

COST NOTE:
 ALLOW FOR (11'-0" x 11'-0" x 2'-0" DEEP) TYPICAL COLUMN FOOTINGS. INTERIOR FOOTINGS WILL BE (1'-0" MINIMUM) BELOW TOP-OF-SLAB ELEVATION, AND EXTERIOR FOOTINGS WILL BEAR (4'-0" MINIMUM) BELOW TOP-OF-ADJACENT EXTERIOR GRADE.
 ALLOW FOR (14" - TO - 18" THICK) TYPICAL CONTINUOUS EXTERIOR FOUNDATION WALLS AND (3'-0" WIDE x 2'-0" DEEP) TYPICAL CONTINUOUS EXTERIOR FOUNDATION WALL FOOTINGS. EXTERIOR WALL FOOTINGS WILL BEAR (4'-0" MINIMUM) BELOW TOP-OF-ADJACENT EXTERIOR GRADE.
 ALLOW FOR (8" - TO - 12" THICK) CONTINUOUS CONCRETE FOUNDATION WALLS AND (3'-0" WIDE x 2'-0" DEEP) CONTINUOUS FOOTINGS BELOW MASONRY WALLS. INTERIOR SHEAR WALL FOOTINGS WILL BEAR (1'-0" MINIMUM) BELOW TOP-OF-SLAB ELEVATION.
 ALLOW FOR VERTICAL AND HORIZONTAL REINFORCING WITHIN GROUTED CELLS OF ALL MASONRY WALLS SPACED AT (4'-0" ON CENTER MAX.).

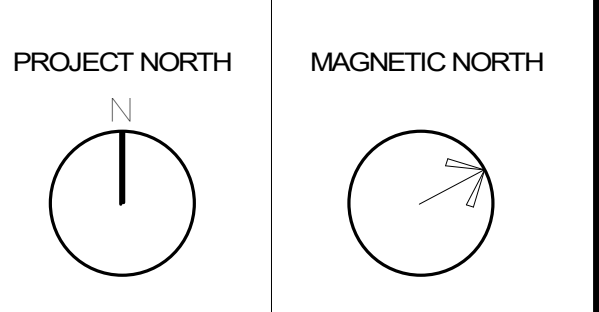
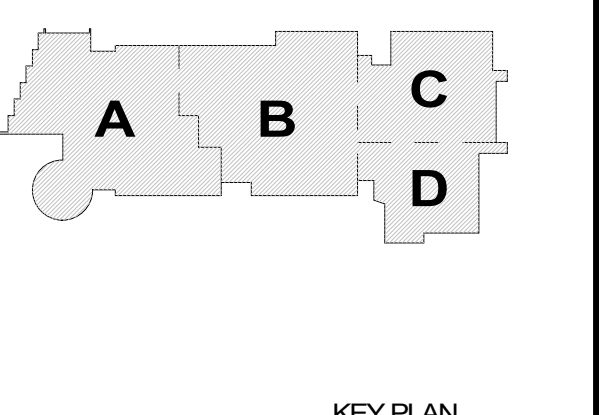
COST NOTE:
 ALLOW FOR (4" THICK) CONCRETE SLAB-ON-GRADE REINFORCED WITH WELDED WIRE REINFORCING OVER (2" THICK) RIGID INSULATION ON (12") OF COMPACTED SAND-GRAVEL STRUCTURAL FILL.
 ALLOW FOR (6" THICK) CONCRETE SLAB-ON-GRADE REINFORCED WITH WELDED WIRE REINFORCING OVER (2" THICK) RIGID INSULATION ON (12") OF COMPACTED SAND-GRAVEL STRUCTURAL FILL IN ALL SHOP AREAS.
 ALLOW FOR (10" THICK) CONTINUOUS THICKENED SLAB-ON-GRADE BELOW ALL INTERIOR NON-STRUCTURAL MASONRY WALLS.

FOOTING SCHEDULE		
MARK	SIZE	REINFORCEMENT
F8	8'-0" x 8'-0" x 2'-0"	9 - #8 BOT EA WAY
F9	9'-0" x 9'-0" x 2'-0"	10 - #8 BOT EA WAY
F10	10'-0" x 10'-0" x 2'-0"	11 - #7 BOT EA WAY
F11	11'-0" x 11'-0" x 2'-0"	12 - #7 BOT EA WAY
F12	12'-0" x 12'-0" x 2'-0"	13 - #8 BOT EA WAY
F13	13'-0" x 13'-0" x 2'-0"	14 - #8 BOT EA WAY
FA	SEE PLAN x 2'-0"	#8 @ 12" OC TOP AND BOT EA WAY

T INDICATES TOP REINFORCING TO MATCH BOTTOM REINFORCING

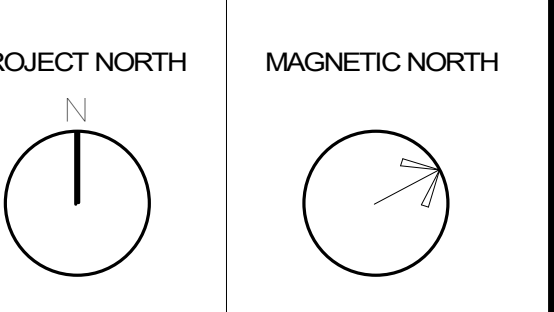
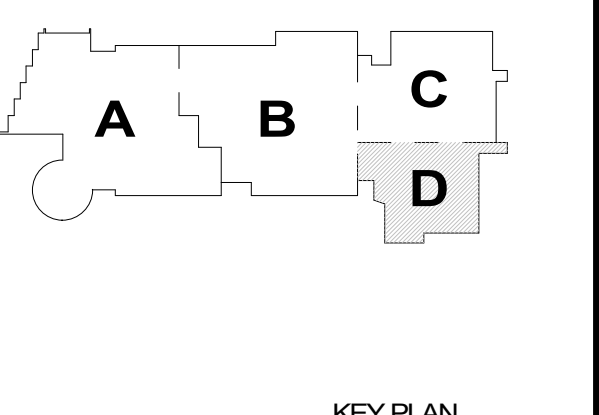
© COPYRIGHT 2021 DRUMHERY ROSANE ANDERSON, INC.

