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© 1



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Civil Engineer: CEDAR CORPORATION
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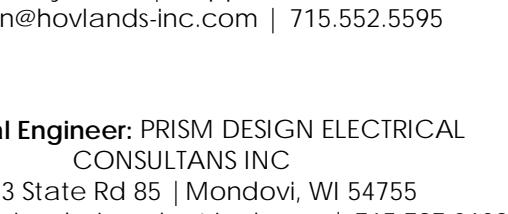
Structural Engineer: Structural Engineering
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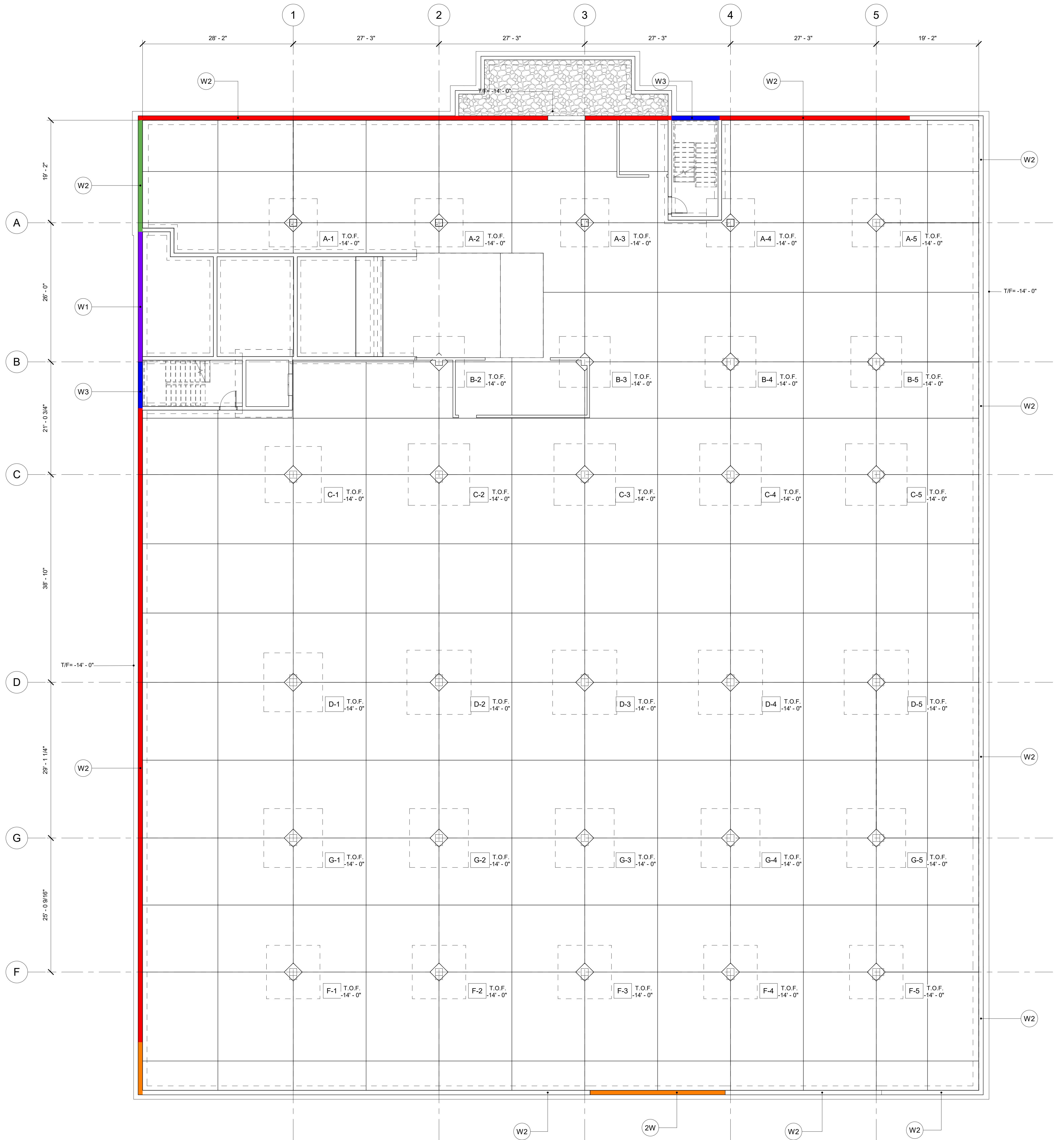
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CANNERY TRAIL RESIDENCES - 1750 N OXFORD AVE. - EAU CLAIRE, WI FOUNDATION PLAN

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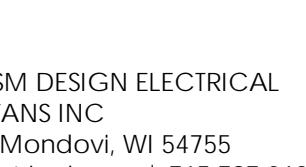
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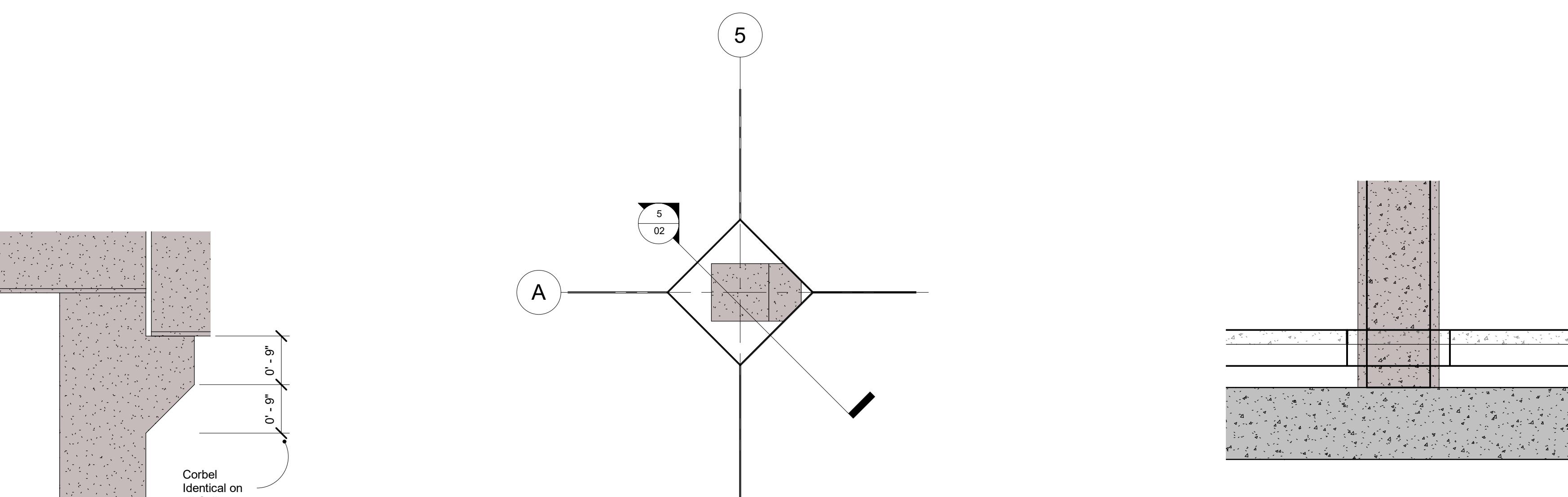
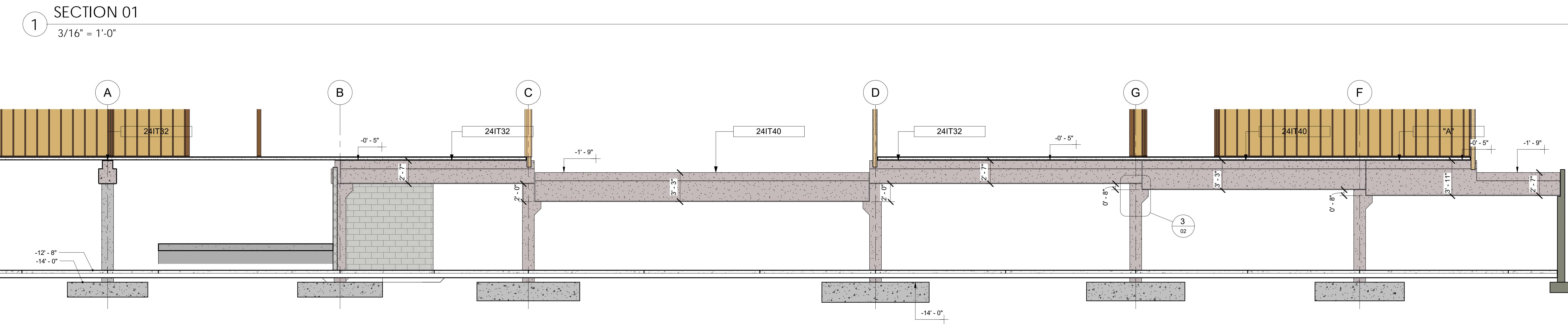
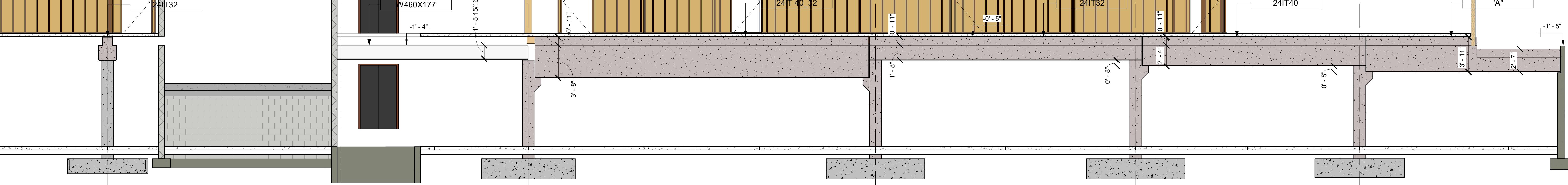
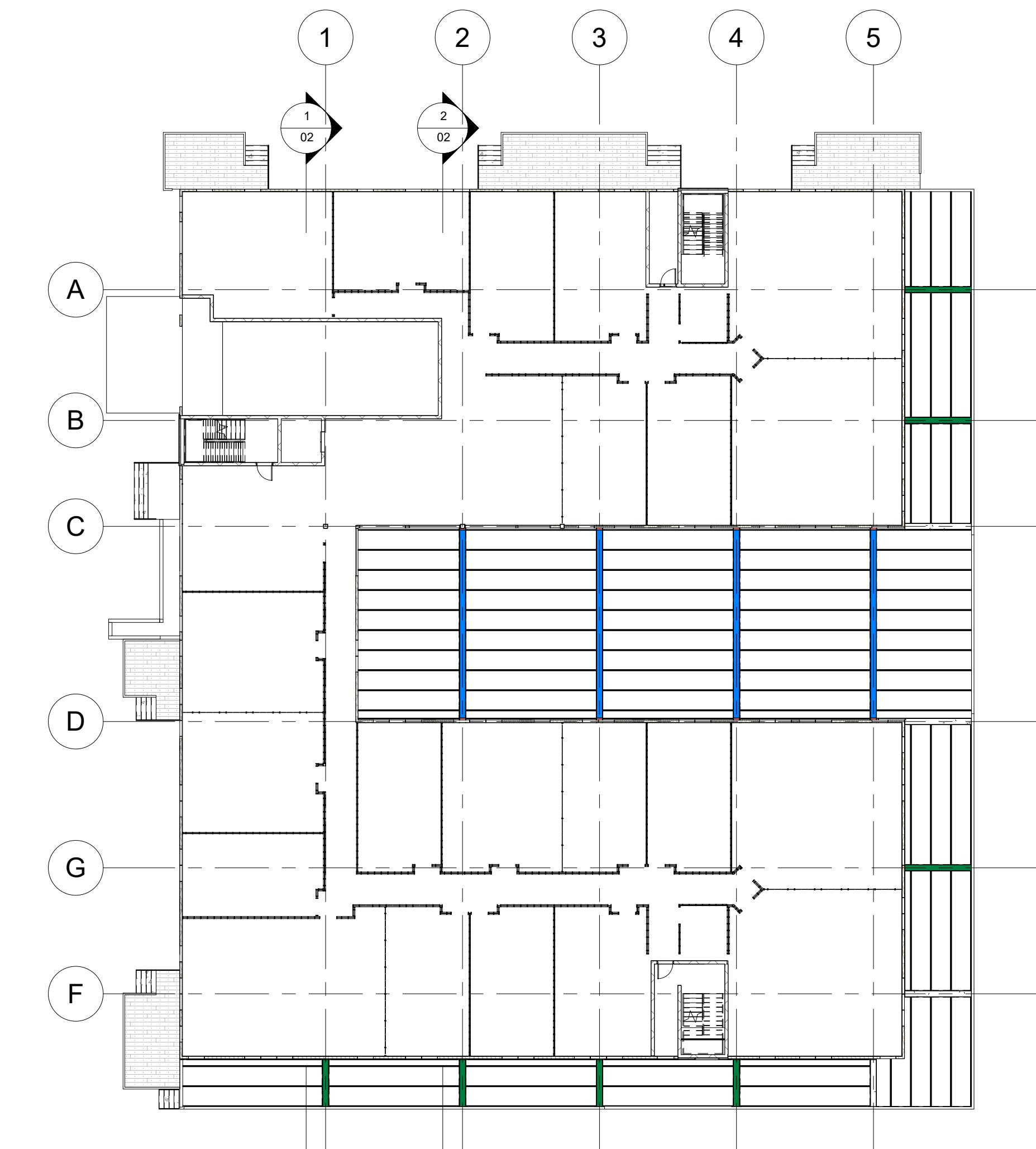
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CANNERY TRAIL RESIDENCES - 1750 N OXFORD AVE. - EAU CLAIRE, WI

