ADDENDUM NO. 4

May 9, 2022

Greenfield Central High School Auditorium Renovation and Addition – Bid Package No. 1
810 N. Broadway
Greenfield, IN 46140

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 April 12, 2022, by Lancer+Beebe LLC. Acknowledge receipt of the Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of Page ADD 4-1 and Drawing Sheets: S101L, S102L, S103L, S201, S202, S202D, S610, S611, S620, S621, S622, and S623.

LANCER + BEEBE, LLC
Project # 21107

ADDENDUM NO. FOUR

PROJECT: GREENFIELD CENTRAL – AUDITORIUM RENOVATION AND ADDITION

PROJECT NUMBER: 21107

DATE OF ADDENDUM: MAY 9, 2022

THIS ADDENDUM FORMS A PART OF THE CONTRACT DOCUMENTS AND IS ISSUED IN ACCORDANCE WITH THE INSTRUCTIONS TO BIDDERS. ACKNOWLEDGE RECEIPT OF THIS ADDENDUM BY SIGNING THE ADDENDUM ACKNOWLEDGMENT SECTION OF THE BID FORM.

Q+A LOG: PLEASE REVIEW THE ATTACHED QUESTION AND ANSWER LOG.

SPECIFICATIONS:

1. NONE

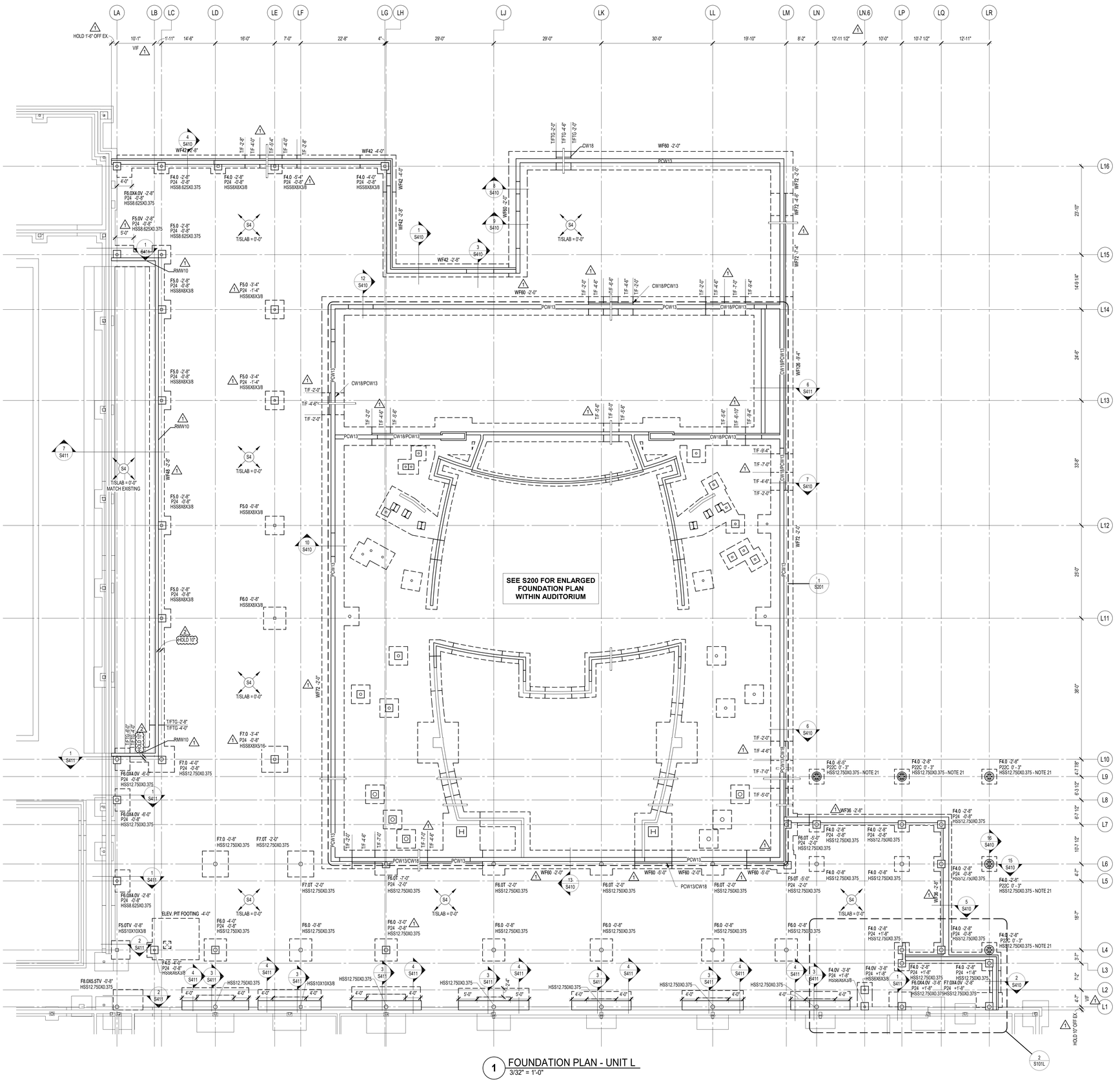
DRAWINGS:

2. S101L – FOUNDATION PLAN – UNIT L
    a. ADDED SOME DIMENSIONS
3. S102L – LOW ROOF AND FLOOR FRAMING PLAN – UNIT L
    a. ADDED 14/S610 CUT ON PLAN
    b. ADDED SLAB EDGE DIMENSIONS

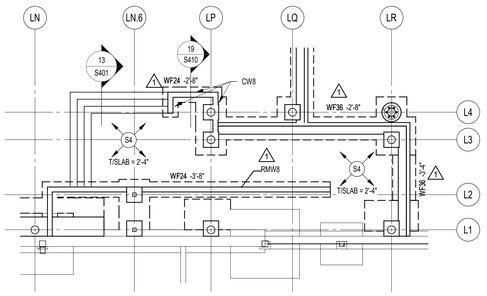
4. S103L – MID ROOFS FRAMING PLAN – UNIT L
    a. ADD 5 & 6 ON S611 FOR CURTAIN WALL HEAD SUPPORT
5. S201 – ENLARGED AUDITORIUM FOUNDATION PLAN
    a. ADDED M15 MAT FOUNDATION DIMENSION PLAN
6. S202 – ENLARGED AUDITORIUM BALCONY FRAMING PLAN
    a. ADDED DIMENSIONS DEFINING BALCONY FRAMING GEOMETRY
7. S202D – ENLARGED AUDITORIUM BALCONY FRAMING PLAN
    a. ADDED NEW PLAN DEFINING BALCONY SLAB GEOMETRY
8. S610 – FRAMING SECTIONS
    a. ADJUSTED DETAIL 18 & 20
9. S611 – FRAMING SECTIONS
    a. ADDED DETAILS 5 & 6
    b. NOTED THAT DETAILS 11 & 12 ARE NOT USED.
    c. ADJUSTED DETAIL 13
10. S620 – FRAMING SECTIONS
    a. ADDED NOTE TO DETAIL A
    b. ADDED GRAPHICAL DETAILS AND DIMENSIONS TO DETAIL C
11. S621 – FRAMING SECTIONS
    a. ADDED GRAPHICAL DETAILS AND DIMENSIONS TO DETAIL D-J
12. S622 – FRAMING SECTIONS
    a. ADDED GRAPHICAL DETAILS AND DIMENSIONS TO DETAIL K-P
13. S623 – FRAMING SECTIONS
    a. ADDED GRAPHICAL DETAILS AND DIMENSIONS TO DETAIL Q

ATTACHMENTS: DRAWINGS LISTED ABOVE.

END OF ADDENDUM NO. FOUR



1 FOUNDATION PLAN - UNIT L
3/32" = 1'-0"



2 ENLARGED FOUNDATION PLAN - UNIT L
1/8" = 1'-0"

FOUNDATION PLAN NOTES

1. REF. S001 & S002 FOR STRUCTURAL NOTES, DESIGN DATA & SCHEDULES.
2. ALL CONTRACTORS ARE REQUIRED TO COORDINATE THEIR WORK WITH ALL DISCIPLINES TO AVOID CONFLICTS. THE MECHANICAL, ELECTRICAL, AND PLUMBING ASPECTS ARE NOT IN THE SCOPE OF THESE DRAWINGS. THEREFORE, ALL REQUIRED MATERIALS AND WORK MAY NOT BE INDICATED.
3. COORDINATE EXACT SIZE & LOCATION OF ALL MECHANICAL OPENINGS IN FOUNDATION WALLS WITH THE MECHANICAL, ELECTRICAL & PLUMBING CONTRACTORS.
4. ALL ELEVATIONS ARE REFERENCED FROM THE FIRST FLOOR FINISH FLOOR ELEVATION 0'-0" (U.S.G.S. 893.10). REF. CIVIL DWGS.
5. REF. ARCH. DRAWINGS FOR ALL DIMENSIONS NOT SHOWN. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION AND IMMEDIATELY NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
6. REF. S400 & S401 FOR TYPICAL FOUNDATION DETAILS.
7. NOTE: PERIMETER WALL AND COLUMN FOOTINGS SHALL BE LOWERED AND/OR SLEEVED TO PASS BELOW PLUMBING LINES (I.E. SANITARY & STORM SEWERS, WATER LINES, ETC.) SHOWN ON THE PLUMBING DRAWINGS. PROVIDE FOOTING STEPS AS REQUIRED PER THE TYPICAL DETAILS ON S400.
8. ALL SLAB RECESSES SHALL BE LOCATED PER THE ARCHITECTURAL DRAWINGS. COORDINATE DEPTHS OF ALL SLAB RECESSES WITH THE ARCHITECTURAL DRAWINGS AND/OR THE FLOORING SUPPLIER.
9. COORDINATE REINFORCING DOWELS FOR CMU VERTICAL REINFORCING WITH REINF. NOTED ON PLANS & SECTIONS.
10. GROUT ALL CORES OF CMU BELOW FINISH FLOOR SOLID.
11. COLUMN FOOTINGS, TRENCH FOOTINGS AND WALL FOOTINGS SHALL BEAR ON APPROVED SOIL. UNDERCUT AS REQ'D TO SUITABLE BEARING MATERIAL AS DETERMINED BY THE GEOTECHNICAL TESTING AGENCY. REF. TYPICAL FOOTING UNDERCUT DETAIL ON S400. UNDERCUTTING TO SUITABLE BRG. MATERIAL IS NOT REQUIRED FOR GRADE BEAMS. REFERENCE ELEVATIONS IN PARENTHESES (-XX'-X") FOR APPROXIMATE ELEVATION TO SUITABLE BEARING STRATA TO BE USE FOR BIDDING PURPOSES.
12. COLUMN FOOTINGS SUPPORTING MORE THAN ONE COLUMN SHALL BE CENTERED AT THE MIDPOINT BETWEEN THE COLUMNS, UNLESS NOTED OTHERWISE ON PLAN.
13. NOT USED
14. PROVIDE CONTINUOUS 4" H. x W. VARIES CONCRETE CURB ON ACOUSTIC ISOLATION SLABS IN MECHANICAL ROOMS. CURBS TO SURROUND ALL PENETRATIONS THRU SLAB INCLUDING COLUMNS, PIPES, SUMP PITS, ETC.
15. ALL EX. CONSTRUCTION SHOWN IN PLAN AND/OR SECTION WAS DERIVED FROM EXISTING DRAWINGS AND MUST BE FIELD VERIFIED. IF ANY DISCREPANCIES ARE DISCOVERED BETWEEN INFO. SHOWN ON THE DRAWINGS AND ACTUAL CONDITIONS IMMEDIATELY CONTACT ARCHITECT/ENGINEER FOR DIRECTION BEFORE PROCEEDING WITH THE WORK.
16. PROVIDE THICKENED SLAB UNDER ALL INTERIOR CMU WALLS WITHOUT FOOTINGS. SEE S401 FOR THICKENED SLAB DETAIL. LAYOUT THICKENED SLABS FROM DIMENSIONS ON THE ARCHITECT FLOOR PLANS.
17. PROVIDE CONTROL/CONTRACTION JOINTS IN SLABS ON GRADE (REF. THE TYPICAL DETAILS ON SHEET S401). ALL JOINTS IN SLABS TO RECEIVE THIN OR THICK-SET TERRAZZO, CERAMIC OR PORCELAIN TILE, VINYL-COMPOSITION TILE (VCT) OR VINYL SHEET GOODS, EPOXY OR SIMILAR THIN-FILM FINISH FLOORING SHALL BE CAREFULLY COORDINATED WITH THE FLOORING CONTRACTOR. THE CONTRACTOR SHALL SUBMIT SLAB JOINT LAYOUT TO ARCHITECT/ENGINEER FOR REVIEW PRIOR TO PLACING SLABS.
18. WHERE PIERS OCCUR WITHIN A LARGER ARCH. PILASTER OR COLUMN ENCLOSURE (FOR EG. PCWs WITHIN 40" SQUARE CANOPY PILASTERS) PROVIDE PIER REINF. CAGE CENTERED ON THE GRID INTERSECTION. FORM OVERALL PIER TO PROFILE OF THE ARCHITECTURAL PILASTER OR COLUMN ENCLOSURE. LAYOUT PILASTERS FROM DIMENSIONS ON THE ARCHITECTURAL PLANS & DETAILS.
19. FOR ARCHITECTURAL PILASTERS NOT SUPPORTING STEEL COLUMNS, CONSTRUCT AS FULLY-GROUTED MASONRY PIERS OR CAST-IN-PLACE CONCRETE PIERS REINF'D W/ #5 VERTICAL REINFORCING AT 12" O.C. ALL FACES, AT CONTRACTOR'S OPTION.
20. NOT USED
21. PROVIDE CASTCONNEX ART-12.75 + UPC-8.625 / ART-324 + UPC-219 AT TOP AND BOTTOM OF COLUMN.
22. PLAN LEGEND:

F.F.	DENOTES FINISH FLOOR
T/'X'	DENOTES TOP OF FTG., GRADE BEAM, SLAB, PIER, ETC.
B/'X'	DENOTES BOTTOM OF FTG., GRADE BEAM, ETC.
C.J.	DENOTES SLAB ON GRADE CONTROL/CONTRACTION JOINT
WF30 -20'-0"	DENOTES WALL FOOTING MARK & TOP OF FOOTING ELEVATION (SEE WALL FOOTING SCHEDULE)
PC24x24	DENOTES PRECAST CONCRETE COLUMN SIZE, IN INCHES.
N/A	NOT USED
CW16	DENOTES C.I.P. CONCRETE WALL MARK (SEE SCHEDULE)
PCW13	DENOTES PRECAST CONCRETE WALL MARK AND NOMINAL THICKNESS
S4	DENOTES 4" CONC. SLAB-ON-GRADE w/ FIBERFORCE 300 @ 1.5 LB/C.Y. (OR APPROVED EQUAL) & E5 SYSTEM BY SPECIFICATION PRODUCTS, INC. CONSISTING OF: E5 INTERNAL CURE ADMIXTURE @ 4 OZ/CWT & E5 CATALYST SPRAYED ON BETWEEN 800-1,000 SF/GAL OVER 15-MIL CLASS A VAPOR BARRIER OVER 6" COMPACTED GRANULAR FILL (INDOT No. 53)
S5	DENOTES 5" CONC. SLAB-ON-GRADE w/ FIBERFORCE 300 @ 1.5 LB/C.Y. (OR APPROVED EQUAL) & E5 SYSTEM BY SPECIFICATION PRODUCTS, INC. CONSISTING OF: E5 INTERNAL CURE ADMIXTURE @ 4 OZ/CWT & E5 CATALYST SPRAYED ON BETWEEN 800-1,000 SF/GAL OVER 15-MIL CLASS A VAPOR BARRIER OVER 6" COMPACTED GRANULAR FILL (INDOT No. 53)
	DENOTES UTILITY PIPE/CONDUIT TO RUN THROUGH FOUNDATION WALL. NOT ALL MAY BE SHOWN ON THIS DRAWING.
T/F -2'-0" T/F -4'-0" T/F -5'-0"	DENOTES WALL FOOTING WITH STEPS, REF. TYP. DETAIL ON S400 FOOTING STEPS SHOWN ON PLAN REQUIRE COORDINATION BETWEEN TRADES AND MAY REQUIRE ADJUSTMENT.
DENOTES COLUMN SIZE (REF. FRAMING PLANS FOR STUB COL'S NOT ON FDNS)	DENOTES COLUMN FOOTING MARK & TOP OF FTG. ELEVATION (SEE FTG. SCHED.)
	DENOTES PIER MARK & TOP OF PIER ELEVATION (SEE PIER SCHED.)
F5.0 -4'-8" P24 -0'-8"	COLUMN FOOTING
	CONCRETE PIER
	STEEL COLUMN

