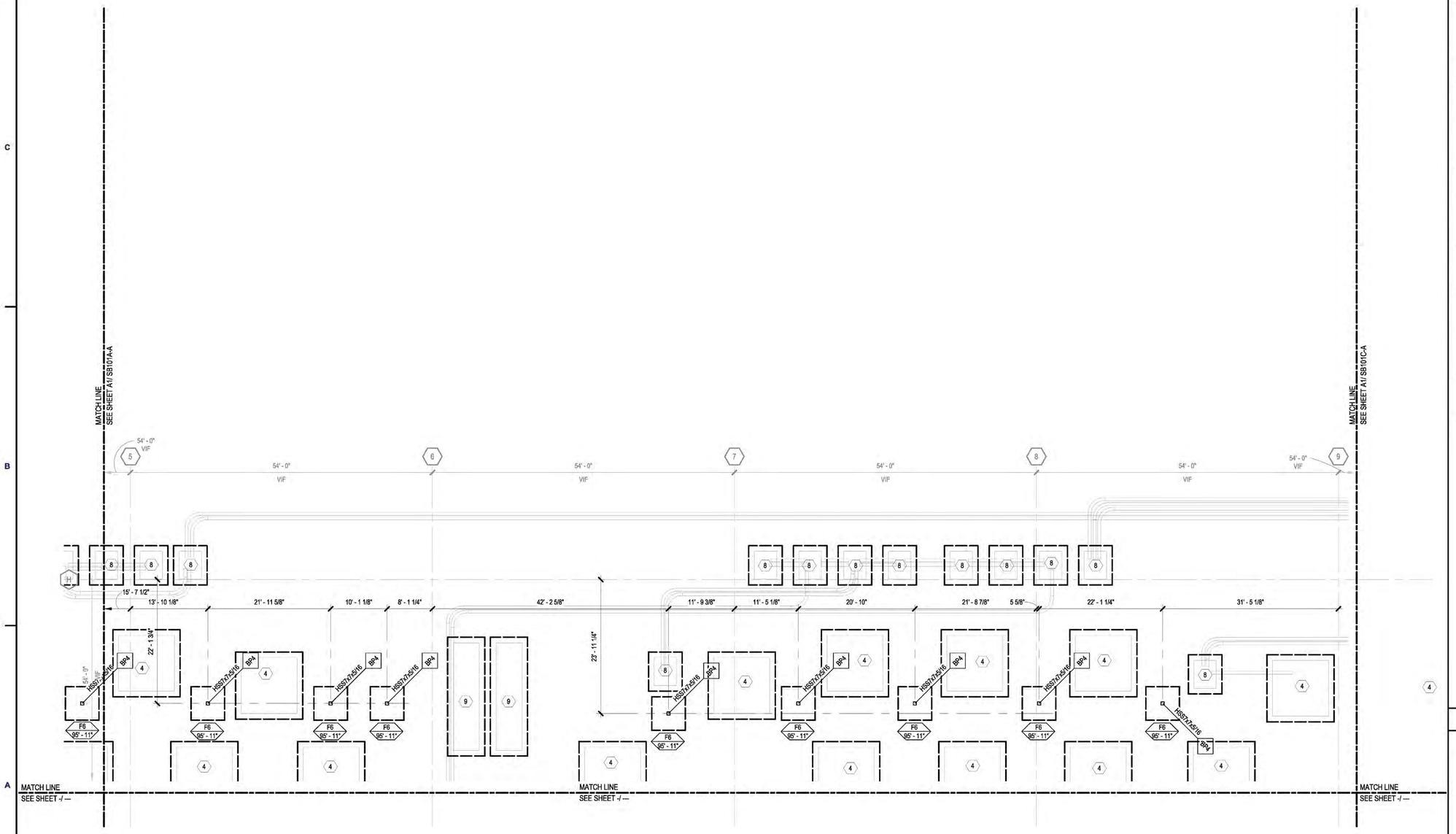
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SHEET TITLE

BUILDING 1
FOUNDATION PLAN -
AREA A

SHEET NUMBER
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A1 BUILDING 1 FOUNDATION PLAN - AREA B

SCALE: 1/8" = 1'-0"

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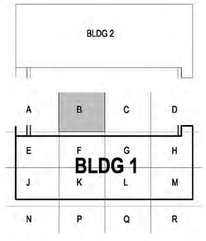
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6. SEE SHEET S601-A FOR SCHEDULES.
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SHEET KEYNOTE

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10. SUPPORT OF MEP EQUIPMENT. COORDINATE LOCATION, DIMENSIONS, AND WEIGHT WITH MEP DRAWINGS. SEE DETAIL D3 / SB512-A
11. SUPPORT OF MEP EQUIPMENT. COORDINATE FINAL EQUIPMENT LOCATION, DIMENSIONS, AND WEIGHT WITH MEP DRAWINGS. DESIGN WEIGHT OF EQUIPMENT IS 3570 LBS. IF FINAL WEIGHT DIFFERS EOR IS TO BE NOTIFIED. SEE DETAIL D3 / SB512-A
12. CONTRACTOR TO BRACE EXISTING CONCRETE TILT UP WALLS PRIOR TO REMOVING EXISTING CONCRETE SLAB ON GRADE POUR STRIP TO INSTALL NEW COLUMN SUPPORT.

KEYPLAN



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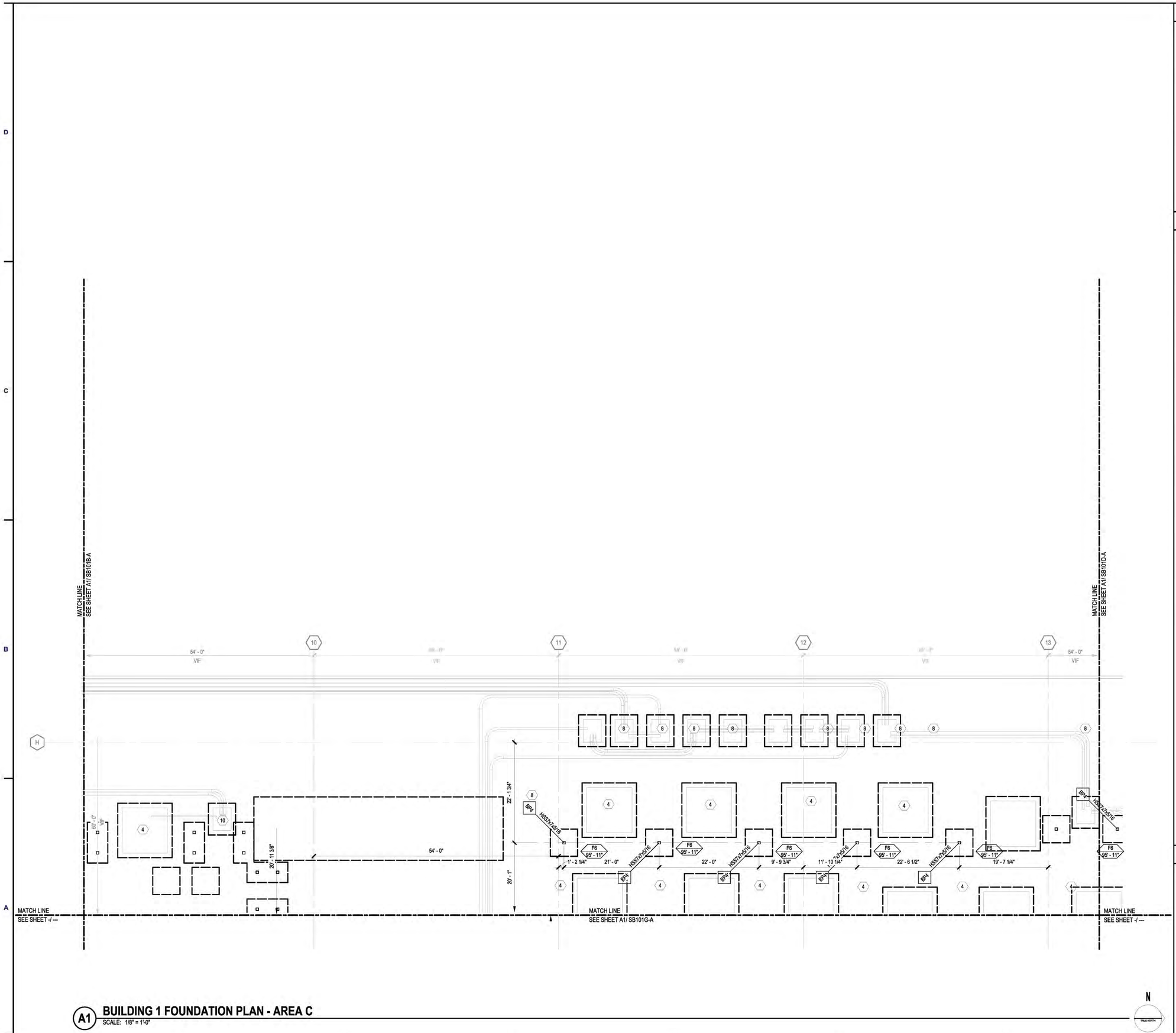
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SHEET TITLE

BUILDING 1
FOUNDATION PLAN -
AREA B

SHEET NUMBER
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A1 BUILDING 1 FOUNDATION PLAN - AREA C

SCALE: 1/8" = 1'-0"

N

TRUE NORTH

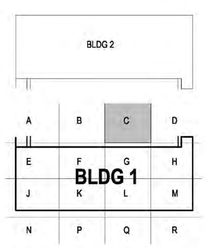
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6. SEE SHEET S601-A FOR SCHEDULES.
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KEYPLAN



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PROFESSIONAL SEAL



09/21/2026

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PROJECT SUNSHINE

BUILDING 1

810 PACE RD,
AUBURNDALE, FL 33823

ISSUE DATE	DESCRIPTION
09/21/2026	REVISED FIT-UP IFP

Δ	DESCRIPTION	DATE

ISSUE:

PROJ NO
2540-01309

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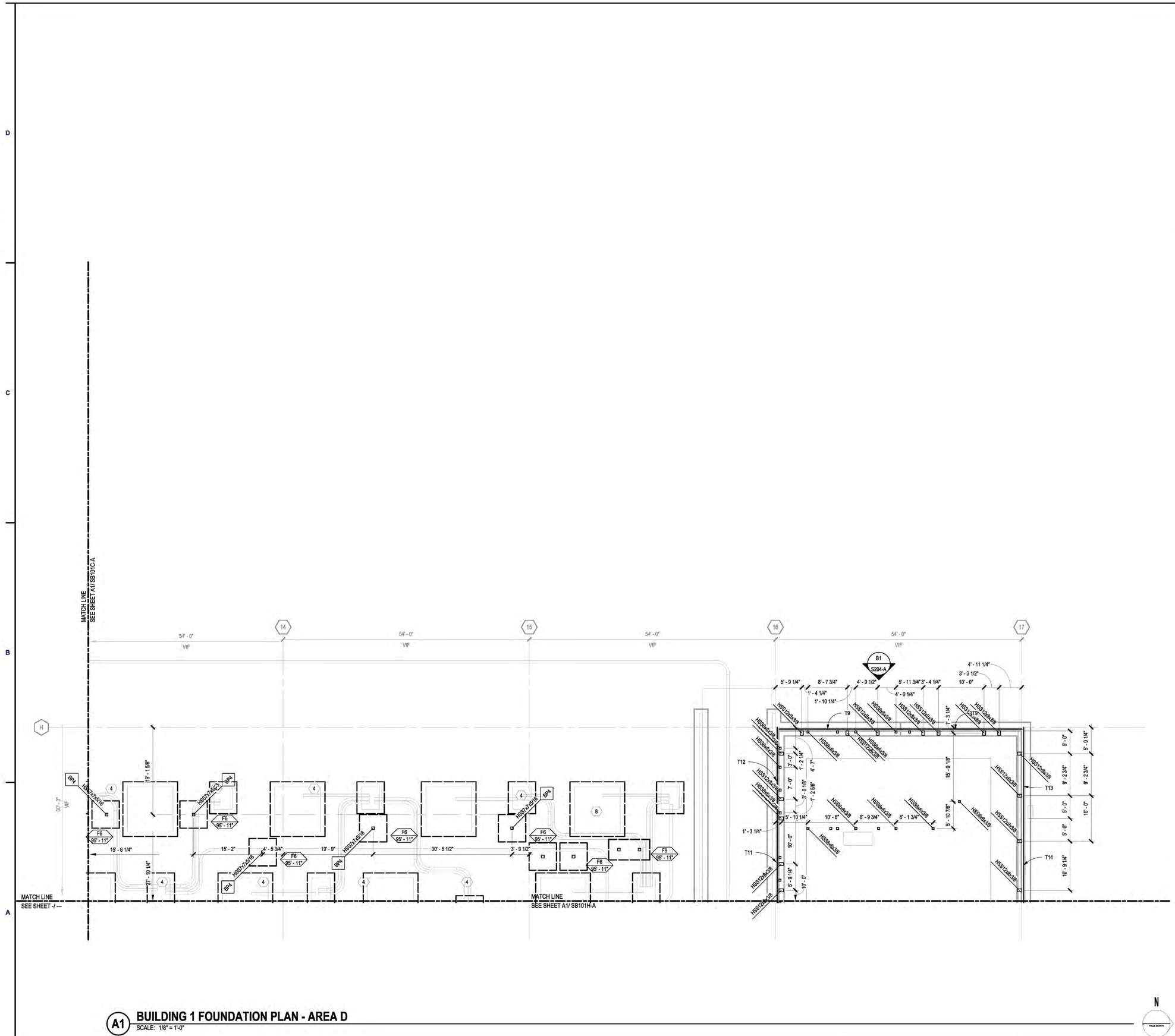
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SHEET TITLE

BUILDING 1
FOUNDATION PLAN -
AREA C

SHEET NUMBER
BLDG1-SB101C-A

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A1 BUILDING 1 FOUNDATION PLAN - AREA D

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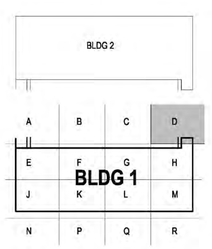
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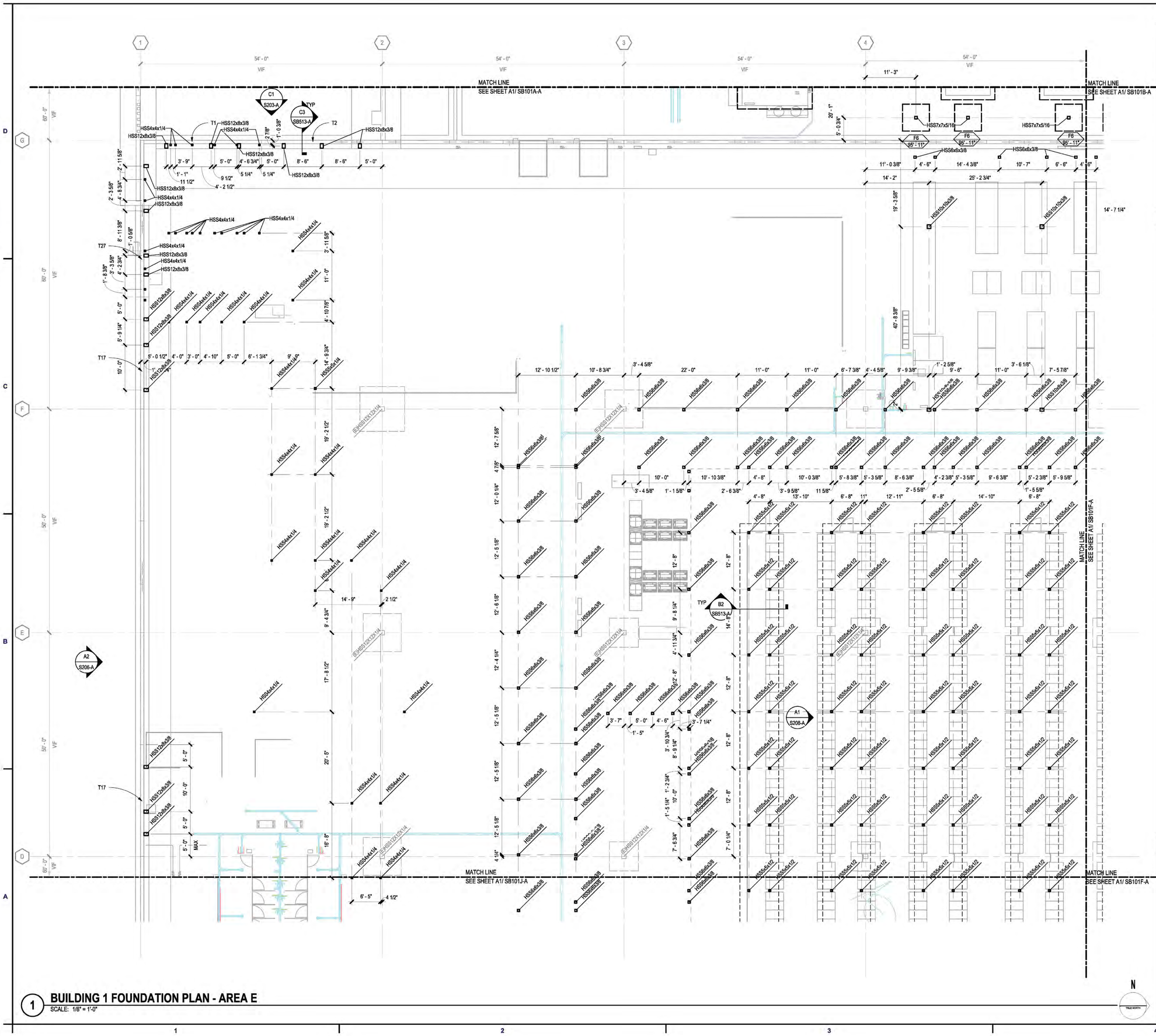
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SHEET TITLE

BUILDING 1
FOUNDATION PLAN -
AREA D

SHEET NUMBER
BLDG1-SB101D-A

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1 **BUILDING 1 FOUNDATION PLAN - AREA E**
SCALE: 1/8" = 1'-0"

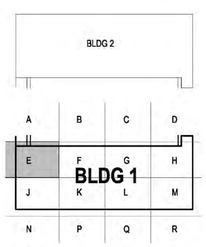
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BUILDING 1
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AUBURNDALE, FL 33823

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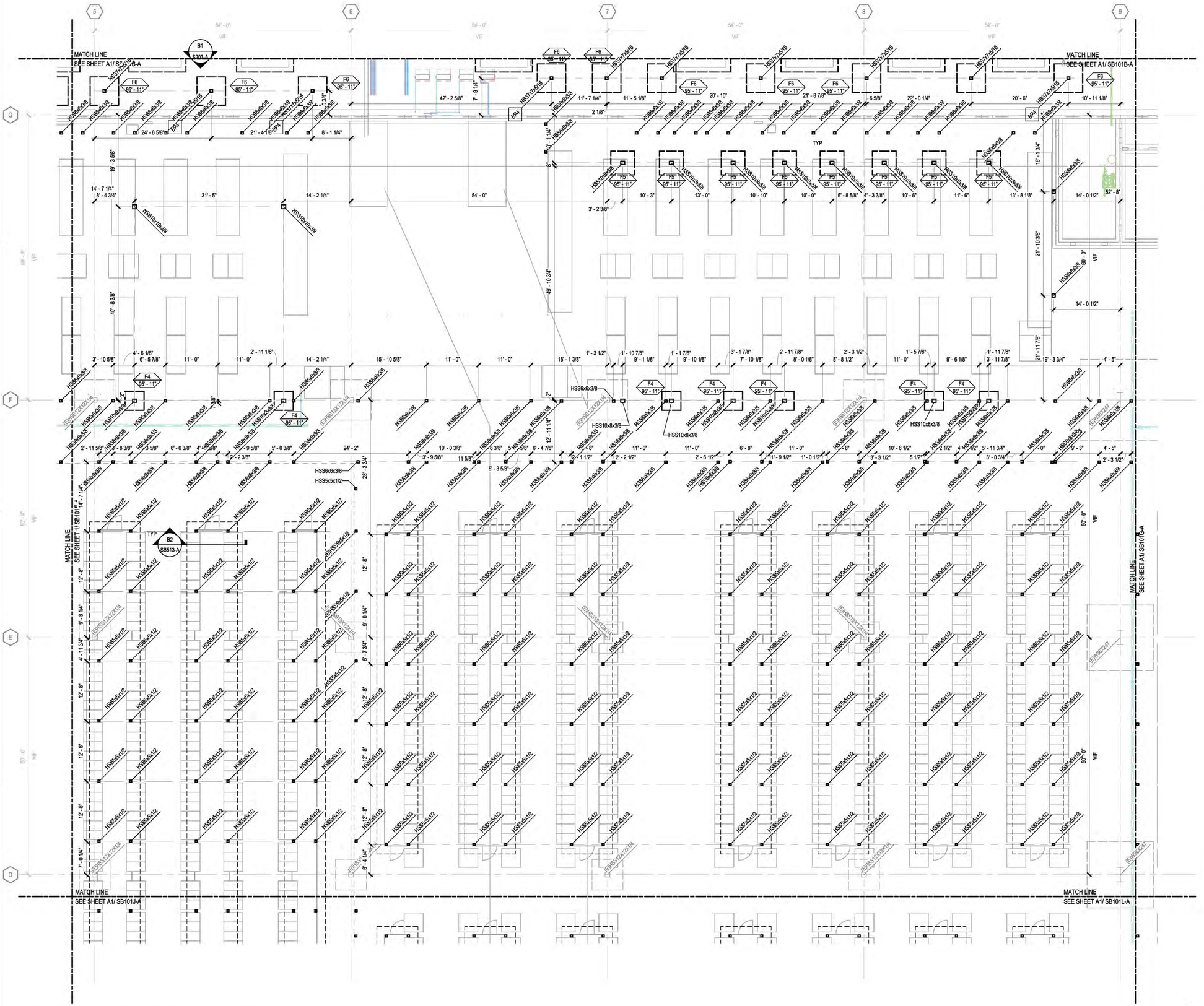
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SHEET TITLE

BUILDING 1
FOUNDATION PLAN -
AREA E

SHEET NUMBER
BLDG1-SB101E-A

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A1 BUILDING 1 FOUNDATION PLAN - AREA F

SCALE: 1/8" = 1'-0"

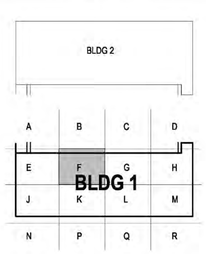
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BUILDING 1

810 PACE RD.
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SHEET TITLE

BUILDING 1
FOUNDATION PLAN -
AREA F

SHEET NUMBER

BLDG1-SB101F-A

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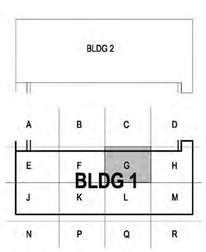
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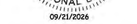
A1 BUILDING 1 FOUNDATION PLAN - AREA G

SCALE: 1/8" = 1'-0"

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PROJECT SUNSHINE

BUILDING 1

810 PACE RD,
AUBURNDALE, FL 33823

ISSUE DATE	DESCRIPTION
09/21/2026	REVISED FIT-UP IFP

Δ	DESCRIPTION	DATE

ISSUE:

PROJ NO
2540-01309

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SHEET TITLE

BUILDING 1
FOUNDATION PLAN -
AREA G

SHEET NUMBER

BLDG1-SB101G-A

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A1 BUILDING 1 FOUNDATION PLAN - AREA H

SCALE: 1/8" = 1'-0"

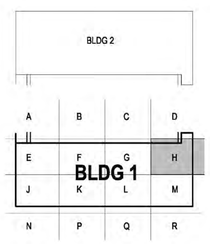
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1. SOME SHEET KEYNOTES MAY NOT APPLY TO THIS SHEET.
2. REFERENCE FINISH FLOOR ELEVATION 0'-0" = MEAN SEA FINISH FLOOR ELEVATION. SEE CIVIL DRAWINGS.
3. DIMENSIONS ARE TO GRID LINES UNLESS NOTED OTHERWISE.
4. EXISTING CONSTRUCTION IS PER AVAILABLE EXISTING DRAWINGS. ALL EXISTING CONSTRUCTION AND DIMENSIONS SHALL BE VERIFIED PRIOR TO CONSTRUCTION. SHOULD CONDITIONS VARY FROM THOSE SHOWN, CONTACT ENGINEER BEFORE PROCEEDING.
5. SEE SHEETS SB711-A THRU SF742-A FOR TYPICAL DETAILS.
6. SEE SHEET S601-A FOR SCHEDULES.
7. NEW COLUMNS ON INTERIOR OF BUILDING SHALL BE SUPPORTED BY EXISTING 7" THICK SLAB ON GRADE UNLESS NOTED OTHERWISE.

SHEET KEYNOTE

1. NEW OPENING IN EXISTING TILT UP CONCRETE WALL FOR NEW OVERHEAD DOOR. SEE ARCHITECTURAL DRAWINGS FOR DOOR INFORMATION AND EXACT LOCATION. SEE DETAIL A3 / SB513-A .
2. SUPPORT OF MEP EQUIPMENT. COORDINATE FINAL EQUIPMENT LOCATION, DIMENSIONS, AND WEIGHT WITH MEP DRAWINGS. DESIGN WEIGHT OF EQUIPMENT IS 4850 LBS. IF FINAL WEIGHT DIFFERS EOR IS TO BE NOTIFIED. SEE DETAIL D3 / SB512-A
3. SUPPORT OF WATER TANK EQUIPMENT. COORDINATE EQUIPMENT LOCATION, DIMENSIONS, AN WEIGHT WITH MEP DRAWINGS.
4. SUPPORT OF MEP EQUIPMENT. COORDINATE LOCATION, DIMENSIONS, AND WEIGHT WITH MEP DRAWINGS. SEE DETAIL C4 / SB513-A
5. CABLE TRAY SEE ELECTRICAL DRAWINGS FOR EXACT LOCATION, SIZE, AND QUANTITY. SUPPORT STEEL DESIGNED FOR A MAXIMUM DL OF 200 LBS/FT. VERIFY LOADS AND ALERT EOR IF LOADS EXCEED THIS LIMIT PRIOR TO PLACEMENT.
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KEYPLAN



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2950 Kraft Drive
Seattle, TN 37204

PROFESSIONAL SEAL

NATHAN B. MEHAFFEY LICENSE NO. 77879 EXPIRES: 02/28/2027 STATE OF FLORIDA PROFESSIONAL ENGINEER
09/21/2026

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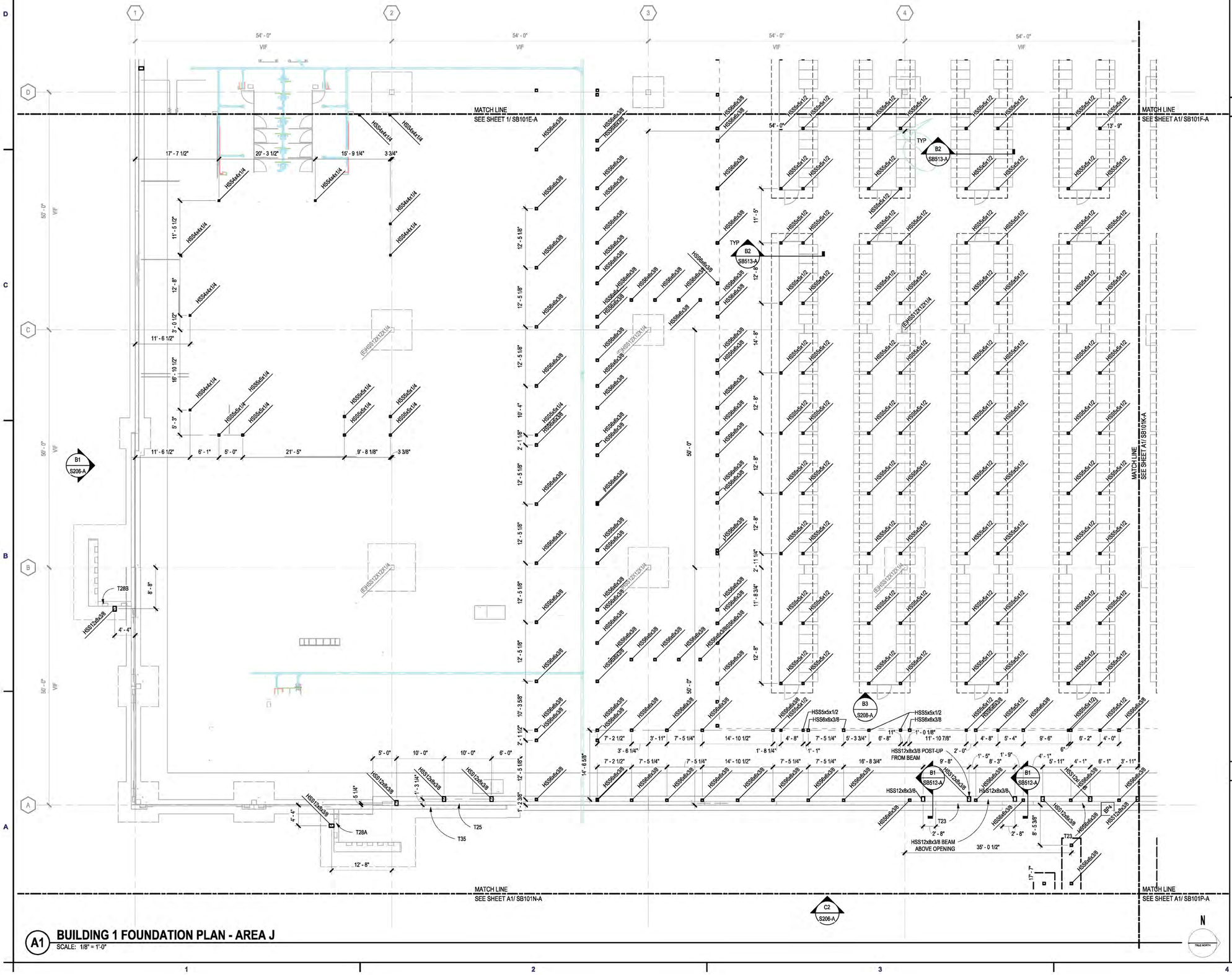
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AREA H

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A1 BUILDING 1 FOUNDATION PLAN - AREA J

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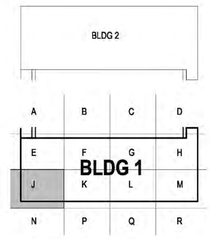
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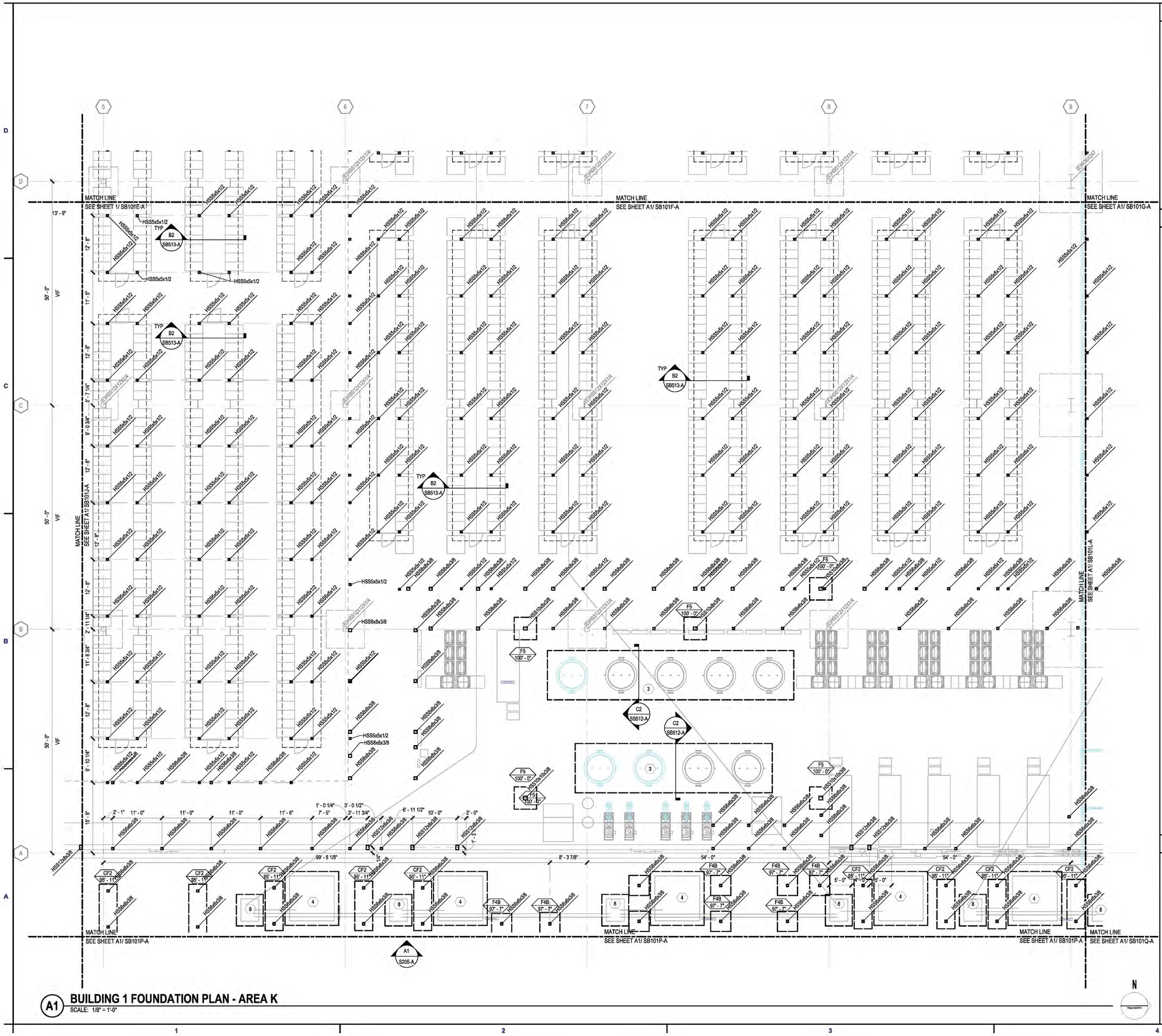
SHEET TITLE

BUILDING 1
FOUNDATION PLAN -
AREA J

SHEET NUMBER

BLDG1-SB101J-A

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A1 BUILDING 1 FOUNDATION PLAN - AREA K

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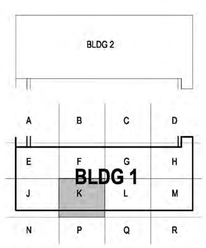
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KEYPLAN



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Seattle, TN 37204

PROFESSIONAL SEAL



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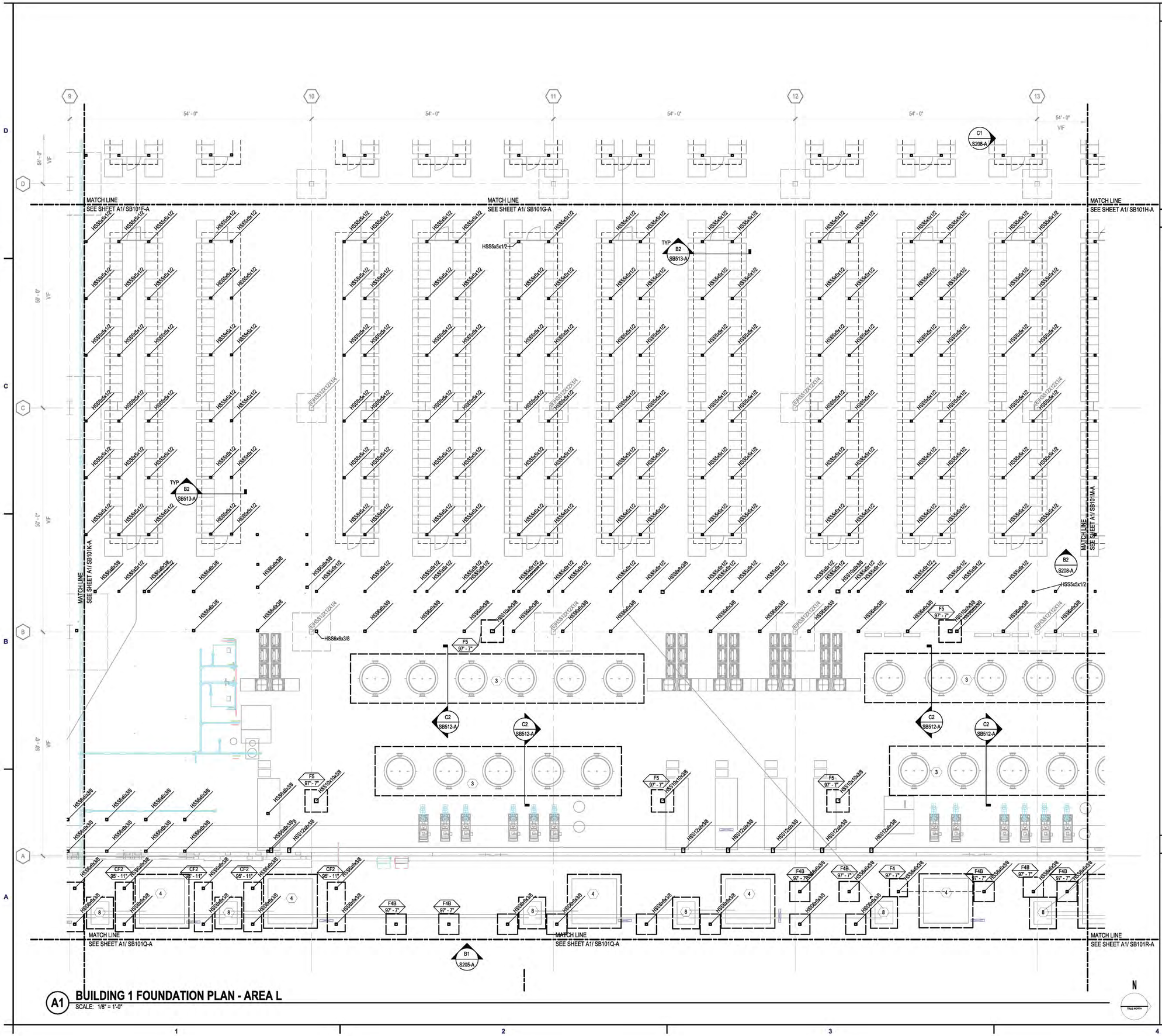
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FOUNDATION PLAN -
AREA K

SHEET NUMBER
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A1 **BUILDING 1 FOUNDATION PLAN - AREA L**
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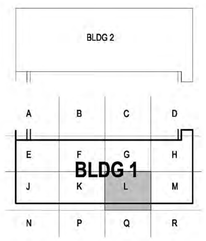
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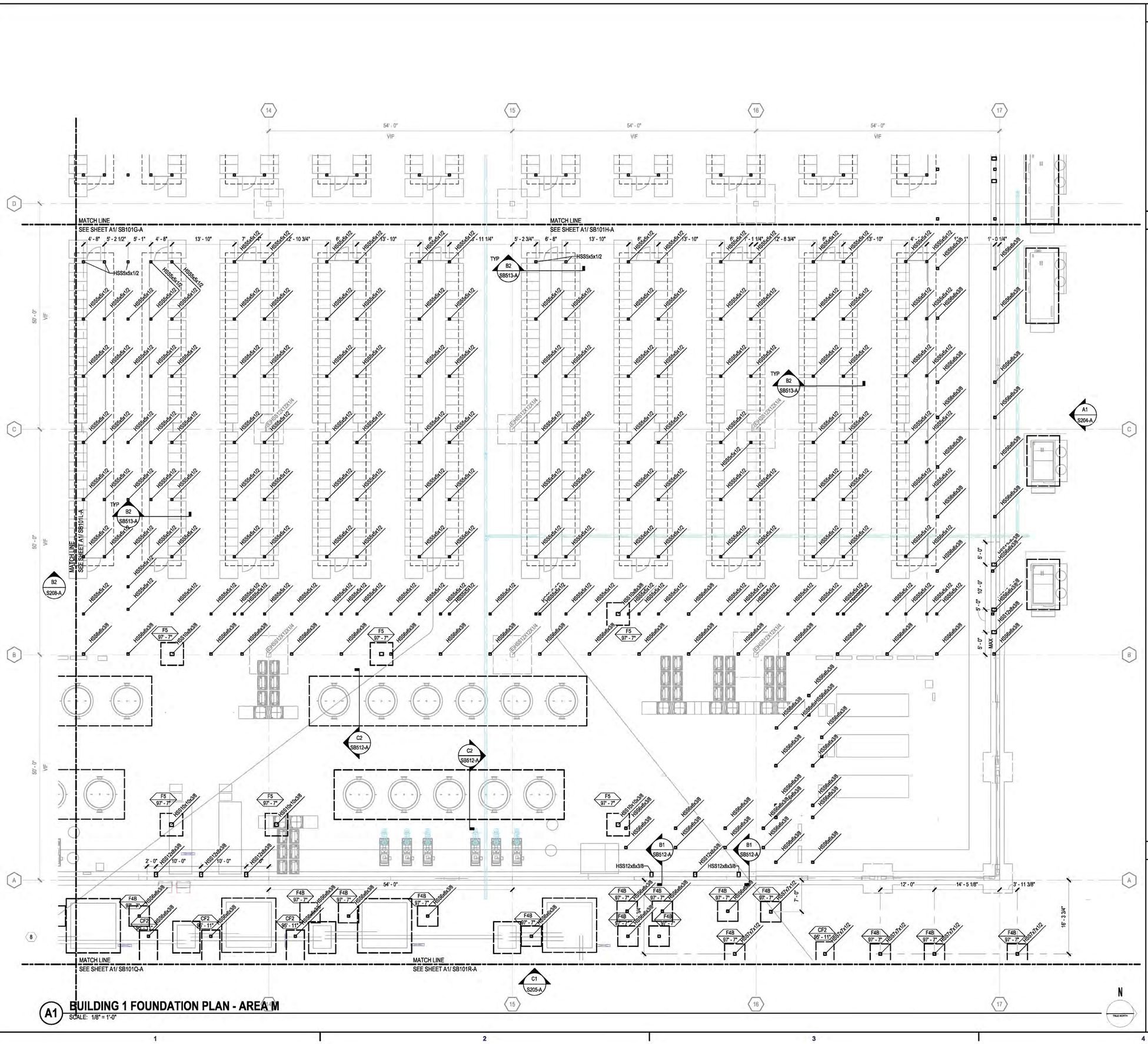
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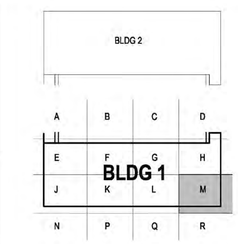
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KEYPLAN



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Seattle, TN 37204

PROFESSIONAL SEAL

NATHAN B. MEINERT LICENSE NO. 77979 EXPIRATION DATE: 02/28/2027 STATE OF FLORIDA PROFESSIONAL ENGINEER
09/21/2026

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PROJECT SUNSHINE

BUILDING 1
810 PACE RD.
AUBURNDALE, FL 33823

ISSUE DATE	DESCRIPTION
09/21/2026	REVISED FIT-UP IFP

Δ	DESCRIPTION	DATE

ISSUE:

PROJ NO
2540-01309

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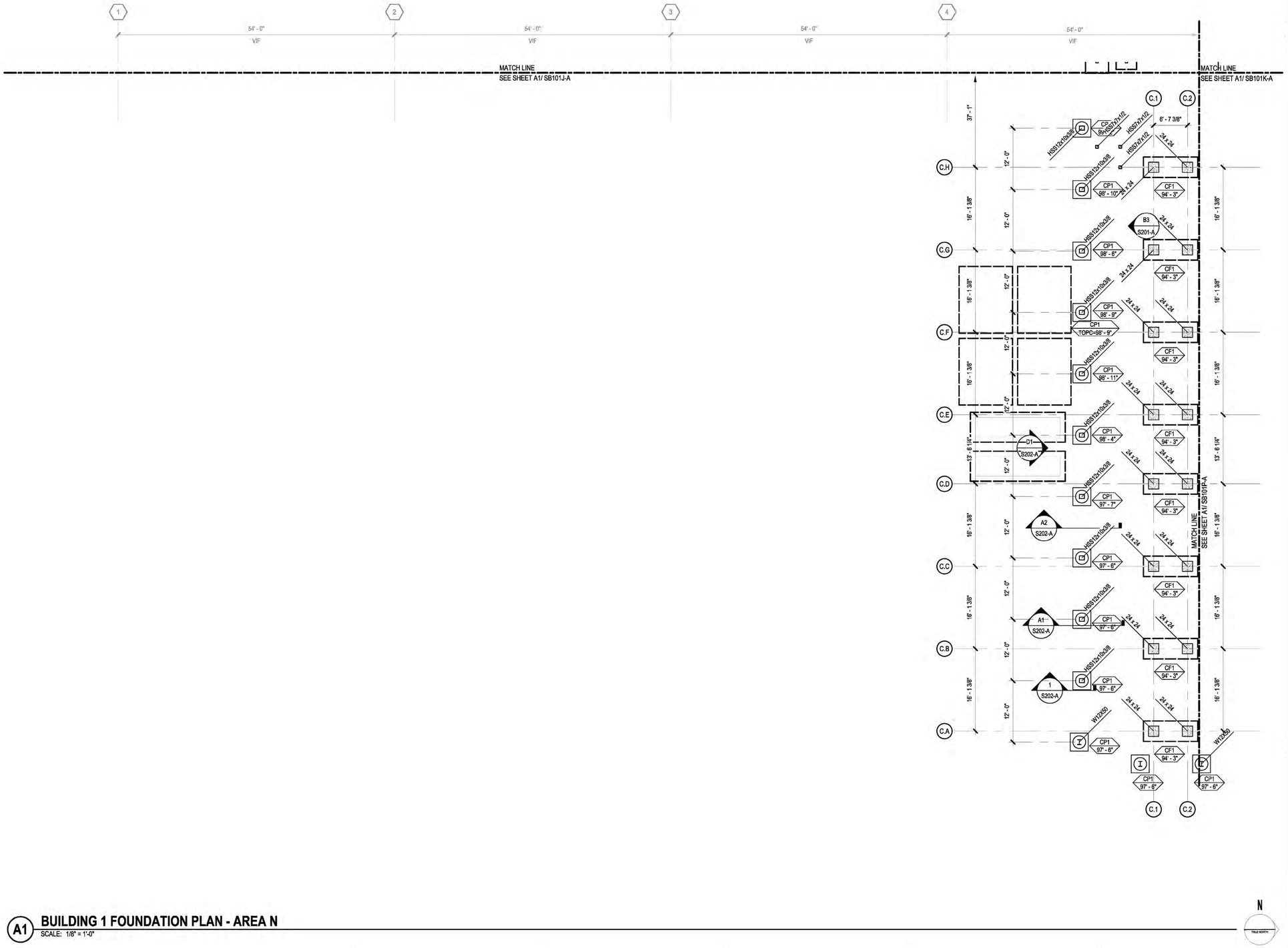
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SHEET TITLE

BUILDING 1
FOUNDATION PLAN -
AREA M

SHEET NUMBER
BLDG1-SB101M-A

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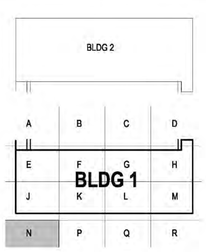
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PROFESSIONAL SEAL

NATHAN B. MENSAH LICENSE NO. 77319 STATE OF FLORIDA PROFESSIONAL ENGINEER
EXP:02/28/2027
09/21/2026

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PROJECT SUNSHINE

BUILDING 1

810 PACE RD.
AUBURNDALE, FL 33823

ISSUE DATE	DESCRIPTION
09/21/2026	REVISED FIT-UP IFP

Δ	DESCRIPTION	DATE

ISSUE:

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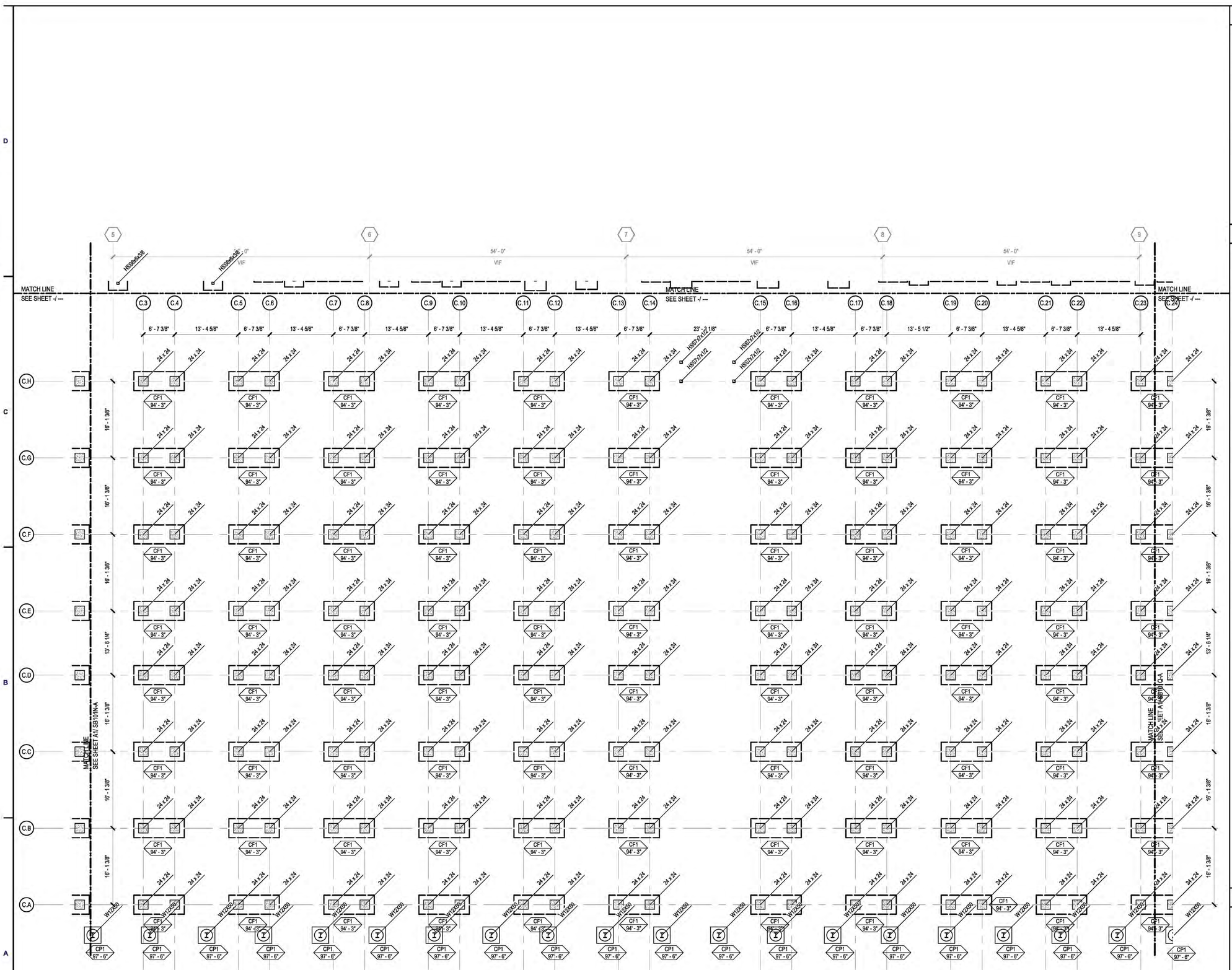
BUILDING 1
FOUNDATION PLAN -
AREA N

SHEET NUMBER
BLDG1-SB101N-A

A1 BUILDING 1 FOUNDATION PLAN - AREA N
SCALE: 1/8" = 1'-0"

N
TRUE NORTH

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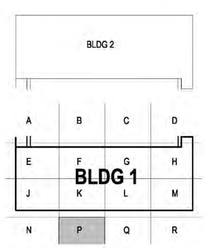
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KEYPLAN



A1 **BUILDING 1 FOUNDATION PLAN - AREA P**
SCALE: 1/8" = 1'-0"

N
TRUE NORTH

Salas O'Brien
salasobrien.com 615.346.3400
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2950 Kraft Drive
Seattle, TN 37204

PROFESSIONAL SEAL

NATHAN B. MEINERT LICENSE NO. 77919 EXP:03/31/2027 STATE OF FLORIDA PROFESSIONAL ENGINEER
09/21/2026

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BUILDING 1
810 PACE RD.
AUBURNDALE, FL 33823

ISSUE DATE	DESCRIPTION
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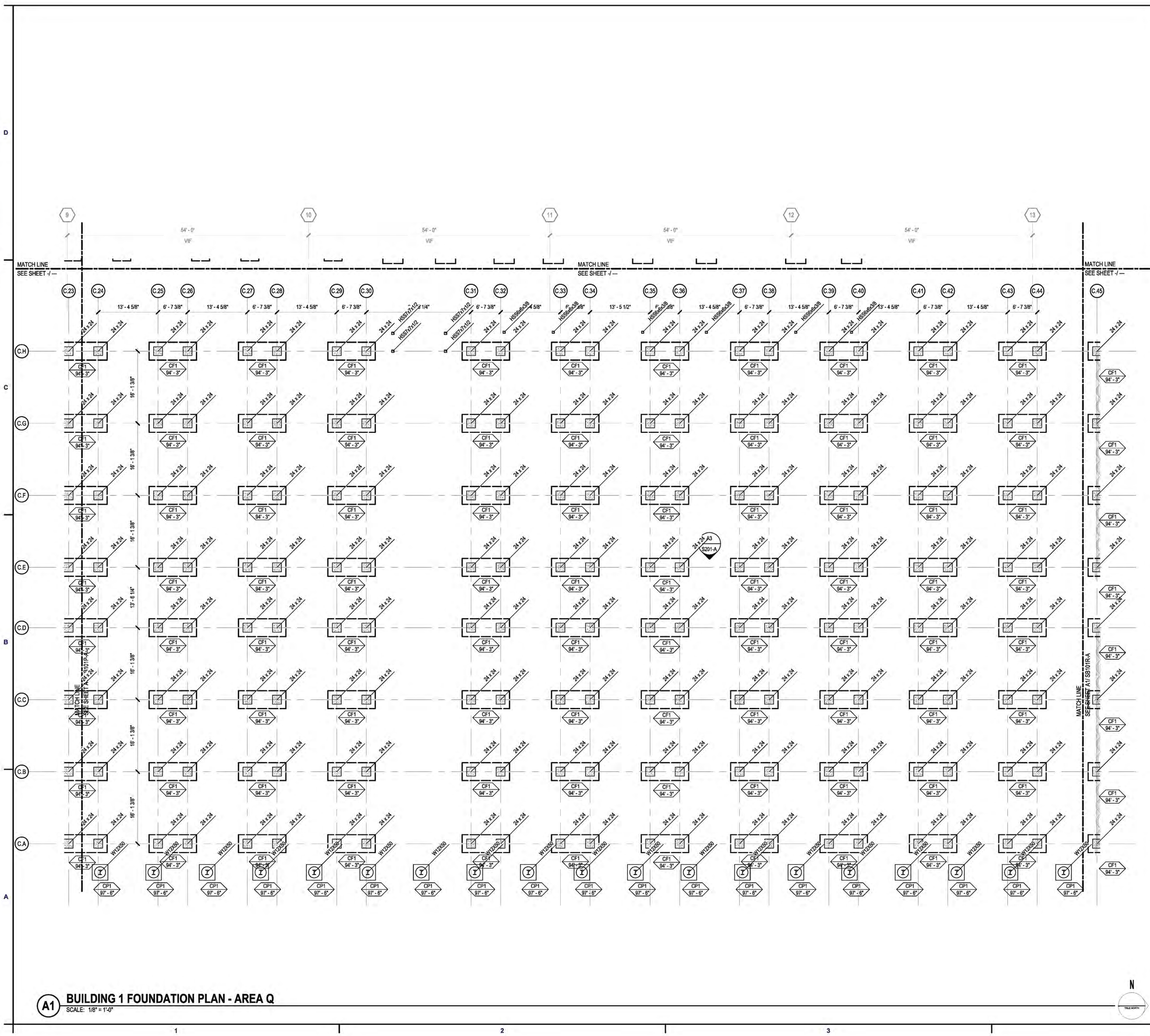
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SHEET TITLE

BUILDING 1
FOUNDATION PLAN -
AREA P

SHEET NUMBER
BLDG1-SB101P-A

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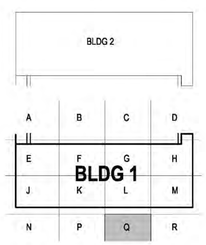
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KEYPLAN



A1 BUILDING 1 FOUNDATION PLAN - AREA Q

SCALE: 1/8" = 1'-0"

Salas O'Brien
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Nashville
2950 Kraft Drive
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PROFESSIONAL SEAL

NATHAN B. MEINERT LICENSE NO. 77319 EXPIRATION DATE: 02/28/2027 STATE OF FLORIDA PROFESSIONAL ENGINEER
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PROJECT SUNSHINE

BUILDING 1

810 PACE RD,
AUBURNDALE, FL 33823

ISSUE DATE	DESCRIPTION
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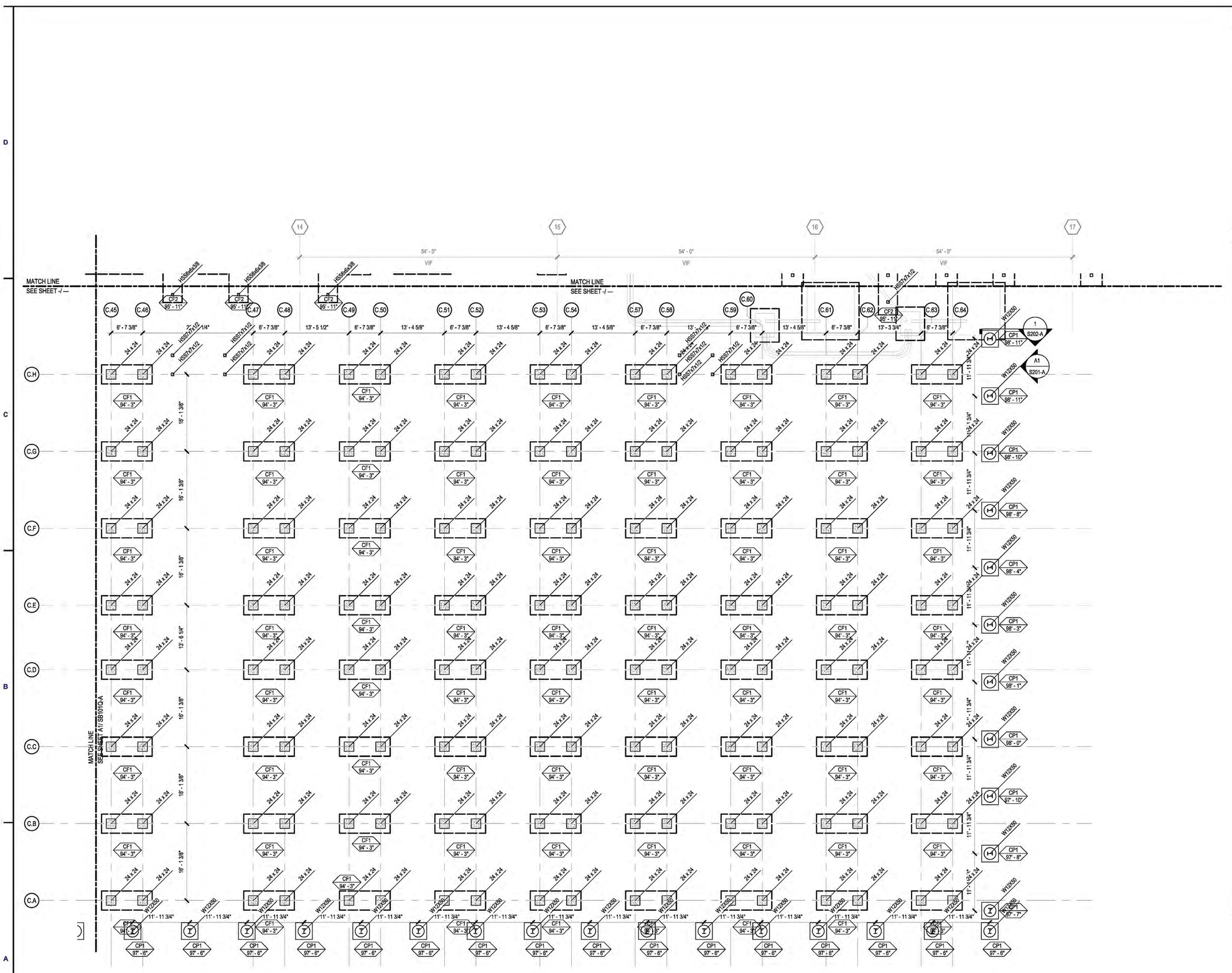
SHEET TITLE

BUILDING 1
FOUNDATION PLAN -
AREA Q

SHEET NUMBER

BLDG1-SB101Q-A

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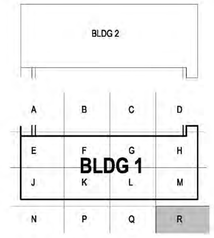
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810 PAGE RD,
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SHEET TITLE

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FOUNDATION PLAN -
AREA R

SHEET NUMBER

BLDG1-SB101R-A

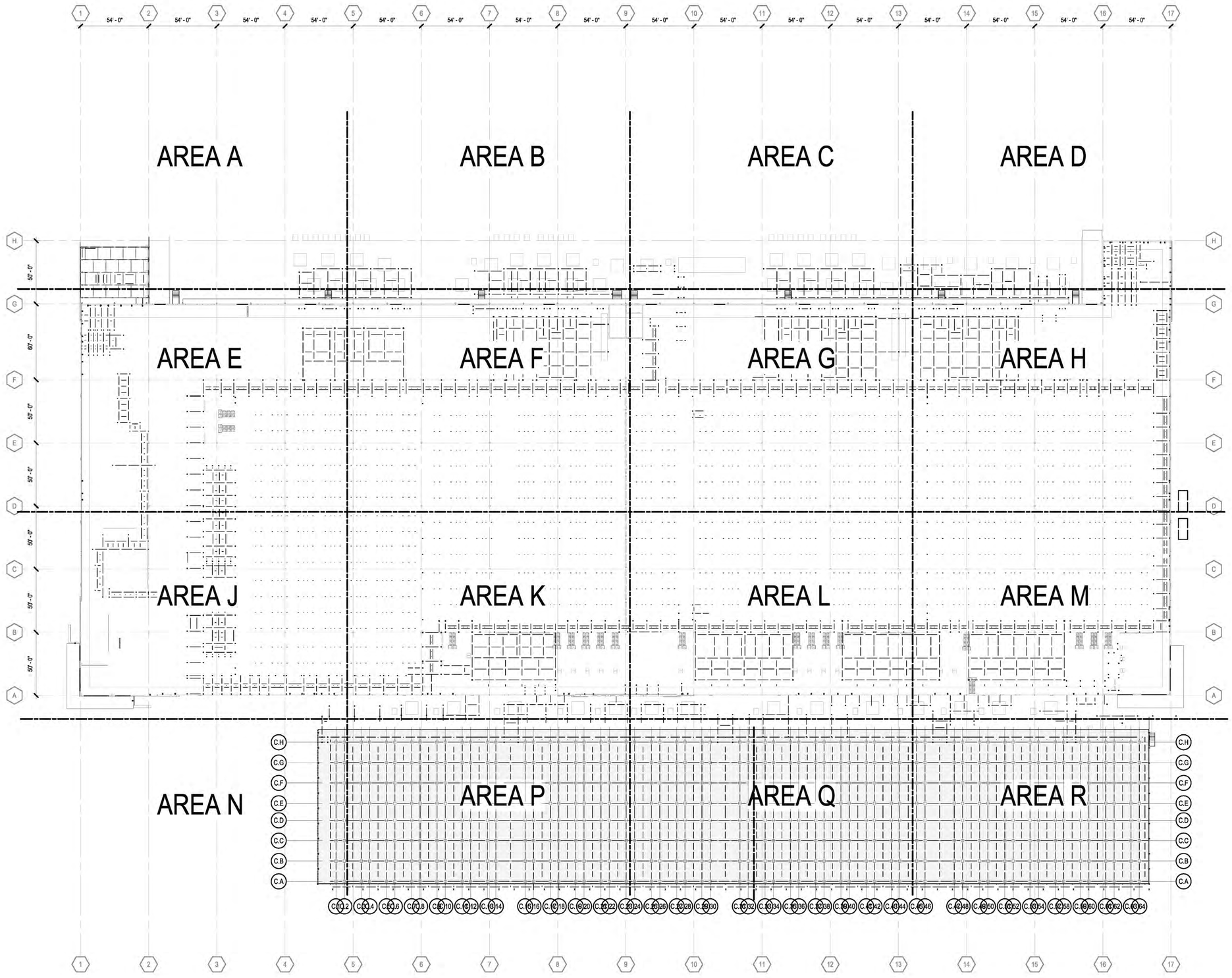
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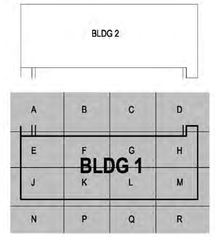


GENERAL SHEET NOTES

1. SOME SHEET KEYNOTES MAY NOT APPLY TO THIS SHEET.
2. REFERENCE FINISH FLOOR ELEVATION 0'-0" = MEAN SEA FINISH FLOOR ELEVATION. SEE CIVIL DRAWINGS.
3. DIMENSIONS ARE TO GRID LINES UNLESS NOTED OTHERWISE.
4. EXISTING CONSTRUCTION IS PER AVAILABLE EXISTING DRAWINGS. ALL EXISTING CONSTRUCTION AND DIMENSIONS SHALL BE VERIFIED PRIOR TO CONSTRUCTION. SHOULD CONDITIONS VARY FROM THOSE SHOWN, CONTACT ENGINEER BEFORE PROCEEDING.
5. SEE SHEETS SB711-A THRU SF742-A FOR TYPICAL DETAILS.
6. SEE SHEET S601-A FOR SCHEDULES.
7. NEW COLUMNS ON INTERIOR OF BUILDING SHALL BE SUPPORTED BY EXISTING 7" THICK SLAB ON GRADE UNLESS NOTED OTHERWISE.

