

**ADDENDUM
NO. 1**

January 6, 2025

**SCHOOL TOWN OF HIGHLAND - RTU'S AND CHILLER
REPLACEMENT PROJECT
Highland, IN 46322**

TO: ALL BIDDERS OF RECORD

This Addendum forms a part of and modifies the Bidding Requirements, Contract Forms, Contract Conditions, the Specifications, and the Drawings dated December 11, 2024, by Schmidt Associates. Acknowledge receipt of the Addendum in the space provided on the Proposal Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of Page ADD 1-1 and attached Addendum No. 1 from Schmidt Associates dated January 6, 2025 consisting of 2 pages and 8 Drawings.

ADDENDUM NO. 1

JANUARY 6, 2025

PREPARED BY SCHMIDT ASSOCIATES FOR:
HVAC 2023 PROJECT
HIGHLAND, SCHOOL TOWN OF

This Addendum consists of 2 Addendum pages and 8 attachment pages totaling 10 pages.

Acknowledge receipt of this Addendum by inserting its number on the Bid Form. Failure to do so may subject the Bid to disqualification. This Addendum is part of the Contract Documents.

Bidder is encouraged to verify with reprographer of record all Addenda issued (do not rely exclusively on third party plan room services).

PART 1 - CHANGES TO PRIOR ADDENDA (NOT APPLICABLE)

PART 2 - CHANGES TO THE PROJECT MANUAL

Modifications described herein shall be incorporated in the Project Manual. All other Work shall remain unchanged.

2.1 DIVISION 23 - HEATING, VENTILATING, AND AIR-CONDITIONING(HVAC)

A. Section 230900.99 "DIRECT DIGITAL CONTROL SYSTEMS"

1. DELETE AND REPLACE Text within 1.7.A Table as follows:

"Alerton Controls installed by Open Control Systems is the only approved control system manufacturer and product lines"

PART 3 - CHANGES TO THE DRAWINGS

Modifications described herein shall be incorporated in the Drawings. All other Work shall remain unchanged.

3.1 DRAWING SHEETS: ADDITIONS, DELETIONS AND REPLACEMENTS

DRAWING NO.	INDICATE ACTION: ADD (A), DELETE (D), DELETE & REPLACE (R),
S-SERIES DRAWINGS	
S001.1	DELETE AND REPLACE
S100.1	DELETE AND REPLACE
S001.2	DELETE AND REPLACE

	S100.2	DELETE AND REPLACE
	S001.3	DELETE AND REPLACE
	S100.3	DELETE AND REPLACE
M-SERIES DRAWINGS		
	MR101.3	DELETE AND REPLACE
	M-401.4	DELETE AND REPLACE

END OF ADDENDUM 1

AVAILABLE PROJECT INFORMATION

The following information is being made available to Bidders for informational purposes only and is not a part of the Addendum.

A. Questions and Answers:

1. **Question:** Roof protection railings, there are no details provided, what type do they want 2-line rail, galvanized and/or pre-engineered railing systems?
Answer: Anchoring design to be delegated to pre-engineered handrail manufacturer per OSHA requirements.
2. **Question:** How should the railing attach to the roof?
Answer: Anchoring design to be delegated to pre-engineered handrail manufacturer per OSHA requirements.
3. **Question:** What length should we include at each location, maybe the architect/engineer can indicate this on the individual roof plans?
Answer: Extend beyond the length of equipment to meet OSHA requirements.

E

D

C

B

A

E

D

C

B

A

GENERAL NOTES

As used in these General Notes:
 "Drawings" means the latest structural design drawings, uno.
 "Specifications" means the latest project specifications, uno.
 "Contract Documents" is defined as the design drawings and the specifications.
 "SER" is defined as the structural engineer of record for the structure in its final condition.
 "Design Professionals" is defined as the owner's architect.
 "MEP" includes, but is not limited to Mechanical, Electrical, Plumbing, Fire Protection.
 "Contractor" is defined to include any of the following: General Contractor and their Subcontractors, Construction Manager and their Subcontractors, Structural Steel Fabricator or Structural Steel Erector.
 "Base Building Structure" is defined as the structural frame designed by JOOL Global LLC.
 "Structure in its final condition" means all structural elements shown on the structural contract documents are installed and completely connected and inspected with no outstanding non-compliance issues.

The Contractor is solely responsible for the stability of the structure until the construction of the structure reaches its final condition.

The Contractor is responsible for coordination of the Structural work with the Architectural, Civil, MEP contract documents, as well as any other applicable trades. The architectural, mechanical, electrical and plumbing aspects are not in the scope of these drawings. Therefore, all required materials and work may not be indicated. Refer to architectural drawings for all dimensions not shown on these drawings. Locations, sizes and numbers of all openings may not be completely indicated in the structural drawings. The respective contractor shall verify their work with all other disciplines.

The contractor is solely responsible for the design, installation, and removal of temporary bracing and construction supports, for new and existing structures, as necessary to complete the project. No portion of the project while under construction is intended to be stable in the absence of the contractor's temporary supports and braces. Contractor shall retain a structural engineer licensed in the state in which the project is located to design temporary bracing and construction supports.

The contract documents represent the structure only. They do not indicate the method of construction. The contractor shall provide all measures necessary to protect the structure during construction. Such measures shall include, but not limited to, bracing, shoring, underpinning, etc. The Engineer of Record is not responsible for the contractor's means, methods, techniques, sequences or safety procedures during construction.

The contractor shall verify all existing dimensions and conditions and coordinate with the structural drawings, architectural drawings, drawings from other consultants, project shop drawings and field conditions.

Apply details, sections, and notes on the drawings where conditions are similar to those indicated by detail, detail title or note.

Only use dimensions indicated on the drawings. Do not scale drawings.

Assume equal spacing between established dimensions, if not indicated on drawings.

The contractor shall verify that construction loads do not exceed the capacity of the structure at the time the load is applied.

Reactions and forces indicated are unfactored, Allowable Strength Design (ASD) loads.

If Drawings and specifications are in conflict, the most stringent restrictions and requirements shall govern.

Notes and details shall take precedence over general structural notes. Where no details or sections are shown, construction shall conform to similar work on the project. Typical sections and details may not be cut on the plans, but apply unless noted otherwise.

Verify all existing conditions prior to any construction or fabrication. If different than shown, notify engineer/architect immediately for modification of drawings.

CODES AND DESIGN CRITERIA

CODES	2012 International Building Code
Building Code:	Indiana Building Code 2014
Code Standard:	ASCE 7-10
Steel Standard:	AISC 360-10 ASD
Masonry Standard:	TMS 402/602-11
Risk Category:	III

ROOF LOADS	Dead	Live	Snow
Main	14 psf	20 psf	23.1 psf
	+ Joist Self-weight		

SNOW DESIGN CRITERIA

Ground Snow Load, P _g :	30 psf	
Flat Roof Snow Load, P _f :	23.1 psf	
Minimum Snow, P _m :	22 psf	
Importance Factor, I _e :	1.1	
Exposure Factor, C _e :	1.0	Partially
Thermal Factor, C _t :	1.0	Heated
Warm Slope Factor, C _s :	1.0	

051200 STRUCTURAL STEEL NOTES

All structural steel shall conform to the following:
 W Shapes ASTM A992, Grade 50
 Angles, Channels, Plates, Bars ASTM A36 (F_y=36 ksi)
 HSS Tubes ASTM A500, Grade C (F_y=50 ksi)

All steel shall be detailed, fabricated and erected in accordance with:
 • AISC 360 "Specification for Structural Steel Buildings", Allowable Strength Design (ASD)
 • AISC 303 "Code of Standard Practice"

All bolted connections shall be made with 3/4" diameter, A325 bolts with nuts and washers, unless otherwise noted. All connections shall be shear bearing connections tightened to snug-tight condition, unless otherwise noted.

All shop and field welds shall be made using E70 electrodes or equivalent.

Splices shall be allowed only at locations specifically indicated on the structural drawings unless approved otherwise by the SER in writing.

For steel members and embedments exposed to weather, provide hot-dipped galvanized finish, uno.

Field modification of structural steel is prohibited without prior approval of the architect and structural engineer.

Steel fabricator shall obtain the size and location of all openings for grilles, louvers, etc. before proceeding with the fabrication and erection of any required frames.

052100 STEEL JOIST NOTES

During the reinforcing process, the heat generated from welding can reduce the capacity of the existing joists. Therefore the existing joists shall be temporarily shored and/or the existing RTUs shall be removed prior to and during reinforcing.

Do not damage existing joists or bridging during the installation of joist reinforcing or RTU support frames.

Prepare existing joists to receive weld per current AISC and AWS standards.

Repair paint or primer at weld locations to match existing conditions.

Where joist reinforcing and/or RTU support framing are exposed in the final condition, paint to match existing condition.