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GREENFIELD CENTRAL HIGH SCHOOL
AUDITORIUM RENOVATION & ADDITION
810 N BROADWAY ST.
GREENFIELD, IN 46140

SCOTT A. CLORE, INC.
REGISTERED
PE10606154
STATE OF
INDIANA
PROFESSIONAL ENGINEER

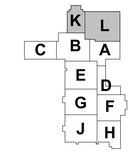
REVISIONS:		
#	Date	Desc.
1	04.29.22	BID PKG. #1 ADD #2
2	05.09.22	BID PKG. #1 ADD #4

100% CONSTRUCTION DOCUMENTS

PROJECT: #21107
DATE: 04.11.2022
DRAWN BY: DJL

FOUNDATION PLAN - UNIT L

S101L



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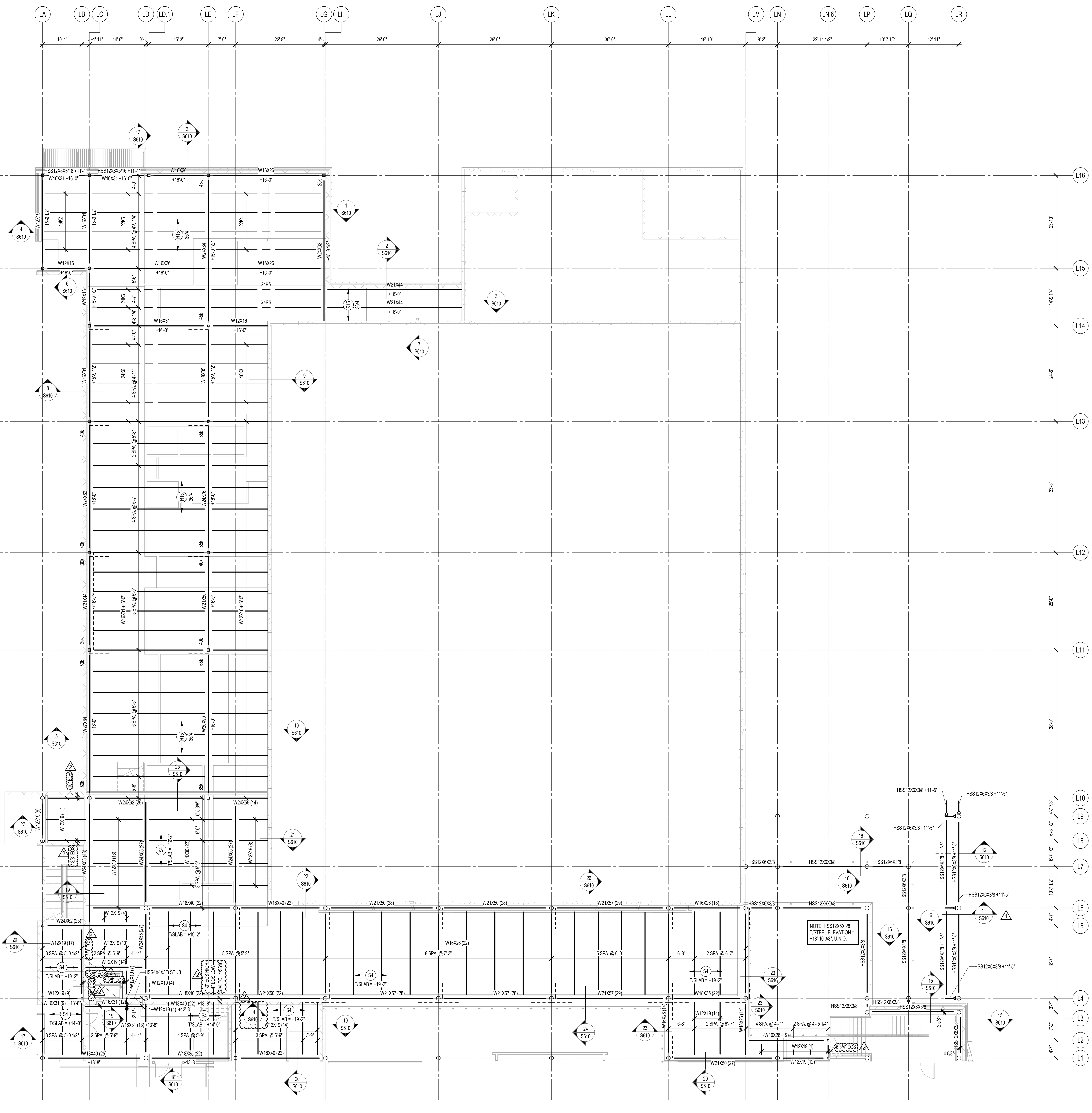


1 LOW ROOF AND FLOOR FRAMING PLAN - UNIT L

3/32" = 1'-0"

NOTE: T/STEEL = +18'-10" U.N.O.

⚠1 FRAMING PLAN NOTES

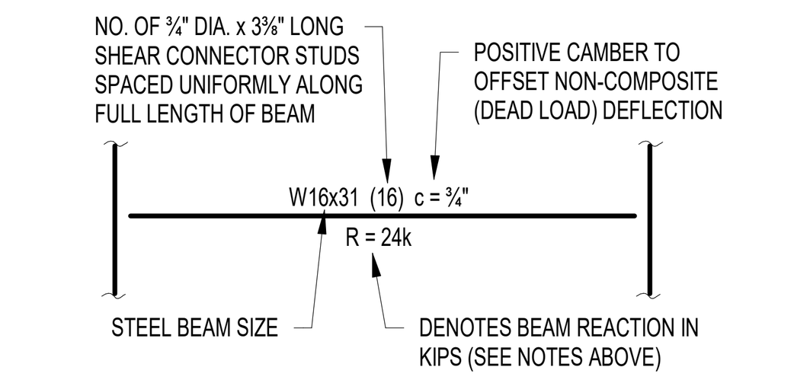
1. REF. S001 & S002 FOR STRUCTURAL NOTES, DESIGN DATA, SCHEDULES & LEGENDS.
2. REF. S500 FOR TYPICAL MASONRY DETAILS AND S600-602 FOR TYPICAL FRAMING DETAILS.
3. ALL CONTRACTORS ARE REQUIRED TO COORDINATE THEIR WORK WITH ALL DISCIPLINES TO AVOID CONFLICTS. THE MECHANICAL, ELECTRICAL, AND PLUMBING ASPECTS ARE NOT IN THE SCOPE OF THESE DRAWINGS. THEREFORE, ALL REQUIRED MATERIALS AND WORK MAY NOT BE INDICATED.
4. ALL ELEVATIONS ARE REFERENCED FROM THE FIRST FLOOR FIN. FLOOR ELEVATION +0'-0". COORD. USGS ELEVATION WITH CIVIL DWGS.
5. SEE FOUNDATION PLANS FOR SIZES OF STEEL COLUMNS SUPPORTED ON FOUNDATIONS.
6. NOT USED
7. NOT USED
8. INSTALL CONTINUOUS BENT PLATE/ANGLE POUR STOPS AT ALL ELEVATED SLAB-ON-DECK PERIMETER EDGES AND AROUND ALL INTERIOR FLOOR OPENINGS (BOTH SHOWN AND NOT SHOWN). SEE DETAIL 5/S601.
9. INSTALL CONTINUOUS ANGLES AT ALL PERIMETER ROOF EDGES. SEE DETAIL 12/S601 FOR ATTACHEMENT TO BEAM/JOIST AND FOR ALL CONDITIONS NO SPECIFICALLY DEFINED IN FRAMING SECTIONS.
10. INSTALL CONTINUOUS CONCRETE CURBS PER DETAIL 14/S601 AROUND THE PERIMETER OF ALL MECHANICAL ROOMS AND AROUND FLOOR PENETRATIONS BOTH SHOWN AND NOT SHOWN INCLUDING STEEL COLUMN PENETRATIONS.
11. ALL WALLS SHALL BE LAID OUT FROM THE ARCHITECTURAL DRAWINGS.
12. REF. ARCH. DRAWINGS. FOR ALL DIMENSIONS NOT SHOWN. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION AND IMMEDIATELY NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
13. COORDINATE EXACT SIZE & LOCATION OF ANY MECHANICAL OPENINGS IN FLOOR SLAB, ROOF DECK, OR WALLS WITH THE MEP CONTRACTOR(S). LOCATION & SIZE OF ALL DUCT OPENINGS, GRILLES, ETC. SHALL BE VERIFIED PRIOR TO CONSTRUCTION.
14. ALL ELEVATIONS SHOWN ON PLAN INDICATE TOP OF STEEL BEAM UNLESS NOTED OTHERWISE.
15. PROVIDE CHANNEL FRAMES AT ALL SUPPORTED SLAB OPENINGS PER TYPICAL DETAIL ON SXXX. COORDINATE EXACT NUMBER, LOCATIONS & DIMENSIONS WITH THE APPROPRIATE CONTRACTORS & THE ARCH. & MEP DRAWINGS.
16. PROVIDE FRAMES AT ALL ROOF DRAINS, ROOF HATCHES & OTHER ROOF OPENINGS PER TYPICAL DETAILS ON S600. COORD. EXACT NUMBER, LOCATIONS & DIMENSIONS WITH THE APPROPRIATE CONTRACTORS & THE ARCH. & MEP DWGS.
17. PROVIDE CMU REINFORCING AS NOTED ON PLANS. IF NOT SHOWN ON PLANS OR DETAILS, MINIMUM CMU WALL REINFORCING TO BE #5 VERTS @ 48" O.C. PROVIDE OPEN-CORE BOND BEAMS AT TOPS OF WALLS, AT CHANGES IN CMU THICKNESS, AND WHERE INDICATED ON PLANS & SECTIONS (10'-0" O.C. MAX VERTICAL SPACING). PROVIDE 1/2 OF INTERRUPTED VERTICALS AT JAMBS OF OPENINGS AND PROVIDE ADDITIONAL VERT'S. AT ENDS OF WALLS.
18. ALL MASONRY BOND BEAMS, OTHER THAN BOND BEAM LINTELS OVER OPENINGS, SHALL BE "OPEN-CORE" BOND BEAMS TO ALLOW VERTICAL REINFORCING TO PASS THROUGH, UNLESS NOTED OTHERWISE.
19. REF. ARCH. DWGS. FOR MASONRY CONTROL & EXPANSION JOINT LOCATIONS.
20. ALL HORIZONTAL AND DIAGONAL BRIDGING FOR STEEL JOISTS SHALL BE DESIGNED, LOCATED & PROVIDED BY THE JOIST SUPPLIER PER SJI SPECIFICATIONS.
21. FOR ESTIMATING AND BIDDING PURPOSES ONLY, ASSUME AN ADDITIONAL 1/2" THICKNESS OF CONCRETE WILL BE NECESSARY FOR ALL ELEVATED SLABS ON METAL DECK. THE INTENT OF THIS REQUIREMENT IS TO ACCOUNT FOR ANTICIPATED DEAD LOAD DEFLECTIONS IN THE SUPPORTING STRUCTURE. THE FINISHED SLAB SHALL MEET THE FLATNESS REQUIREMENTS DEFINED IN THE SPECIFICATION.
22. PLAN LEGEND:

F.F.	DENOTES FIN. FLOOR
T/'X'	DENOTES TOP OF STEEL, SLAB, ETC.
B/'X'	DENOTES BOTTOM OF LINTEL, ETC.
E.O.S. (or EOS)	DENOTES EDGE OF SLAB (MEASURED FROM BEAM C.L.) SEE TYPICAL DETAIL A/S-410
E.O.D. (or EOD)	DENOTES EDGE OF DECK (MEASURED FROM BEAM C.L.) NOTE: PERIMETER ROOF ANGLE/BENT PL NOT REQUIRED
E.O.L. (or EOL)	DENOTES EDGE OF ANGLE (MEASURED FROM BEAM C.L.) SEE TYPICAL DETAIL B/S-410
S4	DENOTES 1½", 20 GA. GALVANIZED COMPOSITE DECK w/ 2½" NW CONC SLAB w/ 6x6-W1.4xW1.4 WWF, TOTAL 't' = 4" & E5 SYSTEM BY SPECIFICATION PRODUCTS, INC. CONSISTING OF: E5 INTERNAL CURE ADMIXTURE @ 4 OZ/CWT & E5 CATALYST SPRAYED ON BETWEEN 800-1,000 SF/GAL
R15	DENOTES 1½", 20 GA. PRIME-PAINTED WIDE RIB STEEL ROOF DECK. SEE S600 FOR MORE INFORMATION
A20	DENOTES 2", 20 GA. ACOUSTICAL GALVANIZED & PRIME-PAINTED DOVETAIL RIB STEEL ROOF DECK. SEE S600 FOR MORE INFORMATION
G1	DENOTES McNICHOLS GHB-150 BAR GRATING WITH 7/16" PLYWOOD/OSB OVER TOP.
P4	NOT USED
	DENOTES HSS BEAM-TO-COLUMN/BEAM MOMENT CONNECTION. REF. DETAIL 11/S610.
	DENOTES BOLTED MOMENT CONNECTION. REF. DETAIL 1/S620.
	DENOTES BEAM-THRU-BEAM MOMENT CONNECTION. REF. DETAIL 9/S601.
	DENOTES BRACED FRAME OR KICKER LOCATION
	DENOTES APPROX. LOCATION OF OPENING IN DECK/SLAB. REF. DETAILS ON S600 FOR TYPICAL OPENING FRAMES. FOR MULTIPLE CLOSELY SPACED OPENINGS, TREAT AS ONE LARGE OPENING.

23. WIDE-FLANGE BEAM & GIRDER NOTATION:

BEAM REACTIONS SHOWN IN KIPS TO BE USED FOR DESIGN OF SHEAR CONNECTION BY STEEL FABRICATOR'S SSE (ALLOWABLE STRESS DESIGN / LOADS UNFACTORED).

REF. THE STEEL CONNECTION NOTES ON S001 FOR DESIGN OF CONNECTIONS AT BEAMS & GIRDERS WITH NO REACTION SHOWN.