SHEET KEYNOTE

KEYPLAN



N
TRUE NORTH

A1 BUILDING 1 OVERALL LOW FRAMING BUILDING PLAN
SCALE: 1/32" = 1'-0"

Salas O'Brien
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2950 Kraft Drive
Seattle, TN 37204

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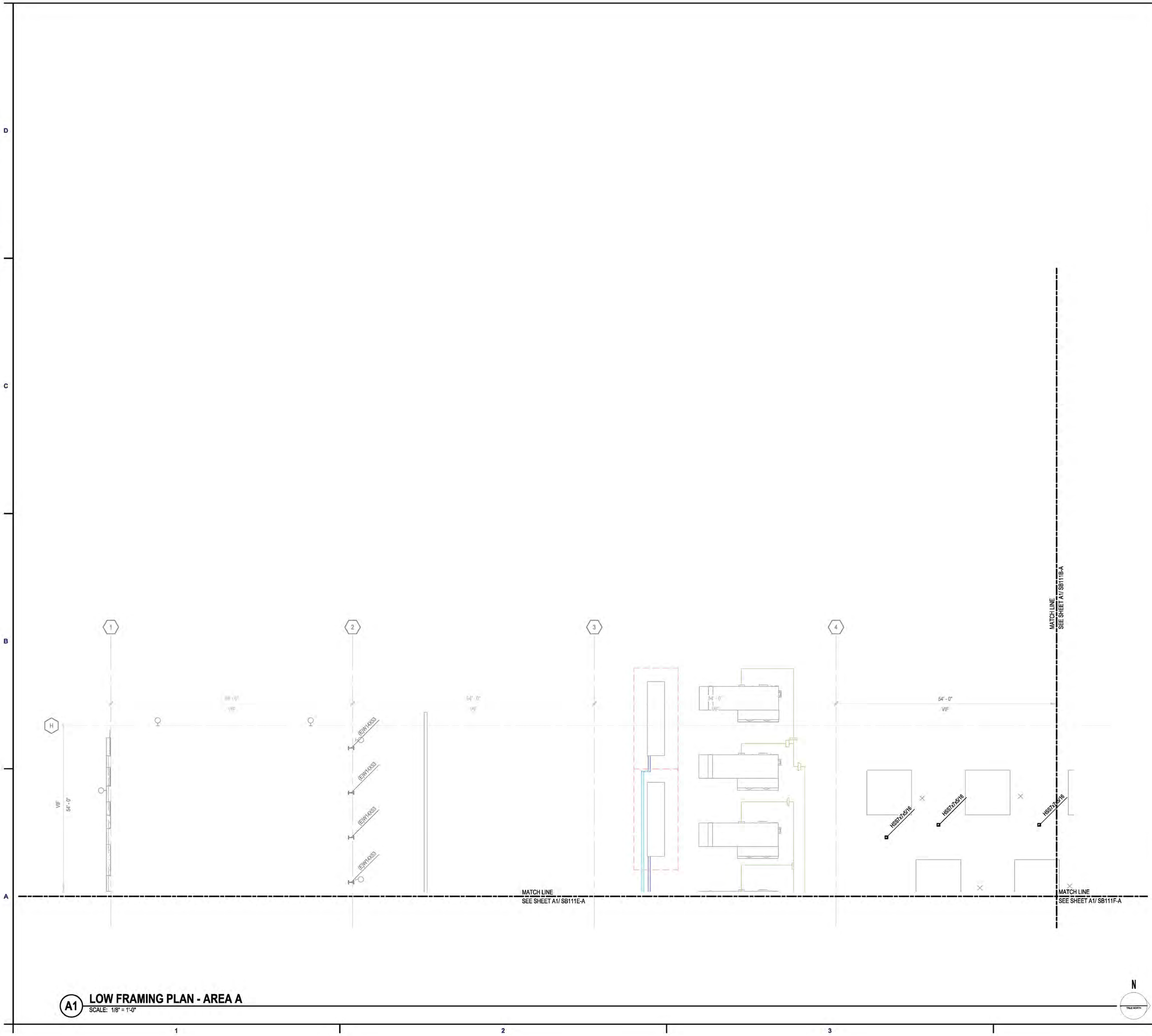
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SHEET TITLE

BUILDING 1 OVERALL INTERMEDIATE BUILDING PLAN

SHEET NUMBER
BLDG1-SB110A-A

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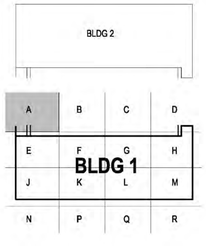
A1 **LOW FRAMING PLAN - AREA A**
SCALE: 1/8" = 1'-0"

GENERAL SHEET NOTES

SHEET KEYNOTE

1. PIPE SUPPORT FRAME DESIGNED FOR MAXIMUM APPLIED DL OF 202 PLF PER PIPE. SEE D3 / SF542-A FOR ATTACHMENTS AND FRAME CONNECTIONS.
2. MEZZANINE FLOOR FRAMING HAS BEEN DESIGNED FOR A MAXIMUM UNREDUCED LIVE LOAD OF 250 PSF.
3. ELECTRICAL EQUIPMENT SEE ELECTRICAL DRAWINGS FOR EXACT LOCATION, SIZE AND QUANTITY OF CABLE RUNS. MAXIMUM EQUIPMENT WEIGHT OF 115 LB/FT. SUPPORT BY OTHERS.
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   18" DIA IS 202 LB/FT PER PIPE
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6. CABLE TRAY SEE ELECTRICAL DRAWINGS FOR EXACT LOCATION, SIZE, AND QUANTITY. SUPPORT STEEL DESIGNED FOR A MAXIMUM DL OF 200 LBS/FT. VERIFY LOADS AND ALERT EOR IF LOADS EXCEED THIS LIMIT PRIOR TO PLACEMENT.
7. WELDED SERRATED STEEL BAR GRATING SHALL CONSIST OF 2"x3/16" BEARING BARS AT 1 3/16" ON CENTER AND CROSS BARS AT 4" ON CENTER. FASTENING OF STEEL GRATING SHALL BE MADE USING SADDLE CLIPS WITH SELF DRILLING FASTENERS. THE NUMBER AND SPACING OF FASTENERS SHALL BE AS RECOMMENDED BY THE GRATING MANUFACTURER. CUT AND FIT THE GRATING AROUND ALL ELEMENTS PROTRUDING THROUGH THE GRATING
8. STEEL LADDER SEE DEFERRED DESIGN CRITERIA ON S-001.
9. STEEL SUPPLIER SHALL PROVIDE GUARDRAIL THAT MEETS ALL OSHA AND CODE REQUIREMENTS; SEE C1 / SB512-AXX FOR MORE INFORMATION
10. LL4x4x3/8 DIAPHRAGM BRACING AT DASHED LINES.
11. REFER TO DETAILS D1 / SB512-AXX& B4 / SB513-AXXOR HORIZONTAL SLIP CONNECTION AS REQUIRED AT THE INDICATED COLUMN LINE.
12. PROVIDE CAP PL AT TOP OF ALL WF COLUMNS PER DETAIL C4 / SB512-AXX
13. PROVIDE SUPPORT FOR CABLE TRAYS AT EXISTING CONC. WALL PER DETAIL A1 / SF543-A

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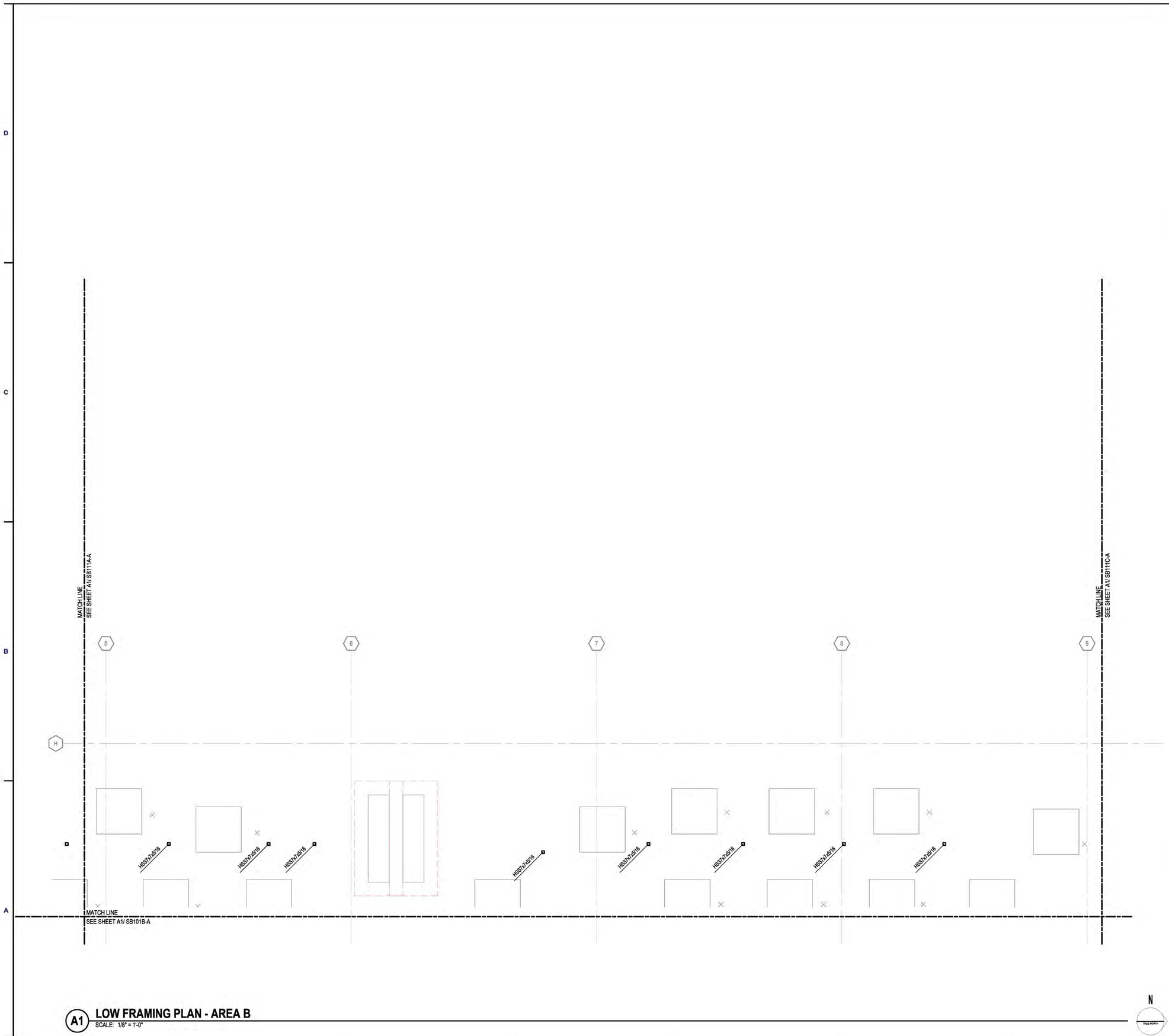
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SHEET TITLE

BUILDING 1 LOW FRAMING PLAN - AREA A

SHEET NUMBER
BLDG1-SB111A-A

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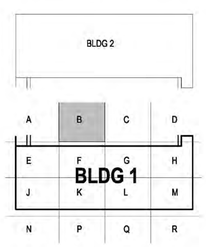
A1 **LOW FRAMING PLAN - AREA B**
SCALE: 1/8" = 1'-0"

GENERAL SHEET NOTES

SHEET KEYNOTE

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2. MEZZANINE FLOOR FRAMING HAS BEEN DESIGNED FOR A MAXIMUM UNREDUCED LIVE LOAD OF 250 PSF.
3. ELECTRICAL EQUIPMENT SEE ELECTRICAL DRAWINGS FOR EXACT LOCATION, SIZE AND QUANTITY OF CABLE RUNS. MAXIMUM EQUIPMENT WEIGHT OF 115 LB/FT, SUPPORT BY OTHERS.
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10. LL4x4x3/8 DIAPHRAGM BRACING AT DASHED LINES.
11. REFER TO DETAILS D1 / SB512-AXX& B4 / SB513-AXXOR HORIZONTAL SLIP CONNECTION AS REQUIRED AT THE INDICATED COLUMN LINE.
12. PROVIDE CAP PL AT TOP OF ALL WF COLUMNS PER DETAIL C4 / SB512-AXX
13. PROVIDE SUPPORT FOR CABLE TRAYS AT EXISTING CONC. WALL PER DETAIL A1 / SF543-A

KEYPLAN



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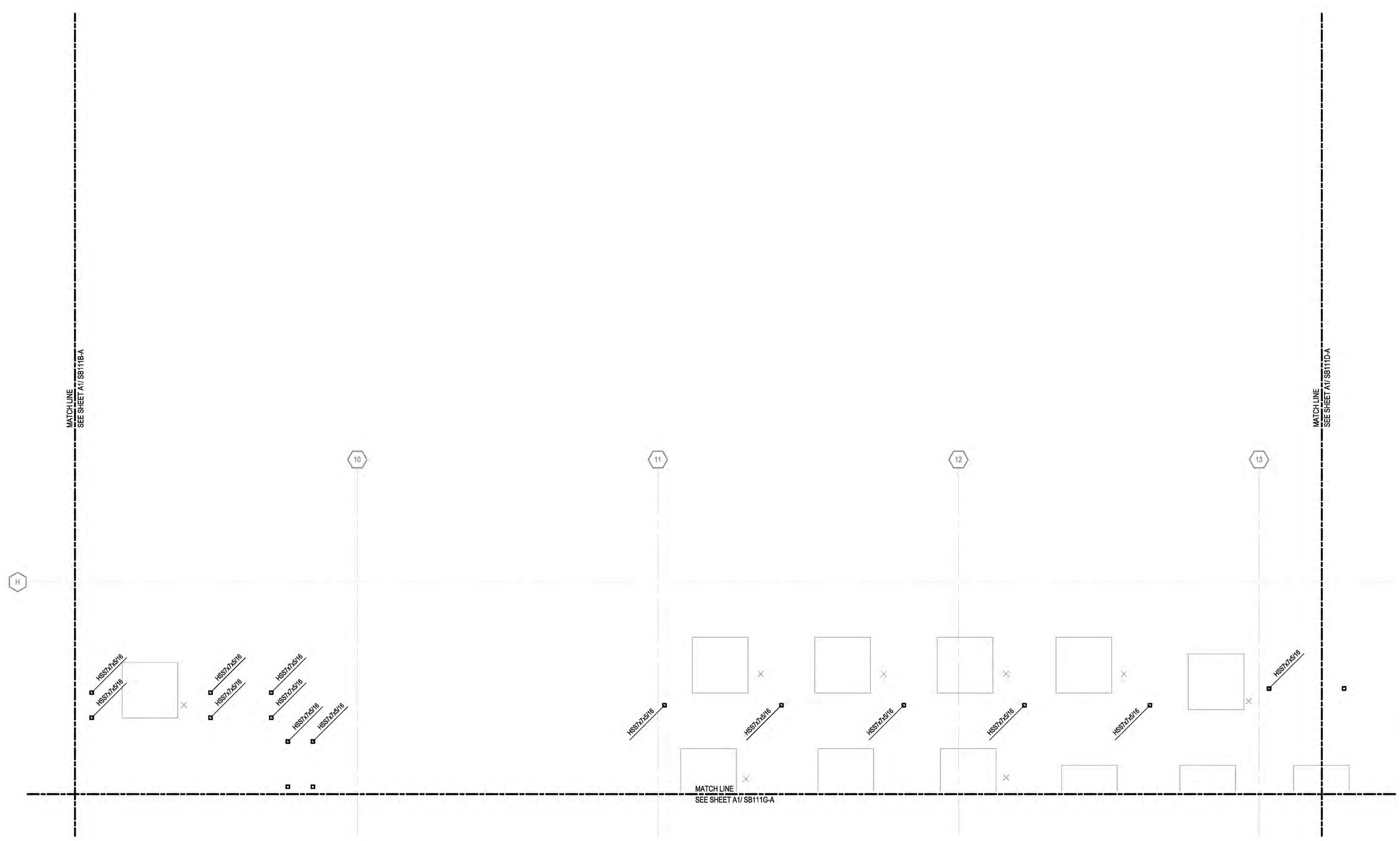
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SHEET TITLE

BUILDING 1 LOW FRAMING PLAN - AREA B

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A1 LOW FRAMING PLAN - AREA C

SCALE: 1/8" = 1'-0"

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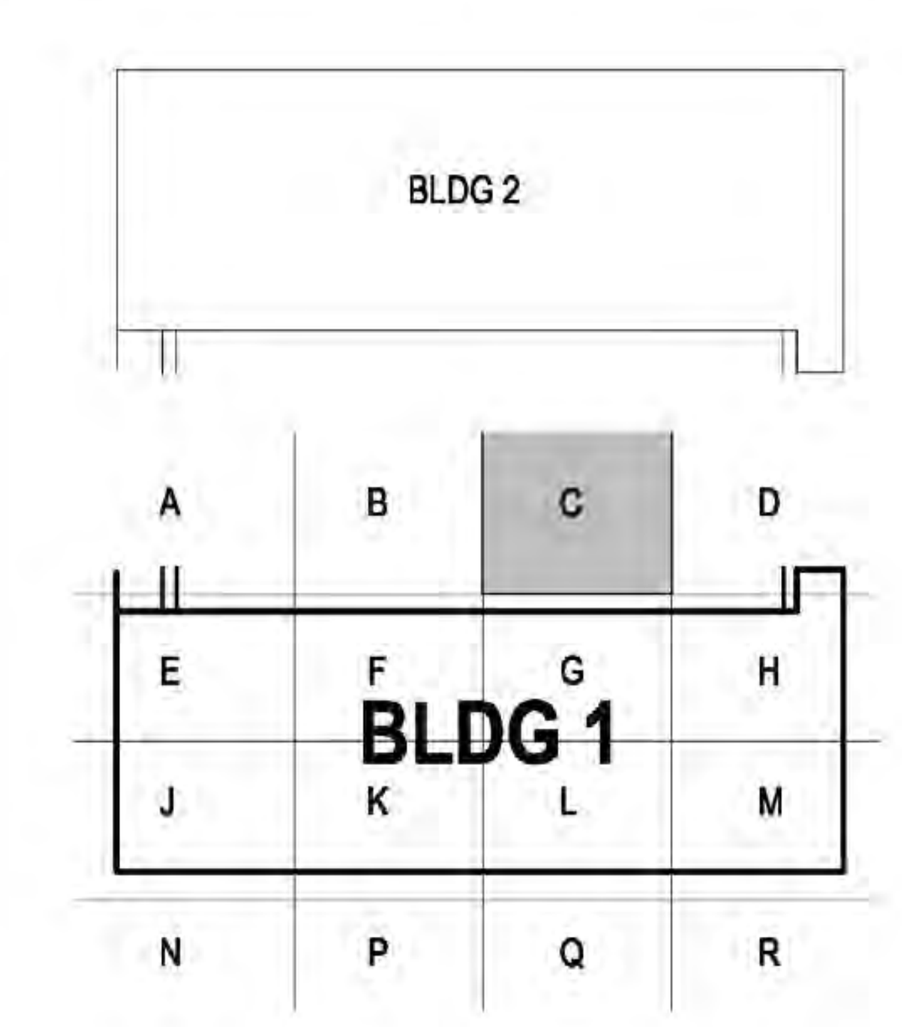
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GENERAL SHEET NOTES

SHEET KEYNOTE

1. PIPE SUPPORT FRAME DESIGNED FOR MAXIMUM APPLIED DL OF 202 PLF PER PIPE. SEE D3 / SF542-A FOR ATTACHMENTS AND FRAME CONNECTIONS.
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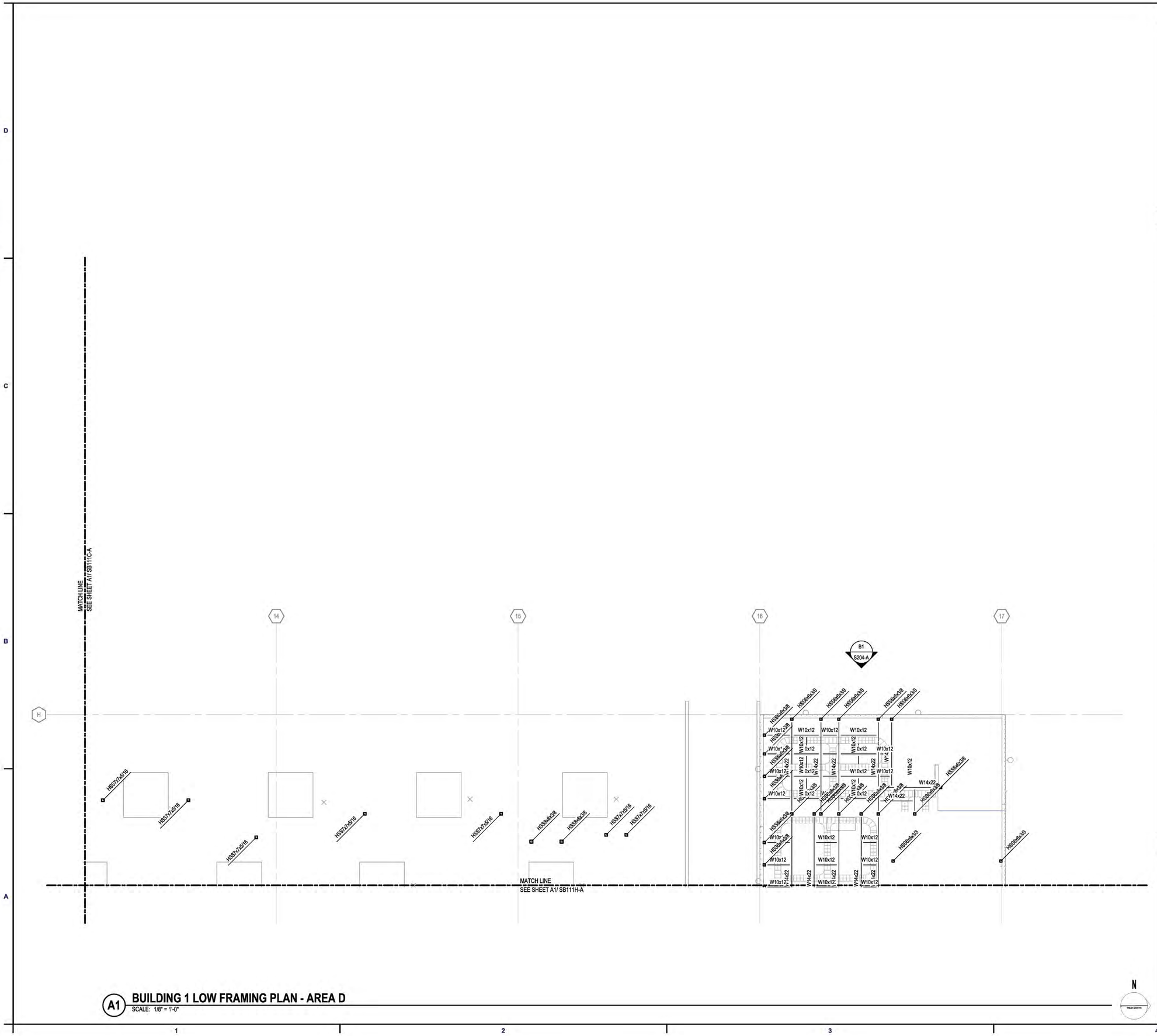
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SHEET TITLE

BUILDING 1 LOW FRAMING PLAN - AREA C

SHEET NUMBER
BLDG1-SB111C-A

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A1 BUILDING 1 LOW FRAMING PLAN - AREA D

SCALE: 1/8" = 1'-0"

N

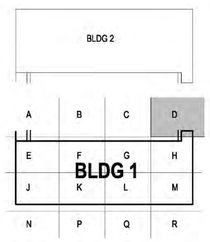
TRUE NORTH

GENERAL SHEET NOTES

SHEET KEYNOTE

1. PIPE SUPPORT FRAME DESIGNED FOR MAXIMUM APPLIED DL OF 202 PLF PER PIPE. SEE D3 / SF542-A FOR ATTACHMENTS AND FRAME CONNECTIONS.
2. MEZZANINE FLOOR FRAMING HAS BEEN DESIGNED FOR A MAXIMUM UNREDUCED LIVE LOAD OF 250 PSF.
3. ELECTRICAL EQUIPMENT SEE ELECTRICAL DRAWINGS FOR EXACT LOCATION, SIZE AND QUANTITY OF CABLE RUNS. MAXIMUM EQUIPMENT WEIGHT OF 115 LB/FT. SUPPORT BY OTHERS.
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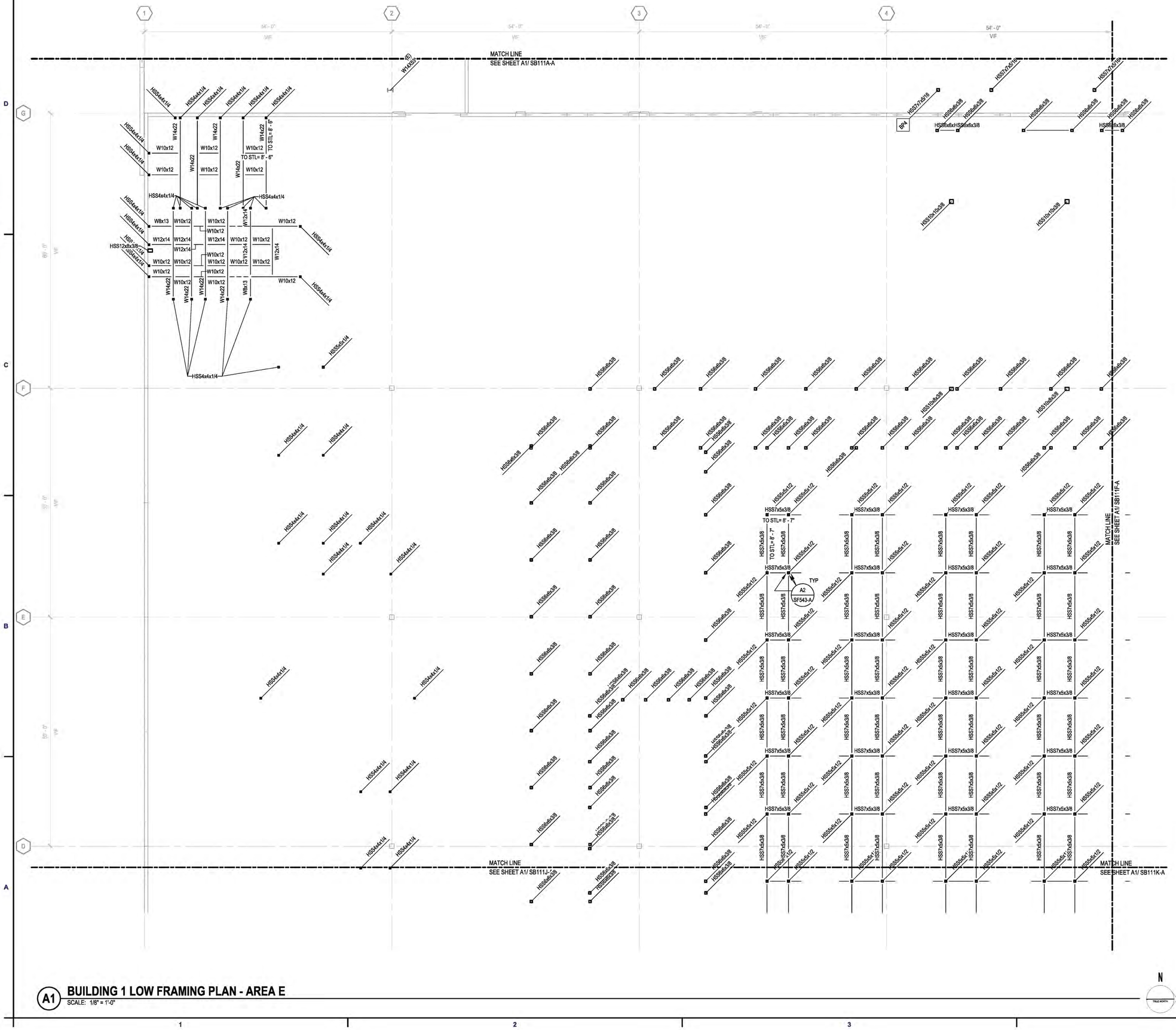
SHEET TITLE

BUILDING 1 LOW FRAMING PLAN - AREA D

SHEET NUMBER

BLDG1-SB111D-A

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A1 BUILDING 1 LOW FRAMING PLAN - AREA E

SCALE: 1/8" = 1'-0"

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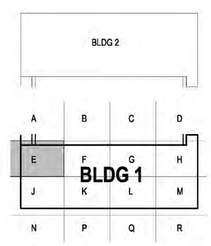
TRUE NORTH

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SHEET KEYNOTE

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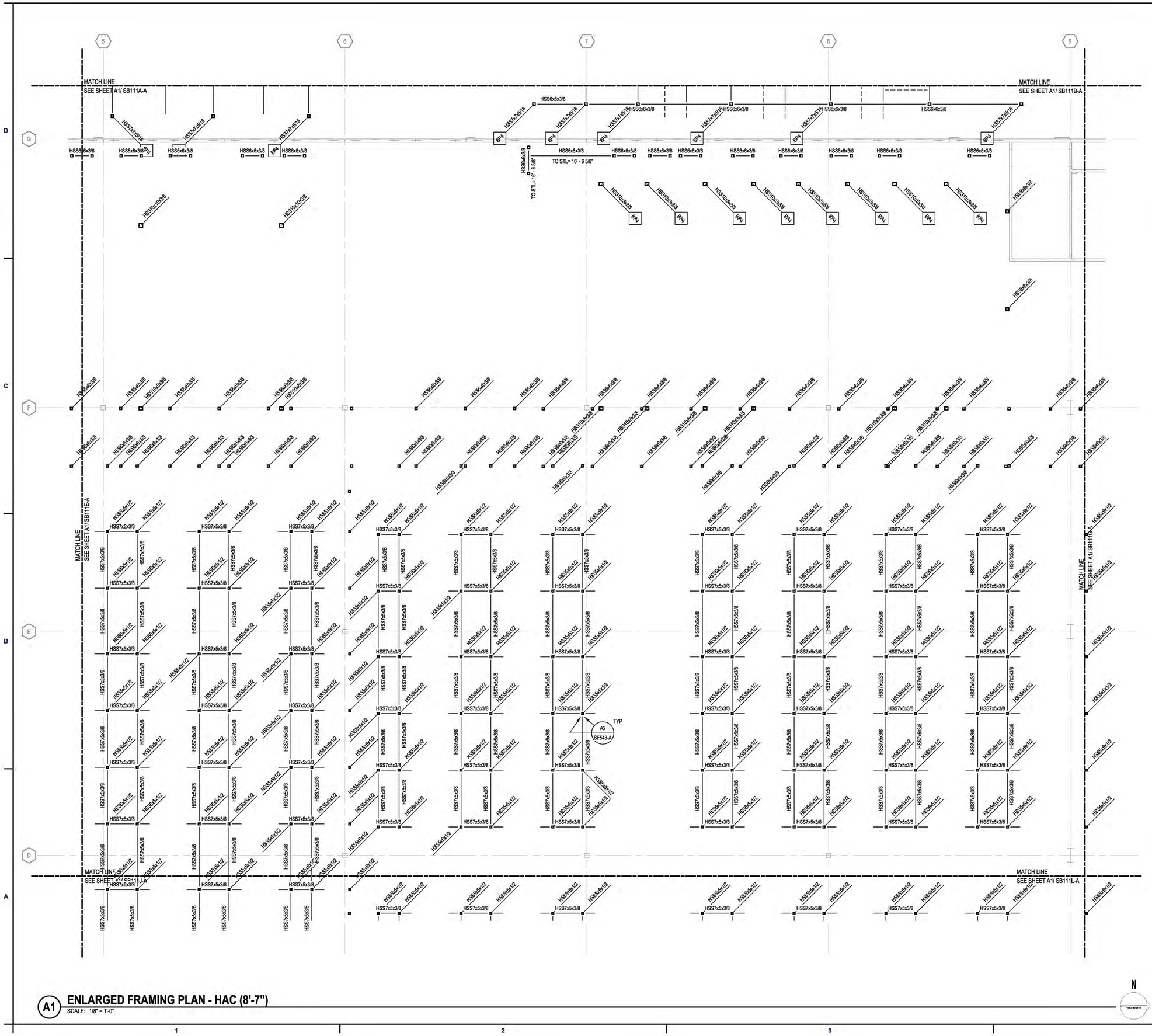
SHEET TITLE

BUILDING 1 LOW FRAMING PLAN - AREA E

SHEET NUMBER

BLDG1-SB111E-A

9/21/2026 10:29:01 PM Autodesk Docs://Auburndale, FL/Auburndale-Struct-Building 1-RVT2025.rvt



A1 ENLARGED FRAMING PLAN - HAC (8'-7")

SCALE: 1/8" = 1'-0"

N

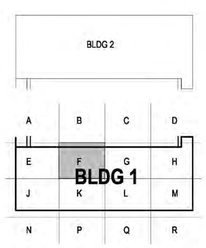
TRUE NORTH

GENERAL SHEET NOTES

SHEET KEYNOTE

1. PIPE SUPPORT FRAME DESIGNED FOR MAXIMUM APPLIED DL OF 202 PLF PER PIPE. SEE D3 / SF542-A FOR ATTACHMENTS AND FRAME CONNECTIONS.
2. MEZZANINE FLOOR FRAMING HAS BEEN DESIGNED FOR A MAXIMUM UNREDUCED LIVE LOAD OF 250 PSF.
3. ELECTRICAL EQUIPMENT SEE ELECTRICAL DRAWINGS FOR EXACT LOCATION, SIZE AND QUANTITY OF CABLE RUNS. MAXIMUM EQUIPMENT WEIGHT OF 115 LB/FT, SUPPORT BY OTHERS.
4. PIPING EQUIPMENT SEE MECHANICAL DRAWINGS FOR EXACT LOCATION, SIZE AND QUANTITY OF PIPES. MAXIMUM EQUIPMENT WEIGHT OF
   <10" DIA IS 75 LB/FT PER PIPE
   12" DIA IS 102 LB/FT PER PIPE
   14" DIA IS 122 LB/FT PER PIPE
   16" DIA IS 160 LB/FT PER PIPE
   18" DIA IS 202 LB/FT PER PIPE
   SUPPORT OF PIPES IN THE DATA HALL BY OTHERS.
5. ELECTRICAL EQUIPMENT SEE ELECTRICAL DRAWINGS FOR EXACT LOCATION, SIZE AND QUANTITY OF CABLE RUNS. MAXIMUM EQUIPMENT WEIGHT OF 200 LB/FT. SUPPORT BY OTHERS.
6. CABLE TRAY SEE ELECTRICAL DRAWINGS FOR EXACT LOCATION, SIZE, AND QUANTITY. SUPPORT STEEL DESIGNED FOR A MAXIMUM DL OF 200 LBS/FT. VERIFY LOADS AND ALERT EOR IF LOADS EXCEED THIS LIMIT PRIOR TO PLACEMENT.
7. WELDED SERRATED STEEL BAR GRATING SHALL CONSIST OF 2"x3/16" BEARING BARS AT 1 3/16" ON CENTER AND CROSS BARS AT 4" ON CENTER. FASTENING OF STEEL GRATING SHALL BE MADE USING SADDLE CLIPS WITH SELF DRILLING FASTENERS. THE NUMBER AND SPACING OF FASTENERS SHALL BE AS RECOMMENDED BY THE GRATING MANUFACTURER. CUT AND FIT THE GRATING AROUND ALL ELEMENTS PROTRUDING THROUGH THE GRATING
8. STEEL LADDER SEE DEFERRED DESIGN CRITERIA ON S-001.
9. STEEL SUPPLIER SHALL PROVIDE GUARDRAIL THAT MEETS ALL OSHA AND CODE REQUIREMENTS; SEE C1 / SB512-AXX FOR MORE INFORMATION
10. LL4x4x3/8 DIAPHRAGM BRACING AT DASHED LINES.
11. REFER TO DETAILS D1 / SB512-AXX& B4 / SB513-AXXOR HORIZONTAL SLIP CONNECTION AS REQUIRED AT THE INDICATED COLUMN LINE.
12. PROVIDE CAP PL AT TOP OF ALL WF COLUMNS PER DETAIL C4 / SB512-AXX
13. PROVIDE SUPPORT FOR CABLE TRAYS AT EXISTING CONC. WALL PER DETAIL A1 / SF543-A

KEYPLAN



Salas O'Brien
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Seattle, TN 37204

PROFESSIONAL SEAL

NATHAN B. MEHAFFEY LICENSE NO. 77819 EXP:02/28/2027 STATE OF FLORIDA PROFESSIONAL ENGINEER
09/21/2026

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PROJECT SUNSHINE

BUILDING 1

810 PACE RD,
AUBURNDALE, FL 33823

ISSUE DATE	DESCRIPTION
09/21/2026	REVISED FIT-UP IFP

Δ	DESCRIPTION	DATE

ISSUE:

PROJ NO
2540-01309

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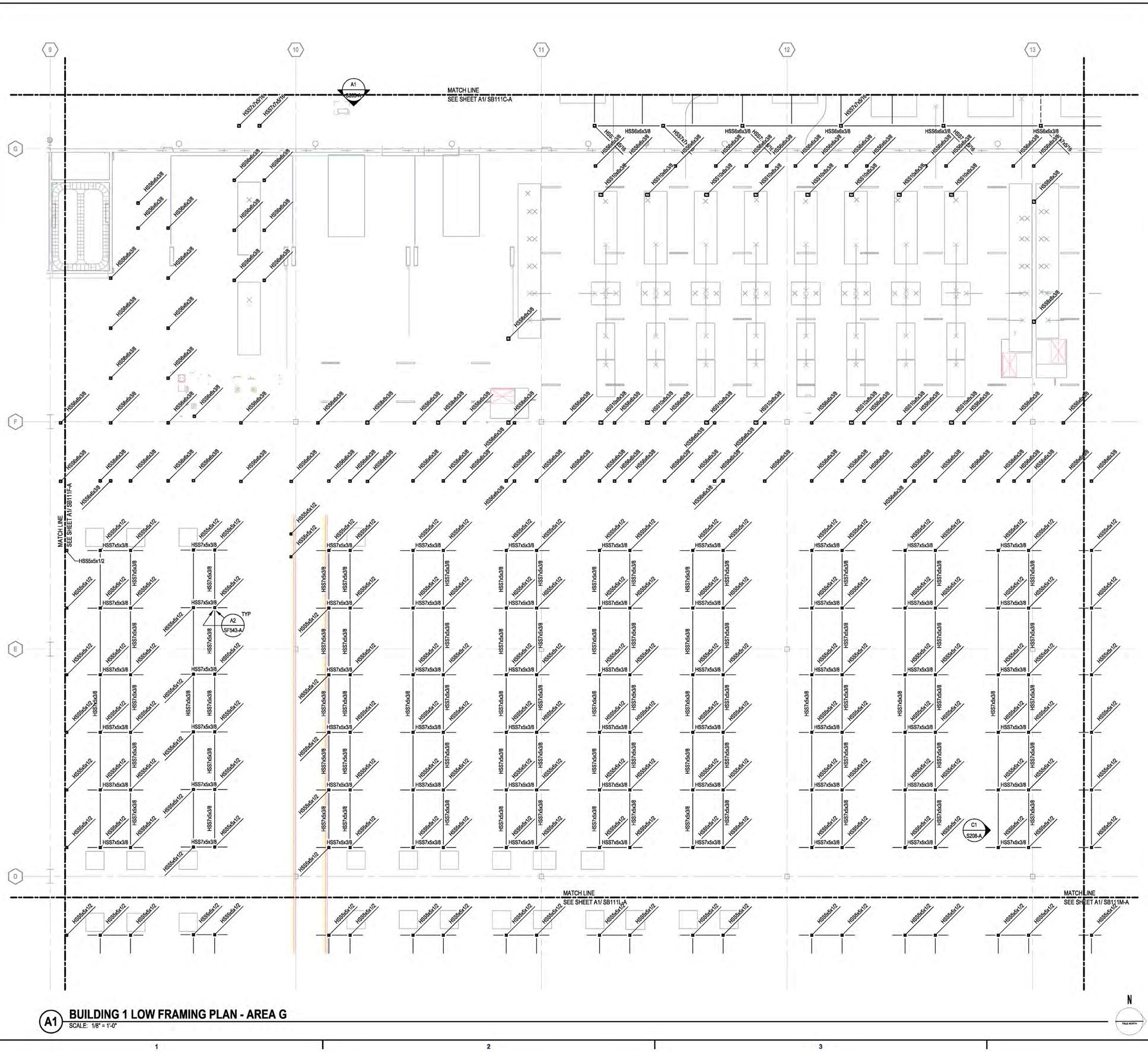
SHEET TITLE

BUILDING 1 LOW FRAMING PLAN - AREA F

SHEET NUMBER

BLDG1-SB111F-A

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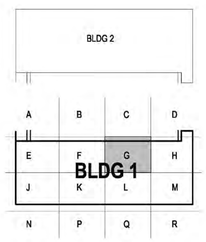
A1 **BUILDING 1 LOW FRAMING PLAN - AREA G**
SCALE: 1/8" = 1'-0"

GENERAL SHEET NOTES

SHEET KEYNOTE

1. PIPE SUPPORT FRAME DESIGNED FOR MAXIMUM APPLIED DL OF 202 PLF PER PIPE. SEE D3 / SF542-A FOR ATTACHMENTS AND FRAME CONNECTIONS.
2. MEZZANINE FLOOR FRAMING HAS BEEN DESIGNED FOR A MAXIMUM UNREDUCED LIVE LOAD OF 250 PSF.
3. ELECTRICAL EQUIPMENT SEE ELECTRICAL DRAWINGS FOR EXACT LOCATION, SIZE AND QUANTITY OF CABLE RUNS. MAXIMUM EQUIPMENT WEIGHT OF 115 LB/FT. SUPPORT BY OTHERS.
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7. WELDED SERRATED STEEL BAR GRATING SHALL CONSIST OF 2"x3/16" BEARING BARS AT 1 3/16" ON CENTER AND CROSS BARS AT 4" ON CENTER. FASTENING OF STEEL GRATING SHALL BE MADE USING SADDLE CLIPS WITH SELF DRILLING FASTENERS. THE NUMBER AND SPACING OF FASTENERS SHALL BE AS RECOMMENDED BY THE GRATING MANUFACTURER. CUT AND FIT THE GRATING AROUND ALL ELEMENTS PROTRUDING THROUGH THE GRATING
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9. STEEL SUPPLIER SHALL PROVIDE GUARDRAIL THAT MEETS ALL OSHA AND CODE REQUIREMENTS; SEE C1 / SB512-AXX FOR MORE INFORMATION
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11. REFER TO DETAILS D1 / SB512-AXX& B4 / SB513-AXXOR HORIZONTAL SLIP CONNECTION AS REQUIRED AT THE INDICATED COLUMN LINE.
12. PROVIDE CAP PL AT TOP OF ALL WF COLUMNS PER DETAIL C4 / SB512-AXX
13. PROVIDE SUPPORT FOR CABLE TRAYS AT EXISTING CONC. WALL PER DETAIL A1 / SF543-A

KEYPLAN



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NATHAN B. MENSAH LICENSE NO. 77919 EXPIRATION DATE: 02/28/2027 STATE OF FLORIDA PROFESSIONAL ENGINEER
09/21/2026

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PROJECT SUNSHINE

BUILDING 1
810 PACE RD.
AUBURNDALE, FL 33823

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SHEET TITLE

BUILDING 1 LOW FRAMING PLAN - AREA G

SHEET NUMBER
BLDG1-SB111G-A

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A1 BUILDING 1 LOW FRAMING PLAN - AREA H

SCALE: 1/8" = 1'-0"

N

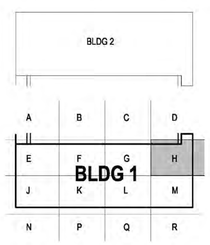
TRUE NORTH

GENERAL SHEET NOTES

SHEET KEYNOTE

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13. PROVIDE SUPPORT FOR CABLE TRAYS AT EXISTING CONC. WALL PER DETAIL A1 / SF543-A

KEYPLAN



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Seattle, TN 37204

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NATHAN B. MEINERT LICENSE NO. 77819 STATE OF FLORIDA PROFESSIONAL ENGINEER
EXP:02/28/2027
09/21/2026

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PROJECT SUNSHINE

BUILDING 1

810 PACE RD,
AUBURNDALE, FL 33823

ISSUE DATE	DESCRIPTION
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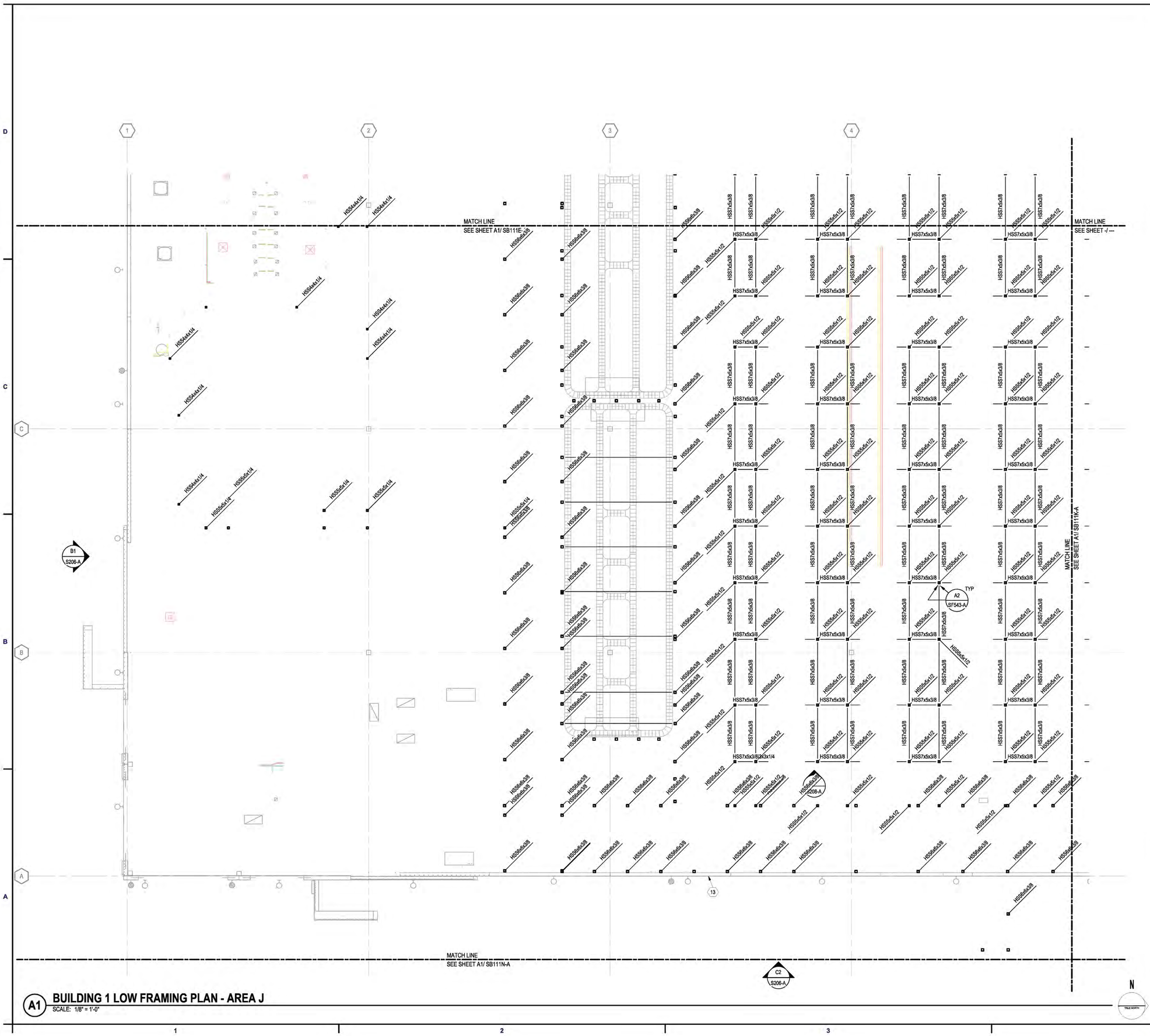
SHEET TITLE

BUILDING 1 LOW FRAMING PLAN - AREA H

SHEET NUMBER

BLDG1-SB111H-A

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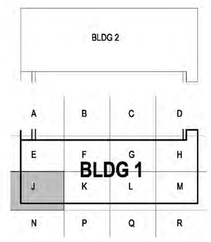
A1 **BUILDING 1 LOW FRAMING PLAN - AREA J**
SCALE: 1/8" = 1'-0"

GENERAL SHEET NOTES

SHEET KEYNOTE

1. PIPE SUPPORT FRAME DESIGNED FOR MAXIMUM APPLIED DL OF 202 PLF PER PIPE. SEE D3 / SF542-A FOR ATTACHMENTS AND FRAME CONNECTIONS.
2. MEZZANINE FLOOR FRAMING HAS BEEN DESIGNED FOR A MAXIMUM UNREDUCED LIVE LOAD OF 250 PSF.
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KEYPLAN



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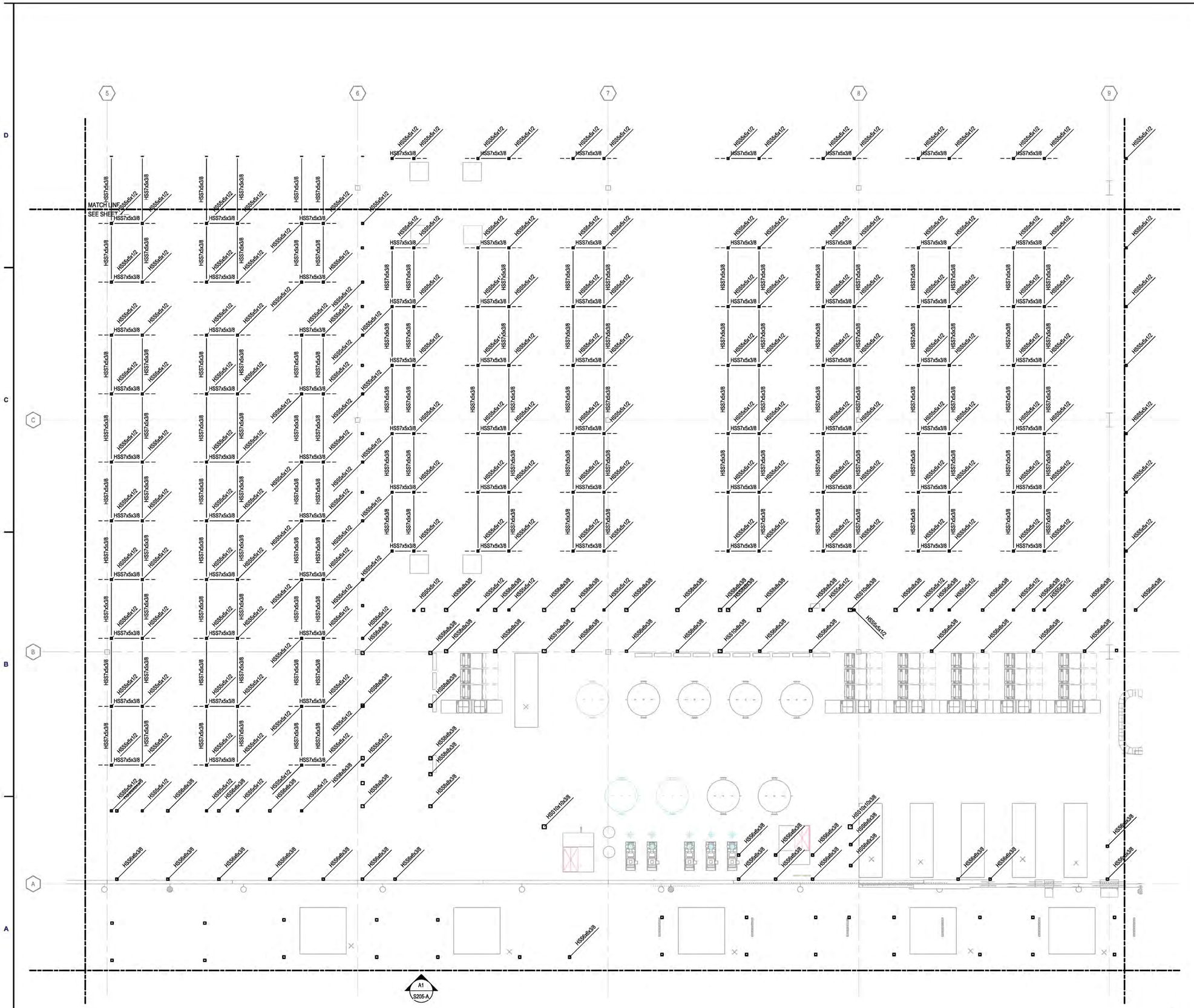
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SHEET TITLE

BUILDING 1 LOW FRAMING PLAN - AREA J

SHEET NUMBER
BLDG1-SB111J-A

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A1 BUILDING 1 LOW FRAMING PLAN - AREA K

SCALE: 1/8" = 1'-0"

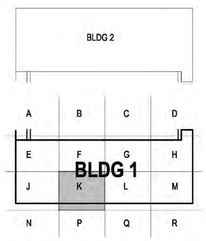
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GENERAL SHEET NOTES

SHEET KEYNOTE

1. PIPE SUPPORT FRAME DESIGNED FOR MAXIMUM APPLIED DL OF 202 PLF PER PIPE. SEE D3 / SF542-A FOR ATTACHMENTS AND FRAME CONNECTIONS.
2. MEZZANINE FLOOR FRAMING HAS BEEN DESIGNED FOR A MAXIMUM UNREDUCED LIVE LOAD OF 250 PSF.
3. ELECTRICAL EQUIPMENT SEE ELECTRICAL DRAWINGS FOR EXACT LOCATION, SIZE AND QUANTITY OF CABLE RUNS. MAXIMUM EQUIPMENT WEIGHT OF 115 LB/FT, SUPPORT BY OTHERS.
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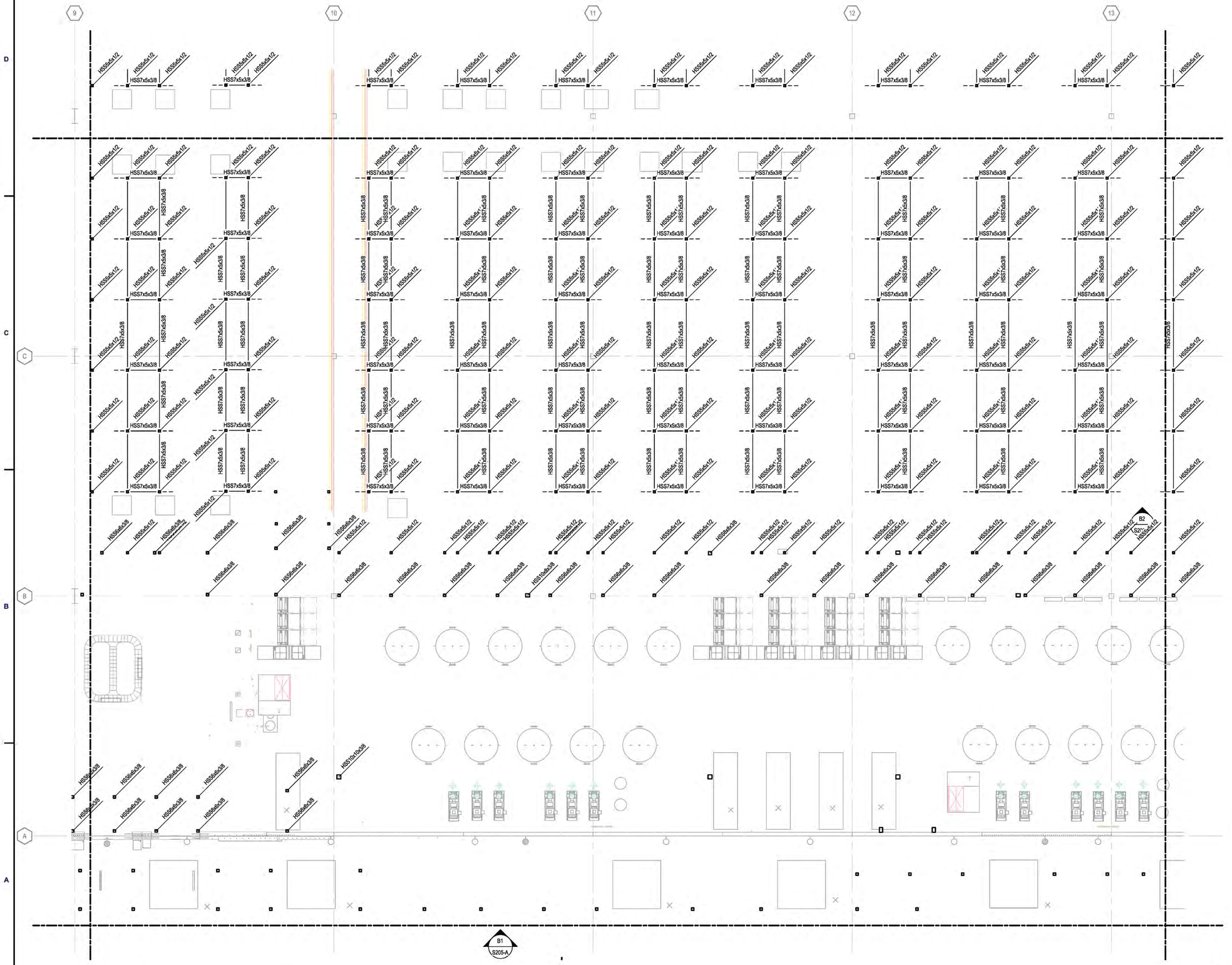
SHEET TITLE

BUILDING 1 LOW FRAMING PLAN - AREA K

SHEET NUMBER

BLDG1-SB111K-A

9/21/2026 10:29:29 PM Autodesk Docs://Auburndale, FL/Auburndale-Struct-Building 1-RVT2025.rvt



A1 BUILDING 1 LOW FRAMING PLAN - AREA L

SCALE: 1/8" = 1'-0"

N

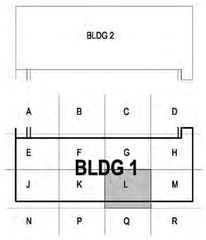
TRUE NORTH

GENERAL SHEET NOTES

SHEET KEYNOTE

1. PIPE SUPPORT FRAME DESIGNED FOR MAXIMUM APPLIED DL OF 202 PLF PER PIPE. SEE D3 / SF542-A FOR ATTACHMENTS AND FRAME CONNECTIONS.
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11. REFER TO DETAILS D1 / SB512-AXX& B4 / SB513-AXXOR HORIZONTAL SLIP CONNECTION AS REQUIRED AT THE INDICATED COLUMN LINE
12. PROVIDE CAP PL AT TOP OF ALL WF COLUMNS PER DETAIL C4 / SB512-AXX
13. PROVIDE SUPPORT FOR CABLE TRAYS AT EXISTING CONC. WALL PER DETAIL A1 / SF543-A

