

GENERAL NOTES

1. REQUIREMENTS AND DESIGN DATA SHALL BE FOLLOWED ENTIRELY, REGARDLESS OF WHETHER THEY ARE GIVEN BY BOTH THE SPECIFICATIONS AND DRAWINGS OR BY EITHER ONE ONLY.
2. SHOP DRAWINGS PREPARED BY THE CONTRACTORS, SUPPLIERS, ETC. SHALL BE REVIEWED BY STRUCTURAL ENGINEER ONLY FOR CONFORMANCE WITH DESIGN CONCEPT. NO WORK SHALL BE STARTED WITHOUT SUCH REVIEW.
3. SHOP DRAWINGS PREPARED BY SUPPLIERS AND SUBCONTRACTORS SHALL BE REVIEWED BY THE GENERAL CONTRACTOR PRIOR TO SUBMITTAL TO STRUCTURAL ENGINEER.
4. CONTRACTORS TO ASSUME FULL RESPONSIBILITY, UNRELIEVED BY REVIEW OF SHOP DRAWINGS AND BY SUPERVISION OR PERIODIC OBSERVATION OF CONSTRUCTION, FOR THE FOLLOWING:
 - a) COMPLIANCE WITH CONTRACT DOCUMENTS.
 - b) DIMENSIONS TO BE CONFIRMED AND CORRELATED ON THE JOB SITE AND BETWEEN INDIVIDUAL DRAWINGS OR SETS OF DRAWINGS.
 - c) FABRICATION PROCESSES AND CONSTRUCTION TECHNIQUES (INCLUDING EXCAVATION, SHORING, SCAFFOLDING, BRACING, ERECTION, FORMWORK, ETC.).
 - d) COORDINATION OF THE VARIOUS TRADES.
 - e) SAFE CONDITIONS AT THE JOB SITE.

5. UNLESS OTHERWISE NOTED, ALL DETAILS, SECTIONS AND NOTES ON DRAWINGS ARE INTENDED TO BE TYPICAL FOR SIMILAR SITUATIONS ELSEWHERE.
6. DESIGN LOADS, ALLOWABLE STRESSES AND STRUCTURAL CAPACITIES ARE BASED ON THE INTERNATIONAL BUILDING CODE 2015.

EARTHQUAKE DESIGN DATA:
 RISK CATEGORY: II
 SEISMIC IMPORTANCE FACTOR, Ie = 1.0
 Ss = .315
 S1 = .137
 SITE CLASS: D
 SDS = .326
 SD1 = .206
 SEISMIC DESIGN CATEGORY: B
 BASIC SEISMIC-FORCE-RESISTING-SYSTEM: SPECIAL REINFORCED MASONRY SHEAR WALLS
 DESIGN BASE SHEAR = 15 KIPS
 SEISMIC RESPONSE COEFFICIENT, Cs = .065
 RESPONSE MODIFICATION FACTOR, R = 5
 ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE

WIND DESIGN DATA:
 ULTIMATE DESIGN WIND SPEED, Vult = 115MPH
 RISK CATEGORY: II
 WIND EXPOSURE: B
 INTERNAL PRESSURE COEFFICIENT: +/- .18
 COMPONENTS AND CLADDING DESIGN WIND PRESSURE(ULTIMATE):
 ROOF: ZONE 1=22.4PSF, ZONE 2=30PSF, ZONE 3=30PSF
 WALLS: ZONE 4=21.3PSF, ZONE 5=24.6PSF
 PARAPETS: 54.4PSF

SNOW LOAD DATA:
 FLAT-ROOF SNOW LOAD, P1 = 14PSF
 SNOW EXPOSURE FACTOR, Ce = 1.0
 SNOW LOAD IMPORTANCE FACTOR, I = 1.0
 THERMAL FACTOR, Ct = 1.0
 GROUND SNOW LOAD, Pg = 20PSF

7. CONTRACTOR SHALL PROVIDE TEMPORARY BRACING TO THE STRUCTURE CAPABLE OF RESISTING A FULL WIND LOAD UPON THE BUILDING UNTIL THE ENTIRE ROOF DECK IS CONNECTED TO THE ROOF STRUCTURE.

FOUNDATION

1. DESIGN OF FOUNDATION IS BASED ON THE RECOMMENDATIONS OF:

ECS MIDWEST, LLC
 1575 BARCLAY BOULEVARD
 BUFFALO GROVE, IL 60089

IN REPORT NO. 16:12827 DATED APRIL 29, 2019
2. FOOTINGS ARE DESIGNED FOR A MINIMUM SOIL BEARING CAPACITY OF 3000PSF.
3. ALL FOUNDATION EXCAVATIONS SHALL BE INSPECTED AND CERTIFIED BY A QUALIFIED SOIL ENGINEER.
4. ALL FOUNDATIONS SHALL BE CARRIED DOWN TO DEPTHS SHOWN ON DRAWINGS OR PROVIDE ENGINEERED BACKFILL PER SUBGRADE PREPARATION NOTE FROM UNDISTURBED SOIL OF STATED DESIGN CAPACITY TO ELEVATIONS SHOWN ON DRAWINGS.
5. BACKFILL AGAINST GRADE BEAMS SHALL BE PLACED EVENLY ON BOTH SIDES.
6. VAPOR BARRIER (POLYETHYLENE) SHALL BE PROVIDED UNDER ALL INTERIOR SLABS ON GROUND AS PER SPECIFICATIONS.
7. DO NOT CAST FOOTINGS AGAINST EDGES OF EXCAVATION. ALL FOOTINGS ARE TO BE FORMED WITH APPROVED FORM MATERIAL TO THE SIZES INDICATED ON THE PLANS.
8. KEYS IN FOOTING SHALL BE FORMED, NOT TOOLED IN.

CONCRETE

1. CONCRETE WORK SHALL CONFORM TO THE CURRENTLY ADOPTED ACI 318-14, BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE; ACI 301, SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS; ACI 302.1R, GUIDE FOR CONCRETE FLOOR AND SLAB CONSTRUCTION.
2. ULTIMATE COMPRESSIVE STRENGTH OF PORTLAND CEMENT CONCRETE, STANDARD WEIGHT AT TWENTY EIGHT DAYS SHALL BE 4000 PSI FOR ALL CONCRETE WORK. DESIGN AND SUBMITTAL FOR CONCRETE MIX SHALL BE IN ACCORDANCE WITH ACI318, CHAPTER 5 AND ACI 301, SECTION 4 AND SHALL BE SUBMITTED IN ADVANCE TO STRUCTURAL ENGINEER FOR APPROVAL.
3. AIR ENTRAINED CONCRETE SHALL BE USED FOR ALL CONCRETE EXPOSED TO WEATHER, EXCEPT AS NOTED IN THE DRAWINGS.
4. CALCIUM CHLORIDE AND/OR ADMIXTURES CONTAINING CALCIUM CHLORIDE SHALL NOT BE INCLUDED IN CONCRETE MIX.
5. CONCRETE CONTRACTOR SHALL NOT POUR CONCRETE IN ADVERSE WEATHER CONDITIONS OR WHEN SUCH IS FORECAST FOR THE TIME PERIOD FOLLOWING THE POUR, UNLESS PROPER CURING AND PROTECTION IS PROVIDED CONTINUOUSLY UNTIL CONCRETE DEVELOPS ITS DESIGN STRENGTH.
6. WATERSTOPS WHEN INDICATED SHALL BE PVC RIBBED TYPE, 6" WIDE MINIMUM AND CONTINUOUS.

7. UNLESS OTHERWISE NOTED, PRINCIPAL REINFORCEMENT SHALL HAVE THE FOLLOWING CONCRETE PROTECTION:
 - a) SURFACES NOT FORMED --- 3 INCHES
 - b) FORMED SURFACES IN CONTACT WITH SOIL OR WATER, OR EXPOSED TO WEATHER --- 2 INCHES
 - c) FORMED SURFACES NOT IN CONTACT WITH SOIL OR WATER, OR EXPOSED TO WEATHER --- 3/4 INCH
8. OPENING SIZES AND LOCATIONS FOR PIPES, DUCTS, ETC., WHEN SHOWN, ARE FOR GENERAL INFORMATION ONLY AND SHALL BE VERIFIED WITH MECHANICAL DRAWINGS BEFORE FORMING.
9. CONCRETE CONTRACTOR SHALL SUPERVISE MECHANICAL TRADES REGARDING PIPING, ELECTRICAL CONDUIT, FIXTURE INSERTS, ANCHORS, ETC., PASSING THROUGH CONCRETE. BARS SHALL NOT BE CUT OR DISPLACED UNLESS ABSOLUTELY NECESSARY AND THEN ONLY BY CONCRETE CONTRACTOR. MATCHING BARS EQUAL TO CUT BARS SHALL BE ADDED WITH PROPER LAPS AND EMBEDMENTS. CLEAR DISTANCE BETWEEN SLEEVES SHALL BE A MINIMUM OF 8".
10. CONCRETE PADS, ETC., SHALL BE PROVIDED FOR SUPPORT OF MECHANICAL EQUIPMENT. WHEN REQUIRED AND NOT SHOWN ON DRAWINGS, INFORMATION WITH SIZES AND LOCATIONS OF SAME SHALL BE SUBMITTED TO THE ARCHITECT FOR APPROVAL.