ABBREVIATIONS LIST

AR	ANCHOR RODS	O/O	OUT TO OUT
ABV	ABOVE	OA	OVERALL
ACI	AMERICAN CONCRETE INSTITUTE	OC	ON CENTER
ADDL	ADDITIONAL	OD	OUTSIDE DIAMETER
ADH	ADHESIVE	OF	OUTSIDE FACE
ADJ	ADJACENT	OH	OVER HEAD
AESS	ARCHITECTURALLY EXPOSED	OPNG	OPENING
AFF	STRUCTURAL STEEL	OPP	OPPOSITE
AGGR	ABOVE FINISHED FLOOR	OPP HD	OPPOSITE HAND
AHU	AGGREGATE	OSB	ORIENTED STRAND BOARD
AISC	AIR HANDLING UNIT	OSL	OUTSTANDING LEG
AISI	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	OVS	OVERSIZE HOLE
ALUM	AMERICAN IRON AND STEEL INSTITUTE	PAF	POWDER ACTUATED FASTENER
ALT	ALUMINUM	PL	PLATE
APPROX	ALTERNATE	PLF	POUNDS PER LINEAR FOOT
ARCH	APPROXIMATE	PLYWD	PLYWOOD
ARCH'L	ARCHITECT	PNL	PANEL
ASTM	ARCHITECTURAL	PROJ	PROJECTION
AWG	AMERICAN SOCIETY OF TESTING MATERIALS	PSF	POUNDS PER SQUARE FOOT
L	AMERICAN WELDING SOCIETY	PSI	POUNDS PER SQUARE INCH
B/B	ANGLE	PSL	PARALLEL STRAND LUMBER
B/C	BALANCE	PT	PRESSURE TREATED
BD	BACK TO BACK	PTN	PARTITION
BLDG	BOTTOM CHORD	R	RADIUS
BLK	BOND BEAM	RD	ROOF DRAIN
BLW	BUILDING	REF	REFERENCE
BM	BLOCK	REINF	REINFORCE(D) (ING) (MENT)
BOTT	BELOW	REQD	REQUIRED
BRDG	BEAM	REV	REVISION/REVISED
BRK	BOTTOM	RO	ROUGH OPENING
BS	BRIDGING	RDR	ROOF DRAIN
BRG	BEARING	RTN	RETURN
BRICK	BRECK	RTU	ROOF TOP UNIT
BTH SIDS	BOTH SIDES	RW	RETAINING WALL
BSMT	BASEMENT	SCHED	SCHEDULE
BTWN	BETWEEN	SECT	SECTION
BUC	BUILT UP COLUMN	SHT	SHEET
C	CAMBER	SIM	SIMILAR
C/C	CENTER TO CENTER	SJ	SAWCUT JOINT
CANT	CANTILEVER	SJI	STEEL JOIST INSTITUTE
CAISS	CAISSON	SL	SLOPED
CFS	COLD FORMED STEEL	SPECS	SPECIFICATIONS
CJ	CONTROL AND/OR CONSTRUCTION JOINT	SQ	SQUARE
CL	CENTERLINE	SS	STAINLESS STEEL
CLR	CLEAR	SSL	SHORT SLOTTED HOLES
CMU	CONCRETE MASONRY UNIT	STD	STANDARD
COL	COLUMN	STIFF	STIFFENERS
COORD	COORDINATE	STL	STEEL
COMP	COMPACTED	STRUCT	STRUCTURAL
CONC	CONCRETE	SYMM	SYMMETRICAL
CONN	CONNECTION	T&B	TOP AND BOTTOM
CONST	CONSTRUCTION	T&G	TONGUE AND GROOVE
CONT	CONTINUOUS	TE	TE BEAM
CONTR	CONTRACTOR	TC	TOP CHORD
CTR	CENTER	TCX	TOP CHORD EXTENSION
CTRD	CENTERED	TEMP	TEMPERATURE
DIA	DIAMETER	THK	THICK
DIAG	DIAGONAL	THKS	THICKENED FLOOR
DIM	DIMENSION	THRD	THREADED
DL	DEAD LOAD	TL	TOTAL LOAD
DO	DEEP LEG TRACK	TOPG	TOPPING
DN	DOWN	TRANS	TRANSVERSE
DTL	DRAWING	TYP	TYPICAL
DWL	DOWEL	UNO	UNLESS NOTED OTHERWISE
EACH	EACH	VERT	VERTICAL
EE	EACH END	VIF	VERIFY IN FIELD
EF	EACH FACE	W	WITH
EJ	EXPANSION JOINT	WD	WOOD
ENG	ENGINEER	WO	WINDOW OPENING (MASONRY)
ELEV	ELEVATION	WP	WORKING POINT
ELECT	ELECTRICAL	WT	WEIGHT
EOD	EDGE OF DECK	WWF	WELDED WIRE FABRIC
EOS	EDGE OF SLAB		
EQU	EQUAL		
EQUIV	EQUIVALENT		
ES	EACH SIDE		
EW	EACH WAY		
EXIST	EXISTING		
EXP	EXPANSION		
EXT	EXTERIOR		
F	FACE OF		
FD	FLOOR DRAIN		
FDN	FOUNDATION		
FIN	FINISH		
FLR	FLOOR		
FLG	FLANGE		
FS	FARSIDE		
FTG	FOOTING		
FV	FIELD VERIFY		
GA	GAUGE		
GALV	GALVANIZED		
GB	GRADE BEAM		
GC	GENERAL CONTRACTOR		
GL	GLULAM		
GR	GRADE		
HC	HOLLOW CORE		
HD	HOLD DOWN		
HGT	HEIGHT		
HI	HIGH		
HK	HOOK		
HORIZ	HORIZONTAL		
HP	HIGH POINT		
HS	HEADED STUD		
HSS	HOLLOW STRUCTURAL SECTION		
ID	INSIDE DIAMETER		
IF	INSIDE FACE		
INFO	INFORMATION		
INT	INTERIOR		
INV	INVERT		
JST	JOIST		
JT	JOINT		
K	KIP		
KO	KNOCK OUT		
LB	POUND		
LDG	LEDGE		
LG	LONG		
LL	LIVE LOAD		
LLH	LONG LEG HORIZONTAL		
LIV	LONG LEG VERTICAL		
LNTL	LINTEL		
LSL	LONG SLOTTED HOLES		
LONG	LONGITUDINAL		
LP	LOW POINT		
LVL	LAMINATED VENEER LUMBER		
MAS	MASONRY		
MATL	MATERIAL		
MAX	MAXIMUM		
MBM	METAL BUILDING MFR		
MCJ	MASONRY CONTROL JT		
MECH	MECHANICAL		
MEZZ	MEZZANINE		
MFR	MANUFACTURER		
MIN	MINIMUM		
MISC	MISCELLANEOUS		
MO	MASONRY OPENING		
MOM	MOMENT		
MSW	MASONRY SHEAR WALL		
MSL	MEAN SEA LEVEL		
MTL	METAL		
NO	NUMBER		
NS	NEAR SIDE		
NTS	NOT TO SCALE		

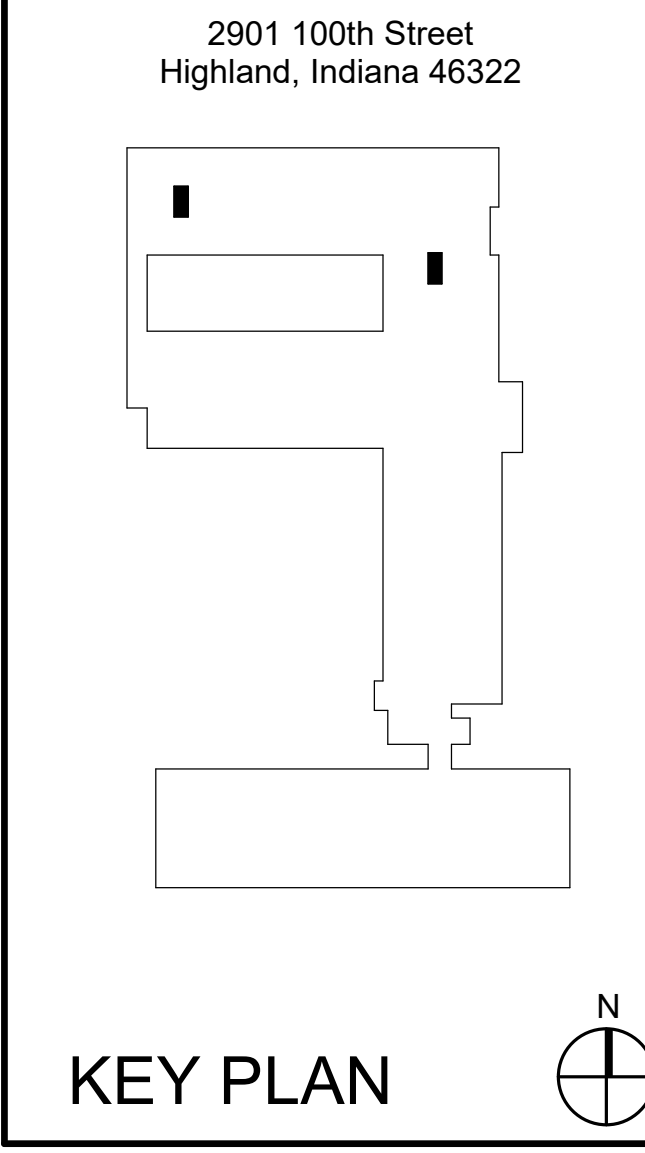


Project No. 2024-098.H23
 Project Date 12.11.2024
 Produced DAB RC



These Drawings and Specifications, and all copies thereof are and shall remain the property and copyright of the Architect. They shall be used only with the Project or Work without prior written permission from the Architect.