KEYPLAN



Salas O'Brien
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2950 Kraft Drive
Seattle, TN 37204

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09/21/2026

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BUILDING 1

810 PACE RD.
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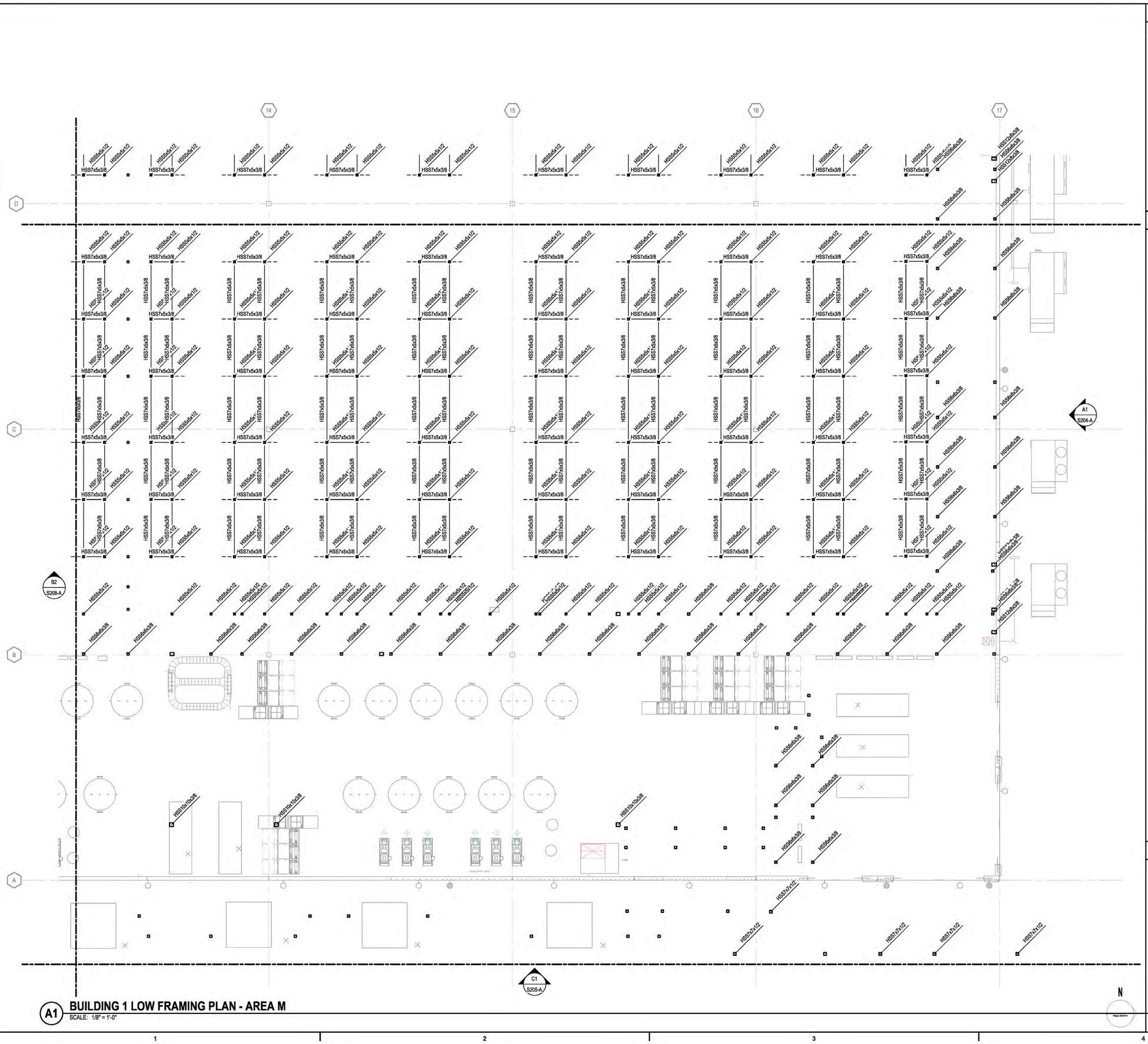
SHEET TITLE

BUILDING 1 LOW FRAMING PLAN - AREA L

SHEET NUMBER

BLDG1-SB111L-A

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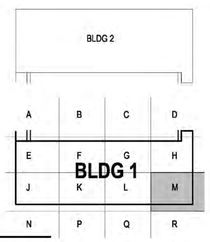
A1 **BUILDING 1 LOW FRAMING PLAN - AREA M**
SCALE: 1/8" = 1'-0"

GENERAL SHEET NOTES

SHEET KEYNOTE

1. PIPE SUPPORT FRAME DESIGNED FOR MAXIMUM APPLIED DL OF 202 PLF PER PIPE. SEE D3 / SF542-A FOR ATTACHMENTS AND FRAME CONNECTIONS.
2. MEZZANINE FLOOR FRAMING HAS BEEN DESIGNED FOR A MAXIMUM UNREDUCED LIVE LOAD OF 250 PSF.
3. ELECTRICAL EQUIPMENT SEE ELECTRICAL DRAWINGS FOR EXACT LOCATION, SIZE AND QUANTITY OF CABLE RUNS. MAXIMUM EQUIPMENT WEIGHT OF 115 LB/FT, SUPPORT BY OTHERS.
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9. STEEL SUPPLIER SHALL PROVIDE GUARDRAIL THAT MEETS ALL OSHA AND CODE REQUIREMENTS; SEE C1 / SB512-AXX FOR MORE INFORMATION
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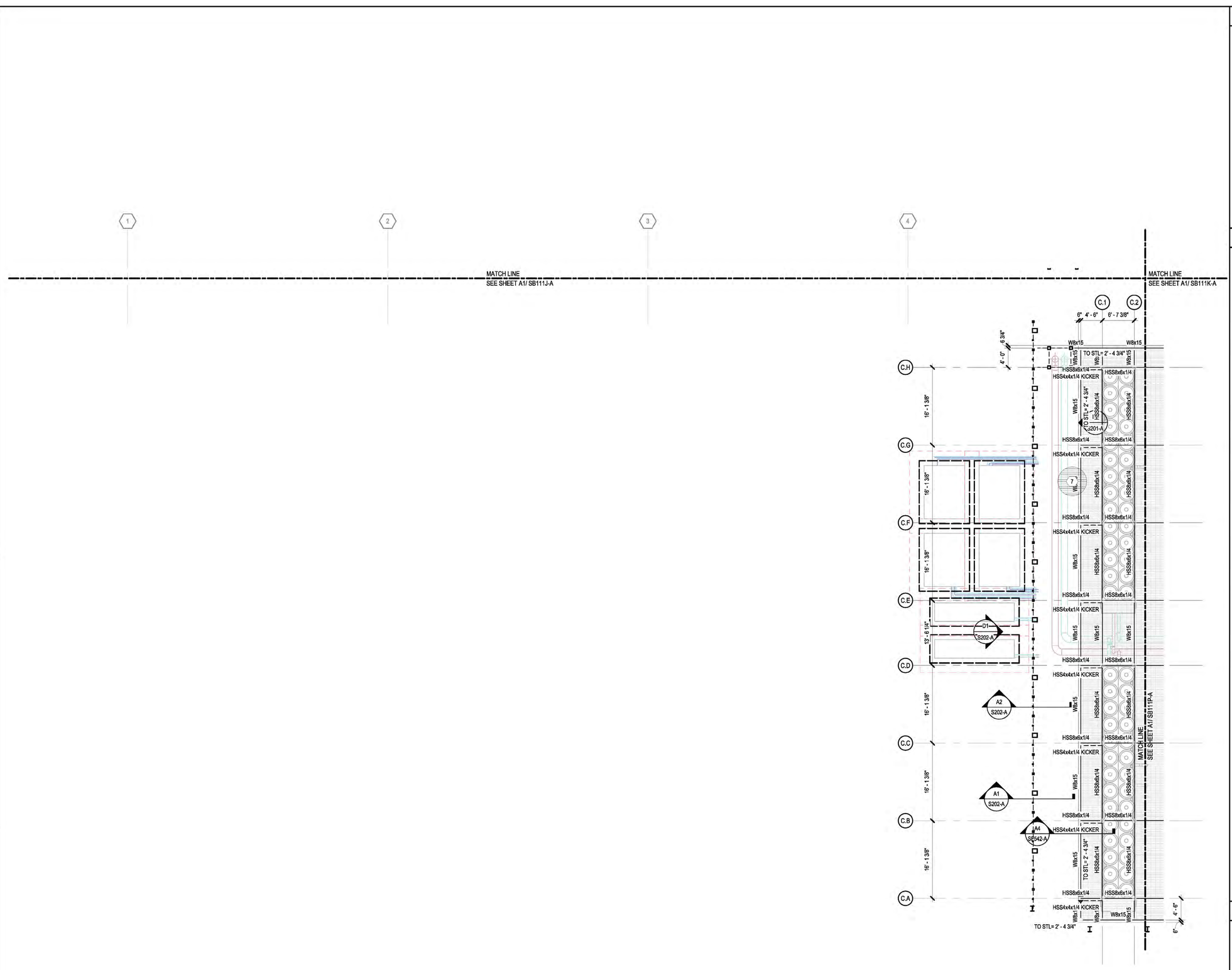
SHEET TITLE

BUILDING 1 LOW FRAMING PLAN - AREA M

SHEET NUMBER

BLDG1-SB111M-A

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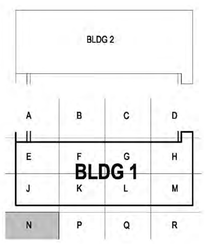


GENERAL SHEET NOTES

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AUBURNDALE, FL 33823

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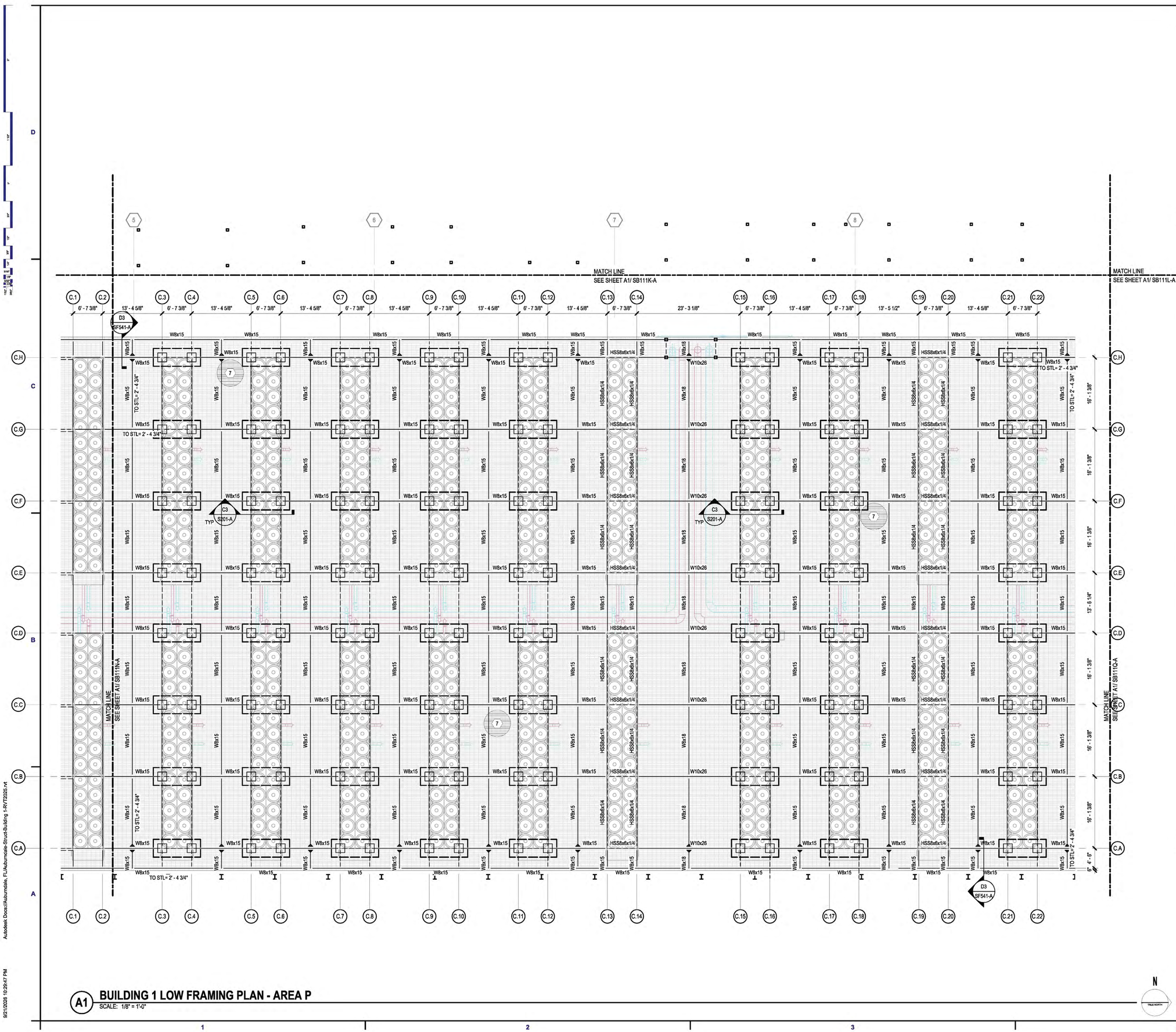
BUILDING 1 LOW FRAMING PLAN - AREA N

SHEET NUMBER
BLDG1-SB111N-A

A1 BUILDING 1 LOW FRAMING PLAN - AREA N
SCALE: 1/8" = 1'-0"

N
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A1 BUILDING 1 LOW FRAMING PLAN - AREA P

SCALE: 1/8" = 1'-0"

N

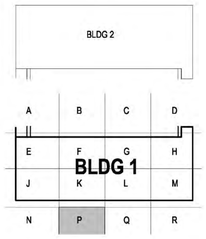
TRUE NORTH

GENERAL SHEET NOTES

SHEET KEYNOTE

1. PIPE SUPPORT FRAME DESIGNED FOR MAXIMUM APPLIED DL OF 202 PLF PER PIPE. SEE D3 / SF542-A FOR ATTACHMENTS AND FRAME CONNECTIONS.
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BUILDING 1

810 PACE RD,
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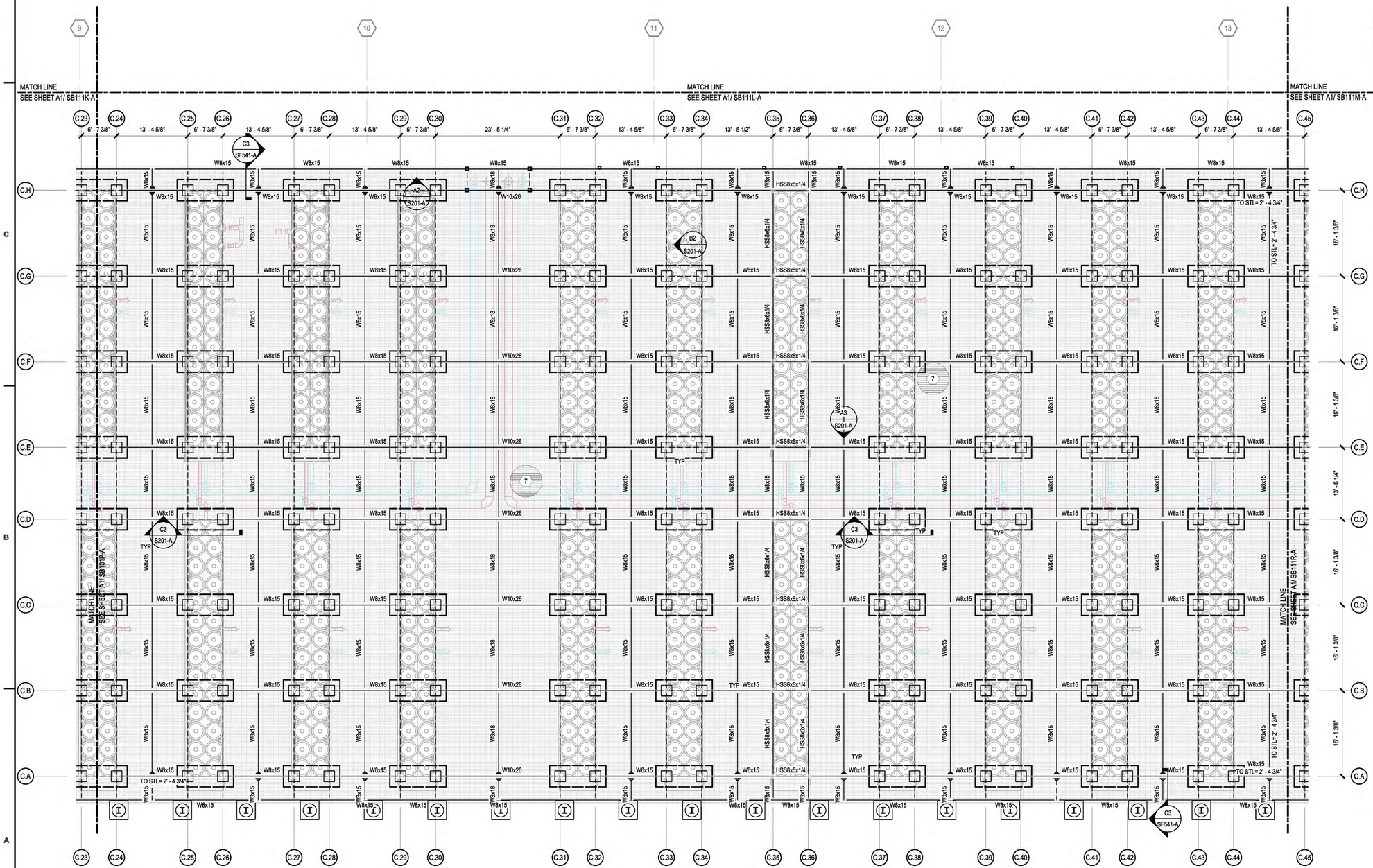
SHEET TITLE

BUILDING 1 LOW FRAMING PLAN - AREA P

SHEET NUMBER

BLDG1-SB111P-A

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A1 BUILDING 1 LOW FRAMING PLAN - AREA Q

SCALE: 1/8" = 1'-0"

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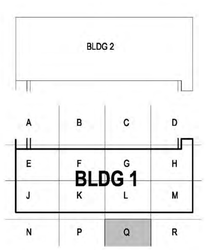
TRUE NORTH

GENERAL SHEET NOTES

SHEET KEYNOTE

1. PIPE SUPPORT FRAME DESIGNED FOR MAXIMUM APPLIED DL OF 202 PLF PER PIPE. SEE D3 / SF542-A FOR ATTACHMENTS AND FRAME CONNECTIONS.
2. MEZZANINE FLOOR FRAMING HAS BEEN DESIGNED FOR A MAXIMUM UNREDUCED LIVE LOAD OF 250 PSF.
3. ELECTRICAL EQUIPMENT SEE ELECTRICAL DRAWINGS FOR EXACT LOCATION, SIZE AND QUANTITY OF CABLE RUNS. MAXIMUM EQUIPMENT WEIGHT OF 115 LB/FT, SUPPORT BY OTHERS.
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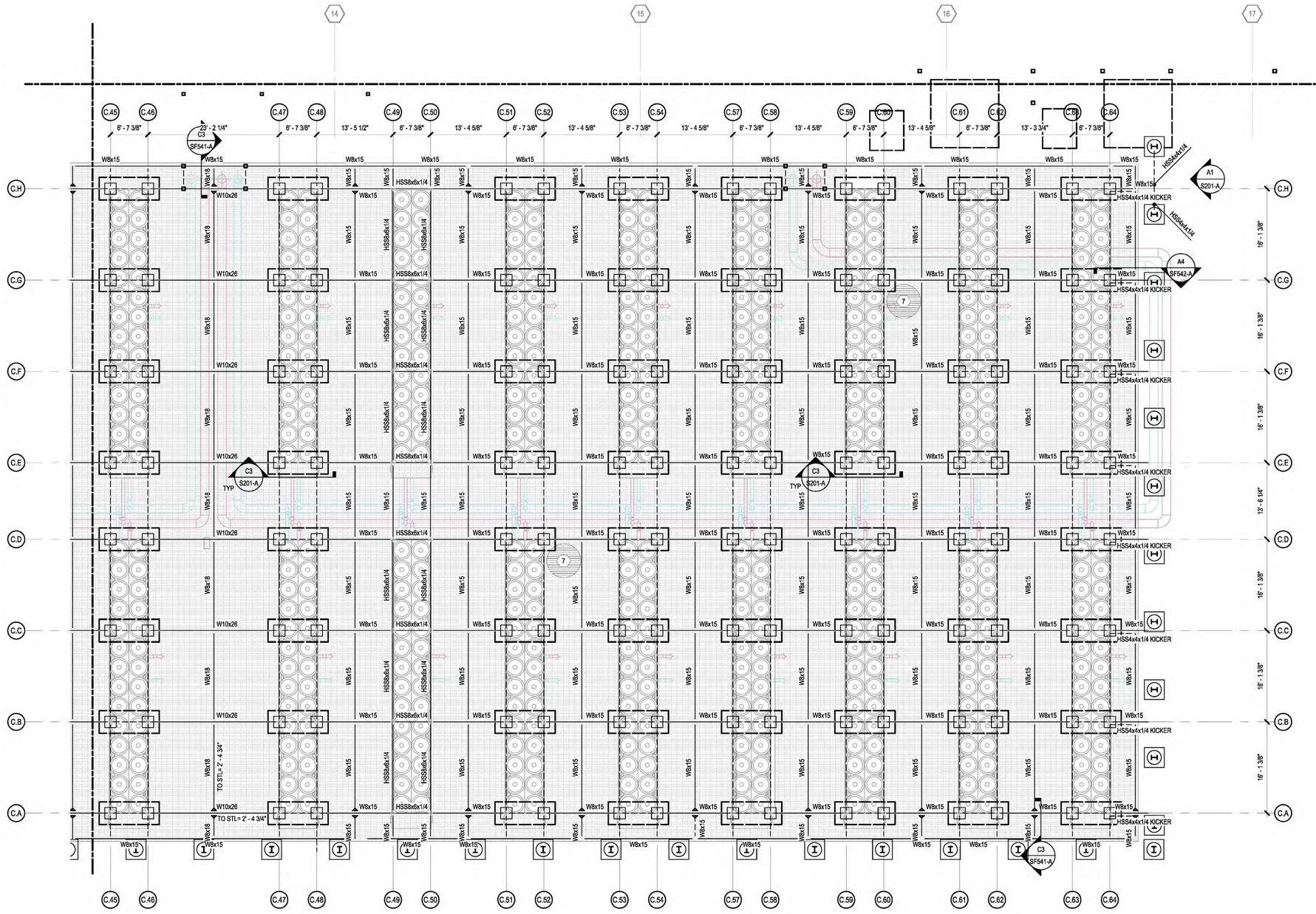
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SHEET TITLE

BUILDING 1 LOW FRAMING PLAN - AREA Q

SHEET NUMBER
BLDG1-SB111Q-A

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BUILDING 1 LOW FRAMING PLAN - AREA R

SCALE: 1/8" = 1'-0"

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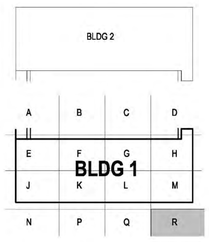
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GENERAL SHEET NOTES

SHEET KEYNOTE

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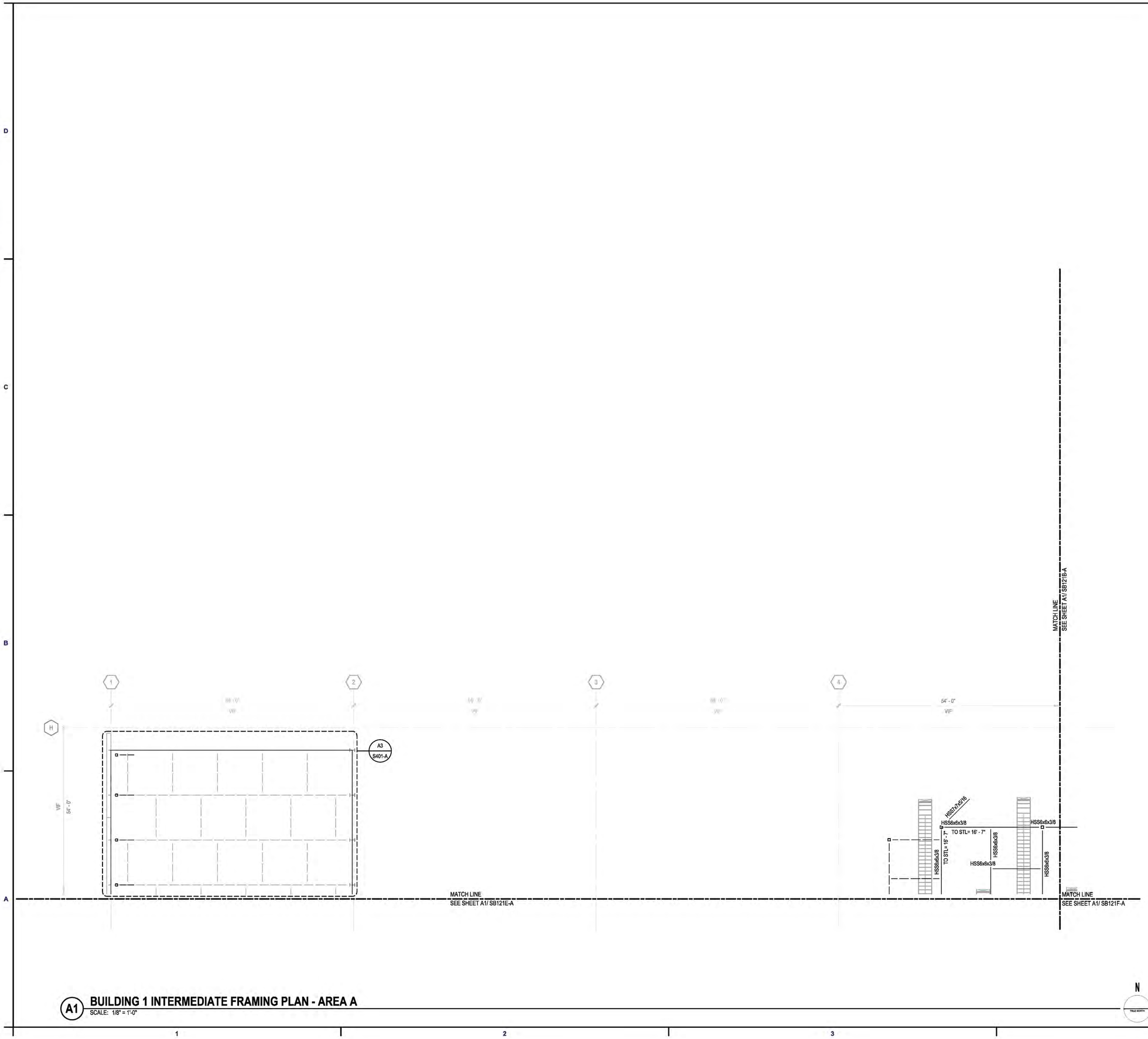
SHEET TITLE

BUILDING 1 LOW FRAMING PLAN - AREA R

SHEET NUMBER

BLDG1-SB111R-A

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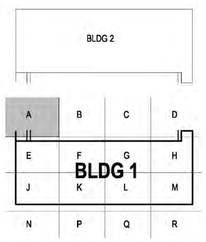
A1 **BUILDING 1 INTERMEDIATE FRAMING PLAN - AREA A**
SCALE: 1/8" = 1'-0"

GENERAL SHEET NOTES

SHEET KEYNOTE

1. PIPE SUPPORT FRAME DESIGNED FOR MAXIMUM APPLIED DL OF 202 PLF PER PIPE. SEE D3 / SF542-A FOR ATTACHMENTS AND FRAME CONNECTIONS.
2. MEZZANINE FLOOR FRAMING HAS BEEN DESIGNED FOR A MAXIMUM UNREDUCED LIVE LOAD OF 250 PSF.
3. ELECTRICAL EQUIPMENT SEE ELECTRICAL DRAWINGS FOR EXACT LOCATION, SIZE AND QUANTITY OF CABLE RUNS. MAXIMUM EQUIPMENT WEIGHT OF 115 LB/FT. SUPPORT BY OTHERS.
4. PIPING EQUIPMENT SEE MECHANICAL DRAWINGS FOR EXACT LOCATION, SIZE AND QUANTITY OF PIPES. MAXIMUM EQUIPMENT WEIGHT OF
<10" DIA IS 75 LB/FT PER PIPE
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14" DIA IS 122 LB/FT PER PIPE
16" DIA IS 160 LB/FT PER PIPE
18" DIA IS 202 LB/FT PER PIPE
SUPPORT OF PIPES IN THE DATA HALL BY OTHERS.
5. ELECTRICAL EQUIPMENT SEE ELECTRICAL DRAWINGS FOR EXACT LOCATION, SIZE AND QUANTITY OF CABLE RUNS. MAXIMUM EQUIPMENT WEIGHT OF 200 LB/FT. SUPPORT BY OTHERS.
6. CABLE TRAY SEE ELECTRICAL DRAWINGS FOR EXACT LOCATION, SIZE, AND QUANTITY. SUPPORT STEEL DESIGNED FOR A MAXIMUM DL OF 200 LBS/FT. VERIFY LOADS AND ALERT EOR IF LOADS EXCEED THIS LIMIT PRIOR TO PLACEMENT.
7. WELDED SERRATED STEEL BAR GRATING SHALL CONSIST OF 2"x3/16" BEARING BARS AT 1 3/16" ON CENTER AND CROSS BARS AT 4" ON CENTER. FASTENING OF STEEL GRATING SHALL BE MADE USING SADDLE CLIPS WITH SELF DRILLING FASTENERS. THE NUMBER AND SPACING OF FASTENERS SHALL BE AS RECOMMENDED BY THE GRATING MANUFACTURER. CUT AND FIT THE GRATING AROUND ALL ELEMENTS PROTRUDING THROUGH THE GRATING
8. STEEL LADDER SEE DEFERRED DESIGN CRITERIA ON S-001.
9. STEEL SUPPLIER SHALL PROVIDE GUARDRAIL THAT MEETS ALL OSHA AND CODE REQUIREMENTS; SEE C1 / SB512-AXX FOR MORE INFORMATION
10. LL4x4x3/8 DIAPHRAGM BRACING AT DASHED LINES.
11. REFER TO DETAILS D1 / SB512-AXX& B4 / SB513-AXXOR HORIZONTAL SLIP CONNECTION AS REQUIRED AT THE INDICATED COLUMN LINE.
12. PROVIDE CAP PL AT TOP OF ALL WF COLUMNS PER DETAIL C4 / SB512-AXX
13. PROVIDE SUPPORT FOR CABLE TRAYS AT EXISTING CONC. WALL PER DETAIL A1 / SF543-A

KEYPLAN



Salas O'Brien
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Seattle, TN 37204

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PROJECT SUNSHINE

BUILDING 1

810 PACE RD.
AUBURNDALE, FL 33823

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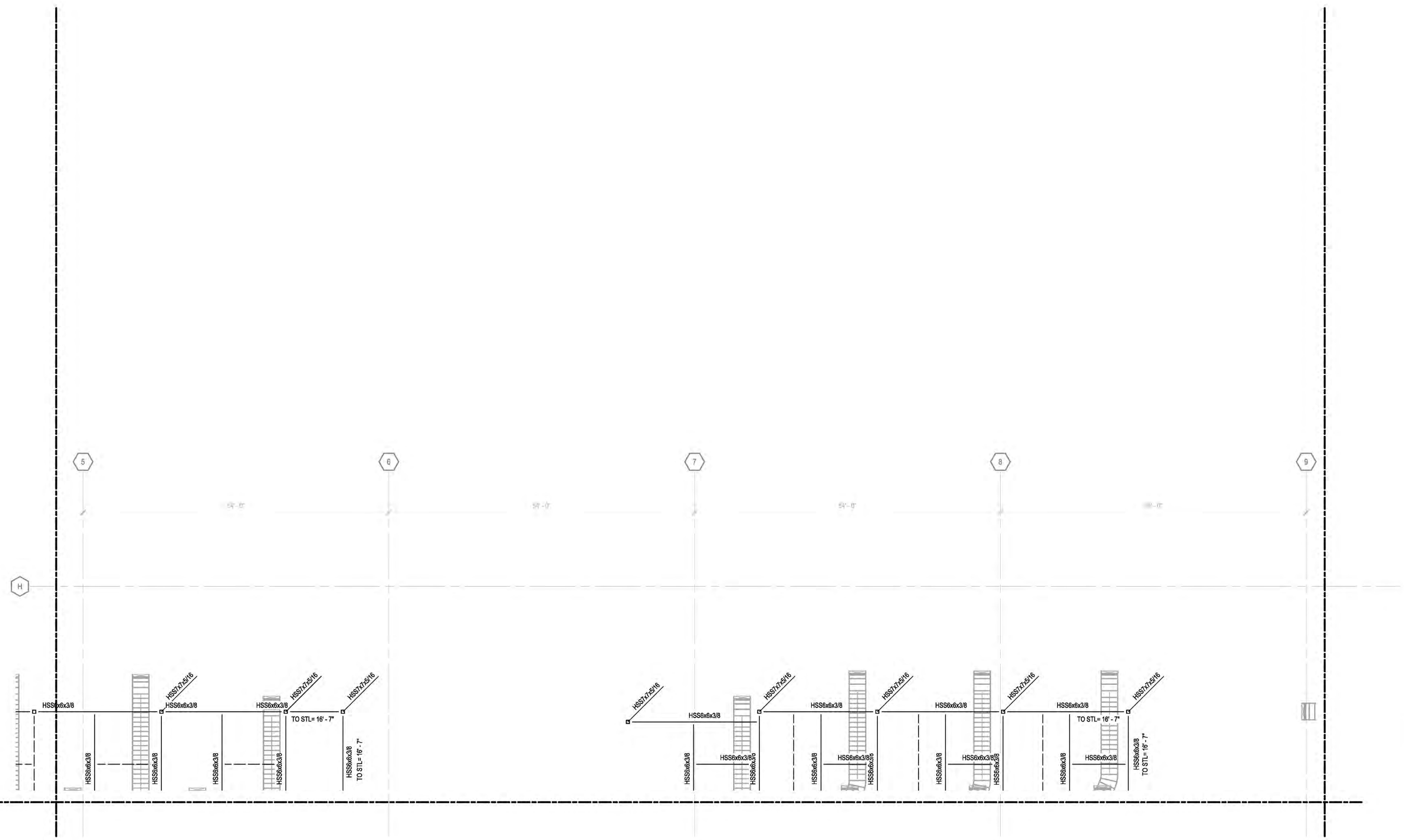
SHEET TITLE

BUILDING 1
INTERMEDIATE
FRAMING PLAN -
AREA A

SHEET NUMBER
BLDG1-SB121A-A

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9/21/2026 10:30:01 PM Autodesk Docs://Auburndale, FL/Auburndale-Struct-Building 1-RVT2025.rvt



A1 **BUILDING 1 INTERMEDIATE FRAMING PLAN - AREA B**

SCALE: 1/8" = 1'-0"

N

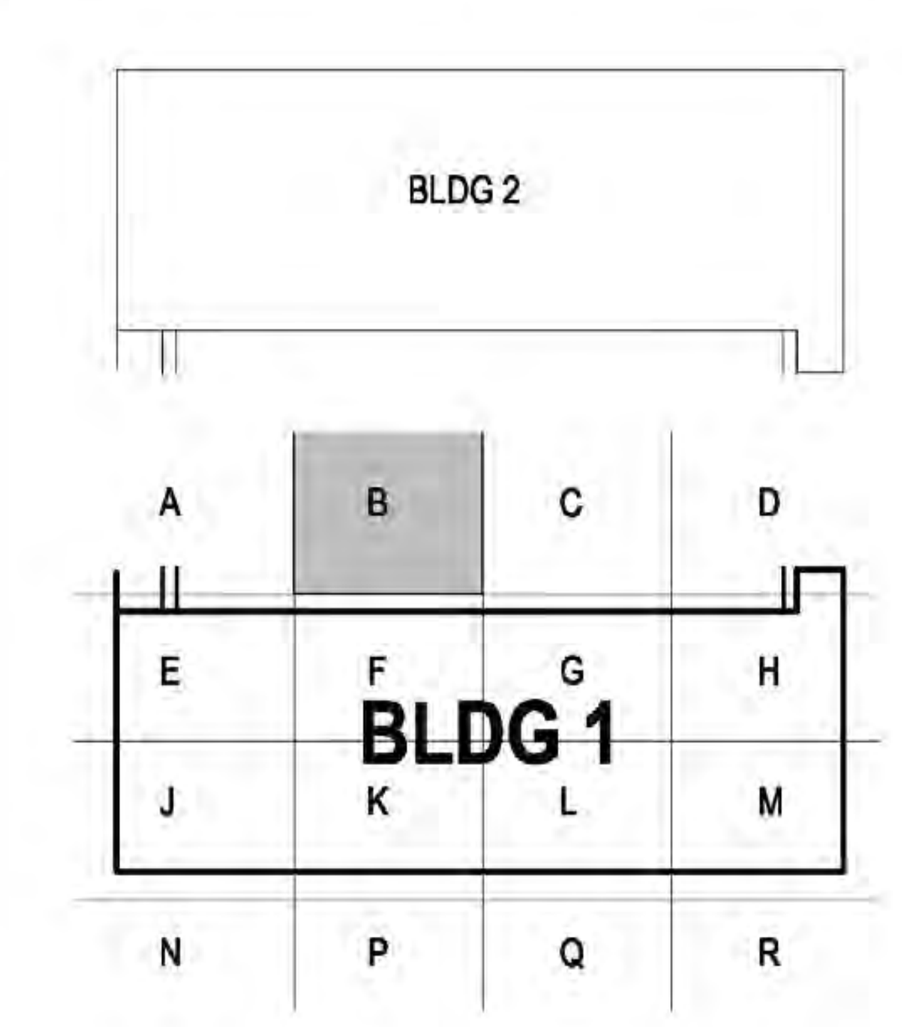
TRUE NORTH

GENERAL SHEET NOTES

SHEET KEYNOTE

1. PIPE SUPPORT FRAME DESIGNED FOR MAXIMUM APPLIED DL OF 202 PLF PER PIPE. SEE D3 / SF542-A FOR ATTACHMENTS AND FRAME CONNECTIONS.
2. MEZZANINE FLOOR FRAMING HAS BEEN DESIGNED FOR A MAXIMUM UNREDUCED LIVE LOAD OF 250 PSF.
3. ELECTRICAL EQUIPMENT SEE ELECTRICAL DRAWINGS FOR EXACT LOCATION, SIZE AND QUANTITY OF CABLE RUNS. MAXIMUM EQUIPMENT WEIGHT OF 115 LB/FT. SUPPORT BY OTHERS.
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9. STEEL SUPPLIER SHALL PROVIDE GUARDRAIL THAT MEETS ALL OSHA AND CODE REQUIREMENTS; SEE C1 / SB512-AXX FOR MORE INFORMATION
10. LL4x4x3/8 DIAPHRAGM BRACING AT DASHED LINES.
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12. PROVIDE CAP PL AT TOP OF ALL WF COLUMNS PER DETAIL C4 / SB512-AXX
13. PROVIDE SUPPORT FOR CABLE TRAYS AT EXISTING CONC. WALL PER DETAIL A1 / SF543-A

KEYPLAN



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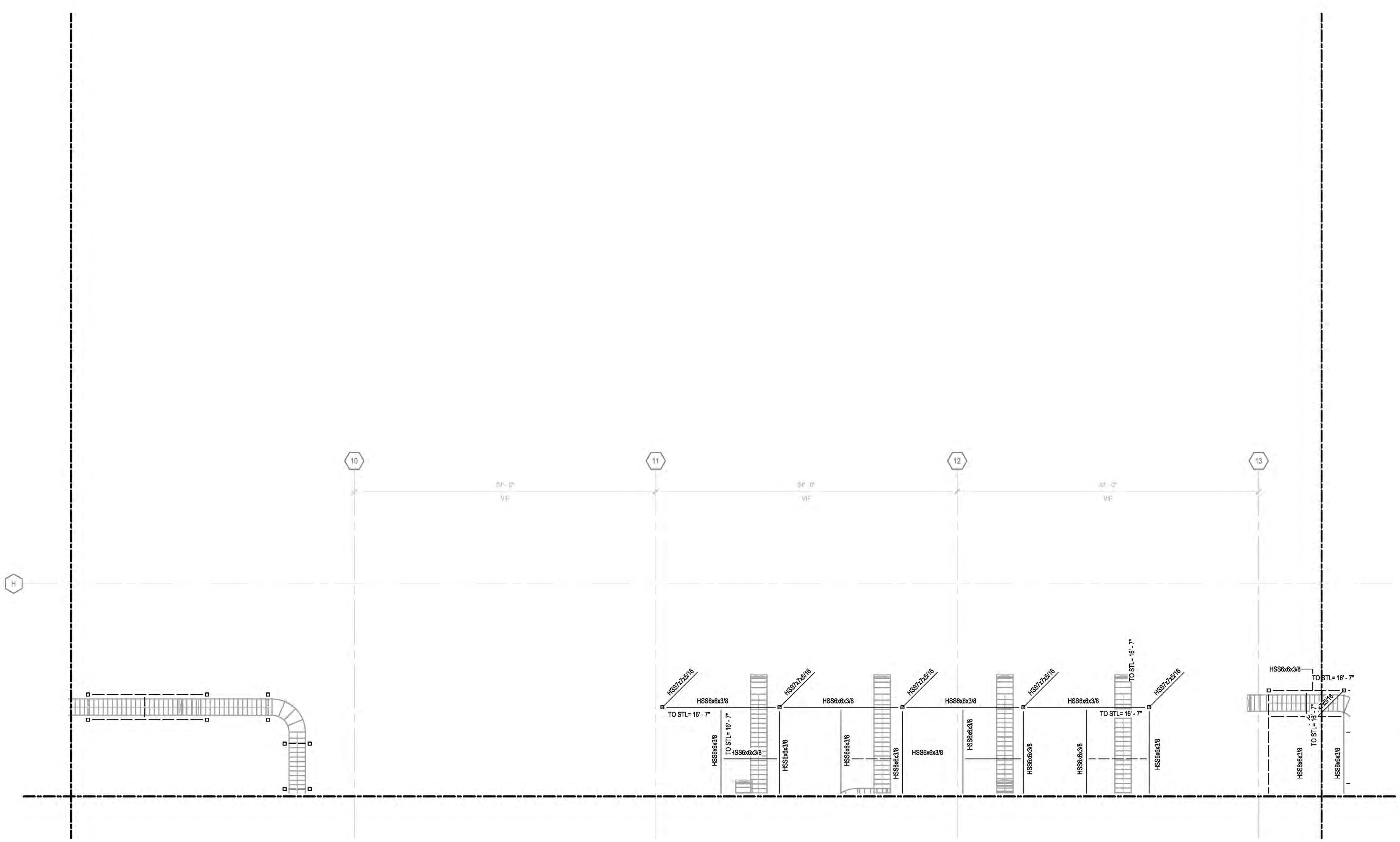
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SHEET TITLE

BUILDING 1 INTERMEDIATE FRAMING PLAN - AREA B

SHEET NUMBER
BLDG1-SB121B-A



A1 BUILDING 1 INTERMEDIATE FRAMING PLAN - AREA C

SCALE: 1/8" = 1'-0"

N

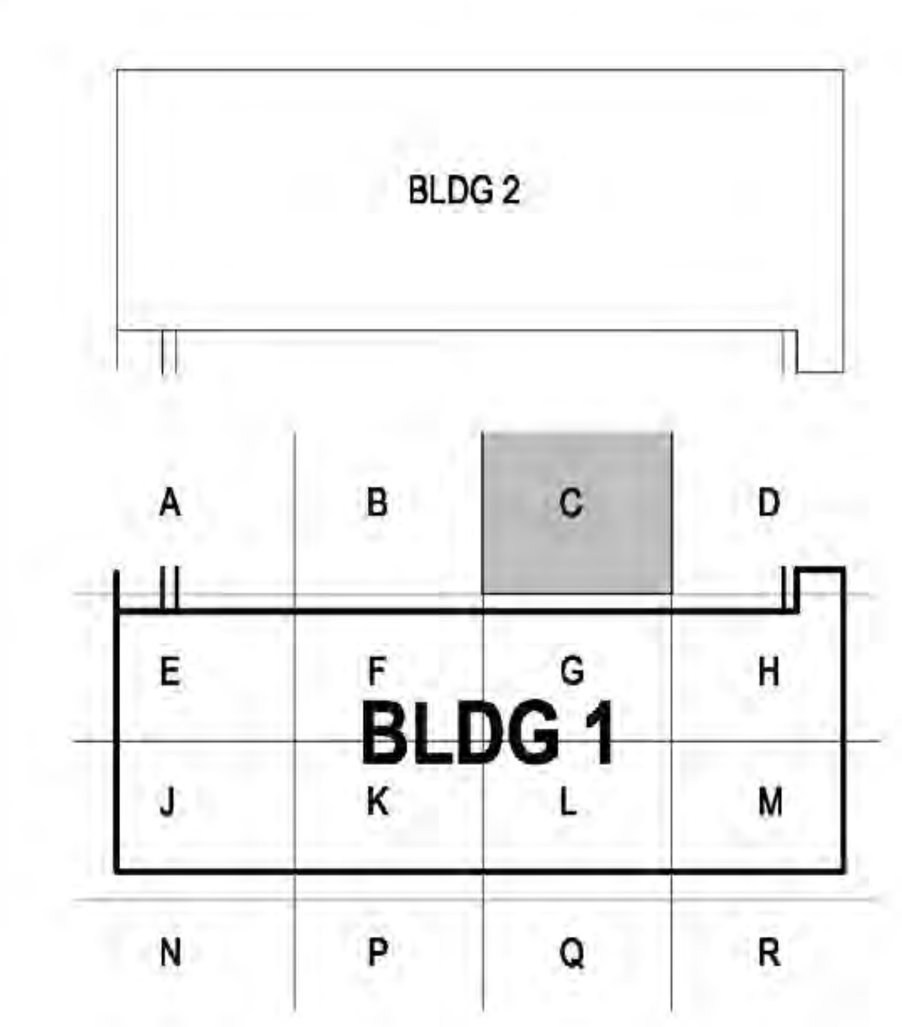
TRUE NORTH

GENERAL SHEET NOTES

SHEET KEYNOTE

1. PIPE SUPPORT FRAME DESIGNED FOR MAXIMUM APPLIED DL OF 202 PLF PER PIPE. SEE D3 / SF542-A FOR ATTACHMENTS AND FRAME CONNECTIONS.
2. MEZZANINE FLOOR FRAMING HAS BEEN DESIGNED FOR A MAXIMUM UNREDUCED LIVE LOAD OF 250 PSF.
3. ELECTRICAL EQUIPMENT SEE ELECTRICAL DRAWINGS FOR EXACT LOCATION, SIZE AND QUANTITY OF CABLE RUNS. MAXIMUM EQUIPMENT WEIGHT OF 115 LB/FT. SUPPORT BY OTHERS.
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KEYPLAN



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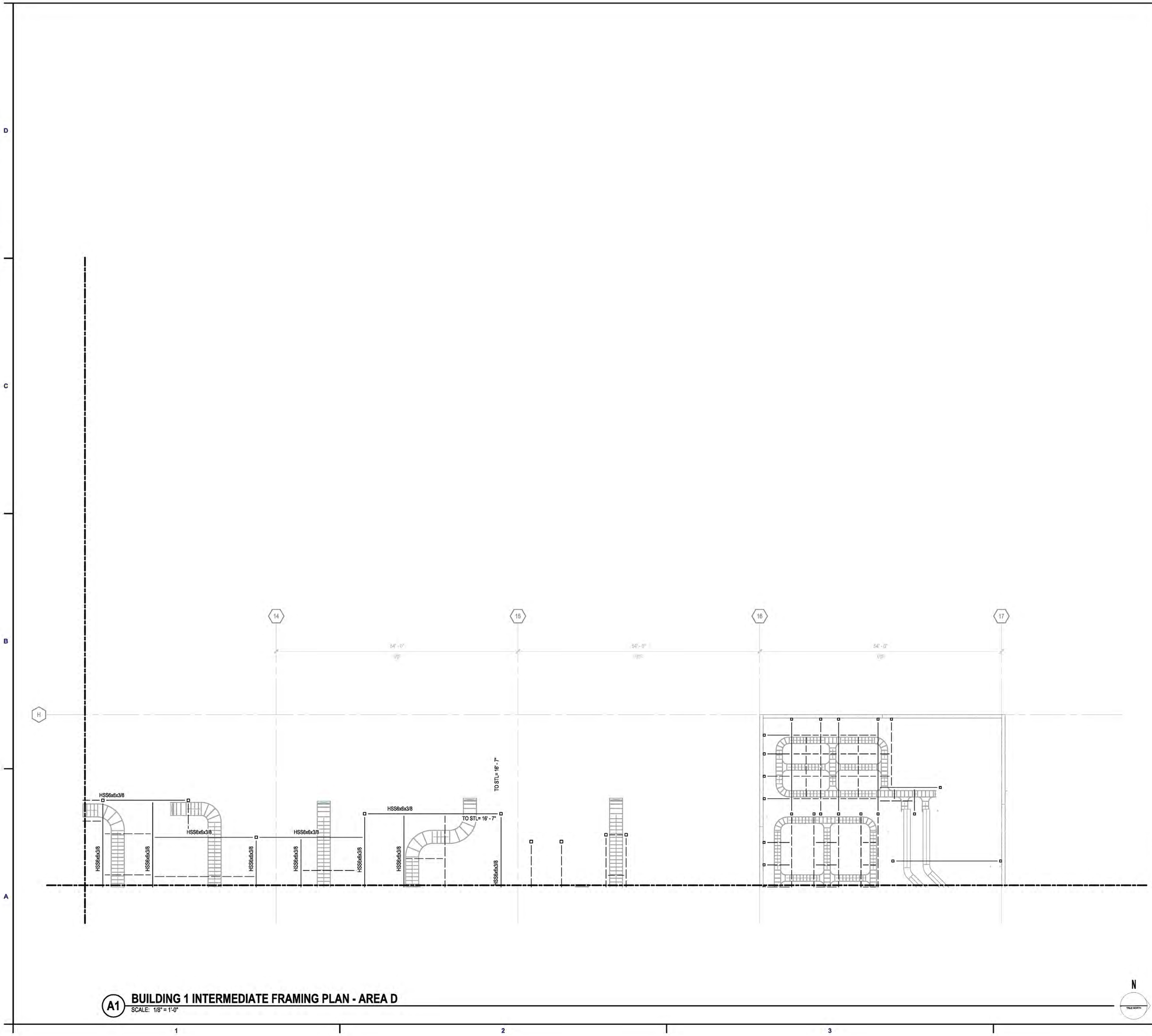
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SHEET TITLE

BUILDING 1 INTERMEDIATE FRAMING PLAN - AREA C

SHEET NUMBER

BLDG1-SB121C-A



A1 **BUILDING 1 INTERMEDIATE FRAMING PLAN - AREA D**

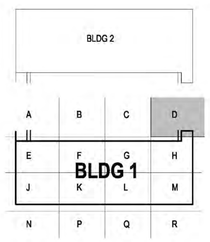
SCALE: 1/8" = 1'-0"

GENERAL SHEET NOTES

SHEET KEYNOTE

1. PIPE SUPPORT FRAME DESIGNED FOR MAXIMUM APPLIED DL OF 202 PLF PER PIPE. SEE D3 / SF542-A FOR ATTACHMENTS AND FRAME CONNECTIONS.
2. MEZZANINE FLOOR FRAMING HAS BEEN DESIGNED FOR A MAXIMUM UNREDUCED LIVE LOAD OF 250 PSF.
3. ELECTRICAL EQUIPMENT SEE ELECTRICAL DRAWINGS FOR EXACT LOCATION, SIZE AND QUANTITY OF CABLE RUNS. MAXIMUM EQUIPMENT WEIGHT OF 115 LB/FT. SUPPORT BY OTHERS.
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11. REFER TO DETAILS D1 / SB512-AXX& B4 / SB513-AXXOR HORIZONTAL SLIP CONNECTION AS REQUIRED AT THE INDICATED COLUMN LINE.
12. PROVIDE CAP PL AT TOP OF ALL WF COLUMNS PER DETAIL C4 / SB512-AXX
13. PROVIDE SUPPORT FOR CABLE TRAYS AT EXISTING CONC. WALL PER DETAIL A1 / SF543-A

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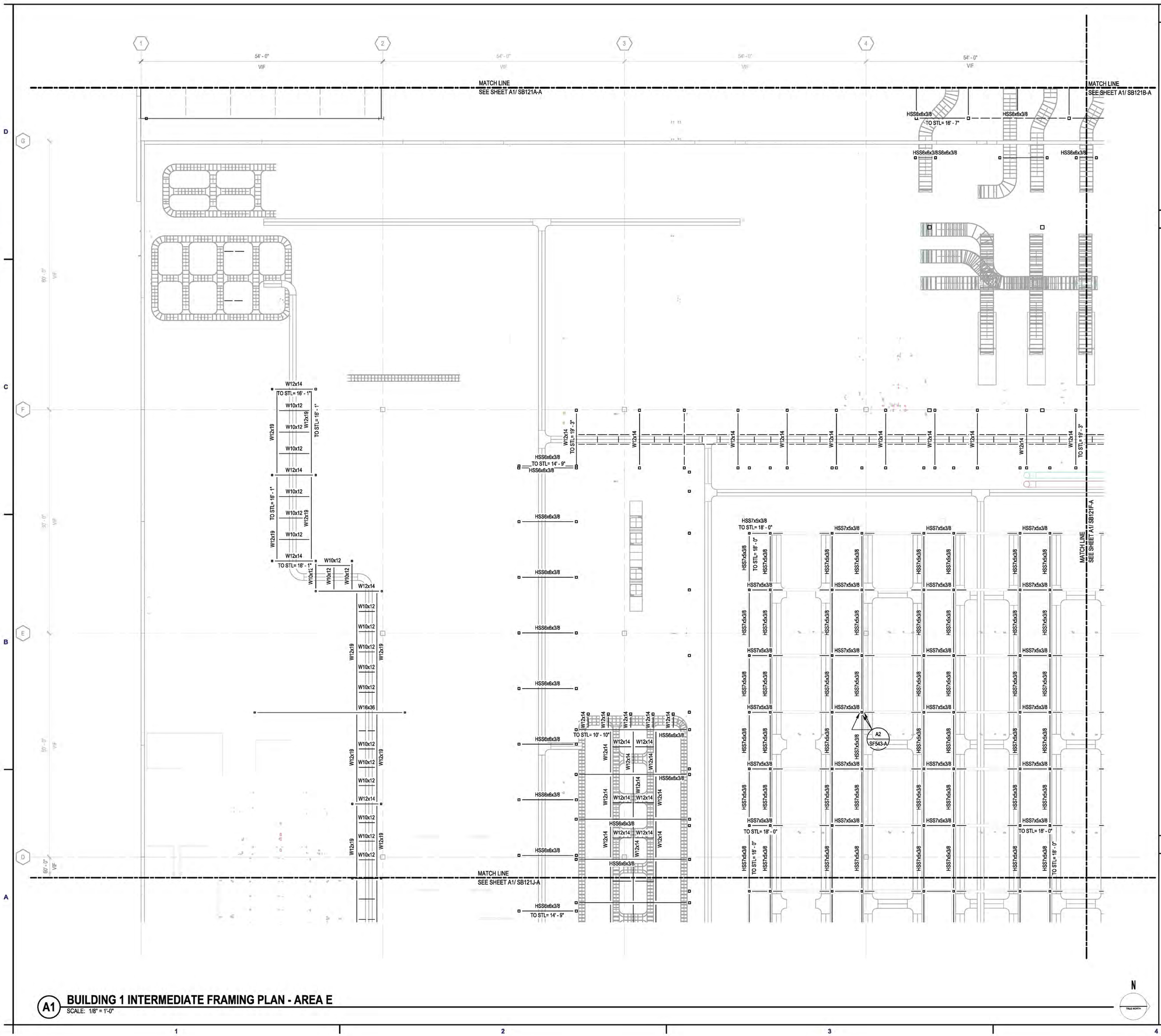
SHEET TITLE

BUILDING 1
INTERMEDIATE
FRAMING PLAN -
AREA D

SHEET NUMBER

BLDG1-SB121D-A

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A1 BUILDING 1 INTERMEDIATE FRAMING PLAN - AREA E

SCALE: 1/8" = 1'-0"

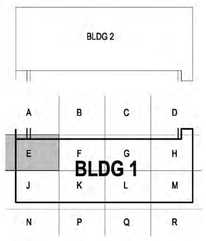
N
TRUE NORTH

GENERAL SHEET NOTES

SHEET KEYNOTE

1. PIPE SUPPORT FRAME DESIGNED FOR MAXIMUM APPLIED DL OF 202 PLF PER PIPE. SEE D3 / SF542-A FOR ATTACHMENTS AND FRAME CONNECTIONS.
2. MEZZANINE FLOOR FRAMING HAS BEEN DESIGNED FOR A MAXIMUM UNREDUCED LIVE LOAD OF 250 PSF.
3. ELECTRICAL EQUIPMENT SEE ELECTRICAL DRAWINGS FOR EXACT LOCATION, SIZE AND QUANTITY OF CABLE RUNS. MAXIMUM EQUIPMENT WEIGHT OF 115 LB/FT, SUPPORT BY OTHERS.
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SHEET TITLE

BUILDING 1
INTERMEDIATE
FRAMING PLAN -
AREA E

SHEET NUMBER

BLDG1-SB121E-A

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A1 **BUILDING 1 FRAMING PLAN - AREA E**

SCALE: 1/8" = 1'-0"

N

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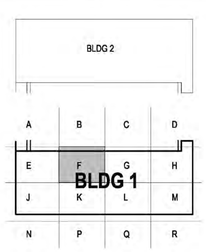
1 2 3 4

GENERAL SHEET NOTES

SHEET KEYNOTE

1. PIPE SUPPORT FRAME DESIGNED FOR MAXIMUM APPLIED DL OF 202 PLF PER PIPE. SEE D3 / SF542-A FOR ATTACHMENTS AND FRAME CONNECTIONS.
2. MEZZANINE FLOOR FRAMING HAS BEEN DESIGNED FOR A MAXIMUM UNREDUCED LIVE LOAD OF 250 PSF.
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09/21/2026

NUCLEI

PROJECT SUNSHINE

BUILDING 1

810 PACE RD,
AUBURNDALE, FL 33823

ISSUE DATE	DESCRIPTION
09/21/2026	REVISED FIT-UP IFP

Δ	DESCRIPTION	DATE

ISSUE:

PROJ NO
2540-01309

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SHEET TITLE

BUILDING 1
INTERMEDIATE
FRAMING PLAN -
AREA F

SHEET NUMBER

BLDG1-SB121F-A

Autodesk Docs://Auburndale, FL/Auburndale-Struct-Building 1-RVT2025.rvt
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A1 BUILDING 1 INTERMEDIATE FRAMING PLAN - AREA G

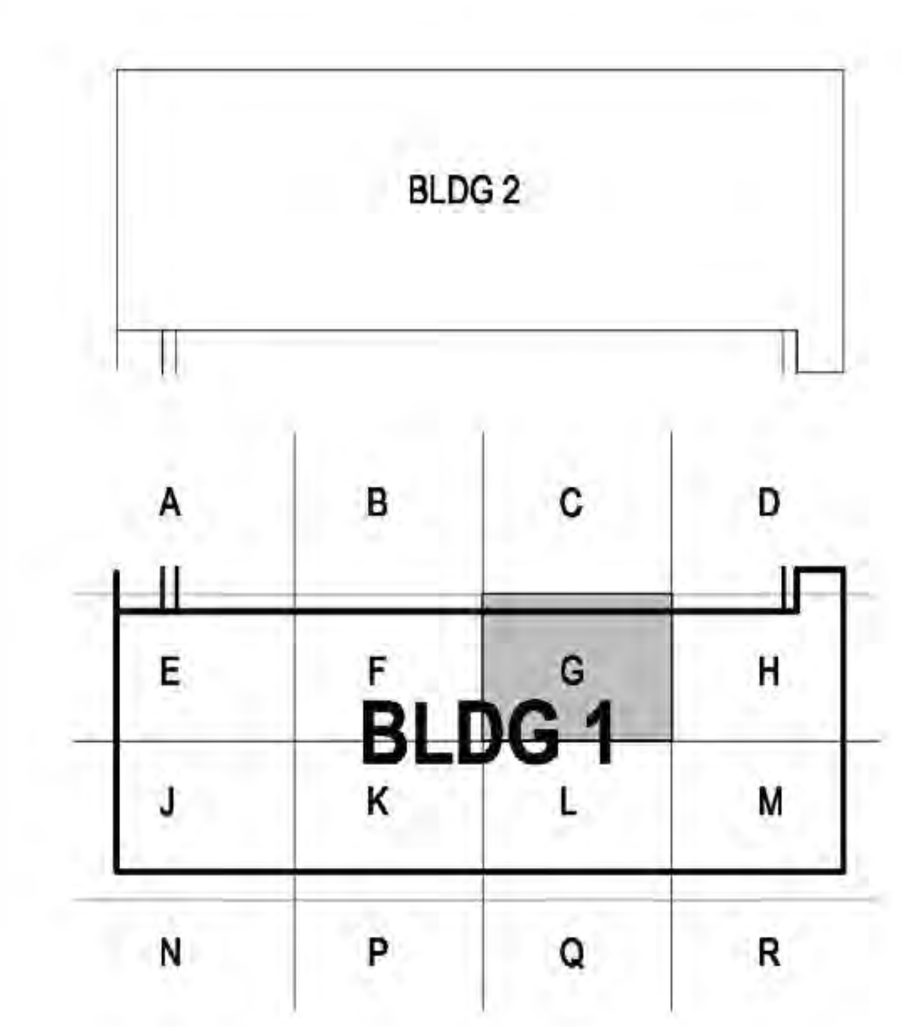
SCALE: 1/8" = 1'-0"