TYPICAL COMPOSITE BEAM DIAGRAM

LANCER + BEEBE, LLC
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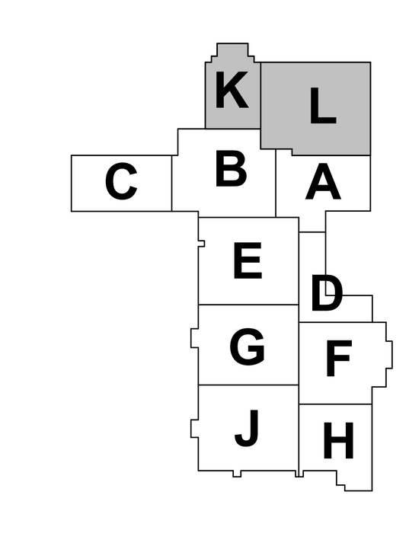
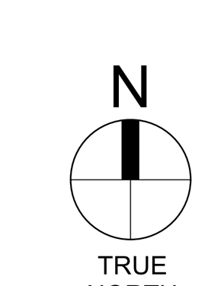
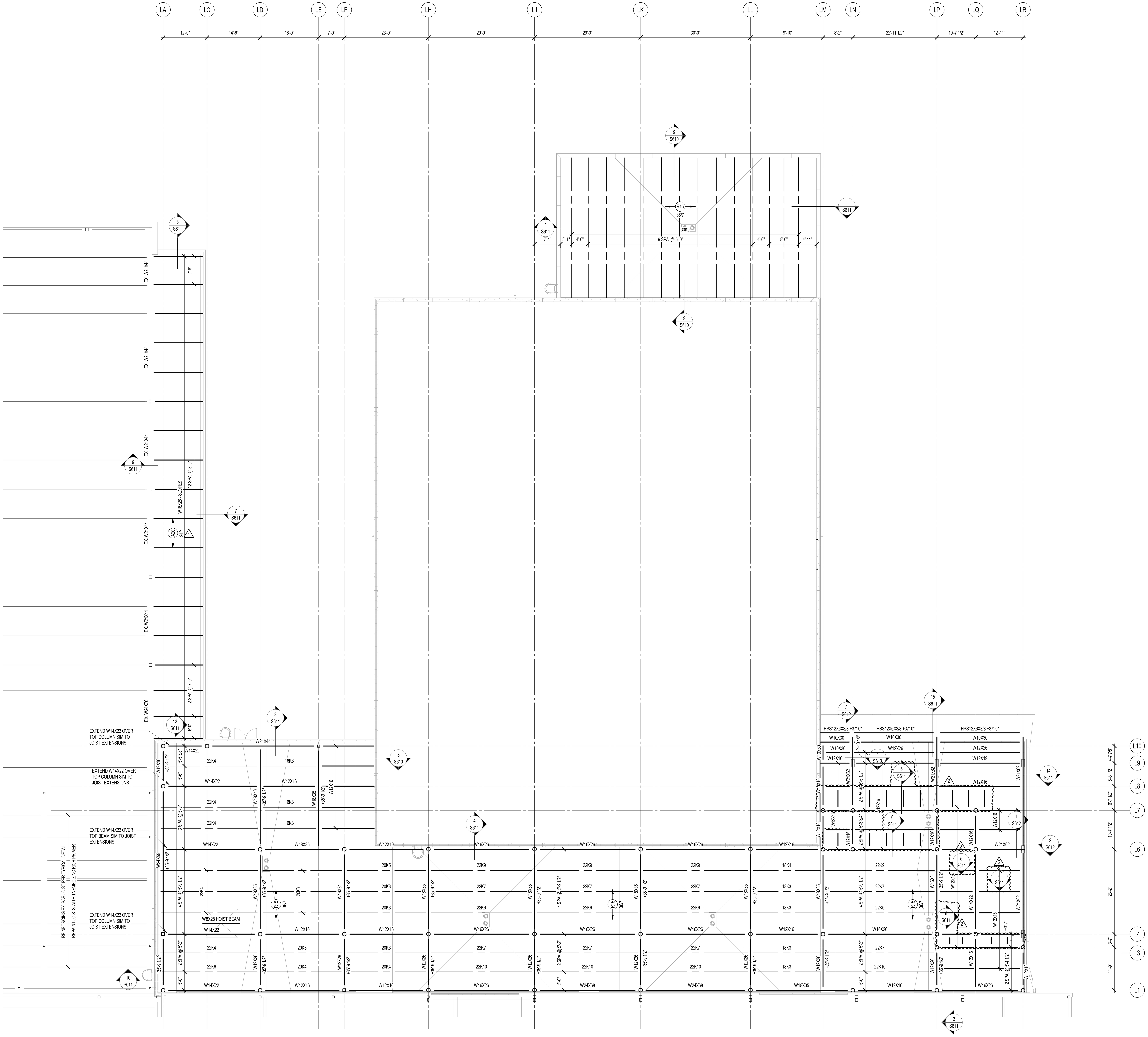
LOW ROOF AND FLOOR FRAMING PLAN - UNIT L





S102L



1 MID ROOFS FRAMING PLAN - UNIT L
3/32" = 1'-0"
NOTE: T/STEEL = +36'-0" U.N.O.

1 FRAMING PLAN NOTES

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5. SEE FOUNDATION PLANS FOR SIZES OF STEEL COLUMNS SUPPORTED ON FOUNDATIONS.
6. NOT USED
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8. INSTALL CONTINUOUS BENT PLATE/ANGLE POUR STOPS AT ALL ELEVATED SLAB-ON-DECK PERIMETER EDGES AND AROUND ALL INTERIOR FLOOR OPENINGS (BOTH SHOWN AND NOT SHOWN). SEE DETAIL 5/S601.
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14. ALL ELEVATIONS SHOWN ON PLAN INDICATE TOP OF STEEL BEAM UNLESS NOTED OTHERWISE.
15. PROVIDE CHANNEL FRAMES AT ALL SUPPORTED SLAB OPENINGS PER TYPICAL DETAIL ON SXXX. COORDINATE EXACT NUMBER, LOCATIONS & DIMENSIONS WITH THE APPROPRIATE CONTRACTORS & THE ARCH. & MEP DRAWINGS.
16. PROVIDE FRAMES AT ALL ROOF DRAINS, ROOF HATCHES & OTHER ROOF OPENINGS PER TYPICAL DETAILS ON S600. COORD. EXACT NUMBER, LOCATIONS & DIMENSIONS WITH THE APPROPRIATE CONTRACTORS & THE ARCH. & MEP DWGS.
17. PROVIDE CMU REINFORCING AS NOTED ON PLANS. IF NOT SHOWN ON PLANS OR DETAILS, MINIMUM CMU WALL REINFORCING TO BE #5 VERTS @ 48" O.C. PROVIDE OPEN-CORE BOND BEAMS AT TOPS OF WALLS, AT CHANGES IN CMU THICKNESS, AND WHERE INDICATED ON PLANS & SECTIONS (10'-0" O.C. MAX VERTICAL SPACING). PROVIDE 1/2 OF INTERRUPTED VERTICALS AT JAMBS OF OPENINGS AND PROVIDE ADDITIONAL VERT'S. AT ENDS OF WALLS.
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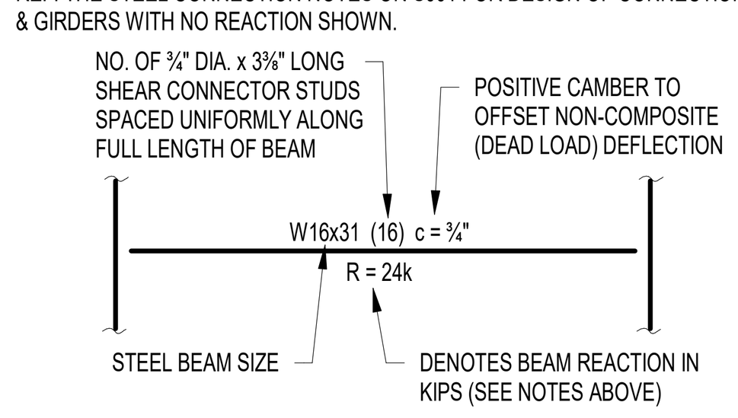
E.O.D. (or EOD)	DENOTES EDGE OF DECK (MEASURED FROM BEAM C.L.) NOTE: PERIMETER ROOF ANGLE/BENT PL NOT REQUIRED
E.O.L. (or EOL)	DENOTES EDGE OF ANGLE (MEASURED FROM BEAM C.L.) SEE TYPICAL DETAIL B/S-410
S4	DENOTES 1½", 20 GA. GALVANIZED COMPOSITE DECK w/ 2½" NW CONC SLAB w/ 6x6-W1.4xW1.4 WWF, TOTAL 't' = 4" & E5 SYSTEM BY SPECIFICATION PRODUCTS, INC. CONSISTING OF: E5 INTERNAL CURE ADMIXTURE @ 4 OZ/CWT & E5 CATALYST SPRAYED ON BETWEEN 800-1,000 SF/GAL
R15	DENOTES 1½", 20 GA. PRIME-PAINTED WIDE RIB STEEL ROOF DECK. SEE S600 FOR MORE INFORMATION
A20	DENOTES 2", 20 GA. ACOUSTICAL GALVANIZED & PRIME-PAINTED DOVETAIL RIB STEEL ROOF DECK. SEE S600 FOR MORE INFORMATION
G1	DENOTES McNICHOLS GHB-150 BAR GRATING WITH 7/16" PLYWOOD/OSB OVER TOP.
P4	NOT USED
	DENOTES HSS BEAM-TO-COLUMN/BEAM MOMENT CONNECTION. REF. DETAIL 11/S610.
	DENOTES BOLTED MOMENT CONNECTION. REF. DETAIL 1/S620.
	DENOTES BEAM-THRU-BEAM MOMENT CONNECTION. REF. DETAIL 9/S601.
	DENOTES BRACED FRAME OR KICKER LOCATION
	DENOTES APPROX. LOCATION OF OPENING IN DECK/SLAB. REF. DETAILS ON S600 FOR TYPICAL OPENING FRAMES. FOR MULTIPLE CLOSELY SPACED OPENINGS, TREAT AS ONE LARGE OPENING.

23. WIDE-FLANGE BEAM & GIRDER NOTATION:

BEAM REACTIONS SHOWN IN KIPS TO BE USED FOR DESIGN OF SHEAR CONNECTION BY STEEL FABRICATOR'S SSE (ALLOWABLE STRESS DESIGN / LOADS UNFACTORED).

REF. THE STEEL CONNECTION NOTES ON S001 FOR DESIGN OF CONNECTIONS AT BEAMS & GIRDERS WITH NO REACTION SHOWN.



TYPICAL COMPOSITE BEAM DIAGRAM

LANCER + BEEBE, LLC
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REGISTERED
PE10606154
STATE OF INDIANA
PROFESSIONAL ENGINEER

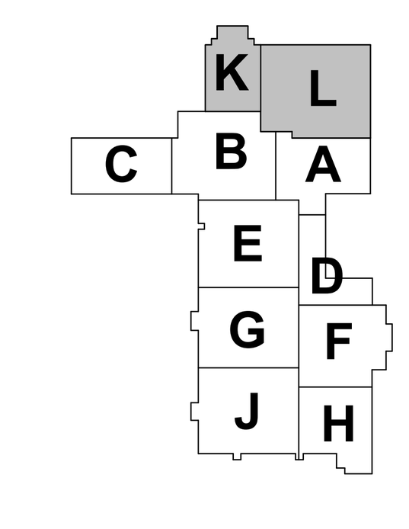
REVISIONS:

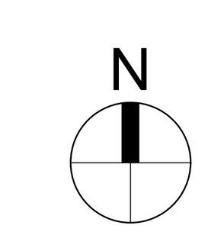
#	Date	Desc.
1	04.29.22	BID PKG. #1 ADD.#2
2	05.09.22	BID PKG. #1 ADD.#4

100% CONSTRUCTION DOCUMENTS

PROJECT: #21107
DATE: 04.11.2022
DRAWN BY: DJL

MID ROOFS FRAMING PLAN - UNIT L





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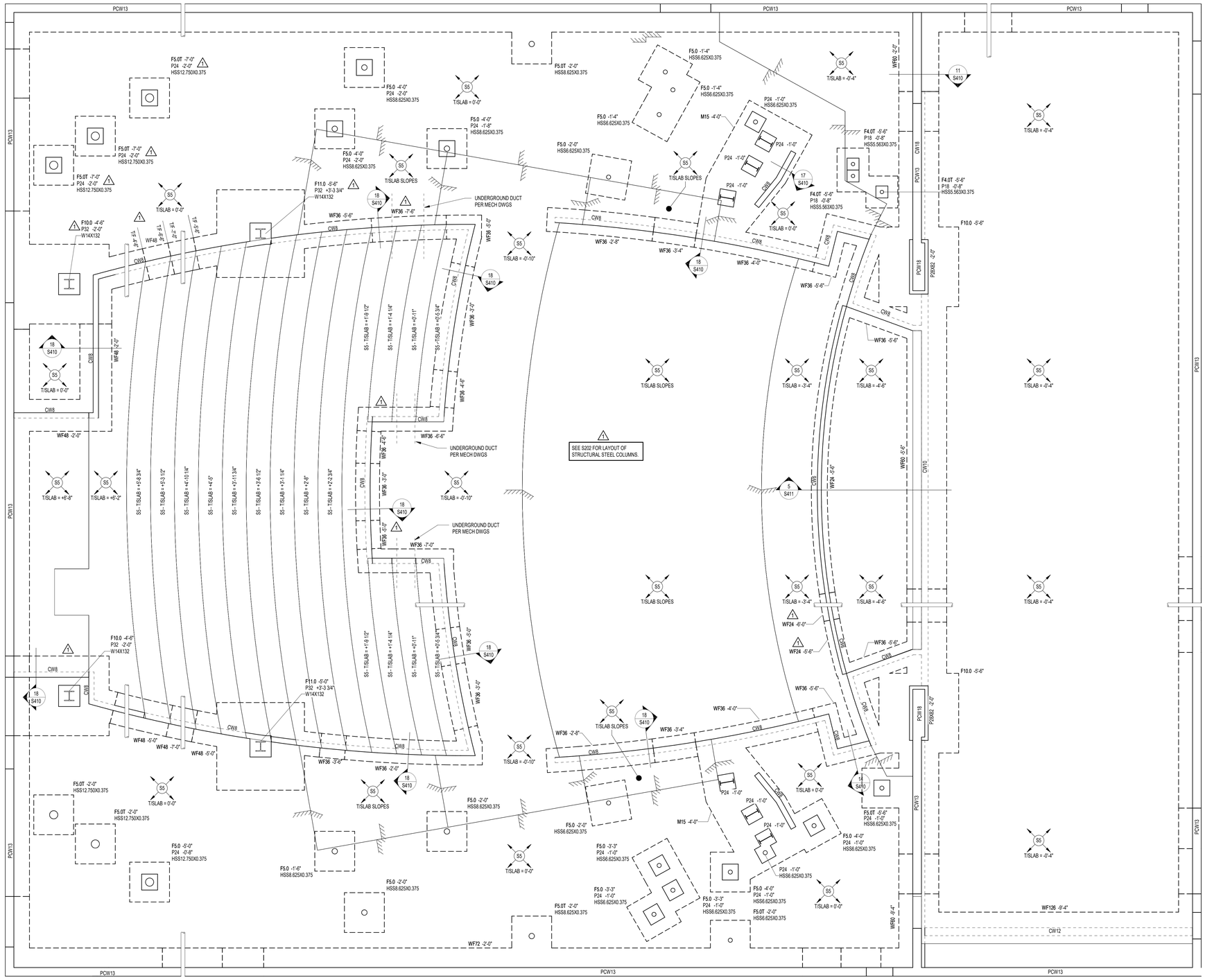
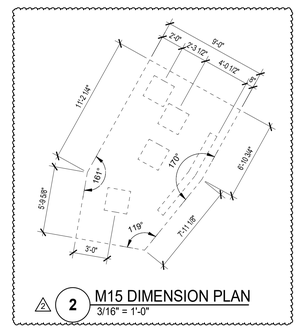