#	Revision	Date
1	Addendum 1	01.06.2025

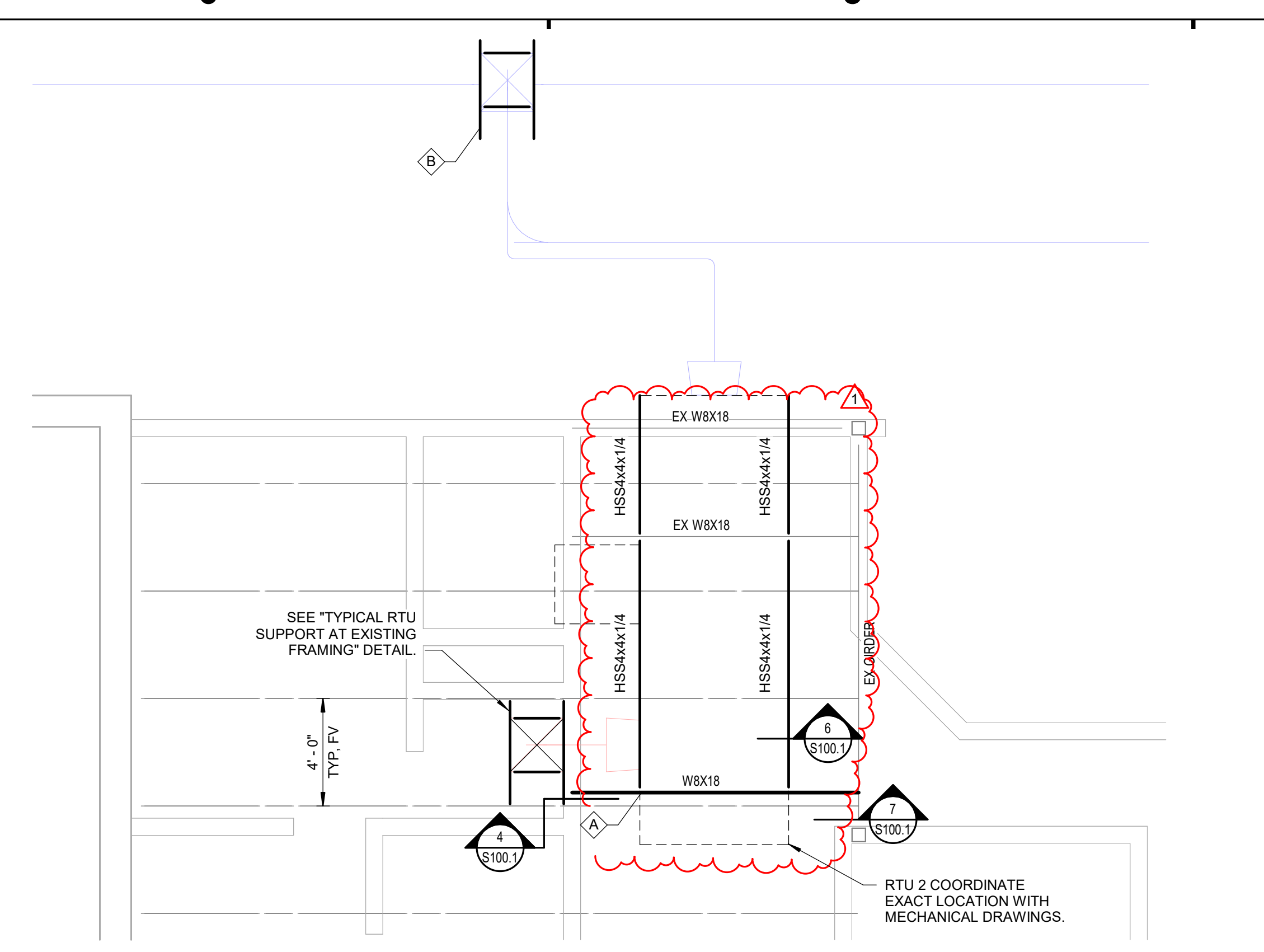
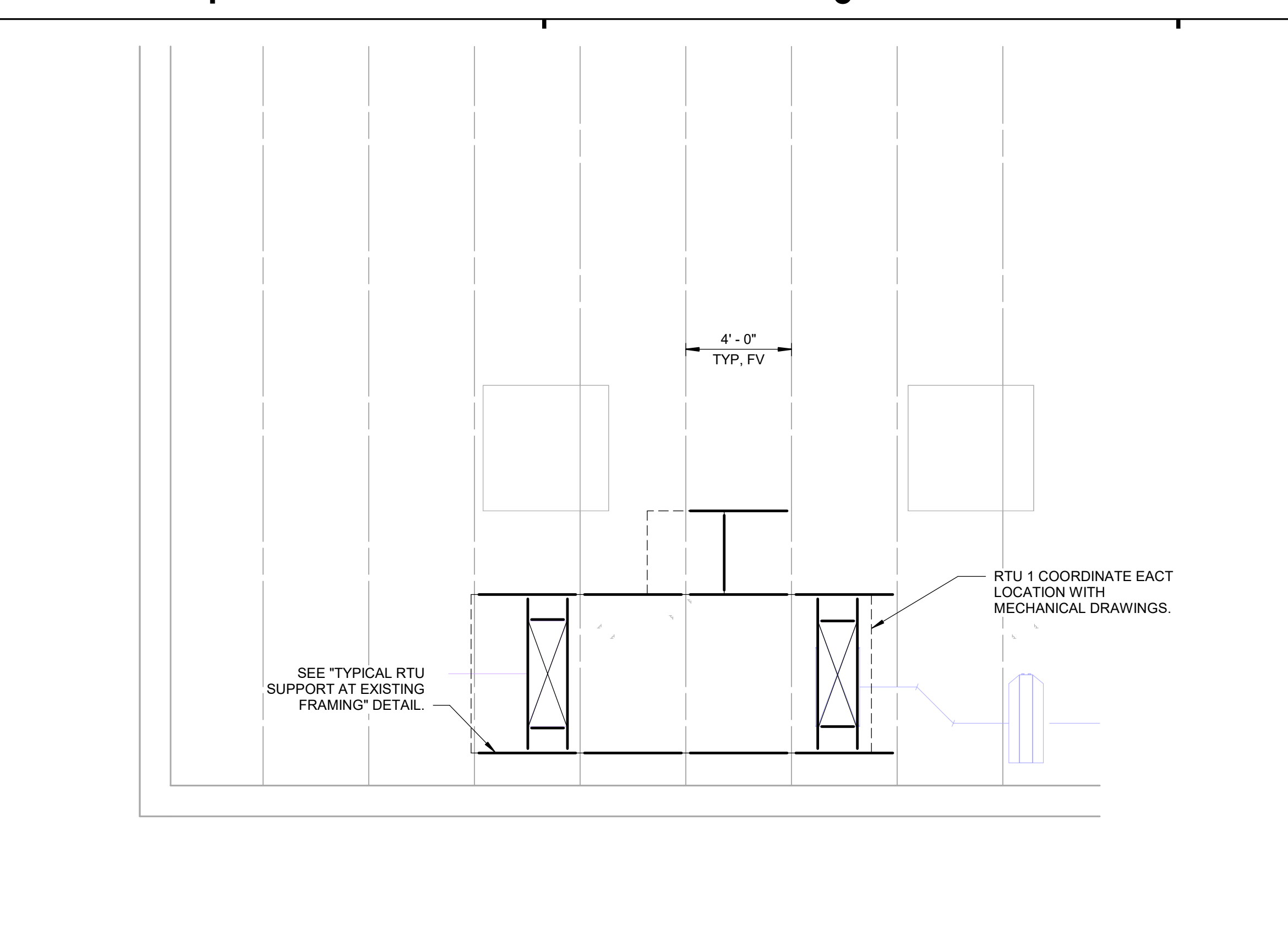
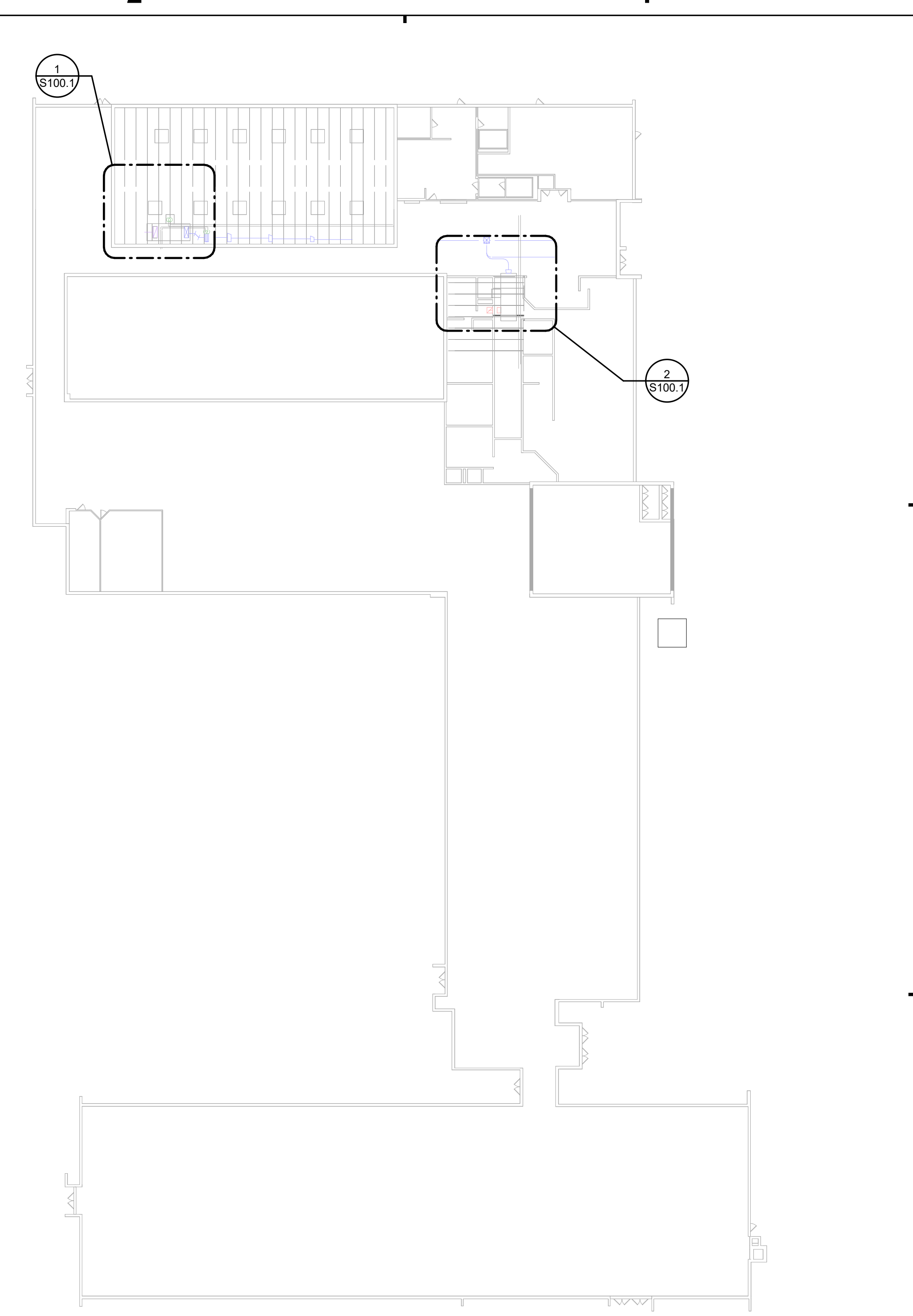