CONCRETE REINFORCEMENT

1. REINFORCING BARS SHALL CONFORM TO ASTM SPECIFICATIONS A615; ALL BARS, GRADE 60.
2. WELDED WIRE FABRIC SHALL CONFORM TO ASTM SPECIFICATIONS A185 AND A82 PLAIN BARS.
3. DETAILING AND ACCESSORIES SHALL CONFORM TO THE ACI DETAILING MANUAL AND TO THE CRSI MANUAL OF STANDARD PRACTICE, CURRENT EDITIONS, UNLESS NOTED OTHERWISE HERE, ON DRAWINGS, OR IN SPECIFICATIONS.
4. ADDITIONAL BARS SHALL BE PROVIDED, TWO #5 WHEN NOT NOTED ON DRAWINGS, AROUND ALL OPENINGS IN WALLS. CORNER BARS MATCHING TO HORIZONTAL BARS SHALL BE PROVIDED AT ALL WALL, FOOTING AND GRADE BEAM CORNERS AND INTERSECTIONS.
5. CONTINUOUS TOP AND BOTTOM REINFORCEMENT, WHEN SHOWN IN SECTIONS ONLY, SHALL BE LAPPED AS FOLLOWS: TOP BARS NEAR MIDSPANS, BOTTOM BARS DIRECTLY OVER SUPPORTS.
6. ALL LAPS, WHEN NOT DIMENSIONED ON DRAWINGS, SHALL BE 48 BAR DIAMETERS AND NOT LESS THAN 24".
7. REINFORCING BARS ARE TO BE PLACED ON CHAIRS OR OTHER ACCESSORIES TO INSURE PROPER PLACEMENT. REINFORCING SHALL NOT BE PULLED OR MUDDIED IN PLACE.
8. REINFORCING SHOP DRAWINGS SHALL SHOW CLEARANCES TO ALL BARS.

STRUCTURAL STEEL

1. ALL DETAILING, FABRICATION, AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO AISC SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, AISC 360-10 ASD.
2. MISCELLANEOUS STRUCTURAL STEEL SHALL CONFORM TO ASTM SPECIFICATION A36, ROLLED WIDE FLANGE MEMBERS WHICH SHALL CONFORM TO ASTM SPECIFICATION A992. STRUCTURAL TUBING SHALL CONFORM TO ASTM SPECIFICATION A500, GRADE B.
3. BOLTS FOR ALL FRAME CONNECTIONS SHALL CONFORM TO ASTM A 325, TYPE 1. ANCHOR BOLTS SHALL CONFORM TO ASTM F1554 GR. 36. BOLTS SHALL BE 3/4" DIAMETER MINIMUM.
4. FABRICATOR SHALL DESIGN BEAM CONNECTIONS CAPABLE OF CARRYING EITHER THE REACTION FORCE WHEN INDICATED OR ONE-HALF OF THE TOTAL UNIFORM LOAD FOR THE GIVEN SIZE, SPAN AND GRADE OF THE BEAM, AS TABULATED IN THE AISC TABLES FOR ALLOWABLE LOADS.
5. BOLTED CONNECTIONS SHALL BE OF SLIP CRITICAL OR BEARING TYPE WITH THREADS PERMITTED IN SHEAR PLANES.
6. WELD SHALL CONFORM TO AWS D1.1-2008, CLASS E70XX SERIES ELECTRODES, UNLESS OTHERWISE NOTED. WELDING SHALL BE DONE BY CERTIFIED WELDERS.
7. UNLESS OTHERWISE GIVEN OR REQUIRED, ALL WELDS SHALL BE 1/4" FILLET TYPE.
8. STRUCTURAL STEEL SHALL HAVE ONE SHOP COAT GREY PRIMER ON ALL SURFACES.
9. CUTS, HOLES (OPENINGS), ETC., REQUIRED IN STRUCTURAL STEEL MEMBERS FOR THE WORK OF OTHER TRADES SHALL BE SHOWN ON THE SHOP DRAWINGS. BURNING OF HOLES AND CUTS IN STRUCTURAL STEEL MEMBERS IN THE FIELD SHALL NOT BE ALLOWED, EXCEPT BY WRITTEN PERMISSION FROM THE ARCHITECT.
10. THE DESIGN, MANUFACTURE AND ERECTION OF BAR JOISTS SHALL BE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR OPEN WEB STEEL JOISTS" OF THE STEEL JOIST INSTITUTE, CURRENT EDITION. ONLY JOISTS LISTED IN THE INSTITUTION CATALOG BY DESIGNATION SHALL BE USED.
11. NUMBER OF ROWS OF JOIST BRIDGING TO BE AS SHOWN ON FRAMING PLANS. SIZE AND CONNECTION OF BRIDGING IS TO BE DESIGNED BY THE JOIST MANUFACTURER IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR OPEN WEB STEEL JOISTS" OF THE STEEL JOIST INSTITUTE, CURRENT EDITION.
12. ALL EQUIPMENT HUNG FROM JOISTS SHALL BE SUPPORTED FROM TOP CHORDS AT PANEL POINTS AND LOCATED SO THAT THE WEIGHT IS DISTRIBUTED AMONG THE GREATEST POSSIBLE NUMBER OF JOISTS.
13. JOIST SEATS SHALL BE DESIGNED TO TRANSFER 1500 POUND SHEAR FORCE FROM ROOF DECK TO SUPPORT BELOW, UNLESS OTHERWISE NOTED ON PLAN.
14. THE MANUFACTURE, DETAILING AND ERECTION OF METAL DECKS SHALL BE IN ACCORDANCE WITH ANSI/SDI RD-2010, STANDARD FOR STEEL ROOF DECK.
15. STEEL FOR THE ROOF DECKS SHALL BE ASTM A-653 OR A-1008 WITH A MINIMUM YIELD STRENGTH OF 33,000 PSI.
16. STRUCTURAL DIAPHRAGM ACTION SHALL BE PROVIDED BY THE METAL ROOF DECK AND ITS ATTACHMENTS. SEE PLANS FOR ATTACHMENT INFORMATION.
17. STEEL LINTELS SHALL HAVE A MINIMUM END BEARING OF 8" AND, UNLESS OTHERWISE NOTED, SHALL BE OF THE SIZES LISTED BELOW.
 - a) ONE ANGLE SHALL BE USED FOR EACH 4" OF WALL THICKNESS. PLATES INDICATED SHALL BE 1/2" LESS THAN WALL WIDTH.

UP TO 4'-0" SPAN L 3-1/2 X 3-1/2 X 5/16
 4'-0" TO 6'-0" SPAN L 5 X 3-1/2 X 3/8
 6'-0" TO 8'-0" SPAN L 6 X 3-1/2 X 3/8
 8'-0" TO 12'-0" SPAN W 8 X 18 + 5/16 PLATE ON BOTTOM

MASONRY

1. CONCRETE MASONRY CONSTRUCTION SHALL CONFORM TO THE BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES, ACI 530-13.
2. MASONRY MATERIALS SHALL CONFORM TO THE LATEST EDITIONS OF THE FOLLOWING SPECIFICATIONS:
 - a) HOLLOW LOAD-BEARING UNITS, ASTM C90, COMPRESSIVE STRENGTH SHALL BE OVER 2,800 PSI ON AVERAGE NET AREA OF UNITS.
 - b) MORTAR, ASTM C270, TYPE "S".
 - c) GROUT, ASTM C 476, TYPE "S".
 - d) METAL WIRES USED AS TIES AND ANCHORS SHALL CONFORM TO ASTM A82. ONLY CORROSION-RESISTANT METALS OR METALS WITH SUCH COATING SHALL BE USED.
 - e) REINFORCEMENT, WHEN INDICATED, SHALL BE ASTM A615, GRADE 60. SEE CONCRETE REINFORCEMENT NOTES FOR LAP REQUIREMENTS.
3. CONCRETE MASONRY STRENGTH, fm, AT 28 DAYS SHALL BE A MINIMUM OF 2000 PSI.
4. REINFORCE THE 8" CONCRETE BLOCK WYTHE AS SHOWN ON THE DRAWINGS. CELLS IN THE BLOCK WYTHE OF THE WALLS THAT CONTAIN REINFORCING SHALL BE GROUTED SOLID. PROVIDE FULL MORTAR BEDDING AROUND GROUTED CELLS.
5. MORTAR SHALL BE TESTED BY AN APPROVED TESTING LABORATORY IN ACCORDANCE WITH ASTM C270. TWO SETS OF THREE MORTAR CUBES SHALL BE TAKEN AT RANDOM FOR EACH DAY OF MASONRY WORK. TEST ONE CUBE OF EACH SET AT 7 DAYS AND 28 DAYS. THE THIRD CUBE TO BE TESTED AT 56 DAYS, ONLY IF REQUIRED BY ARCHITECT.
6. CALCIUM CHLORIDE AND/OR ADMIXTURES CONTAINING CALCIUM CHLORIDE SHALL NOT BE INCLUDED IN MORTAR OR GROUT MIX.
7. MASONRY WALLS SHALL BE ADEQUATELY BRACED DURING THEIR ERECTION.
8. SOLIDLY GROUTED MASONRY WITH MINIMUM OF 8" DEPTH SHALL BE PROVIDED FOR BEARING WHEREVER STEEL MEMBERS, SUCH AS BEAMS, LINTELS, JOISTS OR DECKS, BEAR ON MASONRY.

| ROOF LOAD SCHEDULE | |
|--------------------|----------------|
| LIVE LOAD | 20PSF |
| ROOFING | 2PSF (ADHERED) |
| INSULATION | 3PSF |
| SHEATHING | 2PSF |
| STRUCTURE | 4PSF |
| MECHANICAL | 3PSF |
| CEILING | 5PSF |
| MISCELLANEOUS | 3PSF |
| TOTAL LOAD | 42PSF |

Municipal Approval Stamps



Client
 THESE DRAWINGS AND SPECIFICATIONS ARE THE CONFIDENTIAL AND PROPRIETARY PROPERTY OF DXU LLC, AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT WRITTEN AUTHORIZATION.