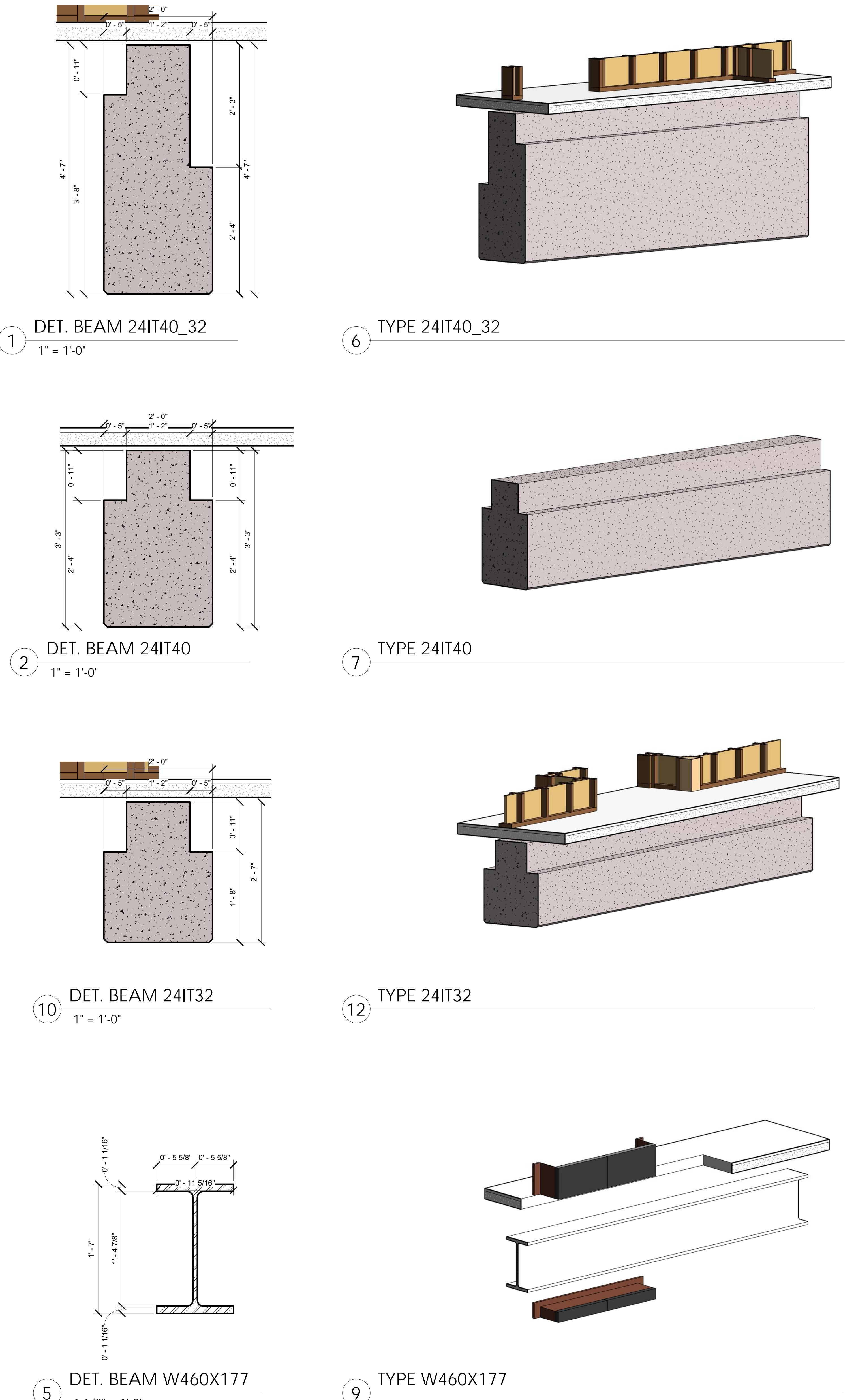
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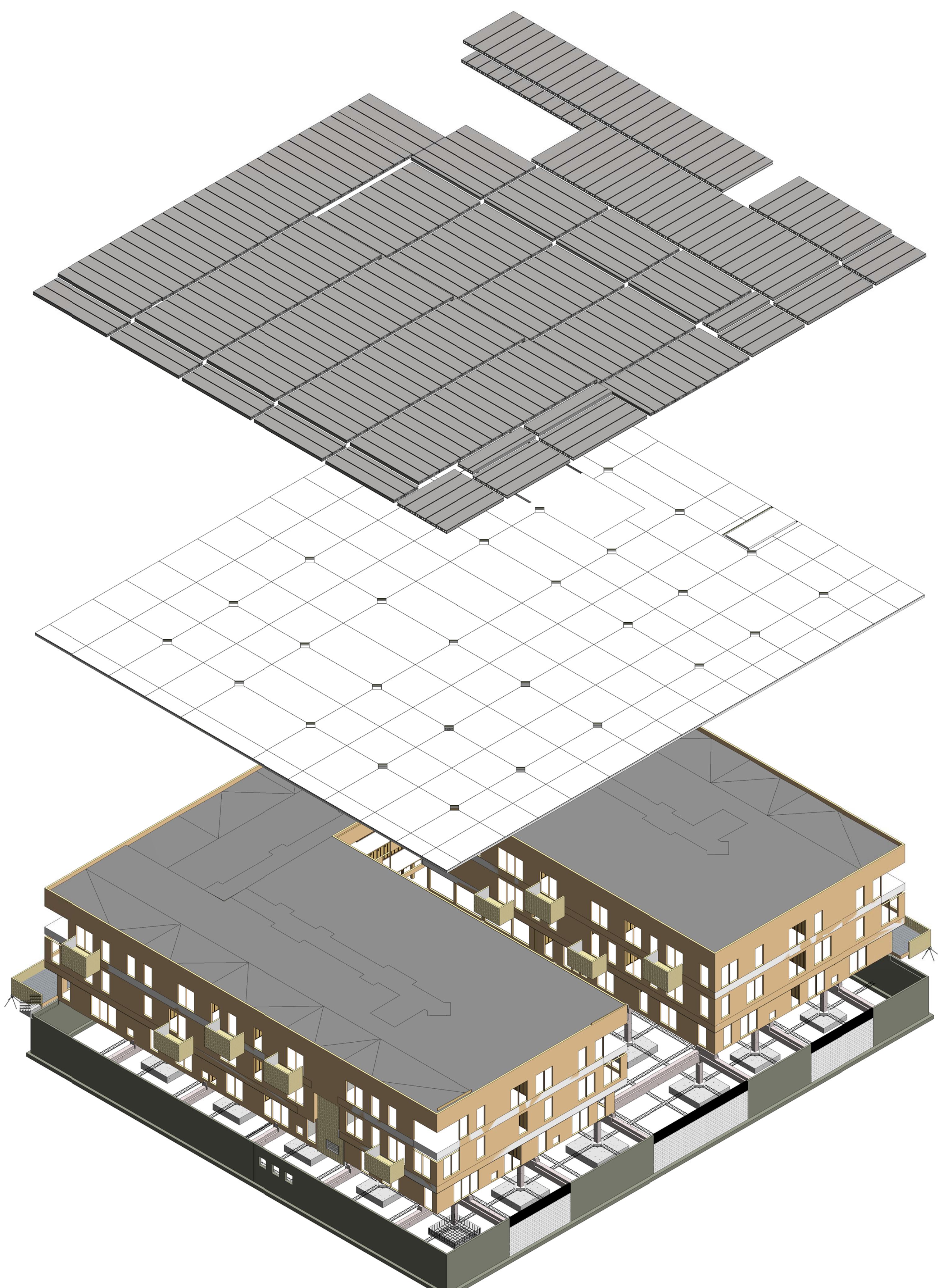
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CANNERY TRAIL RESIDENCES - 1750 N OXFORD AVE. - EAU CLAIRE, WI