1 ENLARGED AUDITORIUM FOUNDATION PLAN
3/16" = 1'-0"

⚠ FOUNDATION PLAN NOTES

1. REF. S001 & S002 FOR STRUCTURAL NOTES, DESIGN DATA & SCHEDULES.
2. ALL CONTRACTORS ARE REQUIRED TO COORDINATE THEIR WORK WITH ALL DISCIPLINES TO AVOID CONFLICTS. THE MECHANICAL, ELECTRICAL AND PLUMBING ASPECTS ARE NOT IN THE SCOPE OF THESE DRAWINGS. THEREFORE, ALL REQUIRED MATERIALS AND WORK MAY NOT BE INDICATED.
3. COORDINATE EXACT SIZE & LOCATION OF ALL MECHANICAL OPENINGS IN FOUNDATION WALLS WITH THE MECHANICAL, ELECTRICAL & PLUMBING CONTRACTORS.
4. ALL ELEVATIONS ARE REFERENCED FROM THE FIRST FLOOR FINISH FLOOR ELEVATION 0'-0" (U.S.G.S. 893.10). REF. CIVIL DWGS.
5. REF. ARCH. DRAWINGS FOR ALL DIMENSIONS NOT SHOWN. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION AND IMMEDIATELY NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
6. REF. S400 & S401 FOR TYPICAL FOUNDATION DETAILS.
7. NOTE: PERIMETER WALL AND COLUMN FOOTINGS SHALL BE LOWERED AND/OR SLEEVED TO PASS BELOW PLUMBING LINES (I.E. SANITARY & STORM SEWERS, WATER LINES, ETC.) SHOWN ON THE PLUMBING DRAWINGS. PROVIDE FOOTING STEPS AS REQUIRED PER THE TYPICAL DETAILS ON S400.
8. ALL SLAB RECESSES SHALL BE LOCATED PER THE ARCHITECTURAL DRAWINGS. COORDINATE DEPTHS OF ALL SLAB RECESSES WITH THE ARCHITECTURAL DRAWINGS AND/OR THE FLOORING SUPPLIER.
9. COORDINATE REINFORCING DOWELS FOR CMU VERTICAL REINFORCING WITH REINF. NOTED ON PLANS & SECTIONS.
10. GROUT ALL CORES OF CMU BELOW FINISH FLOOR SOLID.
11. COLUMN FOOTINGS, TRENCH FOOTINGS AND WALL FOOTINGS SHALL BEAR ON APPROVED SOIL. UNDERCUT AS REQ'D TO SUITABLE BEARING MATERIAL AS DETERMINED BY THE GEOTECHNICAL TESTING AGENCY. REF. TYPICAL FOOTING UNDERCUT DETAIL ON S400. UNDERCUTTING TO SUITABLE BRG. MATERIAL IS NOT REQUIRED FOR GRADE BEAMS. REFERENCE ELEVATIONS IN PARENTHESES (-XX'-X") FOR APPROXIMATE ELEVATION TO SUITABLE BEARING STRATA TO BE USE FOR BIDDING PURPOSES.
12. COLUMN FOOTINGS SUPPORTING MORE THAN ONE COLUMN SHALL BE CENTERED AT THE MIDPOINT BETWEEN THE COLUMNS, UNLESS NOTED OTHERWISE ON PLAN.
13. NOT USED
14. PROVIDE CONTINUOUS 4" H. x W. VARIES CONCRETE CURB ON ACOUSTIC ISOLATION SLABS IN MECHANICAL ROOMS. CURBS TO SURROUND ALL PENETRATIONS THRU SLAB INCLUDING COLUMNS, PIPES, SUMP PITS, ETC.
15. ALL EX. CONSTRUCTION SHOWN IN PLAN AND/OR SECTION WAS DERIVED FROM EXISTING DRAWINGS AND MUST BE FIELD VERIFIED. IF ANY DISCREPANCIES ARE DISCOVERED BETWEEN INFO. SHOWN ON THE DRAWINGS AND ACTUAL CONDITIONS IMMEDIATELY CONTACT ARCHITECT/ENGINEER FOR DIRECTION BEFORE PROCEEDING WITH THE WORK.
16. PROVIDE THICKENED SLAB UNDER ALL INTERIOR CMU WALLS WITHOUT FOOTINGS. SEE S401 FOR THICKENED SLAB DETAIL. LAYOUT THICKENED SLABS FROM DIMENSIONS ON THE ARCHITECT FLOOR PLANS.
17. PROVIDE CONTROL/CONTRACTION JOINTS IN SLABS ON GRADE (REF. THE TYPICAL DETAILS ON SHEET S401). ALL JOINTS IN SLABS TO RECEIVE THIN OR THICK-SET TERRAZZO, CERAMIC OR PORCELAIN TILE, VINYL-COMPOSITION TILE (VCT) OR VINYL SHEET GOODS, EPOXY OR SIMILAR THIN-FILM FINISH FLOORING SHALL BE CAREFULLY COORDINATED WITH THE FLOORING CONTRACTOR. THE CONTRACTOR SHALL SUBMIT SLAB JOINT LAYOUT TO ARCHITECT/ENGINEER FOR REVIEW PRIOR TO PLACING SLABS.
18. WHERE PIERS OCCUR WITHIN A LARGER ARCH. PILASTER OR COLUMN ENCLOSURE (FOR EG. POA's WITH 40" SQUARE CANOPY PILASTERS) PROVIDE PIER REINF. CAGE CENTERED ON THE GRID INTERSECTION. FORM OVERALL PIER TO PROFILE OF THE ARCHITECTURAL PILASTER OR COLUMN ENCLOSURE. LAYOUT PILASTERS FROM DIMENSIONS ON THE ARCHITECTURAL PLANS & DETAILS.
19. FOR ARCHITECTURAL PILASTERS NOT SUPPORTING STEEL COLUMNS, CONSTRUCT AS FULLY-GROUTED MASONRY PIERS OR CAST-IN-PLACE CONCRETE PIERS REINF'D W/ #5 VERTICAL REINFORCING AT 12" O.C. ALL FACES, AT CONTRACTOR'S OPTION.
20. NOT USED
21. PROVIDE CASTCONNEX ART-12.75 + UPC-B.625 / ART-324 + UPC-219 AT TOP AND BOTTOM OF COLUMN.
22. PLAN LEGEND:

F.F.	DENOTES FINISH FLOOR
T/'X'	DENOTES TOP OF FTG., GRADE BEAM, SLAB, PIER, ETC.
B/'X'	DENOTES BOTTOM OF FTG., GRADE BEAM, ETC.
C.J.	DENOTES SLAB ON GRADE CONTROL/CONTRACTION JOINT
WF30 -20'-0"	DENOTES WALL FOOTING MARK & TOP OF FOOTING ELEVATION (SEE WALL FOOTING SCHEDULE)
PC24x24	DENOTES PRECAST CONCRETE COLUMN SIZE, IN INCHES.
N/A	NOT USED
CW16	DENOTES C.I.P. CONCRETE WALL MARK (SEE SCHEDULE)
PCW13	DENOTES PRECAST CONCRETE WALL MARK AND NOMINAL THICKNESS
S4	DENOTES 4" CONC. SLAB-ON-GRADE w/ FIBERFORCE 300 @ 1.5 LB/C.Y. (OR APPROVED EQUAL) & E5 SYSTEM BY SPECIFICATION PRODUCTS, INC. CONSISTING OF: E5 INTERNAL CURE ADMIXTURE @ 4 OZ/CWT & E5 CATALYST SPRAYED ON BETWEEN 800-1,000 SF/GAL OVER 15-MIL CLASS A VAPOR BARRIER OVER 6" COMPACTED GRANULAR FILL (INDOT No. 53)
S5	DENOTES 5" CONC. SLAB-ON-GRADE w/ FIBERFORCE 300 @ 1.5 LB/C.Y. (OR APPROVED EQUAL) & E5 SYSTEM BY SPECIFICATION PRODUCTS, INC. CONSISTING OF: E5 INTERNAL CURE ADMIXTURE @ 4 OZ/CWT & E5 CATALYST SPRAYED ON BETWEEN 800-1,000 SF/GAL OVER 15-MIL CLASS A VAPOR BARRIER OVER 6" COMPACTED GRANULAR FILL (INDOT No. 53)
	DENOTES UTILITY PIPE/CONDUIT TO RUN THROUGH FOUNDATION WALL. NOT ALL MAY BE SHOWN ON THIS DRAWING.
T/F -2'-8" T/F -4'-0" T/F -5'-4"	DENOTES WALL FOOTING WITH STEPS, REF. TYP. DETAIL ON S400 FOOTING STEPS SHOWN ON PLAN REQUIRE COORDINATION BETWEEN TRADES AND MAY REQUIRE ADJUSTMENT.
DENOTES COLUMN SIZE (REF. FRAMING PLANS FOR STUB COL'S NOT ON FDNS)	F5.0 -4'-6" P24 -0'-8" DENOTES COLUMN FOOTING MARK & TOP OF FTG. ELEVATION (SEE FTG. SCHED.) DENOTES PIER MARK & TOP OF PIER ELEVATION (SEE PIER SCHED.) COLUMN FOOTING CONCRETE PIER STEEL COLUMN



2 M15 DIMENSION PLAN
3/16" = 1'-0"

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PROFESSIONAL ENGINEER

REVISIONS:

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1	04.29.22	BID PKG. #1 ADD. #2
2	05.09.22	BID PKG. #1 ADD. #4

100% CONSTRUCTION DOCUMENTS

PROJECT: #21107
DATE: 04.11.2022
DRAWN BY: DJL

ENLARGED AUDITORIUM FOUNDATION PLAN

S201

K L C B A E D G F J H

N TRUE NORTH

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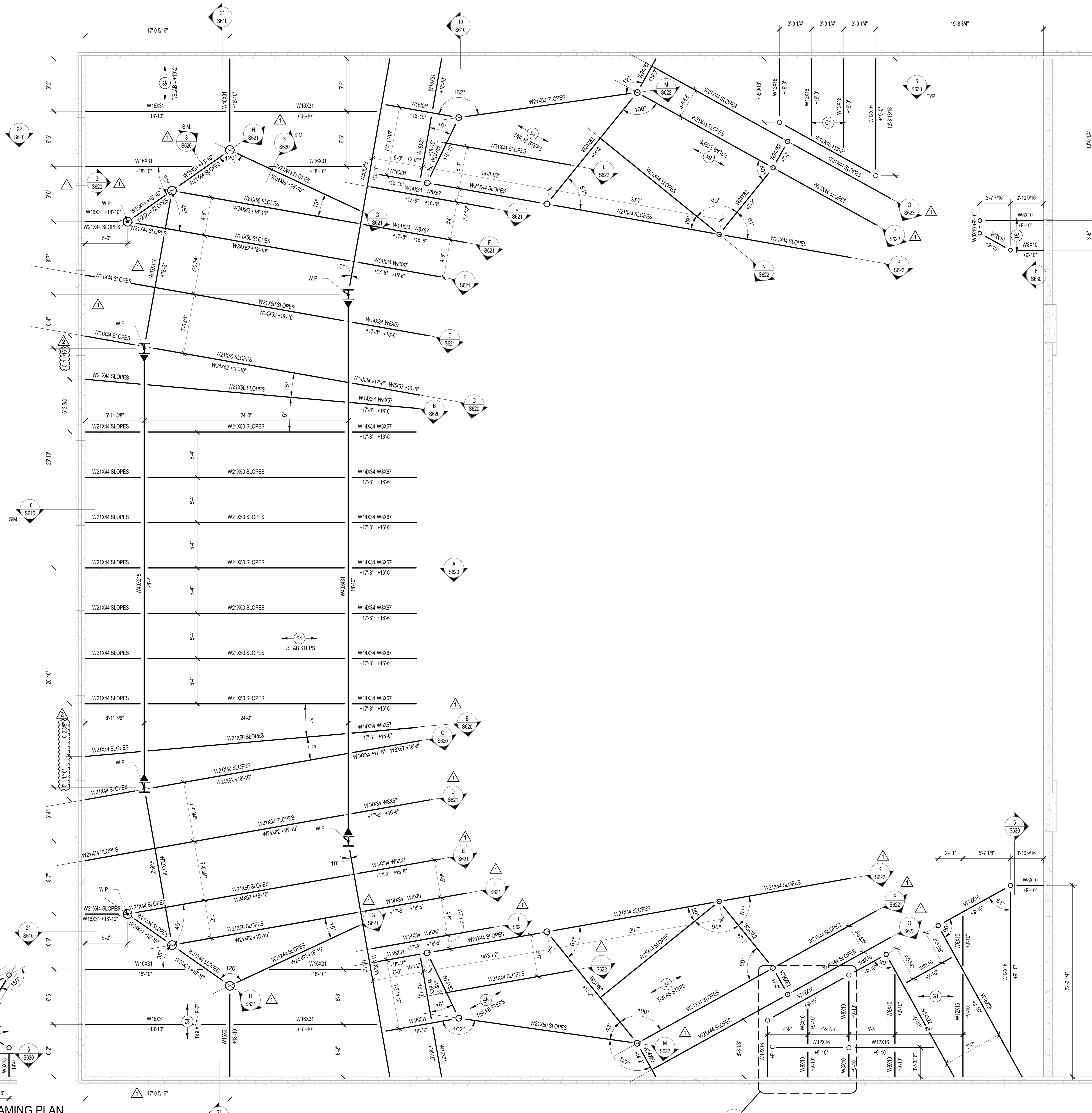
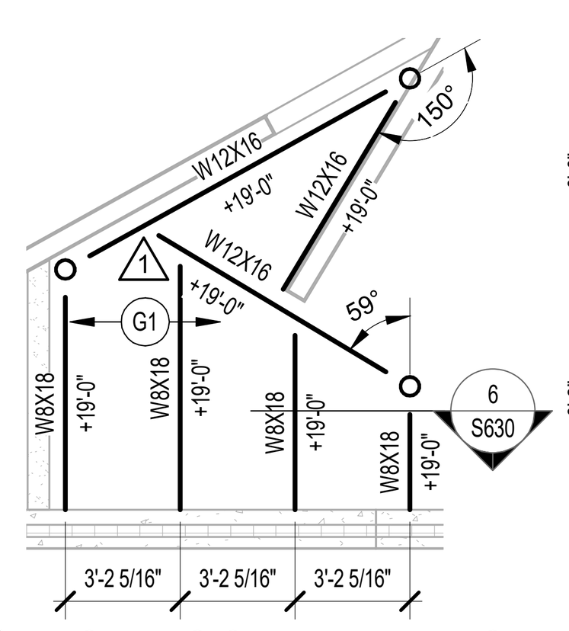


1 ENLARGED AUDITORIUM BALCONY FRAMING PLAN
3/16" = 1'-0"



2 BOX BOOM FRAMING PLAN
3/16" = 1'-0"

FRAMING PLAN NOTES

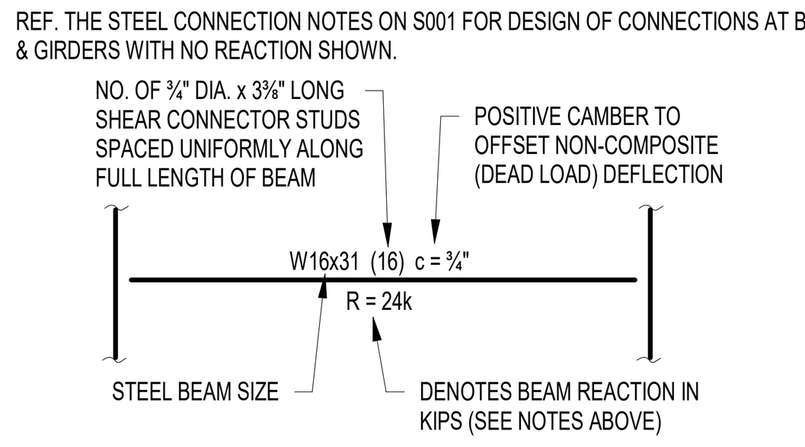
1. REF. S001 & S002 FOR STRUCTURAL NOTES, DESIGN DATA, SCHEDULES & LEGENDS.
2. REF. S500 FOR TYPICAL MASONRY DETAILS AND S600-602 FOR TYPICAL FRAMING DETAILS.
3. ALL CONTRACTORS ARE REQUIRED TO COORDINATE THEIR WORK WITH ALL DISCIPLINES TO AVOID CONFLICTS. THE MECHANICAL, ELECTRICAL, AND PLUMBING ASPECTS ARE NOT IN THE SCOPE OF THESE DRAWINGS. THEREFORE, ALL REQUIRED MATERIALS AND WORK MAY NOT BE INDICATED.
4. ALL ELEVATIONS ARE REFERENCED FROM THE FIRST FLOOR FIN. FLOOR ELEVATION +0'-0". COORD. USGS ELEVATION WITH CIVIL DWGS.
5. SEE FOUNDATION PLANS FOR SIZES OF STEEL COLUMNS SUPPORTED ON FOUNDATIONS.
6. NOT USED
7. NOT USED
8. INSTALL CONTINUOUS BENT PLATE/ANGLE POUR STOPS AT ALL ELEVATED SLAB-ON-DECK PERIMETER EDGES AND AROUND ALL INTERIOR FLOOR OPENINGS (BOTH SHOWN AND NOT SHOWN). SEE DETAIL 5/S601.
9. INSTALL CONTINUOUS ANGLES AT ALL PERIMETER ROOF EDGES. SEE DETAIL 12/S601 FOR ATTACHEMENT TO BEAM/JOIST AND FOR ALL CONDITIONS NO SPECIFICALLY DEFINED IN FRAMING SECTIONS.
10. INSTALL CONTINUOUS CONCRETE CURBS PER DETAIL 14/S601 AROUND THE PERIMETER OF ALL MECHANICAL ROOMS AND AROUND FLOOR PENETRATIONS BOTH SHOWN AND NOT SHOWN INCLUDING STEEL COLUMN PENETRATIONS.
11. ALL WALLS SHALL BE LAID OUT FROM THE ARCHITECTURAL DRAWINGS.
12. REF. ARCH. DRAWINGS. FOR ALL DIMENSIONS NOT SHOWN. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION AND IMMEDIATELY NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
13. COORDINATE EXACT SIZE & LOCATION OF ANY MECHANICAL OPENINGS IN FLOOR SLAB, ROOF DECK, OR WALLS WITH THE MEP CONTRACTOR(S). LOCATION & SIZE OF ALL DUCT OPENINGS, GRILLES, ETC. SHALL BE VERIFIED PRIOR TO CONSTRUCTION.
14. ALL ELEVATIONS SHOWN ON PLAN INDICATE TOP OF STEEL BEAM UNLESS NOTED OTHERWISE.
15. PROVIDE CHANNEL FRAMES AT ALL SUPPORTED SLAB OPENINGS PER TYPICAL DETAIL ON SXXX. COORDINATE EXACT NUMBER, LOCATIONS & DIMENSIONS WITH THE APPROPRIATE CONTRACTORS & THE ARCH. & MEP DRAWINGS.
16. PROVIDE FRAMES AT ALL ROOF DRAINS, ROOF HATCHES & OTHER ROOF OPENINGS PER TYPICAL DETAILS ON S600. COORD. EXACT NUMBER, LOCATIONS & DIMENSIONS WITH THE APPROPRIATE CONTRACTORS & THE ARCH. & MEP DWGS.
17. PROVIDE CMU REINFORCING AS NOTED ON PLANS. IF NOT SHOWN ON PLANS OR DETAILS, MINIMUM CMU WALL REINFORCING TO BE #5 VERTS @ 48" O.C. PROVIDE OPEN-CORE BOND BEAMS AT TOPS OF WALLS, AT CHANGES IN CMU THICKNESS, AND WHERE INDICATED ON PLANS & SECTIONS (10'-0" O.C. MAX VERTICAL SPACING). PROVIDE 1/2 OF INTERRUPTED VERTICALS AT JAMBS OF OPENINGS AND PROVIDE ADDITIONAL VERT'S. AT ENDS OF WALLS.
18. ALL MASONRY BOND BEAMS, OTHER THAN BOND BEAM LINTELS OVER OPENINGS, SHALL BE "OPEN-CORE" BOND BEAMS TO ALLOW VERTICAL REINFORCING TO PASS THROUGH, UNLESS NOTED OTHERWISE.
19. REF. ARCH. DWGS. FOR MASONRY CONTROL & EXPANSION JOINT LOCATIONS.
20. ALL HORIZONTAL AND DIAGONAL BRIDGING FOR STEEL JOISTS SHALL BE DESIGNED, LOCATED & PROVIDED BY THE JOIST SUPPLIER PER SJI SPECIFICATIONS.
21. FOR ESTIMATING AND BIDDING PURPOSES ONLY, ASSUME AN ADDITIONAL 1/2" THICKNESS OF CONCRETE WILL BE NECESSARY FOR ALL ELEVATED SLABS ON METAL DECK. THE INTENT OF THIS REQUIREMENT IS TO ACCOUNT FOR ANTICIPATED DEAD LOAD DEFLECTIONS IN THE SUPPORTING STRUCTURE. THE FINISHED SLAB SHALL MEET THE FLATNESS REQUIREMENTS DEFINED IN THE SPECIFICATION.
22. PLAN LEGEND:

F.F.	DENOTES FIN. FLOOR
T/'X'	DENOTES TOP OF STEEL, SLAB, ETC.
B/'X'	DENOTES BOTTOM OF LINTEL, ETC.
E.O.S. (or EOS)	DENOTES EDGE OF SLAB (MEASURED FROM BEAM C.L.) SEE TYPICAL DETAIL A/S-410
E.O.D. (or EOD)	DENOTES EDGE OF DECK (MEASURED FROM BEAM C.L.) NOTE: PERIMETER ROOF ANGLE/BENT PL NOT REQUIRED
E.O.L. (or EOL)	DENOTES EDGE OF ANGLE (MEASURED FROM BEAM C.L.) SEE TYPICAL DETAIL B/S-410
(S4)	DENOTES 1½", 20 GA. GALVANIZED COMPOSITE DECK w/ 2½" NW CONC SLAB w/ 6x6-W1.4xW1.4 WWF, TOTAL 't' = 4" & E5 SYSTEM BY SPECIFICATION PRODUCTS, INC. CONSISTING OF: E5 INTERNAL CURE ADMIXTURE @ 4 OZ/CWT & E5 CATALYST SPRAYED ON BETWEEN 800-1,000 SF/GAL
(R15)	DENOTES 1½", 20 GA. PRIME-PAINTED WIDE RIB STEEL ROOF DECK. SEE S600 FOR MORE INFORMATION
(A20)	DENOTES 2", 20 GA. ACOUSTICAL GALVANIZED & PRIME-PAINTED DOVETAIL RIB STEEL ROOF DECK. SEE S600 FOR MORE INFORMATION
(G1)	DENOTES McNICHOLS GHB-150 BAR GRATING WITH 7/16" PLYWOOD/OSB OVER TOP.
(P4)	NOT USED
	DENOTES HSS BEAM-TO-COLUMN/BEAM MOMENT CONNECTION. REF. DETAIL 11/S610.
	DENOTES BOLTED MOMENT CONNECTION. REF. DETAIL 1/S620.
	DENOTES BEAM-THRU-BEAM MOMENT CONNECTION. REF. DETAIL 9/S601.
	DENOTES BRACED FRAME OR KICKER LOCATION
	DENOTES APPROX. LOCATION OF OPENING IN DECK/SLAB. REF. DETAILS ON S600 FOR TYPICAL OPENING FRAMES. FOR MULTIPLE CLOSELY SPACED OPENINGS, TREAT AS ONE LARGE OPENING.

23. WIDE-FLANGE BEAM & GIRDER NOTATION:

BEAM REACTIONS SHOWN IN KIPS TO BE USED FOR DESIGN OF SHEAR CONNECTION BY STEEL FABRICATOR'S SSE (ALLOWABLE STRESS DESIGN / LOADS UNFACTORED).

REF. THE STEEL CONNECTION NOTES ON S001 FOR DESIGN OF CONNECTIONS AT BEAMS & GIRDERS WITH NO REACTION SHOWN.



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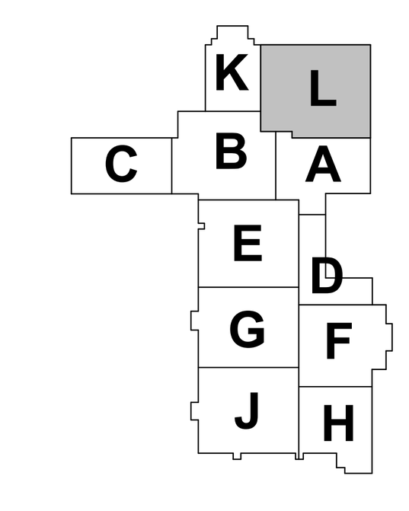
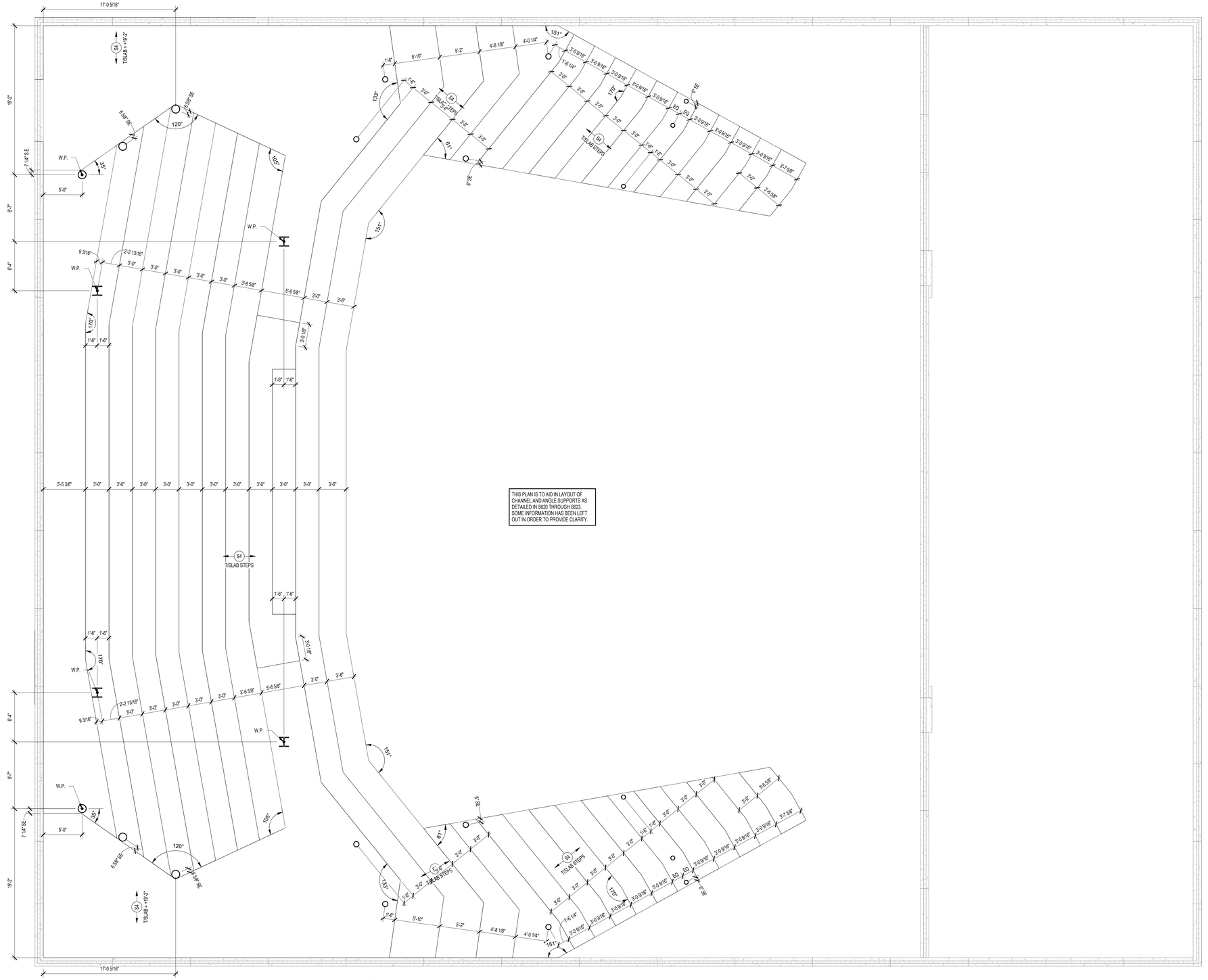


ENLARGED AUDITORIUM BALCONY FRAMING PLAN

S202



1 ENLARGED AUDITORIUM BALCONY SLAB DIMENSION PLAN
3/16" = 1'-0"

⚠ FRAMING PLAN NOTES

1. REF. S001 & S002 FOR STRUCTURAL NOTES, DESIGN DATA, SCHEDULES & LEGENDS.
2. REF. S500 FOR TYPICAL MASONRY DETAILS AND S600-602 FOR TYPICAL FRAMING DETAILS.
3. ALL CONTRACTORS ARE REQUIRED TO COORDINATE THEIR WORK WITH ALL DISCIPLINES TO AVOID CONFLICTS. THE MECHANICAL, ELECTRICAL, AND PLUMBING ASPECTS ARE NOT IN THE SCOPE OF THESE DRAWINGS. THEREFORE, ALL REQUIRED MATERIALS AND WORK MAY NOT BE INDICATED.
4. ALL ELEVATIONS ARE REFERENCED FROM THE FIRST FLOOR FIN. FLOOR ELEVATION +0'-0". COORD. USGS ELEVATION WITH CIVIL DWGS.
5. SEE FOUNDATION PLANS FOR SIZES OF STEEL COLUMNS SUPPORTED ON FOUNDATIONS.
6. NOT USED
7. NOT USED
8. INSTALL CONTINUOUS BENT PLATE/ANGLE POUR STOPS AT ALL ELEVATED SLAB-ON-DECK PERIMETER EDGES AND AROUND ALL INTERIOR FLOOR OPENINGS (BOTH SHOWN AND NOT SHOWN). SEE DETAIL S/S601.
9. INSTALL CONTINUOUS ANGLES AT ALL PERIMETER ROOF EDGES. SEE DETAIL 12/S601 FOR ATTACHEMENT TO BEAM/JOIST AND FOR ALL CONDITIONS NO SPECIFICALLY DEFINED IN FRAMING SECTIONS.
10. INSTALL CONTINUOUS CONCRETE CURBS PER DETAIL 14/S601 AROUND THE PERIMETER OF ALL MECHANICAL ROOMS AND AROUND FLOOR PENETRATIONS BOTH SHOWN AND NOT SHOWN INCLUDING STEEL COLUMN PENETRATIONS.
11. ALL WALLS SHALL BE LAID OUT FROM THE ARCHITECTURAL DRAWINGS.
12. REF. ARCH. DRAWINGS. FOR ALL DIMENSIONS NOT SHOWN. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION AND IMMEDIATELY NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
13. COORDINATE EXACT SIZE & LOCATION OF ANY MECHANICAL OPENINGS IN FLOOR SLAB, ROOF DECK, OR WALLS WITH THE MEP CONTRACTOR(S). LOCATION & SIZE OF ALL DUCT OPENINGS, GRILLES, ETC. SHALL BE VERIFIED PRIOR TO CONSTRUCTION.
14. ALL ELEVATIONS SHOWN ON PLAN INDICATE TOP OF STEEL BEAM UNLESS NOTED OTHERWISE.
15. PROVIDE CHANNEL FRAMES AT ALL SUPPORTED SLAB OPENINGS PER TYPICAL DETAIL ON SXXX. COORDINATE EXACT NUMBER, LOCATIONS & DIMENSIONS WITH THE APPROPRIATE CONTRACTORS & THE ARCH. & MEP DRAWINGS.
16. PROVIDE FRAMES AT ALL ROOF DRAINS, ROOF HATCHES & OTHER ROOF OPENINGS PER TYPICAL DETAILS ON S600. COORD. EXACT NUMBER, LOCATIONS & DIMENSIONS WITH THE APPROPRIATE CONTRACTORS & THE ARCH. & MEP DWGS.
17. PROVIDE CMU REINFORCING AS NOTED ON PLANS. IF NOT SHOWN ON PLANS OR DETAILS, MINIMUM CMU WALL REINFORCING TO BE #5 VERTS @ 48" O.C. PROVIDE OPEN-CORE BOND BEAMS AT TOPS OF WALLS, AT CHANGES IN CMU THICKNESS, AND WHERE INDICATED ON PLANS & SECTIONS (10'-0" O.C. MAX VERTICAL SPACING). PROVIDE 1/2 OF INTERRUPTED VERTICALS AT JAMBS OF OPENINGS AND PROVIDE ADDITIONAL VERT'S. AT ENDS OF WALLS.
18. ALL MASONRY BOND BEAMS, OTHER THAN BOND BEAM LINTELS OVER OPENINGS, SHALL BE "OPEN-CORE" BOND BEAMS TO ALLOW VERTICAL REINFORCING TO PASS THROUGH, UNLESS NOTED OTHERWISE.
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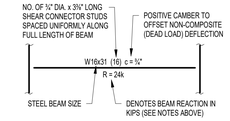
21. FOR ESTIMATING AND BIDDING PURPOSES ONLY, ASSUME AN ADDITIONAL 1/2" THICKNESS OF CONCRETE WILL BE NECESSARY FOR ALL ELEVATED SLABS ON METAL DECK. THE INTENT OF THIS REQUIREMENT IS TO ACCOUNT FOR ANTICIPATED DEAD LOAD DEFLECTIONS IN THE SUPPORTING STRUCTURE. THE FINISHED SLAB SHALL MEET THE FLATNESS REQUIREMENTS DEFINED IN THE SPECIFICATION.
22. PLAN LEGEND:

F.F.	DENOTES FIN. FLOOR
T/'X'	DENOTES TOP OF STEEL, SLAB, ETC.
B/'X'	DENOTES BOTTOM OF LINTEL, ETC.
E.O.S. (or EOS)	DENOTES EDGE OF SLAB (MEASURED FROM BEAM C.L.) SEE TYPICAL DETAIL A/S-410
E.O.D. (or EOD)	DENOTES EDGE OF DECK (MEASURED FROM BEAM C.L.) NOTE: PERIMETER ROOF ANGLE/BENT PL NOT REQUIRED
E.O.L. (or EOL)	DENOTES EDGE OF ANGLE (MEASURED FROM BEAM C.L.) SEE TYPICAL DETAIL B/S-410
S4	DENOTES 1½", 20 GA. GALVANIZED COMPOSITE DECK w/ 2½" NW CONC SLAB w/ 6x6-W1.4xW1.4 WWF, TOTAL T = 4" & ES SYSTEM BY SPECIFICATION PRODUCTS, INC. CONSISTING OF: ES INTERNAL CURE ADMIXTURE @ 4 OZ/CWT & ES CATALYST SPRAYED ON BETWEEN 800-1,000 SF/GAL
R15	DENOTES 1½", 20 GA. PRIME-PAINTED WIDE RIB STEEL ROOF DECK. SEE S600 FOR MORE INFORMATION
A20	DENOTES 2", 20 GA. ACOUSTICAL GALVANIZED & PRIME-PAINTED DOVETAIL RIB STEEL ROOF DECK. SEE S600 FOR MORE INFORMATION
G1	DENOTES McNICHOLS GHB-150 BAR GRATING WITH 7/16" PLYWOOD/OSB OVER TOP.
P4	NOT USED
	DENOTES HSS BEAM-TO-COLUMN/BEAM MOMENT CONNECTION. REF. DETAIL 11/S610.
	DENOTES BOLTED MOMENT CONNECTION. REF. DETAIL 1/S620.
	DENOTES BEAM-THRU-BEAM MOMENT CONNECTION. REF. DETAIL 9/S601.
	DENOTES BRACED FRAME OR KICKER LOCATION
	DENOTES APPROX. LOCATION OF OPENING IN DECK/SLAB. REF. DETAILS ON S600 FOR TYPICAL OPENING FRAMES. FOR MULTIPLE CLOSELY SPACED OPENINGS, TREAT AS ONE LARGE OPENING.