OBERWEIS/ THAT BURGER JOINT/ WOODGRAIN PIZZA
 LOT B
 O'FALLON, MO

Project

412 S. Wells Street * 2nd Floor = Chicago = IL = 60607
 P: 312 955 0334 = dxuarch.com
 Architect of Record

152 E. Main St.
 Lake Zurich, IL 60047
 Tel (847) 749-0923

Consultant

| | | |
|-----|-------------------|------------|
| | | |
| | | |
| | | |
| | | |
| | | |
| | ISSUED FOR PERMIT | 2019-05-24 |
| No. | Issue | Date |

Brian Dekker

Seal

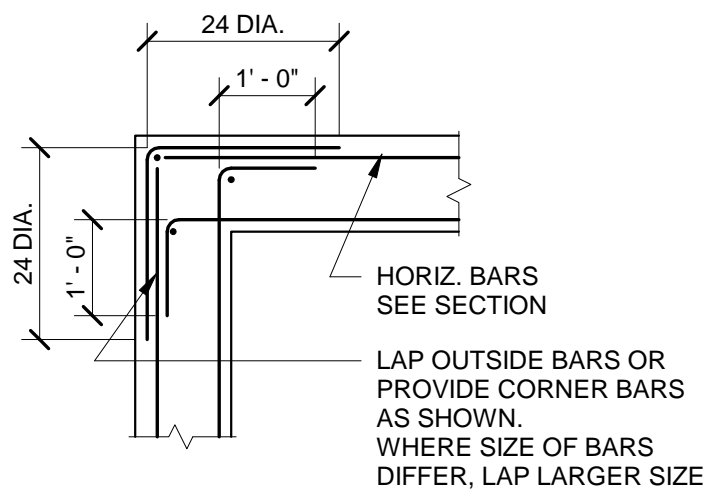
PERMIT

Project Number 18-6453
 Drawn By: NS Approved By: BD
 Title

GENERAL NOTES

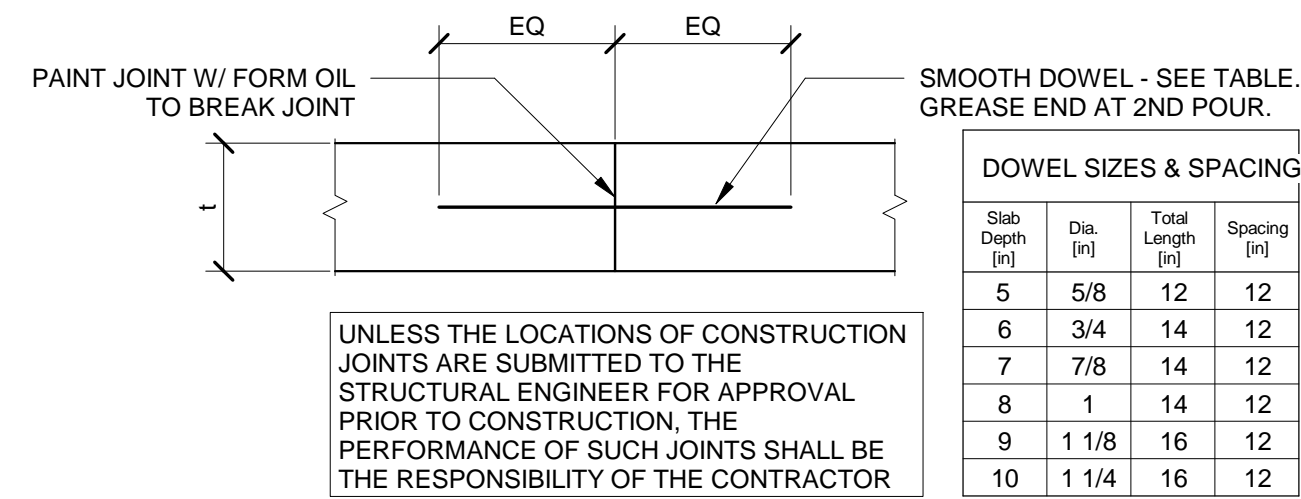
Sheet

S1.0

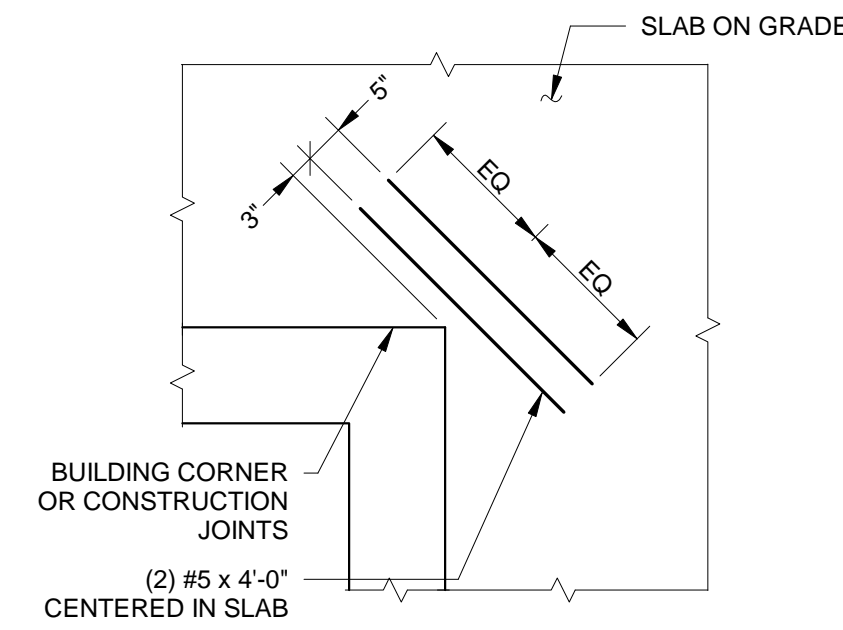


AT CORNER

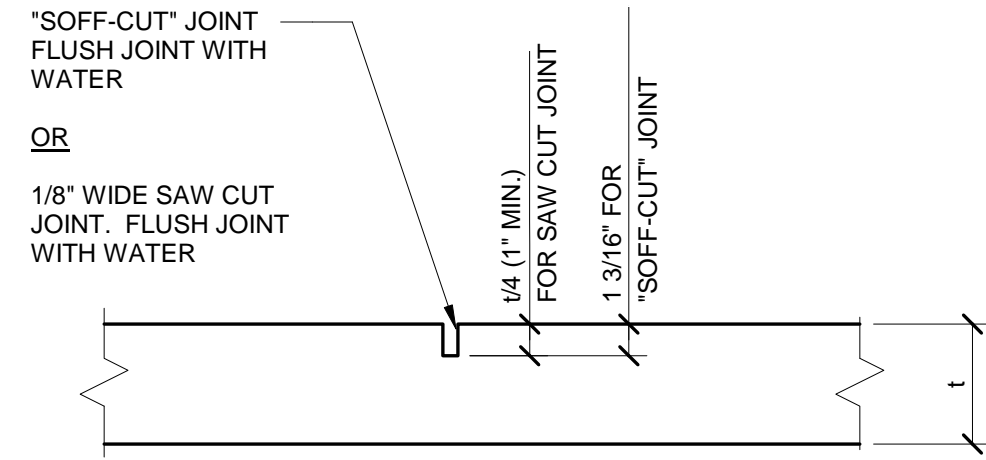
TYP. CONCRETE REINFORCING DETAILS



TYP. CONSTRUCTION JOINT DETAILS

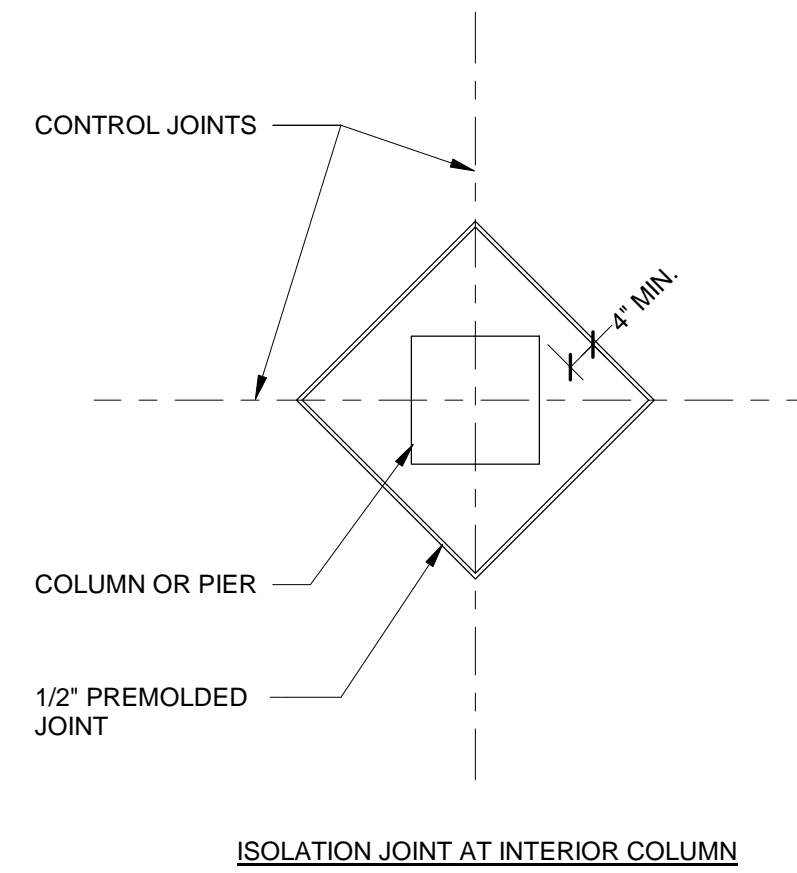


TYP. SLAB REINFORCEMENT AT REENTRANT CORNERS

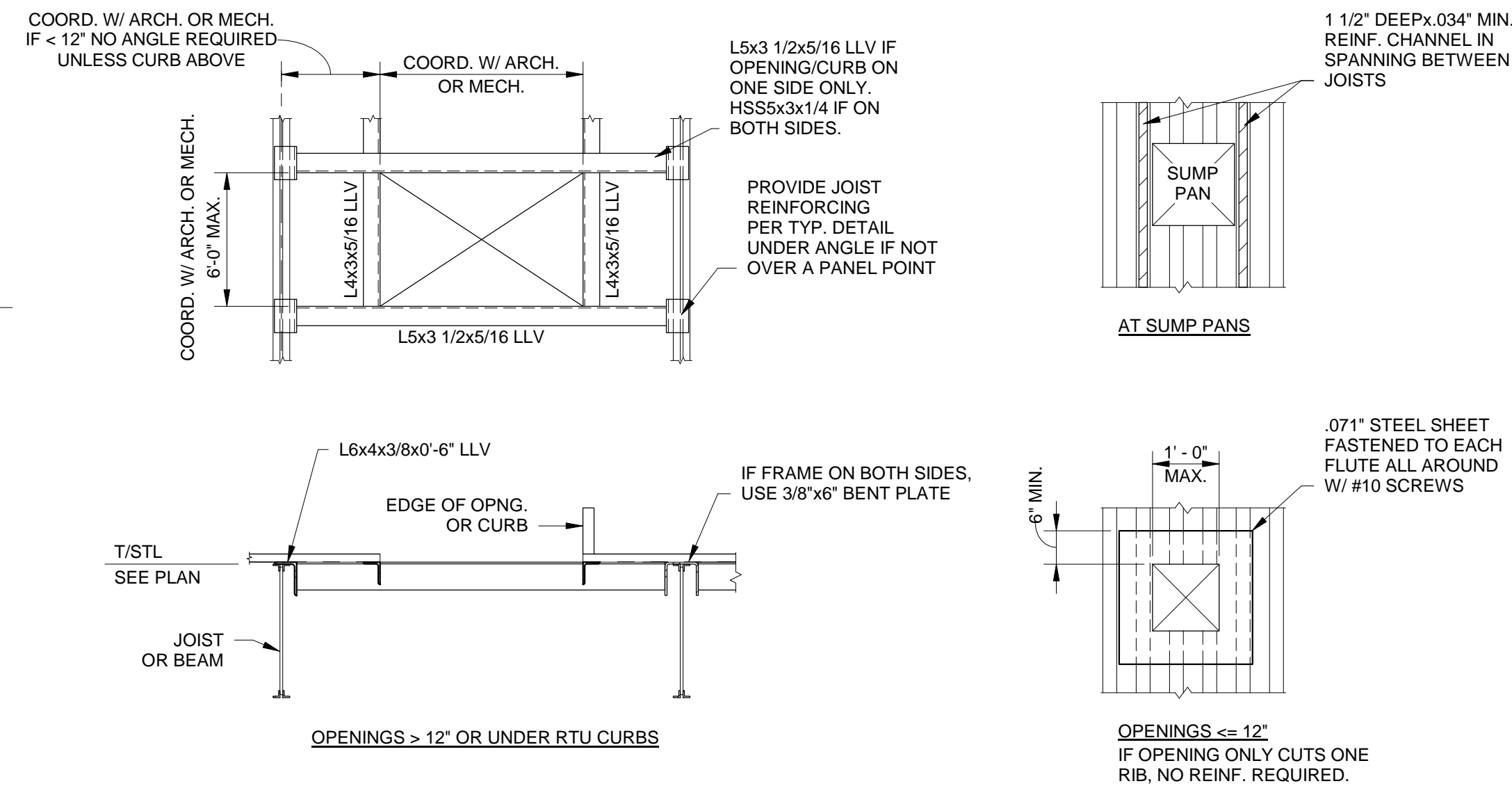


SLAB CONTROL JOINT