JOHNSTON ELEMENTARY

GENERAL NOTES & ABBREVIATIONS

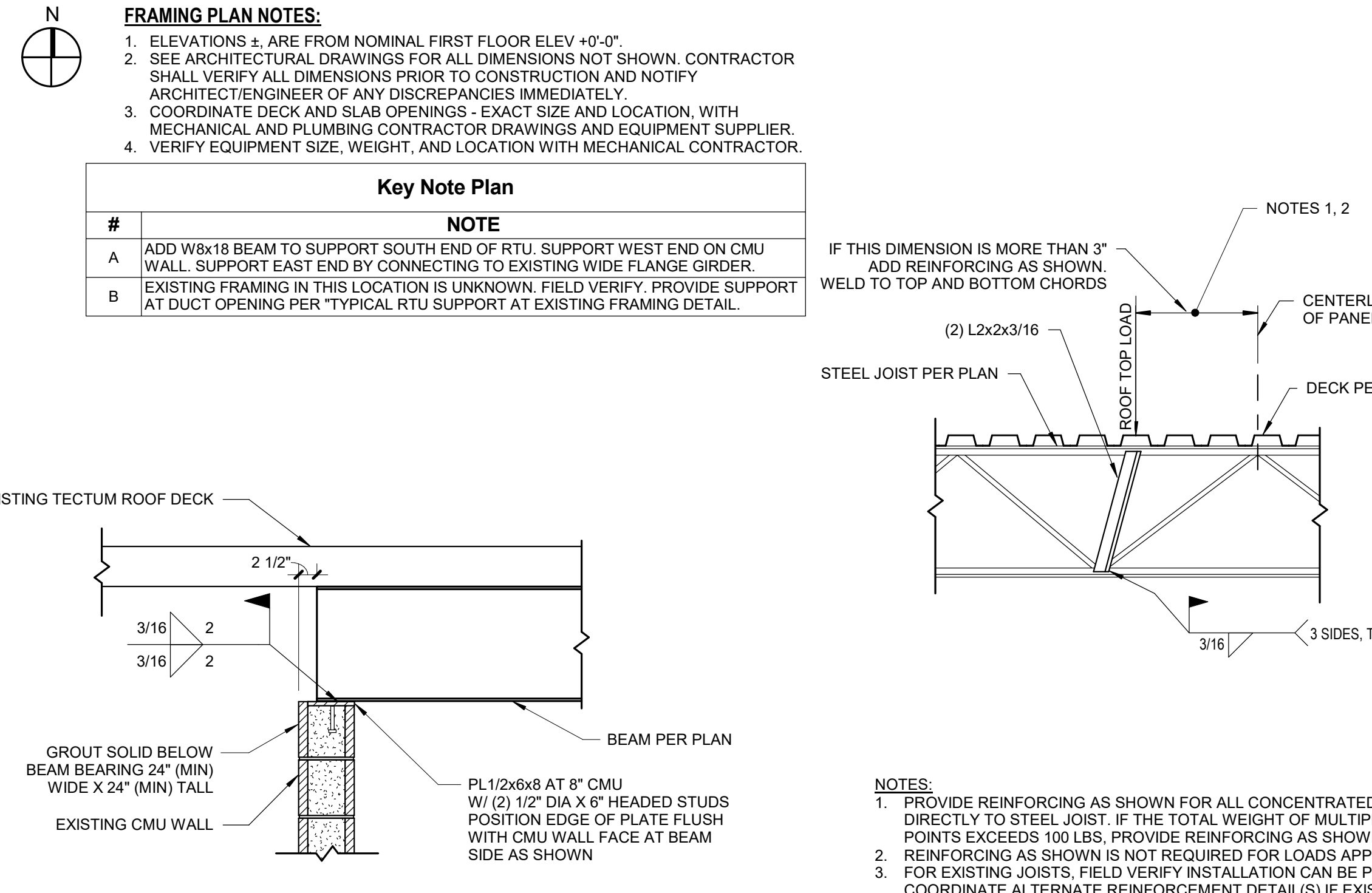
S001.1

#	Revision	Date
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Key Note Plan

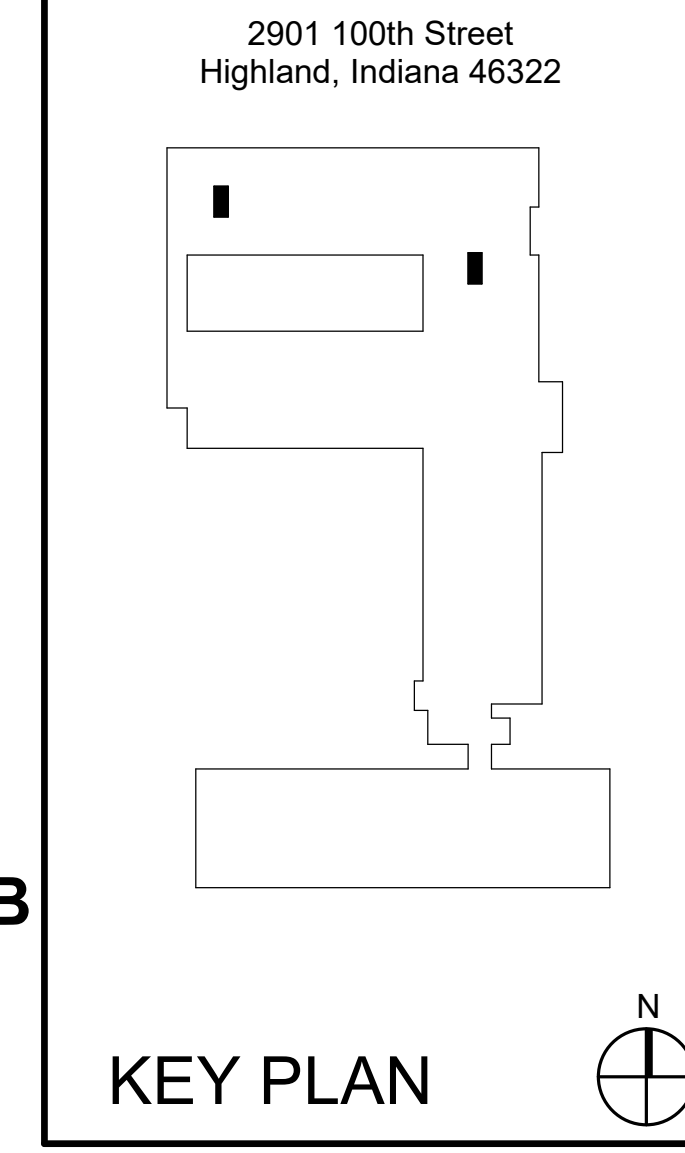
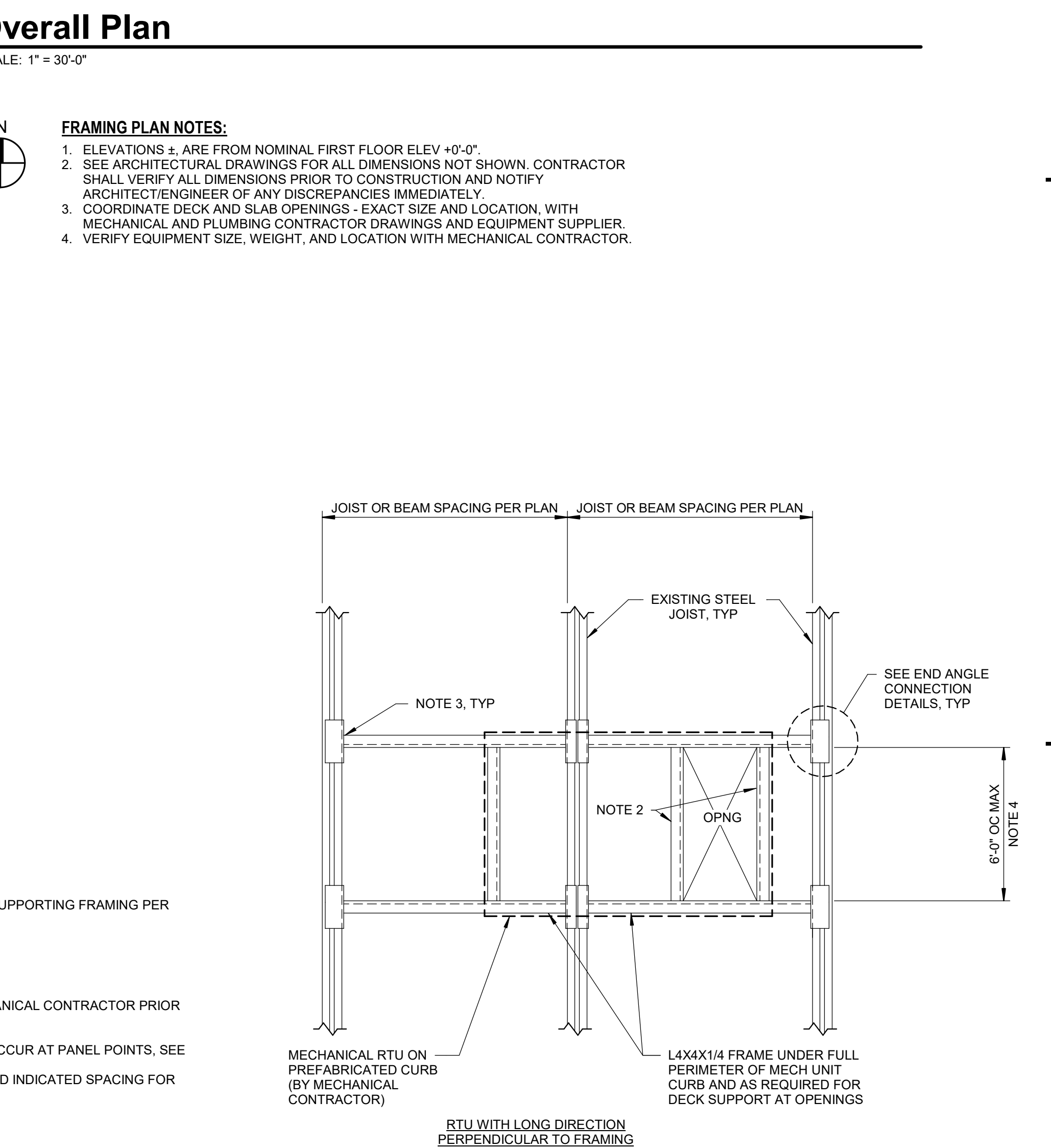
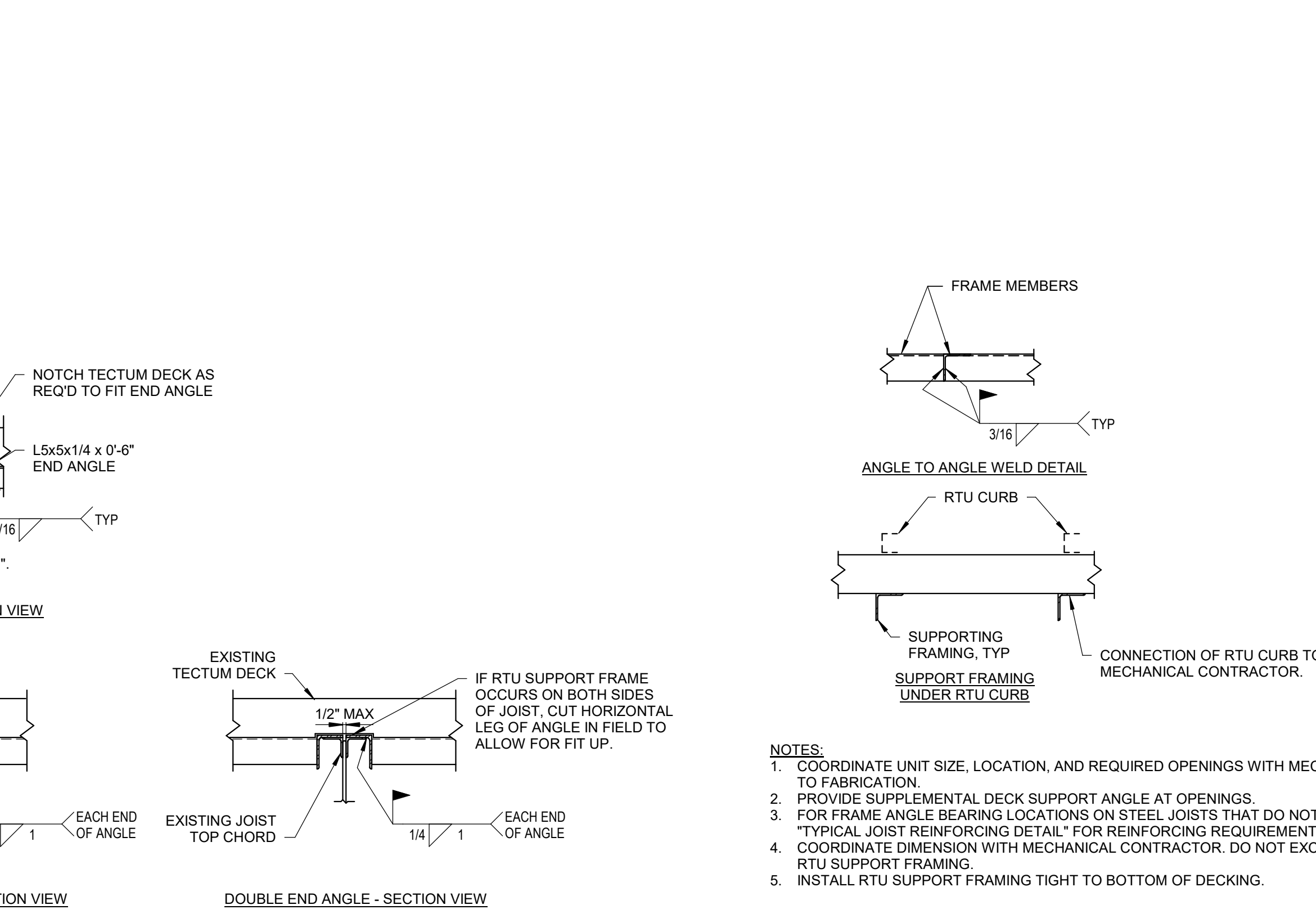
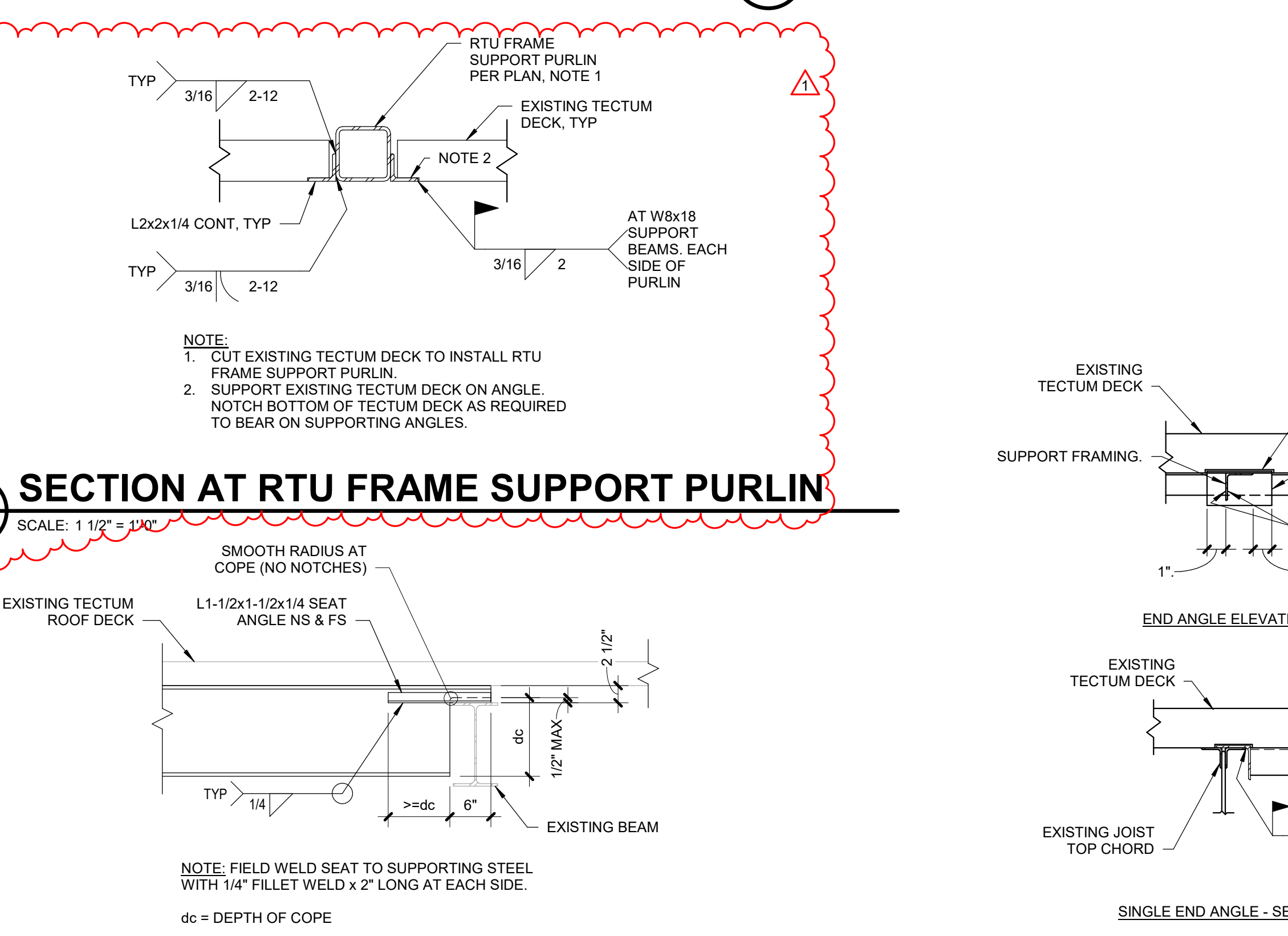
#	NOTE
A	ADD W8x18 BEAM TO SUPPORT SOUTH END OF RTU. SUPPORT WEST END ON CMU WALL. SUPPORT EAST END BY CONNECTING TO EXISTING WIDE FLANGE GIRDER.
B	EXISTING FRAMING IN THIS LOCATION IS UNKNOWN. FIELD VERIFY. PROVIDE SUPPORT AT DUCT OPENING PER "TYPICAL RTU SUPPORT AT EXISTING FRAMING DETAIL."