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HOLLOWCORE SLAB

COMPLETE OR DEPARTED	HOLLOWCORE TYPE	LENGTH	COUNT	MASS
AL	HEAVY	5' - 4 3/16"	12	4.598 m ³
AL	HEAVY	18' - 11 7/16"	3	4.264 m ³
AL	HEAVY	18' - 11 3/4"	33	46.345 m ³
AL	HEAVY	19' - 0"	6	8.550 m ³
AL	HEAVY	19' - 0 1/8"	1	1.426 m ³
AL	HEAVY	19' - 0 3/8"	3	4.282 m ³
AL	HEAVY	19' - 9"	4	5.925 m ³
AL	HEAVY	21' - 9 5/8"	4	6.541 m ³
AL	HEAVY	23' - 9"	4	7.125 m ³
AL	HEAVY	24' - 8"	22	40.701 m ³
AL	HEAVY	24' - 8 9/16"	4	7.415 m ³
AL	HEAVY	25' - 11"	127	246.860 m ³
AL	HEAVY	26' - 6"	5	9.938 m ³
AL	HEAVY	27' - 8 7/16"	1	2.078 m ³
AL	HEAVY	27' - 10"	4	8.350 m ³
AL	HEAVY	28' - 0"	27	56.701 m ³
AL	HEAVY	28' - 6 9/16"	3	6.423 m ³

AL/2	HEAVY	18' - 11"	1	0.480 m ³
AL/2	HEAVY	18' - 11 7/16"	1	0.384 m ³
AL/2	HEAVY	19' - 9"	2	0.951 m ³
AL/2	HEAVY	21' - 9 5/8"	1	1.211 m ³
AL/2	HEAVY	23' - 9"	2	1.144 m ³
AL/2	HEAVY	24' - 8 9/16"	1	0.501 m ³
AL/2	HEAVY	25' - 11"	11	6.336 m ³
AL/2	HEAVY	26' - 6"	1	0.511 m ³
AL/2	HEAVY	27' - 10"	2	1.340 m ³
AL/2	HEAVY	28' - 0"	2	2.120 m ³

482.498 m³
FOUNDATION

TYPE	LONG	WIDTH	HEIGHT	COUNT	MASS
FT90a	9' - 0"	9' - 0"	1' - 8"	2	7.65 m ³
FT90b	9' - 0"	9' - 0"	1' - 8"	3	11.47 m ³
FT96a	9' - 6"	9' - 6"	1' - 8"	1	4.26 m ³
FT96b	9' - 6"	9' - 6"	1' - 8"	3	12.78 m ³
FT100	10' - 0"	10' - 0"	2' - 1"	5	29.50 m ³
FT106	10' - 6"	10' - 6"	2' - 3"	1	7.02 m ³
FT110a	11' - 0"	11' - 0"	2' - 3"	8	65.25 m ³
FT110b	11' - 0"	11' - 0"	2' - 1"	2	15.42 m ³
FT116	11' - 6"	11' - 6"	2' - 1"	4	31.21 m ³

184.55 m³
STRUCTURAL COLUMN

POSITION	HEIGHT	MASS
	8' - 4 7/8"	0.15 m ³
	8' - 4 7/8"	0.15 m ³
	8' - 4 7/8"	0.15 m ³
A1	11' - 0"	0.55 m ³
A2	11' - 0"	0.55 m ³
A3	11' - 0"	0.55 m ³
A4	11' - 0"	0.55 m ³
A5	11' - 0"	0.59 m ³
B2	11' - 0"	0.62 m ³
B3	11' - 0"	0.65 m ³
B4	11' - 0"	0.65 m ³
B5	11' - 0"	0.65 m ³
C1	11' - 0"	0.59 m ³
C2	11' - 0"	0.59 m ³
C3	11' - 0"	0.59 m ³
C4	11' - 0"	0.59 m ³
C5	11' - 0"	0.62 m ³
D1	11' - 0"	0.59 m ³
D2	11' - 0"	0.59 m ³
D3	11' - 0"	0.59 m ³
D4	11' - 0"	0.59 m ³
D5	11' - 0"	0.62 m ³
F1	10' - 4"	0.55 m ³
F2	10' - 4"	0.55 m ³
F3	10' - 4"	0.55 m ³
F4	10' - 4"	0.55 m ³
F5	10' - 4"	0.58 m ³
G1	11' - 0"	0.59 m ³
G2	11' - 0"	0.59 m ³
G3	11' - 0"	0.59 m ³
G4	11' - 0"	0.59 m ³
G5	11' - 0"	0.62 m ³

17.49 m³

Date Description

DESIGN DATA

APPLICABLE CODES/STANDARDS:
....INTERNATIONAL BUILDING CODE - 2016
....ASCE 7-16 MIN DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, ASCE/SEI

STRUCTURAL DESIGN STANDARDS (DESIGN SHALL CONFORM TO THE CURRENT EDITION UNDER THE APPLICABLE CODE):
....ACI 318 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE AND COMMENTARY
....ACI 530/531 BLDG CODE REQUIREMENTS AND SPECS FOR MASONRY STRUCTURES (AND RELATED COMMENTARIES)
....ANSI/AISC 360-16 SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS
....AWS D1.1/D1.1M STRUCTURAL WELDING CODE-STEEL

DEFLECTION LIMITS			
MEMBERS	LIVE	SNOW or WIND	DEAD + LIVE or SNOW
ROOF MEMBERS			
SUPPORTING GYPSUM BOARD CEILINGS	L/360	L/360	L/240
SUPPORTING FLEXIBLE CEILINGS	L/360	L/360	L/240
NOT SUPPORTING CEILING	L/240	L/240	L/180
SUPPORTING RIGID MATERIALS (BRICK, MASONRY, ETC.)	L/600	L/600	L/600
FLOOR MEMBERS			
SUPPORTING RIGID MATERIALS (BRICK, MASONRY, ETC.)	L/600	L/600	L/600
SUPPORTING GYPSUM BOARD CEILINGS	L/540	N/A	L/360
SUPPORTING FLEXIBLE MATERIALS	L/540	N/A	L/360
LINTEL/HEADER/BEAM MEMBERS			
SUPPORTING RIGID MATERIALS (BRICK, MASONRY, ETC.)	L/600	L/600	L/600
SUPPORTING FLEXIBLE MATERIALS (EIFS, SIDING, ETC.)	L/360	L/360	L/240
EXTERIOR WALLS			
WITH RIGID FINISHES (BRICK, MASONRY, ETC.)	N/A	L/600	N/A
WITH FLEXIBLE FINISHES (EIFS, SIDING, ETC.)	N/A	L/360	N/A

BUILDING DESIGN LOADS/CRITERIA

DESIGN LIVE LOADS:
....FLOOR FRAMING (RETAIL, OFFICE, RESTAURANT, RECREATIONAL) 100 psf

....FLOOR FRAMING (RESIDENTIAL AREAS) 40 psf

....STAIRWAYS, EXITS 100 psf

....BALCONIES 40 psf

....PRIVATE GARAGES (PASSENGER VEHICLES ONLY) 40 psf

....INTERIOR PARTITION WALLS (UNIFORMLY DISTRIBUTED WEIGHT) 15 psf

....CORRIDORS FIRST FLOOR 100 psf

....CORRIDORS 2nd & 3rd FLOORS 40 psf

....CORNICES 60 psf

SNOW LOADS & DESIGN DATA:
....DESIGN SNOW LOAD 42 psf (BALANCED SNOW LOAD)

....FLAT ROOF SNOW LOAD (P) = $(0.7C_e C_l s^* P_g)$ 42 psf

....SNOW EXPOSURE FACTOR (Ce) 1.0

....SNOW LOAD IMPORTANCE FACTOR (Is) 1.0

....ROOF THERMAL FACTOR (Ci) 1.0

....GROUND SNOW (Pg) 60 psf

....SLOPED ROOF FACTOR (Cs) 1.0

WIND DESIGN DATA:
....WIND IMPORTANCE FACTOR (Iw) 1.0

....RISK CATEGORY II

....BASIC WIND SPEED (3-SECOND GUST, ULTIMATE) 115 MPH

....BASIC WIND SPEED (3-SECOND GUST, NOMINAL) 90 MPH

....MEAN ROOF HEIGHT 33 FT

....WIND EXPOSURE CATEGORY B

....WIND EXPOSURE CLASSIFICATION ENCLOSED

....VELOCITY EXPOSURE COEFFICIENT Kz 0.720

....TOPOGRAPHIC FACTOR (Kt) 1.0

....DESIGN PROCEDURE METHOD 1 (SIMPLIFIED PROCEDURE)

NET PRESSURE COEFFICIENTS C_{net}		
AREA	C_{net} INTERNAL PRESSURE	C_{net} INTERNAL PRESSURE
WINDWARD WALL	0.43	0.73
LEEWARD WALL	-0.51	-0.21
SIDEWALL	-0.66	-0.35
PARAPET WINDWARD WALL	1.28	
PARAPET LEEWARD WALL	-0.85	
FLAT ROOF	-1.09	-0.79