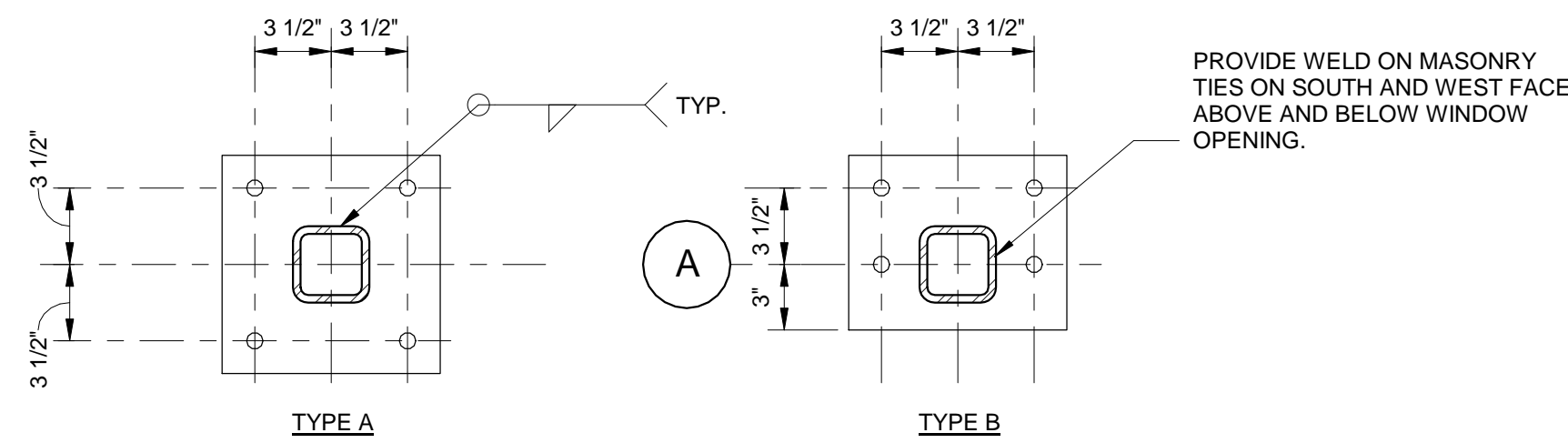
TYP. SLAB ON GRADE JOINT DETAILS



ISOLATION JOINT AT INTERIOR COLUMN

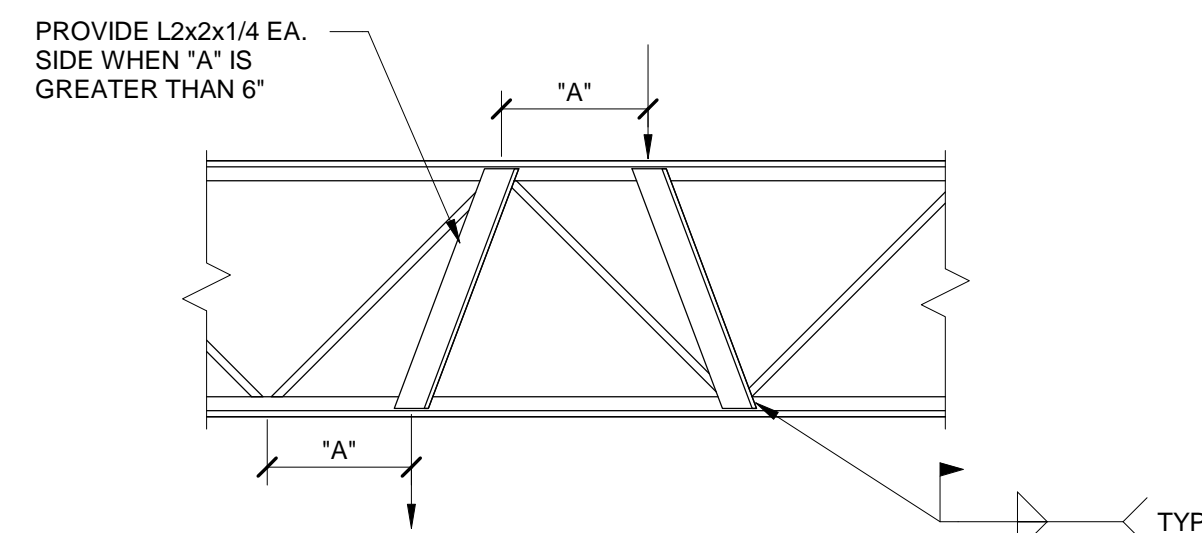


TYPICAL ROOF OPENING OR RTU CURB SUPPORT DETAILS



COL. & FTG.

| GRID | SIZE | BASE PLATE SIZE | BASE PLATE TYPE |
|---------|--------------------|-----------------|-----------------|
| .8A-2.6 | HSS4X4X1/4 | 3/4"x10"x0'-10" | A |
| .8A-2.9 | HSS4X4X1/4 | 3/4"x10"x0'-10" | A |
| .9-.9A | HSS4X4X1/4 | 3/4"x8"x0'-10" | B |
| B-2 | HSS3-1/2X3-1/2X3/8 | 3/4"x10"x0'-10" | A |
| B-3 | HSS3-1/2X3-1/2X3/8 | 3/4"x10"x0'-10" | A |



JOIST REINFORCING AT CONCENTRATED LOAD

TYPICAL BASE PLATE DETAIL

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



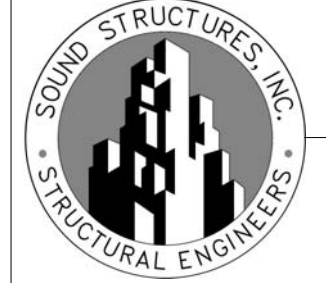
Client
 THESE DRAWINGS AND SPECIFICATIONS ARE THE CONFIDENTIAL AND PROPRIETARY PROPERTY OF DXU LLC, AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT WRITTEN AUTHORIZATION.