MSBA SCHEMATIC DESIGN SUBMITTAL
 JUNE 17, 2021

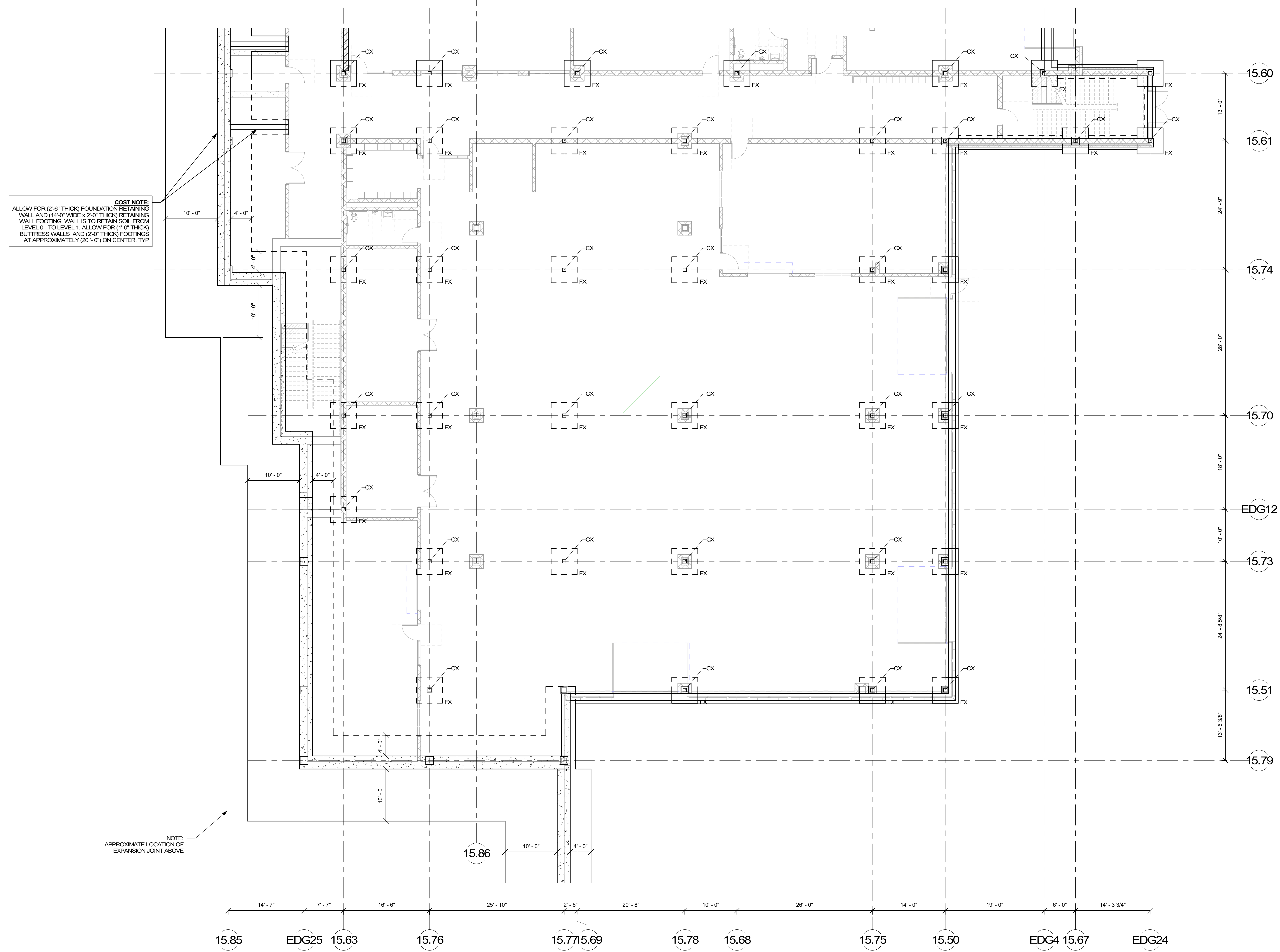


LOWER LEVEL FOUNDATION PLAN - AREA C

© COPYRIGHT 2021 DRUMREY ROSANE ANDERSON, INC.



**LOWER LEVEL
 FOUNDATION
 PLAN - AREA D**



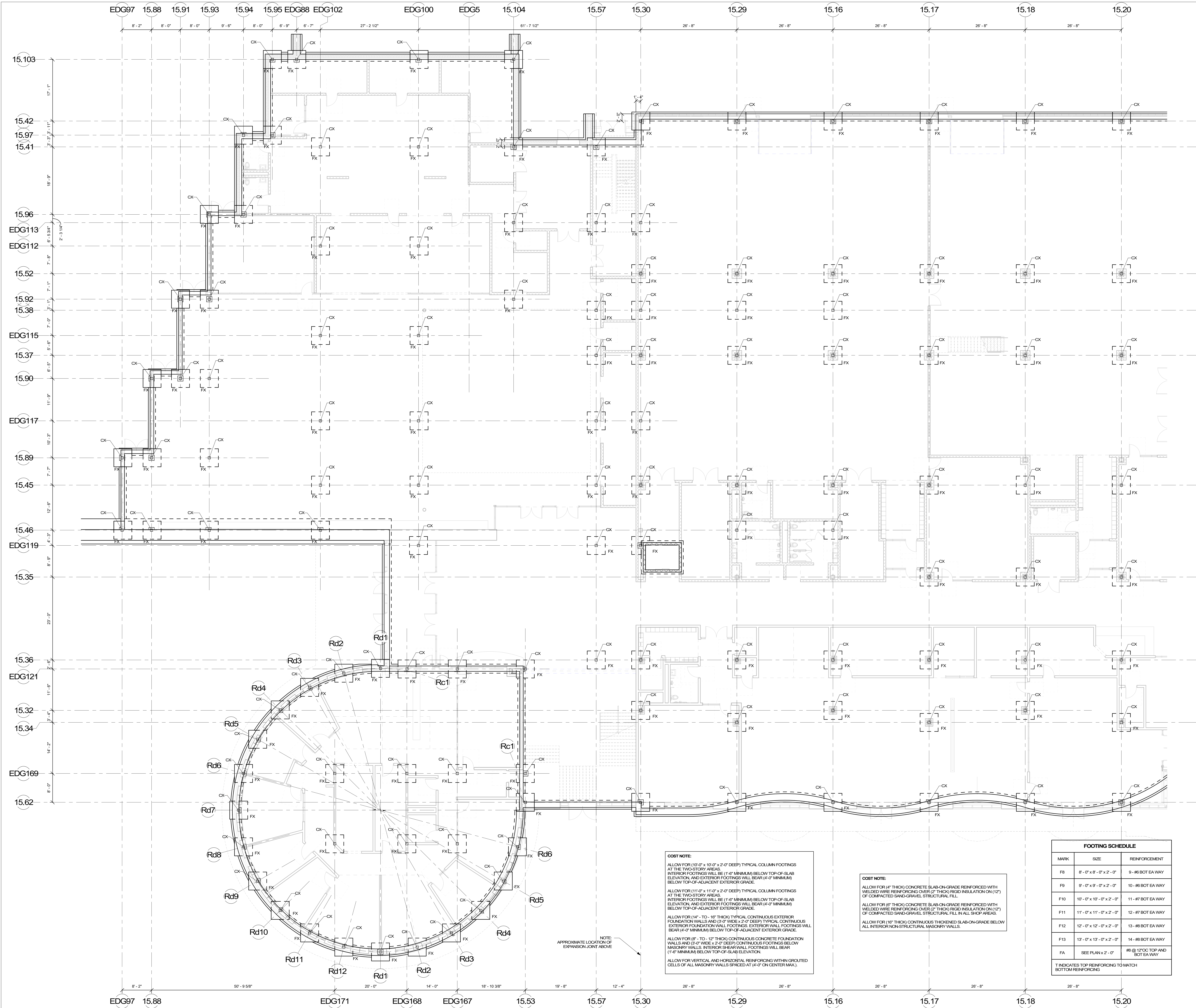
COST NOTE:
 ALLOW FOR (2'-6" THICK) FOUNDATION RETAINING WALL AND (14'-0" WIDE x 2'-0" THICK) RETAINING WALL FOOTING. WALL IS TO RETAIN SOIL FROM LEVEL 0 - TO LEVEL 1. ALLOW FOR (1'-0" THICK) BUTTRESS WALLS AND (2'-0" THICK) FOOTINGS AT APPROXIMATELY (20'-0") ON CENTER. TYP

NOTE:
 APPROXIMATE LOCATION OF EXPANSION JOINT ABOVE

COST NOTE:
 ALLOW FOR (11'-0" x 11'-0" x 2'-0" DEEP) TYPICAL COLUMN FOOTINGS. INTERIOR FOOTINGS WILL BE (1'-0" MINIMUM) BELOW TOP-OF-SLAB ELEVATION, AND EXTERIOR FOOTINGS WILL BEAR (4'-0" MINIMUM) BELOW TOP-OF-ADJACENT EXTERIOR GRADE.
 ALLOW FOR (14" - TO - 16" THICK) TYPICAL CONTINUOUS EXTERIOR FOUNDATION WALLS AND (3'-0" WIDE x 2'-0" DEEP) TYPICAL CONTINUOUS EXTERIOR FOUNDATION WALL FOOTINGS. EXTERIOR WALL FOOTINGS WILL BEAR (4'-0" MINIMUM) BELOW TOP-OF-ADJACENT EXTERIOR GRADE.
 ALLOW FOR (8" - TO - 12" THICK) CONTINUOUS CONCRETE FOUNDATION WALLS AND (2'-0" WIDE x 2'-0" DEEP) CONTINUOUS FOOTINGS BELOW MASONRY WALLS. INTERIOR SHEAR WALL FOOTINGS WILL BEAR (1'-0" MINIMUM) BELOW TOP-OF-SLAB ELEVATION.
 ALLOW FOR VERTICAL AND HORIZONTAL REINFORCING WITHIN GROUTED CELLS OF ALL MASONRY WALLS SPACED AT (4'-0" ON CENTER MAX.).

COST NOTE:
 ALLOW FOR (4" THICK) CONCRETE SLAB-ON-GRADE REINFORCED WITH WELDED WIRE REINFORCING OVER (2" THICK) RIGID INSULATION ON (12") OF COMPACTED SAND-GRAVEL STRUCTURAL FILL.
 ALLOW FOR (6" THICK) CONCRETE SLAB-ON-GRADE REINFORCED WITH WELDED WIRE REINFORCING OVER (2" THICK) RIGID INSULATION ON (12") OF COMPACTED SAND-GRAVEL STRUCTURAL FILL IN ALL SHOP AREAS.
 ALLOW FOR (16" THICK) CONTINUOUS THICKENED SLAB-ON-GRADE BELOW ALL INTERIOR NON-STRUCTURAL MASONRY WALLS.