SECTION AT RTU FRAME SUPPORT PURLIN
 SCALE: 1 1/2" = 1'-0"

NOTES:

- CUT EXISTING TECTUM DECK TO INSTALL RTU FRAME SUPPORT PURLIN.
- SUPPORT EXISTING TECTUM DECK ON ANGLE. NOTCH BOTTOM OF TECTUM DECK AS REQUIRED TO BEAR ON SUPPORTING ANGLES.



School Town of Highland



JOHNSTON ELEMENTARY

E

D

C

B

A

E

D

C

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A

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052100 STEEL JOIST NOTES

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ABBREVIATIONS LIST

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ACI	ABOVE	OA	OVERALL
ADDL	ADDITIONAL	OC	ON CENTER
ADH	ADHESIVE	OD	OUTSIDE DIAMETER
ADJ	ADJACENT	OF	OUTSIDE FACE
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BD	BOTTOM CHORD	PT	PRESSURE TREATED
BLDG	BOND BEAM	PTN	PARTITION
BLK	BOND BEAM	R	RADIUS
BLW	BOTTOM CHORD	RD	ROOF DRAIN
BM	BUILDING	REF	REFERENCE
BOTT	BLOCK	REINF	REINFORCE(D) (ING) (MENT)
BP	BELOW	REJD	REQUIRED
BRDG	BEAM	REV	REVISION/REVISED
BRK	BRIDGING	RFD	ROUGH OPENING
BS	BEARING	RFD	ROUGH RELIEF DRAIN
BSMT	BREAK	RTN	RETURN
BTWN	BOTH SIDES	RTU	ROOF TOP UNIT
BUC	BASEMENT	RW	RETAINING WALL
C	BETWEEN	SCHED	SCHEDULE
C/C	BUILT UP COLUMN	SECT	SECTION
CANT	CAMBER	SHET	SHEET
CAISS	CENTER TO CENTER	SIM	SIMILAR
CFS	CANTILEVER	SJ	SAWCUT JOINT
CJ	CAISSON	SJI	STEEL JOIST INSTITUTE
CL	COLD FORMED STEEL	SL	SLOPED
CLR	CONTROL AND/OR CONSTRUCTION JOINT	SPEC	SPECIFICATIONS
CMR	CENTERLINE	SQ	SQUARE
COL	CONCRETE MASONRY UNIT	SS	STAINLESS STEEL
COL	COLUMN	SSL	SHORT SLOTTED HOLES
COORD	COORDINATE	STD	STANDARD
COMP	COMPACTED	STIFF	STIFFENERS
CONC	CONCRETE	STL	STEEL
CONC	CONCRETE	STRUC	STRUCTURAL
CONN	CONNECTION	SYMM	SYMMETRICAL
CONST	CONSTRUCTION	T&B	TOP AND BOTTOM
CONT	CONTINUOUS	T&G	TONGUE AND GROOVE
CONTR	CONTRACTOR	TEMP	TEMPERATURE
CTR	CENTER	TF	TRENCH FOOTING
CTRD	CENTERED	THK	THICK
DIA	DIAMETER	THKS	THICKENED SLAB
DIAG	DIAGONAL	THRD	THREADED
DIM	DIMENSION	TL	TOTAL LOAD
DL	DEAD LOAD	TOPG	TOPPING
DLT	DEEP LEG TRACK	TRANS	TRANSVERSE
DO	DITTO	TYP	TYPICAL
DN	DOWN	UNO	UNLESS NOTED OTHERWISE
DTL	DETAIL	VERT	VERTICAL
DWG	DRAWING	VIF	VERIFY IN FIELD
DWL	DOWEL	W	WITH
EACH	EACH	WD	WOOD
EA	EACH END	WO	WINDOW OPENING (MASONRY)
EE	EACH FACE	WP	WORKING POINT
EJ	EXPANSION JOINT	WT	WEIGHT
ENG	ENGINEER	WWF	WELDED WIRE FABRIC
ELEV	ELEVATION		ELEVATION TOP AND BOTTOM OF LIST
ELECT	ELECTRICAL	T/	"ELEVATION, TOP OF"
EOD	EDGE OF DECK	B/	"ELEVATION, BOTTOM OF"
EOS	EDGE OF SLAB	JBRG	JOIST BEARING ELEVATION
EQ	EQUAL	T&B	TOP OF BOND BEAM
EQUIV	EQUIVALENT	T/BM	TOP OF BEAM
ES	EACH SIDE	T/CONC	TOP OF CONCRETE
EW	EACH WAY	TF	TOP OF FOOTING
EXIST	EXISTING	T/LDG	TOP OF LEDGE
EXT	EXPANSION	T/MAS	TOP OF MASONRY
F	FACE	TP	TOP OF PIER
F/	FACE OF	T/SLAB	TOP OF SLAB
FD	FLOOR DRAIN	T/STL	TOP OF STEEL
FDN	FOUNDATION	T/W	TOP OF WALL
FIN	FINISH	T/GB	TOP OF GRADE BEAM
FLR	FLOOR	T/CAIS	TOP OF CAISSON
FLG	FLANGE	B/PL	BOTTOM OF PLATE
FS	FARSIDE	B/F	BOTTOM OF FOOTING
FTG	FOOTING		SPECIAL CHARACTERS
FV	FIELD VERIFY	°	DEGREE
GA	GAUGE	+	PLUS OR MINUS
GALV	GALVANIZED	Ø	ELEVATION
GB	GRADE BEAM	Ø	DIAMETER
GC	GENERAL CONTRACTOR		
GL	GLULAM		
GR	GRADE		
HC	HOLLOW CORE		
HD	HOLD DOWN		
HGT	HEIGHT		
HI	HIGH		
HK	HOOK		
HORIZ	HORIZONTAL		
HP	HIGH POINT		
HS	HEADED STUD		
HSS	HOLLOW STRUCTURAL SECTION		
ID	INSIDE DIAMETER		
IF	INSIDE FACE		
INFO	INFORMATION		
INT	INTERIOR		
INV	INVERT		
JST	JOIST		
JT	JOINT		
K	KIP		
KO	KNOCK OUT		
LB	POUND		
LDG	LEDGE		
LG	LONG		
LL	LIVE LOAD		
LLH	LONG LEG HORIZONTAL		
LLV	LONG LEG VERTICAL		
LNTL	LINTEL		
LSL	LONG SLOTTED HOLES		
LONG	LONGITUDINAL		
LP	LOW POINT		
LVL	LAMINATED VENEER LUMBER		
MAS	MASONRY		
MATL	MATERIAL		
MAX	MAXIMUM		
MBM	METAL BUILDING MFR		
MCJ	MASONRY CONTROL JT		
MECH	MECHANICAL		
MEZZ	MEZZANINE		
MFR	MANUFACTURER		
MIN	MINIMUM		
MIS	MISCELLANEOUS		
MO	MASONRY OPENING		
MOM	MOMENT		
MSW	MASONRY SHEAR WALL		
MSL	MEAN SEA LEVEL		
MTL	METAL		
NO	NUMBER		
NS	NEAR SIDE		
NTS	NOT TO SCALE		