OBERWEIS/ THAT BURGER JOINT/ WOODGRAIN PIZZA
 LOT B
 O'FALLON, MO

Project



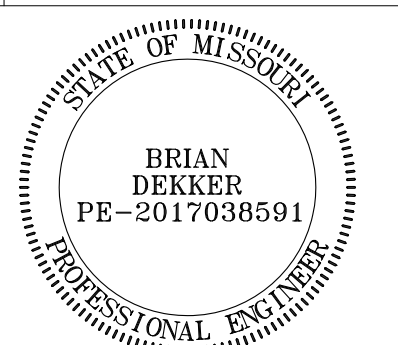
412 S. Wells Street • 2nd Floor • Chicago • IL • 60607
 P: 312 955 0334 • dxuarch.com
 Architect of Record



152 E. Main St.
 Lake Zurich, IL 60047
 Tel (847) 749-0923

Consultant

| No. | Issue | Date |
|-----|-------------------|------------|
| | ISSUED FOR PERMIT | 2019-05-24 |



Seal

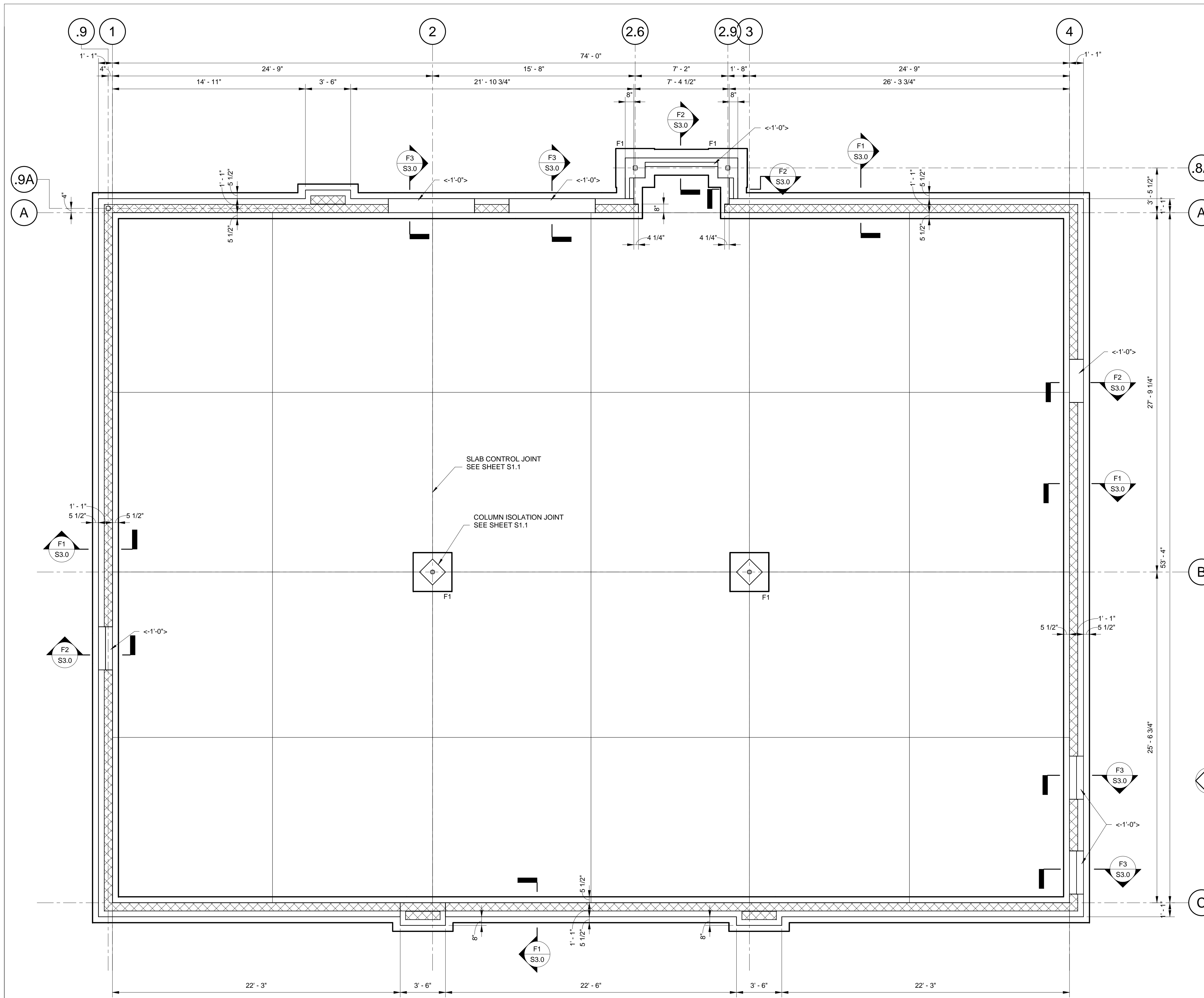
PERMIT

Project Number 18-6453
 Drawn By: NS Approved By: BD
 Title

TYPICAL DETAILS

Sheet

S1.1



SUBGRADE PREPARATION

BENEATH FORMED FOOTINGS AND SLAB-ON-GRADE AREAS, SUBGRADE PREPARATION SHALL INCLUDE THE REMOVAL OF ALL UNSUITABLE SURFACE SOILS INCLUDING SOFT CLAYS, HIGH ORGANIC TOPSOIL, ROOT MATTER, DEBRIS AND OTHER DELETERIOUS MATERIALS. FOR SLAB-ON-GRADE AREAS THE EXPOSED SUBGRADE SHALL BE PROOF-ROLLED WITH A HEAVILY LOADED TRUCK. IF LOOSE AREAS ARE OBSERVED, THE LOOSE MATERIAL SHALL BE REMOVED AND REPLACED WITH APPROVED FILL COMPACTED TO A MINIMUM 95% IN ACCORDANCE WITH ASTM SPECIFICATION D 1557.

IN AREAS WHERE FILL IS REQUIRED BELOW THE SLAB-ON-GRADE AND/OR FORMED FOOTINGS, SUBGRADE PREPARATION SHALL INCLUDE THE REMOVAL OF ALL UNSUITABLE SURFACE SOILS INCLUDING SOFT CLAYS, HIGH ORGANIC TOPSOIL, ROOT MATTER, DEBRIS AND OTHER DELETERIOUS MATERIALS. THE FIRST LIFT OF FILL SHALL BE 4.0 INCHES THICK AS MEASURED IN A LOOSE STATE. THEREAFTER, FILL SHALL BE PLACED IN LIFTS NOT TO EXCEED 8.0 INCHES WHEN UNCOMPACTED. EACH LIFT SHALL BE COMPACTED TO THE MINIMUM COMPACTION REQUIREMENT, INDICATED ABOVE, PRIOR TO PLACEMENT OF THE NEXT LIFT. COMPACTION REQUIREMENTS ALSO APPLY TO BACKFILL PLACEMENT AROUND FORMED FOUNDATIONS AND WITHIN TRENCH EXCAVATIONS FOR PIPING AND CONDUIT.

THE ZONE OF COMPACTED FILL MATERIAL SHALL EXTEND BEYOND THE EDGES OF FORMED FOOTINGS A DISTANCE OF ONE FOOT FOR EACH TWO FEET OF THICKNESS OF COMPACTED FILL BENEATH THE FOOTINGS.

LOW-PLASTICITY COHESIVE SOIL OR GRANULAR MATERIAL SHALL BE USED FOR FILL. THE LIQUID LIMIT OF LOW-PLASTICITY FILL SHALL BE LESS THAN 45 PERCENT AND THE PLASTICITY INDEX SHOULD BE LESS THAN 20 PERCENT. ON-SITE SOILS THAT ARE FREE OF ORGANIC MATTER COULD BE USED AS FILL UNDER SLAB-ON-GRADE. SOME ADJUSTMENT IN THE MOISTURE CONTENT OF THE ON-SITE SOIL WILL PROBABLY BE REQUIRED.

THE BOTTOM OF WET EXCAVATIONS SHALL BE STABILIZED WITH A LAYER OF WELL-GRADED CRUSHED STONE CONTAINING LESS THAN 5 PERCENT FINES PASSING A #200 SIEVE.

FOOTING SCHEDULE

| MARK | SIZE | REINFORCING |
|------|-------------------|-------------|
| F1 | 3'-0"x3'-0"x1'-0" | 6-#4 B.E.W. |

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

5" NORMAL WEIGHT CONCRETE SLAB ON 6" WELL GRADED GRANULAR FILL. REINFORCE THE CONCRETE SLAB WITH 6x6-W1.4xW1.4 W.W.F.

TOP OF SLAB ELEVATION 0'-0"

TOP OF WALL ELEVATION 0'-0" UNLESS OTHERWISE NOTED THUS <- - ->

TOP OF INTERIOR FOOTING ELEVATION -1'-0"

TOP OF EXTERIOR FOOTING ELEVATION -3'-0"



Client
THESE DRAWINGS AND SPECIFICATIONS ARE THE CONFIDENTIAL AND PROPRIETARY PROPERTY OF DXU LLC, AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT WRITTEN AUTHORIZATION.

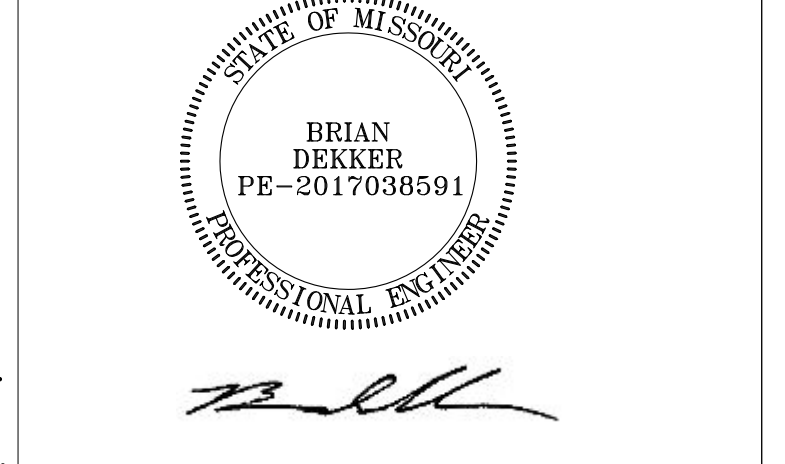
OBERWEIS/ THAT BURGER JOINT/ WOODGRAIN PIZZA
LOT B
O'FALLON, MO

Project
DXU ARCHITECTS
412 S. Wells Street • 2nd Floor • Chicago • IL • 60607
P: 312 955 0334 • dxuarch.com
Architect of Record

SOUND STRUCTURES, INC.
STRUCTURAL ENGINEERS
152 E. Main St.
Lake Zurich, IL 60047
Tel (847) 749-0923