DESIGN WIND PRESSURES P_{net}		
AREA	P_{net} INTERNAL PRESSURE	P_{net} INTERNAL PRESSURE
WINDWARD WALL	10.5 psf	17.8 psf
LEEWARD WALL	-12.4 psf	-5.1 psf
SIDEWALL	-16.1 psf	-8.5 psf
PARAPET WINDWARD WALL	31.2 psf	
PARAPET LEEWARD WALL	-20.7 psf	
FLAT ROOF	-26.6 psf	-19.3 psf

EARTHQUAKE DESIGN DATA:
....OCCUPANCY CATEGORY II
....SEISMIC IMPORTANCE FACTOR (Ie) 1
....MAPPED SPECTRAL ACCELERATIONS AT SHORT PERIODS (Ss) 0.045 g
....MAPPED SPECTRAL ACCELERATIONS AT (1) SECOND PERIODS (S1) 0.038 g
....SITE CLASSIFICATION B
....SITE COEFFICIENT (Ps) 1.0
....SITE COEFFICIENT (Fv) 1.0
....DESIGN SPECTRAL RESPONSE COEFFICIENT AT SHORT PERIODS (Sds) 0.030 g
....DESIGN SPECTRAL RESPONSE COEFFICIENT AT (1) SECOND PERIODS (Sd1) 0.025 g
....SEISMIC DESIGN CATEGORY A
....BASIC SEISMIC-FORCE-RESISTING SYSTEM LIGHT FRAME WOOD WALLS WITH STRUCTURAL WOOD SHEAR PANELS EQUIVALENT LATERAL FORCE ANALYSIS
....ANALYSIS PROCEDURE FOR SEISMIC DESIGN EQUIVALENT LATERAL FORCE ANALYSIS

SOIL DESIGN VALUES:
....SOIL UNIT WEIGHT 125 PCF (ASSUMED)
....LATERAL EARTH PRESSURE
....AT-REST (BASEMENT WALLS) 62.5 PSF/FT OF DEPTH (ASSUMED)
....PASSIVE 340 PSF (ASSUMED)
....COEFFICIENT OF SLIDING FRICTION 0.30 (ASSUMED)
....SUBGRADE MODULUS 260 PCI (ASSUMED)
....ALLOWABLE SOIL BEARING PRESSURE 3000 PSF

REFER TO SOILS REPORT NO. 17002 DATED 2/10/2017 PREPARED BY ITCO ALLIED ENGINEERING CO. FOR DESCRIPTION OF SOIL CONDITIONS, GEOTECHNICAL RECOMMENDATIONS, AND DESIGN VALUES

MATERIAL STRENGTHS

CAST-IN-PLACE CONCRETE:

FOOTINGS
....MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS $f_c = 3,000$ PSI

....MAXIMUM WATER-CEMENTITIOUS RATIO 0.59
....MAXIMUM AGGREGATE SIZE 1 1/2"

....SLUMP LIMIT 5" +/- 1"

....AIR CONTENT NO

EXTERIOR PIERS, WALLS, AND COLUMNS
....MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS $f_c = 4,000$ PSI

....MAXIMUM WATER-CEMENTITIOUS RATIO 0.48

....MAXIMUM AGGREGATE SIZE 3/4"

....SLUMP LIMIT 4" +/- 1"

....AIR CONTENT YES 4% to 6%

INTERIOR SLABS ON GRADE
....MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS $f_c = 4,000$ PSI

....MAXIMUM WATER-CEMENTITIOUS RATIO 0.48

....MAXIMUM AGGREGATE SIZE 3/4"

....SLUMP LIMIT 4" +/- 1"

....AIR CONTENT NO

STAIR LANDINGS AND TREADS
....MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS $f_c = 4,000$ PSI

....MAXIMUM WATER-CEMENTITIOUS RATIO 0.48

....MAXIMUM AGGREGATE SIZE 3/4"

....SLUMP LIMIT 4" +/- 1"

....AIR CONTENT NO

CONCRETE TOPPING
....MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS $f_c = 4,000$ PSI

....MAXIMUM WATER-CEMENTITIOUS RATIO 0.48

....MAXIMUM AGGREGATE SIZE 3/4"

....SLUMP LIMIT 4" +/- 1"

....AIR CONTENT NO

SLURRY
....MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS $f_c = 1,000$ PSI

....MAXIMUM WATER-CEMENTITIOUS RATIO 0.55

....MAXIMUM AGGREGATE SIZE 1 1/2"

....SLUMP LIMIT 6" +/- 1"

....AIR CONTENT NO

STEEL/METAL:

REINFORCING STEEL:
....ALL ASTM A615, GRADE 60, DEFORMED $F_y = 60,000$ PSI

....STEEL WELDED WIRE REINFORCEMENT, FLAT SHEETS $F_y = 60,000$ PSI

STRUCTURAL STEEL:
....ROLLED WIDE FLANGE SHAPES, ASTM A992 GRADE 50 $F_y = 50,000$ PSI

....CHANNELS, ANGLES, AND S SHAPES, ASTM A36 $F_y = 36,000$ PSI

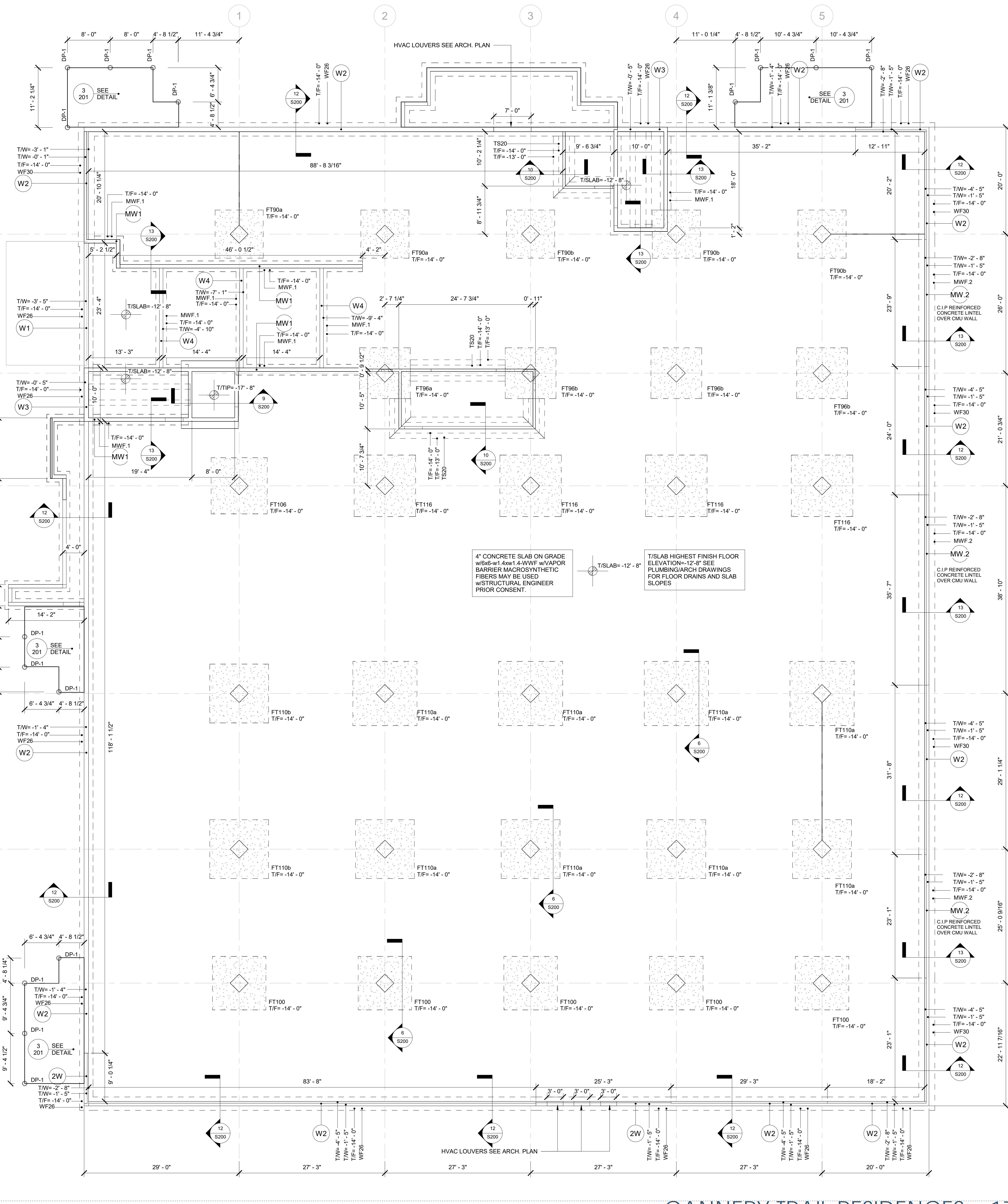
....PLATE AND BAR, ASTM A36 $F_y = 36,000$ PSI

....TUBE SHAPES, ASTM A500 GRADE B $F_y = 46,000$ PSI

....PIPE ASTM A53, TYPE E or S, GRADE B $F_y = 46,000$ PSI

....ALL OTHER ROLLED SHAPES, ASTM A36 $F_y = 36,000$ PSI

STRUCTURAL BOLTS:
....HIGH STRENGTH BOLTS, NUTS, & WASHERS ASTM A325



MASONRY WALL REINFORCING SCHEDULE			
MARK	WALL THICKNESS	VERTICAL REINFORCEMENT & SPACING	REINFORCEMENT LOCATION IN CELL
MW.1	8"	#5 AT 48" o/c MAX	CENTER
MW.2	8"	#6 AT 16" o/c MAX	INSIDE FACE

MASONRY WALL REINFORCING SCHEDULE NOTES:
1. GROUT CONCRETE MASONRY UNITS SOLID FULL HEIGHT OF BUILDING AT REINFORCEMENT LOCATIONS.
2. USE PRECAST MASONRY UNITS FOR ALL MASONRY OPENINGS.
3. PROVIDE PRECAST MASONRY UNIT WALL REINFORCING ABOVE AND BELOW ALL MASONRY OPENINGS: EXTEND LARGE OF 24" OR 40 BAR DIA.
4. REFER TO STRUCTURAL NOTES SHEET FOR LAPS IN STEEL REINFORCEMENT.
5. PROVIDE STANDARD (W1) JOINT REINFORCING AT 10' ON CENTER VERTICALLY (8' ON CENTER IN PARAPET WALLS) UNO.
6. MASONRY FIREWALL CONSTRUCTION ASSUMES MASONRY BLOCKS COMPRISED OF LIMESTONE.