GENERAL SHEET NOTES

SHEET KEYNOTE

1. PIPE SUPPORT FRAME DESIGNED FOR MAXIMUM APPLIED DL OF 202 PLF PER PIPE. SEE D3 / SF542-A FOR ATTACHMENTS AND FRAME CONNECTIONS.
2. MEZZANINE FLOOR FRAMING HAS BEEN DESIGNED FOR A MAXIMUM UNREDUCED LIVE LOAD OF 250 PSF.
3. ELECTRICAL EQUIPMENT SEE ELECTRICAL DRAWINGS FOR EXACT LOCATION, SIZE AND QUANTITY OF CABLE RUNS. MAXIMUM EQUIPMENT WEIGHT OF 115 LB/FT. SUPPORT BY OTHERS.
4. PIPING EQUIPMENT SEE MECHANICAL DRAWINGS FOR EXACT LOCATION, SIZE AND QUANTITY OF PIPES. MAXIMUM EQUIPMENT WEIGHT OF
   <10" DIA IS 75 LB/FT PER PIPE
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   SUPPORT OF PIPES IN THE DATA HALL BY OTHERS.
5. ELECTRICAL EQUIPMENT SEE ELECTRICAL DRAWINGS FOR EXACT LOCATION, SIZE AND QUANTITY OF CABLE RUNS. MAXIMUM EQUIPMENT WEIGHT OF 200 LB/FT. SUPPORT BY OTHERS.
6. CABLE TRAY SEE ELECTRICAL DRAWINGS FOR EXACT LOCATION, SIZE, AND QUANTITY. SUPPORT STEEL DESIGNED FOR A MAXIMUM DL OF 200 LBS/FT. VERIFY LOADS AND ALERT EOR IF LOADS EXCEED THIS LIMIT PRIOR TO PLACEMENT.
7. WELDED SERRATED STEEL BAR GRATING SHALL CONSIST OF 2"x3/16" BEARING BARS AT 1 3/16" ON CENTER AND CROSS BARS AT 4" ON CENTER. FASTENING OF STEEL GRATING SHALL BE MADE USING SADDLE CLIPS WITH SELF DRILLING FASTENERS. THE NUMBER AND SPACING OF FASTENERS SHALL BE AS RECOMMENDED BY THE GRATING MANUFACTURER. CUT AND FIT THE GRATING AROUND ALL ELEMENTS PROTRUDING THROUGH THE GRATING
8. STEEL LADDER SEE DEFERRED DESIGN CRITERIA ON S-001.
9. STEEL SUPPLIER SHALL PROVIDE GUARDRAIL THAT MEETS ALL OSHA AND CODE REQUIREMENTS; SEE C1 / SB512-AXX FOR MORE INFORMATION
10. LL4x4x3/8 DIAPHRAGM BRACING AT DASHED LINES.
11. REFER TO DETAILS D1 / SB512-AXX& B4 / SB513-AXXOR HORIZONTAL SLIP CONNECTION AS REQUIRED AT THE INDICATED COLUMN LINE.
12. PROVIDE CAP PL AT TOP OF ALL WF COLUMNS PER DETAIL C4 / SB512-AXX
13. PROVIDE SUPPORT FOR CABLE TRAYS AT EXISTING CONC. WALL PER DETAIL A1 / SF543-A

KEYPLAN



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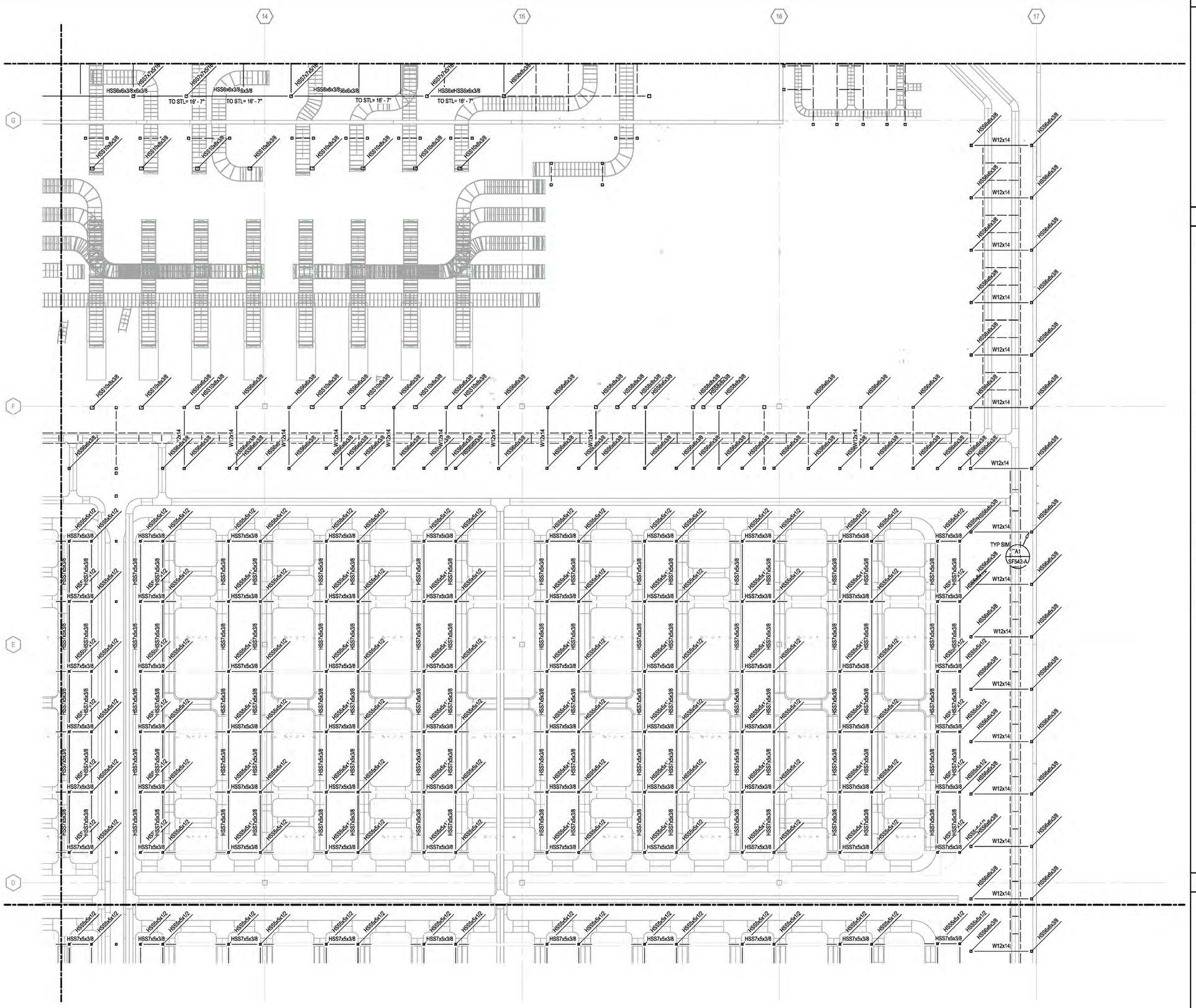
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SHEET TITLE
BUILDING 1 INTERMEDIATE FRAMING PLAN - AREA G

SHEET NUMBER
BLDG1-SB121G-A



A1 BUILDING 1 INTERMEDIATE FRAMING PLAN - AREA H

SCALE: 1/8" = 1'-0"

N

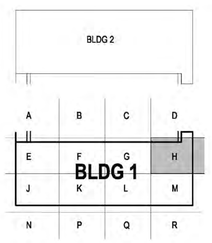
TRUE NORTH

GENERAL SHEET NOTES

SHEET KEYNOTE

1. PIPE SUPPORT FRAME DESIGNED FOR MAXIMUM APPLIED DL OF 202 PLF PER PIPE. SEE D3 / SF542-A FOR ATTACHMENTS AND FRAME CONNECTIONS.
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12. PROVIDE CAP PL AT TOP OF ALL WF COLUMNS PER DETAIL C4 / SB512-AXX
13. PROVIDE SUPPORT FOR CABLE TRAYS AT EXISTING CONC. WALL PER DETAIL A1 / SF543-A

KEYPLAN



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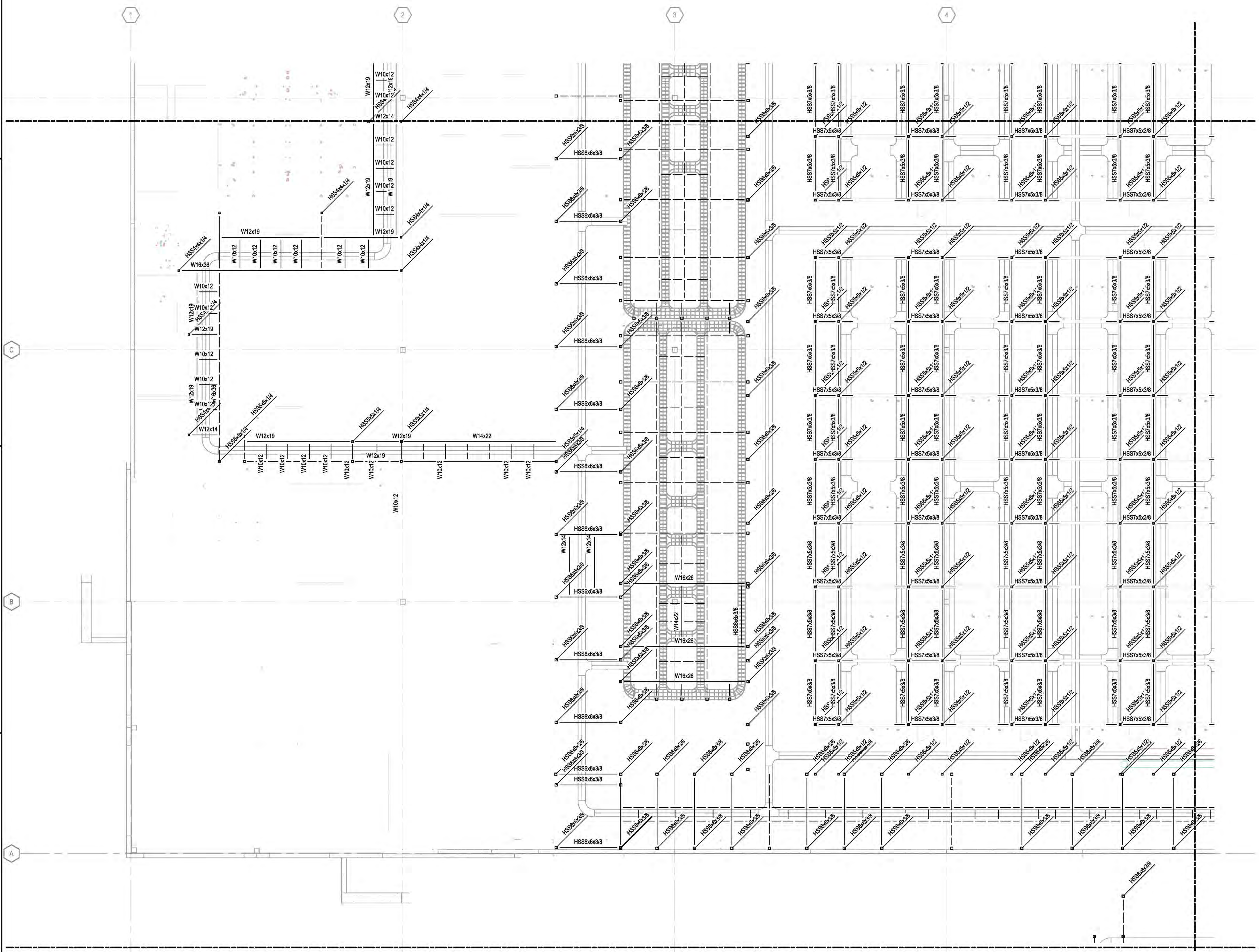
SHEET TITLE

BUILDING 1 INTERMEDIATE FRAMING PLAN - AREA H

SHEET NUMBER

BLDG1-SB121H-A

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A1 BUILDING 1 INTERMEDIATE FRAMING PLAN - AREA J
SCALE: 1/8" = 1'-0"

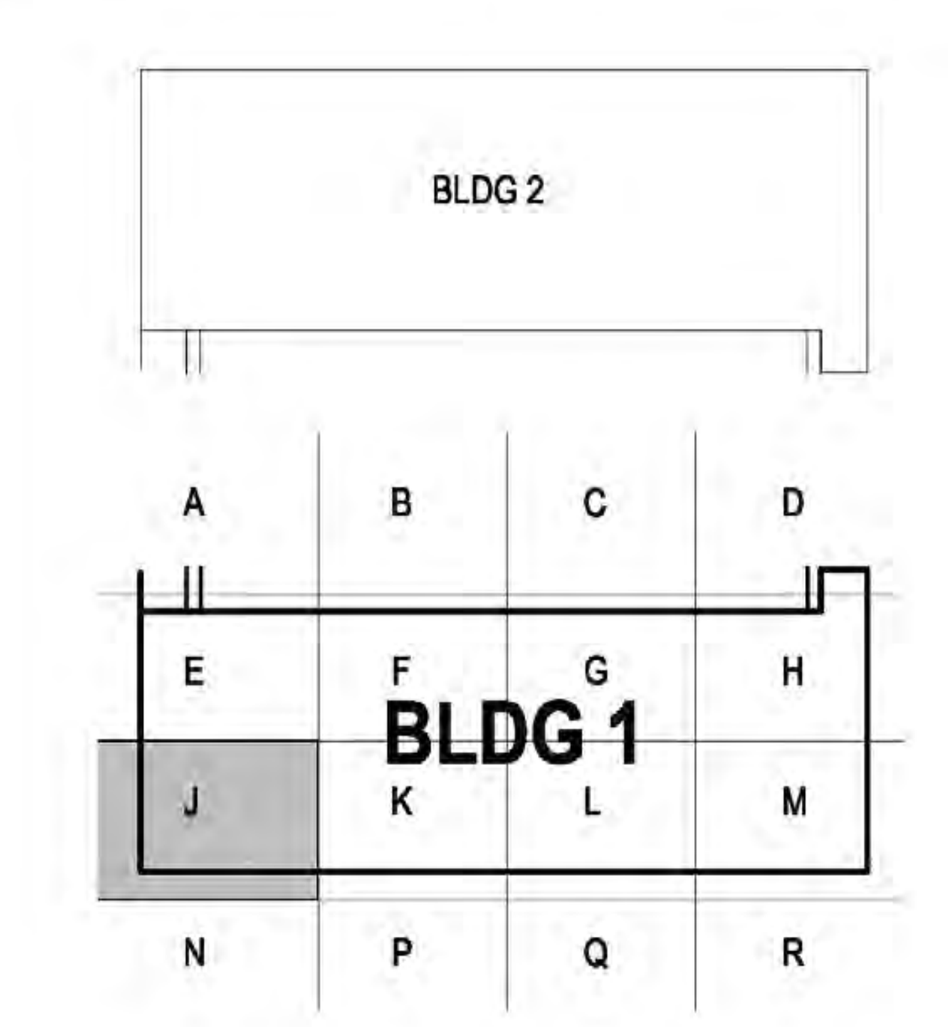
N
TRUE NORTH

GENERAL SHEET NOTES

SHEET KEYNOTE

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KEYPLAN



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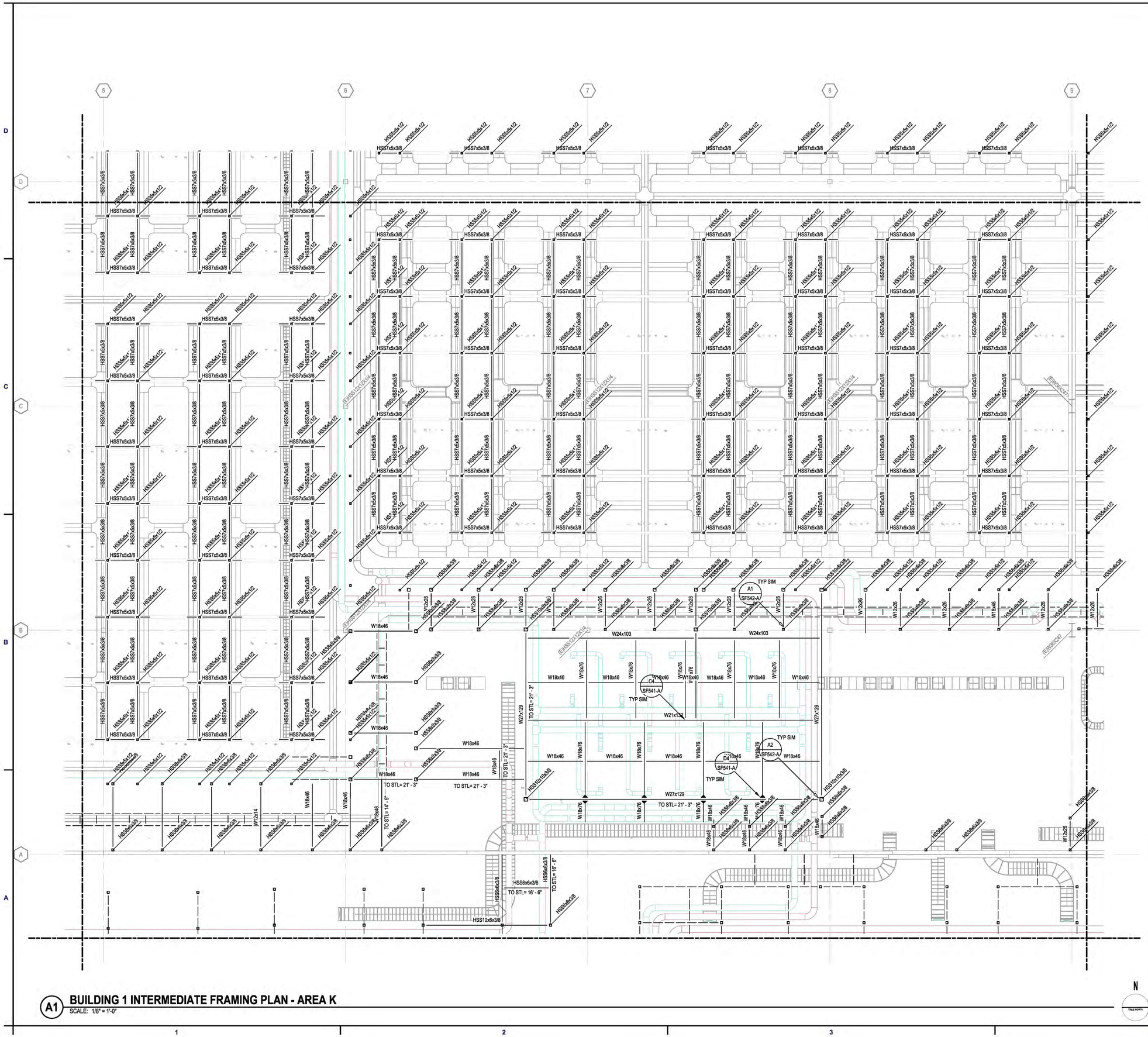
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SHEET TITLE
BUILDING 1 INTERMEDIATE FRAMING PLAN - AREA J

SHEET NUMBER
BLDG1-SB121J-A

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A1 BUILDING 1 INTERMEDIATE FRAMING PLAN - AREA K

SCALE: 1/8" = 1'-0"

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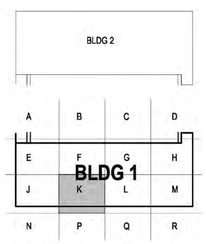
TRUE NORTH

GENERAL SHEET NOTES

SHEET KEYNOTE

1. PIPE SUPPORT FRAME DESIGNED FOR MAXIMUM APPLIED DL OF 202 PLF PER PIPE. SEE D3 / SF542-A FOR ATTACHMENTS AND FRAME CONNECTIONS.
2. MEZZANINE FLOOR FRAMING HAS BEEN DESIGNED FOR A MAXIMUM UNREDUCED LIVE LOAD OF 250 PSF.
3. ELECTRICAL EQUIPMENT SEE ELECTRICAL DRAWINGS FOR EXACT LOCATION, SIZE AND QUANTITY OF CABLE RUNS. MAXIMUM EQUIPMENT WEIGHT OF 115 LB/FT, SUPPORT BY OTHERS.
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KEYPLAN



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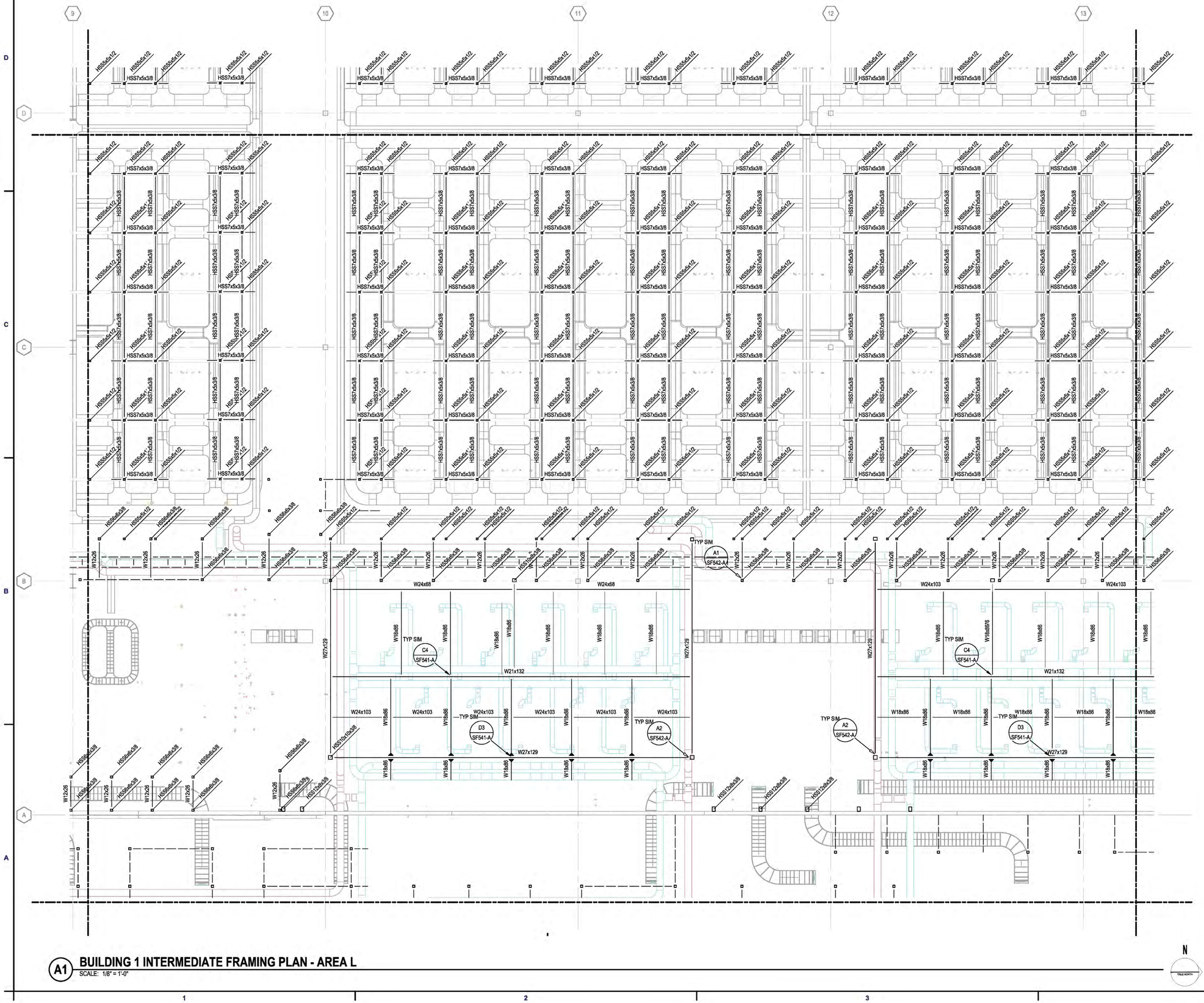
SHEET TITLE

BUILDING 1 INTERMEDIATE FRAMING PLAN - AREA K

SHEET NUMBER

BLDG1-SB121K-A

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A1 BUILDING 1 INTERMEDIATE FRAMING PLAN - AREA L

SCALE: 1/8" = 1'-0"

N

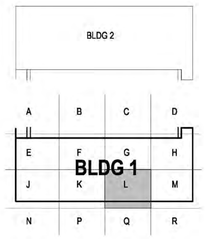
TRUE NORTH

GENERAL SHEET NOTES

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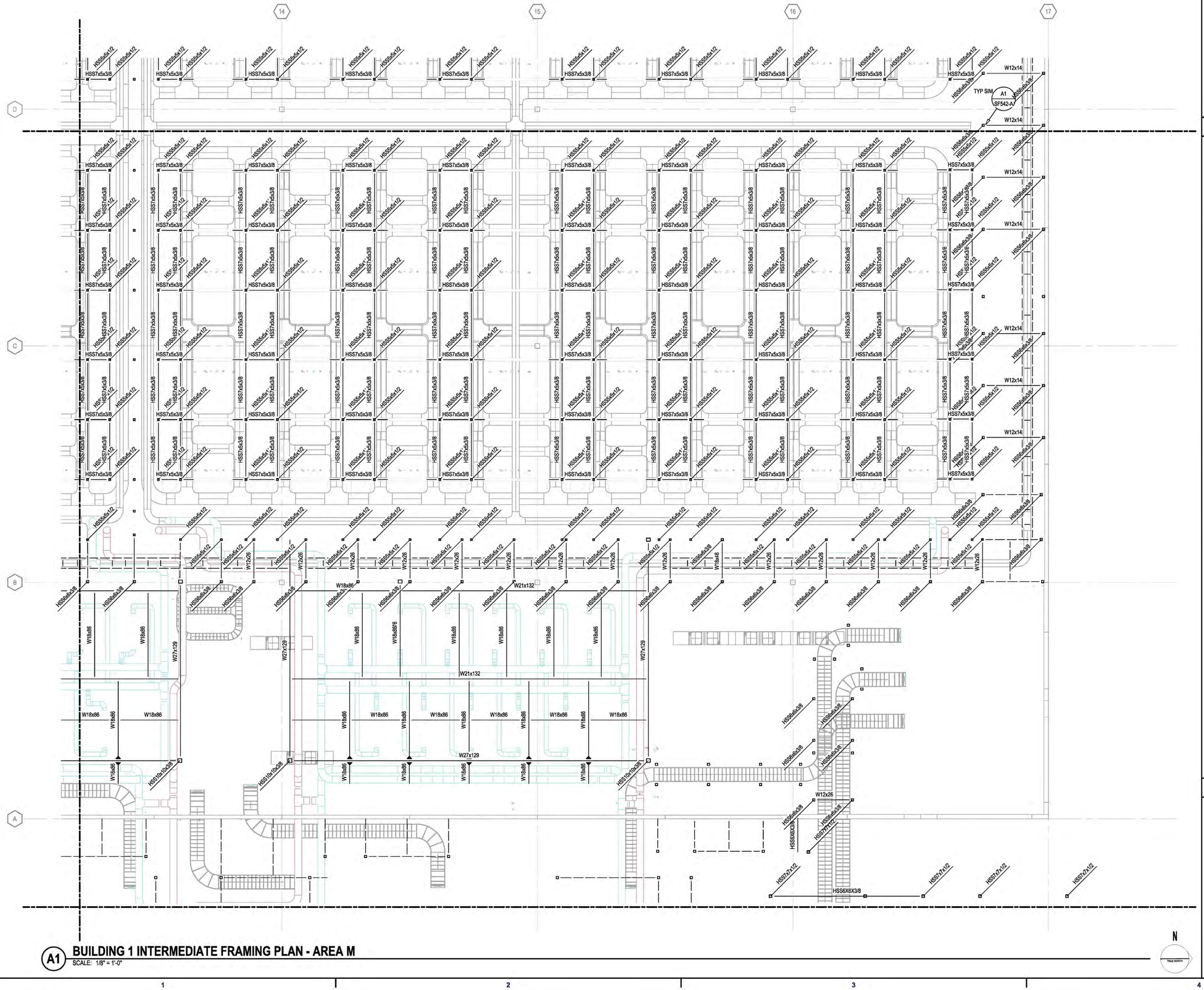
SHEET TITLE

BUILDING 1 INTERMEDIATE FRAMING PLAN - AREA L

SHEET NUMBER

BLDG1-SB121L-A

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A1 BUILDING 1 INTERMEDIATE FRAMING PLAN - AREA M

SCALE: 1/8" = 1'-0"

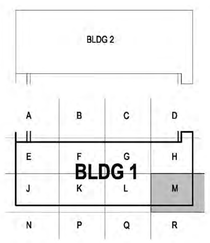
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GENERAL SHEET NOTES

SHEET KEYNOTE

1. PIPE SUPPORT FRAME DESIGNED FOR MAXIMUM APPLIED DL OF 202 PLF PER PIPE. SEE D3 / SF542-A FOR ATTACHMENTS AND FRAME CONNECTIONS.
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   SUPPORT OF PIPES IN THE DATA HALL BY OTHERS.
5. ELECTRICAL EQUIPMENT SEE ELECTRICAL DRAWINGS FOR EXACT LOCATION, SIZE AND QUANTITY OF CABLE RUNS. MAXIMUM EQUIPMENT WEIGHT OF 200 LB/FT. SUPPORT BY OTHERS.
6. CABLE TRAY SEE ELECTRICAL DRAWINGS FOR EXACT LOCATION, SIZE, AND QUANTITY. SUPPORT STEEL DESIGNED FOR A MAXIMUM DL OF 200 LBS/FT. VERIFY LOADS AND ALERT EOR IF LOADS EXCEED THIS LIMIT PRIOR TO PLACEMENT.
7. WELDED SERRATED STEEL BAR GRATING SHALL CONSIST OF 2"x3/16" BEARING BARS AT 1 3/16" ON CENTER AND CROSS BARS AT 4" ON CENTER. FASTENING OF STEEL GRATING SHALL BE MADE USING SADDLE CLIPS WITH SELF DRILLING FASTENERS. THE NUMBER AND SPACING OF FASTENERS SHALL BE AS RECOMMENDED BY THE GRATING MANUFACTURER. CUT AND FIT THE GRATING AROUND ALL ELEMENTS PROTRUDING THROUGH THE GRATING
8. STEEL LADDER SEE DEFERRED DESIGN CRITERIA ON S-001.
9. STEEL SUPPLIER SHALL PROVIDE GUARDRAIL THAT MEETS ALL OSHA AND CODE REQUIREMENTS; SEE C1 / SB512-AXX FOR MORE INFORMATION
10. LL4x4x3/8 DIAPHRAGM BRACING AT DASHED LINES.
11. REFER TO DETAILS D1 / SB512-AXX& B4 / SB513-AXXOR HORIZONTAL SLIP CONNECTION AS REQUIRED AT THE INDICATED COLUMN LINE
12. PROVIDE CAP PL AT TOP OF ALL WF COLUMNS PER DETAIL C4 / SB512-AXX
13. PROVIDE SUPPORT FOR CABLE TRAYS AT EXISTING CONC. WALL PER DETAIL A1 / SF543-A

KEYPLAN



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Seattle, TN 37204

PROFESSIONAL SEAL

NATHAN B. MEINERT LICENSE No. 77919 STATE OF FLORIDA PROFESSIONAL ENGINEER
EXP:02/28/2027
09/21/2026

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PROJECT SUNSHINE

BUILDING 1
810 PACE RD.
AUBURNDALE, FL 33823

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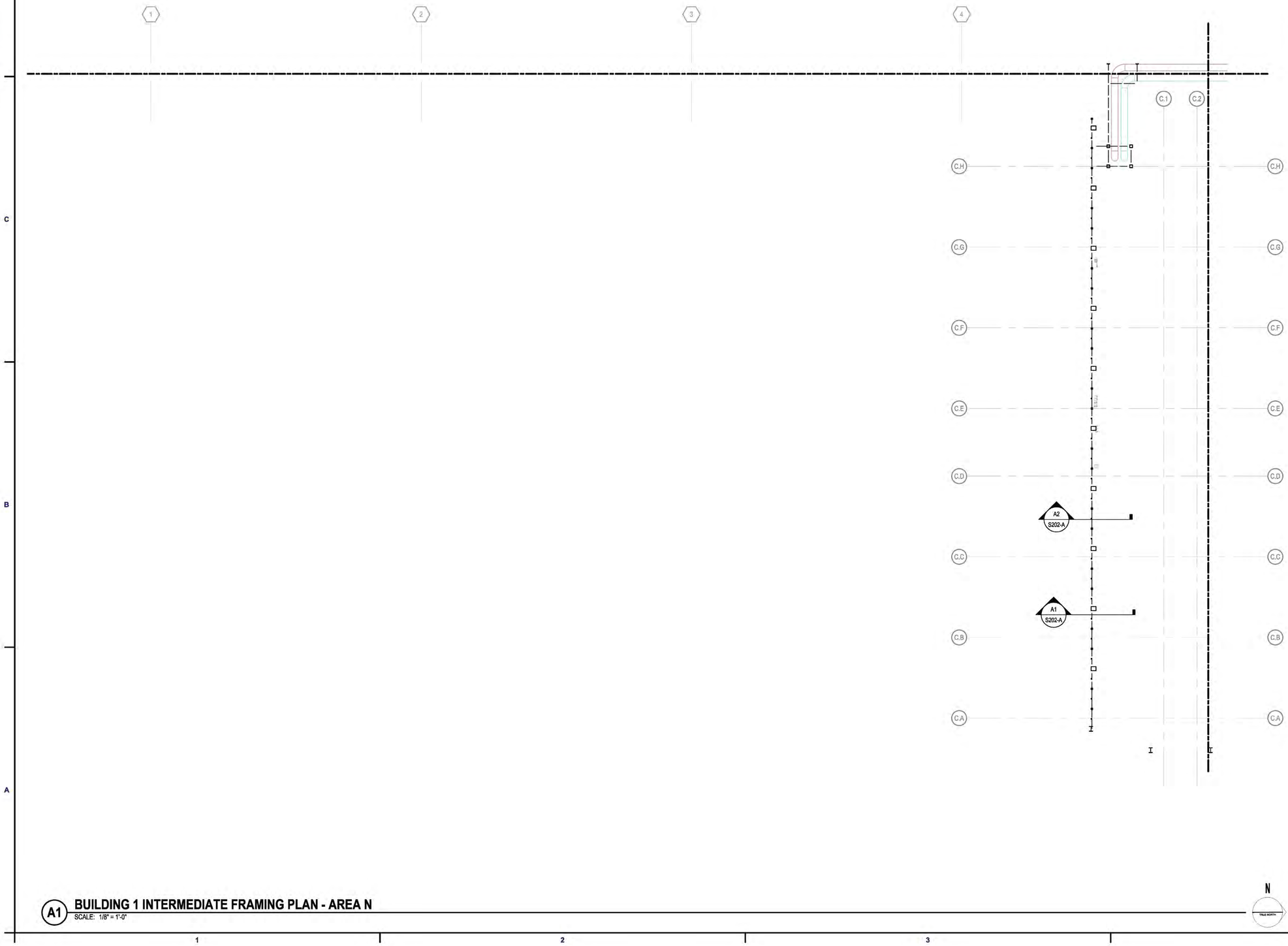
SHEET TITLE

BUILDING 1 INTERMEDIATE FRAMING PLAN - AREA M

SHEET NUMBER

BLDG1-SB121M-A

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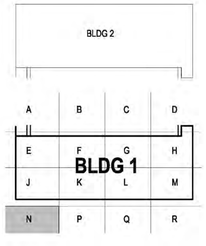


GENERAL SHEET NOTES

SHEET KEYNOTE

1. PIPE SUPPORT FRAME DESIGNED FOR MAXIMUM APPLIED DL OF 202 PLF PER PIPE. SEE D3 / SF542-A FOR ATTACHMENTS AND FRAME CONNECTIONS.
2. MEZZANINE FLOOR FRAMING HAS BEEN DESIGNED FOR A MAXIMUM UNREDUCED LIVE LOAD OF 250 PSF.
3. ELECTRICAL EQUIPMENT SEE ELECTRICAL DRAWINGS FOR EXACT LOCATION, SIZE AND QUANTITY OF CABLE RUNS. MAXIMUM EQUIPMENT WEIGHT OF 115 LB/FT. SUPPORT BY OTHERS.
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8. STEEL LADDER SEE DEFERRED DESIGN CRITERIA ON S-001.
9. STEEL SUPPLIER SHALL PROVIDE GUARDRAIL THAT MEETS ALL OSHA AND CODE REQUIREMENTS; SEE C1 / SB512-AXX FOR MORE INFORMATION
10. LL4x4x3/8 DIAPHRAGM BRACING AT DASHED LINES.
11. REFER TO DETAILS D1 / SB512-AXX& B4 / SB513-AXXOR HORIZONTAL SLIP CONNECTION AS REQUIRED AT THE INDICATED COLUMN LINE.
12. PROVIDE CAP PL AT TOP OF ALL WF COLUMNS PER DETAIL C4 / SB512-AXX
13. PROVIDE SUPPORT FOR CABLE TRAYS AT EXISTING CONC. WALL PER DETAIL A1 / SF543-A

KEYPLAN



A1 **BUILDING 1 INTERMEDIATE FRAMING PLAN - AREA N**
SCALE: 1/8" = 1'-0"

N
TRUE NORTH

Salas O'Brien
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2950 Kraft Drive
Seattle, TN 37204

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BUILDING 1

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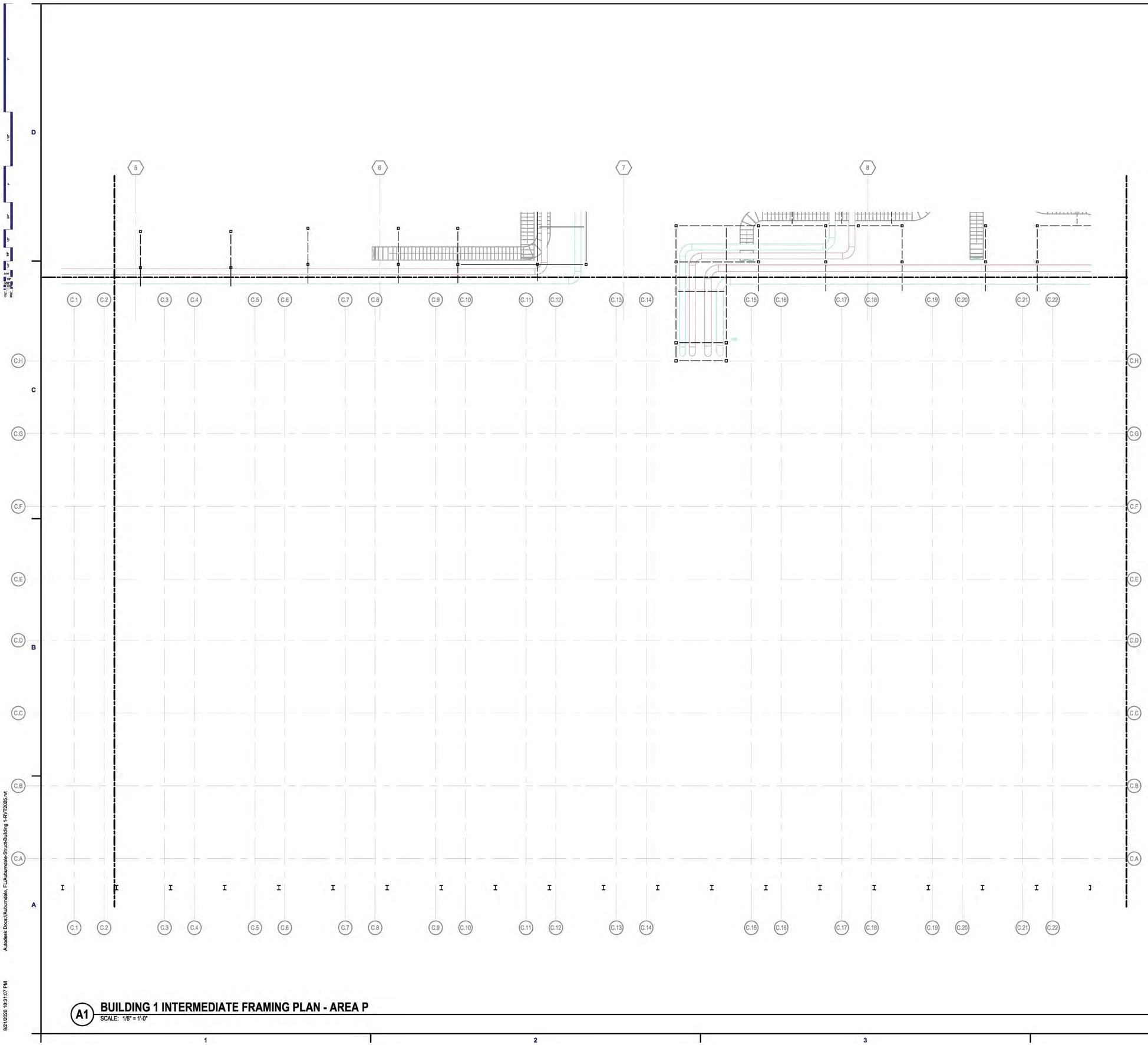
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SHEET TITLE

BUILDING 1 INTERMEDIATE FRAMING PLAN - AREA N

SHEET NUMBER
BLDG1-SB121N-A

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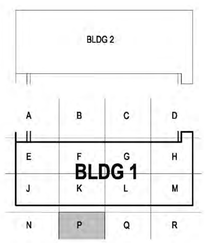


GENERAL SHEET NOTES

SHEET KEYNOTE

1. PIPE SUPPORT FRAME DESIGNED FOR MAXIMUM APPLIED DL OF 202 PLF PER PIPE. SEE D3 / SF542-A FOR ATTACHMENTS AND FRAME CONNECTIONS.
2. MEZZANINE FLOOR FRAMING HAS BEEN DESIGNED FOR A MAXIMUM UNREDUCED LIVE LOAD OF 250 PSF.
3. ELECTRICAL EQUIPMENT SEE ELECTRICAL DRAWINGS FOR EXACT LOCATION, SIZE AND QUANTITY OF CABLE RUNS. MAXIMUM EQUIPMENT WEIGHT OF 115 LB/FT. SUPPORT BY OTHERS.
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12. PROVIDE CAP PL AT TOP OF ALL WF COLUMNS PER DETAIL C4 / SB512-AXX
13. PROVIDE SUPPORT FOR CABLE TRAYS AT EXISTING CONC. WALL PER DETAIL A1 / SF543-A

KEYPLAN



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SHEET TITLE

BUILDING 1 INTERMEDIATE FRAMING PLAN - AREA P

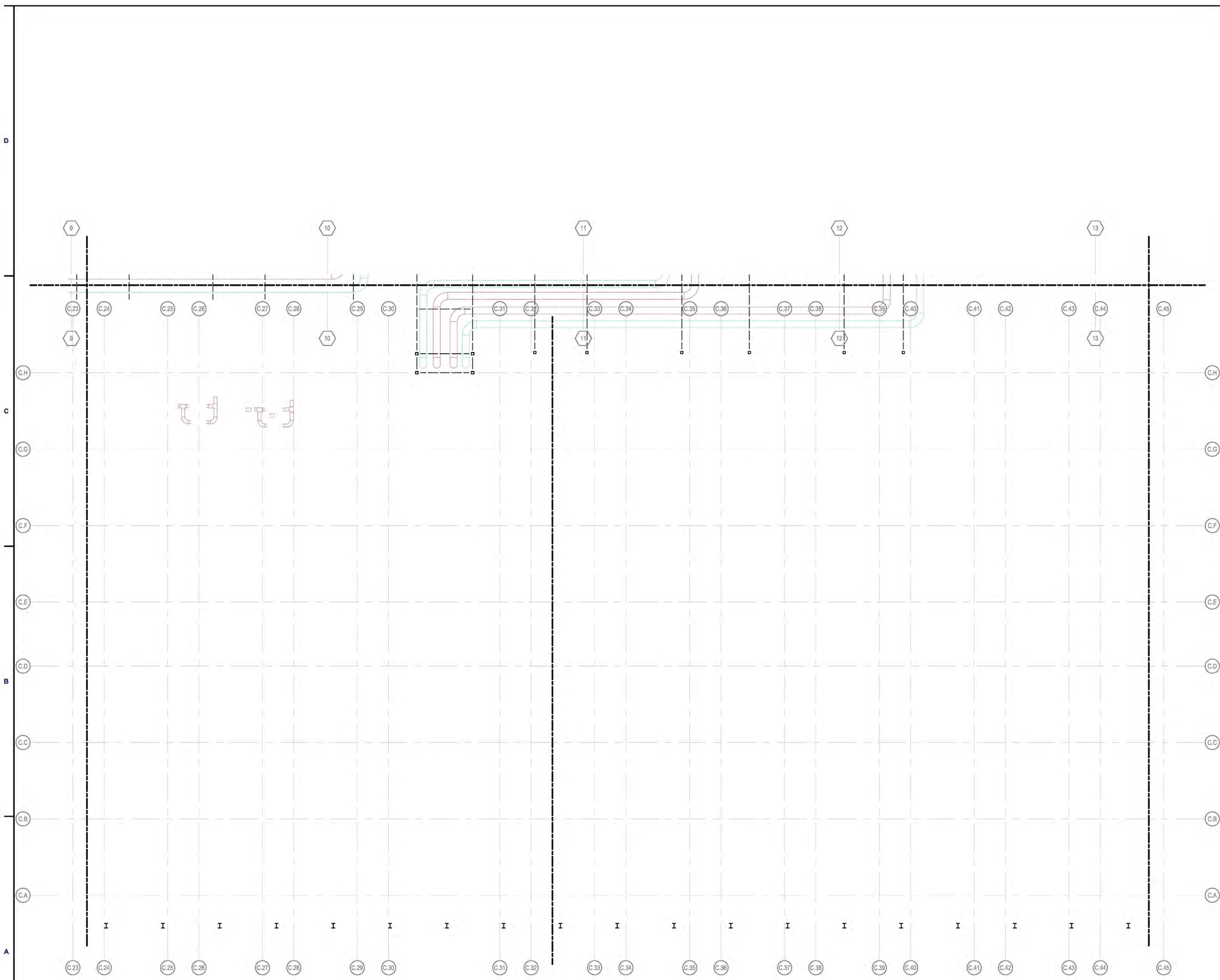
SHEET NUMBER

BLDG1-SB121P-A

A1 BUILDING 1 INTERMEDIATE FRAMING PLAN - AREA P
SCALE: 1/8" = 1'-0"

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A1 BUILDING 1 INTERMEDIATE FRAMING PLAN - AREA Q

SCALE: 1/8" = 1'-0"

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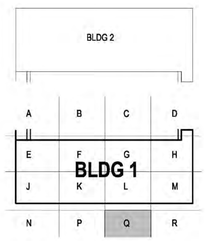
TRUE NORTH

GENERAL SHEET NOTES

SHEET KEYNOTE

1. PIPE SUPPORT FRAME DESIGNED FOR MAXIMUM APPLIED DL OF 202 PLF PER PIPE. SEE D3 / SF542-A FOR ATTACHMENTS AND FRAME CONNECTIONS.
2. MEZZANINE FLOOR FRAMING HAS BEEN DESIGNED FOR A MAXIMUM UNREDUCED LIVE LOAD OF 250 PSF.
3. ELECTRICAL EQUIPMENT SEE ELECTRICAL DRAWINGS FOR EXACT LOCATION, SIZE AND QUANTITY OF CABLE RUNS. MAXIMUM EQUIPMENT WEIGHT OF 115 LB/FT, SUPPORT BY OTHERS.
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9. STEEL SUPPLIER SHALL PROVIDE GUARDRAIL THAT MEETS ALL OSHA AND CODE REQUIREMENTS; SEE C1 / SB512-AXX FOR MORE INFORMATION
10. LL4x4x3/8 DIAPHRAGM BRACING AT DASHED LINES.
11. REFER TO DETAILS D1 / SB512-AXX& B4 / SB513-AXXOR HORIZONTAL SLIP CONNECTION AS REQUIRED AT THE INDICATED COLUMN LINE
12. PROVIDE CAP PL AT TOP OF ALL WF COLUMNS PER DETAIL C4 / SB512-AXX
13. PROVIDE SUPPORT FOR CABLE TRAYS AT EXISTING CONC. WALL PER DETAIL A1 / SF543-A

KEYPLAN



Salas O'Brien
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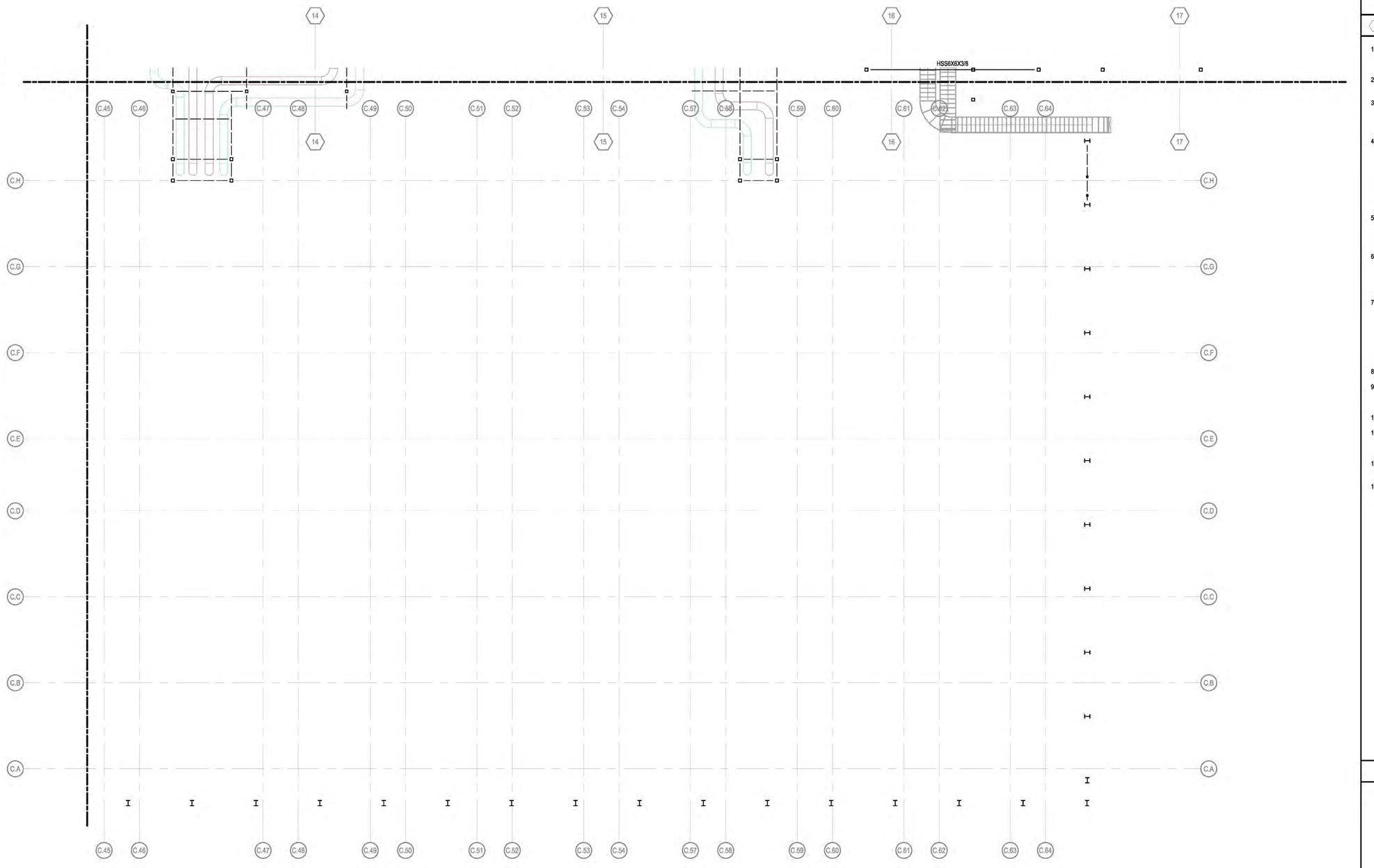
SHEET TITLE

BUILDING 1
INTERMEDIATE
FRAMING PLAN -
AREA Q

SHEET NUMBER

BLDG1-SB121Q-A

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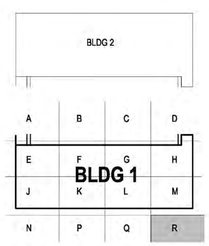


GENERAL SHEET NOTES

SHEET KEYNOTE

1. PIPE SUPPORT FRAME DESIGNED FOR MAXIMUM APPLIED DL OF 202 PLF PER PIPE. SEE D3 / SF542-A FOR ATTACHMENTS AND FRAME CONNECTIONS.
2. MEZZANINE FLOOR FRAMING HAS BEEN DESIGNED FOR A MAXIMUM UNREDUCED LIVE LOAD OF 250 PSF.
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9. STEEL SUPPLIER SHALL PROVIDE GUARDRAIL THAT MEETS ALL OSHA AND CODE REQUIREMENTS; SEE C1 / SB512-AXX FOR MORE INFORMATION
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KEYPLAN



N

TRUE NORTH

A1 BUILDING 1 INTERMEDIATE FRAMING PLAN - AREA R
SCALE: 1/8" = 1'-0"

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Seattle, TN 37204

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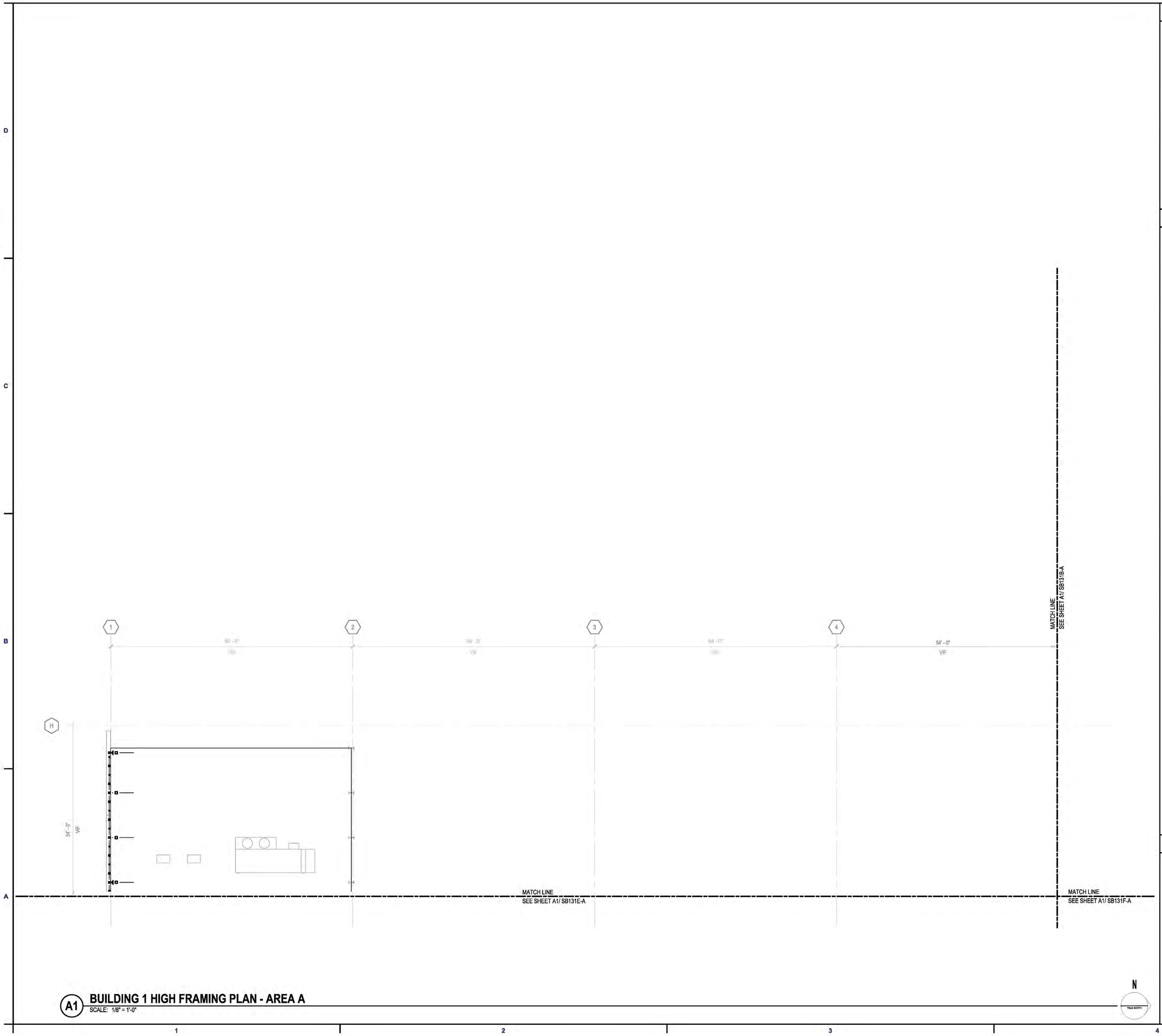
SHEET TITLE

BUILDING 1 INTERMEDIATE FRAMING PLAN - AREA R

SHEET NUMBER

BLDG1-SB121R-A

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A1 BUILDING 1 HIGH FRAMING PLAN - AREA A

SCALE: 1/8" = 1'-0"

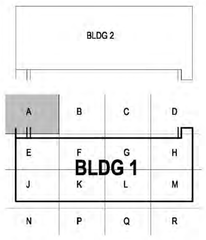
GENERAL SHEET NOTES

1. SOME SHEET KEYNOTES MAY NOT APPLY TO THIS SHEET.
2. REFERENCE FINISH FLOOR ELEVATION 0'-0" = MEAN SEA FINISH FLOOR ELEVATION. SEE CIVIL DRAWINGS.
3. DIMENSIONS ARE TO GRID LINES UNLESS NOTED OTHERWISE.
4. EXISTING CONSTRUCTION IS PER AVAILABLE EXISTING DRAWINGS. ALL EXISTING CONSTRUCTION AND DIMENSIONS SHALL BE VERIFIED PRIOR TO CONSTRUCTION. SHOULD CONDITIONS VARY FROM THOSE SHOWN, CONTACT ENGINEER BEFORE PROCEEDING.
5. SEE SHEETS SB711-A THRU SF742-A FOR TYPICAL DETAILS.
6. SEE SHEET S601-A FOR SCHEDULES.
7. NEW COLUMNS ON INTERIOR OF BUILDING SHALL BE SUPPORTED BY EXISTING 7" THICK SLAB ON GRADE UNLESS NOTED OTHERWISE.

SHEET KEYNOTE

1. NEW OPENING IN EXISTING TILT UP CONCRETE WALL FOR NEW OVERHEAD DOOR. SEE ARCHITECTURAL DRAWINGS FOR DOOR INFORMATION AND EXACT LOCATION. SEE DETAIL A3 / SB513-A .
2. SUPPORT OF MEP EQUIPMENT. COORDINATE FINAL EQUIPMENT LOCATION, DIMENSIONS, AND WEIGHT WITH MEP DRAWINGS. DESIGN WEIGHT OF EQUIPMENT IS 4850 LBS. IF FINAL WEIGHT DIFFERS EOR IS TO BE NOTIFIED. SEE DETAIL D3 / SB512-A
3. SUPPORT OF WATER TANK EQUIPMENT. COORDINATE EQUIPMENT LOCATION, DIMENSIONS, AN WEIGHT WITH MEP DRAWINGS.
4. SUPPORT OF MEP EQUIPMENT. COORDINATE LOCATION, DIMENSIONS, AND WEIGHT WITH MEP DRAWINGS. SEE DETAIL C4 / SB513-A
5. CABLE TRAY SEE ELECTRICAL DRAWINGS FOR EXACT LOCATION, SIZE, AND QUANTITY. SUPPORT STEEL DESIGNED FOR A MAXIMUM DL OF 200 LBS/FT. VERIFY LOADS AND ALERT EOR IF LOADS EXCEED THIS LIMIT PRIOR TO PLACEMENT.
6. ELECTRICAL CONDUIT PENETRATION THROUGH EXISTING SLAB ON GRADE PROVIDE 8" THICK CONCRETE LID AS REQUIRED. VAULT CAN BE PRECAST OR CAST IN PLACE.
7. SCAN EXISTING CONCRETE WALL TO LOCATE REINFORCING. COORDINATE CORE LOCATIONS TO AVOID VERTICAL WALL REINFORCING. CORE THROUGH EXISTING WALL TO LEAVE A MINIMUM OF 1/2 DIAMETER CLEAR BETWEEN CORE HOLES FOR SIZE OF HOLES CORED.
8. SUPPORT OF MEP EQUIPMENT. COORDINATE FINAL EQUIPMENT LOCATION, DIMENSIONS, AND WEIGHT WITH MEP DRAWINGS. DESIGN WEIGHT OF EQUIPMENT IS 600 LBS. IF FINAL WEIGHT DIFFERS EOR IS TO BE NOTIFIED. SEE DETAIL C4 / SB513-A
9. SUPPORT OF MEP EQUIPMENT. COORDINATE FINAL EQUIPMENT LOCATION, DIMENSIONS, AND WEIGHT WITH MEP DRAWINGS. DESIGN WEIGHT OF EQUIPMENT IS 1430 LBS. IF FINAL WEIGHT DIFFERS EOR IS TO BE NOTIFIED. SEE DETAIL D3 / SB512-A
10. SUPPORT OF MEP EQUIPMENT. COORDINATE LOCATION, DIMENSIONS, AND WEIGHT WITH MEP DRAWINGS. SEE DETAIL D3 / SB512-A
11. SUPPORT OF MEP EQUIPMENT. COORDINATE FINAL EQUIPMENT LOCATION, DIMENSIONS, AND WEIGHT WITH MEP DRAWINGS. DESIGN WEIGHT OF EQUIPMENT IS 3570 LBS. IF FINAL WEIGHT DIFFERS EOR IS TO BE NOTIFIED. SEE DETAIL D3 / SB512-A
12. CONTRACTOR TO BRACE EXISTING CONCRETE TILT UP WALLS PRIOR TO REMOVING EXISTING CONCRETE SLAB ON GRADE POUR STRIP TO INSTALL NEW COLUMN SUPPORT.