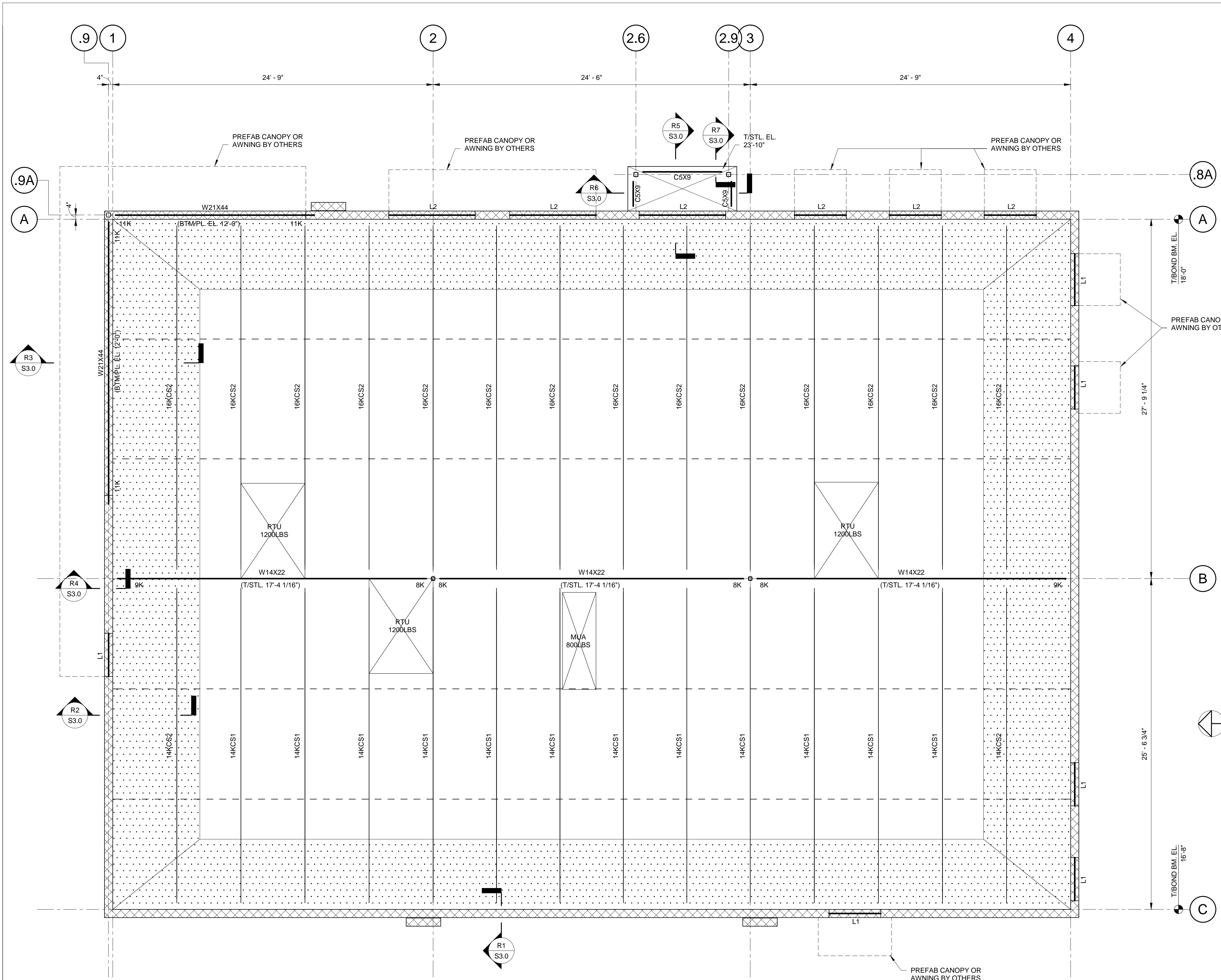
Consultant

| | | |
|-----|-------------------|------------|
| No. | ISSUED FOR PERMIT | 2019-05-24 |
| | Issue | Date |



Seal
PERMIT
Project Number 18-6453
Drawn By: NS Approved By: BD
Title
FOUNDATION PLAN

Sheet
S2.0



ROOF FRAMING PLAN
 SCALE: 1/4" = 1'-0"

1 1/2" x 22GA. WIDE RIB METAL ROOF DECK. FASTEN DECK TO FRAMING WITH 5/8" DIA. PUDDLE WELDS WITH A 3/4" PATTERN AND 2 #10 TEK SCREW SIDELAP FASTENER PER SPAN WITHING 6'-0" OF PERIMETER AND 1 #10 TEK SCREW FOR THE REMAINDER OF ROOF.

SEE PLAN FOR TOP OF BOND BEAM ELEVATION.

SEE PLAN FOR STEEL ELEVATION NOTED THUS (---)

DESIGN JOISTS, BRIDGING, AND ATTACHMENTS FOR A NET ASD UPLIFT OF 10PSF.

L1 INDICATES A ONE COURSE MASONRY LINTEL W/ 1-#6. SEE ELEVATIONS FOR MORE INFORMATION.

L2 INDICATES A TWO COURSE MASONRY LINTEL W/ 1-#6 PER COURSE. SEE ELEVATIONS FOR MORE INFORMATION.



Client
THESE DRAWINGS AND SPECIFICATIONS ARE THE CONFIDENTIAL AND PROPRIETARY PROPERTY OF DXU LLC, AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT WRITTEN AUTHORIZATION.

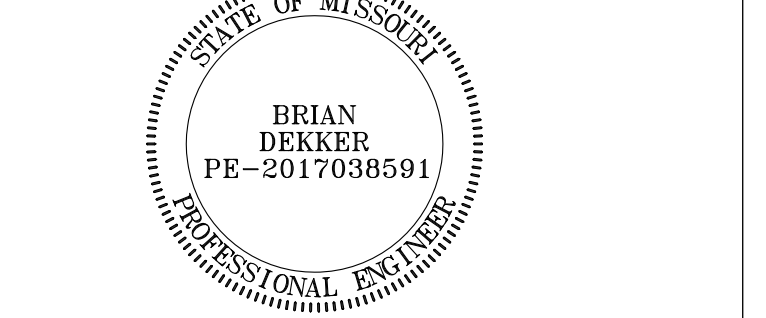
OBERWEIS/ THAT BURGER JOINT/ WOODGRAIN PIZZA
 LOT B
 O'FALLON, MO

Project
DXU ARCHITECTS
 412 S. Wells Street - 2nd Floor - Chicago - IL - 60607
 P: 312 955 0334 - dxuarch.com
 Architect of Record



Consultant

| | |
|--|--|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

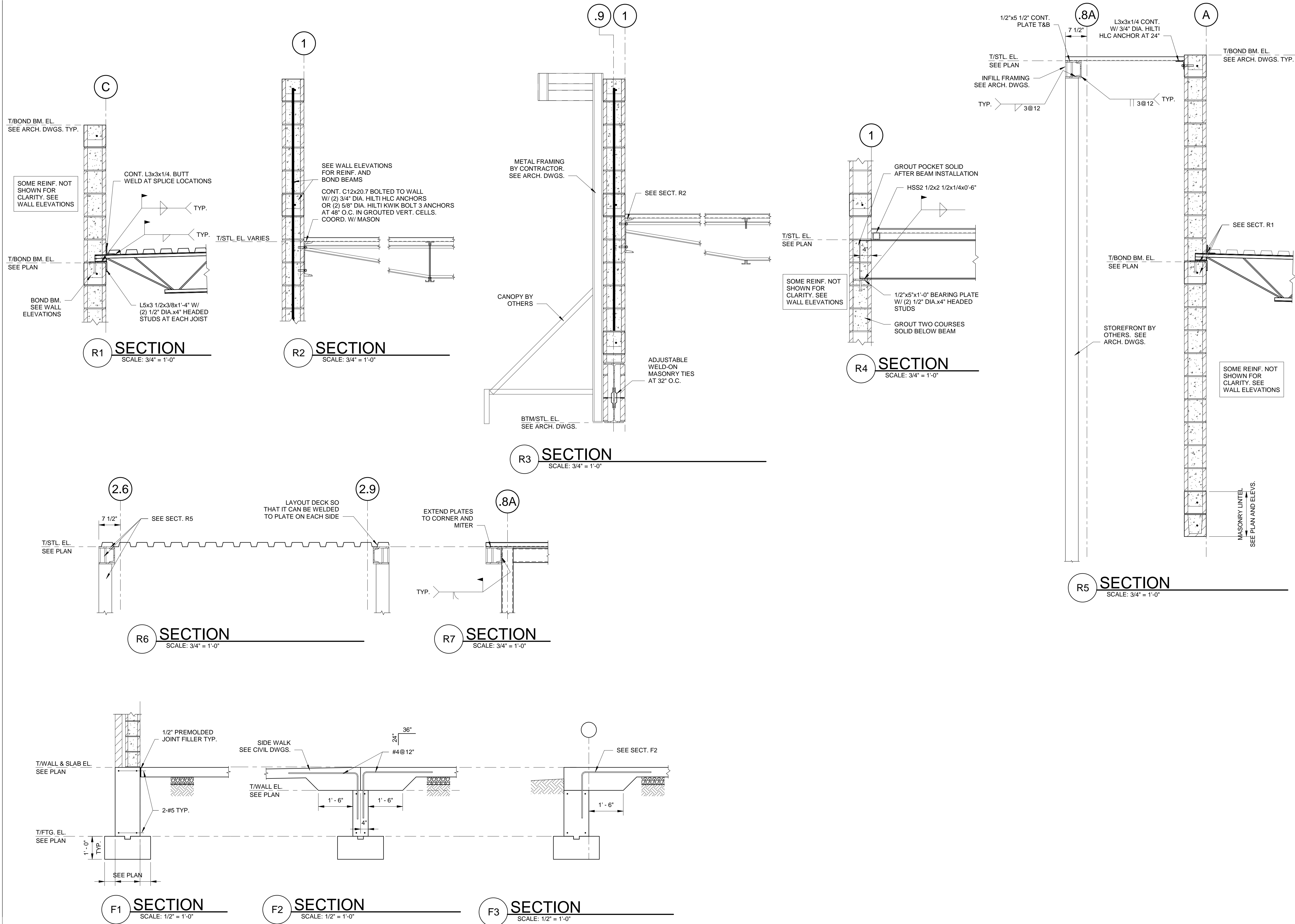


Seal

PERMIT

Project Number 18-6453
 Drawn By: NS Approved By: BD
 Title
ROOF FRAMING PLAN

Sheet
S2.1



Client
 THESE DRAWINGS AND SPECIFICATIONS ARE THE CONFIDENTIAL AND PROPRIETARY PROPERTY OF DXU LLC AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT WRITTEN AUTHORIZATION.