MASONRY WALL FOOTING SCHEDULE			
MARK	WIDTH	THICKNESS	LONGITUDINAL
MWF.1	2'-0"	1'-0"	(2) #5
MWF.2	3'-0"	1'-2"	(3) #5

MASONRY WALL FOOTING SCHEDULE:
1. REFER TO STRUCTURAL NOTES SHEET FOR LAPS IN STEEL REINFORCEMENT.
2. REFER TO FOUNDATION PLAN FOR TOP OF FOOTING ELEVATIONS.
3. ALL FOOTING EXCAVATIONS SHALL BE INSPECTED AND APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACING CONCRETE

THICKENED SLAB SCHEDULE			
MARK	DIMENSIONS	REINFORCEMENT	REMARKS
TS20	2'-0" (X)	1'-0"	(2) #5

THICKENED SLAB SCHEDULE NOTES:
1. REFER TO STRUCTURAL NOTES SHEET FOR LAPS IN STEEL REINFORCEMENT.
2. REFER TO FOUNDATION PLAN FOR TOP OF SLAB ELEVATIONS.
3. ALL SLAB EXCAVATIONS SHALL BE INSPECTED AND APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACING CONCRETE

WALL FOOTING SCHEDULE			
MARK	DIMENSIONS	REINFORCEMENT	
WF26	2'-6" X 1'-2"	(3) #5 LONG	#5's AT 12" BOTTOM FACE
WF26	3'-0" X 1'-2"	(3) #5	#5's AT 12" BOTTOM FACE

COLUMN FOOTING SCHEDULE NOTES:
1. REFER TO STRUCTURAL NOTES SHEET FOR MINIMUM COVER REQUIREMENTS.
2. REFER TO FOUNDATION PLAN FOR TOP OF FOOTING ELEVATIONS.
3. ALL FOOTING EXCAVATIONS SHALL BE INSPECTED AND APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACING CONCRETE
4. ALL LAPS IN STEEL REINFORCING SHALL BE CLASS "B" LAP SPLICES UNLESS NOTED OTHERWISE.

COLUMN FOOTING SCHEDULE				
MARK	W	L	BOTTOM REINFORCING	
	D	LONG	COLUMNS	
FT90a	9'-0"	9'-0"	1'-8" (10)-#7	(10)-#7 A1 A2
FT90b	9'-0"	9'-0"	1'-8" (10)-#8	(10)-#8 A3 A4 A5
FT96a	9'-6"	9'-6"	1'-8" (10)-#7	(10)-#7 B2
FT96b	9'-6"	9'-6"	1'-8" (10)-#8	(10)-#8 B3 B4 B5
FT100	10'-0"	10'-0"	2'-1" (11)-#8	(11)-#8 F1 F2 F3 F4 F5
FT106	10'-6"	10'-6"	2'-3" (11)-#8	(11)-#8 C1
FT110a	11"-0"	11"-0"	2'-1" (12)-#8	(12)-#8 G2 G3 G4 G5
FT110b	11"-0"	11"-0"	2'-3" (12)-#8	(12)-#8 D1 G1
FT110c	11"-6"	11"-6"	2'-1" (12)-#8	(12)-#8 C2 C3 C4 C5
FT110d	12'-0"	12'-0"	2'-3" (13)-#8	(13)-#8 D2 D3 D4 D5

COLUMN FOOTING SCHEDULE:
1. REFER TO STRUCTURAL NOTES SHEET FOR LAPS IN STEEL REINFORCEMENT.
2. REFER TO FOUNDATION PLAN FOR TOP OF FOOTING ELEVATIONS.
3. ALL FOOTING EXCAVATIONS SHALL BE INSPECTED AND APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACING CONCRETE

CONCRETE WALL REINFORCING SCHEDULE			
MARK	TYPE	THICKNESS	REINFORCEMENT
W1	CONCRETE	10"	5#'s AT 18" o.c. 5#'s AT 12" o.c. inside face
W2	CONCRETE	10"	5#'s AT 12" o.c. 5#'s AT 12" o.c. inside face
W3	CONCRETE	10"	6#'s AT 12" o.c. 6#'s AT 12" o.c. inside face
W4	CONCRETE	8"	4#'s AT 12" o.c. 3#'s AT 12" o.c. centered in wall thickness

CONCRETE WALL REINFORCING SCHEDULE NOTES:
1. REFER TO STRUCTURAL NOTES SHEET FOR LAPS IN STEEL REINFORCEMENT.
2. COORDINATE AND VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS AND EXIST. CONDITIONS

Date	Description
07.08.2019	Footing and Foundation Plan Permit
08.15.2019	75% CD Set