KEYPLAN



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09/21/2026	REVISED FIT-UP IFP

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ISSUE:

PROJ NO
2540-01309

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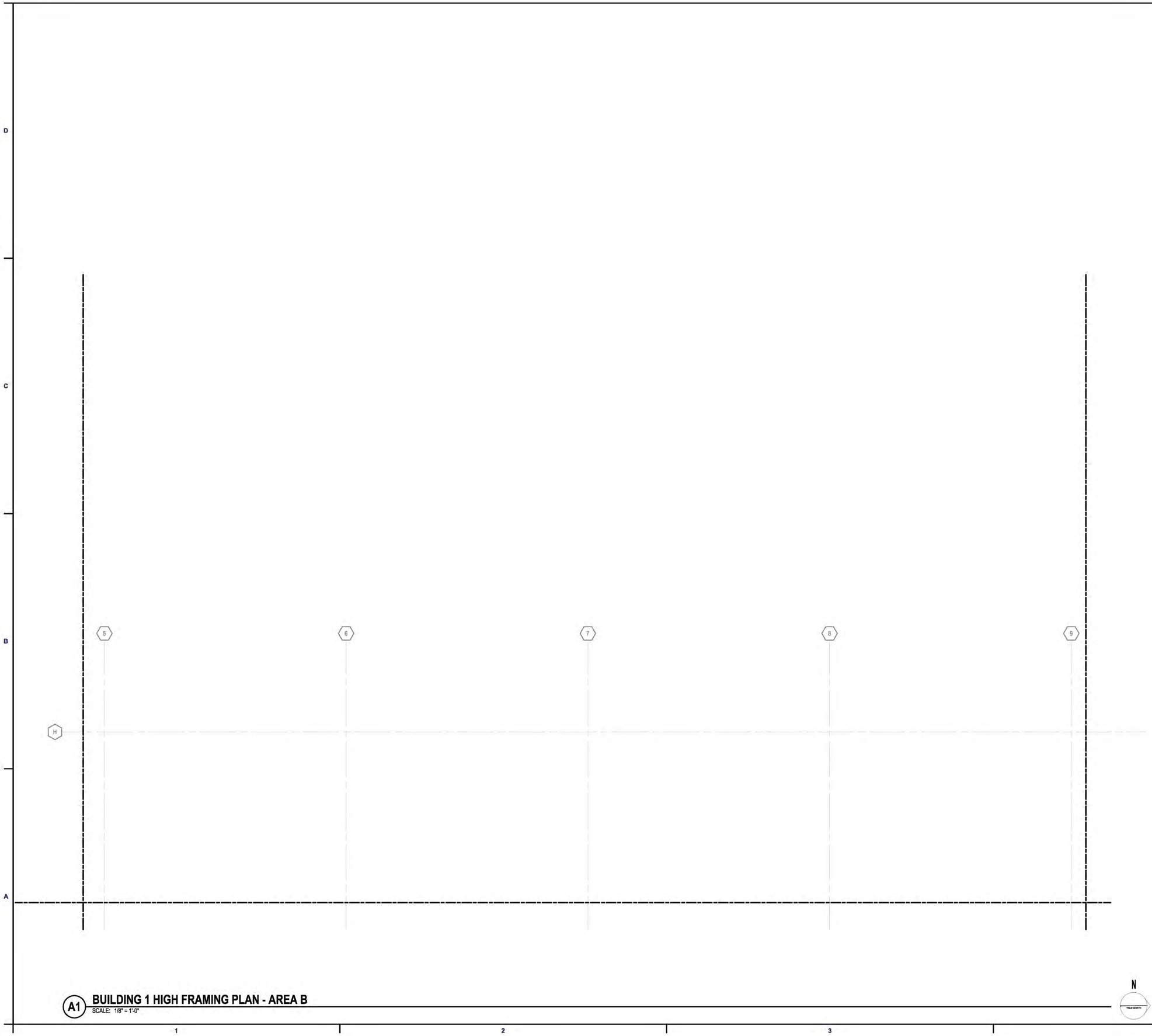
SHEET TITLE

BUILDING 1 HIGH FRAMING PLAN - AREA A

SHEET NUMBER

BLDG1-SB131A-A

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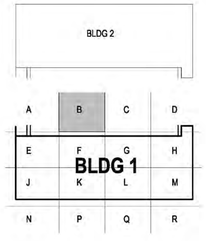
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5. SEE SHEETS SB711-A THRU SF742-A FOR TYPICAL DETAILS.
6. SEE SHEET S601-A FOR SCHEDULES.
7. NEW COLUMNS ON INTERIOR OF BUILDING SHALL BE SUPPORTED BY EXISTING 7" THICK SLAB ON GRADE UNLESS NOTED OTHERWISE.

SHEET KEYNOTE

1. NEW OPENING IN EXISTING TILT UP CONCRETE WALL FOR NEW OVERHEAD DOOR. SEE ARCHITECTURAL DRAWINGS FOR DOOR INFORMATION AND EXACT LOCATION. SEE DETAIL A3 / SB513-A .
2. SUPPORT OF MEP EQUIPMENT. COORDINATE FINAL EQUIPMENT LOCATION, DIMENSIONS, AND WEIGHT WITH MEP DRAWINGS. DESIGN WEIGHT OF EQUIPMENT IS 4850 LBS. IF FINAL WEIGHT DIFFERS EOR IS TO BE NOTIFIED. SEE DETAIL D3 / SB512-A
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12. CONTRACTOR TO BRACE EXISTING CONCRETE TILT UP WALLS PRIOR TO REMOVING EXISTING CONCRETE SLAB ON GRADE POUR STRIP TO INSTALL NEW COLUMN SUPPORT.

KEYPLAN



N

TRUE NORTH

A1 BUILDING 1 HIGH FRAMING PLAN - AREA B
SCALE: 1/8" = 1'-0"

Salas O'Brien
salasobrien.com 615.346.3400
Nashville
2950 Kraft Drive
Seattle, TN 37204

PROFESSIONAL SEAL



09/21/2026

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PROJECT SUNSHINE

BUILDING 1

810 PACE RD.
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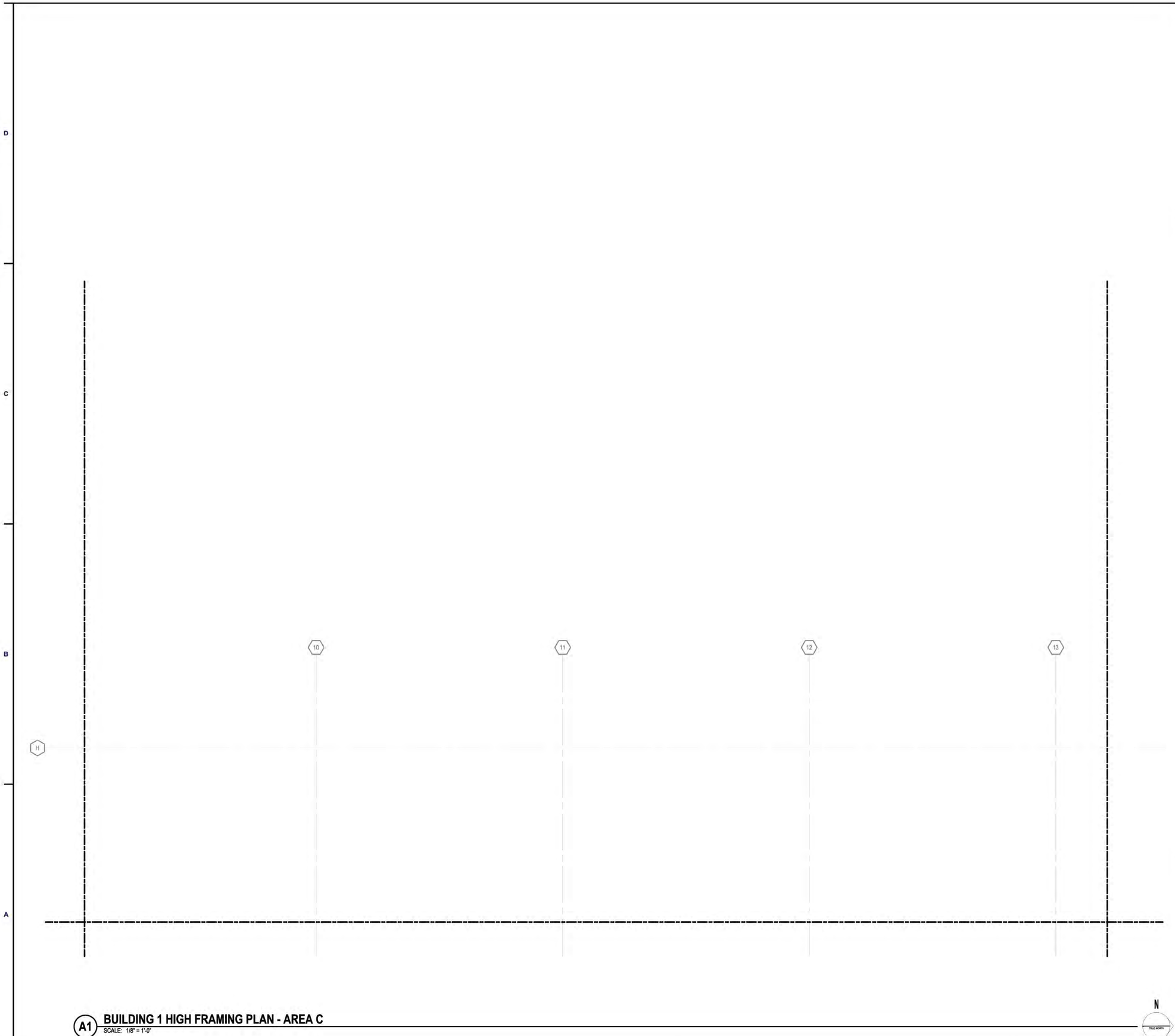
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SHEET TITLE

BUILDING 1 HIGH FRAMING PLAN - AREA B

SHEET NUMBER
BLDG1-SB131B-A

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A1 **BUILDING 1 HIGH FRAMING PLAN - AREA C**
SCALE: 1/8" = 1'-0"

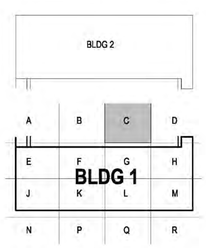
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KEYPLAN



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Seattle, TN 37204

PROFESSIONAL SEAL

NATHAN B. MENSH LICENSE NO. 77319 EXP:02/28/2027 STATE OF FLORIDA PROFESSIONAL ENGINEER
09/21/2026

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PROJECT SUNSHINE

BUILDING 1

810 PACE RD.
AUBURNDALE, FL 33823

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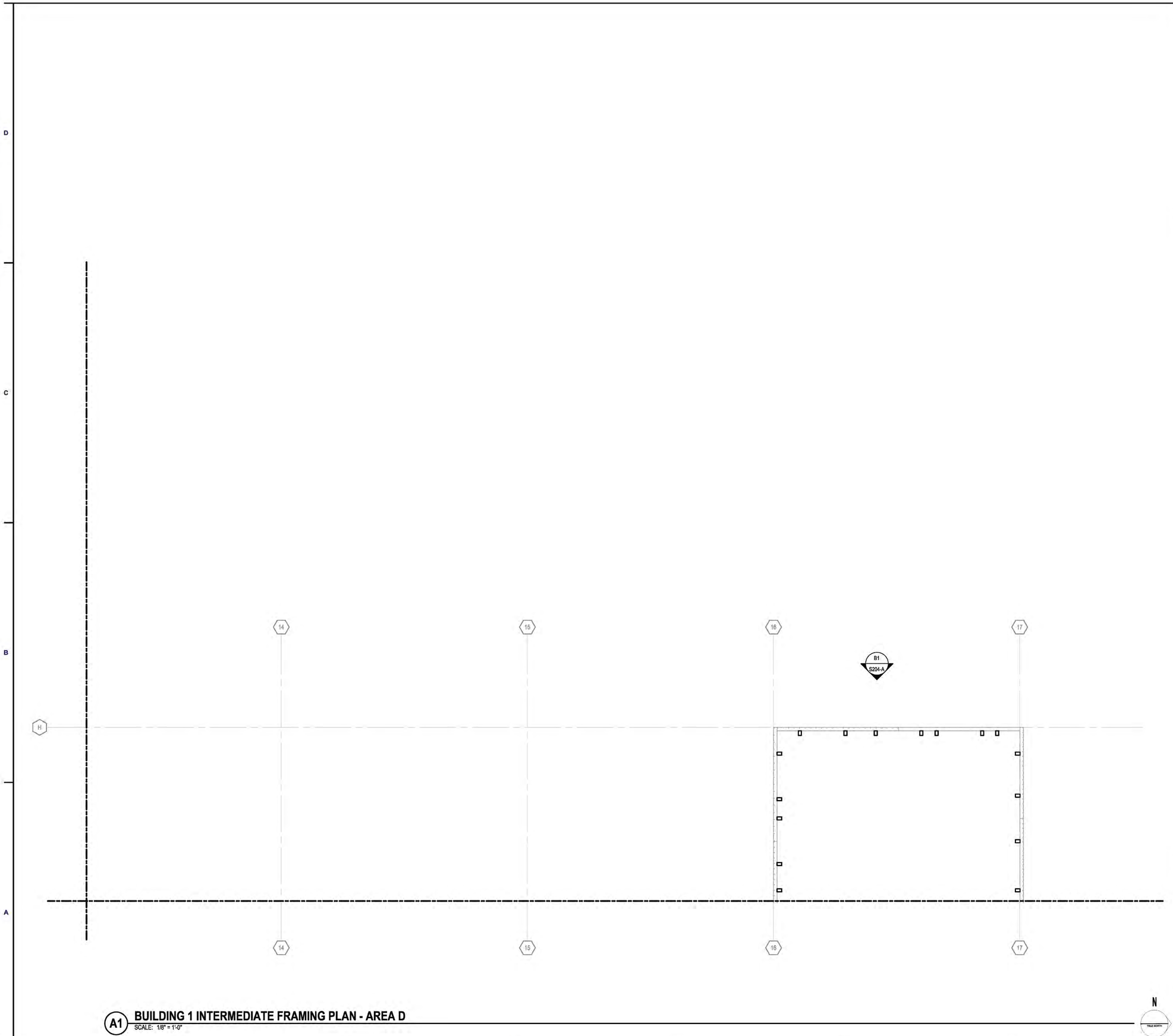
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SHEET TITLE

BUILDING 1 HIGH FRAMING PLAN - AREA C

SHEET NUMBER
BLDG1-SB131C-A

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A1 **BUILDING 1 INTERMEDIATE FRAMING PLAN - AREA D**
SCALE: 1/8" = 1'-0"

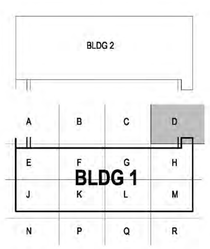
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KEYPLAN



Salas O'Brien
salasobrien.com 615.346.3400
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2950 Kraft Drive
Seattle, TN 37204

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09/21/2026

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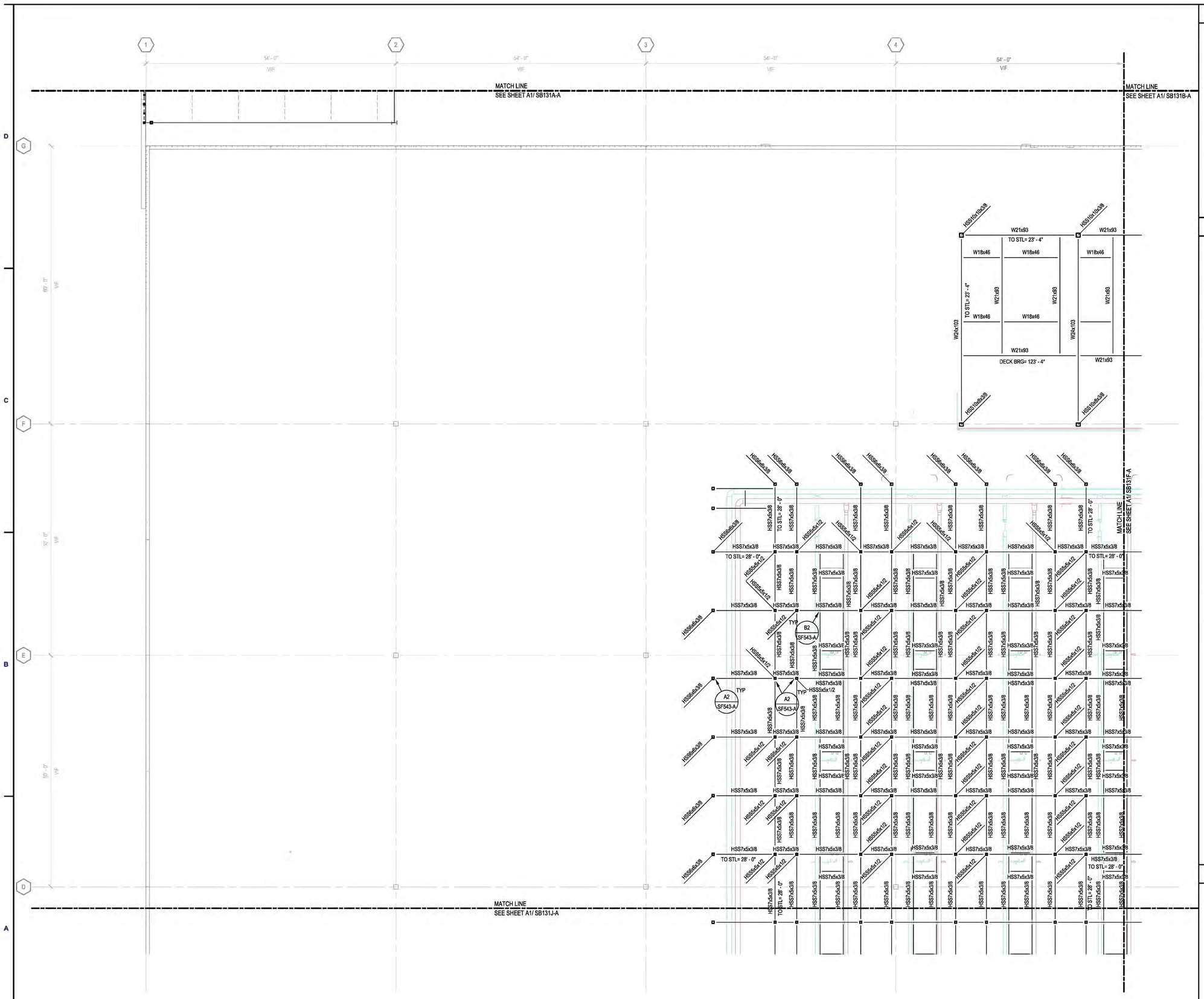
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SHEET TITLE

BUILDING 1 HIGH FRAMING PLAN - AREA D

SHEET NUMBER
BLDG1-SB131D-A

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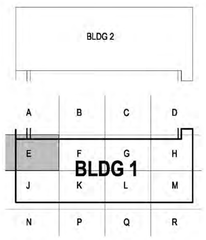
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KEYPLAN



A1 BUILDING 1 HIGH FRAMING PLAN - AREA E

SCALE: 1/8" = 1'-0"

N

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Nashville
2950 Kraft Drive
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PROFESSIONAL SEAL

NATHAN B. MEINERT LICENSE No. 77879 EXPIRATION DATE: 09/30/2027 STATE OF FLORIDA PROFESSIONAL ENGINEER
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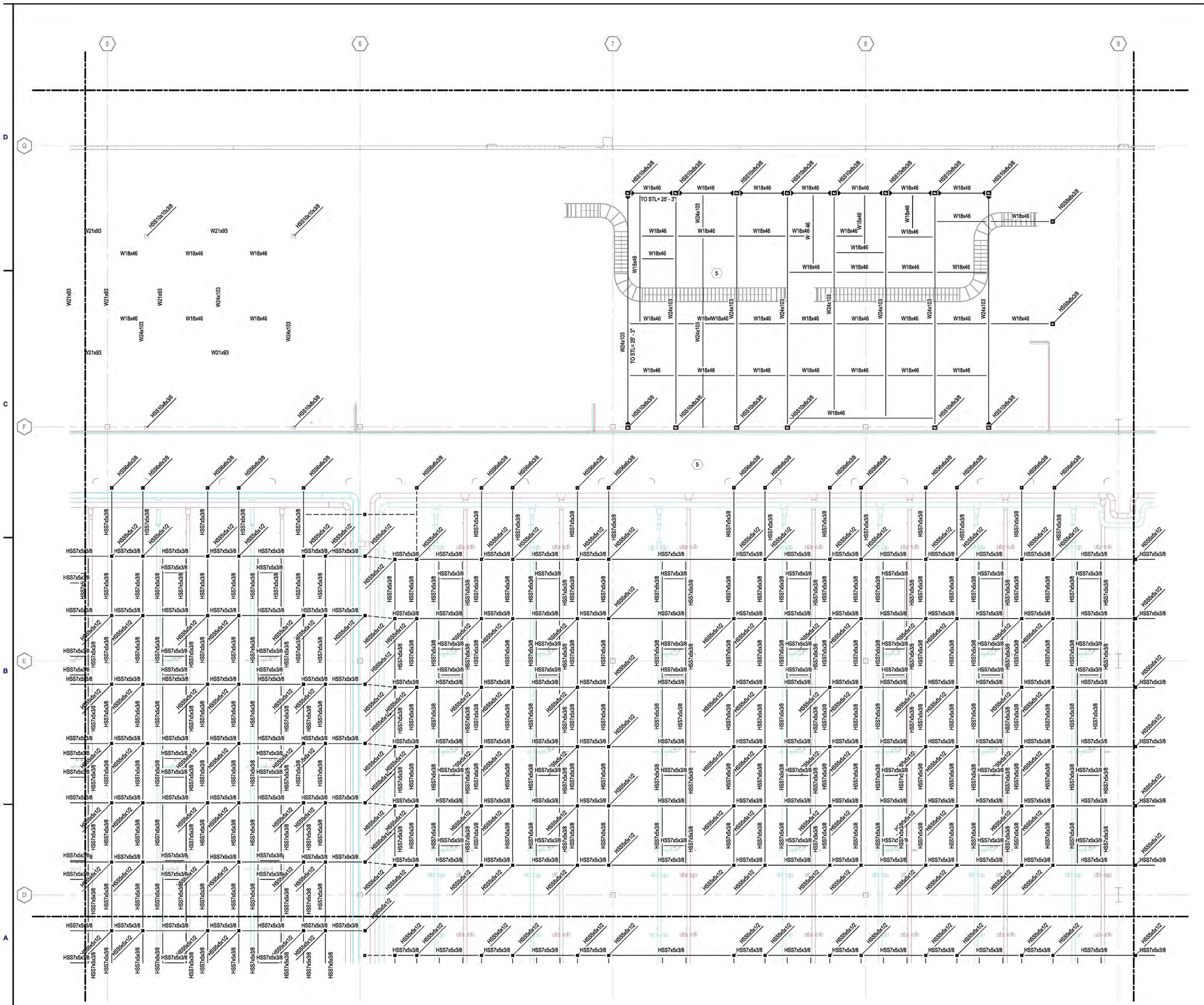
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BUILDING 1 HIGH FRAMING PLAN - AREA E

SHEET NUMBER

BLDG1-SB131E-A

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A1 BUILDING 1 HIGH FRAMING PLAN - AREA F

SCALE: 1/8" = 1'-0"

N

TRUE NORTH

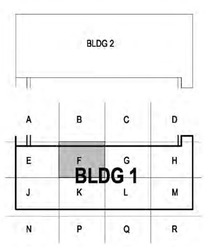
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KEYPLAN



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PROFESSIONAL SEAL

NATHAN B. MENSAH LICENSE No. 77979 EXPIRATION DATE: 02/28/2027 STATE OF FLORIDA PROFESSIONAL ENGINEER
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PROJECT SUNSHINE

BUILDING 1

810 PACE RD.
AUBURNDALE, FL 33823

ISSUE DATE	DESCRIPTION
09/21/2026	REVISED FIT-UP IFP

Δ	DESCRIPTION	DATE

ISSUE:

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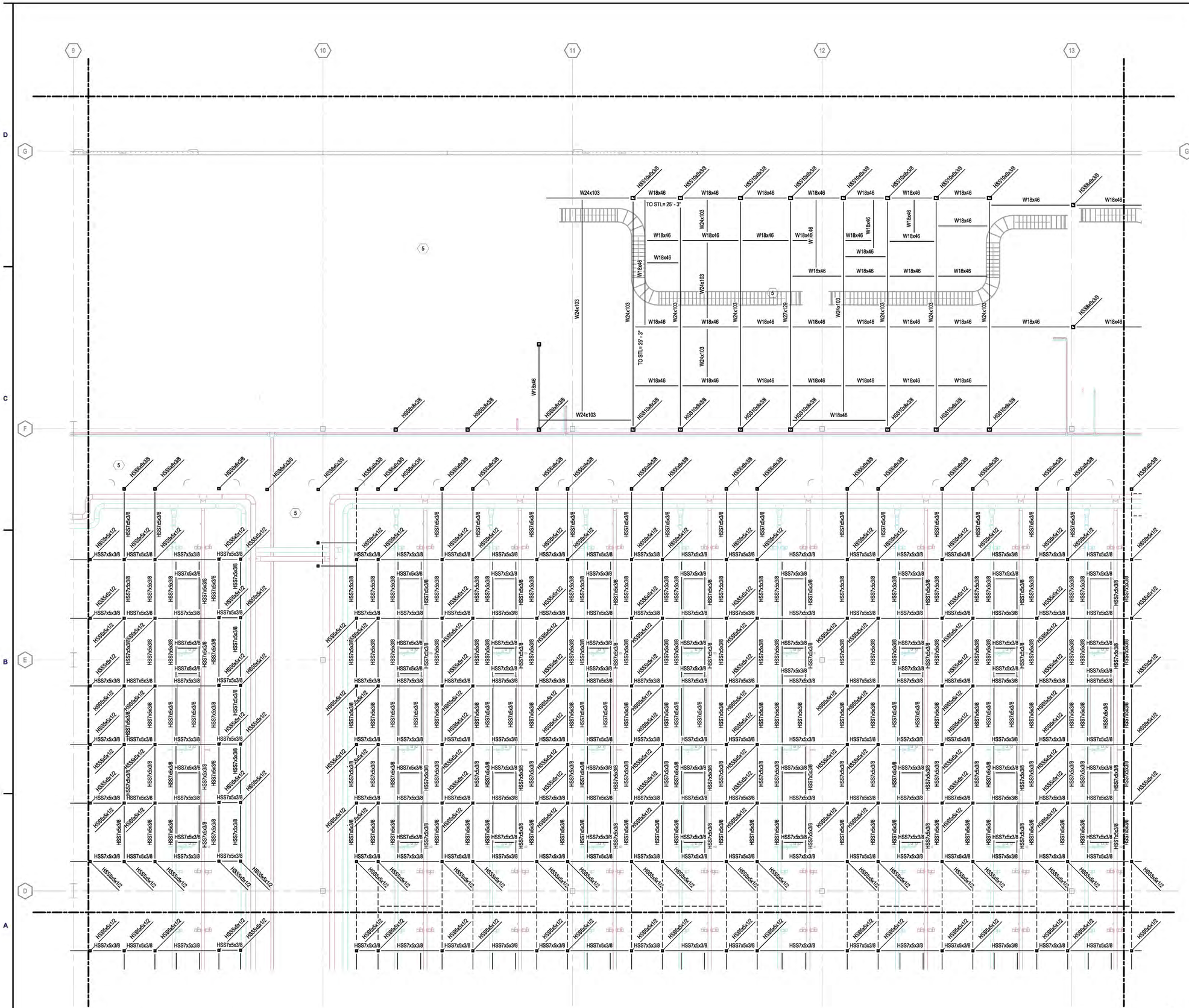
SHEET TITLE

BUILDING 1 HIGH FRAMING PLAN - AREA F

SHEET NUMBER

BLDG1-SB131F-A

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A1 BUILDING 1 HIGH FRAMING PLAN - AREA G

SCALE: 1/8" = 1'-0"

N

TRUE NORTH

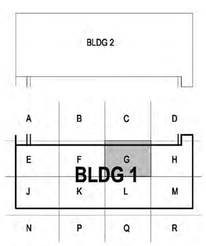
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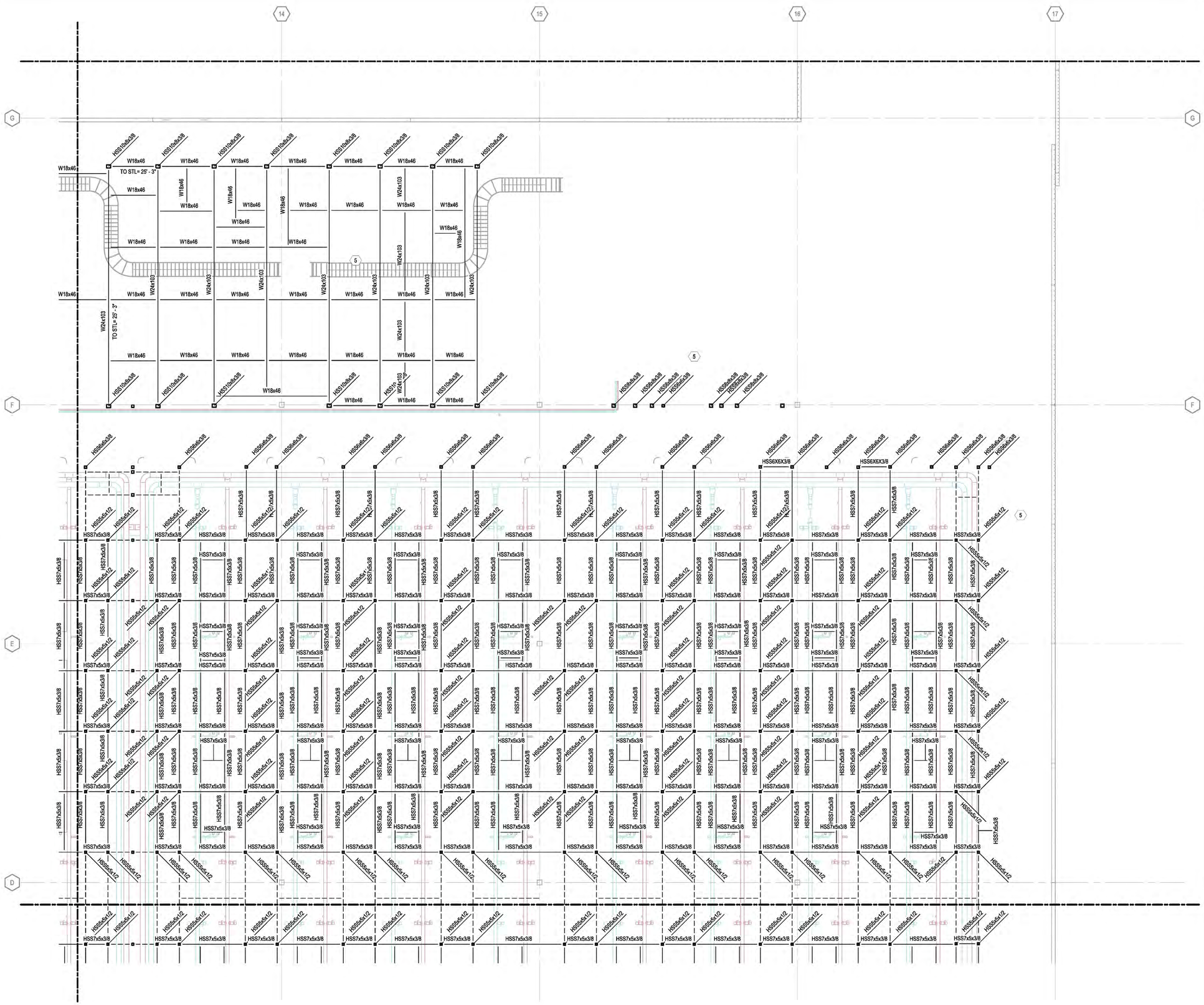
SHEET TITLE

BUILDING 1 HIGH FRAMING PLAN - AREA G

SHEET NUMBER

BLDG1-SB131G-A

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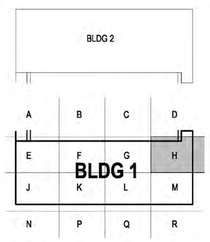
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KEYPLAN



A1 BUILDING 1 HIGH FRAMING PLAN - AREA H

SCALE: 1/8" = 1'-0"

N

TRUE NORTH

Salas O'Brien

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PROFESSIONAL SEAL

NATHAN B. MEINERT LICENSE NO. 77879 EXPIRATION DATE: 02/28/2027 STATE OF FLORIDA PROFESSIONAL ENGINEER

09/21/2026

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PROJECT SUNSHINE

BUILDING 1

810 PACE RD.
AUBURNDALE, FL 33823

ISSUE DATE	DESCRIPTION
09/21/2026	REVISED FIT-UP IFP

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SHEET TITLE

BUILDING 1 HIGH FRAMING PLAN - AREA H

SHEET NUMBER

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A1 BUILDING 1 HIGH FRAMING PLAN - AREA J

SCALE: 1/8" = 1'-0"

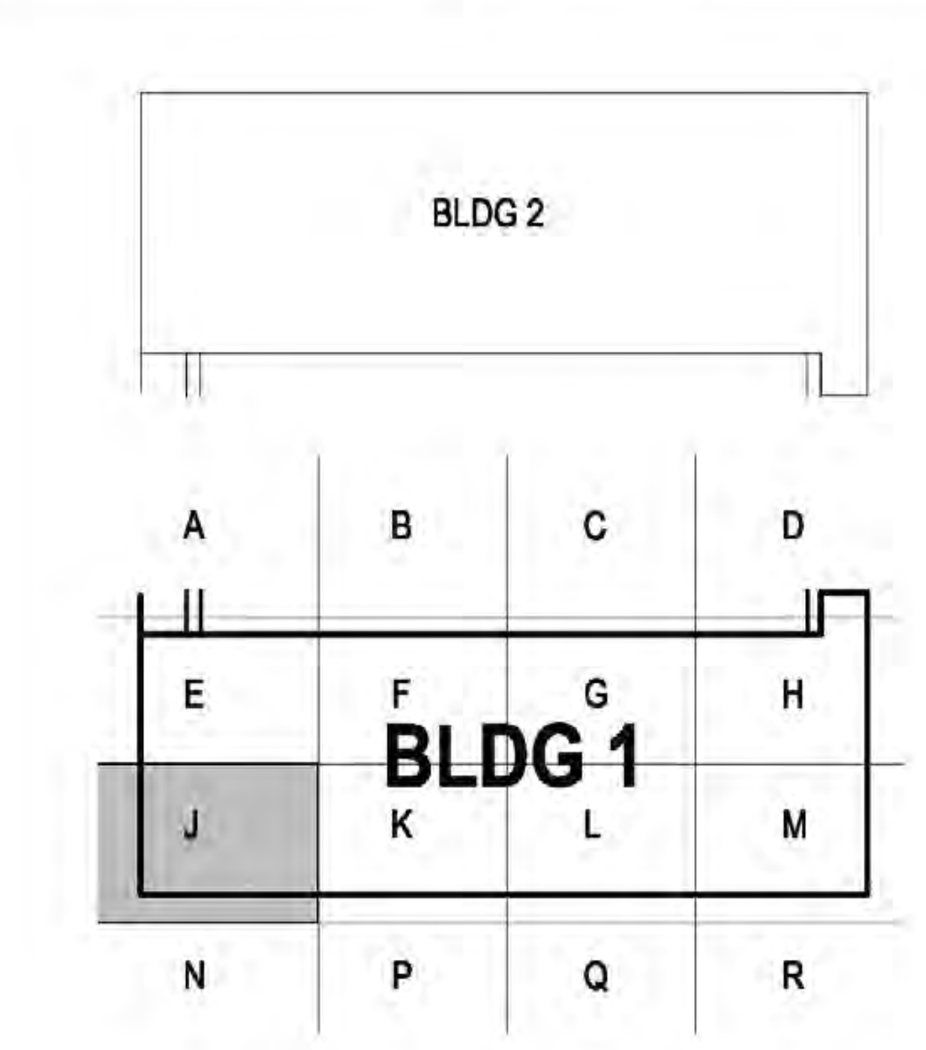
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PROFESSIONAL SEAL

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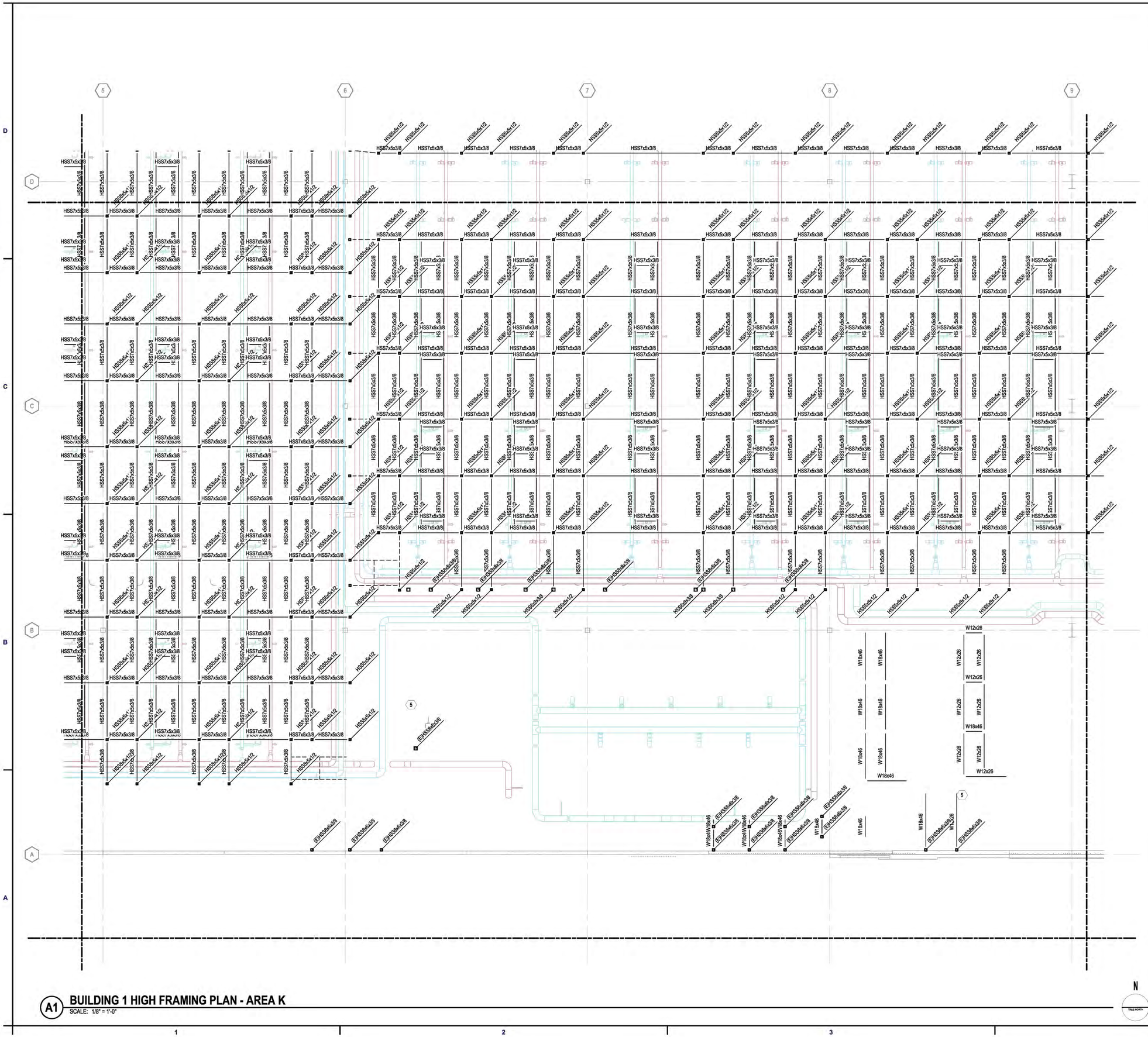
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SHEET TITLE
BUILDING 1 HIGH FRAMING PLAN - AREA J

SHEET NUMBER
BLDG1-SB131J-A



A1 BUILDING 1 HIGH FRAMING PLAN - AREA K

SCALE: 1/8" = 1'-0"

N

TRUE NORTH

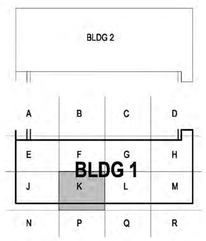
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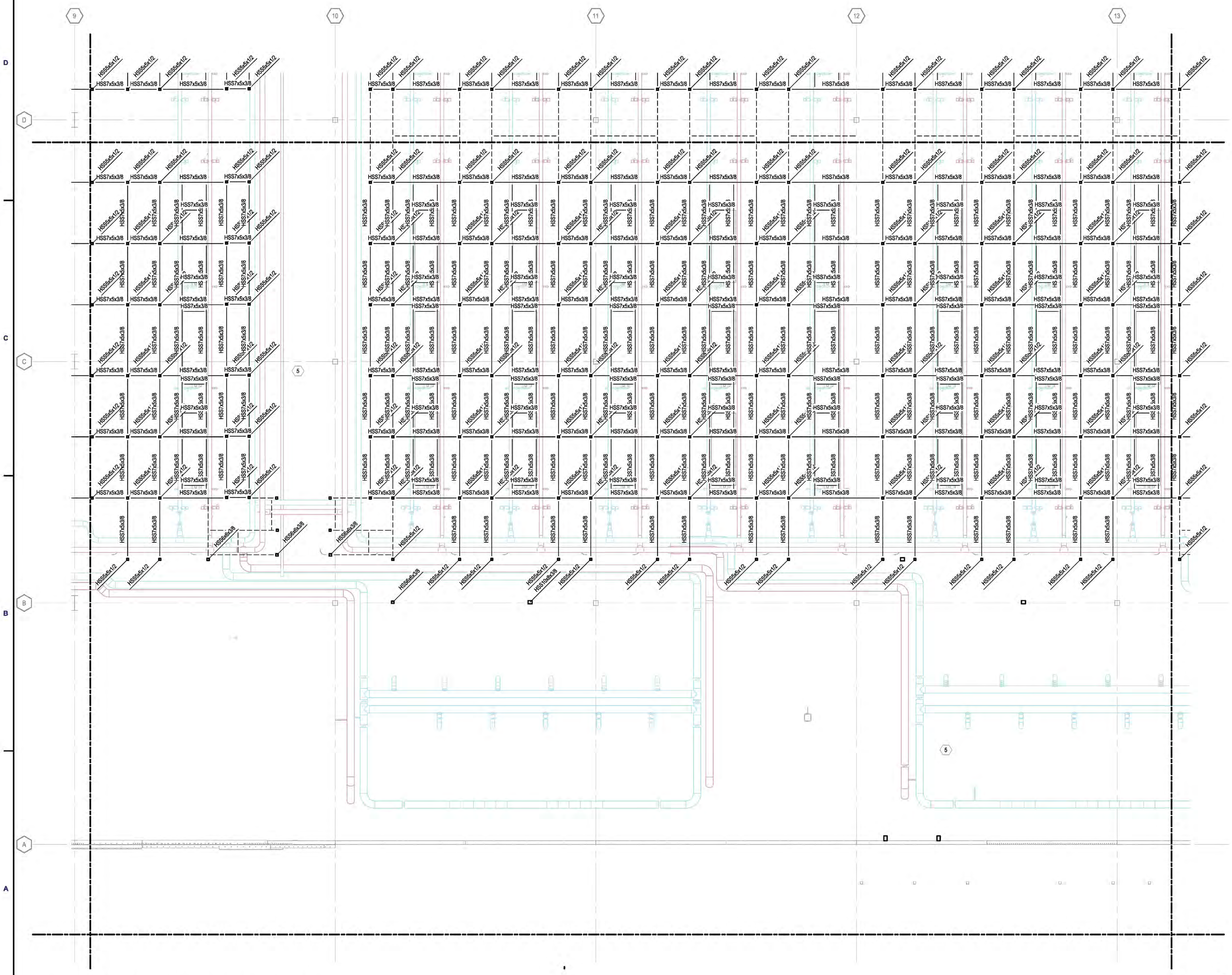
SHEET TITLE

BUILDING 1 HIGH FRAMING PLAN - AREA K

SHEET NUMBER

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A1 BUILDING 1 HIGH FRAMING PLAN - AREA L
SCALE: 1/8" = 1'-0"

N
TRUE NORTH

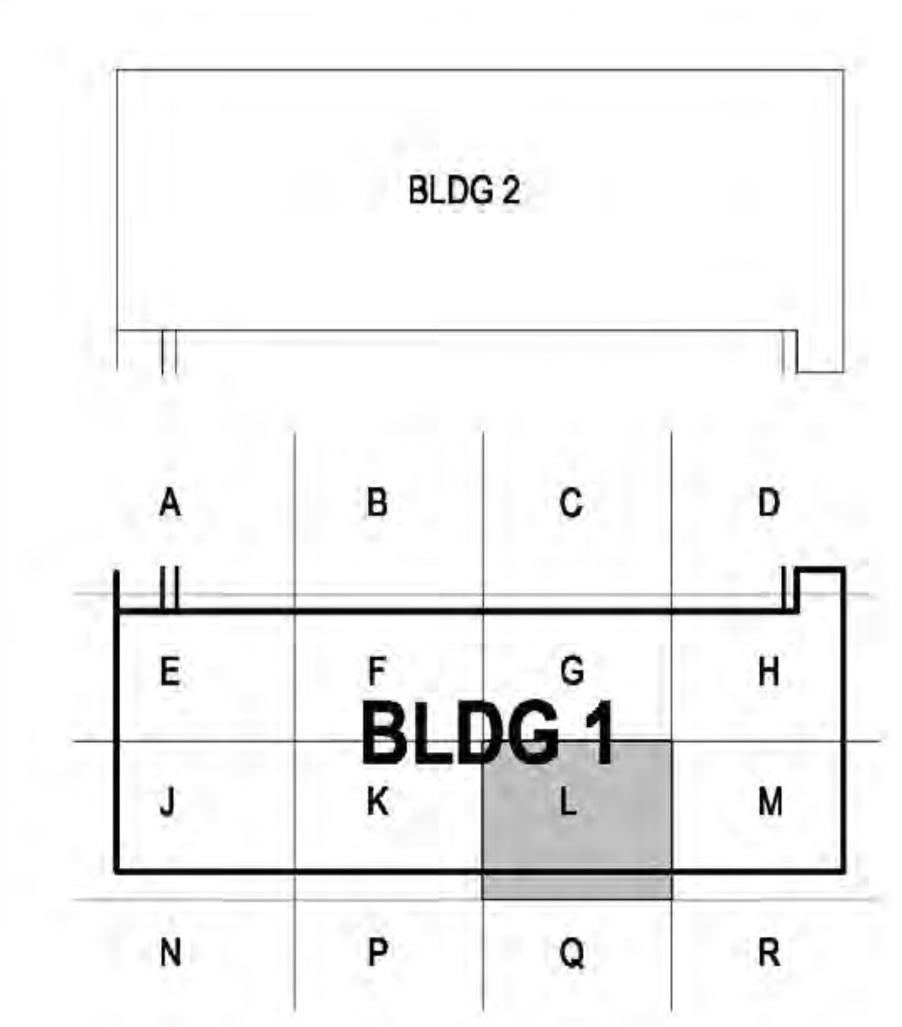
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5. SEE SHEETS SB711-A THRU SF742-A FOR TYPICAL DETAILS.
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KEYPLAN



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2950 Kraft Drive
Seattle, TN 37204

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AUBURNDALE, FL 33823

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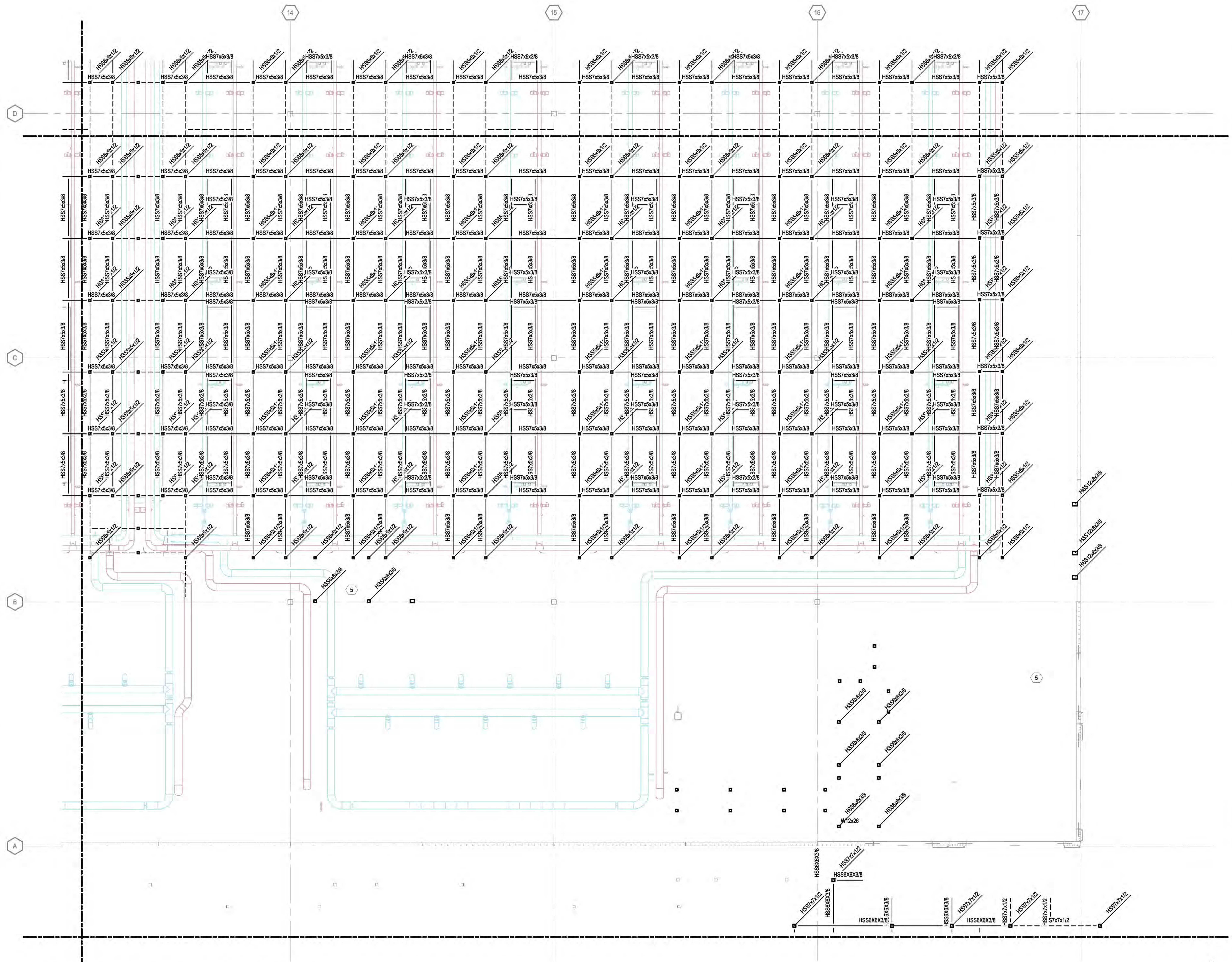
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SHEET TITLE
BUILDING 1 HIGH FRAMING PLAN - AREA L

SHEET NUMBER
BLDG1-SB131L-A



A1 BUILDING 1 HIGH FRAMING PLAN - AREA M
SCALE: 1/8" = 1'-0"

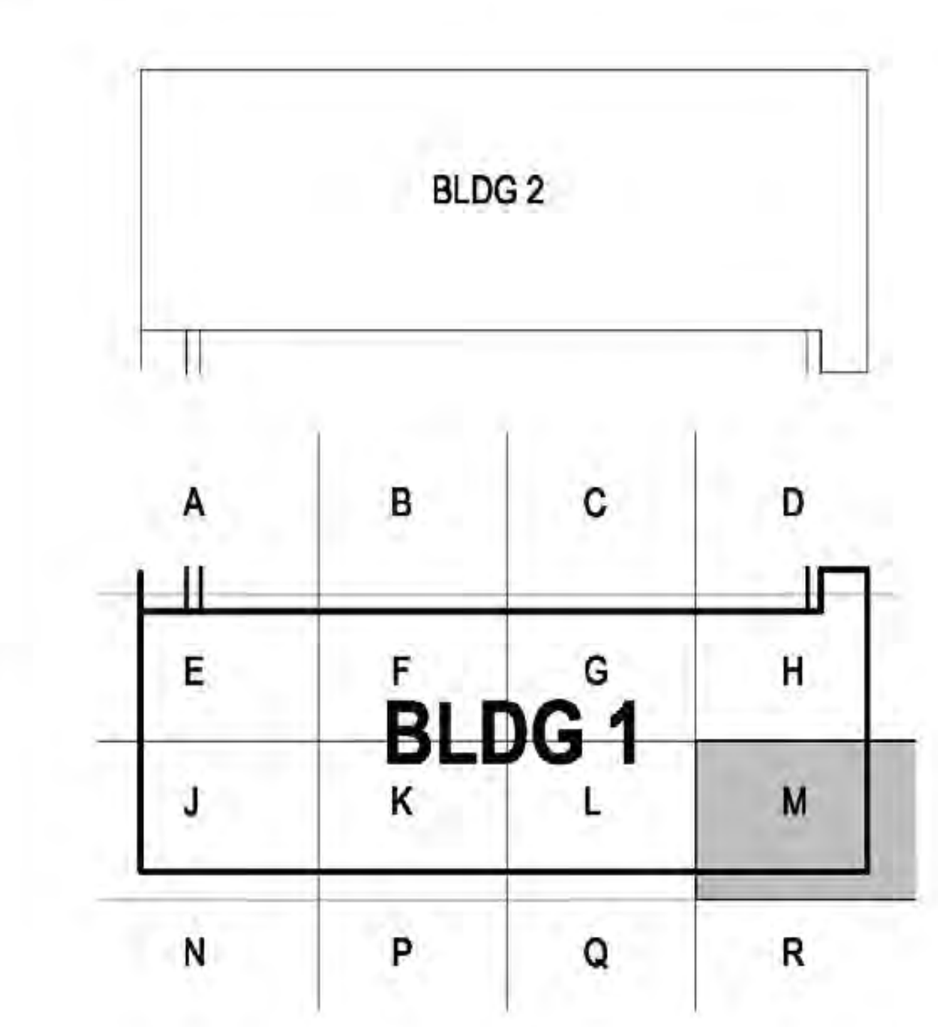
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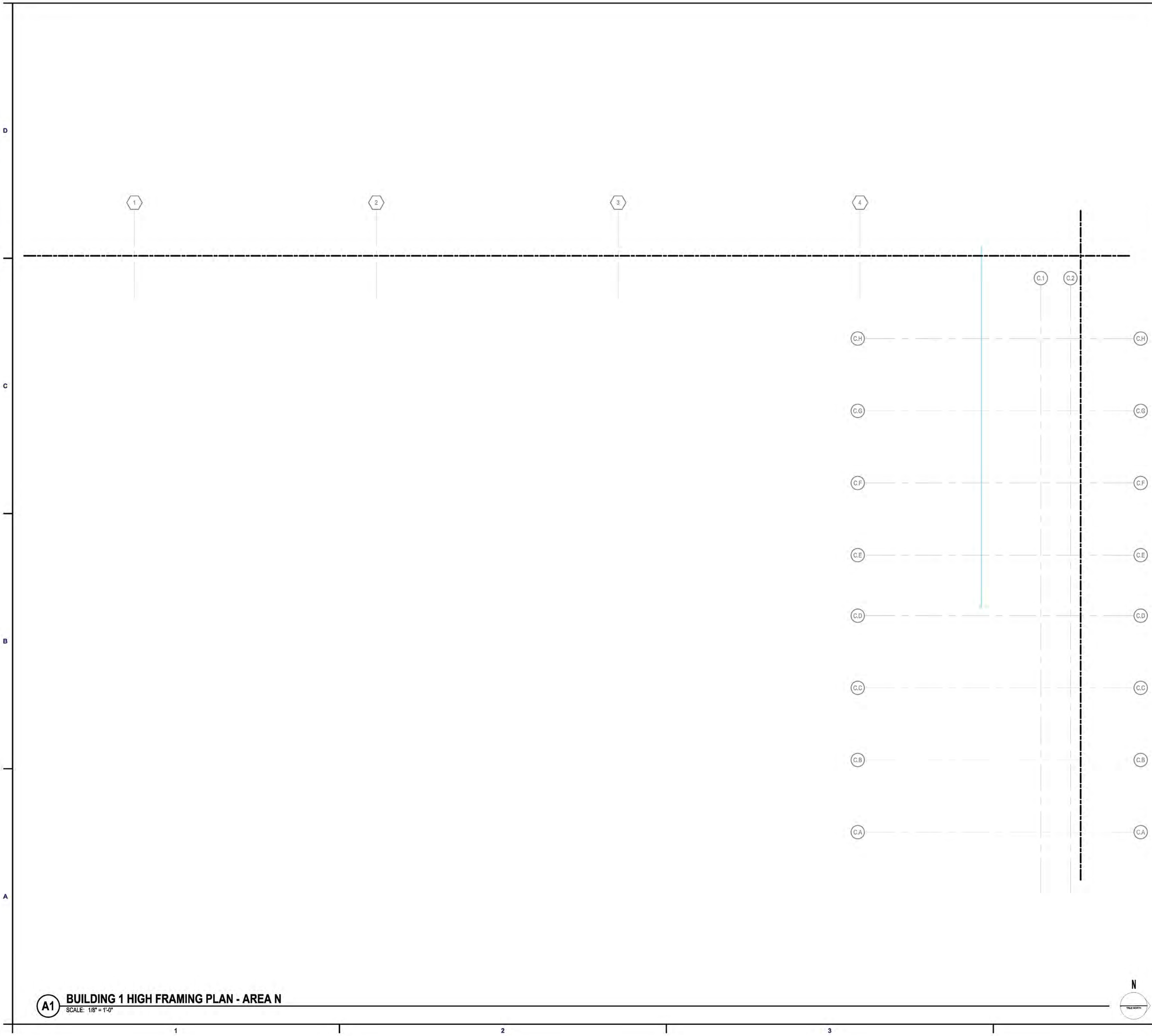
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SHEET TITLE
BUILDING 1 HIGH FRAMING PLAN - AREA M

SHEET NUMBER
BLDG1-SB131M-A

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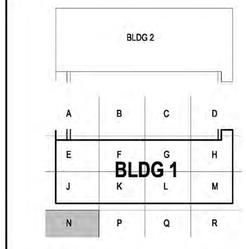
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KEYPLAN



N

TRUE NORTH

A1 BUILDING 1 HIGH FRAMING PLAN - AREA N
SCALE: 1/8" = 1'-0"

Salas O'Brien
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2950 Kraft Drive
Seattle, TN 37204

PROFESSIONAL SEAL



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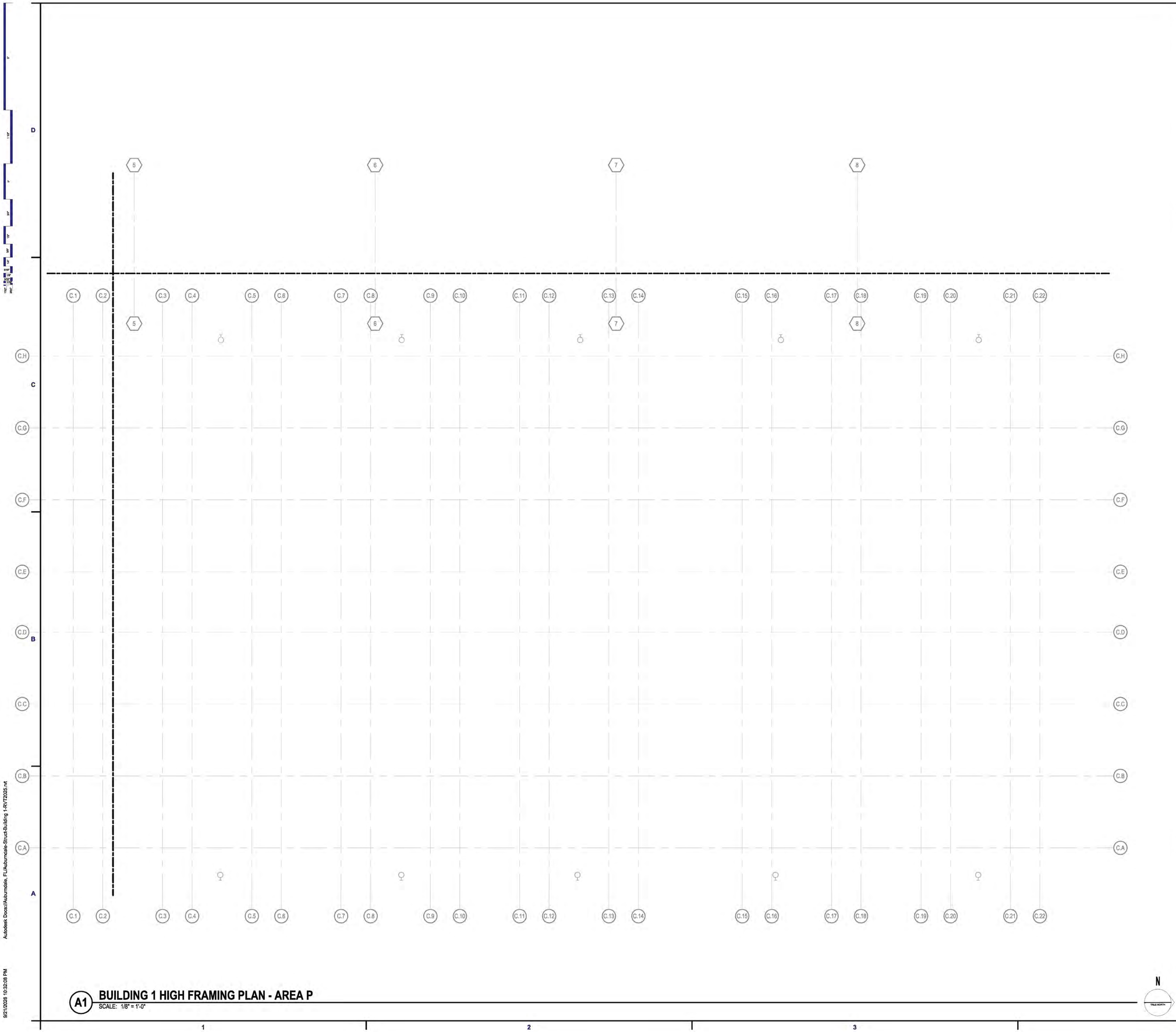
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SHEET TITLE

BUILDING 1 HIGH FRAMING PLAN - AREA N

SHEET NUMBER
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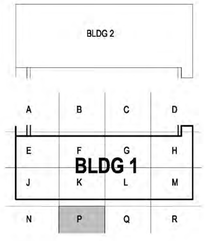
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KEYPLAN