FOOTING SCHEDULE		
MARK	SIZE	REINFORCEMENT
F8	8' - 0" x 8' - 0" x 2' - 0"	9 - #6 BOT EA WAY
F9	9' - 0" x 9' - 0" x 2' - 0"	10 - #6 BOT EA WAY
F10	10' - 0" x 10' - 0" x 2' - 0"	11 - #7 BOT EA WAY
F11	11' - 0" x 11' - 0" x 2' - 0"	12 - #7 BOT EA WAY
F12	12' - 0" x 12' - 0" x 2' - 0"	13 - #8 BOT EA WAY
F13	13' - 0" x 13' - 0" x 2' - 0"	14 - #8 BOT EA WAY
FA	SEE PLAN x 2' - 0"	#8 @ 12" OC TOP AND BOT EA WAY
T INDICATES TOP REINFORCING TO MATCH BOTTOM REINFORCING		



COST NOTE:
 ALLOW FOR (10'-0" x 10'-0" x 2'-0" DEEP) TYPICAL COLUMN FOOTINGS AT THE TWO-STORY AREAS. INTERIOR FOOTINGS WILL BE (1'-0" MINIMUM) BELOW TOP-OF-SLAB ELEVATION AND EXTERIOR FOOTINGS WILL BEAR (4'-0" MINIMUM) BELOW TOP-OF-ADJACENT EXTERIOR GRADE.
 ALLOW FOR (11'-0" x 11'-0" x 2'-0" DEEP) TYPICAL COLUMN FOOTINGS AT THE TWO-STORY AREAS. INTERIOR FOOTINGS WILL BE (1'-0" MINIMUM) BELOW TOP-OF-SLAB ELEVATION AND EXTERIOR FOOTINGS WILL BEAR (4'-0" MINIMUM) BELOW TOP-OF-ADJACENT EXTERIOR GRADE.
 ALLOW FOR (14" - TO - 16" THICK) TYPICAL CONTINUOUS EXTERIOR FOUNDATION WALLS AND (3'-0" WIDE x 2'-0" DEEP) TYPICAL CONTINUOUS EXTERIOR FOUNDATION WALL FOOTINGS. EXTERIOR WALL FOOTINGS WILL BEAR (4'-0" MINIMUM) BELOW TOP-OF-ADJACENT EXTERIOR GRADE.
 ALLOW FOR (8" - TO - 12" THICK) CONTINUOUS CONCRETE FOUNDATION WALLS AND (5'-0" WIDE x 2'-0" DEEP) CONTINUOUS FOOTINGS BELOW MASONRY WALLS. INTERIOR SHEAR WALL FOOTINGS WILL BEAR (1'-0" MINIMUM) BELOW TOP-OF-SLAB ELEVATION.
 ALLOW FOR VERTICAL AND HORIZONTAL REINFORCING WITH GROUTED CELLS OF ALL MASONRY WALLS SPACED AT (4'-0" ON CENTER MAX).

COST NOTE:
 ALLOW FOR (4" THICK) CONCRETE SLAB-ON-GRADE REINFORCED WITH WELDED WIRE REINFORCING OVER (2" THICK) RIGID INSULATION ON (12") OF COMPACTED SAND-GRAVEL STRUCTURAL FILL.
 ALLOW FOR (6" THICK) CONCRETE SLAB-ON-GRADE REINFORCED WITH WELDED WIRE REINFORCING OVER (2" THICK) RIGID INSULATION ON (12") OF COMPACTED SAND-GRAVEL STRUCTURAL FILL IN ALL SHOP AREAS.
 ALLOW FOR (16" THICK) CONTINUOUS THICKENED SLAB-ON-GRADE BELOW ALL INTERIOR NON-STRUCTURAL MASONRY WALLS.

NOTE:
 APPROXIMATE LOCATION OF EXPANSION JOINT ABOVE

FOOTING SCHEDULE		
MARK	SIZE	REINFORCEMENT
FB	8'-0" x 8'-0" x 2'-0"	9 - #6 BOT EA WAY
FB	9'-0" x 9'-0" x 2'-0"	10 - #6 BOT EA WAY
F10	10'-0" x 10'-0" x 2'-0"	11 - #7 BOT EA WAY
F11	11'-0" x 11'-0" x 2'-0"	12 - #7 BOT EA WAY
F12	12'-0" x 12'-0" x 2'-0"	13 - #8 BOT EA WAY
F13	13'-0" x 13'-0" x 2'-0"	14 - #8 BOT EA WAY
FA	SEE PLAN x 2'-0"	#8 @ 12" OC TOP AND BOT EA WAY

* INDICATES TOP REINFORCING TO MATCH BOTTOM REINFORCING

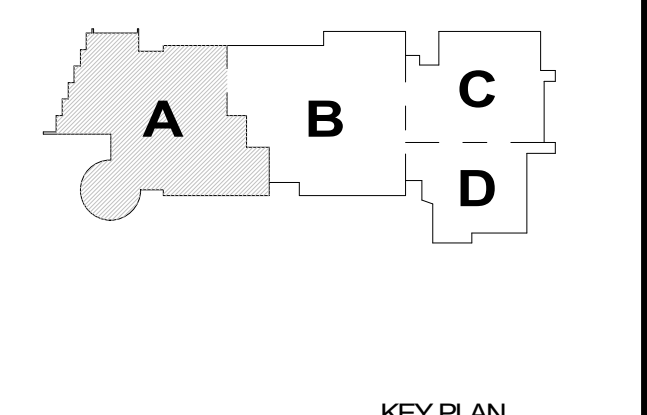
NORTHEAST METRO TECH

100 Hemlock Rd, Wakefield, MA 01880

EDG
 Engineers Design Group, Inc.
 Structural Engineers
 350 Main St, 2nd Flr, Malden, MA 02148
 (781) 398-9007, (781) 398-9008 (FAX), EDG@EDGINC.COM

© COPYRIGHT 2021 DRUMMEY ROSANE ANDERSON, INC.

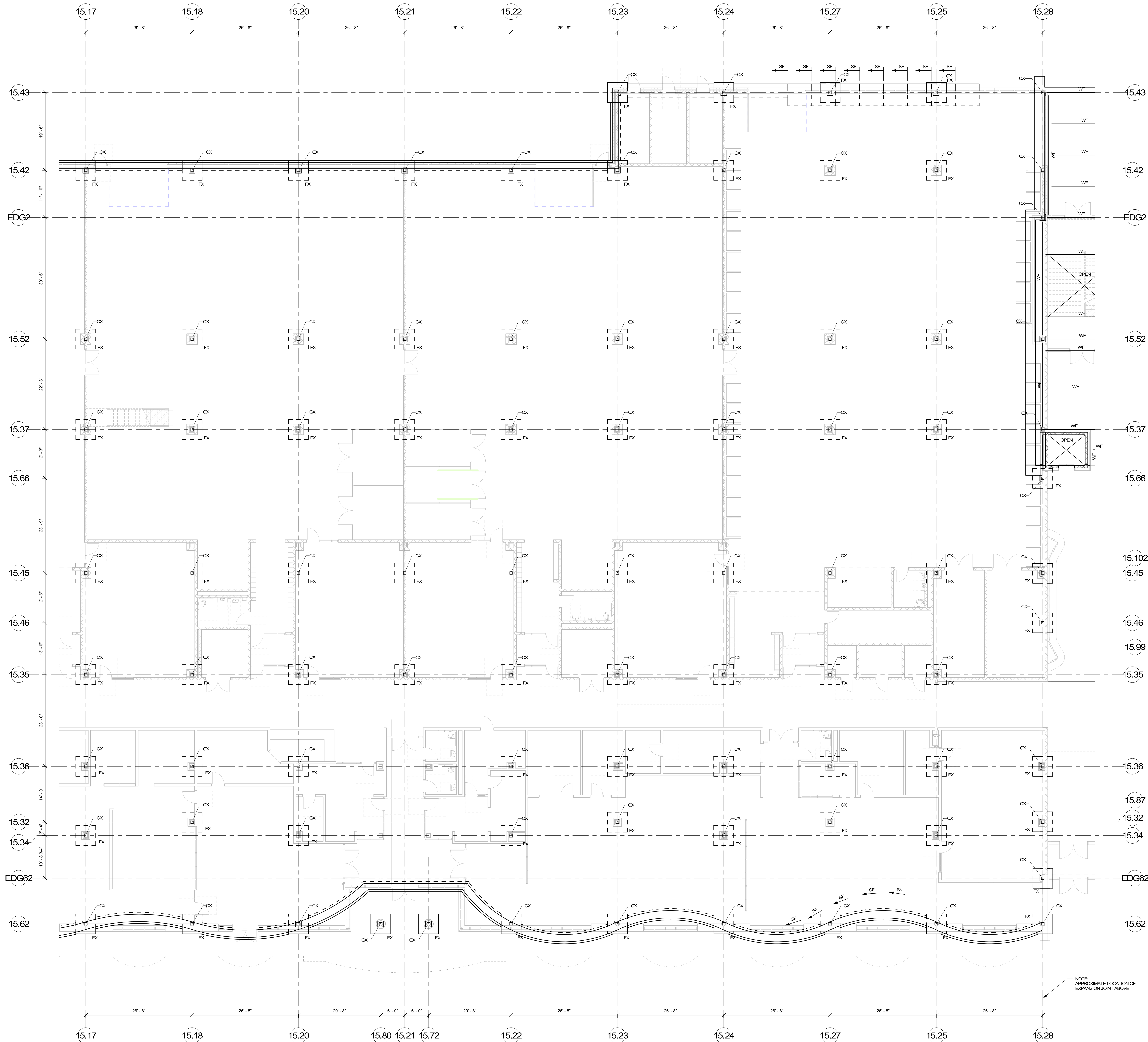
MSBA SCHEMATIC DESIGN SUBMITTAL
 JUNE 17, 2021