OBERWEIS/ THAT BURGER JOINT/ WOODGRAIN PIZZA
 LOT B
 O'FALLON, MO

Project

DXU ARCHITECTS
 412 S. Wells Street • 2nd Floor • Chicago • IL • 60607
 P: 312 955 0334 • dxuarch.com
 Architect of Record

Consultant

SOUND STRUCTURES, INC.
 STRUCTURAL ENGINEERS
 152 E. Main St.
 Lake Zurich, IL 60047
 Tel (847) 749-0923

| No. | Issue | Date |
|-----|-------------------|------------|
| | ISSUED FOR PERMIT | 2019-05-24 |

Seal

STATE OF MISSOURI
 BRIAN DEKKER
 PE-2017038591
 PROFESSIONAL ENGINEER

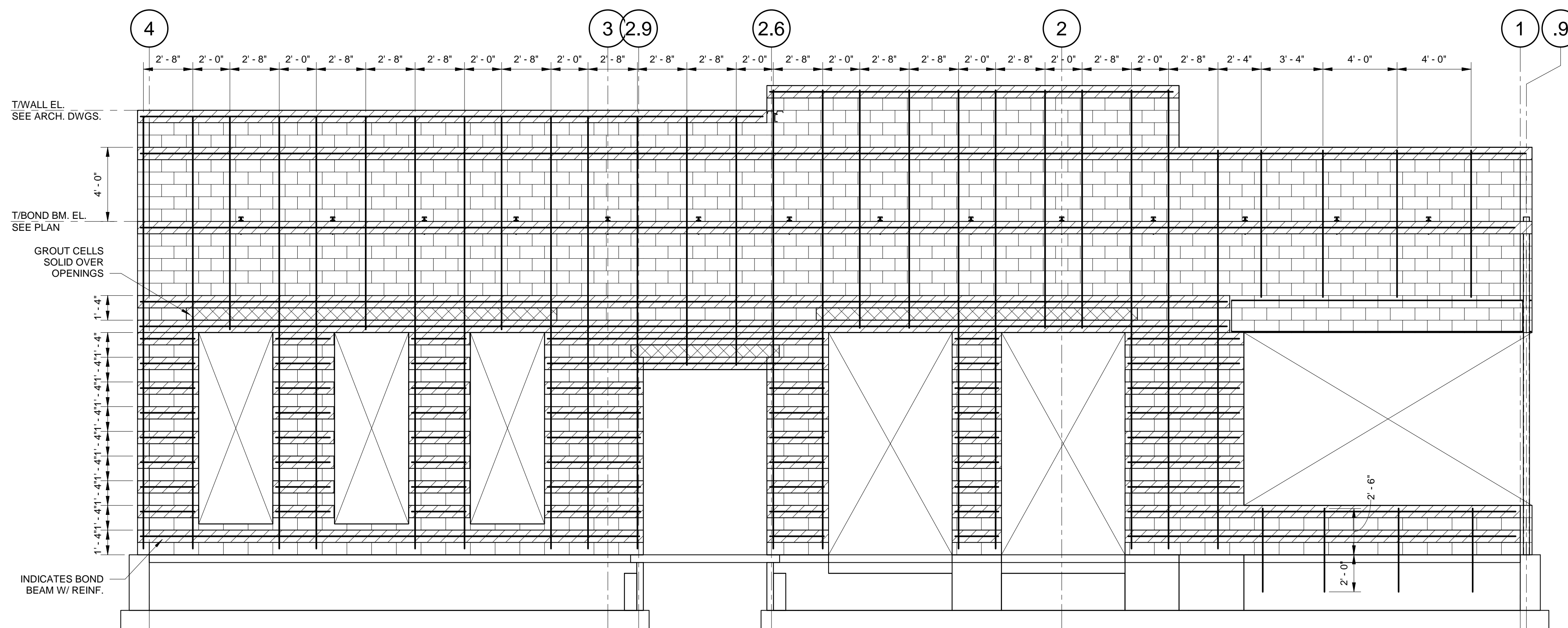
Brian Dekker

PERMIT

Project Number 18-6453
 Drawn By: NS Approved By: BD
 Title
SECTIONS

Sheet

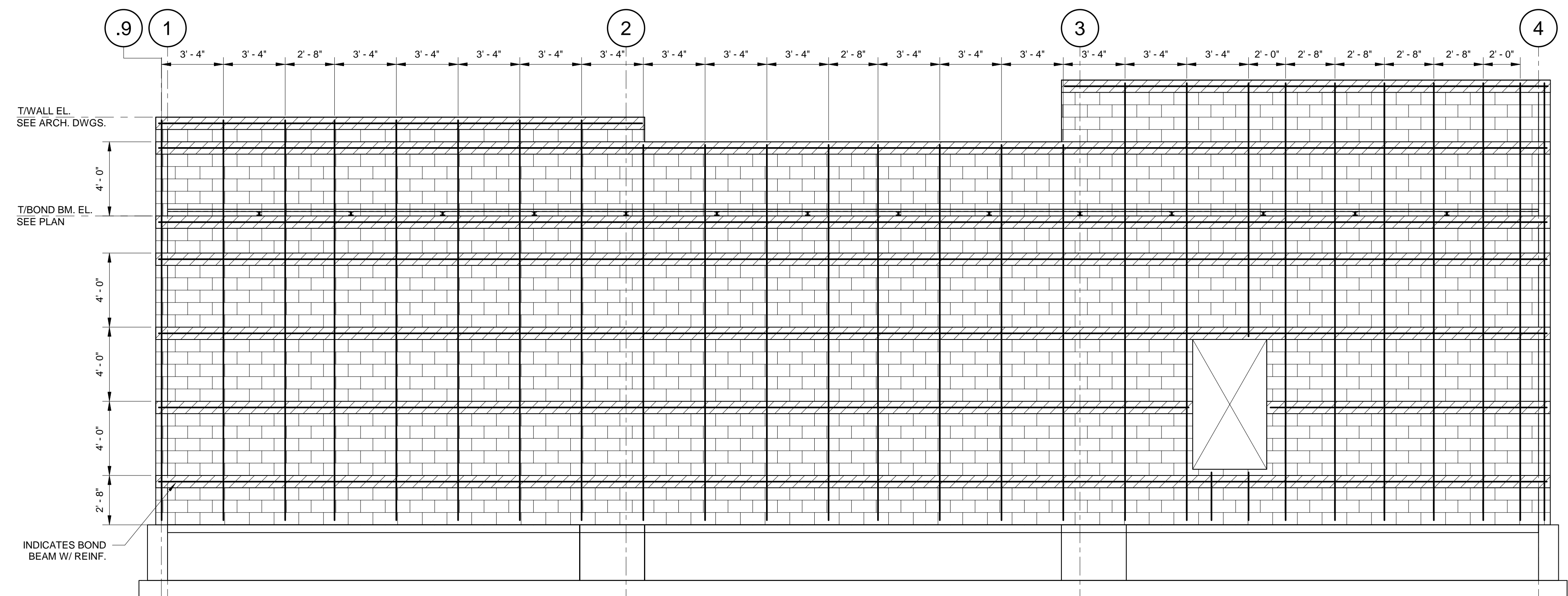
S3.0



EAST ELEVATION

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

ALL VERTICAL BARS ARE #5. ALL HORIZONTAL BARS ARE #5.
DO NOT PROVIDE ANY CONTROL JOINTS IN CMU.
THE CMU PATTERN IS GRAPHICAL ONLY AND DOES NOT REPRESENT THE EXACT BLOCK LAYOUT.
REFERENCE ARCHITECTURAL DRAWINGS FOR MASONRY OPENING DIMENSIONS.
HATCHED AREAS INDICATE BOND BEAM COURSES OR LINTELS.



WEST ELEVATION

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

ALL VERTICAL BARS ARE #5. ALL HORIZONTAL BARS ARE #5.
DO NOT PROVIDE ANY CONTROL JOINTS IN CMU.
THE CMU PATTERN IS GRAPHICAL ONLY AND DOES NOT REPRESENT THE EXACT BLOCK LAYOUT.
REFERENCE ARCHITECTURAL DRAWINGS FOR MASONRY OPENING DIMENSIONS.
HATCHED AREAS INDICATE BOND BEAM COURSES OR LINTELS.



Client

THESE DRAWINGS AND SPECIFICATIONS ARE THE CONFIDENTIAL AND PROPRIETARY PROPERTY OF DXU LLC, AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT WRITTEN AUTHORIZATION.

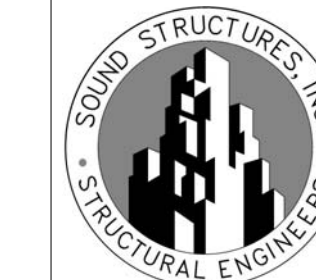
OBERWEIS/ THAT BURGER JOINT/ WOODGRAIN PIZZA
LOT B
O'FALLON, MO

Project



412 S. Wells Street • 2nd Floor • Chicago • IL • 60607
P: 312 955 0334 • dxuarch.com

Architect of Record

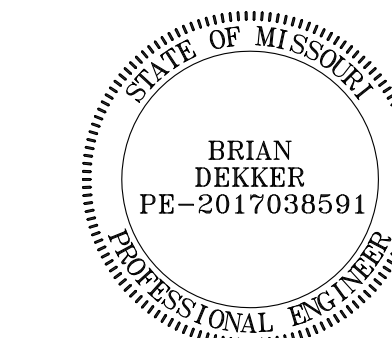


152 E. Main St.
Lake Zurich, IL 60047

Tel (847) 749-0923

Consultant

| No. | Issue | Date |
|-----|-------------------|------------|
| | ISSUED FOR PERMIT | 2019-05-24 |