N
TRUE NORTH

A1 BUILDING 1 HIGH FRAMING PLAN - AREA P
SCALE: 1/8" = 1'-0"

Salas O'Brien
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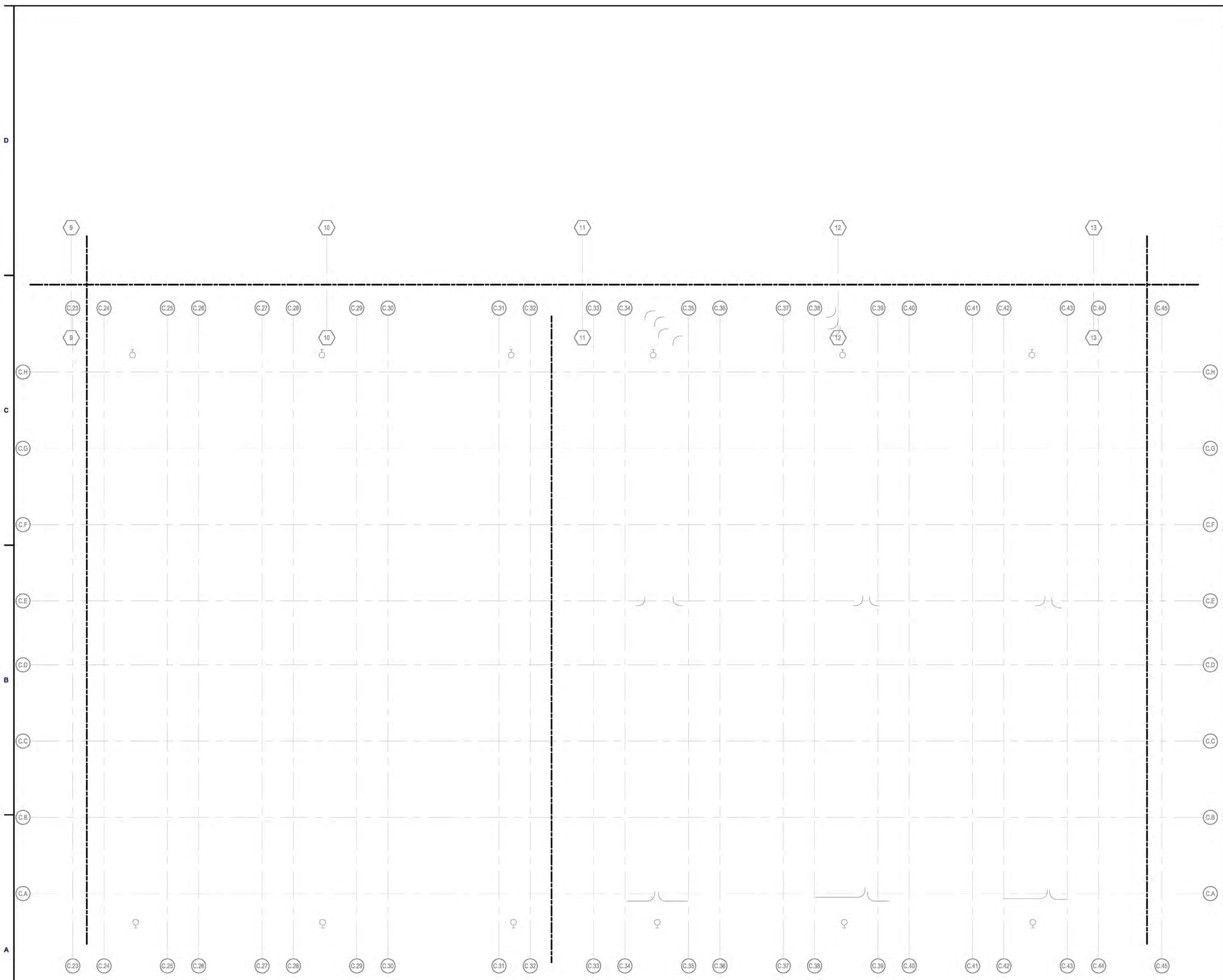
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SHEET TITLE

BUILDING 1 HIGH FRAMING PLAN - AREA P

SHEET NUMBER
BLDG1-SB131P-A

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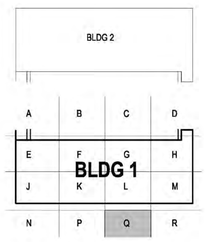
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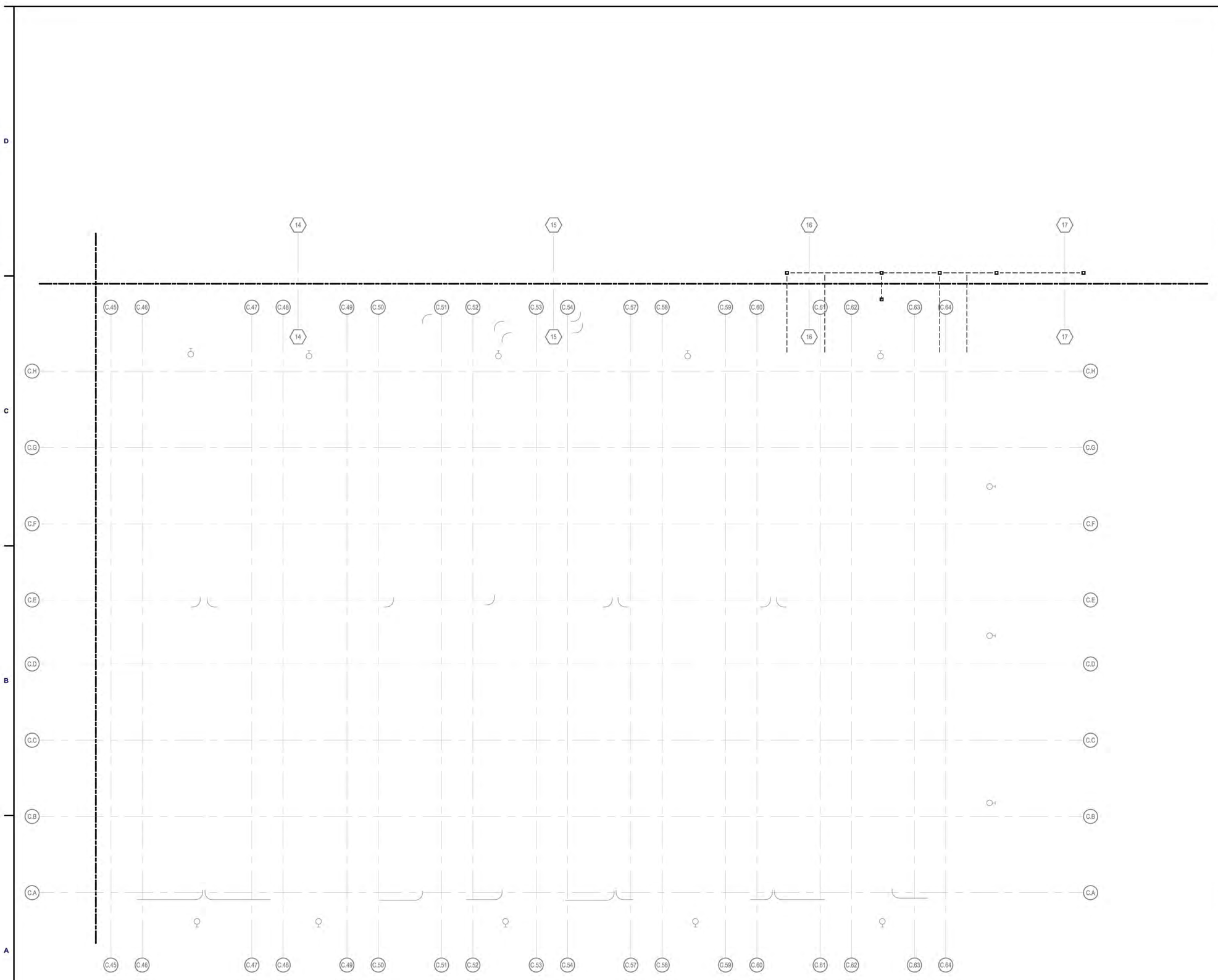
SHEET TITLE

BUILDING 1 HIGH FRAMING PLAN - AREA Q

SHEET NUMBER

BLDG1-SB131Q-A

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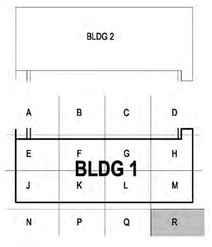
GENERAL SHEET NOTES

1. SOME SHEET KEYNOTES MAY NOT APPLY TO THIS SHEET.
2. REFERENCE FINISH FLOOR ELEVATION 0'-0" = MEAN SEA FINISH FLOOR ELEVATION. SEE CIVIL DRAWINGS.
3. DIMENSIONS ARE TO GRID LINES UNLESS NOTED OTHERWISE.
4. EXISTING CONSTRUCTION IS PER AVAILABLE EXISTING DRAWINGS. ALL EXISTING CONSTRUCTION AND DIMENSIONS SHALL BE VERIFIED PRIOR TO CONSTRUCTION. SHOULD CONDITIONS VARY FROM THOSE SHOWN, CONTACT ENGINEER BEFORE PROCEEDING.
5. SEE SHEETS SB711-A THRU SF742-A FOR TYPICAL DETAILS.
6. SEE SHEET S601-A FOR SCHEDULES.
7. NEW COLUMNS ON INTERIOR OF BUILDING SHALL BE SUPPORTED BY EXISTING 7" THICK SLAB ON GRADE UNLESS NOTED OTHERWISE.

SHEET KEYNOTE

1. NEW OPENING IN EXISTING TILT UP CONCRETE WALL FOR NEW OVERHEAD DOOR. SEE ARCHITECTURAL DRAWINGS FOR DOOR INFORMATION AND EXACT LOCATION. SEE DETAIL A3 / SB513-A .
2. SUPPORT OF MEP EQUIPMENT. COORDINATE FINAL EQUIPMENT LOCATION, DIMENSIONS, AND WEIGHT WITH MEP DRAWINGS. DESIGN WEIGHT OF EQUIPMENT IS 4850 LBS. IF FINAL WEIGHT DIFFERS EOR IS TO BE NOTIFIED. SEE DETAIL D3 / SB512-A
3. SUPPORT OF WATER TANK EQUIPMENT. COORDINATE EQUIPMENT LOCATION, DIMENSIONS, AN WEIGHT WITH MEP DRAWINGS.
4. SUPPORT OF MEP EQUIPMENT. COORDINATE LOCATION, DIMENSIONS, AND WEIGHT WITH MEP DRAWINGS. SEE DETAIL C4 / SB513-A
5. CABLE TRAY SEE ELECTRICAL DRAWINGS FOR EXACT LOCATION, SIZE, AND QUANTITY. SUPPORT STEEL DESIGNED FOR A MAXIMUM DL OF 200 LBS/FT. VERIFY LOADS AND ALERT EOR IF LOADS EXCEED THIS LIMIT PRIOR TO PLACEMENT.
6. ELECTRICAL CONDUIT PENETRATION THROUGH EXISTING SLAB ON GRADE PROVIDE 8" THICK CONCRETE LID AS REQUIRED. VAULT CAN BE PRECAST OR CAST IN PLACE.
7. SCAN EXISTING CONCRETE WALL TO LOCATE REINFORCING. COORDINATE CORE LOCATIONS TO AVOID VERTICAL WALL REINFORCING. CORE THROUGH EXISTING WALL TO LEAVE A MINIMUM OF 1/2 DIAMETER CLEAR BETWEEN CORE HOLES FOR SIZE OF HOLES CORED.
8. SUPPORT OF MEP EQUIPMENT. COORDINATE FINAL EQUIPMENT LOCATION, DIMENSIONS, AND WEIGHT WITH MEP DRAWINGS. DESIGN WEIGHT OF EQUIPMENT IS 600 LBS. IF FINAL WEIGHT DIFFERS EOR IS TO BE NOTIFIED. SEE DETAIL C4 / SB513-A
9. SUPPORT OF MEP EQUIPMENT. COORDINATE FINAL EQUIPMENT LOCATION, DIMENSIONS, AND WEIGHT WITH MEP DRAWINGS. DESIGN WEIGHT OF EQUIPMENT IS 1430 LBS. IF FINAL WEIGHT DIFFERS EOR IS TO BE NOTIFIED. SEE DETAIL D3 / SB512-A
10. SUPPORT OF MEP EQUIPMENT. COORDINATE LOCATION, DIMENSIONS, AND WEIGHT WITH MEP DRAWINGS. SEE DETAIL D3 / SB512-A
11. SUPPORT OF MEP EQUIPMENT. COORDINATE FINAL EQUIPMENT LOCATION, DIMENSIONS, AND WEIGHT WITH MEP DRAWINGS. DESIGN WEIGHT OF EQUIPMENT IS 3570 LBS. IF FINAL WEIGHT DIFFERS EOR IS TO BE NOTIFIED. SEE DETAIL D3 / SB512-A
12. CONTRACTOR TO BRACE EXISTING CONCRETE TILT UP WALLS PRIOR TO REMOVING EXISTING CONCRETE SLAB ON GRADE POUR STRIP TO INSTALL NEW COLUMN SUPPORT.

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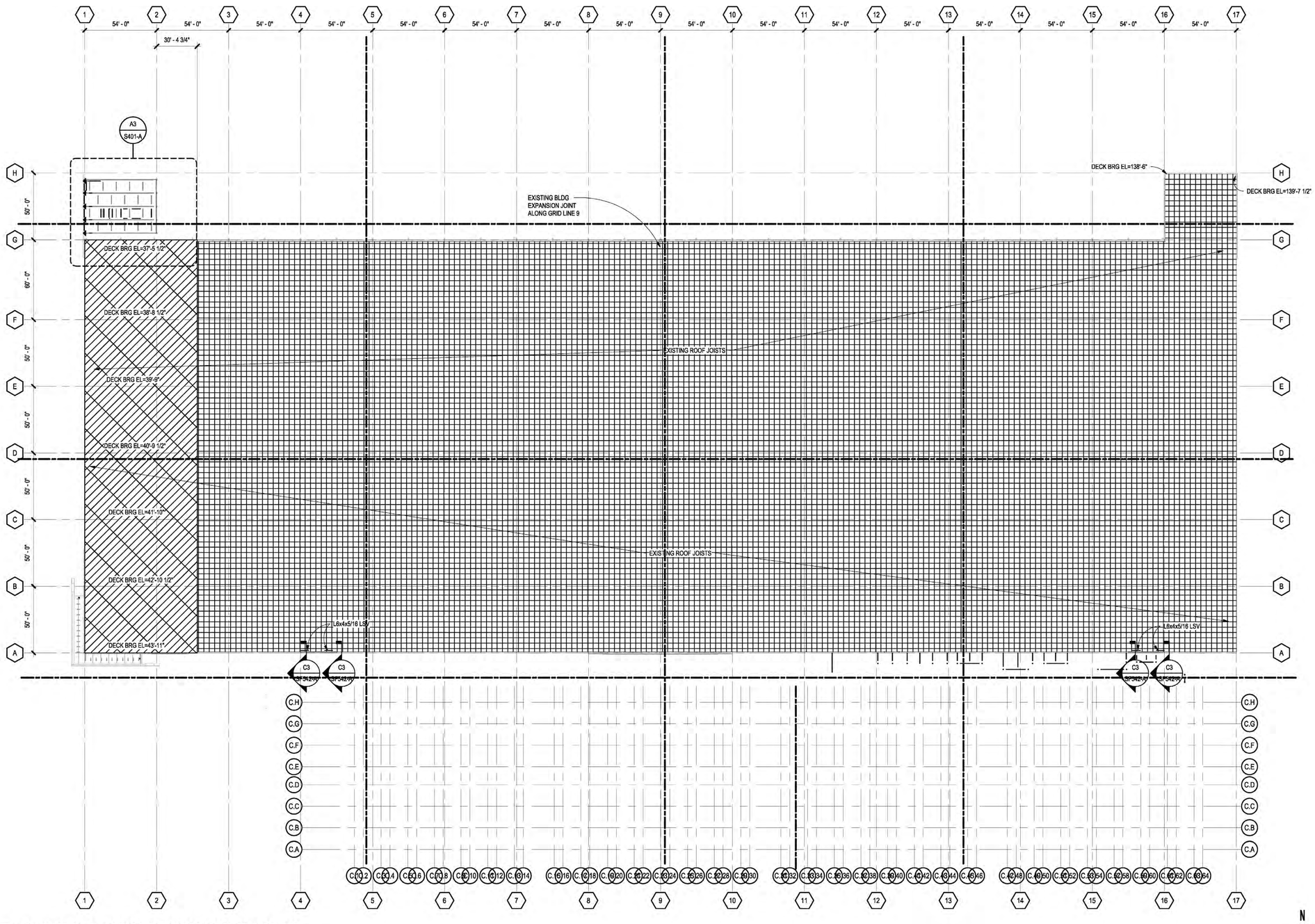
BUILDING 1 HIGH FRAMING PLAN - AREA R

SHEET NUMBER
BLDG1-SB131R-A

A1 BUILDING 1 HIGH FRAMING PLAN - AREA R
SCALE: 1/8" = 1'-0"

N
TRUE NORTH

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A1 **BUILDING 1 - EXISTING ROOF FRAMING PLAN**
SCALE: 1/32" = 1'-0"

ROOF LOAD LEGEND

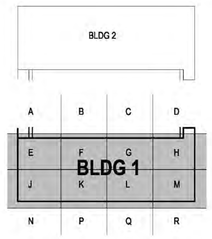
CEILING AND MEP LOADS IN THIS AREA CAN BE SUPPORTED BY EXISTING ROOF JOISTS. NEW LOADING NOT TO EXCEED 6 PSF TOTAL. FIRE SPRINKLER LINES OVER 3" IN DIA AND NOT TO EXCEED 6" IN DIA ARE TO BE SUPPORTED BY 2 EXISTING ROOF JOISTS. ADDITIONAL FRAMING SUPPORTS ADDED WHERE REQUIRED TO SUPPORT HEAVIER MEP EQUIPMENT. SEE PLAN VIEWS FOR ADDITIONAL SUPPORTS.

FIRE SPRINKLER LINES CAN BE SUPPORTED BY EXISTING ROOF JOISTS. NEW LOADING NOT TO EXCEED 6 PSF TOTAL. FIRE SPRINKLER LINES OVER 3" IN DIA AND NOT TO EXCEED 10" IN DIA ARE TO BE SUPPORTED BY 2 EXISTING ROOF JOISTS. ADDITIONAL FRAMING SUPPORTS ADDED WHERE REQUIRED TO SUPPORT HEAVIER MEP EQUIPMENT. SEE PLAN VIEWS FOR ADDITIONAL SUPPORTS.

NOTE: SEE DETAIL B3 / SF742-A FOR CONNECTION INFORMATION TO EXISTING JOIST.

SHEET KEYNOTE

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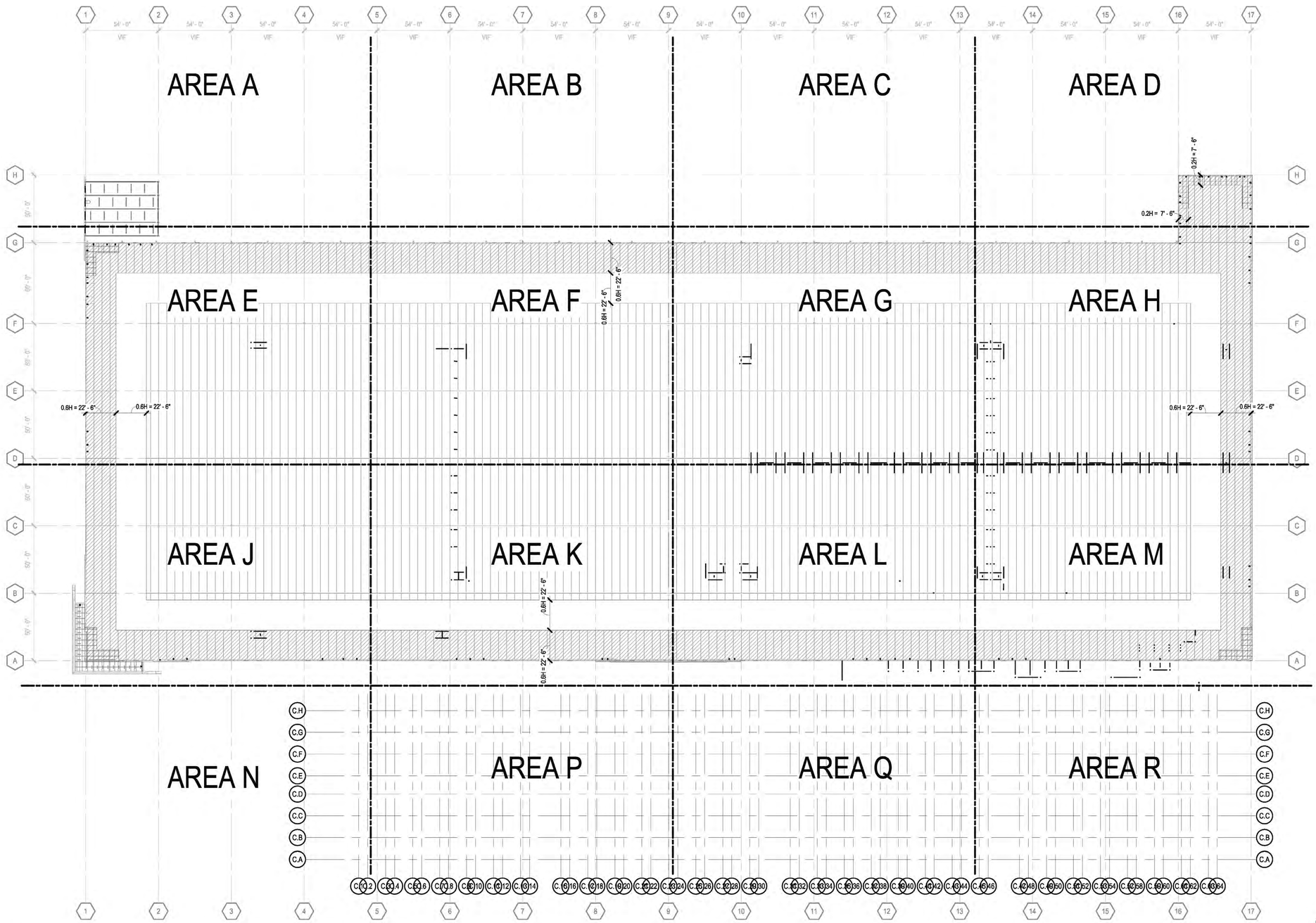
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SHEET TITLE

BUILDING 1 ROOF FRAMING PLAN

SHEET NUMBER
BLDG1-SF140-A

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A1 **BUILDING 1 - OVERALL EXISTING ROOF FRAMING PLAN**
SCALE: 1/32" = 1'-0"

ROOF LOAD LEGEND

ZONE 1 AND 1': NO MODIFICATIONS REQUIRED

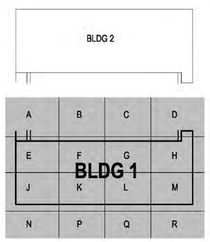
ZONE 2: KEEP EXISTING DECK IN PLACE. PROVIDE ADDITIONAL SUPPORTS AS SHOWN ON PLAN WITH NEW ATTACHMENTS OF DECK TO THESE NEW SUPPORTS. SEE DETAILS ON SHEET BLDG1-S511-A FOR ATTACHMENT OF ANGLE SUPPORTS TO JOISTS AND ATTACHMENT OF DECK TO ANGLE SUPPORTS.

ZONE 3: REMOVE EXISTING DECK AND REPLACE WITH 18 GA, 80 KSI 1.5B DECK (ALTERNATIVELY THE EXISTING DECK MAY BE LEFT IN PLACE WITH THE 18 GA DECK NESTED ON TOP. FASTEN NEW DECK WITH HILTI-X-HSN 24 PINS AND HILTI S-SLC 0.2M HWD PER SIDELAP CONNECTORS, USE 36/5 PERIMETER PATTERN WITH HILTI-X-HSN 24 AND HILT S-SLC 02M HWH SIDE LAP CONNECTORS AT 12" OC.

SEE SECTION A1/S-511-A FOR EXISTING DECK ATTACHMENT TO THE NEW ANGLE SUPPORTS

SHEET KEYNOTE

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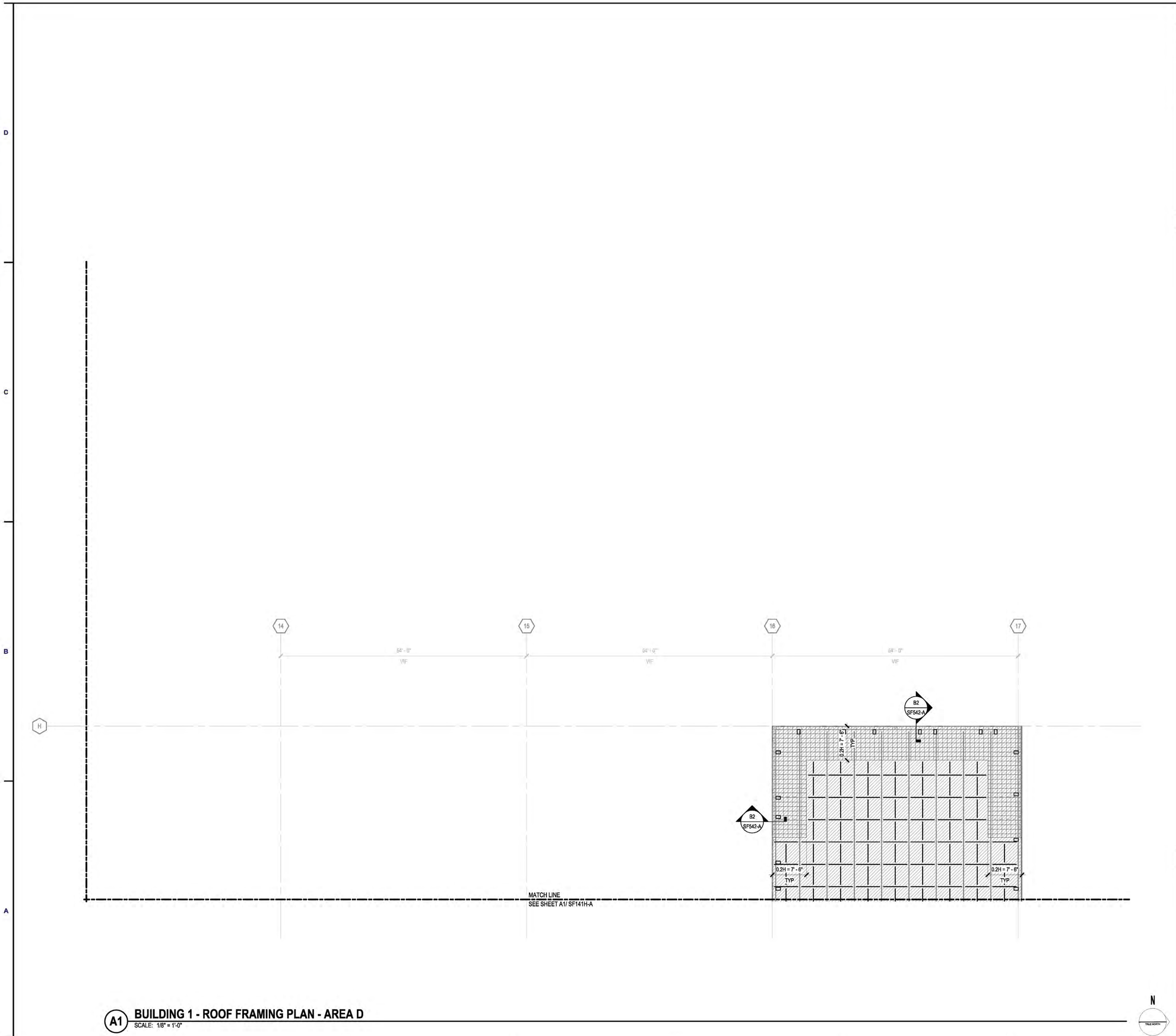
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SHEET TITLE

BUILDING 1 ROOF FRAMING PLAN - FM RETROFIT

SHEET NUMBER
BLDG1-SF141-A

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A1 **BUILDING 1 - ROOF FRAMING PLAN - AREA D**
SCALE: 1/8" = 1'-0"

ROOF LOAD LEGEND

ZONE 1 AND 1': NO MODIFICATIONS REQUIRED

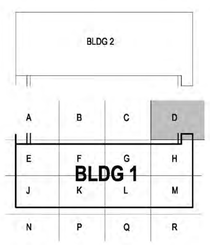
ZONE 2: KEEP EXISTING DECK IN PLACE. PROVIDE ADDITIONAL SUPPORTS AS SHOWN ON PLAN WITH NEW ATTACHMENTS OF DECK TO THESE NEW SUPPORTS. SEE DETAILS ON SHEET BLDG1-S511-A FOR ATTACHMENT OF ANGLE SUPPORTS TO JOISTS AND ATTACHMENT OF DECK TO ANGLE SUPPORTS.

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SEE SECTION A1/S-511-A FOR EXISTING DECK ATTACHMENT TO THE NEW ANGLE SUPPORTS

SHEET KEYNOTE

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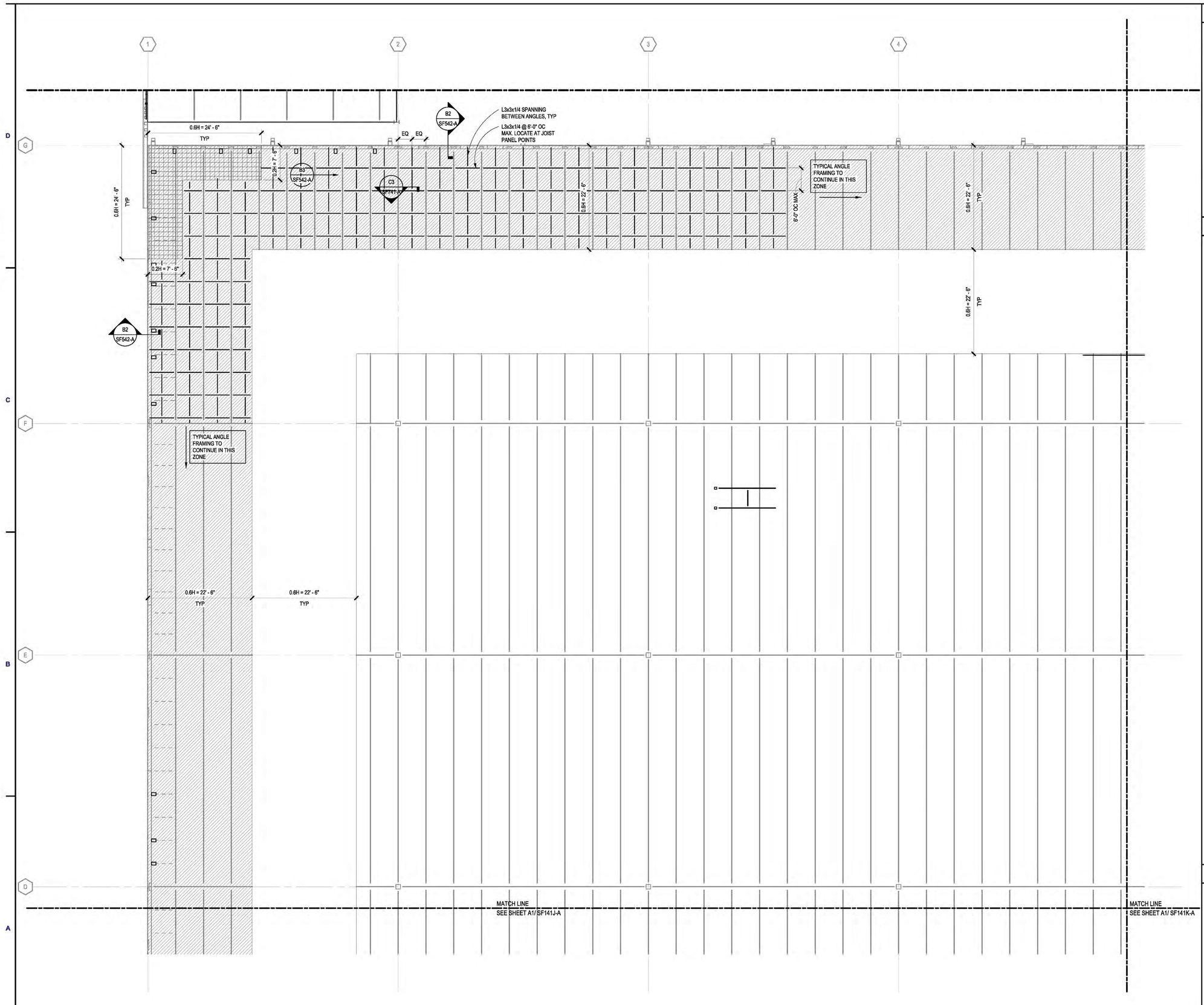
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SHEET TITLE

BUILDING 1 ROOF FRAMING PLAN - AREA D

SHEET NUMBER
BLDG1-SF141D-A

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ROOF LOAD LEGEND

ZONE 1 AND 1': NO MODIFICATIONS REQUIRED

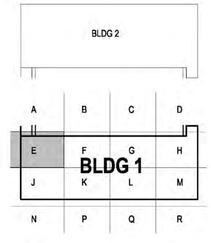
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SEE SECTION A1/S-511-A FOR EXISTING DECK ATTACHMENT TO THE NEW ANGLE SUPPORTS

SHEET KEYNOTE

KEYPLAN



N

A1 BUILDING 1 - ROOF FRAMING PLAN - AREA E

SCALE: 1/8" = 1'-0"

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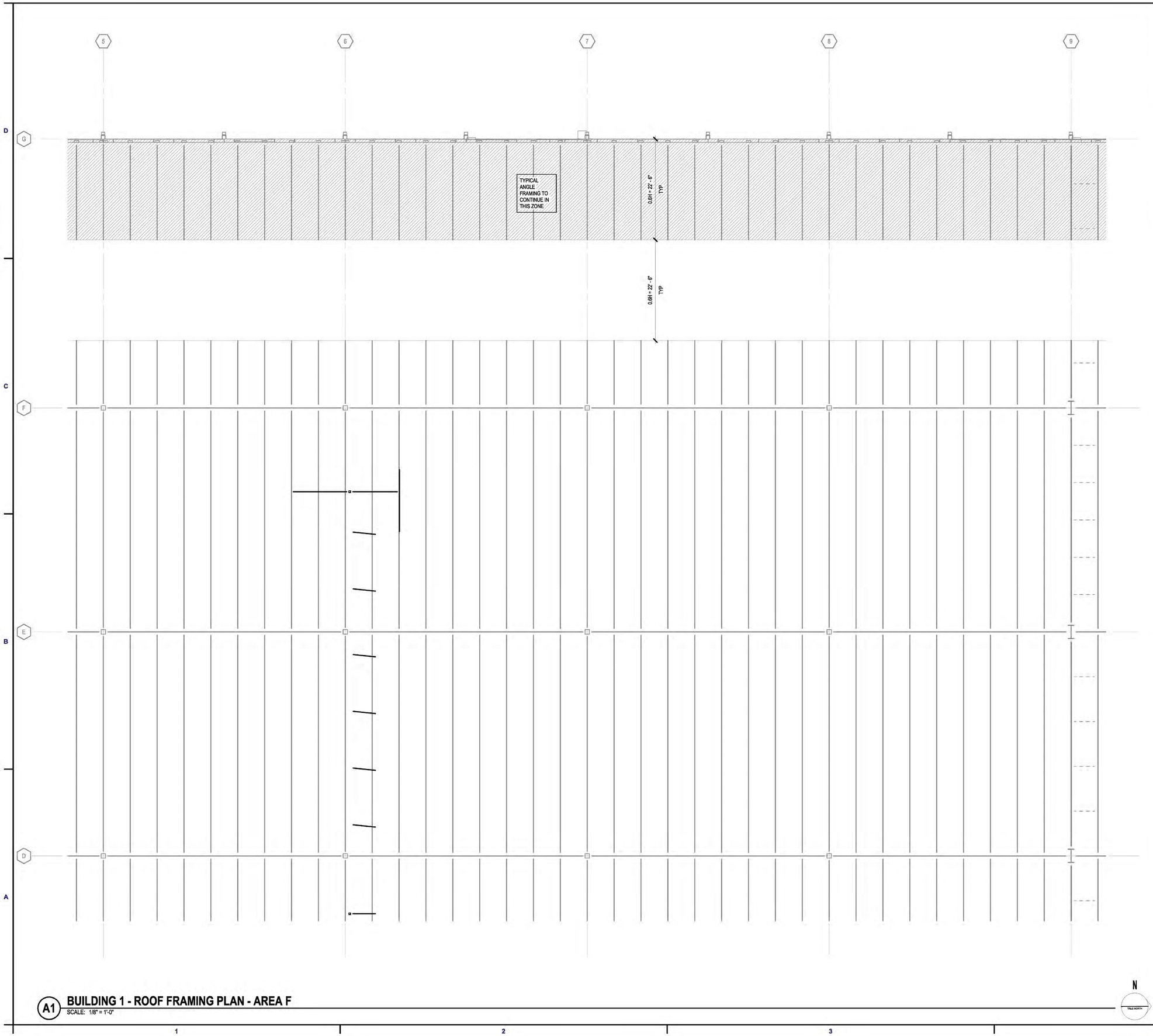
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SHEET TITLE

BUILDING 1 ROOF FRAMING PLAN - AREA E

SHEET NUMBER
BLDG1-SF141E-A

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ROOF LOAD LEGEND

ZONE 1 AND 1': NO MODIFICATIONS REQUIRED

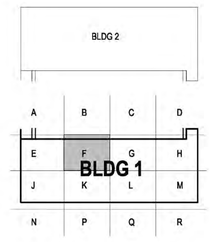
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SEE SECTION A1/S-511-A FOR EXISTING DECK ATTACHMENT TO THE NEW ANGLE SUPPORTS

SHEET KEYNOTE

KEYPLAN



N
TRUE NORTH

A1 BUILDING 1 - ROOF FRAMING PLAN - AREA F
SCALE: 1/8" = 1'-0"

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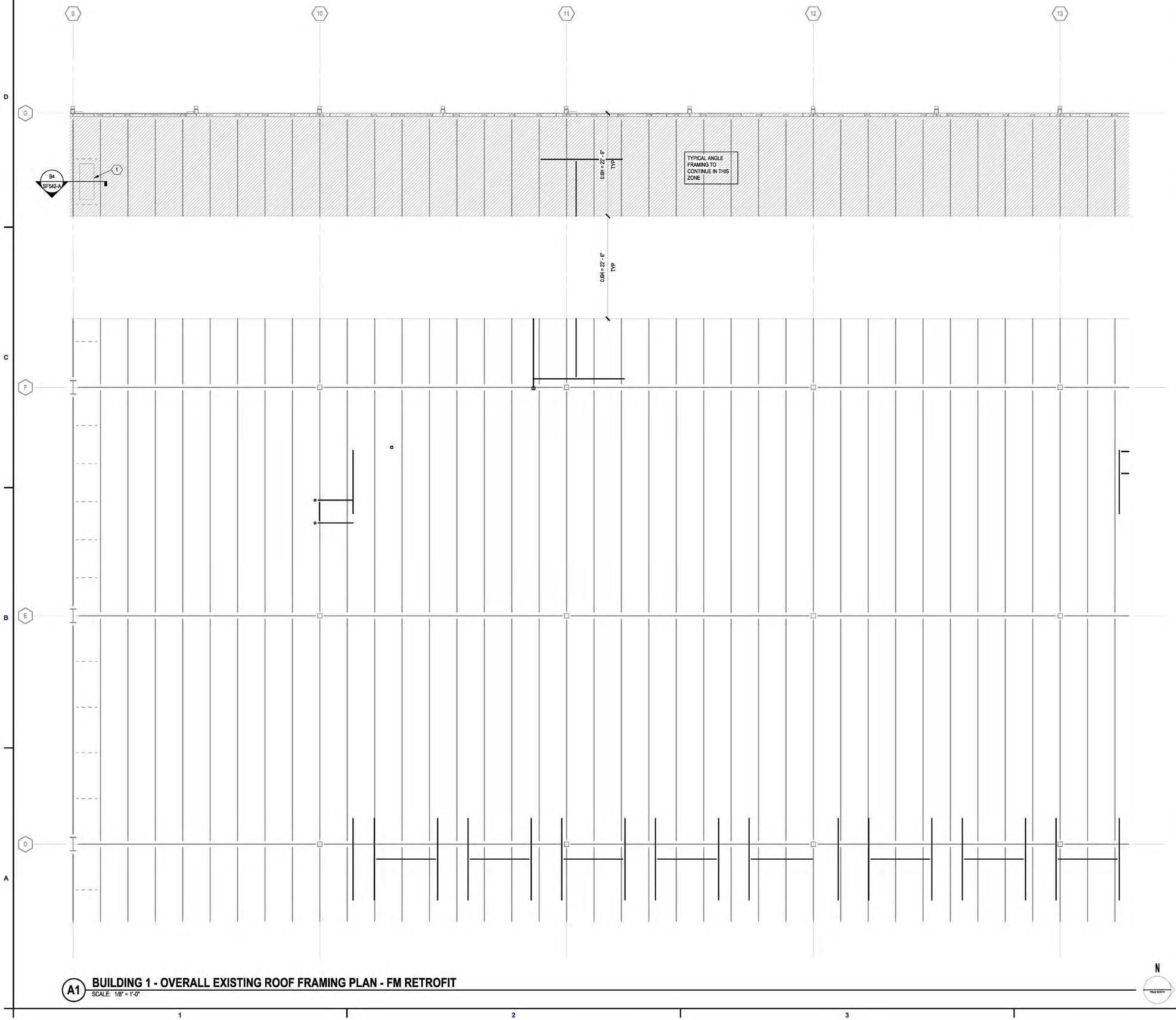
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SHEET TITLE

BUILDING 1 ROOF FRAMING PLAN - AREA F

SHEET NUMBER
BLDG1-SF141F-A

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A1 **BUILDING 1 - OVERALL EXISTING ROOF FRAMING PLAN - FM RETROFIT**
SCALE: 1/8" = 1'-0"

N
TRUE NORTH

ROOF LOAD LEGEND

ZONE 1 AND 1': NO MODIFICATIONS REQUIRED

ZONE 2: KEEP EXISTING DECK IN PLACE. PROVIDE ADDITIONAL SUPPORTS AS SHOWN ON PLAN WITH NEW ATTACHMENTS OF DECK TO THESE NEW SUPPORTS. SEE DETAILS ON SHEET BLDG1-S511-A FOR ATTACHMENT OF ANGLE SUPPORTS TO JOISTS AND ATTACHMENT OF DECK TO ANGLE SUPPORTS.

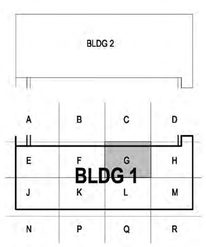
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SEE SECTION A1/S-511-A FOR EXISTING DECK ATTACHMENT TO THE NEW ANGLE SUPPORTS

SHEET KEYNOTE

1. EXISTING MECHANICAL UNIT FIELD VERIFY EXACT LOCATION.

KEYPLAN



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BUILDING 1

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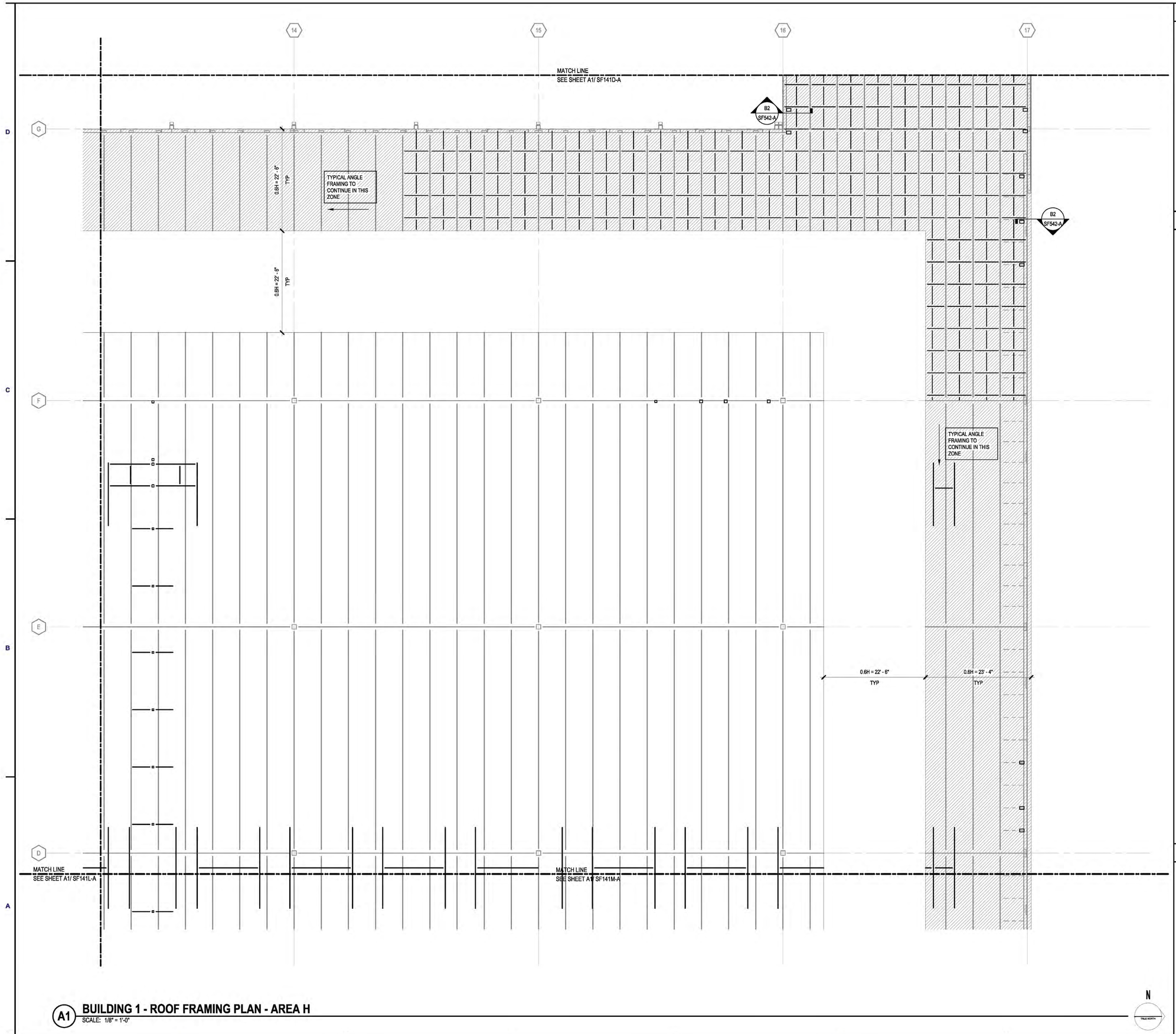
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SHEET TITLE

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ROOF LOAD LEGEND

ZONE 1 AND 1': NO MODIFICATIONS REQUIRED

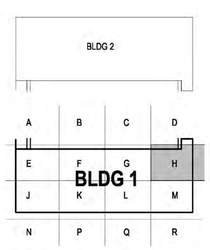
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SEE SECTION A1/S-511-A FOR EXISTING DECK ATTACHMENT TO THE NEW ANGLE SUPPORTS

SHEET KEYNOTE

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BUILDING 1
810 PACE RD.
AUBURNDALE, FL 33823

ISSUE DATE	DESCRIPTION
09/21/2026	REVISED FIT-UP IFP

Δ	DESCRIPTION	DATE

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2540-01309

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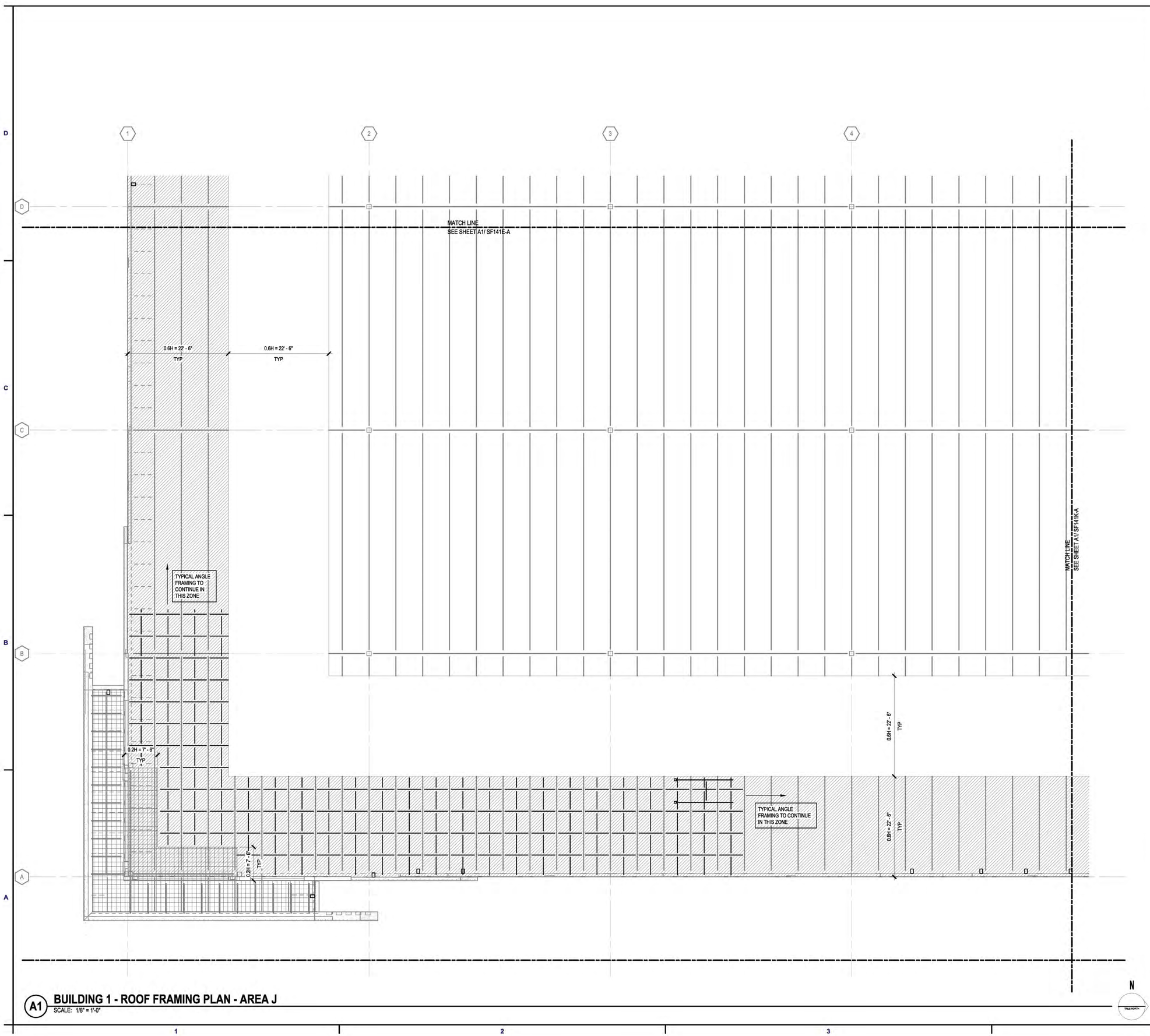
BUILDING 1 ROOF FRAMING PLAN - AREA H

SHEET NUMBER
BLDG1-SF141H-A

A1 BUILDING 1 - ROOF FRAMING PLAN - AREA H
SCALE: 1/8" = 1'-0"

N
TRUE NORTH

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A1 **BUILDING 1 - ROOF FRAMING PLAN - AREA J**
SCALE: 1/8" = 1'-0"

ROOF LOAD LEGEND

ZONE 1 AND 1': NO MODIFICATIONS REQUIRED

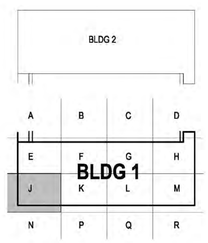
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SEE SECTION A1/S-511-A FOR EXISTING DECK ATTACHMENT TO THE NEW ANGLE SUPPORTS

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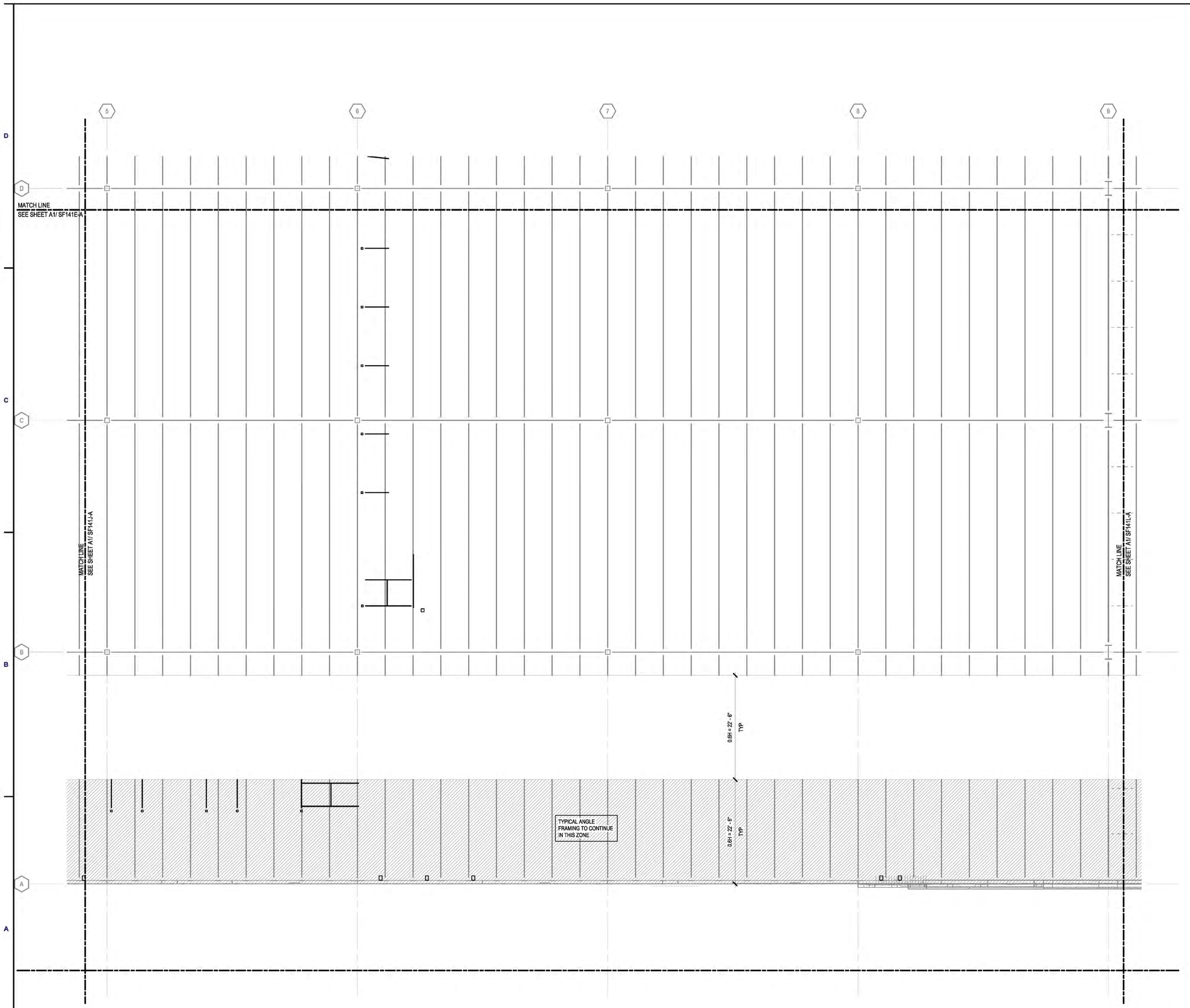
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SHEET TITLE

BUILDING 1 ROOF FRAMING PLAN - AREA J

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ROOF LOAD LEGEND

ZONE 1 AND 1': NO MODIFICATIONS REQUIRED

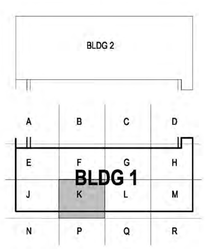
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SEE SECTION A1/S-511-A FOR EXISTING DECK ATTACHMENT TO THE NEW ANGLE SUPPORTS

SHEET KEYNOTE

KEYPLAN



A1 **BUILDING 1 - ROOF FRAMING PLAN - AREA K**
SCALE: 1/8" = 1'-0"

N
TRUE NORTH

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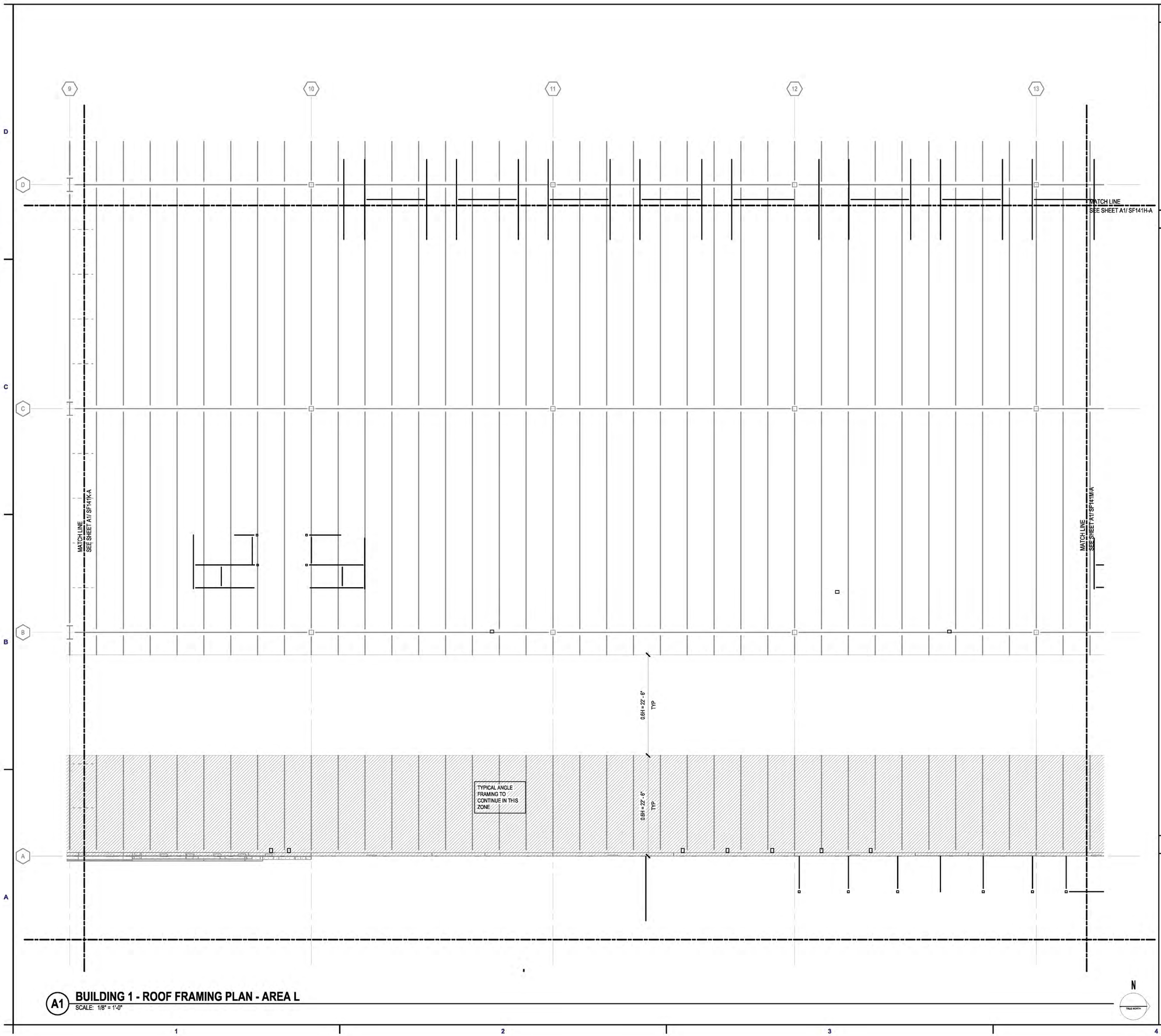
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SHEET TITLE

BUILDING 1 ROOF FRAMING PLAN - AREA K

SHEET NUMBER
BLDG1-SF141K-A

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A1 **BUILDING 1 - ROOF FRAMING PLAN - AREA L**
SCALE: 1/8" = 1'-0"

N
TRUE NORTH

ROOF LOAD LEGEND

ZONE 1 AND 1': NO MODIFICATIONS REQUIRED

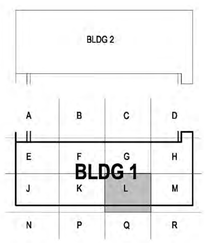
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SEE SECTION A1/S-511-A FOR EXISTING DECK ATTACHMENT TO THE NEW ANGLE SUPPORTS

SHEET KEYNOTE

KEYPLAN



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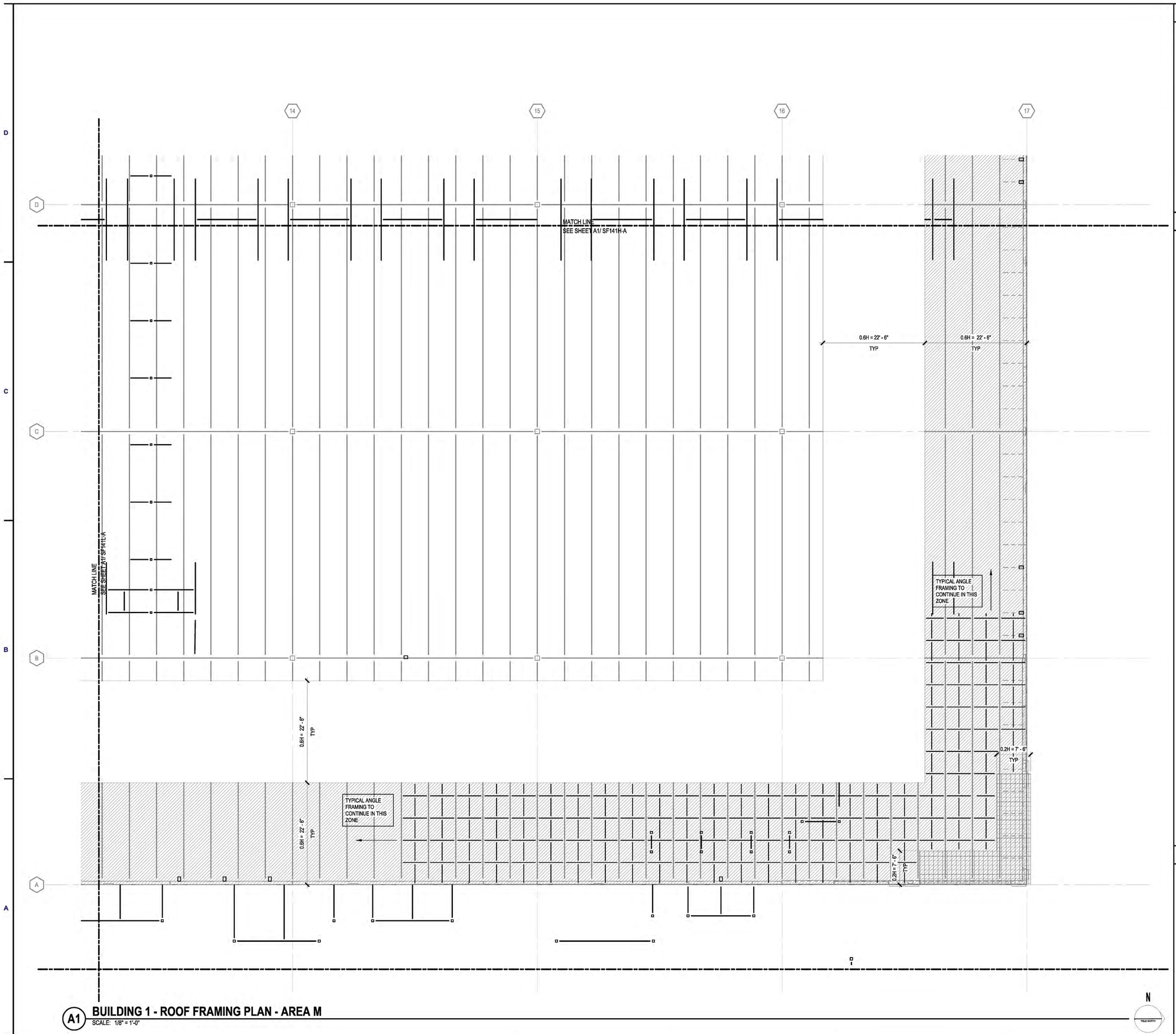
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SHEET TITLE

BUILDING 1 ROOF FRAMING PLAN - AREA L

SHEET NUMBER
BLDG1-SF141L-A

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A1 **BUILDING 1 - ROOF FRAMING PLAN - AREA M**
SCALE: 1/8" = 1'-0"

N
TRUE NORTH

ROOF LOAD LEGEND

ZONE 1 AND 1': NO MODIFICATIONS REQUIRED

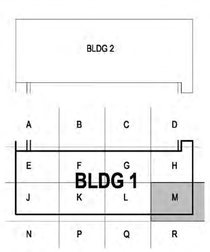
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SHEET KEYNOTE

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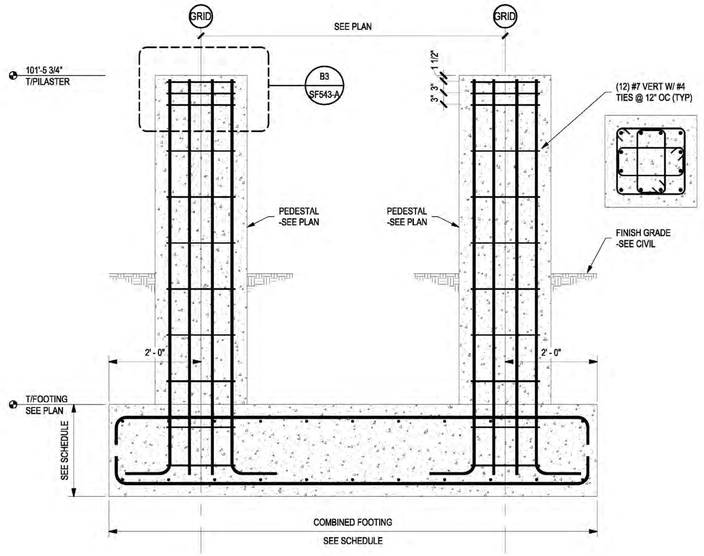
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SHEET TITLE

BUILDING 1 ROOF FRAMING PLAN - AREA M

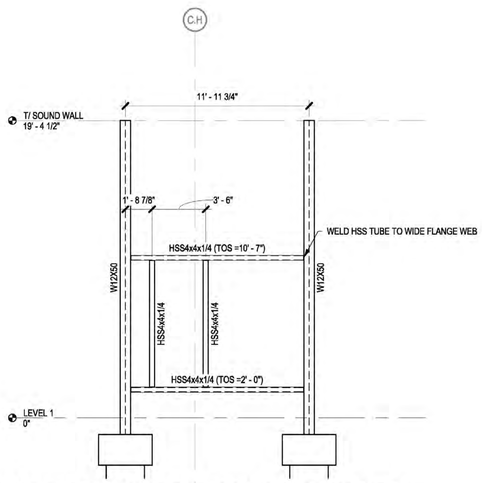
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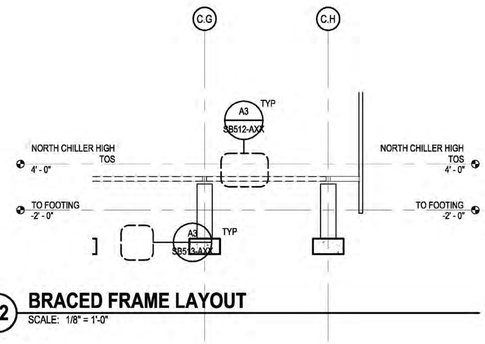
C3 COMBINED FOOTING DETAIL AT PLATFORM

SCALE: 3/4" = 1'-0"



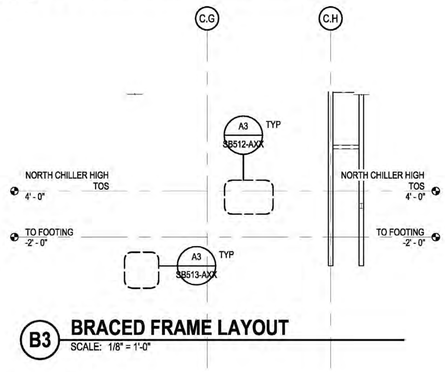
A1 STEEL FRAMING FOR DOOR AT SOUND WALL

SCALE: 1/4" = 1'-0"



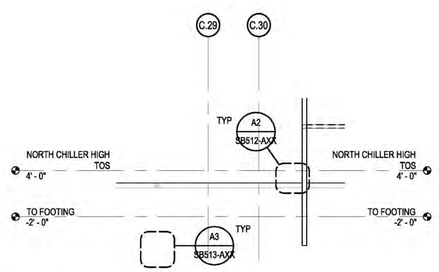
B2 BRACED FRAME LAYOUT

SCALE: 1/8" = 1'-0"



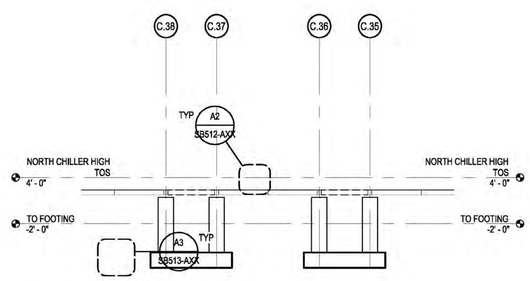
B3 BRACED FRAME LAYOUT

SCALE: 1/8" = 1'-0"



A2 BRACED FRAME LAYOUT

SCALE: 1/8" = 1'-0"



A3 BRACED FRAME LAYOUT

SCALE: 1/8" = 1'-0"

GENERAL SHEET NOTES

SHEET KEYNOTE

1. WELDED SERRATED STEEL BAR GRATING SHALL CONSIST OF 2"x3/16" BEARING BARS AT 1 3/16" ON CENTER AND CROSS BARS AT 4" ON CENTER. FASTENING OF STEEL GRATING SHALL BE MADE USING SADDLE CLIPS WITH SELF DRILLING FASTENERS. THE NUMBER AND SPACING OF FASTENERS SHALL BE AS RECOMMENDED BY THE GRATING MANUFACTURER. CUT AND FIT THE GRATING AROUND ALL ELEMENTS PROTRUDING THROUGH THE GRATING
2. STEEL LADDER SEE DEFERRED DESIGN CRITERIA ON S-001.
3. STEEL SUPPLIER SHALL PROVIDE GUARDRAIL THAT MEETS ALL OSHA AND CODE REQUIREMENTS; SEE C1 / SB512-AXX FOR MORE INFORMATION
4. LL4x4x3/8 DIAPHRAGM BRACING AT DASHED LINES.
5. REFER TO DETAILS D1 / SB512-AXXB4 / SB513-AXXOR HORIZONTAL SLIP CONNECTION AS REQUIRED AT THE INDICATED COLUMN LINE.
6. PROVIDE CAP PL AT TOP OF ALL WF COLUMNS PER DETAIL C4 / SB512-AXX
7. PIPING ATTACHED TO STRUCTURE BY OTHERS. PLATFORM IS DESIGNED FOR ADDED WEIGHT OF 202 PLF PIPE SELF WEIGHT PER PIPE.