PROJECT NORTH
 MAGNETIC NORTH

FIRST FLOOR FOUNDATION PLAN - AREA A

Scale: 1/8" = 1'-0"
 Job No.: 20202
 Drawn By: DRA
 Date: JUNE 17, 2021
S1-1-1A



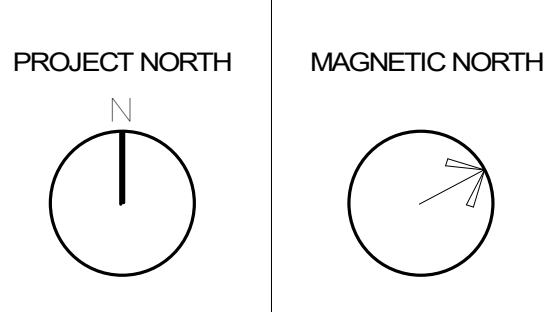
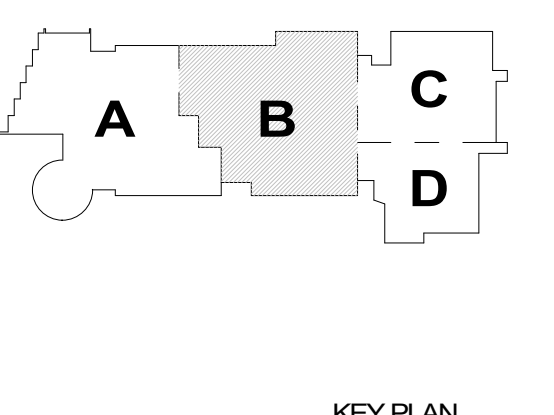
COST NOTE:
 ALLOW FOR (11'-0" x 11'-0" x 2'-0") DEEP TYPICAL COLUMN FOOTINGS. INTERIOR FOOTINGS WILL BE (1'-0" MINIMUM) BELOW TOP-OF-SLAB ELEVATION AND EXTERIOR FOOTINGS WILL BEAR (4'-0" MINIMUM) BELOW TOP-OF-ADJACENT EXTERIOR GRADE.
 ALLOW FOR (14" - TO - 18" THICK) TYPICAL CONTINUOUS EXTERIOR FOUNDATION WALLS AND (5'-0" WIDE x 2'-0" DEEP) TYPICAL CONTINUOUS EXTERIOR FOUNDATION WALL FOOTINGS. EXTERIOR WALL FOOTINGS WILL BEAR (4'-0" MINIMUM) BELOW TOP-OF-ADJACENT EXTERIOR GRADE.
 ALLOW FOR (8" - TO - 12" THICK) CONTINUOUS CONCRETE FOUNDATION WALLS AND (5'-0" WIDE x 2'-0" DEEP) CONTINUOUS FOOTINGS BELOW MASONRY WALLS. INTERIOR SHEAR WALL FOOTINGS WILL BEAR (1'-0" MINIMUM) BELOW TOP-OF-SLAB ELEVATION.
 ALLOW FOR VERTICAL AND HORIZONTAL REINFORCING WITH (4'-0" ON CENTER MAX.) CELLS OF ALL MASONRY WALLS SPACED AT (4'-0" ON CENTER MAX.)

COST NOTE:
 ALLOW FOR (4" THICK) CONCRETE SLAB-ON-GRADE REINFORCED WITH WELDED WIRE REINFORCING OVER (2" THICK) RIGID INSULATION ON (12") OF COMPACTED SAND-GRAVEL STRUCTURAL FILL.
 ALLOW FOR (6" THICK) CONCRETE SLAB-ON-GRADE REINFORCED WITH WELDED WIRE REINFORCING OVER (2" THICK) RIGID INSULATION ON (12") OF COMPACTED SAND-GRAVEL STRUCTURAL FILL IN ALL SHOP AREAS.
 ALLOW FOR (16" THICK) CONTINUOUS THICKENED SLAB-ON-GRADE BELOW ALL INTERIOR NON-STRUCTURAL MASONRY WALLS.

FOOTING SCHEDULE		
MARK	SIZE	REINFORCEMENT
F8	8'-0" x 8'-0" x 2'-0"	9-#6 BOT EA WAY
F9	9'-0" x 9'-0" x 2'-0"	10-#6 BOT EA WAY
F10	10'-0" x 10'-0" x 2'-0"	11-#7 BOT EA WAY
F11	11'-0" x 11'-0" x 2'-0"	12-#7 BOT EA WAY
F12	12'-0" x 12'-0" x 2'-0"	13-#8 BOT EA WAY
F13	13'-0" x 13'-0" x 2'-0"	14-#8 BOT EA WAY
FA	SEE PLAN x 2'-0"	#8 @ 12"OC TOP AND BOT EA WAY

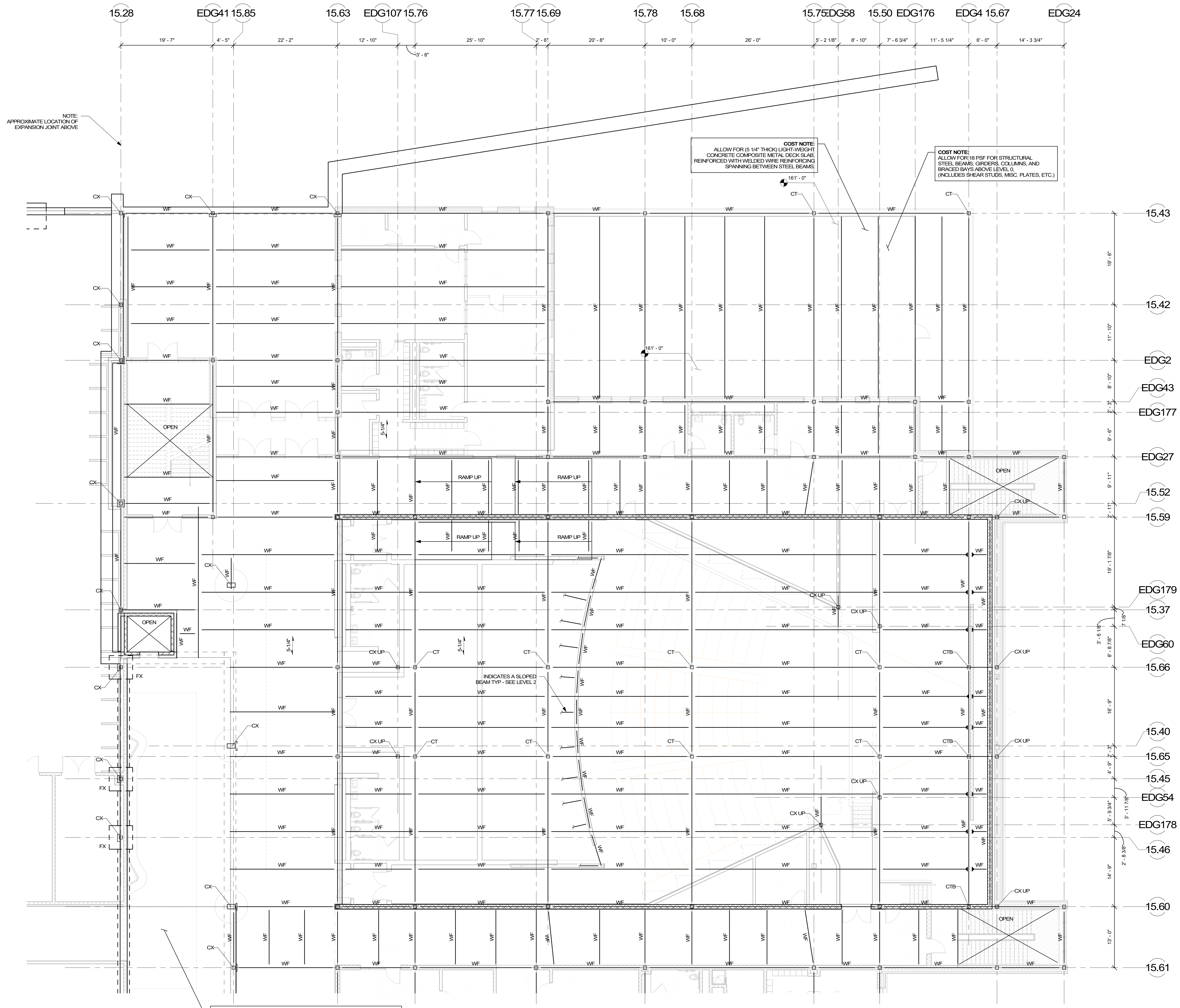
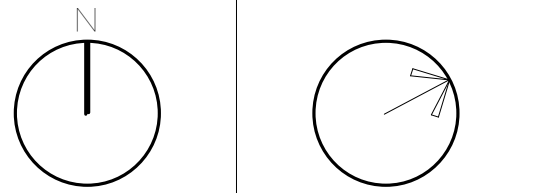
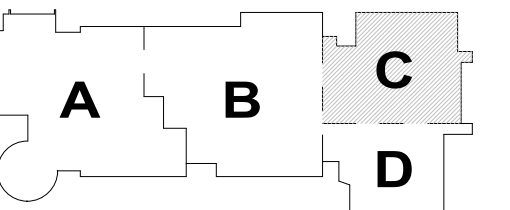
T INDICATES TOP REINFORCING TO MATCH BOTTOM REINFORCING