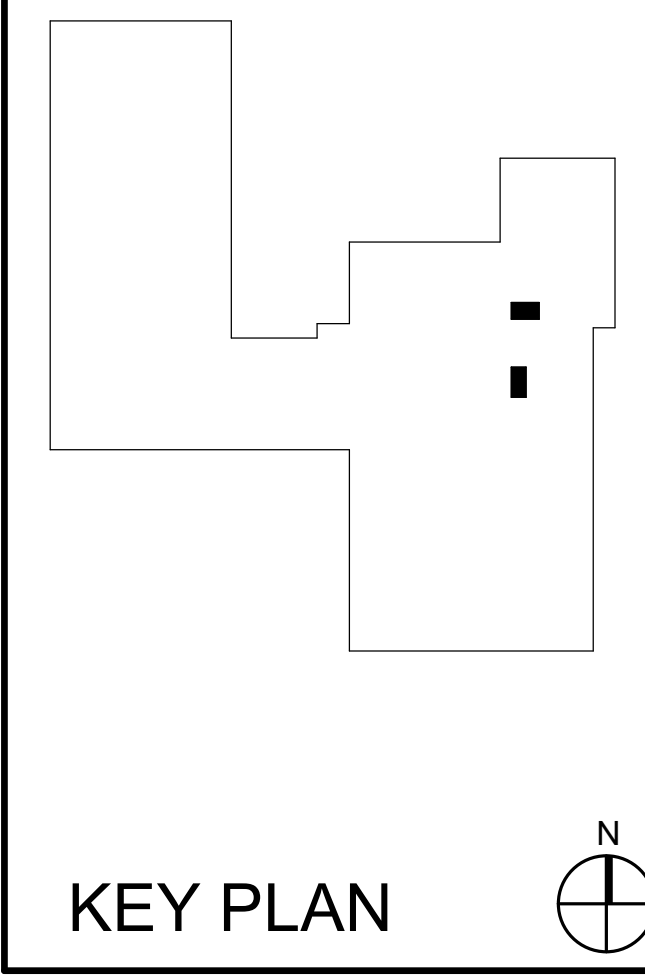
Project No. 2024-098.H23
 Project Date 12.11.2024
 Produced DAB RC



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#	Revision	Date
1	Addendum 1	01.06.2025

9340 5th Street
 Highland, IN 46322



MERKLEY ELEMENTARY

GENERAL NOTES & ABBREVIATIONS

S001.2

E

D

C

B

A

E

D

C

B

A

GENERAL NOTES

As used in these General Notes:
'Drawings' means the latest structural design drawings, uno.
'Specifications' means the latest project specifications, uno.
'Contract Documents' is defined as the design drawings and the specifications.
'SER' is defined as the structural engineer of record for the structure in its final condition.
'Design Professionals' is defined as the owner's architect.
'MEP' includes, but is not limited to Mechanical, Electrical, Plumbing, Fire Protection.
'Contractor' is defined to include any of the following: General Contractor and their Subcontractors, Construction Manager and their Subcontractors, Structural Steel Fabricator or Structural Steel Erector.
'Base Building Structure' is defined as the structural frame designed by JQOL Global LLC.
'Structure in its final condition' means all structural elements shown on the structural contract documents are installed and completely connected and inspected with no outstanding non-compliance issues.
The Contractor is solely responsible for the stability of the structure until the construction of the structure reaches its final condition.
The Contractor is responsible for coordination of the Structural work with the Architectural, Civil, MEP contract documents, as well as any other applicable trades. The architectural, mechanical, electrical and plumbing aspects are not in the scope of these drawings. Therefore, all required materials and work may not be indicated. Refer to architectural drawings for all dimensions not shown on these drawings. Locations, sizes and numbers of all openings may not be completely indicated in the structural drawings. The respective contractor shall verify their work with all other disciplines.
The contractor is solely responsible for the design, installation, and removal of temporary bracing and construction supports, for new and existing structures, as necessary to complete the project. No portion of the project while under construction is intended to be stable in the absence of the contractor's temporary supports and bracing. Contractor shall retain a structural engineer licensed in the state in which the project is located to design temporary bracing and construction supports.
The contract documents represent the structure only. They do not indicate the method of construction. The contractor shall provide all measures necessary to protect the structure during construction. Such measures shall include, but not limited to, bracing, shoring, underpinning, etc. The Engineer of Record is not responsible for the contractor's means, methods, techniques, sequences or safety procedures during construction.
The contractor shall verify all existing dimensions and conditions and coordinate with the structural drawings, architectural drawings, drawings from other consultants, project shop drawings and field conditions.
Apply details, sections, and notes on the drawings where conditions are similar to those indicated by detail, detail title or note.
Only use dimensions indicated on the drawings. Do not scale drawings.
Assume equal spacing between established dimensions, if not indicated on drawings.
The contractor shall verify that construction loads do not exceed the capacity of the structure at the time the load is applied.
Reactions and forces indicated are unfactored. Allowable Strength Design (ASD) loads.
If Drawings and specifications are in conflict, the most stringent restrictions and requirements shall govern.
Notes and details shall take precedence over general structural notes. Where no details or sections are shown, construction shall conform to similar work on the project. Typical sections and details may not be cut on the plans, but apply unless noted otherwise.
Verify all existing conditions prior to any construction or fabrication. If different than shown, notify engineer/architect immediately for modification of drawings.

CODES AND DESIGN CRITERIA

Table with 4 columns: CODES, Building Code, Local Building Code, Code Standard, Steel Standard, Masonry Standard, Risk Category, ROOF LOADS, SNOW DESIGN CRITERIA.

051200 STRUCTURAL STEEL NOTES

All structural steel shall conform to the following:
W Shapes ASTM A992, Grade 50.
Angles, Channels, Plates, Bars ASTM A36 (Fy=36 ksi)
HSS Tubes ASTM A500, Grade C (Fy=50 ksi)
All steel shall be detailed, fabricated and erected in accordance with:
• AISC 360 "Specification for Structural Steel Buildings", Allowable Strength Design (ASD)
• AISC 303 "Code of Standard Practice"
All bolted connections shall be made with 3/4" diameter, A325 bolts with nuts and washers, unless otherwise noted. All connections shall be shear bearing connections tightened to snag-tight condition, unless otherwise noted.
All shop and field welds shall be made using E70 electrodes or equivalent.
Splices shall be allowed only at locations specifically indicated on the structural drawings unless approved otherwise by the SER in writing.
For steel members and embedments exposed to weather, provide hot-dipped galvanized finish, uno.
Field modification of structural steel is prohibited without prior approval of the architect and structural engineer.
Steel fabricator shall obtain the size and location of all openings for grilles, louvers, etc. before proceeding with the fabrication and erection of any required frames.

052100 STEEL JOIST NOTES

During the reinforcing process, the heat generated from welding can reduce the capacity of the existing joists. Therefore the existing joists shall be temporarily shored and/or the existing RTUs shall be removed prior to and during reinforcing.
Do not damage existing joists or bridging during the installation of joist reinforcing or RTU support frames.
Prepare existing joists to receive weld per current AISC and AWS standards.
Repair paint or primer at weld locations to match existing conditions.
Where joist reinforcing and/or RTU support framing are exposed in the final condition, paint to match existing condition.

ABBREVIATIONS LIST

Table with 3 columns: Abbreviation, Full Name, and Alternative Name. Includes items like ANCHOR RODS, ABOVE, AMERICAN CONCRETE INSTITUTE, etc.



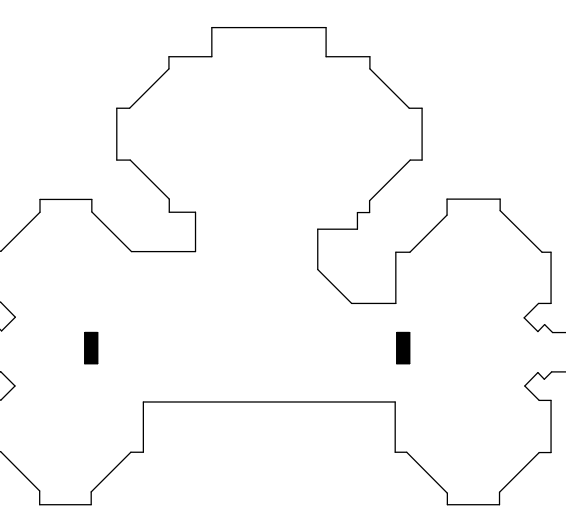
Project No. 2024-098.H23
Project Date 12.11.2024
Produced TBD RC



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Revision table with columns: #, Revision, Date. Row 1: Addendum 1, 01.06.2025

2901 100th Street
Highland, Indiana 46322



SCHOOL TOWN OF
Highland
WARREN
ELEMENTARY



WARREN
ELEMENTARY

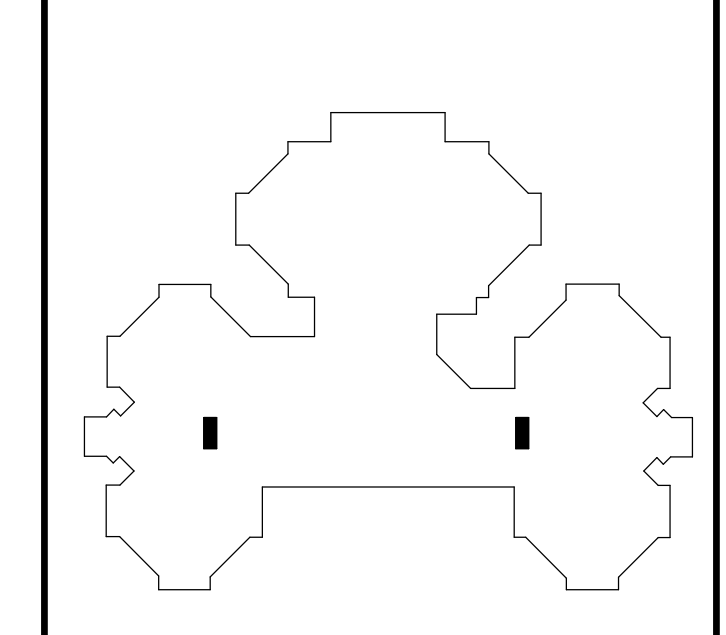
GENERAL NOTES &
ABBREVIATIONS

S001.3

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#	Revision	Date
1	Addendum 1	01.06.2025