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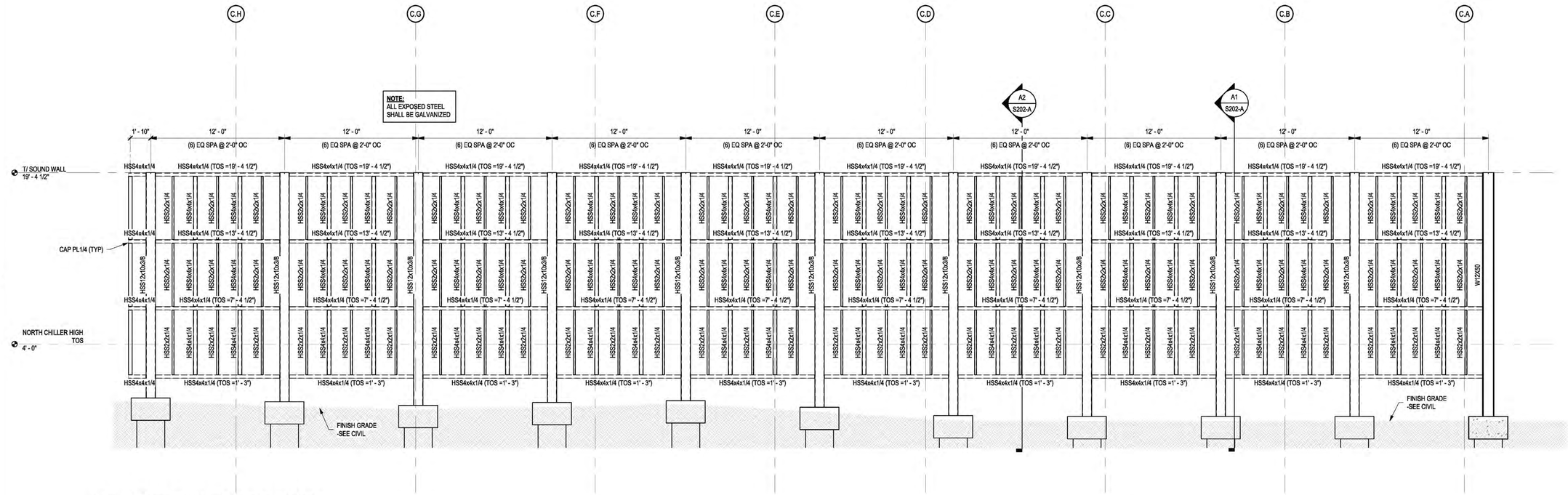
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ENLARGED EQUIPMENT PLATFORM FRAMING PLAN

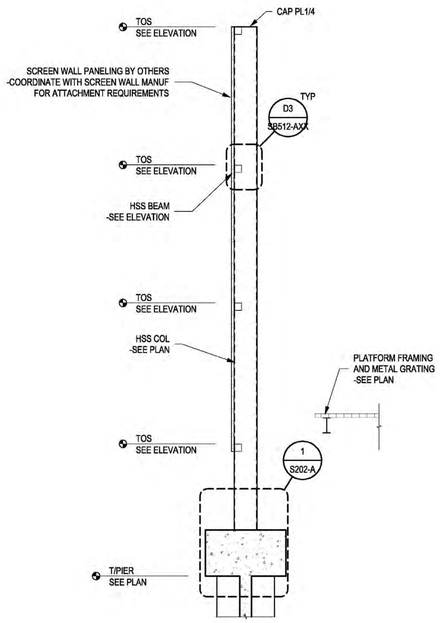
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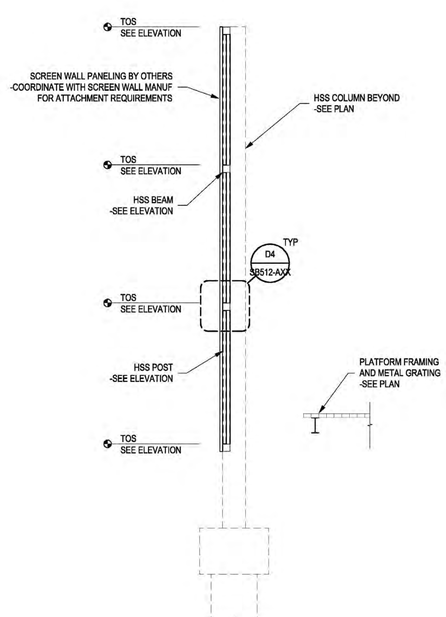
D1 SCREENWALL FRAME LAYOUT

SCALE: 1/4" = 1'-0"



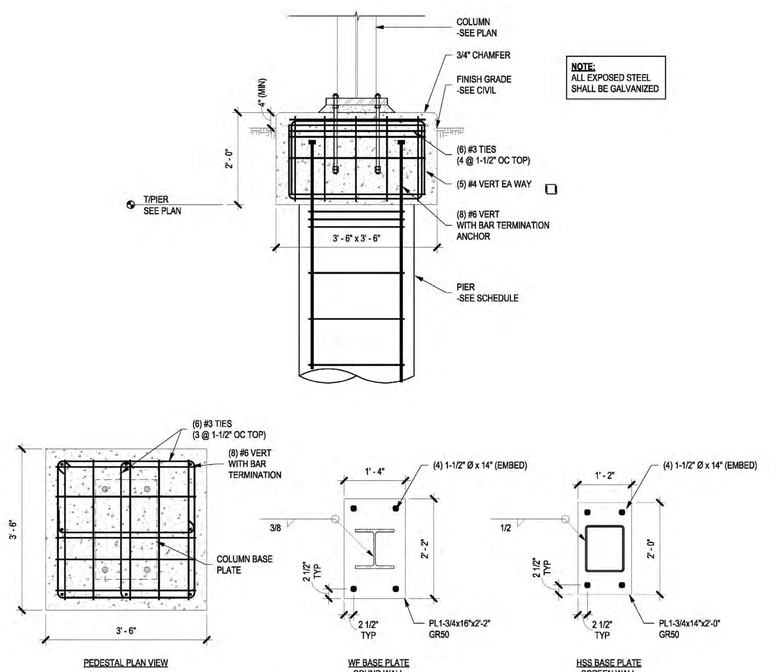
A1 FRAME SECTION AT COLUMN

SCALE: 3/8" = 1'-0"



A2 FRAME SECTION BETWEEN COLUMN

SCALE: 3/8" = 1'-0"



1 CANTILEVER COLUMN FOUNDATION DETAIL

SCALE: 3/4" = 1'-0"

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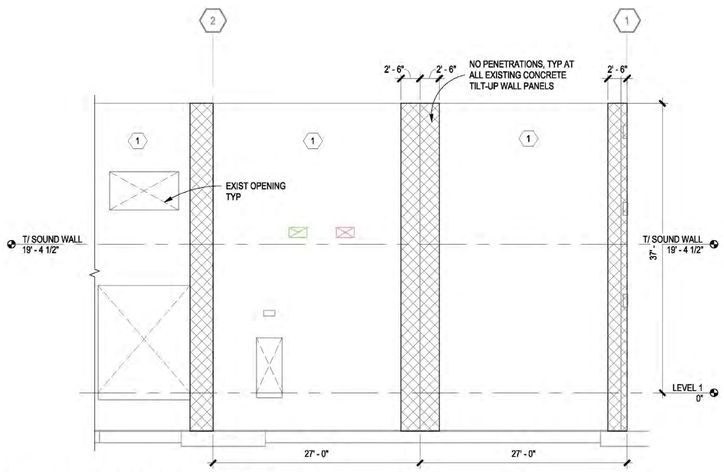
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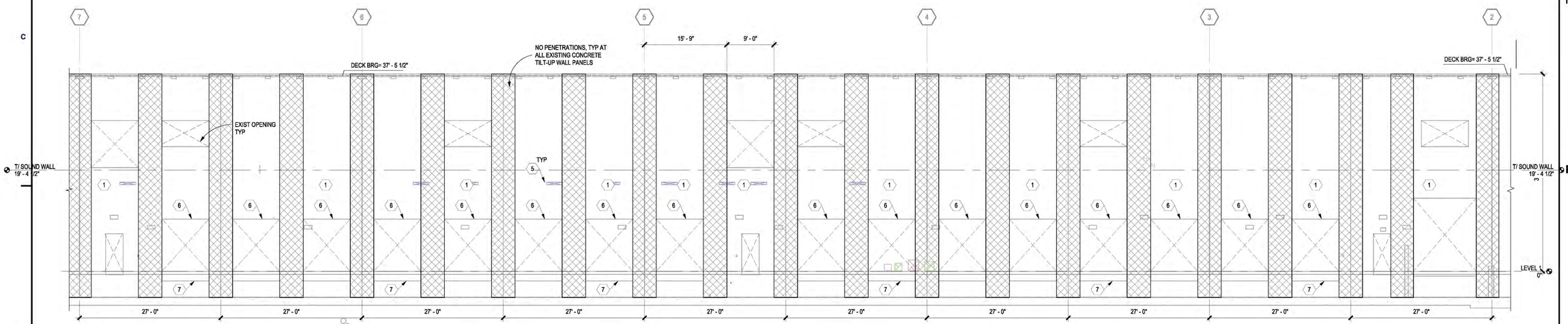
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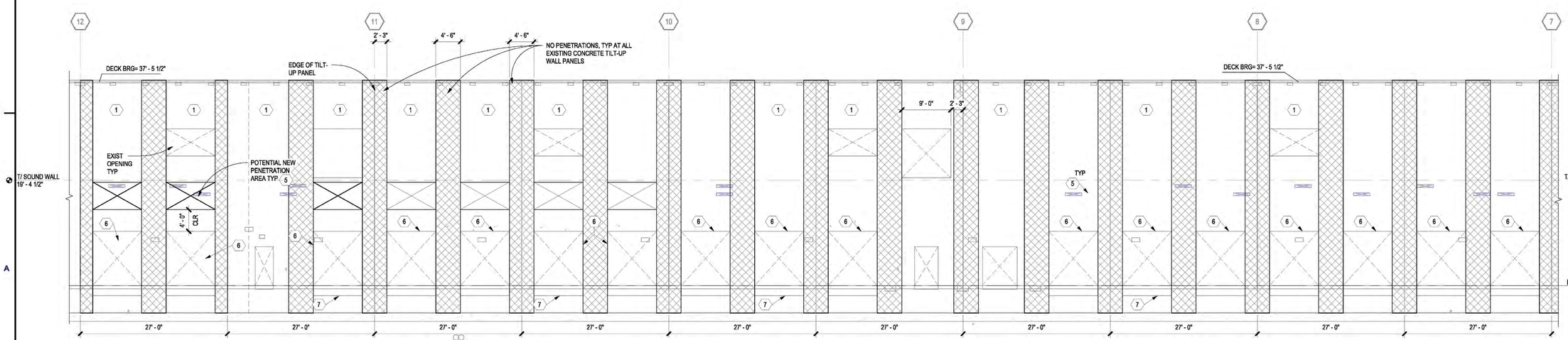
C1 WEST WALL ELEVATION

SCALE: 1/8" = 1'-0"



B1 WEST WALL ELEVATION

SCALE: 1/8" = 1'-0"



A1 WEST WALL ELEVATION

SCALE: 1/8" = 1'-0"

SHEET KEYNOTE

1. EXISTING 9 1/4" 4,000 PSI TILT-UP CONCRETE WALL PANEL.
2. EXISTING 11 1/4" 6,000 PSI TILT-UP CONCRETE WALL PANEL.
3. EXISTING 10 1/2" 6,000 PSI TILT-UP CONCRETE WALL PANEL.
4. EXISTING 8" 6,000 PSI TILT-UP CONCRETE WALL PANEL.
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6. EXISTING OVERHEAD DOOR OPENING IN EXISTING TILT UP CONCRETE WALL TO BE INFILLED. SEE ARCHITECTURAL DRAWINGS AND FIELD VERIFY FOR EXACT LOCATION AND ADDITIONAL INFORMATION. SEE DETAIL B3 / SB511-A .
7. EXISTING DOCK LEVELER PIT TO BE INFILLED. SEE ARCHITECTURAL DRAWINGS AND FIELD VERIFY FOR EXACT LOCATION AND ADDITIONAL INFORMATION. SEE DETAIL A2 / SB511-A .

GENERAL SHEET NOTES

Salas O'Brien
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Seattle, TN 37204

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NATHAN B. MEINERT LICENSE NO. 77919 PROFESSIONAL ENGINEER STATE OF FLORIDA
EXP:02/28/2027
09/21/2026

NUCLEI

PROJECT SUNSHINE

BUILDING 1

810 PACE RD,
AUBURNDALE, FL 33823

ISSUE DATE	DESCRIPTION
09/21/2026	REVISED FIT-UP IFP

DESCRIPTION	DATE

ISSUE:

PROJ NO
2540-01309

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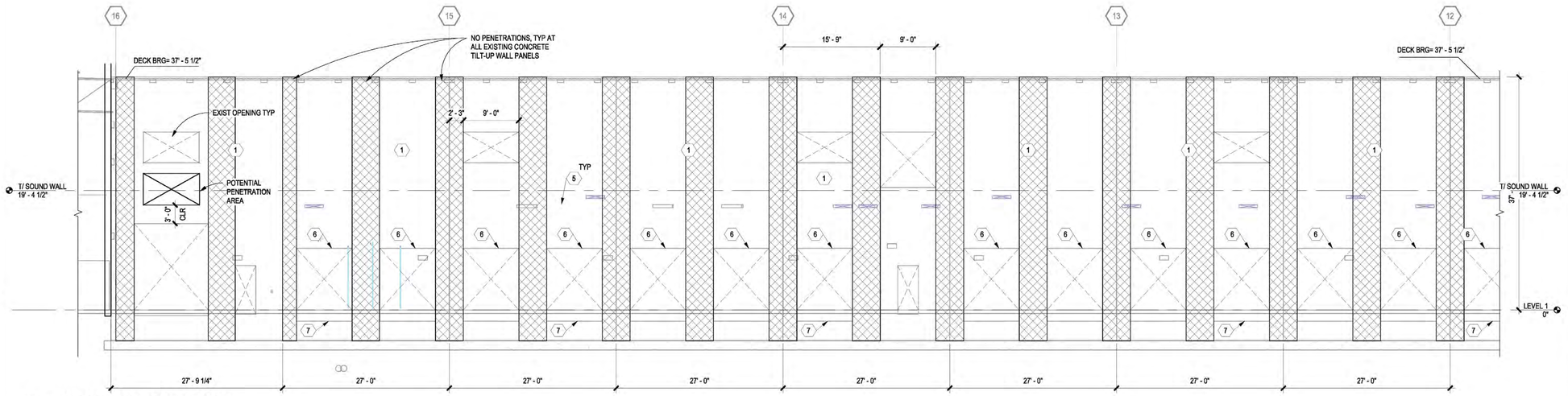
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EXISTING BUILDING 1 ELEVATIONS

SHEET NUMBER

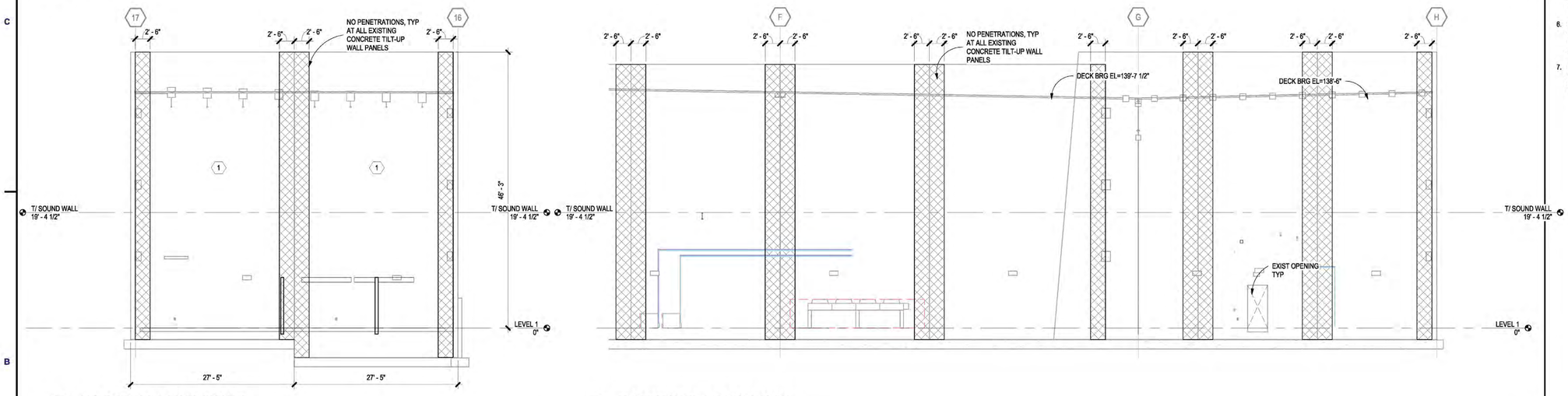
BLDG1-S203-A

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C1 WEST WALL ELEVATION

SCALE: 1/8" = 1'-0"

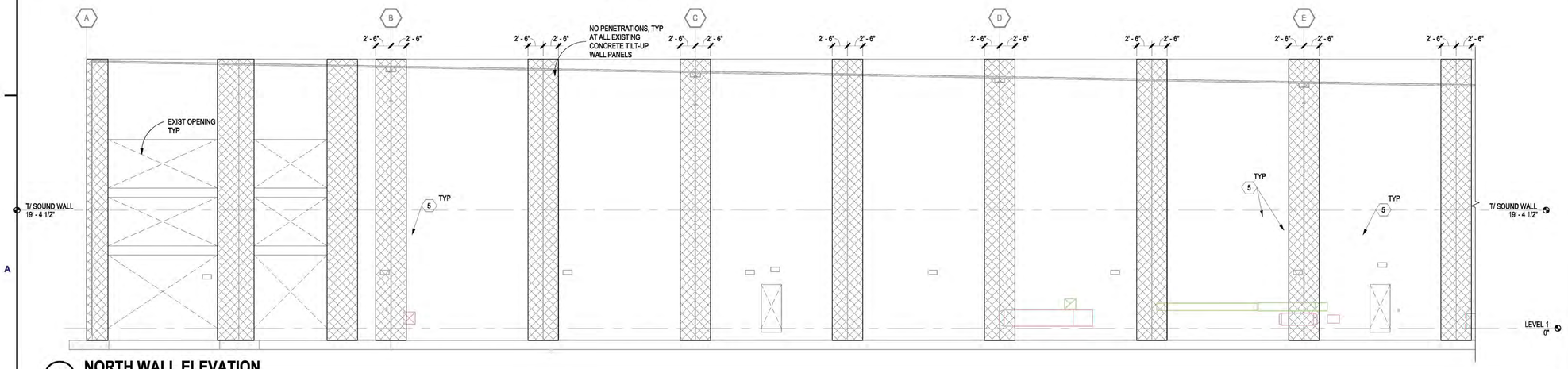


B1 WEST WALL ELEVATION

SCALE: 1/8" = 1'-0"

B2 NORTH WALL ELEVATION

SCALE: 1/8" = 1'-0"



A1 NORTH WALL ELEVATION

SCALE: 1/8" = 1'-0"

GENERAL SHEET NOTES

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09/21/2026

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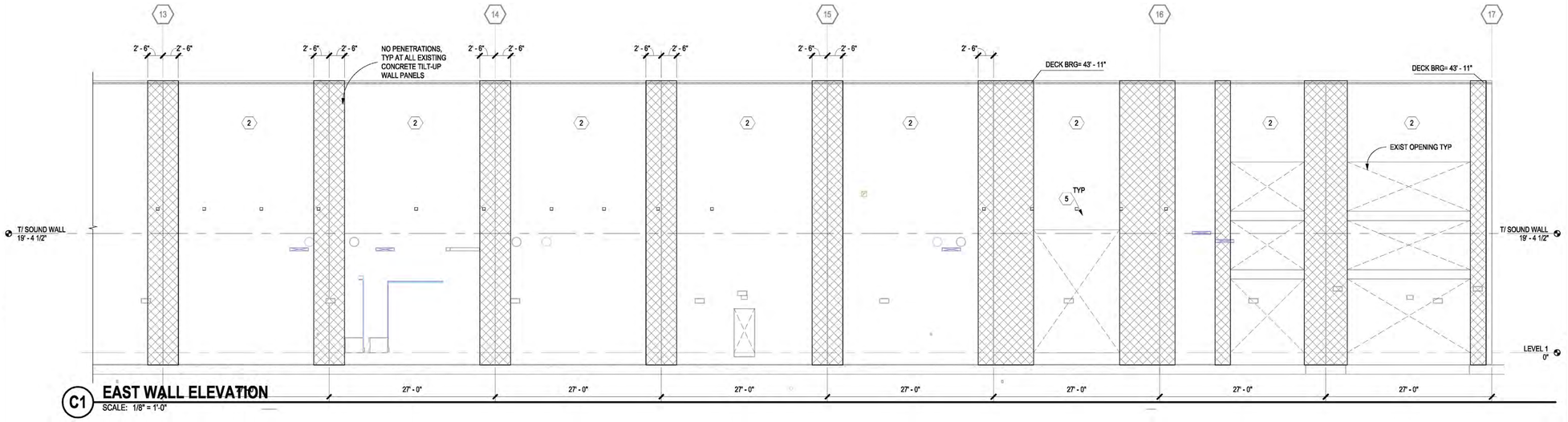
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EXISTING BUILDING 1 ELEVATIONS

SHEET NUMBER

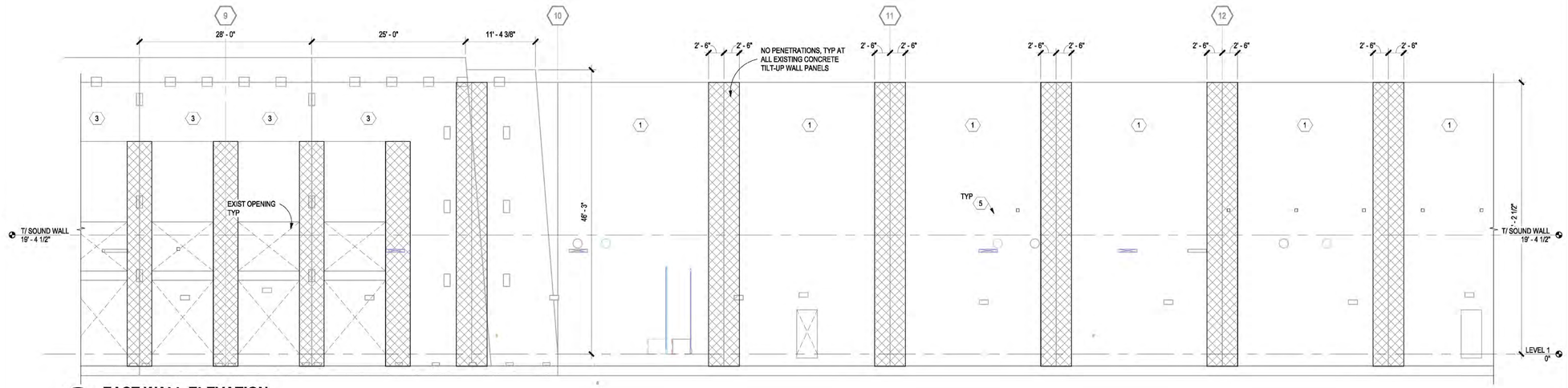
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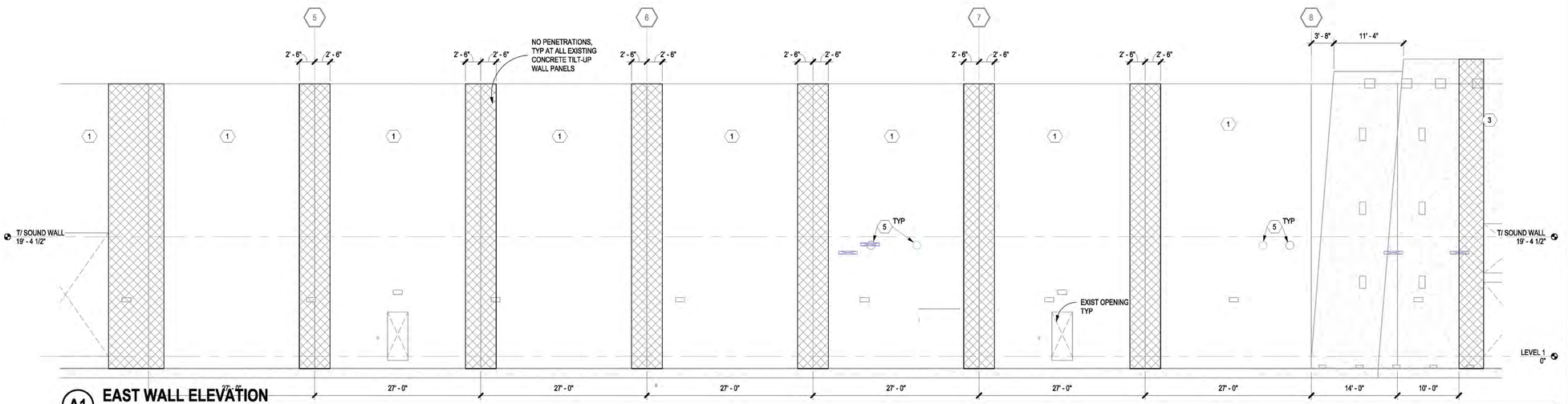
C1 EAST WALL ELEVATION

SCALE: 1/8" = 1'-0"



B1 EAST WALL ELEVATION

SCALE: 1/8" = 1'-0"



A1 EAST WALL ELEVATION

SCALE: 1/8" = 1'-0"

GENERAL SHEET NOTES

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09/21/2026

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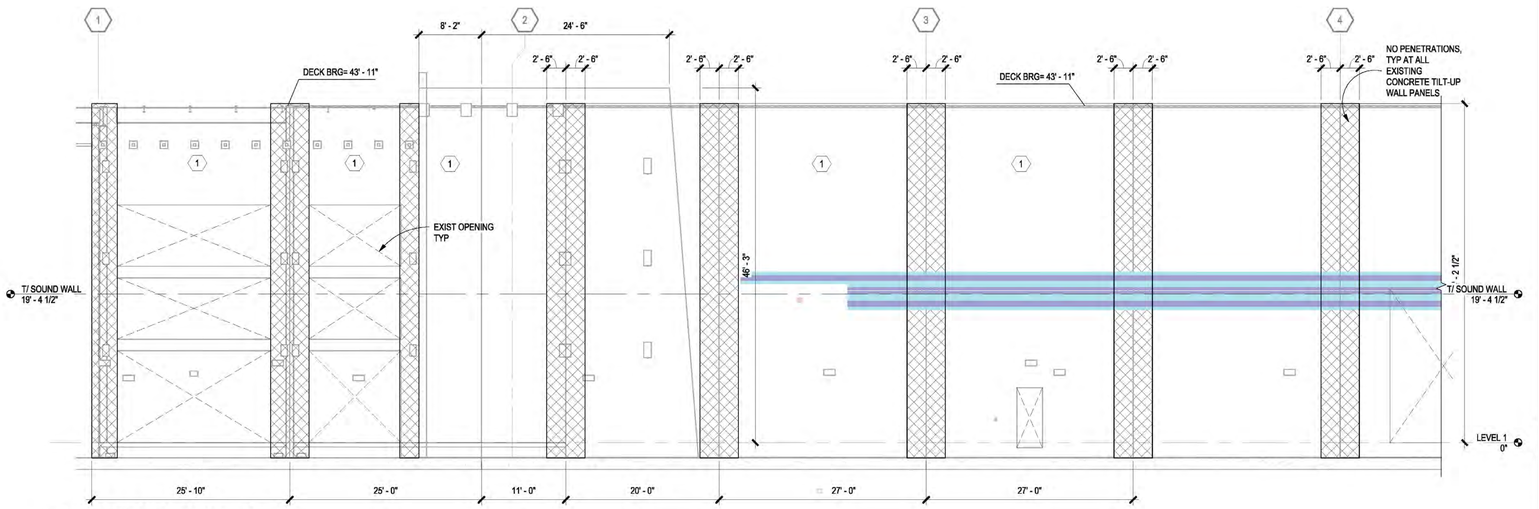
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EXISTING BUILDING 1 ELEVATIONS

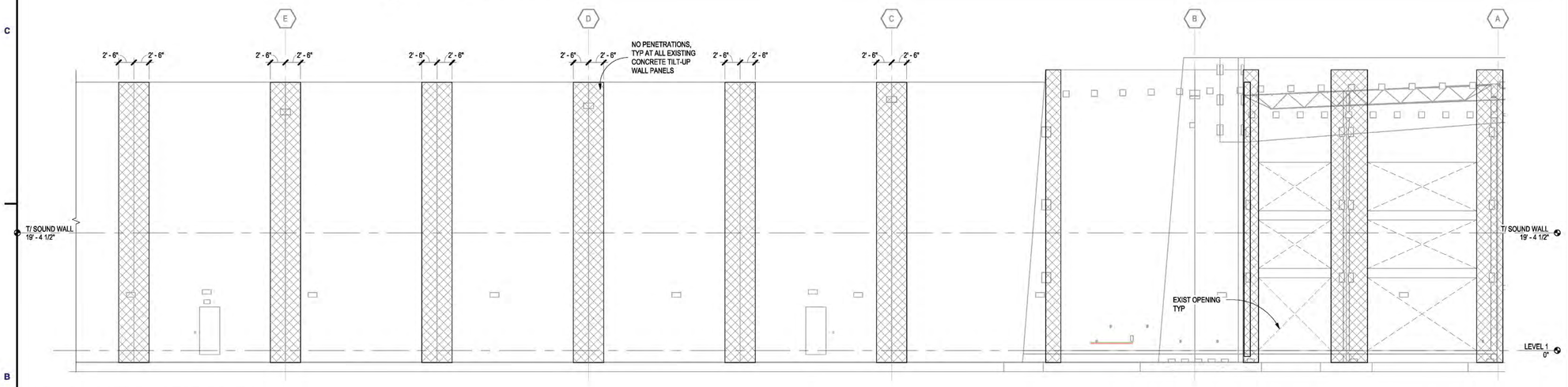
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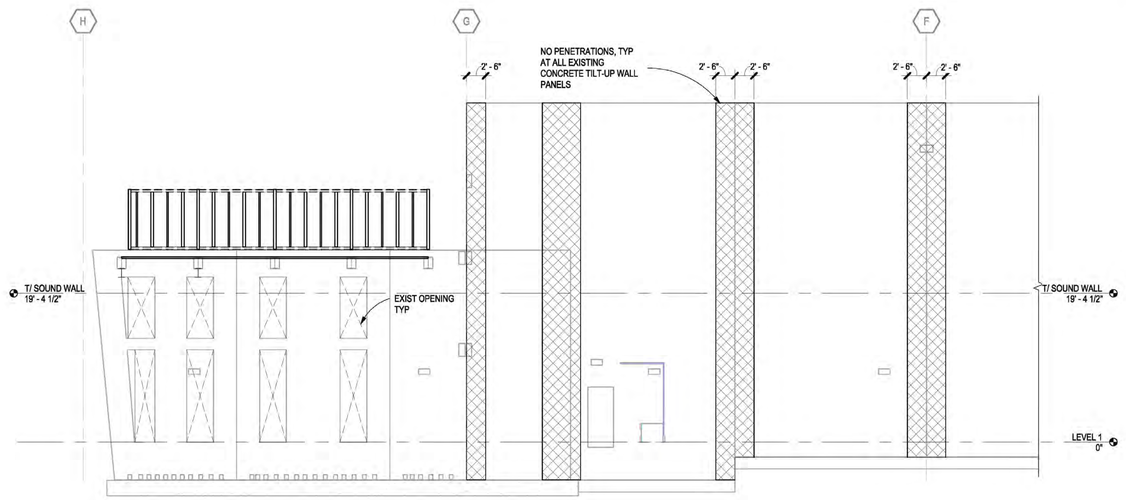
C2 EAST WALL ELEVATION

SCALE: 1/8" = 1'-0"



B1 SOUTH WALL ELEVATION

SCALE: 1/8" = 1'-0"



A2 SOUTH WALL ELEVATION

SCALE: 1/8" = 1'-0"

GENERAL SHEET NOTES

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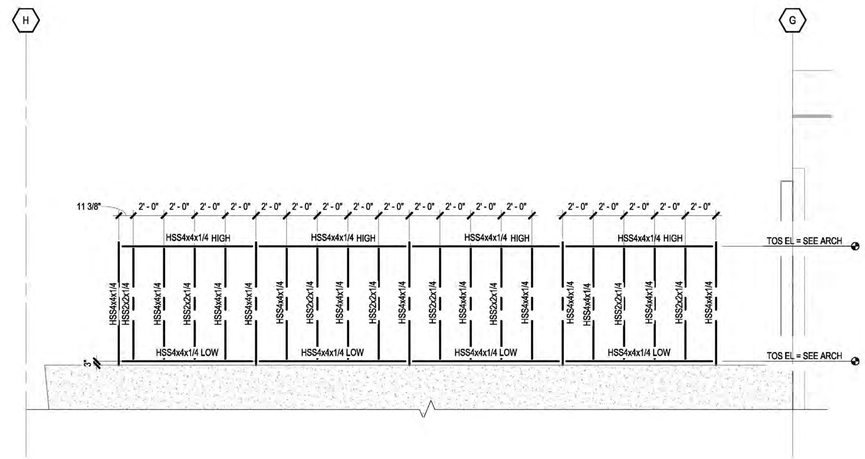
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SHEET TITLE

EXISTING BUILDING 1 ELEVATIONS

SHEET NUMBER
BLDG1-S206-A

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A3 **SCREEN WALL ELEVATION**
SCALE: 1/4" = 1'-0"

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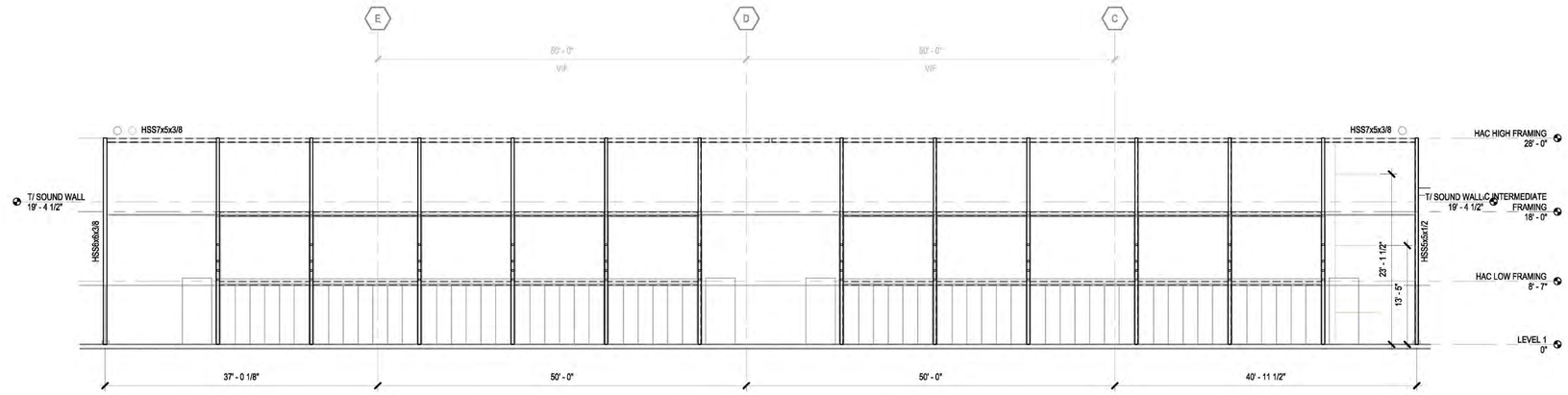
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SHEET TITLE

EXISTING BUILDING 1 ELEVATIONS

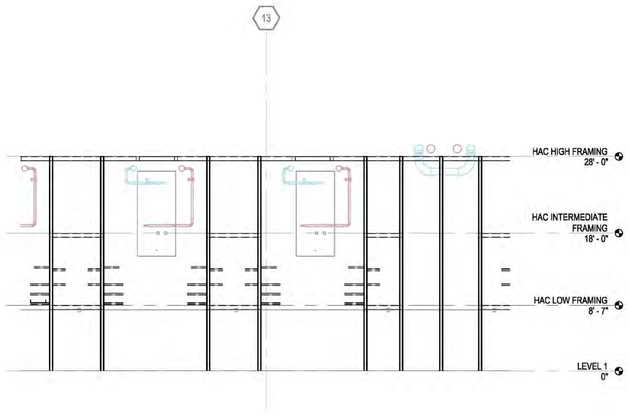
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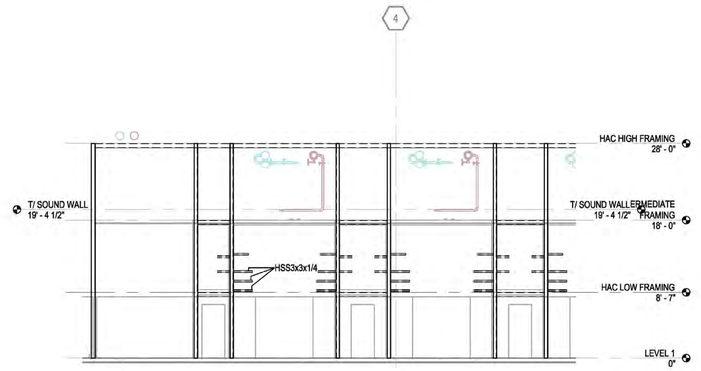
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C1 FRAMING ELEVATION - HAC

SCALE: 1/8" = 1'-0"



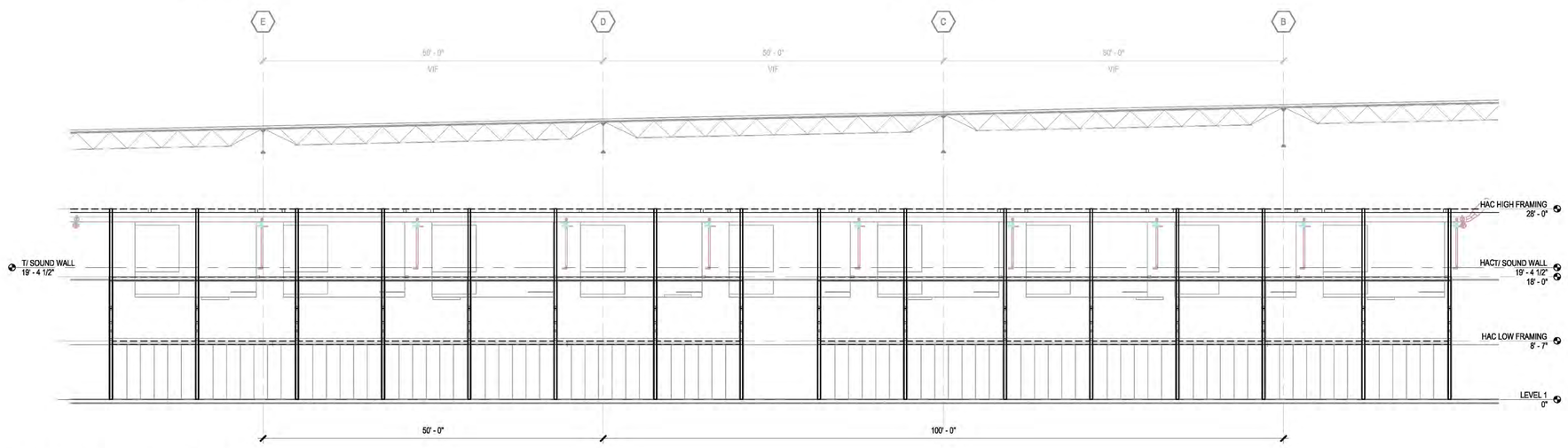


B2 FRAMING ELEVATION - HAC

SCALE: 1/8" = 1'-0"

B3 FRAMING ELEVATION - HAC

SCALE: 1/8" = 1'-0"



A1 FRAMING ELEVATION - HAC

SCALE: 1/8" = 1'-0"

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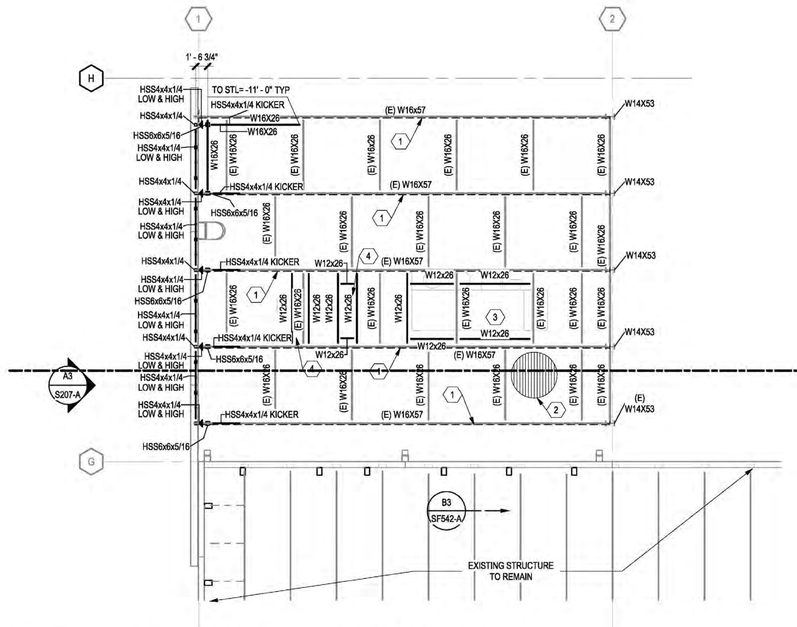
FRAMING ELEVATIONS

SHEET NUMBER

BLDG1-S208-A

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A3 BUILDING 1 - ENLARGED EXISTING ROOF FRAMING PLAN

SCALE: 1/8" = 1'-0"

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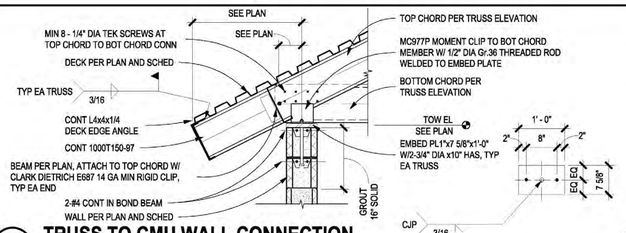
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ENLARGED ROOF PLAN

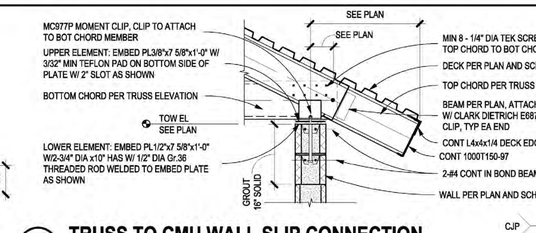
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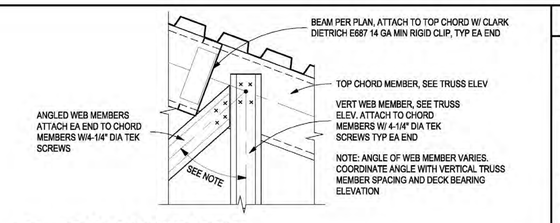
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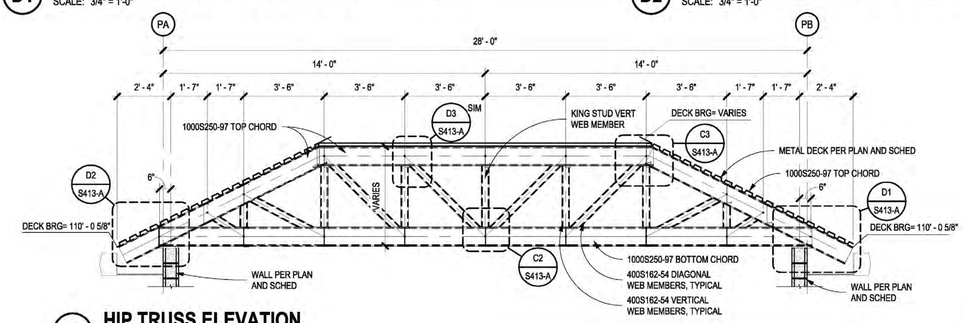
D1 TRUSS TO CMU WALL CONNECTION
SCALE: 3/4" = 1'-0"



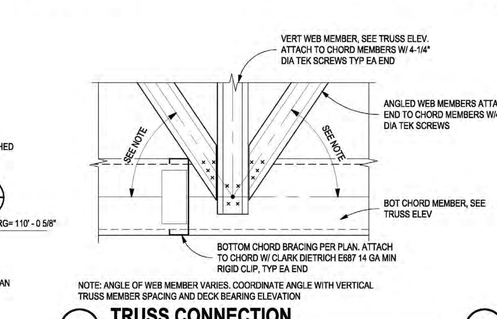
D2 TRUSS TO CMU WALL SLIP CONNECTION
SCALE: 3/4" = 1'-0"



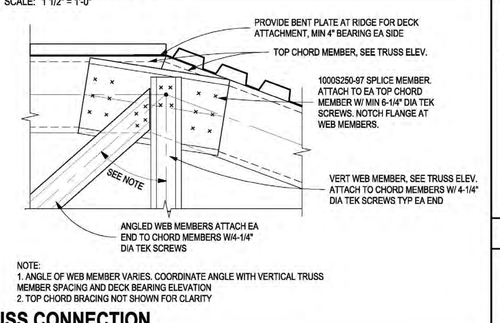
D3 TRUSS CONNECTION
SCALE: 1 1/2" = 1'-0"



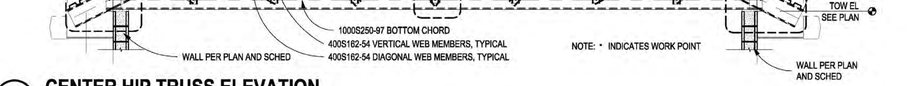
C1 HIP TRUSS ELEVATION
SCALE: 3/8" = 1'-0"



C2 TRUSS CONNECTION
SCALE: 1 1/2" = 1'-0"

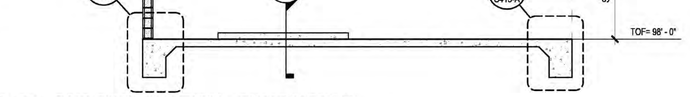


C3 TRUSS CONNECTION
SCALE: 1 1/2" = 1'-0"

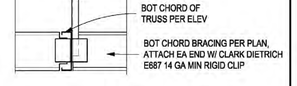


B1 CENTER HIP TRUSS ELEVATION
SCALE: 3/8" = 1'-0"

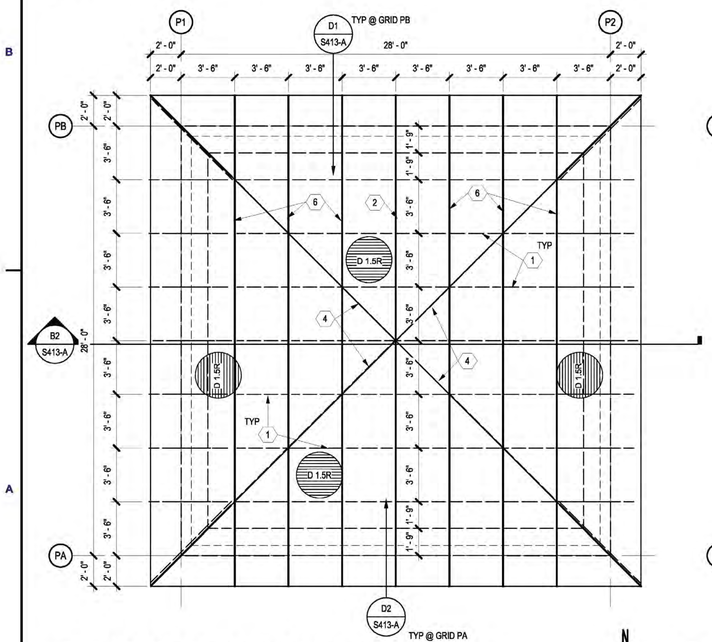
NOTE: • INDICATES WORK POINT



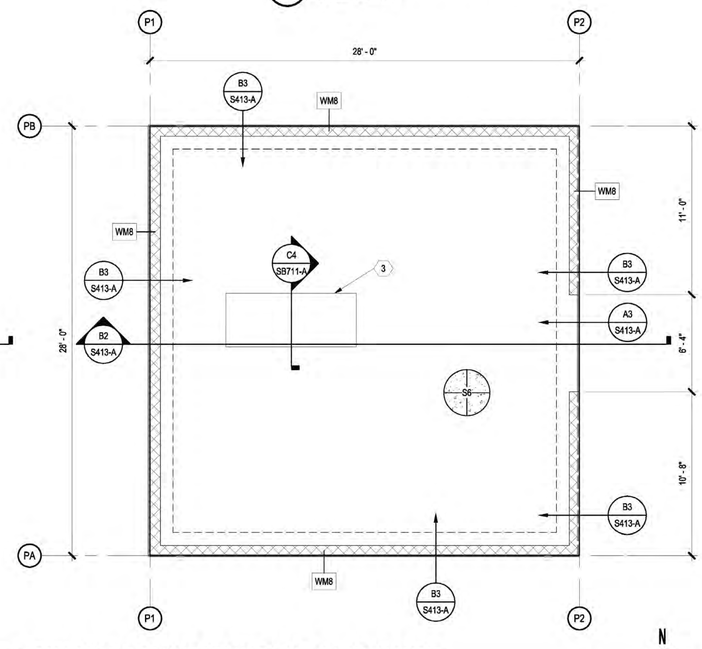
B2 BUILDING SECTION - PUMP HOUSE
SCALE: 1/4" = 1'-0"



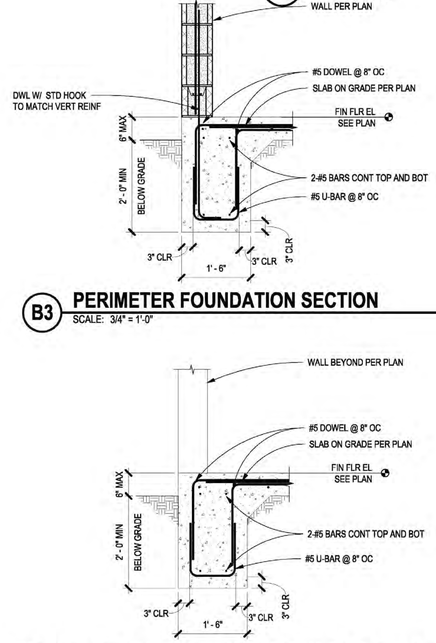
B4 TRUSS CONN - RIDGE
SCALE: 3/4" = 1'-0"



A1 BUILDING 1 FRAMING PLAN - PUMP HOUSE
SCALE: 1/4" = 1'-0"



A2 BUILDING 1 FOUNDATION PLAN - PUMP HOUSE
SCALE: 1/4" = 1'-0"



B3 PERIMETER FOUNDATION SECTION
SCALE: 3/4" = 1'-0"

A3 PERIMETER FOUNDATION SECTION AT OPENING
SCALE: 3/4" = 1'-0"

GENERAL SHEET NOTES

1. SOME SHEET KEYNOTES MAY NOT APPLY TO THIS SHEET.
2. REFERENCE FINISH FLOOR ELEVATION 98'-0" = MEAN SEA FINISH FLOOR ELEVATION. SEE CIVIL DRAWINGS.
3. NOTE TO ERECTOR: LATERAL STABILITY OF THE STEEL FRAME IS DEPENDENT UPON THE BRACED FRAMES. THE ERECTOR SHALL PROVIDE TEMPORARY BRACING OF THE STEEL FRAME IN ACCORDANCE WITH SECTION 7.10 OF THE AISC CODE OF STANDARD PRACTICES.
4. DIMENSIONS ARE TO THE FACE OF CONCRETE, MASONRY OR GRID LINES UNLESS NOTED OTHERWISE.
5. PROVIDE SLAB JOINTS AT 15' - 0" ON CENTER MAXIMUM AT NON-POLISHED SLABS AND AT 10' - 0" ON CENTER MAXIMUM AT POLISHED SLABS. THE AREA OF THE CONTROL JOINT SHALL NOT EXCEED A 1.5 TO 1 RATIO. CONTROL JOINTS SHALL BE LOCATED AT COLUMN LINES WHERE THE LAYOUT PERMITS. AT RE-ENTRANT CORNERS THAT DO NOT HAVE CONTROL JOINTS PROVIDE 2-#4 x 3'-0" DIAGONAL TO THE RE-ENTRANT CORNER.
6. SEE SHEETS SB-711-A THRU SB-742-A FOR TYPICAL DETAILS.
7. SEE SHEET S-601-A FOR SCHEDULES.

SHEET KEYNOTE

1. 1000S250-97 TOP AND BOTTOM CHORD BRACING.
2. COLD FORMED METAL FRAMED ROOF TRUSS, SEE DETAIL B1 / S413-A FOR TRUSS ELEVATION.
3. HOUSEKEEPING PAD COORDINATE EXACT SIZE AND LOCATION WITH FIRE PROTECTION AND ARCHITECTURAL DRAWINGS.
4. PROVIDE 1000S250-97 TOP CHORD BRACING AT ROOF RIDGE.
5. FLOOR DRAIN, SLOPE SLAB TO DRAIN 1/8" PER FOOT. COORDINATE EXACT SIZE AND LOCATION WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
6. COLD FORMED METAL FRAMED ROOF TRUSS, SEE DETAIL C1 / S413-A FOR TRUSS ELEVATION.