FOUNDATION PLAN
CANNERY TRAIL RESIDENCES - 1750 N OXFORD AVE. - EAU CLAIRE, WI

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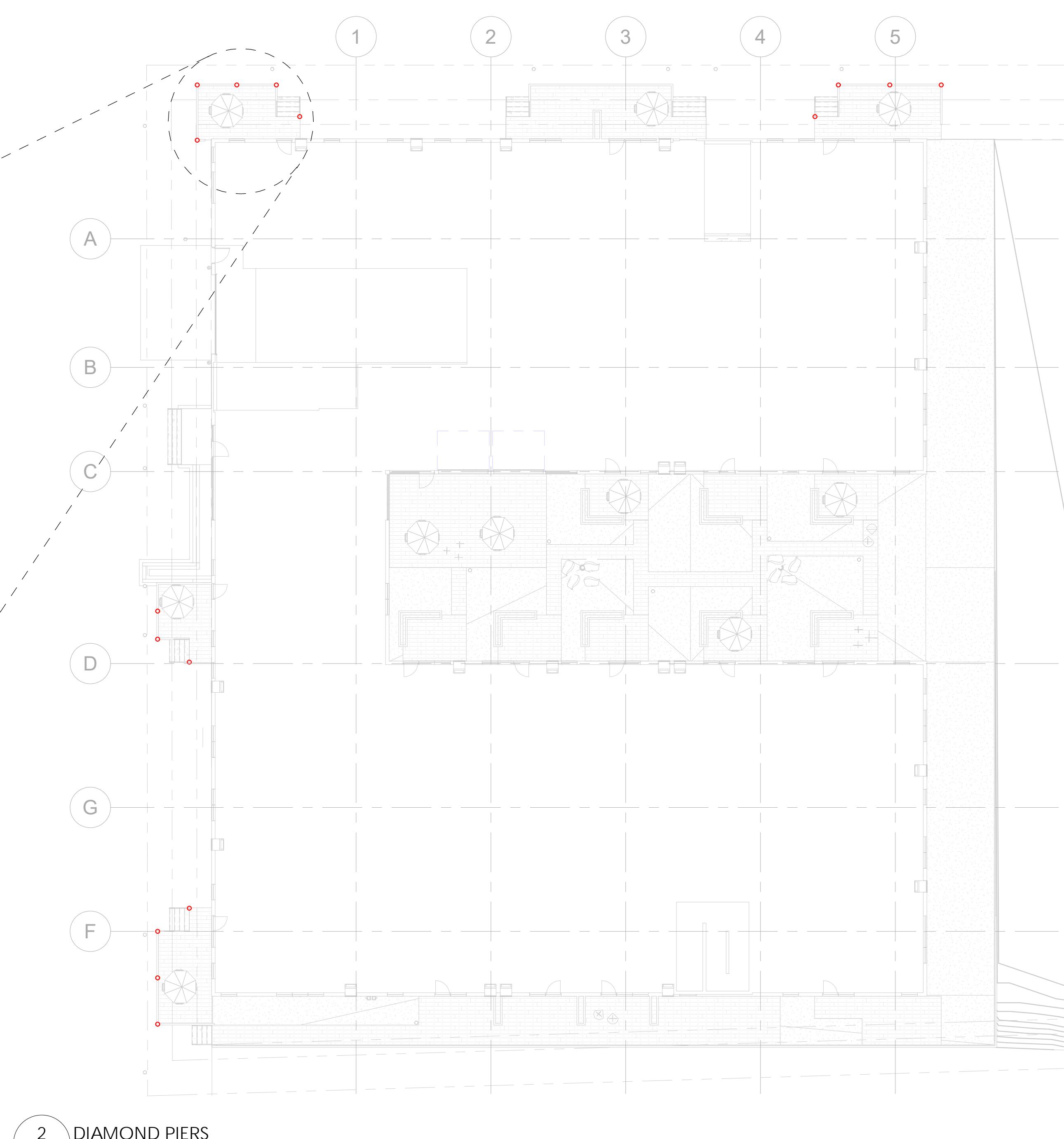
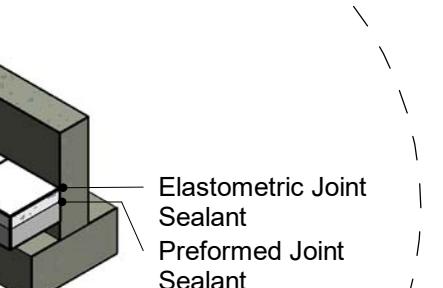
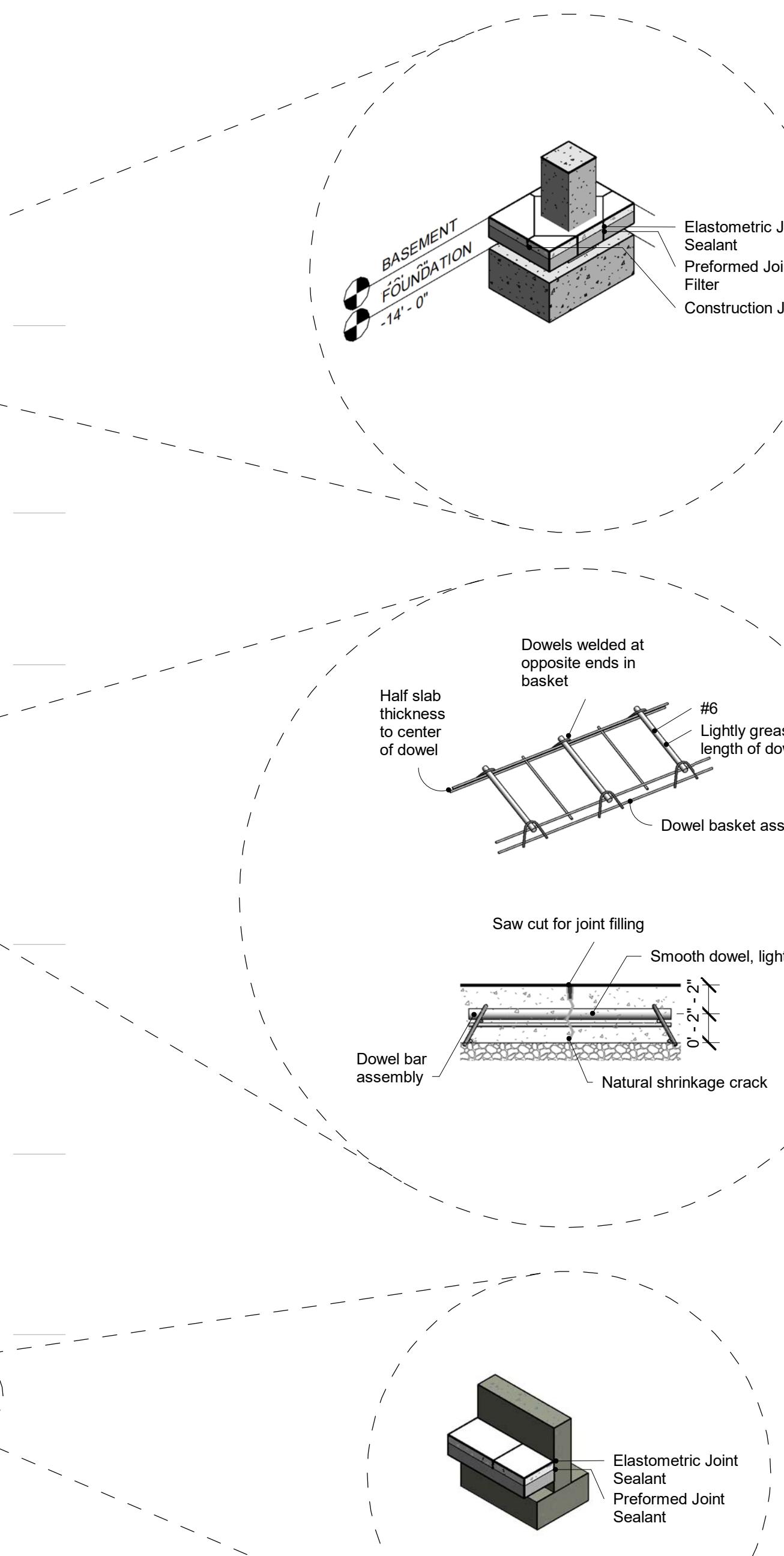
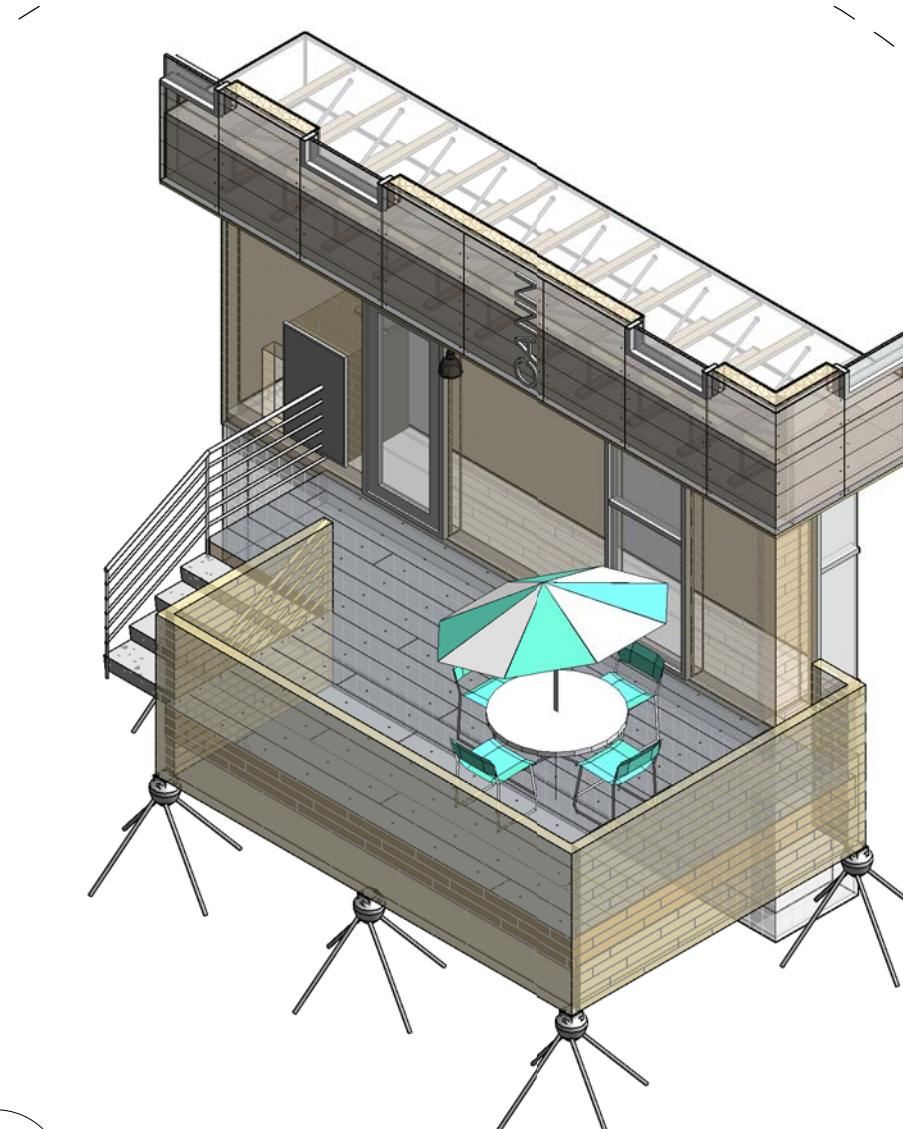
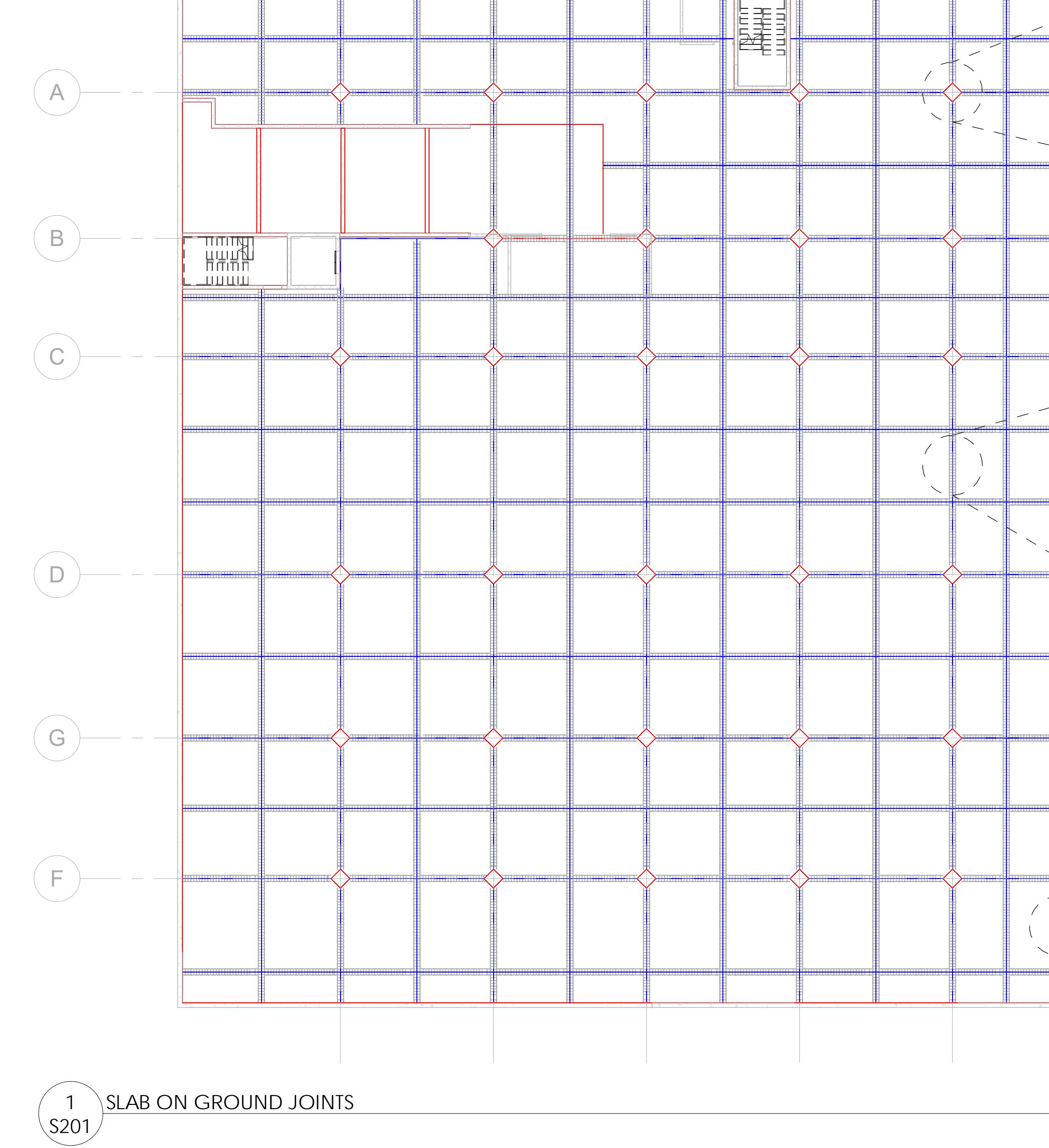
Hovland's HVAC
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10954 E. Melby Street | Chippewa Falls, WI 54729
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Plumbing Engineer: TAILED ENGINEERING
1600 Aspen Commons | Ste 210 | Middleton, WI 53562
bnovak@tailoredeng.com | 608.209.7500