2901 100th Street
 Highland, Indiana 46322



KEY PLAN

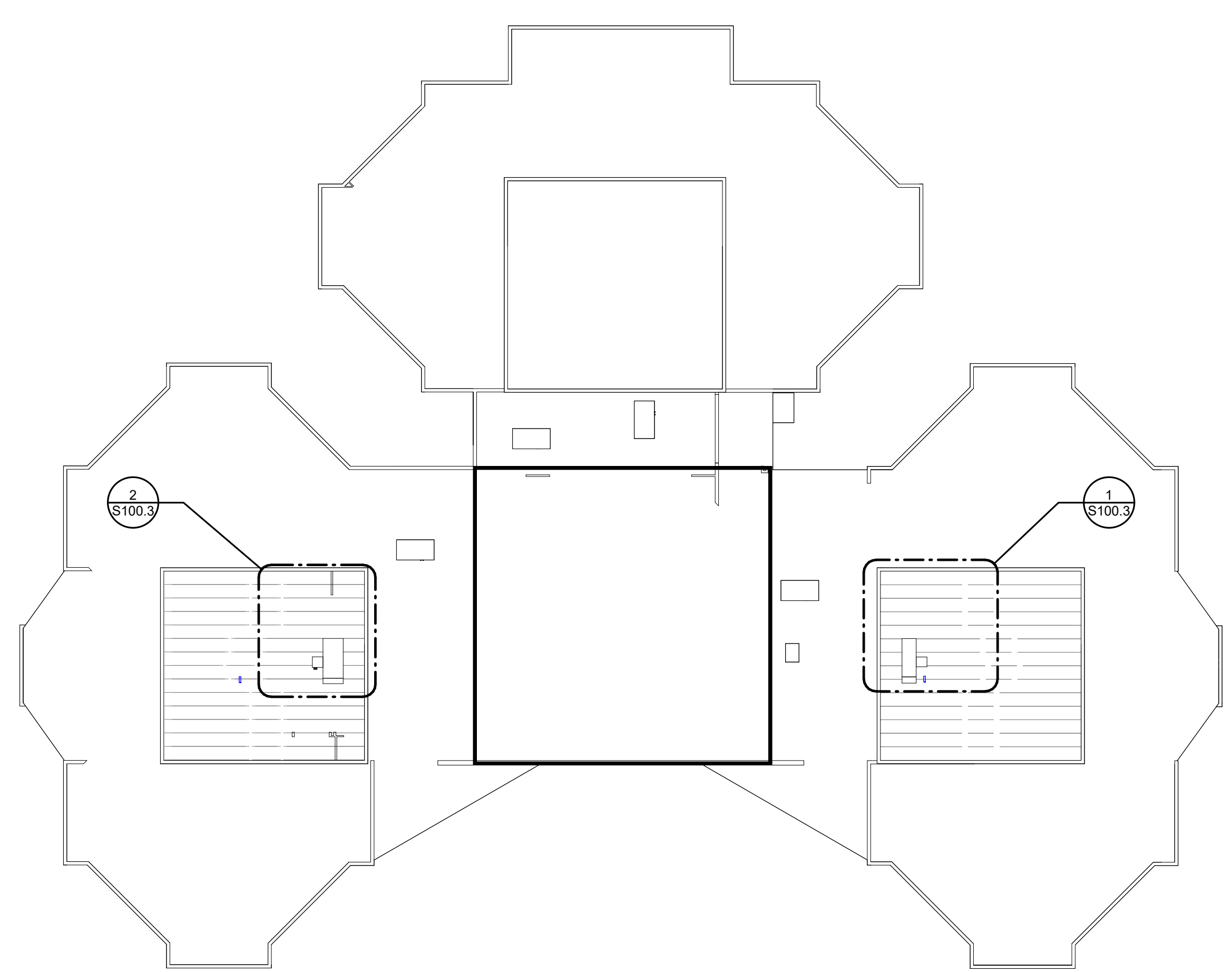
School Town of Highland



WARREN ELEMENTARY

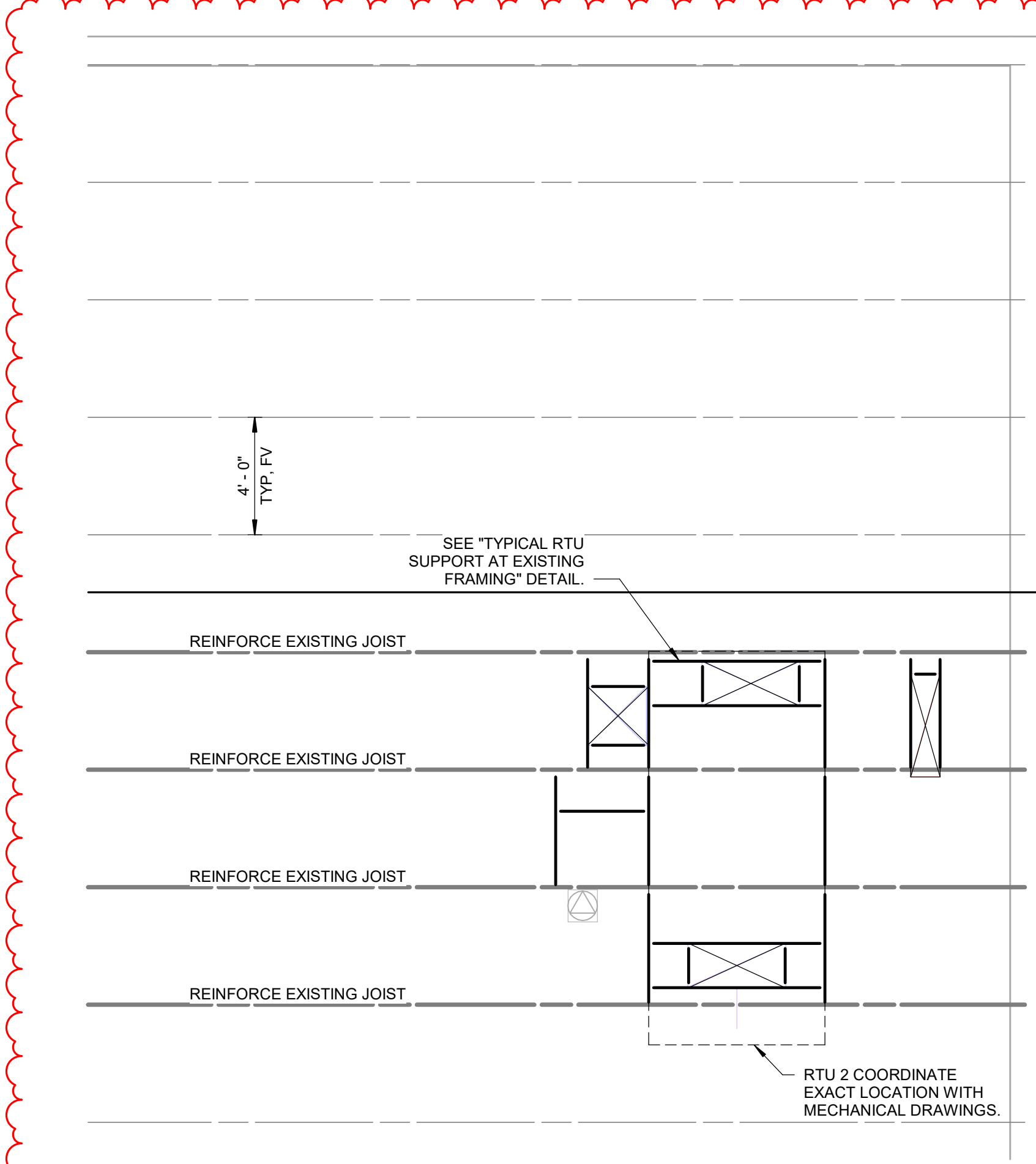
STRUCTURAL PLANS & DETAILS

S100.3



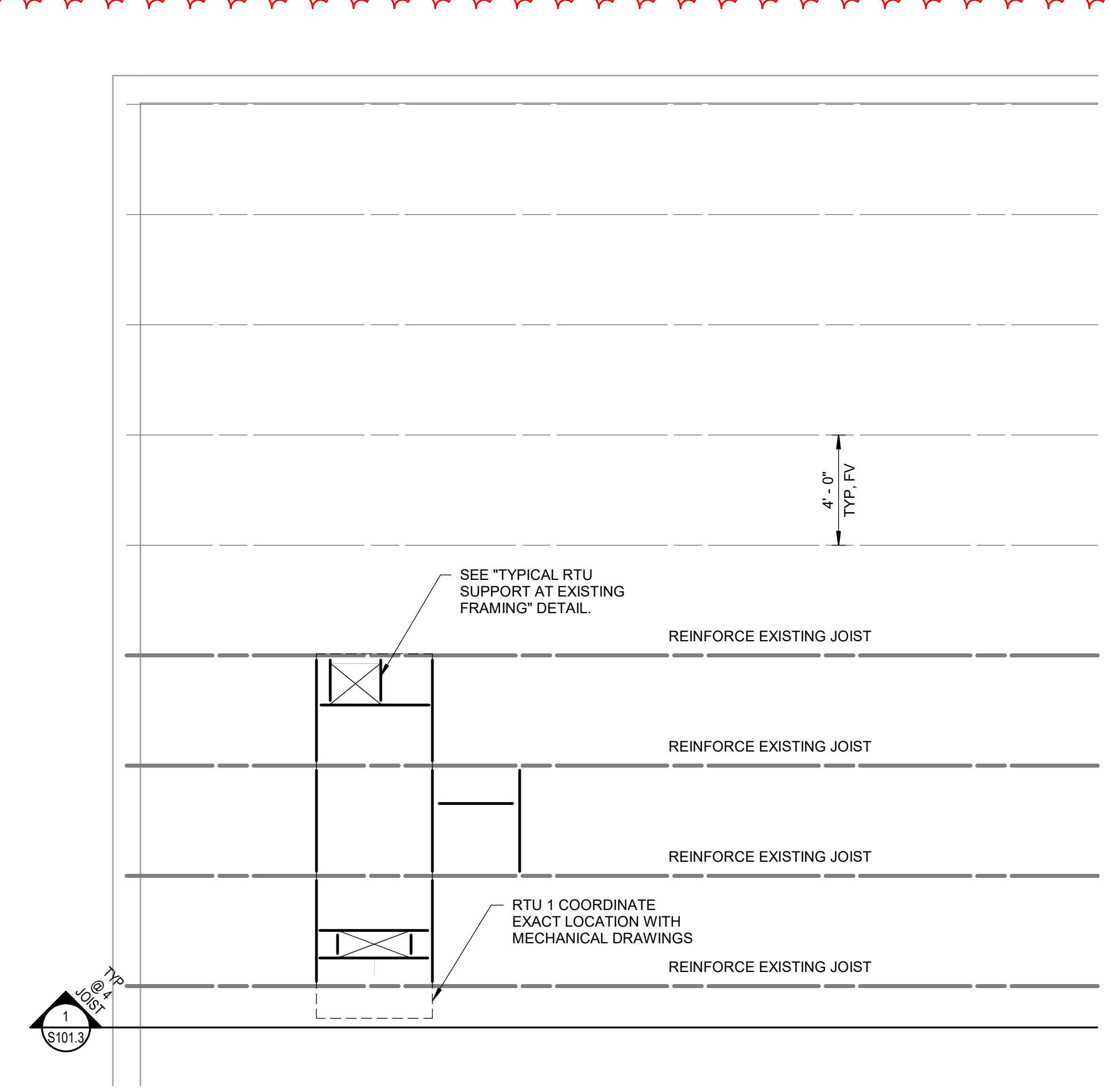
Overall plan
 SCALE: 1" = 30'-0"