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810 PACE RD.
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ISSUE DATE	DESCRIPTION
09/21/2026	REVISED FIT-UP IFP

Δ	DESCRIPTION	DATE

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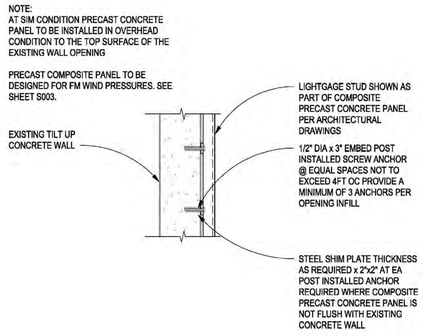
SHEET TITLE

ENLARGED PUMP HOUSE FOUNDATION & FRAMING PLANS, SECTION & DETAILS

SHEET NUMBER

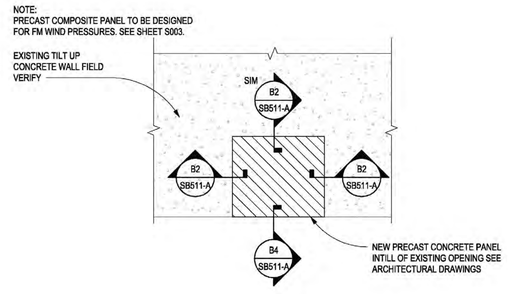
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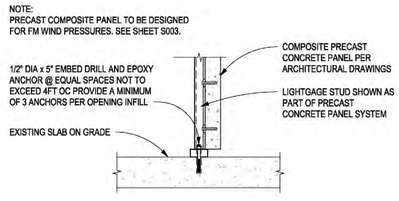
B2 EXISTING CONCRETE TO PANEL CONN

SCALE: 1" = 1'-0"



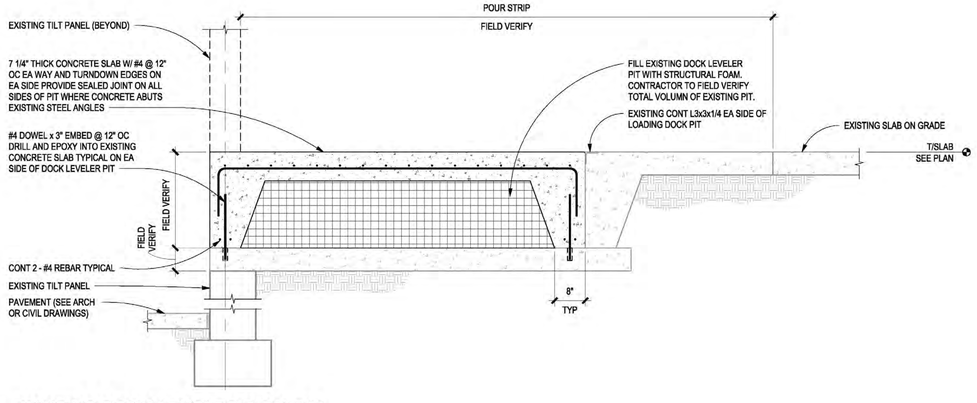
B3 EXIST. TILT UP WALL PANEL OPENING INFILL

SCALE: 3/8" = 1'-0"



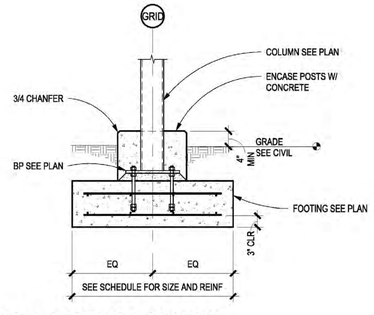
B4 EXIST. SLAB TO PANEL CONN

SCALE: 3/4" = 1'-0"



A2 EXISTING DOCK LEVELER PIT INFILL

SCALE: 3/4" = 1'-0"



A4 TYPICAL EXTERIOR COLUMN

SCALE: 3/4" = 1'-0"

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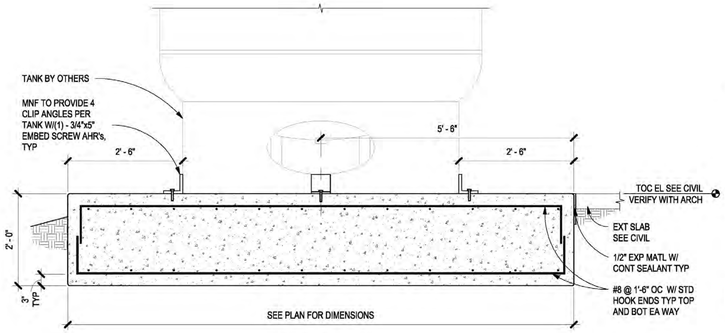
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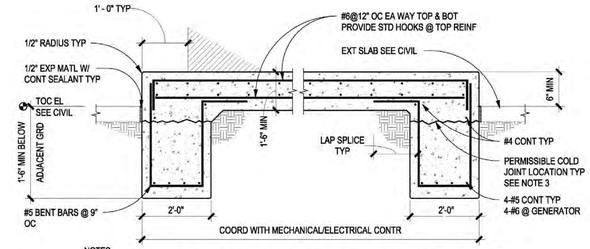
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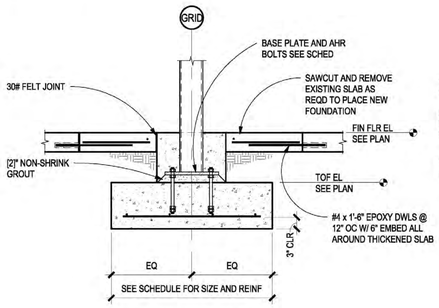
NOTES:
1. PROVIDE SOIL/SITE PREPARATION FOR SPREAD FOUNDATIONS AS RECOMMENDED IN GEOTECHNICAL REPORT.
2. ANCHORAGE OF EQUIPMENT TO PAD SHALL BE PROVIDED BY MANUFACTURER.
3. SEE CIVIL, ARCHITECTURAL, AND MEP DRAWINGS FOR LOCATION AND SIZES OF EXTERIOR EQUIPMENT PADS.
4. SLAB CONTROL JOINTS TO MATCH INTERIOR SLAB CONTROL JOINT REQUIREMENTS.
5. FINAL DESIGN TO BE CONFIRMED WITH EQUIPMENT FINAL SUBMITTAL.
6. FINAL LOCATION OF PLATES TO BE CONFIRMED WITH EQUIPMENT FINAL SUBMITTAL.

C2 WATER TANK PAD
SCALE: 3/4" = 1'-0"

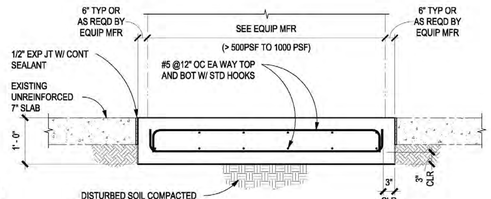


NOTES:
1. PROVIDE SOIL/SITE PREPARATION FOR SPREAD FOUNDATIONS AS RECOMMENDED IN GEOTECHNICAL REPORT.
2. ANCHORAGE OF EQUIPMENT TO PAD SHALL BE PROVIDED BY MANUFACTURER.
3. AT COLD JOINTS, ROUGHEN SURFACE TO FULL 1/4" AMPLITUDE.
4. SEE CIVIL, ARCHITECTURAL, AND MEP DRAWINGS FOR LOCATION AND SIZES OF EXTERIOR EQUIPMENT PADS.
5. SLAB CONTROL JOINTS TO MATCH INTERIOR SLAB CONTROL JOINT REQUIREMENTS.
6. FINAL DESIGN TO BE CONFIRMED WITH EQUIPMENT FINAL SUBMITTAL.

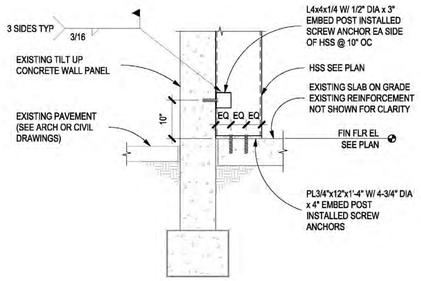
D3 EXTERIOR CONCRETE PAD SECTION FOR MECHANICAL & ELECTRICAL EQUIPMENT
SCALE: 3/4" = 1'-0"



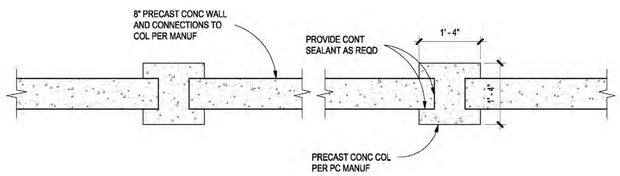
C3 TYPICAL INTERIOR COLUMN AT EXIST SLAB
SCALE: 3/4" = 1'-0"



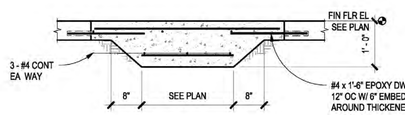
C4 INTERIOR ISOLATED EQUIPMENT PAD
SCALE: 3/4" = 1'-0"



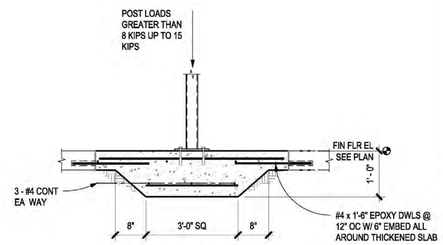
B1 HSS POST TO EXIST SLAB
SCALE: 3/4" = 1'-0"



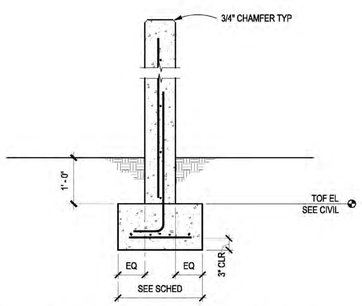
B2 TYPICAL PRECAST CONC SITE WALL DETAIL
SCALE: 3/4" = 1'-0"



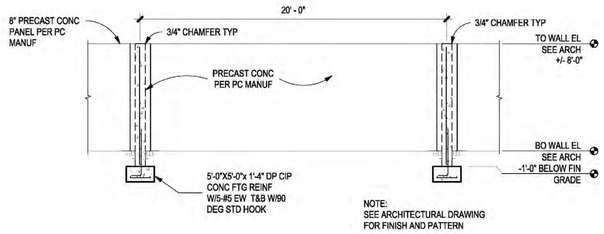
B3 INTERIOR THICKENED SLAB
SCALE: 3/4" = 1'-0"



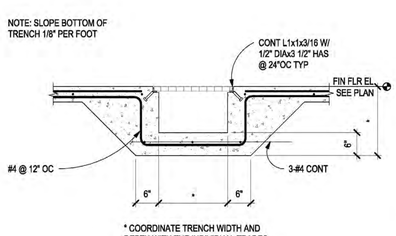
B4 INT COLUMN AT THICKENED SLAB
SCALE: 3/4" = 1'-0"



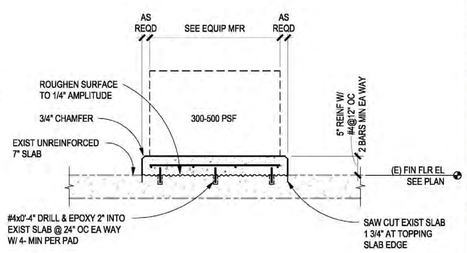
A1 PRECAST SITE WALL FDN SECTION
SCALE: 3/4" = 1'-0"



A2 TYPICAL PRECAST SITE WALL ELEVATION
SCALE: 1/4" = 1'-0"



A3 TYPICAL TRENCH SECTION
SCALE: 3/4" = 1'-0"



A4 THICKENED INTERIOR CONCRETE SLAB
SCALE: 3/4" = 1'-0"

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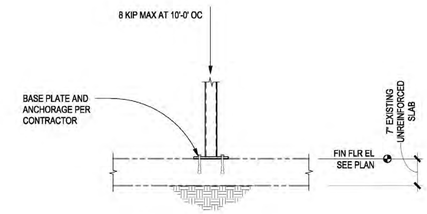
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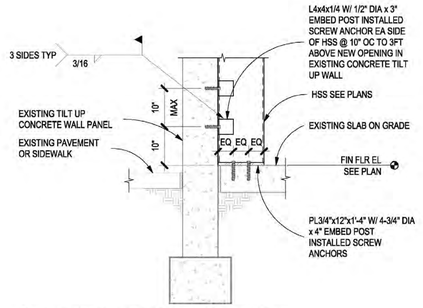
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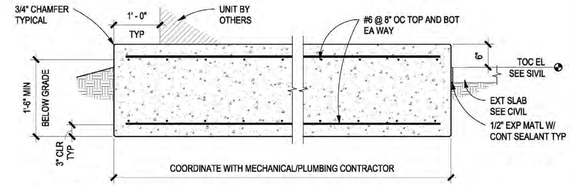
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D4 INT COLUMN AT EXIST SLAB
SCALE: 3/4" = 1'-0"

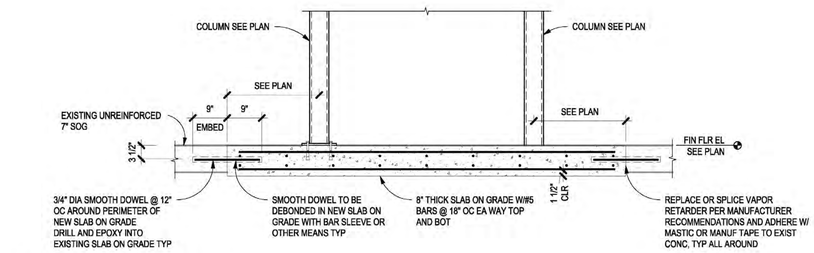


C3 HSS POST TO EXISTING SLAB
SCALE: 3/4" = 1'-0"

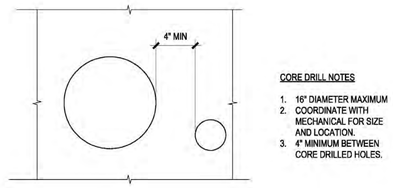


NOTES:
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2. ANCHORAGE OF EQUIPMENT TO PAD SHALL BE PROVIDED BY MANUFACTURER.
3. SEE CIVIL, ARCHITECTURAL, AND MEP DRAWINGS FOR LOCATION AND SIZES OF EXTERIOR EQUIPMENT PADS.
4. SLAB CONTROL JOINTS TO MATCH INTERIOR SLAB CONTROL JOINT REQUIREMENTS.
5. FINAL DESIGN TO BE CONFIRMED WITH EQUIPMENT FINAL SUBMITTAL.

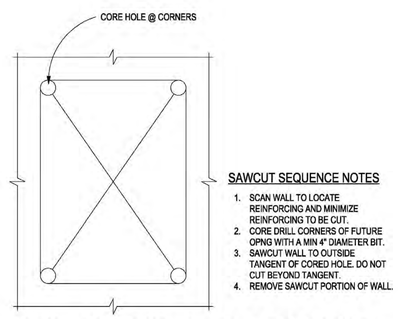
C4 ISOLATED EQUIPMENT PAD
SCALE: 3/4" = 1'-0"



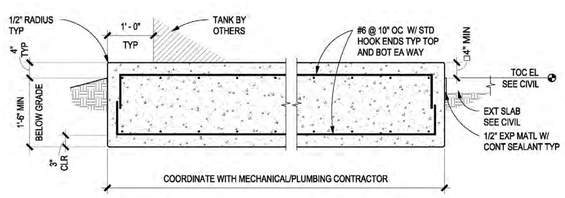
B2 FOUNDATION SLAB
SCALE: 3/4" = 1'-0"



B4 NEW PIPE PENETRATIONS IN EXIST CONC WALL
SCALE: 3/4" = 1'-0"



A3 NEW CONC OPNG CUT-OUT PROCEDURE
SCALE: 3/4" = 1'-0"



NOTES:
1. PROVIDE SOIL/SITE PREPARATION FOR SPREAD FOUNDATIONS AS RECOMMENDED IN GEOTECHNICAL REPORT.
2. ANCHORAGE OF EQUIPMENT TO PAD SHALL BE PROVIDED BY MANUFACTURER.
3. SEE CIVIL, ARCHITECTURAL, AND MEP DRAWINGS FOR LOCATION AND SIZES OF EXTERIOR EQUIPMENT PADS.
4. SLAB CONTROL JOINTS TO MATCH INTERIOR SLAB CONTROL JOINT REQUIREMENTS.
5. FINAL DESIGN TO BE CONFIRMED WITH EQUIPMENT FINAL SUBMITTAL.

A4 ISOLATED EQUIPMENT PAD
SCALE: 3/4" = 1'-0"

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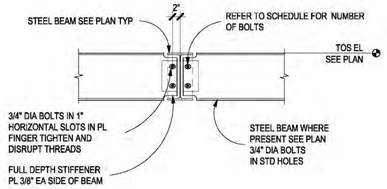
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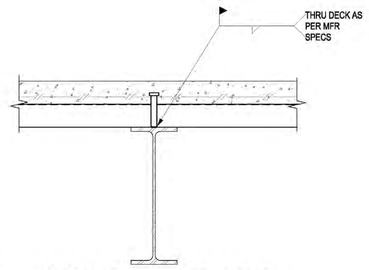
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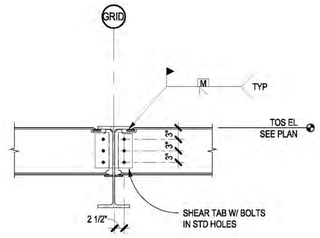


D1 SLIP JOINT CONNECTION_IFC
SCALE: 3/4" = 1'-0"

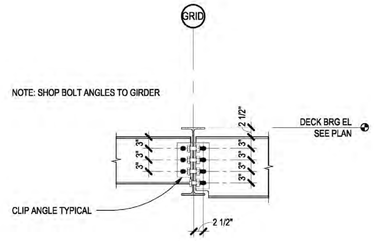
NOTES:
1. HEADED STUDS SHALL NOTE BE ADDED UNTIL AFTER THE FLOOR DECK IS INSTALLED



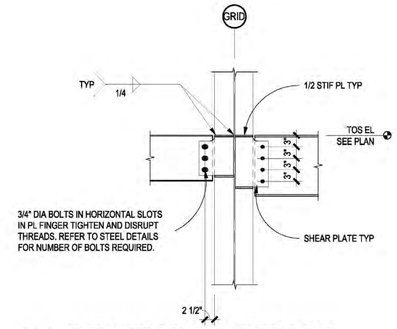
D2 TYPICAL COMPOSITE BEAM
SCALE: 1 1/2" = 1'-0"



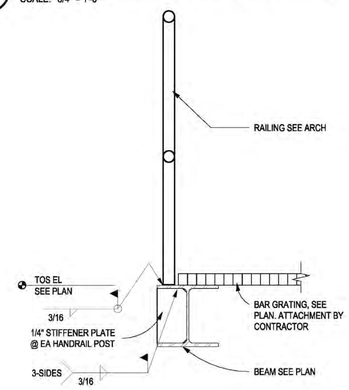
D3 BEAM TO BEAM MOMENT CONN
SCALE: 3/4" = 1'-0"



D4 BEAM TO BEAM CONNECTION
SCALE: 3/4" = 1'-0"

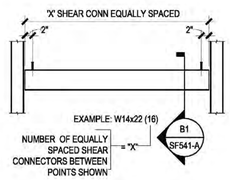


D5 BEAM TO COLUMN WEB CONN
SCALE: 3/4" = 1'-0"

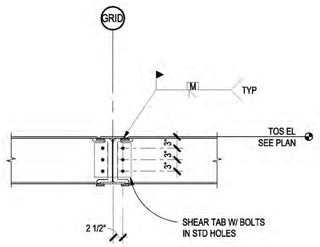


C1 GUARD RAIL DETAIL_IFC
SCALE: 1 1/2" = 1'-0"

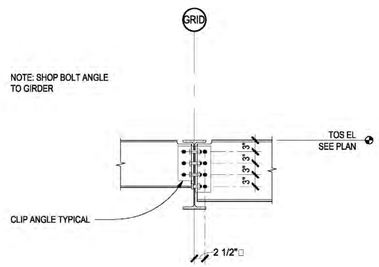
NOTE:
1. HEADED STUDS SHALL NOT BE ADDED UNTIL THE FLOOR DECK IS INSTALLED



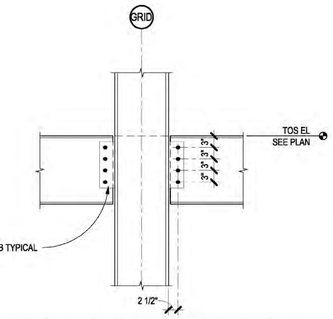
C2 TYPICAL COMPOSITE GIRDER ELEV
SCALE: 1/4" = 1'-0"



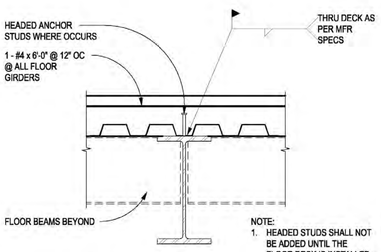
C3 BEAM TO BEAM MOMENT CONN
SCALE: 3/4" = 1'-0"



C4 TYPICAL BEAM TO BEAM CONN
SCALE: 3/4" = 1'-0"

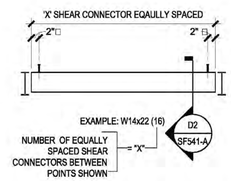


C5 BEAM TO COLUMN FLANGE CONN
SCALE: 3/4" = 1'-0"

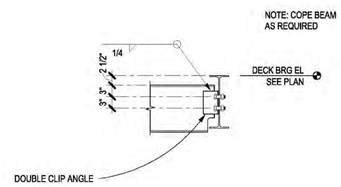


B1 TYPICAL FLOOR GIRDER
SCALE: 3/4" = 1'-0"

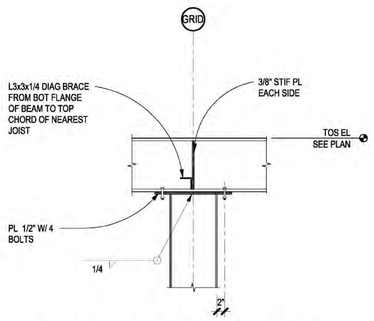
NOTES:
1. PLACE STUDS UNIFORMLY IN LOW FLUTES
2. STUDS SHALL BE PLACED ON EDGE OF LOW FLUTE FURTHEST AWAY FROM THE BEAM CENTERLINE
3. HEADED STUDS SHALL NOT BE ADDED UNTIL THE FLOOR IS INSTALLED



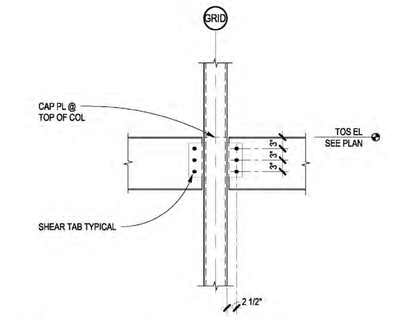
B2 TYPICAL COMPOSITE BEAM ELEV
SCALE: 1/4" = 1'-0"



B3 BEAM TO BEAM CONN
SCALE: 3/4" = 1'-0"

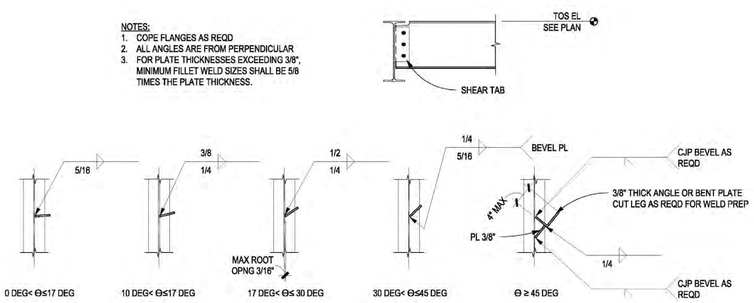


B4 BEAM OVER COLUMN CONN
SCALE: 3/4" = 1'-0"

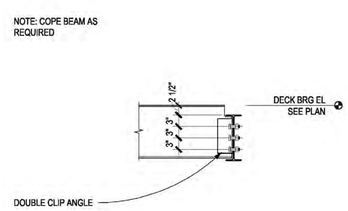


B5 BEAM TO COLUMN CONN
SCALE: 3/4" = 1'-0"

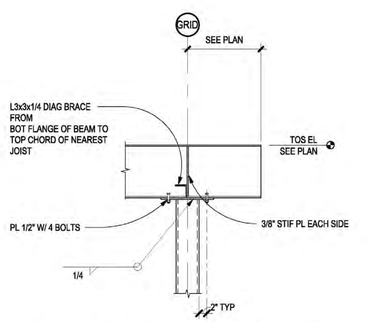
NOTES:
1. COPE FLANGES AS REQD
2. ALL ANGLES ARE FROM PERPENDICULAR
3. FOR PLATE THICKNESSES EXCEEDING 3/8", MINIMUM FILLET WELD SIZES SHALL BE 5/8 TIMES THE PLATE THICKNESS.



A1 SKEWED BEAM TO BEAM CONN
SCALE: 3/4" = 1'-0"



A3 BEAM TO BEAM CONN
SCALE: 3/4" = 1'-0"



A4 BEAM OVER COLUMN CONN
SCALE: 3/4" = 1'-0"

STEEL CONNECTION NOTES

1. PROVIDE 1/4" CAP PLATE AT THE TOP OF ALL HOLLOW STRUCTURAL STEEL (HSS) COLUMNS UNLESS NOTED OTHERWISE.
2. PROVIDE 1/4" CAP PLATE AT THE TOP OF ALL PIPE COLUMNS UNLESS NOTED OTHERWISE.
3. PROVIDE 1/2" CAP PLATE AT THE TOP OF ALL WIDE FLANGE COLUMNS UNLESS NOTED OTHERWISE.
4. PROVIDE 1/4" END PLATE AT ALL EXPOSED HSS MEMBERS UNLESS NOTED OTHERWISE.
5. ALL CONNECTION CLIP ANGLES SHALL BE L4x4x3/8 UNLESS NOTED OTHERWISE. BOLT ANGLE TO SUPPORTING MEMBER UNLESS NOTED OTHERWISE.
6. ALL CONNECTION SHEAR PLATES SHALL BE PL 3/8" UNLESS NOTED OTHERWISE. PROVIDE 5/16" FILLET WELD EACH SIDE OF SHEAR PLATE TO SUPPORTING MEMBER.
7. ALL BOLTS SHALL BE 3/4 " DIAMETER A325N IN SHORT SLOTS AS FOLLOWS UNLESS NOTED OTHERWISE:
   - 2 @ W8, W10
   - 3 @ W12, W14
   - 4 @ W16, W18
   - 5 @ W21
   - 6 @ W24
   - 7 @ W27
   - 8 @ W30

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EXP:02/28/2027
09/21/2026

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BUILDING 1

810 PACE RD.
AUBURNDALE, FL 33823

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09/21/2026	REVISED FIT-UP IFP

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PROJ NO
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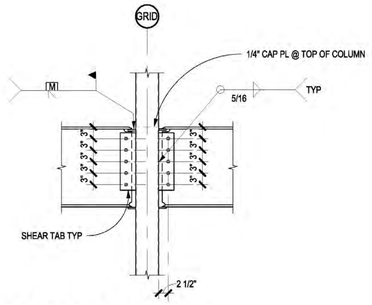
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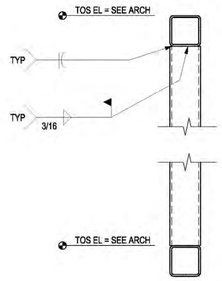
STEEL DETAILS

SHEET NUMBER
BLDG1-SF541-A

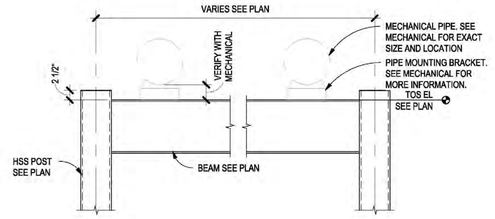
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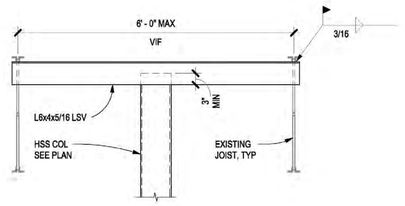
D1 BM TO HSS COL MOMENT
SCALE: 3/4" = 1'-0"



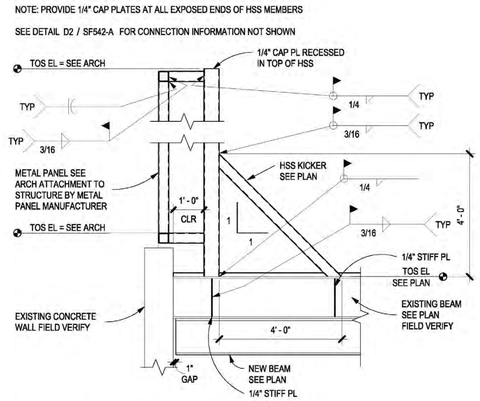
D2 BEAM TO COL CONN
SCALE: 1 1/2" = 1'-0"



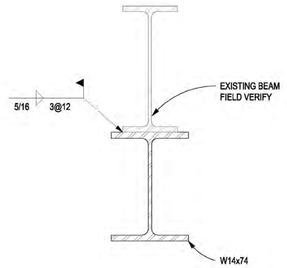
D3 PIPE SUPPORT SECTION
SCALE: 3/4" = 1'-0"



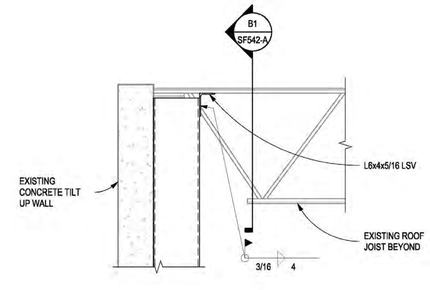
D4 ANGLE TO EXISTING JOISTS CONNECTION
SCALE: 3/4" = 1'-0"



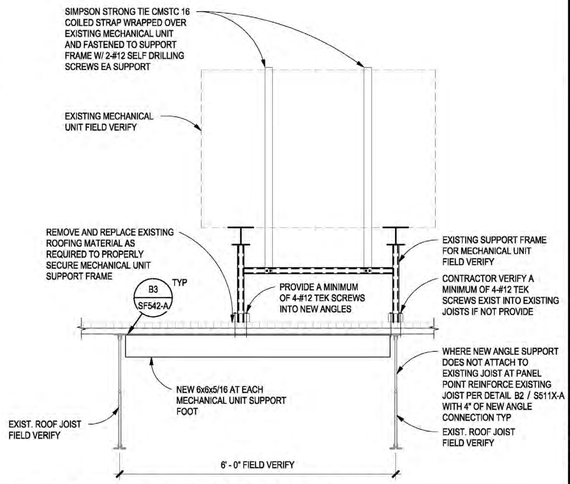
C1 SCREEN WALL SECTION
SCALE: 1/2" = 1'-0"



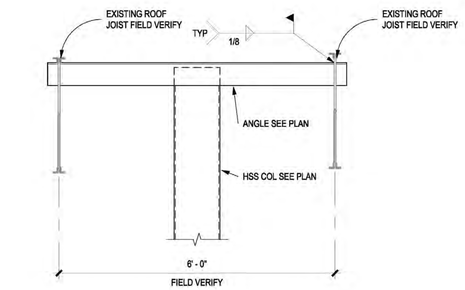
C2 BEAM RETROFIT CONN
SCALE: 1 1/2" = 1'-0"



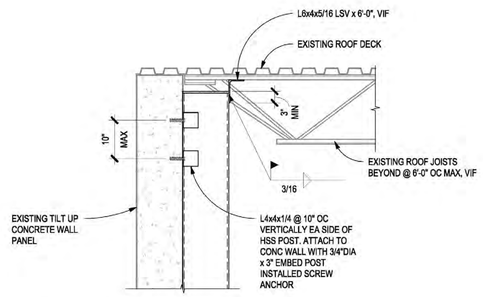
C3 FRAMING SECTION
SCALE: 3/4" = 1'-0"



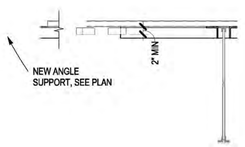
B4 MECH UNIT SUPPORT CONNECTION
SCALE: 3/4" = 1'-0"



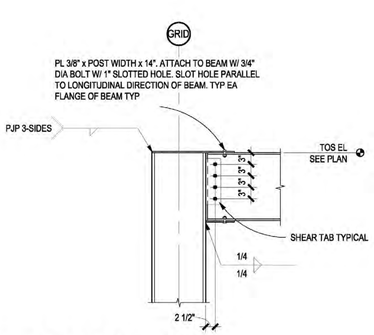
B1 FRAMING SECTION
SCALE: 3/4" = 1'-0"



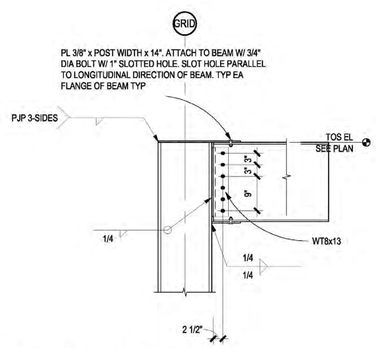
B2 HSS POST TO EXISTING ROOF JOISTS
SCALE: 3/4" = 1'-0"



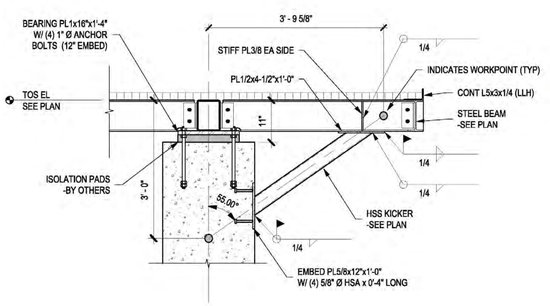
B3 CONNECTION OF NEW ANGLES TO EXISTING JOISTS
SCALE: 3/4" = 1'-0"



A1 WF BEAM TO HSS COL
SCALE: 3/4" = 1'-0"



A2 WF TO HSS COL - WT
SCALE: 3/4" = 1'-0"



A4 KICKER DETAIL
SCALE: 3/4" = 1'-0"

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PROJ NO
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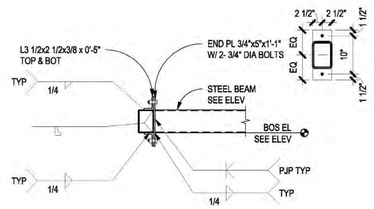
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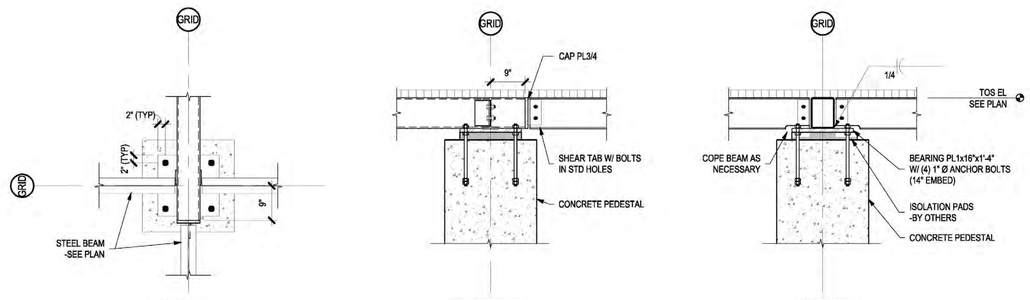
STEEL DETAILS

SHEET NUMBER
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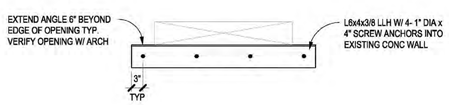
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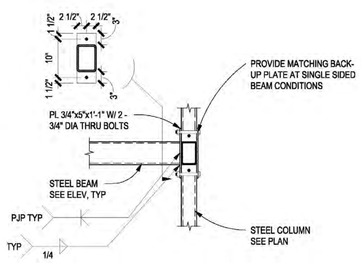
B2 CONNECTION DETAIL
SCALE: 3/4" = 1'-0"



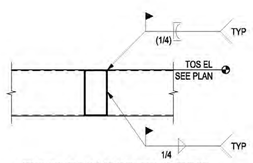
B3 BEAM CONNECTION AT CONCRETE PEDESTAL
SCALE: 3/4" = 1'-0"



A1 CABLE TRAY SUPPORT AT EXISTING WALL
SCALE: 3/4" = 1'-0"

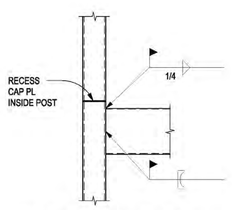


A2 CONNECTION DETAIL
SCALE: 3/4" = 1'-0"



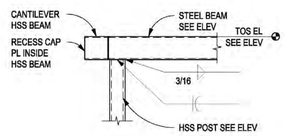
NOTE: WELDS SHALL BE PROVIDED ALL AROUND HSS TO HSS CONNECTIONS WELDS SHOWN ARE MINIMUM EFFECTIVE THROATS TO BE PROVIDED

A3 BEAM TO BEAM CONN
SCALE: 3/4" = 1'-0"



NOTE: WELDS SHALL BE PROVIDED ALL AROUND HSS TO HSS CONNECTIONS WELDS SHOWN ARE MINIMUM EFFECTIVE THROATS TO BE PROVIDED

A4 BEAM TO COL CONN
SCALE: 3/4" = 1'-0"



A5 CONNECTION DETAIL
SCALE: 3/4" = 1'-0"

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STEEL DETAILS

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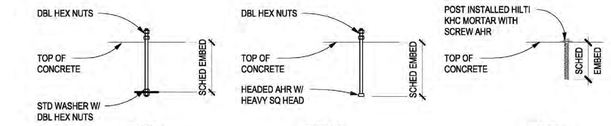
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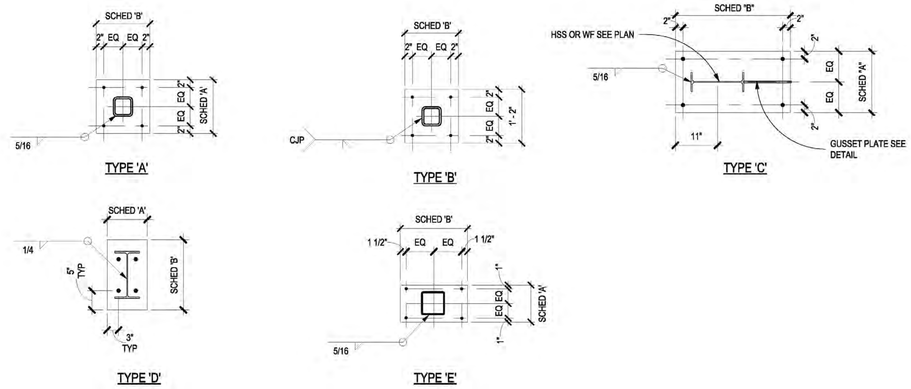
BASE PLATE SCHEDULE

COLUMN	BASE PLATE		POST INSTALLED ANCHORS	
	TYPE	SIZE "T"x"A"x"B"	POST INSTALLED SCREW ANCHORS	TYPE
HSS4x4x1/4	E	PL 3/4" x6"x1'-0"	4 - 1/2" DIA x 4"	3
HSS5x5x1/4 HSS5x5x1/2	E	PL 3/4" x6"x1'-0"	4 - 1/2" DIA x 4"	3
HSS8x6x3/8	E	PL 3/4" x7"x0'-10"	4 - 3/4" DIA x 4"	3
HSS10x8x3/8	E	PL 1" x8"x1'-2"	4 - 3/4" DIA x 4"	3
HSS10x10x3/8	E	PL 1" x14"x1'-2"	4 - 3/4" DIA x 4"	3

EXTERIOR EQUIPMENT BASE PLATE SCHEDULE

MARK	BASE PLATE		ANCHOR BOLTS		NON-SHRINK GROUT THICKNESS
	TYPE	SIZE "T"x"A"x"B"	F1554 ANCHOR BOLTS	TYPE	
BP1	D	PL 1 1/2" x12"x1'-6"	4 - 1" DIA x 12"	1	2"
BP2	C	PL 1" x16"x2'-6"	4 - 1 1/2" DIA x 10"	1	2"
BP3	A	PL 1" x16"x1'-4"	4 - 1" DIA x 8"	1	2"
BP4	B	PL 1 1/4" x15"x1'-3"	4 - 1" DIA x 12"	1	2"
BP5	E	PL 1" x8"x1'-2"	4 - 3/4" DIA HILTI HIT HY 200 POST INSTALLED ANCHORS W/ 6" EMBED		2"
BP6	F	PL 1" x14"x1'-2"	4 - 3/4" DIA HILTI HIT HY 200 POST INSTALLED ANCHORS W/ 6" EMBED		2"





PIER AND PIER CAP SCHEDULE

MARK	PIER				PIER CAP				COMMENTS
	SIZE	VERT REINF	TIES	TYPE	SIZE	TOP REINF	BOT REINF	STIRRUPS	
CP1	1 - 30" DIA	8 - #6	#3 @ 12"OC	TYPE A	3'-6" X 3'-6"	SEE DETAIL	SEE DETAIL	SEE DETAIL	25'-0" EMBED

WALL SCHEDULE

MARK	WALL		REINFORCING		COMMENTS
	VENEER	WALL	VERTICAL	HORIZONTAL	
WM8	--	8" CMU	#5 @ 24" OC	2-#4 IN CONT BOND BEAM @ 48" OC MAX AND AS INDICATED IN SECTIONS AND DETAILS AND W1.7 LADDER REINF @ 16" OC	

DECK SCHEDULE

MARK	METAL DECK				DECK ATTACHMENTS			TOTAL SLAB / DECK THICKNESS	COMMENTS
	DECK	TYPE	GAGE	FINISH	ATTACH PERP TO RIBS	ATTACH PARALLEL TO RIBS	ATTACH SIDELAPS		
D 1.5R	1 1/2"	B	20	PAINTED	4-#12 SCREW PER 36" WIDE SHEET	#12 SCREW @ 12" OC	#10 SCREWS @ 12" OC		

REINFORCING LAP SPLICE SCHEDULE

REINFORCEMENT TYPE	#6 AND SMALLER (NUMBER OF BAR DIAMETERS)			#7 AND LARGER (NUMBER OF BAR DIAMETERS)			MINIMUM LENGTH (IN)	COMMENTS
	3000 PSI	4000 PSI	5000 PSI	3000 PSI	4000 PSI	5000 PSI		
CONTINUOUS WALL FOOTINGS AND HORIZONTAL REINFORCEMENT IN SITE WALLS AND STEMWALLS	30	30	30	30	30	30	18	
CONCRETE WALLS: ALL VERTICAL REINFORCEMENT	57	50	45	72	62	56	12	
CONCRETE WALLS: ALL HORIZONTAL REINFORCEMENT, EXCLUDING SITE WALLS AND STEMWALLS	75	65	58	93	81	72	12	
CONCRETE COLUMNS	57	50	45	72	62	56	12	
TOP FLEXURAL REINFORCEMENT, INCLUDING BEAMS, GRADE BEAMS, AND COMBINED FOOTING COLUMNS	75	65	58	93	81	72	12	
BOTTOM FLEXURAL REINFORCEMENT, INCLUDING BEAMS, GRADE BEAMS, AND COMBINED COLUMN FOOTINGS	57	50	45	72	62	56	12	
MINIMUM EMBEDMENT OF STANDARD HOOKS INTO CONCRETE BASE	22	19	17	22	19	17	6	ALLOWED FOR BARS LARGER THAN #11
SLABS-ON-GRADE		30			30		12	
SLABS OVER METAL DECK		30			30		6	WELDED WIRE FABRIC MINIMUM LAP LENGTH = 6 INCHES
ALL CMU LAPS UNLESS NOTED OTHERWISE		48			48		18	

NOTES:
1. LAP SPLICES SHALL NOT BE PERMITTED FOR BARS LARGER THAN #11 IN CONCRETE OR #9 IN MASONRY. SUCH SPLICES SHALL USE APPROVED MECHANICAL CONNECTIONS
2. LAP SPLICES FOR BUNDLED BARS SHALL BE IN ACCORDANCE WITH ACI 318
3. LAP LENGTHS FOR LIGHTWEIGHT CONCRETE SHALL BE INCREASED BY 33%
4. LAP LENGTHS FOR EPOXY COATED BARS SHALL BE INCREASED BY 50%
5. FOR INTERMEDIATE OR LARGER VALUES OF f'c, USE THE CLOSEST LOWER VALUE IN THE TABLE. DO NOT INTERPOLATE

COMBINED FOOTING SCHEDULE

MARK	SIZE			REINFORCING	BEARING PRESSURE	COMMENTS
	WIDTH	LENGTH	DEPTH			
CF1	4' - 0"	10' - 7 5/256"	2' - 0"	#6 @ 9" OC EA WAY TOP AND BOTT		
CF2	4' - 0"	11' - 0"	2' - 0"	5- #6 TOP & BOT		
CP1	3' - 6"	3' - 6"				25'-0" EMBED

SPOT FOOTING SCHEDULE

MARK	SIZE			REINFORCING	BEARING PRESSURE	COMMENTS
	WIDTH	LENGTH	DEPTH			
F4	4' - 0"	4' - 0"	8"	8- #5 EA WAY TOP & BOT		
F4B	4' - 6"	4' - 6"	2' - 0"	6- #6 EA WAY TOP & BOT		
F5	5' - 0"	5' - 0"	1' - 0"	8- #5 EA WAY TOP & BOT		
F6	6' - 0"	6' - 0"	2' - 0"	11- #5 EA WAY TOP & BOT		
F9	4' - 6"	9' - 0"	2' - 0"	8 - #5 LONG BARS TOP & BOT #5 HORIZ BARS TOP & BOT @ 7" OC		HOOK ALL BARS

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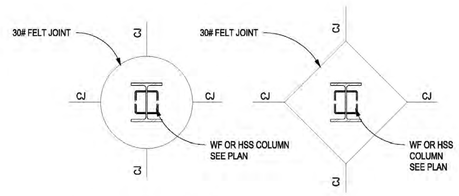
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SHEET TITLE

SCHEDULES

SHEET NUMBER
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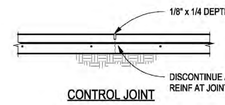


NOTE : CONTRACTOR'S OPTION FOR TYPE TO BE USED. PLACE BLOCKOUTS AT ALL COLUMNS .

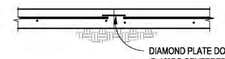
NOTE: ENLARGED BLOCKOUTS MAY BE REQUIRED AT BRACED FRAME LOCATIONS FOR GUSSET PLATE CLEARANCE.

C2 TYPICAL COLUMN BLOCKOUT
SCALE: NTS

NOTE: AT CONTRACTOR'S OPTION, A PLASTIC JOINT FORMER MAY BE INSTALLED INSTEAD OF THE SAWCUT

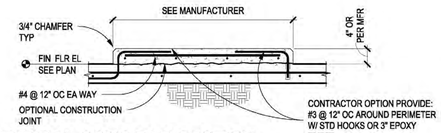


CONTROL JOINT

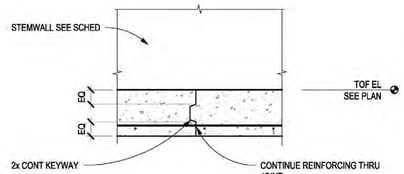


CONSTRUCTION JOINT

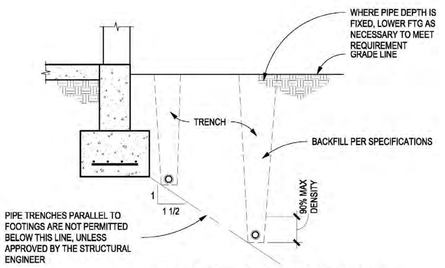
D5 TYPICAL SLAB JOINT
SCALE: NTS



C4 TYPICAL CONC PAD SECTION
SCALE: 3/4" = 1'-0"

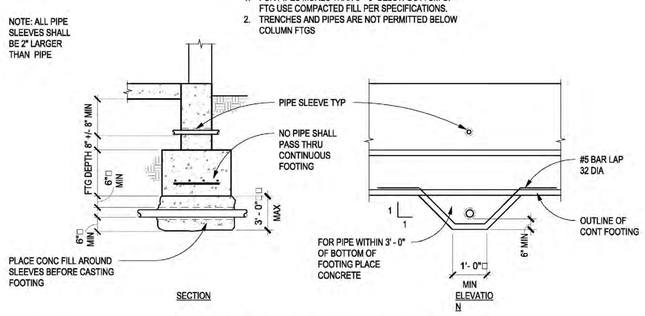


C5 TYPICAL CONT FTG BULKHEAD
SCALE: NTS



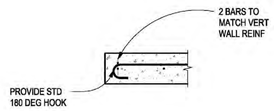
PIPE AND TRENCHES PARALLEL TO FOOTINGS

NOTES:
1. FOR PIPES MORES THAN 3' - 0" BELOW BOTTOM OF FTG USE COMPACTED FILL PER SPECIFICATIONS.
2. TRENCHES AND PIPES ARE NOT PERMITTED BELOW COLUMN FTGS

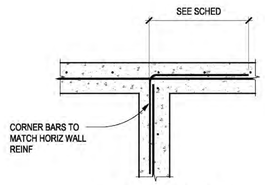


PIPE AND TRENCHES TRANSVERSE TO FOOTINGS

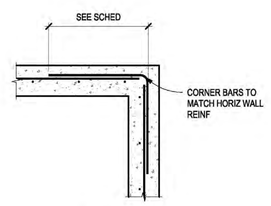
A1 TYPICAL PIPE PENETRATION AND TRENCH DETAILS
SCALE: NTS



END WALL



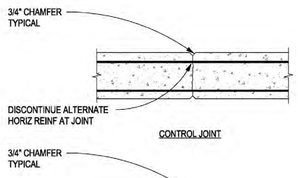
WALL TEE INTERSECTION



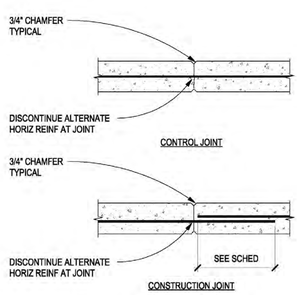
WALL CORNER

NOTE: REINFORCING SHOWN ON FOUNDATION SECTIONS AND SPECIFICALLY REFERENCED DETAILS SHALL TAKE GOVERN OVER REINFORCING IN STANDARD DETAILS.

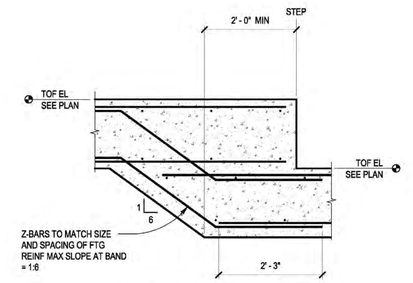
A3 TYPICAL SINGLE MAT WALL REINF
SCALE: NTS



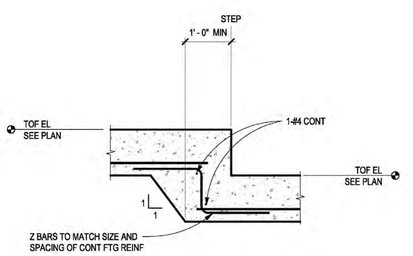
B4 TYPICAL WALL JOINT DETAIL
SCALE: NTS



A4 TYPICAL WALL JOINT DETAIL
SCALE: NTS



AT COMBINED COLUMN AND SHEAR WALL FOOTINGS



AT STEMWALL AND NON-SHEAR WALL FOOTINGS

A5 TYPICAL STEPPED FOOTING DETAIL
SCALE: NTS

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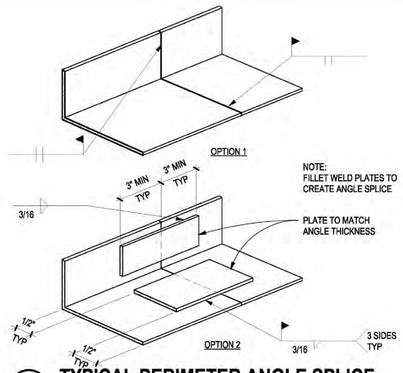
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TYPICAL CONCRETE DETAILS

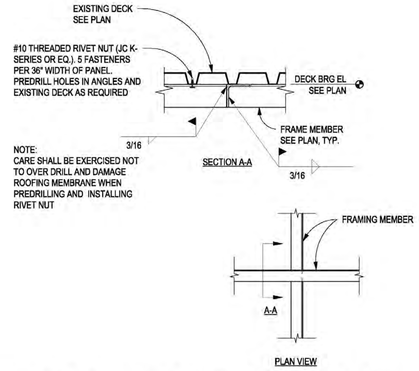
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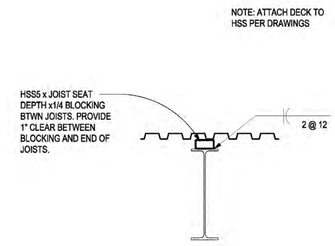
D4 TYPICAL PERIMETER ANGLE SPLICE

SCALE: 3/4" = 1'-0"



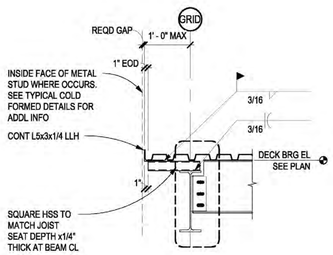
C3 TYPICAL ANGLE TO ANGLE CONNECTION

SCALE: 3/4" = 1'-0"



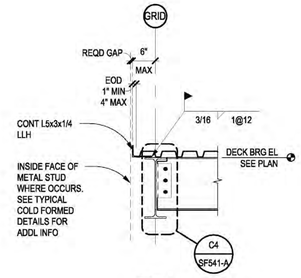
C4 TYPICAL HSS BLOCKING DETAIL

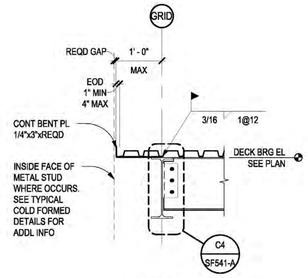
SCALE: 3/4" = 1'-0"

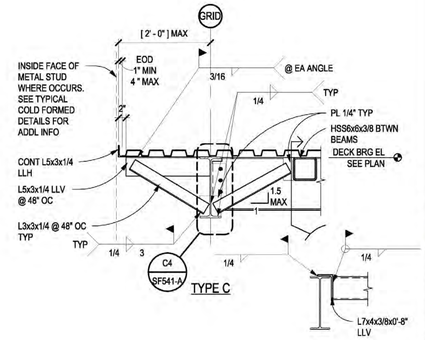


B2 TYPICAL DECK EDGE AT BEAM

SCALE: 3/4" = 1'-0"

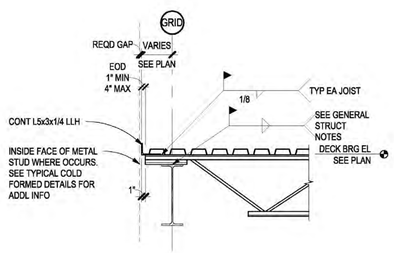






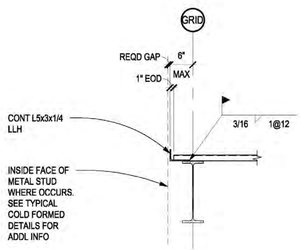
B3 TYPICAL DECK EDGE AT NON-BEARING BEAM

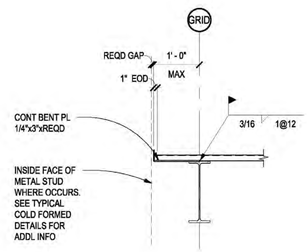
SCALE: 3/4" = 1'-0"

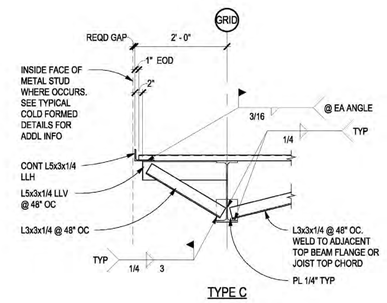


A2 TYPICAL ROOF BRG DECK EDGE

SCALE: 3/4" = 1'-0"







A3 TYPICAL ROOF DECK EDGE AT NON-BEARING BEAM

SCALE: 3/4" = 1'-0"

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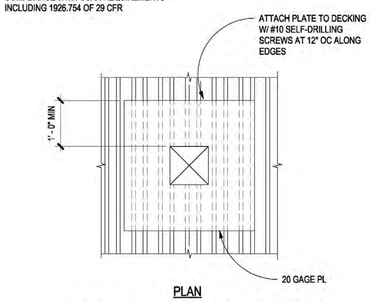
SHEET TITLE

TYPICAL STEEL DETAILS

SHEET NUMBER
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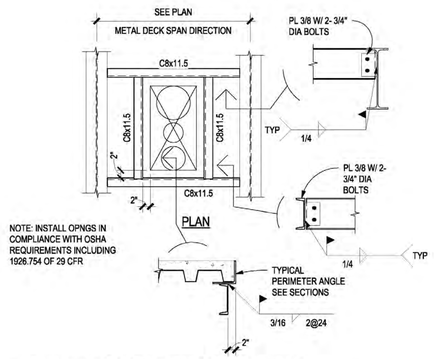
NOTE: INSTALL OPENINGS IN COMPLIANCE WITH OSHA REQUIREMENTS INCLUDING 1926.754 OF 29 CFR



PLAN

D4 TYPICAL ROOF OPENING 0"-12"

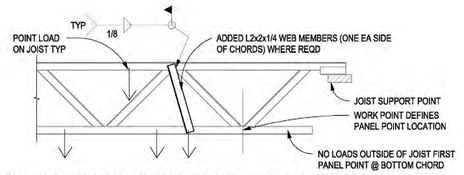
SCALE: 3/4" = 1'-0"



NOTE: INSTALL OPNGS IN COMPLIANCE WITH OSHA REQUIREMENTS INCLUDING 1926.754 OF 29 CFR

C4 TYPICAL SLAB OPNG > 24"

SCALE: 3/4" = 1'-0"



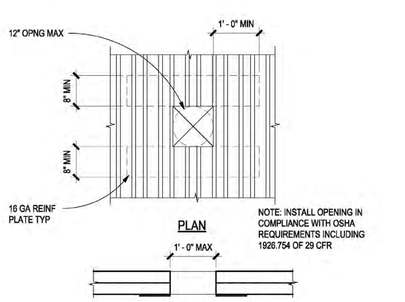
POINT LOADS ON K-SERIES OR LH-SERIES (NON SP JOISTS) SHALL MEET ALL OF THE FOLLOWING REQUIREMENTS:

- POINT LOADS ON THE JOIST TOP CHORD OR BOTTOM CHORD THAT EXCEED 100LBS SHALL BE PLACED WITHIN 4" OF A JOIST PANEL POINT, OR ADDITIONAL WEB MEMBERS SHALL BE ADDED AT THE POINT OF LOAD APPLICATION.
- WHERE MULTIPLE POINT LOADS ARE PLACED BETWEEN THE SAME TWO PANEL POINTS, THE SUM OF THOSE LOADS THAT ARE NOT REINFORCED WITH ADDITIONAL WEB MEMBERS SHALL NOT EXCEED100LBS.
- POINT LOADS SHALL BE CONCENTRIC WITH THE CHORD FROM WHICH IT IS HUNG. BEAM CLAMPS OR OTHER CONNECTIONS THAT INDUCE NON-CONCENTRIC LOADS ARE NOT PERMITTED.
- POINT LOADS SHALL BE SPACED SO THAT THE COMBINED TOP CHORD PLUS BOTTOM CHORD POINT LOADS DO NOT EXCEED AN EQUIVALENT LINE LOAD OF 65PLF AT ANY POINT ALONG THE JOIST.
- LOADS SHALL NOT BE PLACED ON THE BOTTOM CHORD OUTSIDE OF THE FIRST PANEL POINT.
- POINT LOADS IN EXCESS OF 350LBS THAT ARE NOT SPECIFICALLY NOTED ON THE STRUCTURAL DRAWINGS SHALL NOT BE PLACED WITHOUT APPROVAL FROM THE ENGINEER OF RECORD AND THE JOIST MANUFACTURER.

NOTE: JOISTS LABELED AS "SP" HAVE BEEN DESIGNED FOR THE LOADS NOTED ON THE STRUCTURAL PLANS. THOSE LOADS SHALL BE PLACED WITHIN 2" OF A PANEL POINT, OR ADDITIONAL WEB MEMBERS SHALL BE ADDED.

B3 TYPICAL JOIST REINFORCING

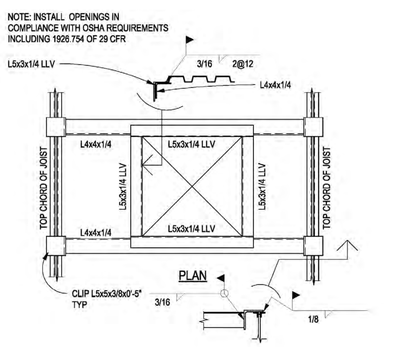
SCALE: 1/2" = 1'-0"



NOTE: FOR OPNGS LESS THAN 4" NO REINFORCING PLATE REQD

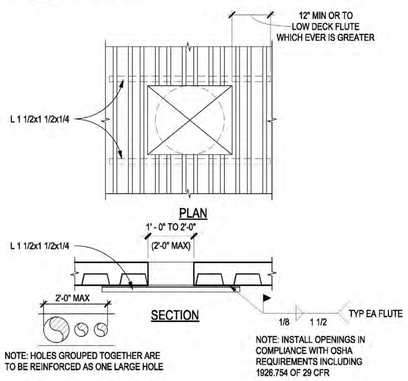
B4 TYPICAL SLAB OPENING 4"-12"

SCALE: 3/4" = 1'-0"



A3 TYPICAL ROOF OPENING > 12"

SCALE: 3/4" = 1'-0"



A4 TYPICAL SLAB OPENING 12"-24"

SCALE: 3/4" = 1'-0"

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SHEET TITLE

TYPICAL STEEL DETAILS

SHEET NUMBER

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