JOINT TYPES:

- █ CONTRACTION OR CONSTRUCTION JOINT
- █ ISOLATION JOINT



CANNERY TRAIL RESIDENCES - 1750 N OXFORD AVE. - EAU CLAIRE, WI

STRUCTURAL DETAILS rev01

S201

Date	Description
07.08.2019	Footing and Foundation Plan Permit

14/08/2019 16:49:47

CAPITAL GROUP
Developer: W Capital Group
tyler@wcapitalgroup.com | 608.345.9848

OpeningDesign
Architect: OpeningDesign
316 W Washington Ave | Suite 675
Madison, WI 53703
ryan@openingdesign.com | 773.425.6456

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General Contractor: ROYAL CONSTRUCTION
3653 Greenway Street | Eau Claire, WI 54701
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Cedar Corporation
Civil Engineer: CEDAR CORPORATION
604 Wilson Avenue | Menomonie, WI 54751
kevin.ulm@cedarcorp.com | 715-235-9081

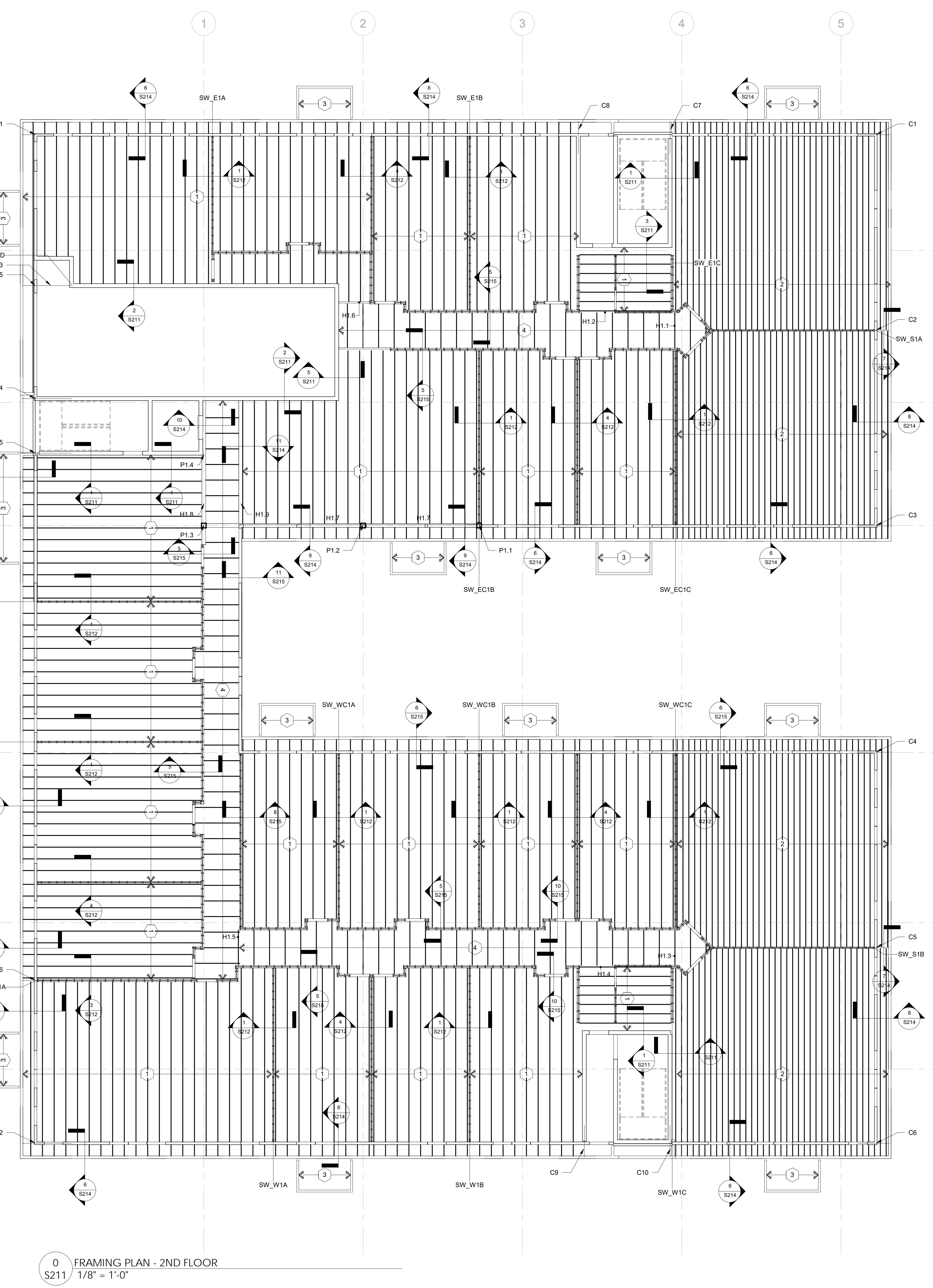
Xc Engineering
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Innovation Engineering Services Incorporated
Structural Engineer: Structural Engineering
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53562
bnovak@tailoredeng.com | 608.209.7500



0 FRAMING PLAN - 2ND FLOOR
S211 1/8" = 1'-0"

FRAMING PLAN - 2ND FLOOR CANNERY TRAIL RESIDENCES - 1750 N OXFORD AVE. - EAU CLAIRE, WI

5 S211 FLOOR FRAMING/HOLLOWCORE. SLAB

4 S211 CORRIDOR JOISTS BEARING ON CMU WA

 SÍMPLON TRAINING PARÁMETROS CLIMÁTICOS

The diagram illustrates the connection of a bottom plate to a ladder truss. A vertical line labeled "ATTACH BOTTOM PLATE TO LADDER TRUSS w/ 16d AT 12" o/c TYPICAL. AT SHEAR WALLS, REFER TO SHEAR WALL SCHEDULE FOR SPECIFICS." connects to a horizontal plate at the base of a ladder truss. Another vertical line labeled "ATTACH FLOOR SHEATHING TO LADDER TRUSS w/ 10d AT 6" o/c" connects to a horizontal plate at the base of the ladder truss. The ladder truss is shown with diagonal bracing. To the right, a section of floor joists is shown with a layer of "3/4" CDX PLYWOOD" and a layer of "GYPSUM CONCRETE TOPPING". A circular symbol with a dot and a cross indicates "T.O. SHEATHING ELEV. SEE PLANS".

WOOD FLOOR PLAN KEYED NOTES:

- ① 22" DEEP PARALLEL CHORD FLOOR TRUSSES AT 24" o/c.
- ② 22" DEEP PARALLEL CHORD FLOOR TRUSSES AT 12" o/c.
- ③ PREFABRICATED SIDE HUNG METAL BALCONY, BY OTHERS
- ④ 3¹/₂"x6" JOISTS AT 32" o/c.

"SEE HEADER/POST SCHEDULE IN S216 SHEET"

"SEE SHEAR WALL SCHEDULE IN S216 SHEET"

Developer: W Capital Group
tyler@wcapitalgroupre.com | 608.345.9848

The logo for Royal Construction. It features a gold-colored crown icon above the word "ROYAL" in a large, bold, red sans-serif font. A horizontal red line runs through the middle of the "O"s in "ROYAL". Below "ROYAL" is the word "CONSTRUCTION" in a slightly smaller, bold, red sans-serif font.

The logo for Cedar Corporation features the word "cedar" in a bold, lowercase, sans-serif font. The letter "c" is stylized with a large circular cutout on its left side, and the "e" has a similar cutout on its top-left. Below "cedar" is the word "corporation" in a smaller, lowercase, sans-serif font.

Civil Engineer: CEDAR CORPORATION

604 Wilson Avenue | Menomonie, WI 54751

kevin.ouim@cedarcorp.com | 715-235-9081




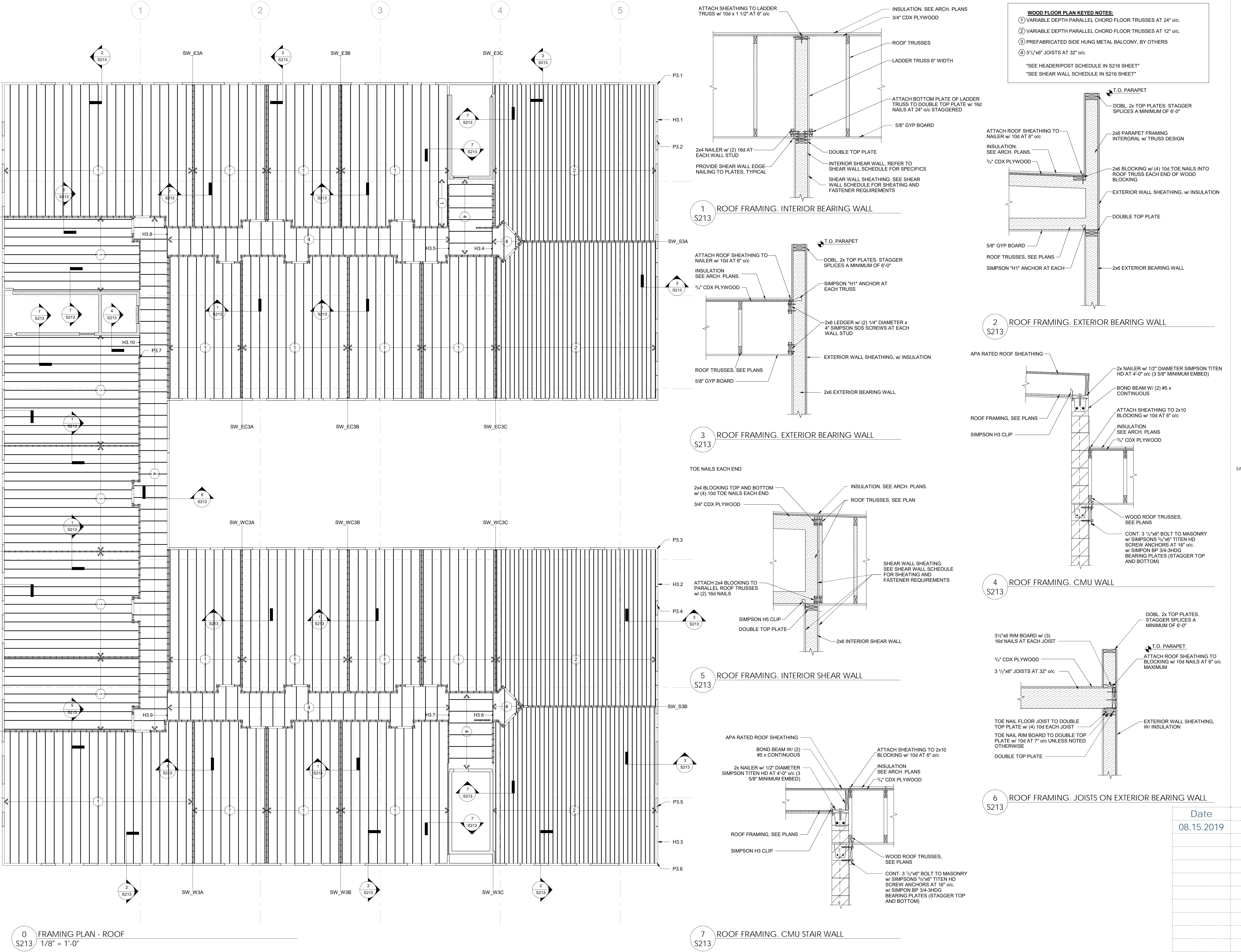
The logo for Ennovation Engineering Services Incorporated features the word "Ennovation" in a large, bold, blue sans-serif font, with "Engineering Services Incorporated" in a smaller, gray sans-serif font below it. The logo is set against a background of three curved bands: a dark blue band at the top, a white band in the middle containing the text, and a light blue band at the bottom.