- FRAMING PLAN NOTES:**
- ELEVATIONS ± ARE FROM NOMINAL FIRST FLOOR ELEV +0'-0".
 - SEE ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS NOT SHOWN. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION AND NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES IMMEDIATELY.
 - COORDINATE DECK AND SLAB OPENINGS - EXACT SIZE AND LOCATION, WITH MECHANICAL AND PLUMBING CONTRACTOR DRAWINGS AND EQUIPMENT SUPPLIER.
 - VERIFY EQUIPMENT SIZE, WEIGHT, AND LOCATION WITH MECHANICAL CONTRACTOR.



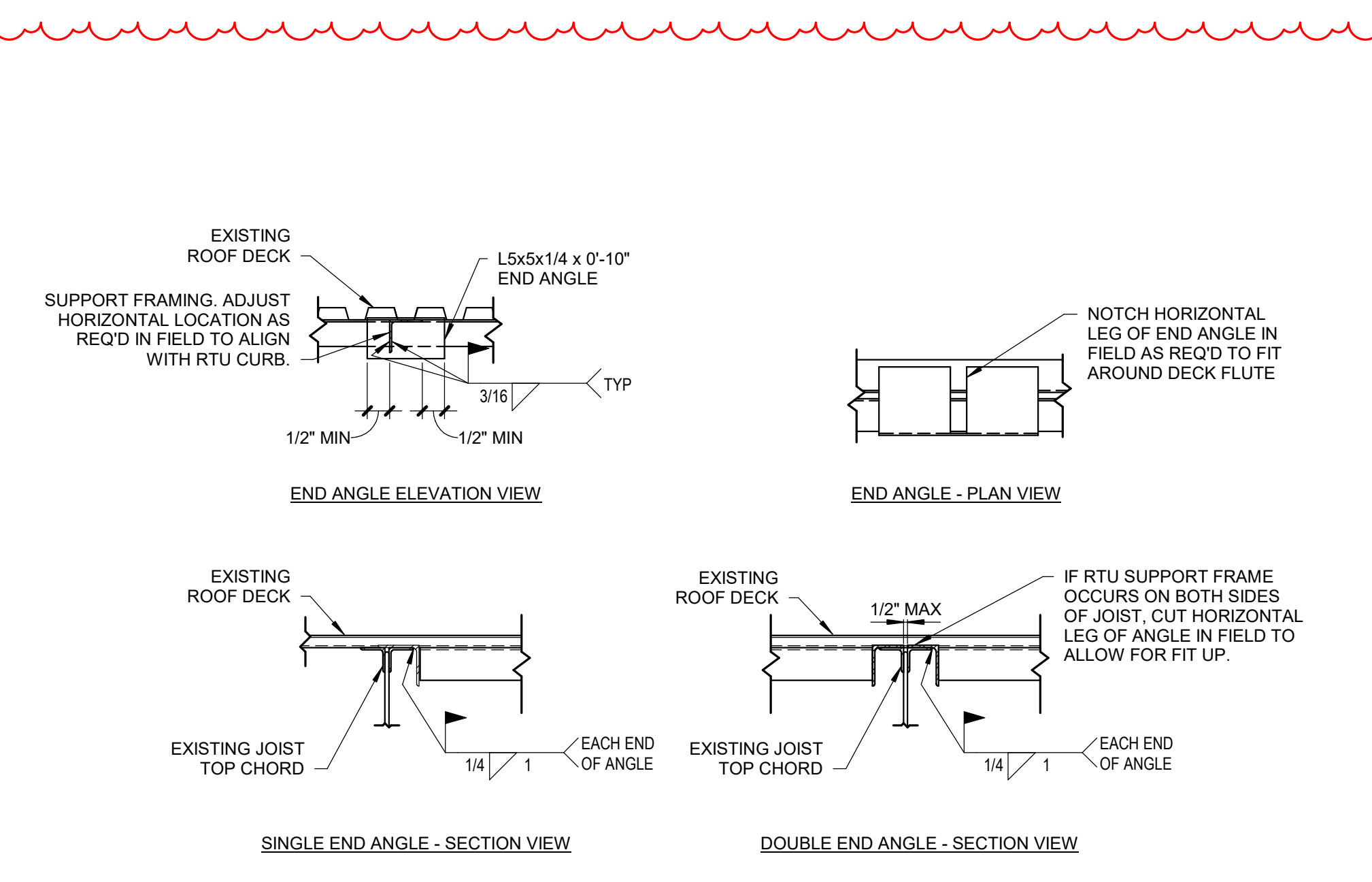
RTU 2 Callout
 SCALE: 1/4" = 1'-0"

- FRAMING PLAN NOTES:**
- ELEVATIONS ± ARE FROM NOMINAL FIRST FLOOR ELEV +0'-0".
 - SEE ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS NOT SHOWN. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION AND NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES IMMEDIATELY.
 - COORDINATE DECK AND SLAB OPENINGS - EXACT SIZE AND LOCATION, WITH MECHANICAL AND PLUMBING CONTRACTOR DRAWINGS AND EQUIPMENT SUPPLIER.
 - VERIFY EQUIPMENT SIZE, WEIGHT, AND LOCATION WITH MECHANICAL CONTRACTOR.

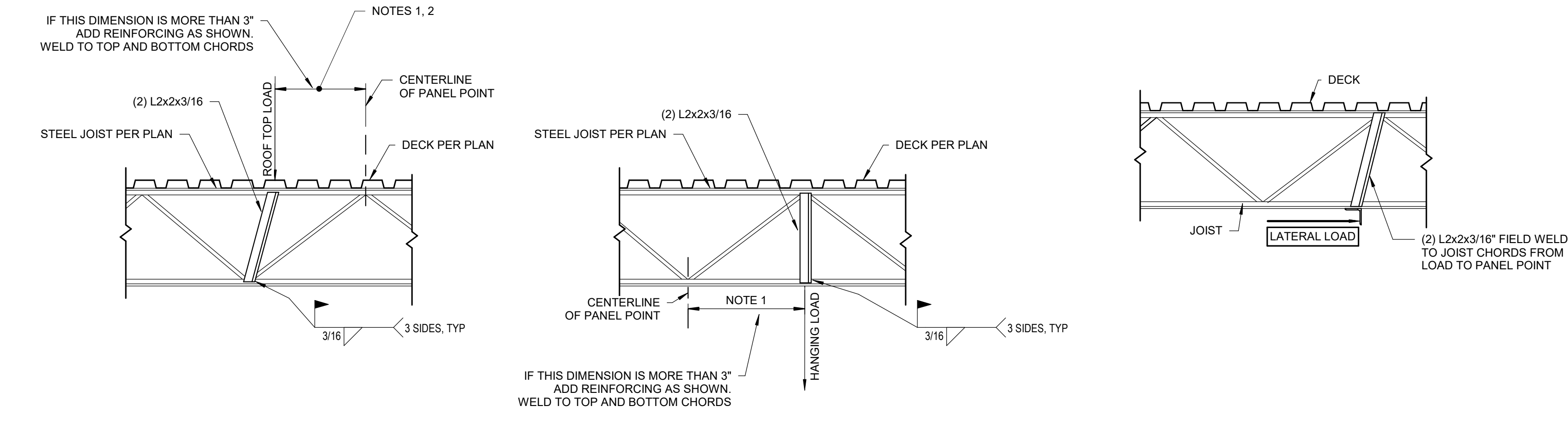


RTU 1 Call out
 SCALE: 1/4" = 1'-0"

- FRAMING PLAN NOTES:**
- ELEVATIONS ± ARE FROM NOMINAL FIRST FLOOR ELEV +0'-0".
 - SEE ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS NOT SHOWN. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION AND NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES IMMEDIATELY.
 - COORDINATE DECK AND SLAB OPENINGS - EXACT SIZE AND LOCATION, WITH MECHANICAL AND PLUMBING CONTRACTOR DRAWINGS AND EQUIPMENT SUPPLIER.
 - VERIFY EQUIPMENT SIZE, WEIGHT, AND LOCATION WITH MECHANICAL CONTRACTOR.



TYPICAL RTU SUPPORT AT EXISTING FRAMING
 SCALE: 3/4" = 1'-0"



TYP JOIST REINFORCING
 SCALE: 3/4" = 1'-0"

- NOTES:**
- PROVIDE REINFORCING AS SHOWN FOR ALL CONCENTRATED LOADS GREATER THAN 100 LBS APPLIED TO UNTOPPED DECK OR DIRECTLY TO STEEL JOIST. IF THE TOTAL WEIGHT OF MULTIPLE CONCENTRATED LOADS APPLIED IN A SINGLE PANEL BETWEEN PANEL POINTS EXCEEDS 100 LBS, PROVIDE REINFORCING AS SHOWN.
 - REINFORCING AS SHOWN IS NOT REQUIRED FOR LOADS APPLIED TO TOP SURFACE OF SLABS ON METAL DECK, UNO.
 - FOR EXISTING JOISTS, FIELD VERIFY INSTALLATION CAN BE PERFORMED AS INDICATED. NOTIFY STRUCTURAL ENGINEER TO COORDINATE ALTERNATE REINFORCEMENT DETAIL(S) IF EXISTING JOIST MEMBER LAYOUT WILL NOT PERMIT INSTALLATION AS SHOWN.

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 PROJECT: 2024-098.H23
 DRAWING: S100.3
 SHEET: 1 OF 1