MSBA
 SCHEMATIC
 DESIGN
 SUBMITTAL
 JUNE 17, 2021



**FIRST FLOOR
 FOUNDATION
 PLAN - AREA B**

© COPYRIGHT 2021 DRUMHERY ROSANE ANDERSON, INC.

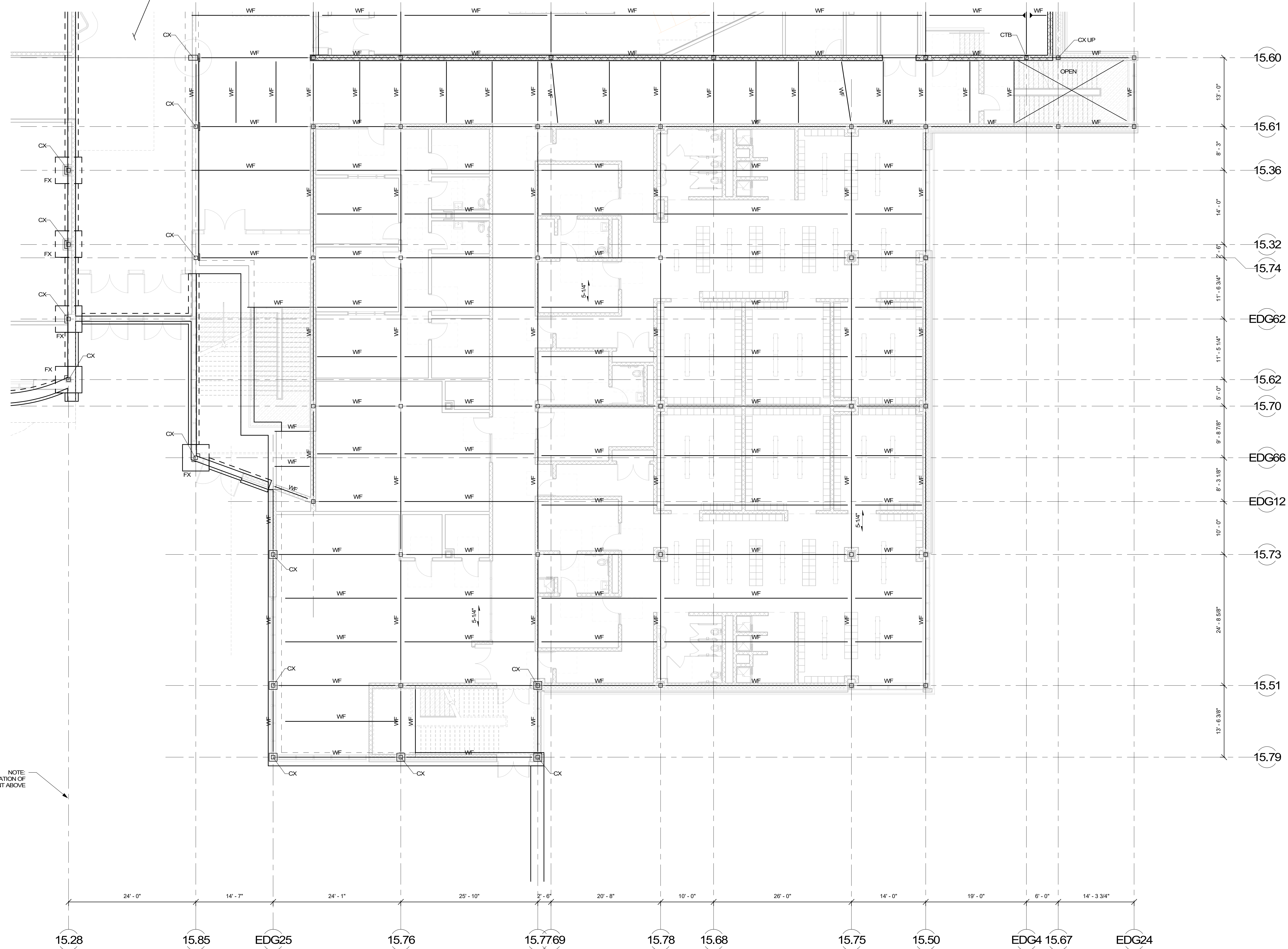


COST NOTE:
ALLOW FOR (8" THICK) CONCRETE SLAB-ON-GRADE REINFORCED WITH WELDED WIRE REINFORCING OVER (2" THICK) RIGID INSULATION ON (12") OF COMPACTED SAND-GRAVEL STRUCTURAL FILL.
ALLOW FOR (8" THICK) CONCRETE SLAB-ON-GRADE REINFORCED WITH WELDED WIRE REINFORCING OVER (2" THICK) RIGID INSULATION ON (12") OF COMPACTED SAND-GRAVEL STRUCTURAL FILL IN ALL SHOP AREAS.
ALLOW FOR (16" THICK) CONTINUOUS THICKENED SLAB-ON-GRADE BELOW ALL INTERIOR NON-STRUCTURAL MASONRY WALLS.

COST NOTE:
ALLOW FOR 20 PSF FOR TYPICAL STRUCTURAL STEEL BEAMS, GIRDERS, COLUMNS, AND BRACED BAYS ABOVE LEVEL 0. (INCLUDES SHEAR STUDS, MSC. PLATES, ETC.)

COST NOTE:
ALLOW FOR (5 1/4" THICK) LIGHT-WEIGHT CONCRETE COMPOSITE METAL DECK SLAB, REINFORCED WITH WELDED WIRE REINFORCING SPANNING BETWEEN STEEL BEAMS.

COST NOTE:
 ALLOW FOR (5" THICK) CONCRETE SLAB-ON-GRADE REINFORCED WITH WELDED WIRE REINFORCING OVER (2" THICK) RIGID INSULATION ON (12") OF COMPACTED SAND-GRAVEL STRUCTURAL FILL.
 ALLOW FOR (6" THICK) CONCRETE SLAB-ON-GRADE REINFORCED WITH WELDED WIRE REINFORCING OVER (2" THICK) RIGID INSULATION ON (12") OF COMPACTED SAND-GRAVEL STRUCTURAL FILL IN ALL SHOP AREAS.
 ALLOW FOR (16" THICK) CONTINUOUS THICKENED SLAB-ON-GRADE BELOW ALL INTERIOR NON-STRUCTURAL MASONRY WALLS.