23. WIDE-FLANGE BEAM & GIRDER NOTATION:

BEAM REACTIONS SHOWN IN KIPS TO BE USED FOR DESIGN OF SHEAR CONNECTION BY STEEL FABRICATOR'S SSE (ALLOWABLE STRESS DESIGN / LOADS UNFACTORED).

REF. THE STEEL CONNECTION NOTES ON S001 FOR DESIGN OF CONNECTIONS AT BEAMS & GIRDERS WITH NO REACTION SHOWN.



TYPICAL COMPOSITE BEAM DIAGRAM

LANCER + BEEBE, LLC
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SCOTT A. CLINE
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REVISIONS:

#	Date	Desc.
2	05.09.22	BID PKG. #1 ADD #4

100% CONSTRUCTION DOCUMENTS

PROJECT: #21107
DATE: 04.11.2022
DRAWN BY: DJL

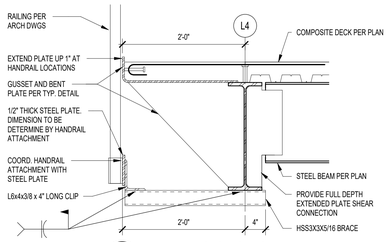
ENLARGED BALCONY SLAB DIMENSION PLAN

S202D

K L C B A E D G F J H

N TRUE NORTH

PLOT DATE/TIME: 5/9/2022 4:48:31 AM



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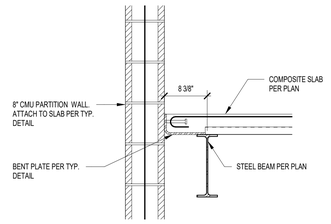

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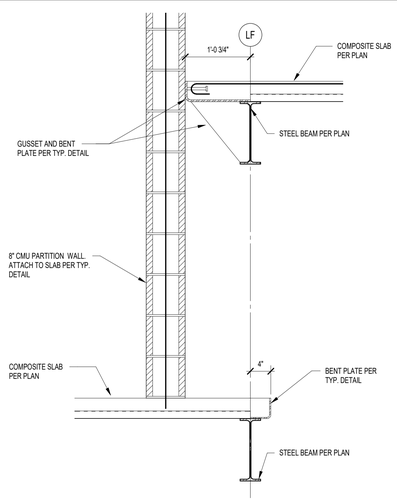

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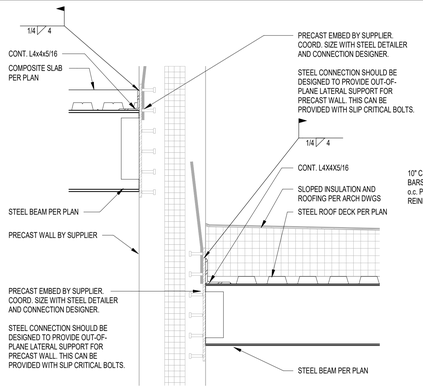

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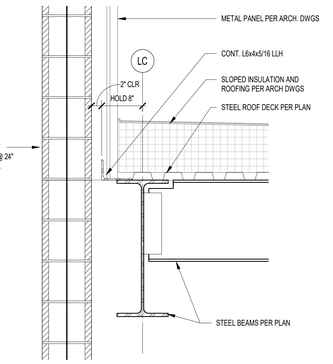

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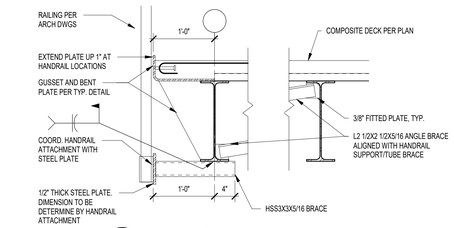

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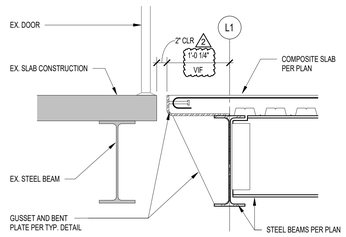

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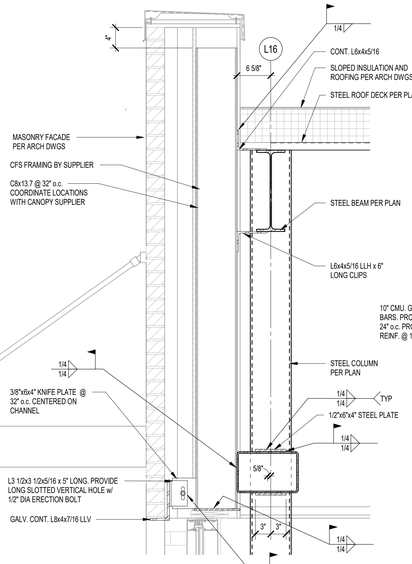

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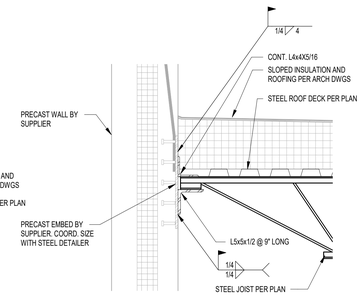

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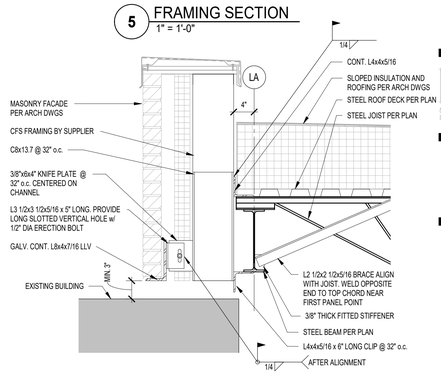

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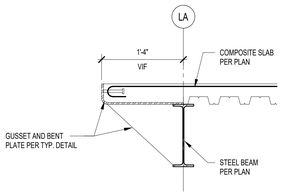

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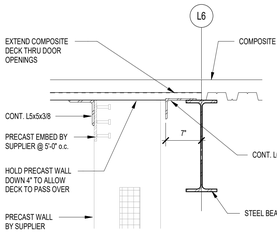

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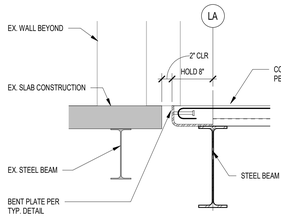

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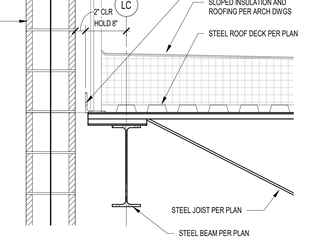

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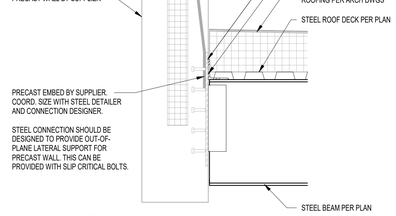

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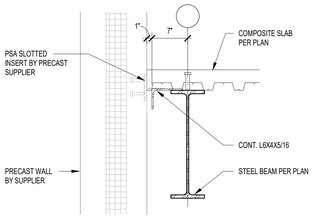

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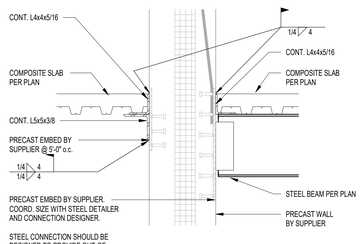

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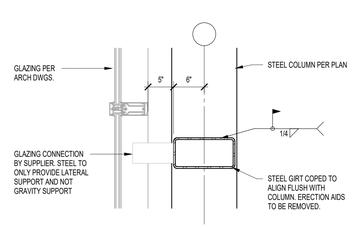

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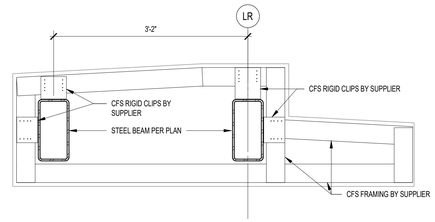

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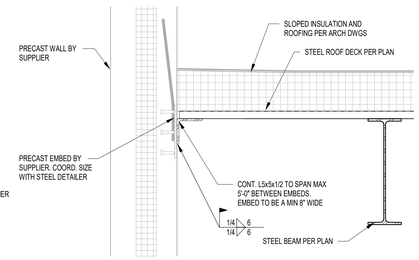

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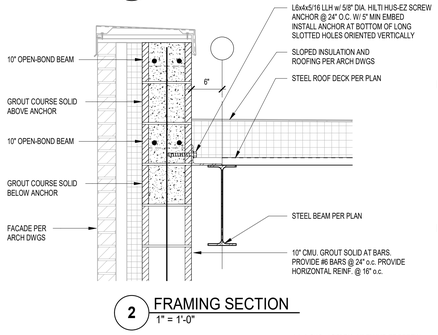

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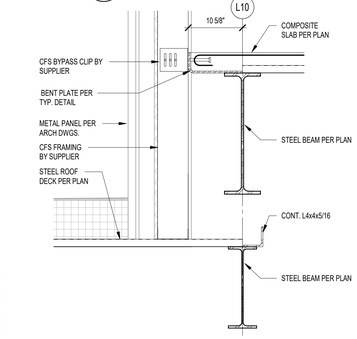

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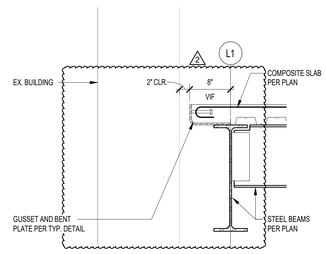

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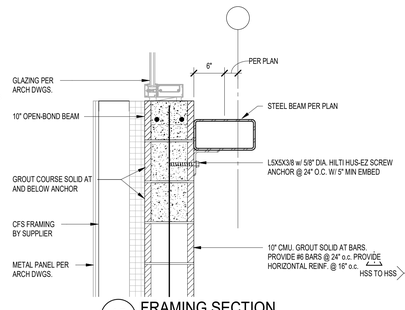

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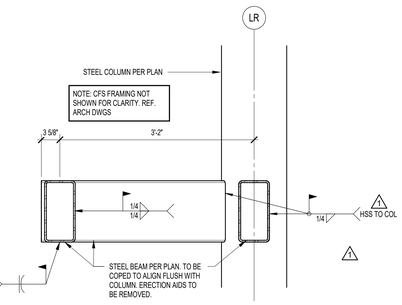

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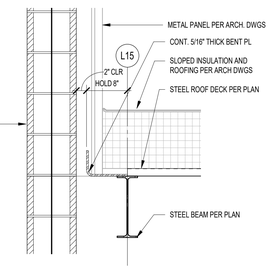

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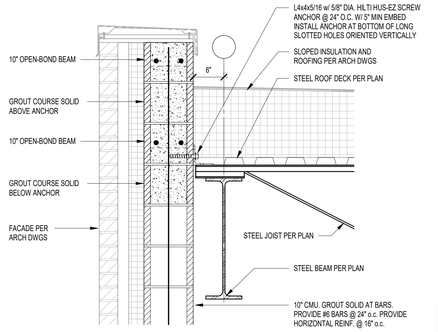

1 FRAMING SECTION
1" = 1'-0"

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REGISTERED
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PROFESSIONAL ENGINEER

REVISIONS:			
#	Date	Desc.	
1	04.29.22	BID PKG. #1 ADD #2	
2	05.09.22	BID PKG. #1 ADD #4	

100% CONSTRUCTION DOCUMENTS

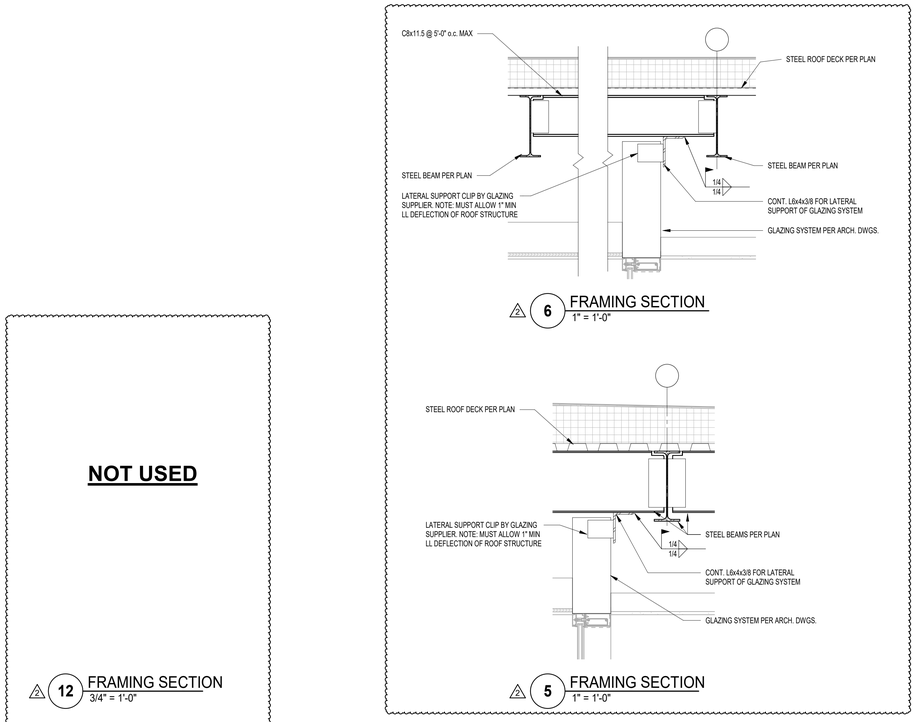
PROJECT:	#21107
DATE:	04.11.2022
DRAWN BY:	DJL

FRAMING SECTIONS

S610

PLOT DATE/TIME:5/9/2022 9:49:05 AM

NOT USED



⚠2 **6** FRAMING SECTION
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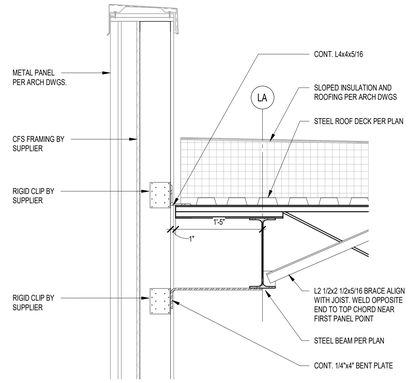

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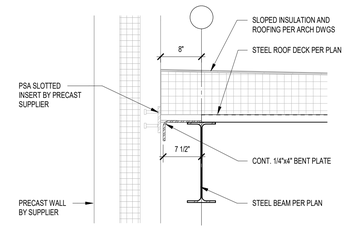