Electrical Engineer: PRISM DESIGN ELECTRICAL
CONSULTANS INC
E8403 State Rd 85 | Mondovi, WI 54755
halgren@prismdesign-electrical.com | 715.797.0600

The logo for Tailored Engineering features a stylized blue 'T' and 'E' intertwined within a circular graphic, followed by the company name 'TAILORED ENGINEERING' in a bold, blue, sans-serif font.

Date	Description
08.15.2019	75% CD Set





Date	Description
08.15.2019	75% CD Set

Date	Description
08.15.2019	75% CD Set

WOOD SHEAR WALL SCHEDULE										
Shear wall	Sheathing material	Panel thickness	Bracing	Minimum fastener penetration in Nailing type and size	Fastener edge distance from panel edge	Nominal fastener spacing	Nominal fastener shear capacity V _w	Hold-down anchor capacity	Number of hold-down diameter, 4 inch embedment depth	Bottom plate attachment (floor to floor)
ID	(in)	(in)	(in)	(in)	(in)	(in)	(in)	(in)	(in)	(in)
SW_N3A	Wood structural panels - sheathing	3/8	YES	1-3/8	8d	4	840	2	-	
										wood screws 20 (#=0.32 in) at 25 in. o/c; 30 fasteners in 2 rows.
SW_N3B	Wood structural panels - sheathing	3/8	NO	1-3/8	8d	6	560	-	-	16d (#=0.268 in) nails at 21 in. o/c; 35 fasteners in 1 row.
SW_N3C	Wood structural panels - sheathing	3/8	NO	1-3/8	8d	6	560	-	-	16d (#=0.268 in) nails at 21 in. o/c; 35 fasteners in 1 row.
SW_N3D	Wood structural panels - sheathing	3/8	YES	1-3/8	8d	4	840	2	-	wood screw 20 (#=0.32 in) at 25 in. o/c; 30 fasteners in 2 rows.
SW_N2A	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	4	1430	4	-	wood screw 20 (#=0.32 in) at 14 in. o/c; 52 fasteners in 2 rows.
SW_N2B	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	6	950	-	-	16d (#=0.268 in) nails at 13 in. o/c; 28 fasteners in 1 row.
SW_N2C	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	6	950	1	-	16d (#=0.268 in) nails at 12 in. o/c; 59 fasteners in 2 rows.
SW_N2D	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	4	1430	4	-	wood screw 20 (#=0.32 in) at 14 in. o/c; 52 fasteners in 2 rows.
SW_N1A	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	3	1860	7	10	SDWS log screw (#=0.197 in) at 21 in. o/c; 58 fasteners in 2 rows.
SW_N1B	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	6	950	-	11	16d (#=0.268 in) nails at 13 in. o/c; 39 fasteners in 2 rows.
SW_N1C	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	6	950	3	11	wood screw 20 (#=0.32 in) at 19 in. o/c; 40 fasteners in 2 rows.
SW_N1D	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	3	1860	7	10	SDWS log screw (#=0.197 in) at 12 in. o/c; 60 fasteners in 2 rows.
SW_S3A	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	6	950	2	-	wood screw 20 (#=0.32 in) at 21 in. o/c; 36 fasteners in 2 rows.
SW_S3B	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	6	950	2	-	wood screw 20 (#=0.32 in) at 21 in. o/c; 36 fasteners in 2 rows.
SW_S2A	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	3	1860	6	-	SDWS log screw (#=0.197 in) at 21 in. o/c; 54 fasteners in 2 rows.
SW_S2B	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	3	1860	6	-	SDWS log screw (#=0.197 in) at 13 in. o/c; 54 fasteners in 2 rows.
SW_S1A	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	2	2435	11	10	SDWS log screw (#=0.197 in) at 13 in. o/c; 76 fasteners in 2 rows.
SW_S1B	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	2	2435	11	10	SDWS log screw (#=0.197 in) at 13 in. o/c; 76 fasteners in 2 rows.
SW_E3A	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	4	1430	3	-	wood screw 20 (#=0.32 in) at 18 in. o/c; 40 fasteners in 2 rows.
SW_E3B	Wood structural panels - sheathing	3/8	NO	1-3/8	8d	6	560	-	-	16d (#=0.268 in) nails at 12 in. o/c; 30 fasteners in 2 rows.
SW_E3C	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	4	1430	6	-	SDWS log screw (#=0.197 in) at 15 in. o/c; 32 fasteners in 2 rows.
SW_E2A	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	3	1860	7	-	SDWS log screw (#=0.197 in) at 11 in. o/c; 64 fasteners in 2 rows.
SW_E2B	Wood structural panels - sheathing	3/8	NO	1-3/8	8d	6	560	1	-	16d (#=0.268 in) nails at 14 in. o/c; 51 fasteners in 2 rows.
SW_E2C	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	2	2435	11	-	SDWS log screw (#=0.197 in) at 9 in. o/c; 54 fasteners in 2 rows.
SW_E1A	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	2	2435	13	7	16d (#=0.268 in) nails at 10 in. o/c; 64 fasteners in 2 rows.
SW_E1B	Wood structural panels - sheathing	3/8	NO	1-3/8	8d	6	560	-	11	16d (#=0.268 in) nails at 32 in. o/c; 12 fasteners in 1 row.
SW_E1C	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	2	2435	9	11	SDWS log screw (#=0.197 in) at 9 in. o/c; 72 fasteners in 2 rows.
SW_W3A	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	4	1430	3	-	wood screw 20 (#=0.32 in) at 16 in. o/c; 48 fasteners in 2 rows.
SW_W3B	Wood structural panels - sheathing	3/8	NO	1-3/8	8d	6	560	-	-	16d (#=0.268 in) nails at 12 in. o/c; 30 fasteners in 2 rows.
SW_W3C	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	4	1430	6	-	SDWS log screw (#=0.197 in) at 15 in. o/c; 32 fasteners in 2 rows.
SW_W2A	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	3	1860	7	-	SDWS log screw (#=0.197 in) at 11 in. o/c; 64 fasteners in 2 rows.
SW_W2B	Wood structural panels - sheathing	3/8	NO	1-3/8	8d	6	560	1	-	16d (#=0.268 in) nails at 14 in. o/c; 51 fasteners in 2 rows.
SW_W2C	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	2	2435	11	-	SDWS log screw (#=0.197 in) at 9 in. o/c; 54 fasteners in 2 rows.
SW_W1A	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	2	2435	13	9	16d (#=0.268 in) nails at 10 in. o/c; 64 fasteners in 2 rows.
SW_W1B	Wood structural panels - sheathing	3/8	NO	1-3/8	8d	6	560	-	11	SDWS log screw (#=0.197 in) at 9 in. o/c; 42 fasteners in 1 row.
SW_W1C	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	2	2435	9	11	SDWS log screw (#=0.197 in) at 9 in. o/c; 72 fasteners in 2 rows.
SW_EC2A	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	2	2435	9	11	SDWS log screw (#=0.197 in) at 16 in. o/c; 42 fasteners in 2 rows.
SW_EC2B	Wood structural panels - sheathing	3/8	NO	1-3/8	8d	6	560	-	-	16d (#=0.268 in) nails at 60 in. o/c; 7 fasteners in 1 row.
SW_EC2C	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	3	1860	6	-	wood screw 20 (#=0.32 in) at 19 in. o/c; 40 fasteners in 2 rows.
SW_EC2D	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	3	1860	2	-	wood screw 20 (#=0.32 in) at 21 in. o/c; 36 fasteners in 2 rows.
SW_EC2E	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	3	1860	2	-	16d (#=0.268 in) nails at 32 in. o/c; 12 fasteners in 1 row.
SW_EC2F	Wood structural panels - sheathing	3/8	NO	1-3/8	8d	6	560	-	-	SDWS log screw (#=0.197 in) at 9 in. o/c; 54 fasteners in 2 rows.
SW_EC2G	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	3	1860	6	-	16d (#=0.268 in) nails at 17 in. o/c; 58 fasteners in 2 rows.
SW_EC1A	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	2	2435	11	6	SDWS log screw (#=0.197 in) at 9 in. o/c; 42 fasteners in 2 rows.
SW_EC1B	Wood structural panels - sheathing	3/8	NO	1-3/8	8d	6	560	-	11	SDWS log screw (#=0.197 in) at 17 fasteners in 1 row.
SW_EC1C	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	2	2435	11	11	SDWS log screw (#=0.197 in) at 9 in. o/c; 42 fasteners in 2 rows.
SW_WC3A	Wood structural panels - sheathing	19/32	YES	1-1/2	10d	6	950			