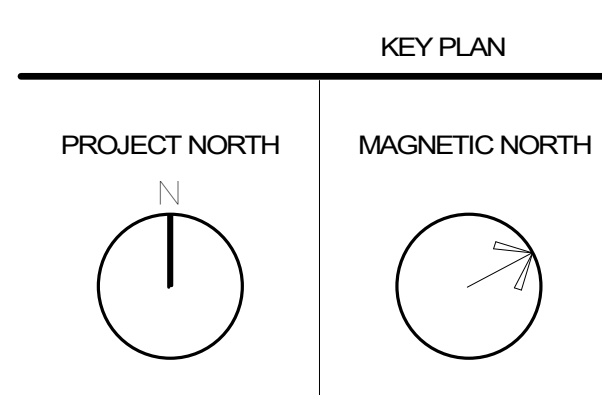
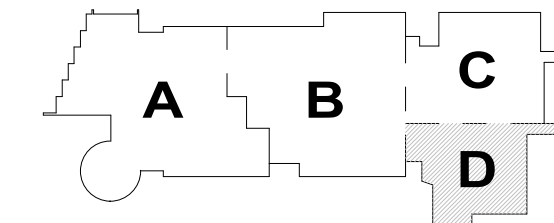


NOTE:
 APPROXIMATE LOCATION OF EXPANSION JOINT ABOVE

COST NOTE:
 ALLOW FOR 20 PSF FOR TYPICAL STRUCTURAL STEEL BEAMS, GIRDERS, COLUMNS, AND BRACED BAYS ABOVE LEVEL 0. (INCLUDES SHEAR STUDS, MISC. PLATES, ETC.)

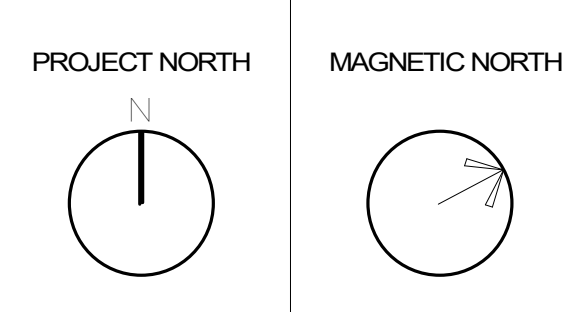
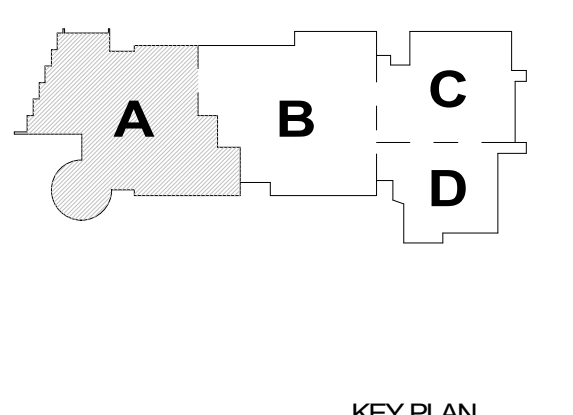
COST NOTE:
 ALLOW FOR (5 1/4" THICK) LIGHT-WEIGHT CONCRETE COMPOSITE METAL DECK SLAB, REINFORCED WITH WELDED WIRE REINFORCING SPANNING BETWEEN STEEL BEAMS.