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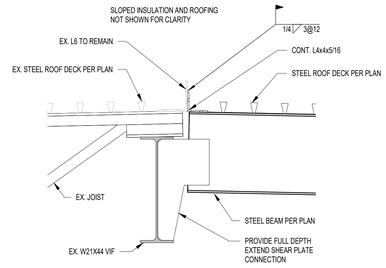

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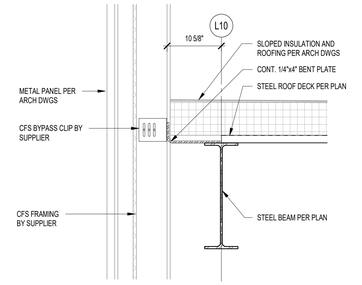

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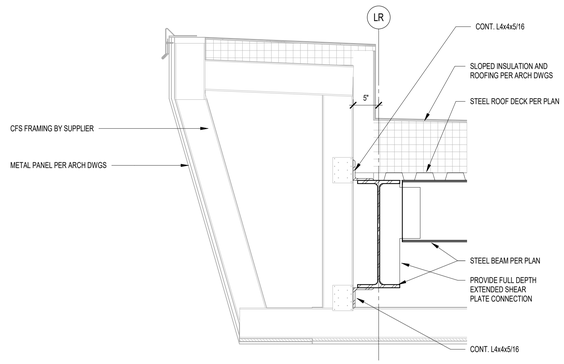

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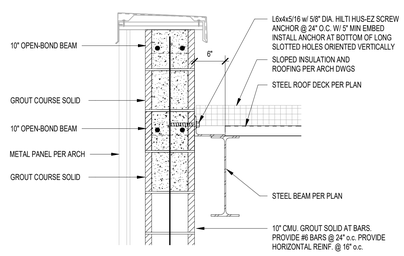

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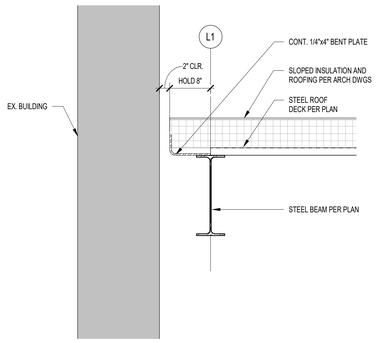

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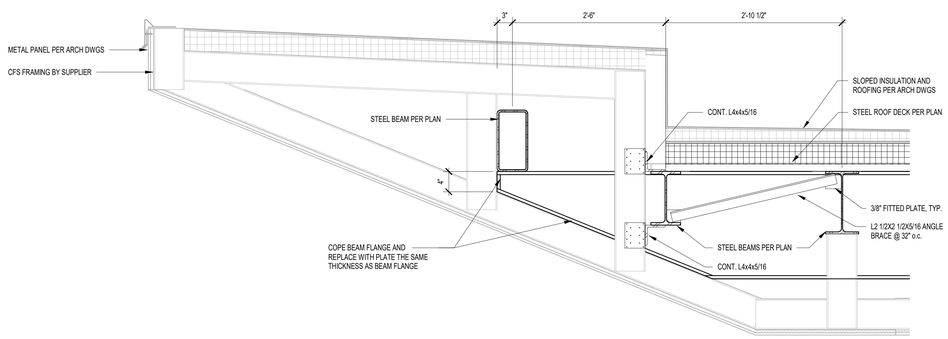

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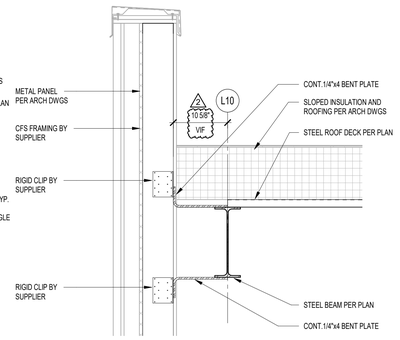

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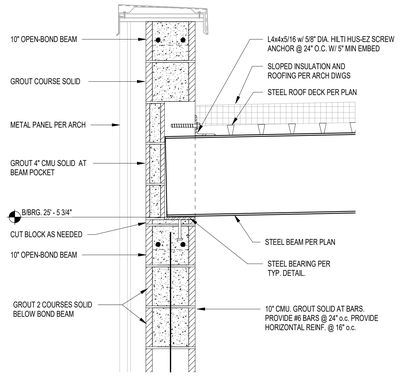

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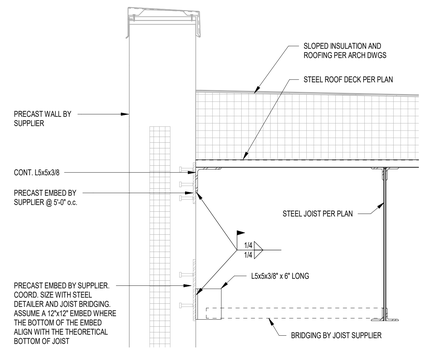

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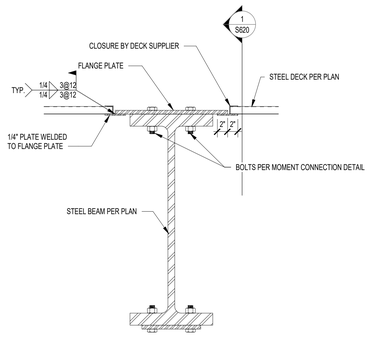
2	05.09.22	BID PKG. #1 ADD #4

100% CONSTRUCTION DOCUMENTS

PROJECT: #21107
DATE: 04.11.2022
DRAWN BY: DJL

FRAMING SECTIONS

S611



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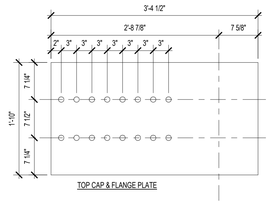

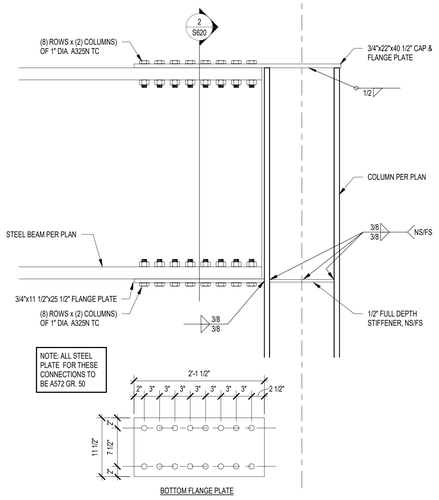

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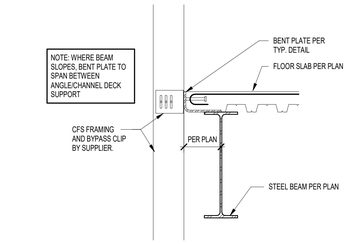
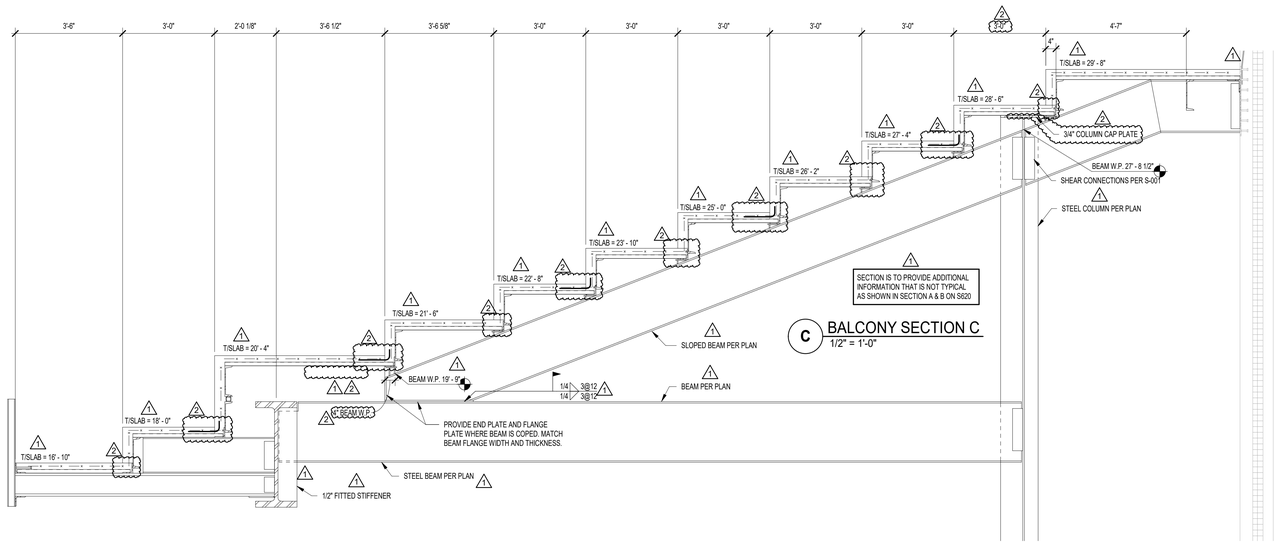
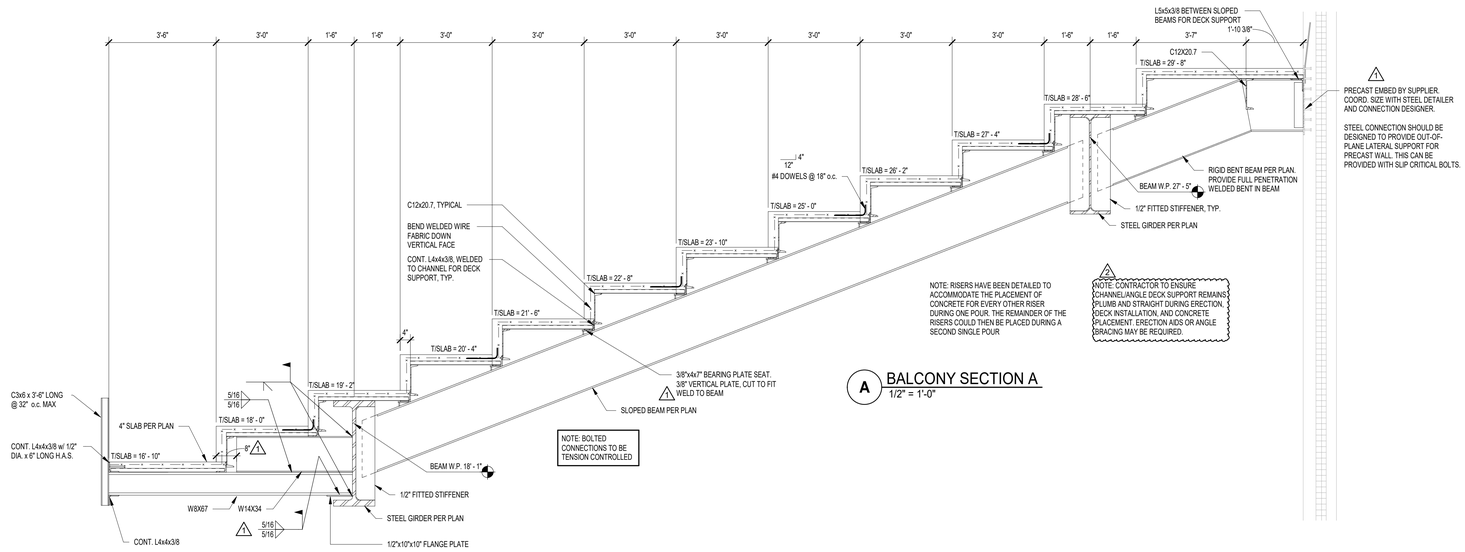


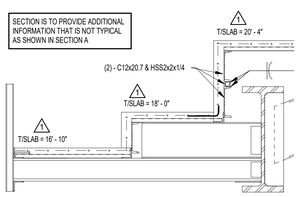
3 FRAMING SECTION
1" = 1'-0"



C BALCONY SECTION C
1/2" = 1'-0"



A BALCONY SECTION A
1/2" = 1'-0"



B BALCONY SECTION B
1/2" = 1'-0"

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AUDITORIUM RENOVATION & ADDITION
810 N BROADWAY ST.
GREENFIELD, IN 46140

SCOTT A. CLINE
PE10606154
STATE OF INDIANA
REGISTERED PROFESSIONAL ENGINEER

REVISIONS:

#	Date	Desc.
1	04.29.22	BID PKG. #1 ADD #2
2	05.09.22	BID PKG. #1 ADD #4

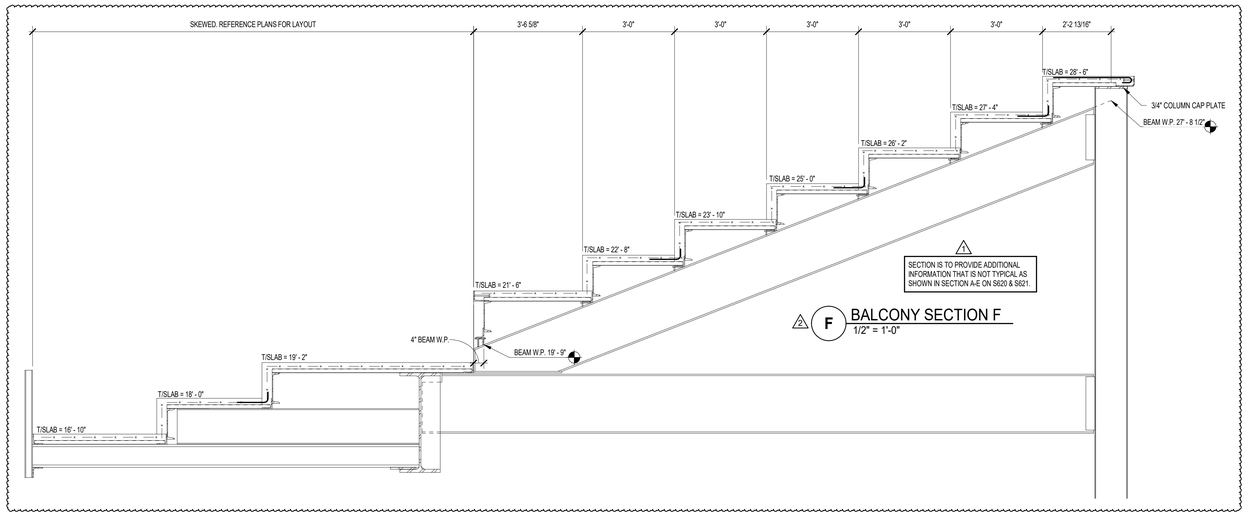
100% CONSTRUCTION DOCUMENTS

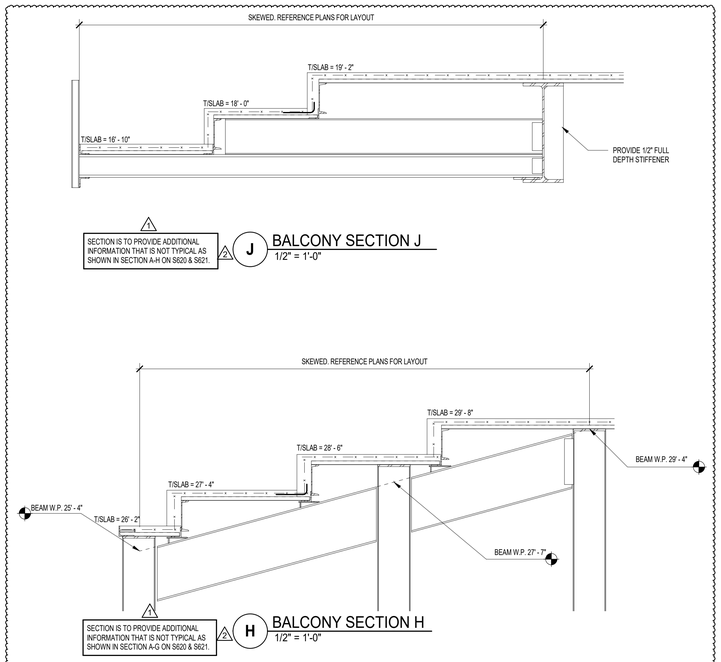
PROJECT:	#21107
DATE:	04.11.2022
DRAWN BY:	DJL