Brian Dekker

Seal

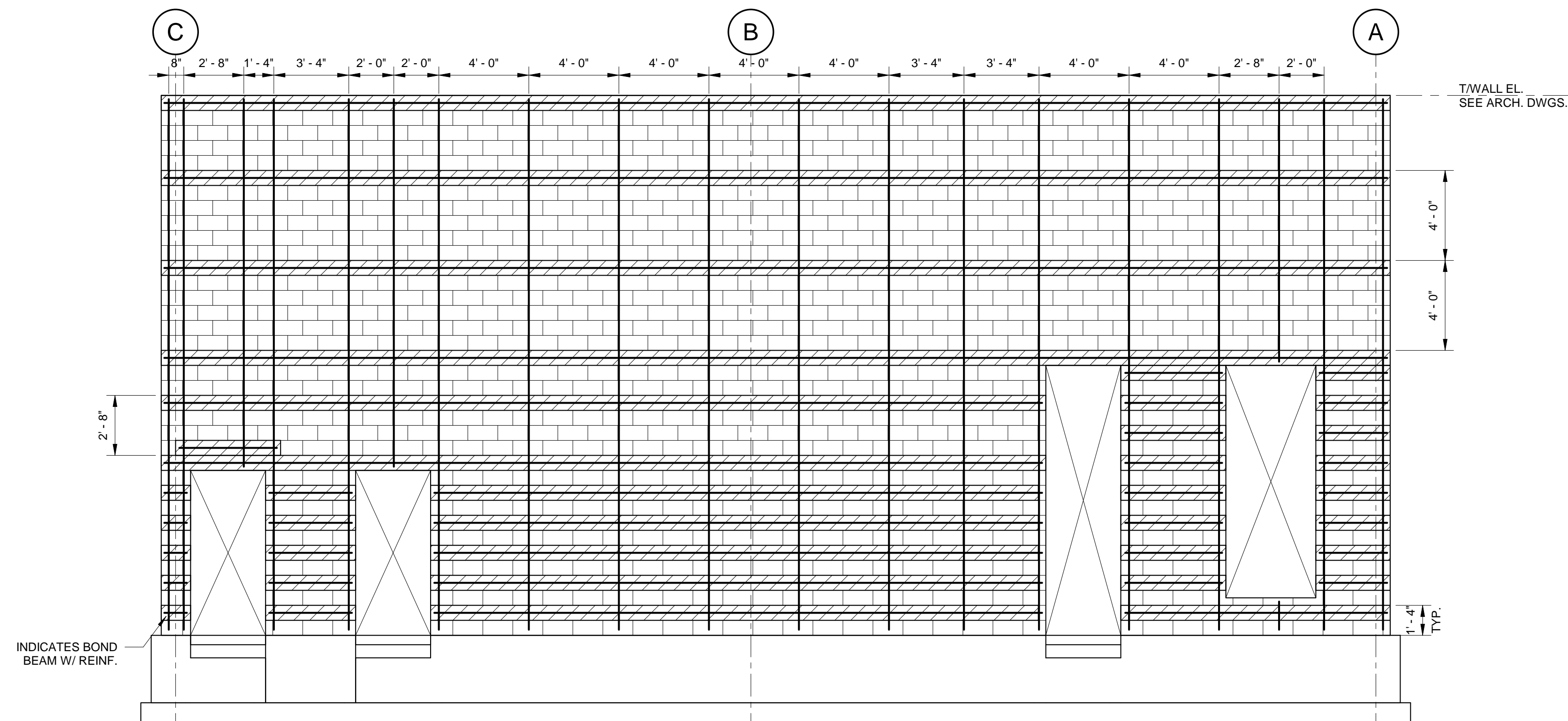
PERMIT

Project Number 18-6453
Drawn By: NS Approved By: BD
Title

WALL ELEVATIONS

Sheet

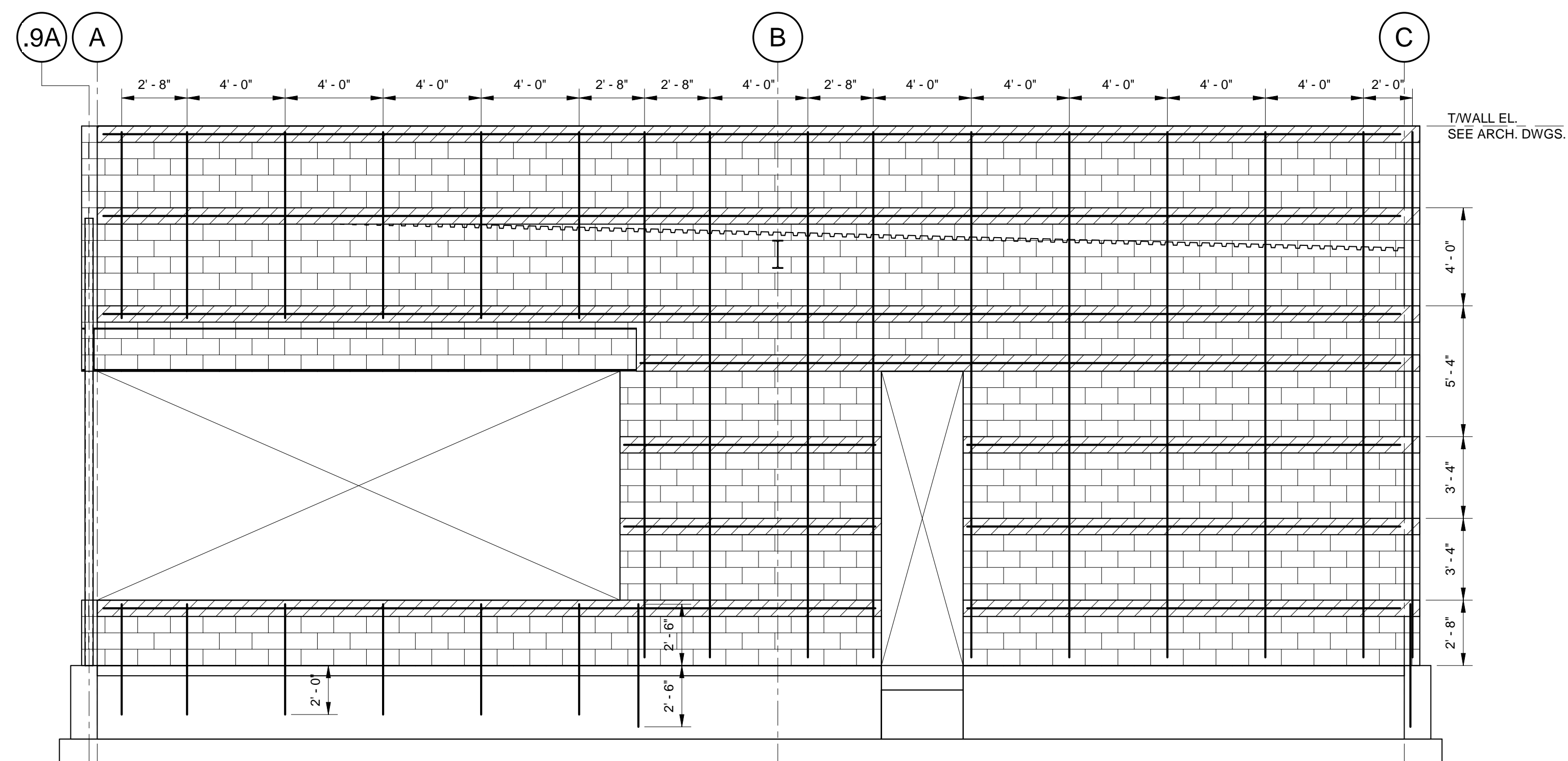
S4.0



SOUTH ELEVATION(LOOKING NORTH)

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

ALL VERTICAL BARS ARE #5. ALL HORIZONTAL BARS ARE #5.
DO NOT PROVIDE ANY CONTROL JOINTS IN CMU.
THE CMU PATTERN IS GRAPHICAL ONLY AND DOES NOT REPRESENT THE EXACT BLOCK LAYOUT.
REFERENCE ARCHITECTURAL DRAWINGS FOR MASONRY OPENING DIMENSIONS.
HATCHED AREAS INDICATE BOND BEAM COURSES OR LINTELS.



NORTH ELEVATION(LOOKING SOUTH)

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

ALL VERTICAL BARS ARE #5. ALL HORIZONTAL BARS ARE #5.
DO NOT PROVIDE ANY CONTROL JOINTS IN CMU.
THE CMU PATTERN IS GRAPHICAL ONLY AND DOES NOT REPRESENT THE EXACT BLOCK LAYOUT.
REFERENCE ARCHITECTURAL DRAWINGS FOR MASONRY OPENING DIMENSIONS.
HATCHED AREAS INDICATE BOND BEAM COURSES OR LINTELS.



Client

THESE DRAWINGS AND SPECIFICATIONS ARE THE CONFIDENTIAL AND PROPRIETARY PROPERTY OF DXU LLC, AND SHALL NOT BE COPIED OR REPRODUCED WITHOUT WRITTEN AUTHORIZATION.

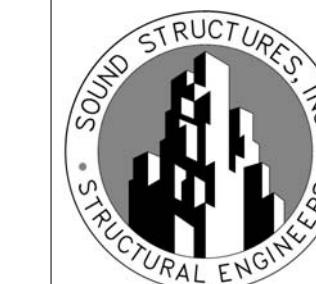
OBERWEIS/ THAT BURGER JOINT/ WOODGRAIN PIZZA
LOT B
O'FALLON, MO

Project



412 S. Wells Street • 2nd Floor • Chicago • IL • 60607
P: 312 955 0334 • dxuarch.com

Architect of Record

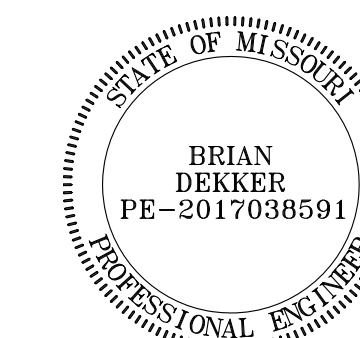


152 E. Main St.
Lake Zurich, IL 60047

Tel (847) 749-0923

Consultant

| No. | Issue | Date |
|-----|-------------------|------------|
| | ISSUED FOR PERMIT | 2019-05-24 |



Seal

PERMIT

Project Number 18-6453

Drawn By: NS Approved By: BD

Title
WALL ELEVATIONS

Sheet

S4.1