MSBA
 SCHEMATIC
 DESIGN
 SUBMITTAL
 JUNE 17, 2021

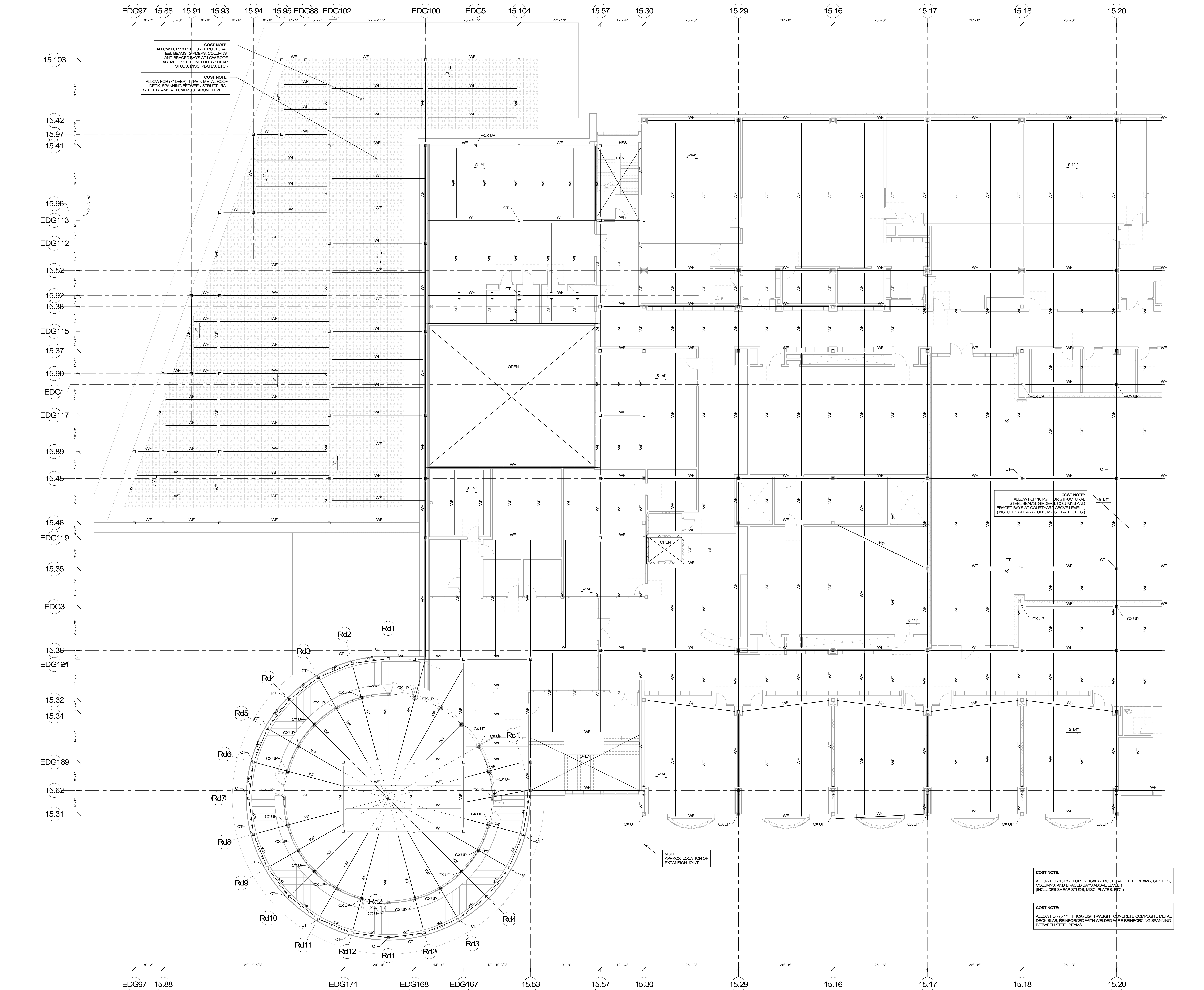


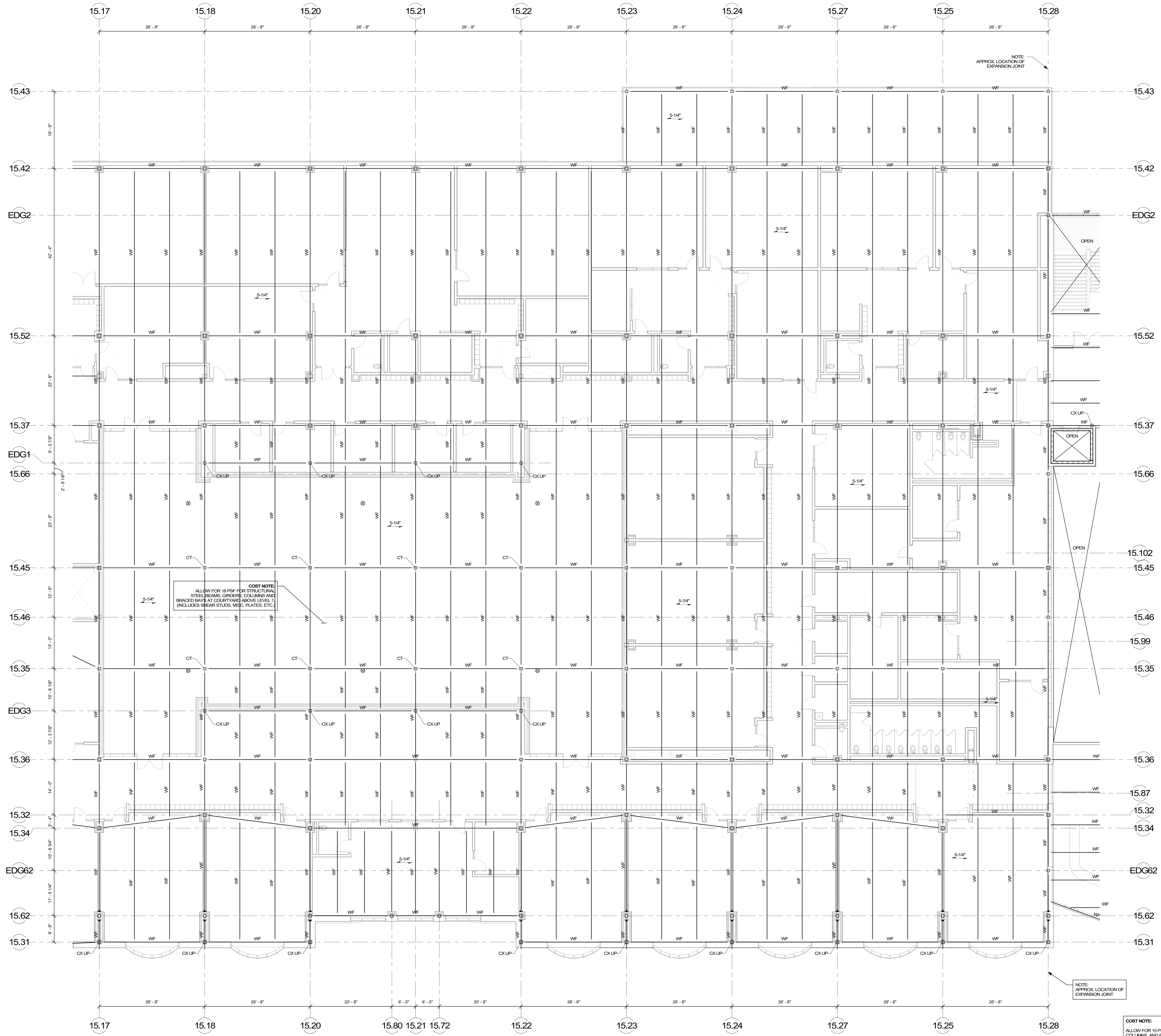
FIRST FLOOR FOUNDATION PLAN - AREA D

© COPYRIGHT 2021 DRUMHNEY ROSANE ANDERSON, INC.



SECOND FLOOR FRAMING PLAN - AREA A





DRA
 Drumsey Rosane Anderson, Inc.
 225 Oakland Road, Studio 205, South Windsor, CT 06074
 260 Charles Street, Studio 300, Waltham, MA 02453
 Planning | Architecture | Interior Design
 Tel: 817.964.1100, www.draa.com

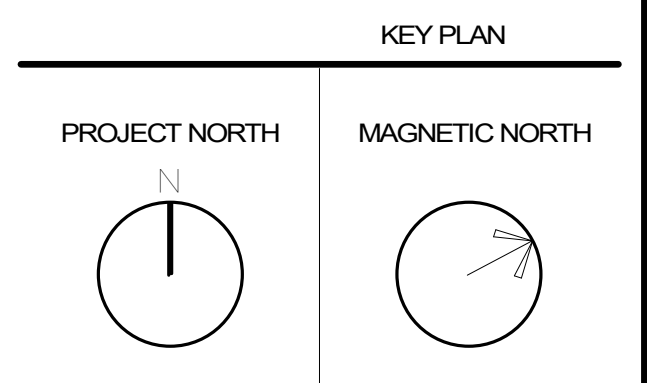
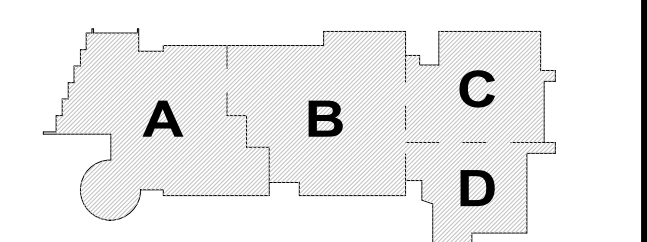
NORTHEAST METRO TECH

100 Hemlock Rd, Wakefield, MA 01880

EDG
 Engineers Design Group, Inc.
 Structural Engineers
 350 Main St, 2nd Flr, Malden, MA 02148
 (781) 396-9007, (781) 396-9008 (fax), EDG@EDGINC.COM

© COPYRIGHT 2021 DRUMSEY ROSANE ANDERSON, INC.

MSBA SCHEMATIC DESIGN SUBMITTAL
 JUNE 17, 2021

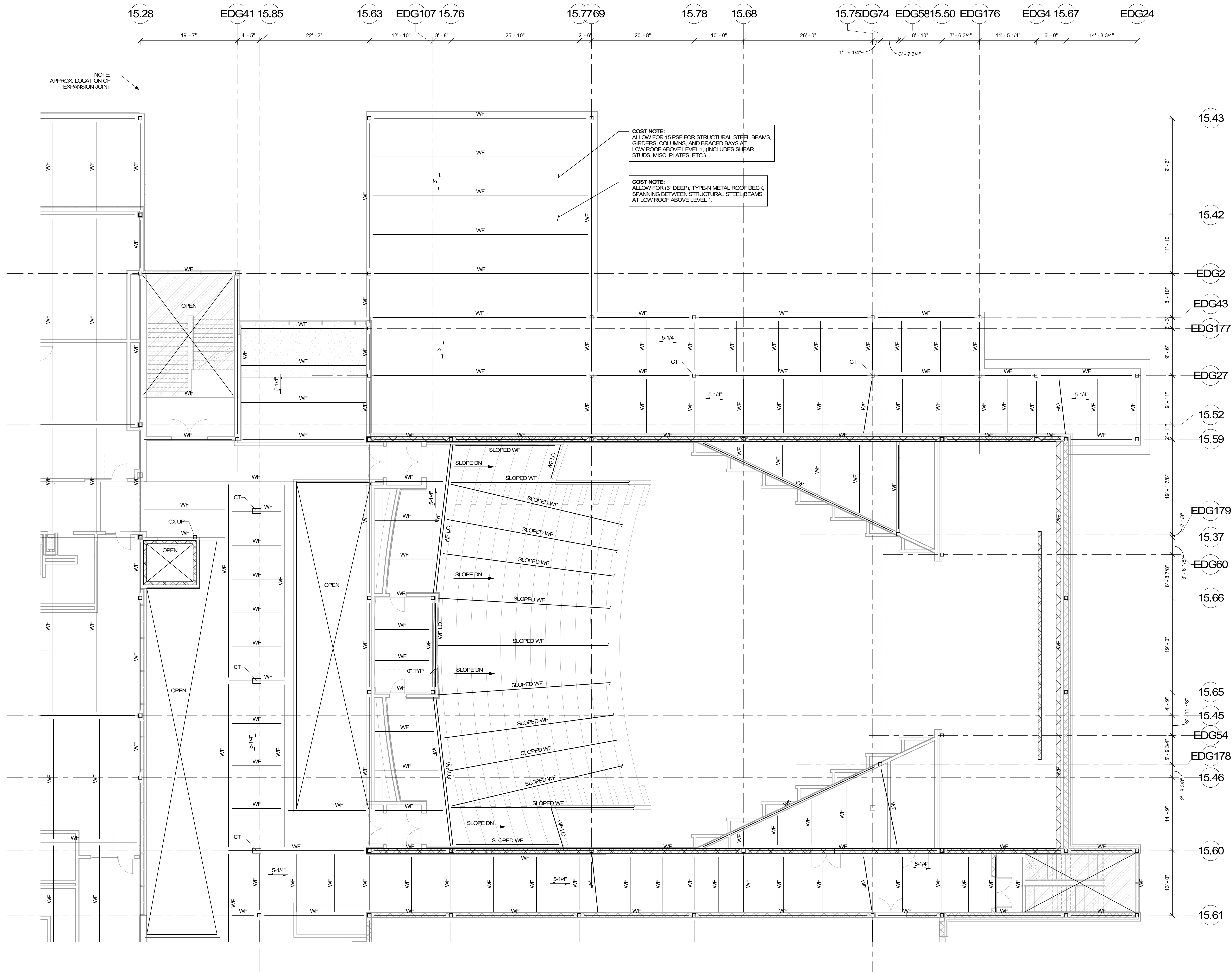


SECOND FLOOR FRAMING PLAN - AREA B

Scale: 1/8" = 1'-0"
 Job No.: 20202
 Drawn By: DRA
 Date: JUNE 17, 2021
S1-1-2B

COST NOTE:
 ALLOW FOR 15 PSF FOR TYPICAL STRUCTURAL STEEL BEAMS, GIRDERS, COLUMNS, AND BRACED BAYS ABOVE LEVEL 1 (INCLUDES SHEAR STUDS, MISC. PLATES, ETC.)