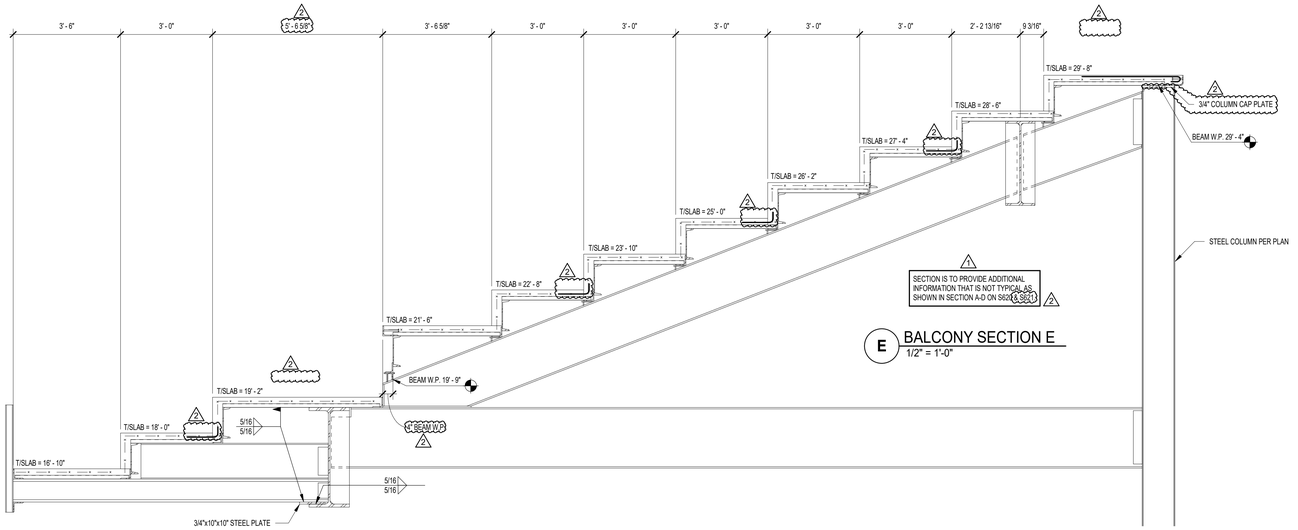
FRAMING SECTIONS

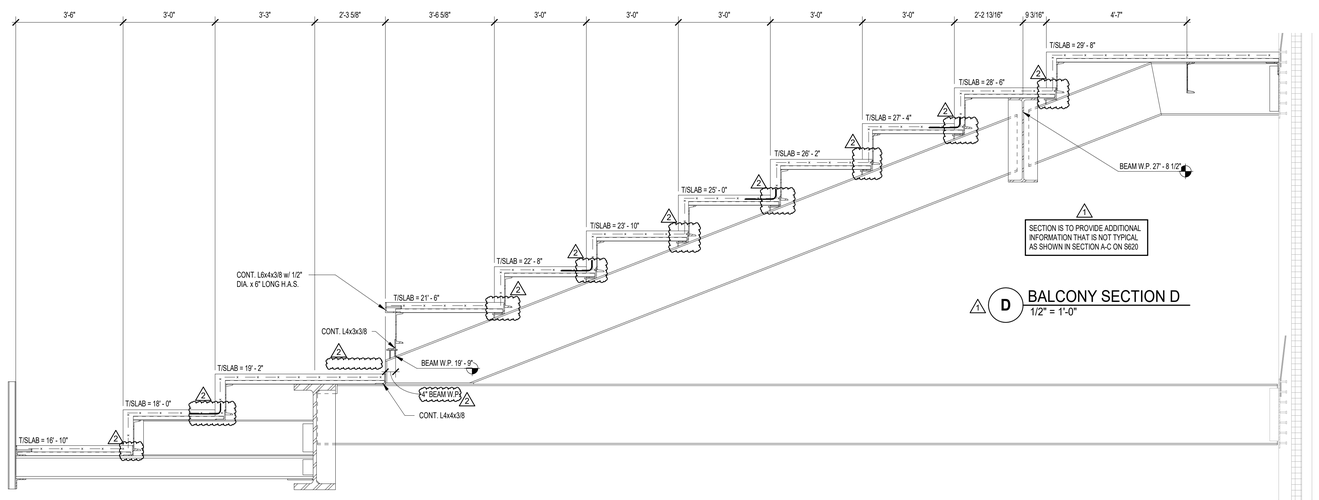
S620

PLOT DATE/TIME:5/9/2022 9:49:19 AM









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PROJECT:	#21107
DATE:	04.11.2022
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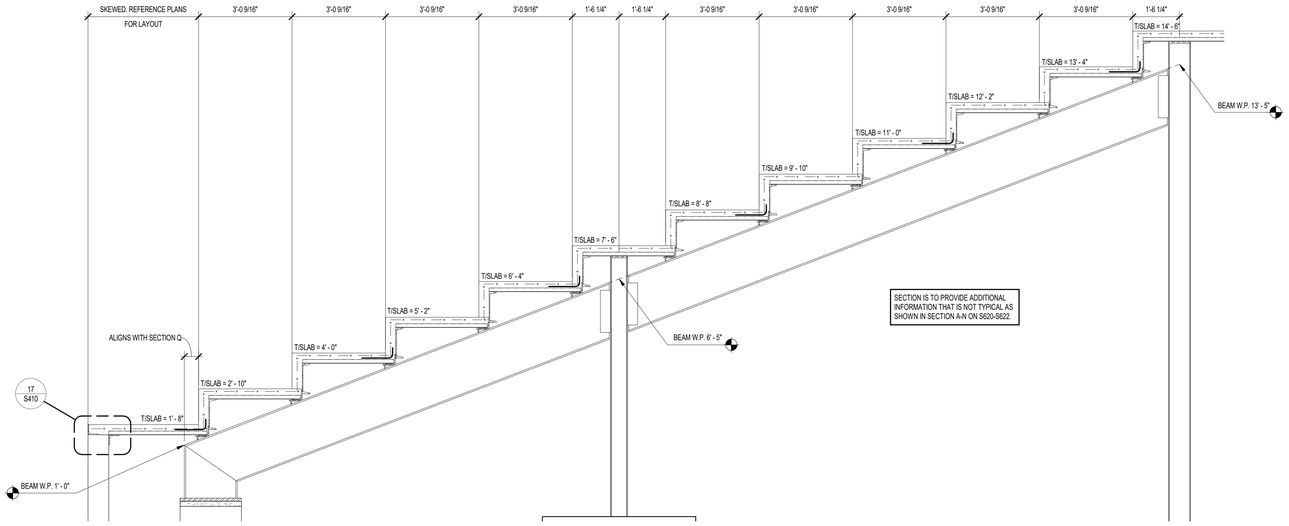
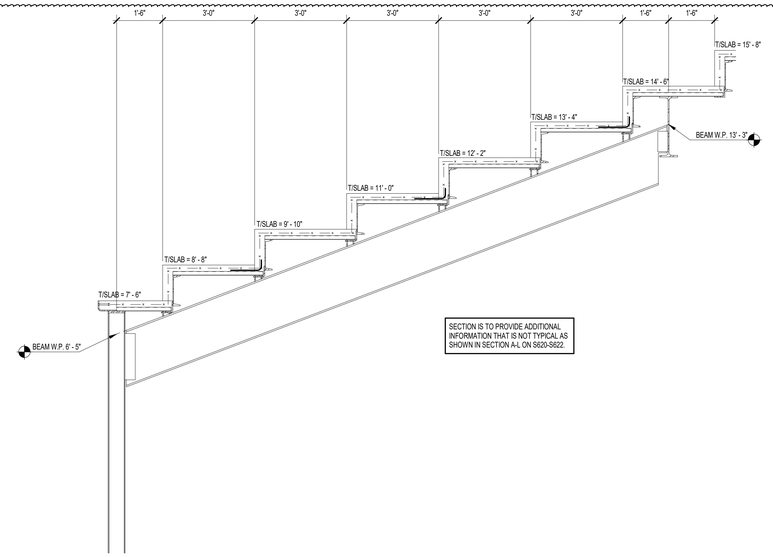
FRAMING SECTIONS

S621

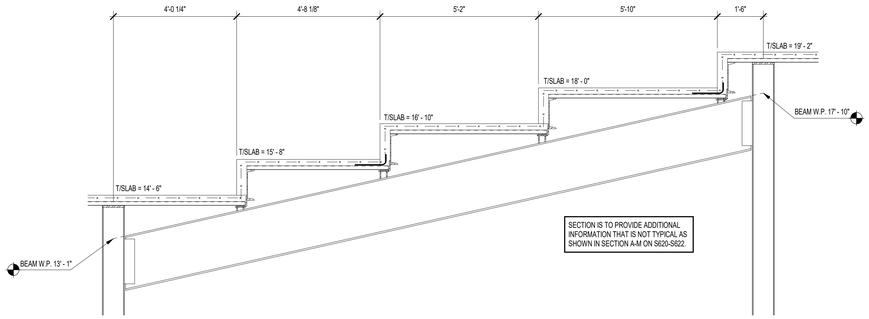
PLOT DATE/TIME: 5/9/2022 8:49:21 AM



2 1 P BALCONY SECTION P
1/2" = 1'-0"



2 N BALCONY SECTION N
1/2" = 1'-0"



2 M BALCONY SECTION M
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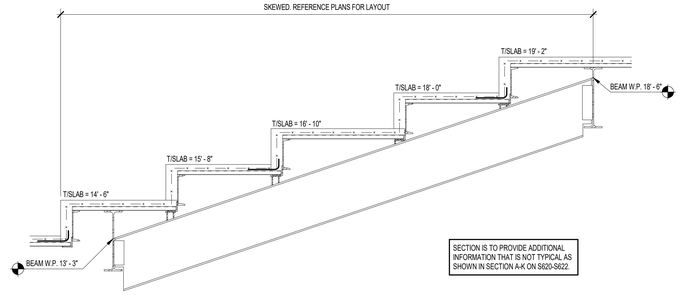
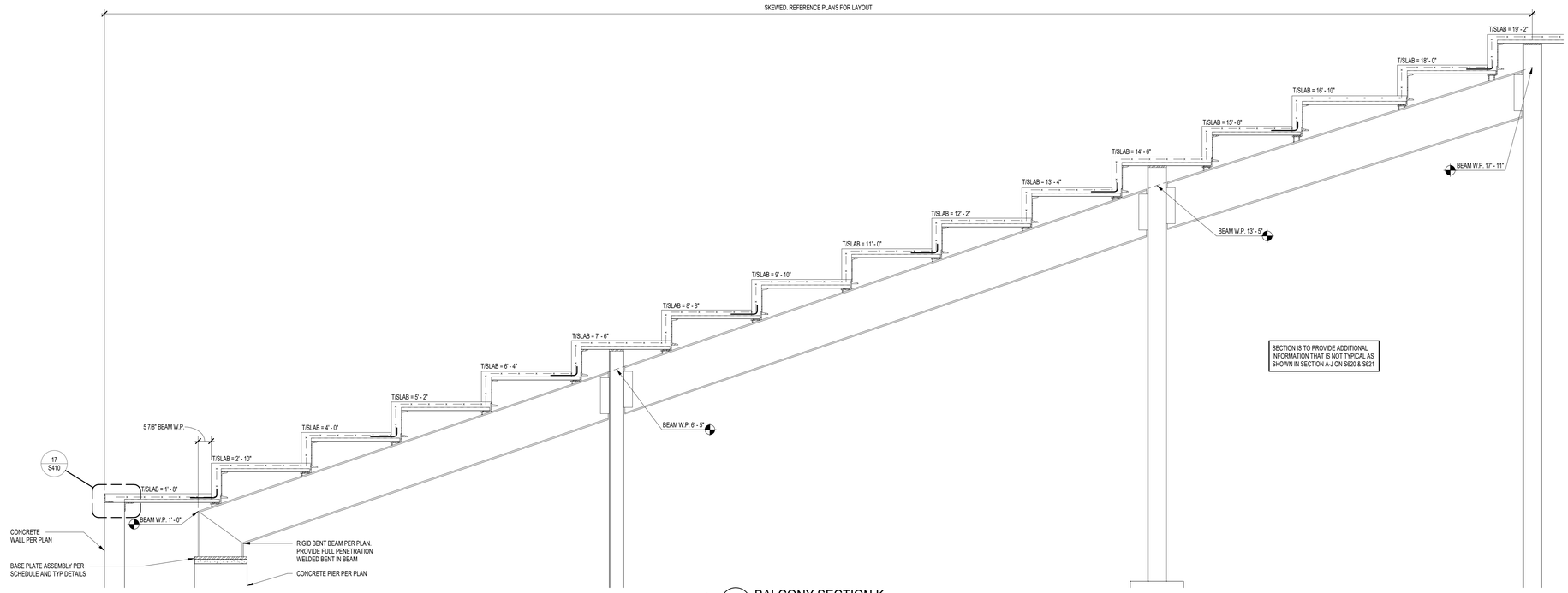


2 L BALCONY SECTION L
1/2" = 1'-0"



2 K BALCONY SECTION K
1/2" = 1'-0"

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PROJECT:	#21107
DATE:	04.11.2022
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FRAMING SECTIONS

S622

PLOT DATE/TIME:5/9/2022 8:49:24 AM

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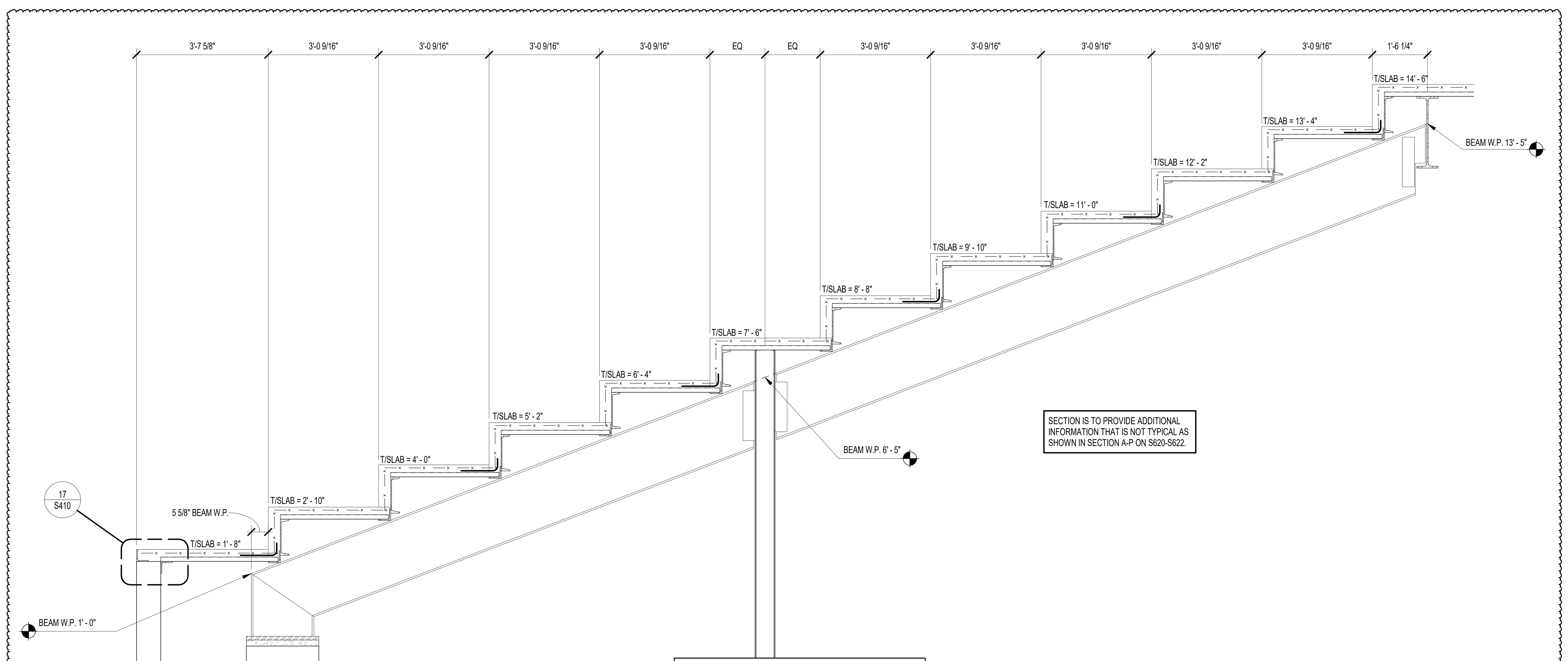
DATE: 04.11.2022
DRAWN BY: DJL

FRAMING SECTIONS

S623



Q BALCONY SECTION Q
1/2" = 1'-0"