COST NOTE:
 ALLOW FOR 15-14" THICK LIGHT-WEIGHT CONCRETE COMPOSITE METAL DECK SLAB, REINFORCED WITH WELDED WIRE REINFORCING SPANNING BETWEEN STEEL BEAMS.

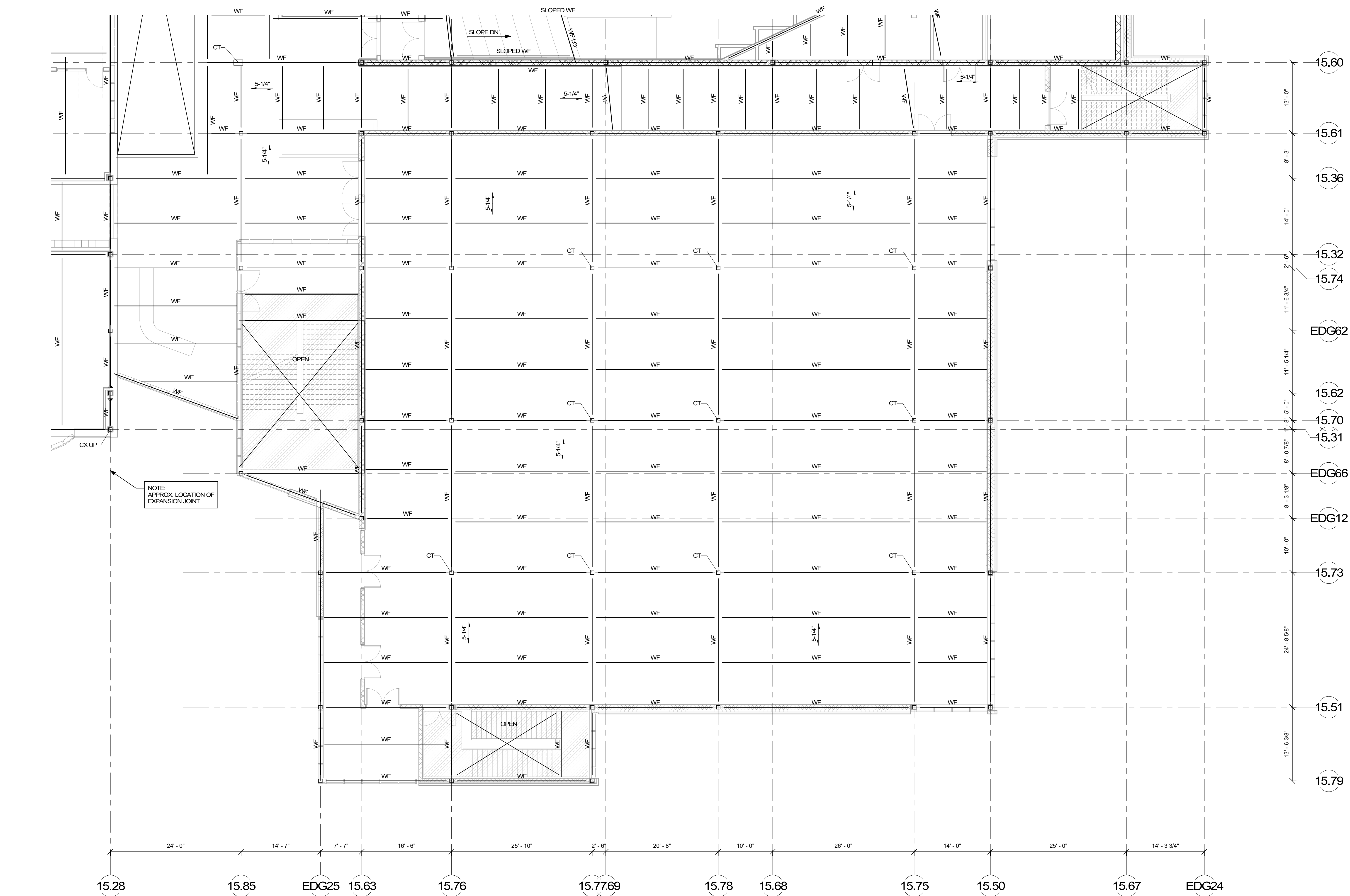


COST NOTE:
ALLOW FOR 15 PSF FOR STRUCTURAL STEEL BEAMS, GIRDERS, COLUMNS, AND BRACED BAYS AT LOW ROOF ABOVE LEVEL 1. (INCLUDES SHEAR STUDS, MISC. PLATES, ETC.)

COST NOTE:
ALLOW FOR (3" DEEP), TYPE-N METAL ROOF DECK, SPANNING BETWEEN STRUCTURAL STEEL BEAMS AT LOW ROOF ABOVE LEVEL 1.

COST NOTE:
ALLOW FOR 15 PSF FOR TYPICAL STRUCTURAL STEEL BEAMS, GIRDERS, COLUMNS, AND BRACED BAYS ABOVE LEVEL 1. (INCLUDES SHEAR STUDS, MISC. PLATES, ETC.)

COST NOTE:
ALLOW FOR (5 1/4" THICK) LIGHT-WEIGHT CONCRETE COMPOSITE METAL DECK SLAB, REINFORCED WITH WELDED WIRE REINFORCING SPANNING BETWEEN STEEL BEAMS.



NOTE:
APPROX. LOCATION OF
EXPANSION JOINT

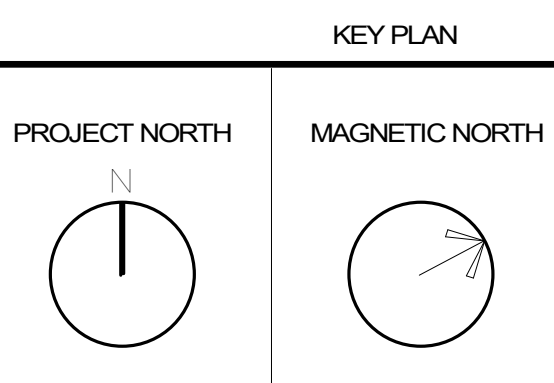
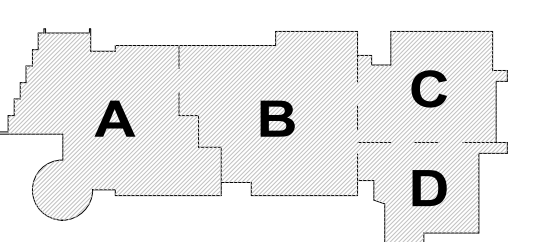
COST NOTE:
 ALLOW FOR 15 PSF FOR TYPICAL STRUCTURAL STEEL BEAMS, GRIDDERS,
 COLUMNS, AND BRACED BAYS ABOVE LEVEL 1.
 (INCLUDES SHEAR STUDS, MISC. PLATES, ETC.)

COST NOTE:
 ALLOW FOR (5 1/4" THICK) LIGHT-WEIGHT CONCRETE COMPOSITE METAL
 DECK SLAB, REINFORCED WITH WELDED WIRE REINFORCING SPANNING
 BETWEEN STEEL BEAMS.

© COPYRIGHT 2021 DRUMHERY ROSANE ANDERSON, INC.

MSBA
SCHEMATIC
DESIGN
SUBMITTAL

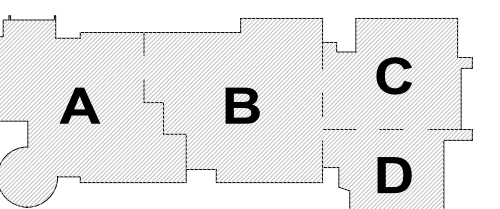
JUNE 17, 2021



**SECOND FLOOR
FRAMING PLAN -
AREA D**

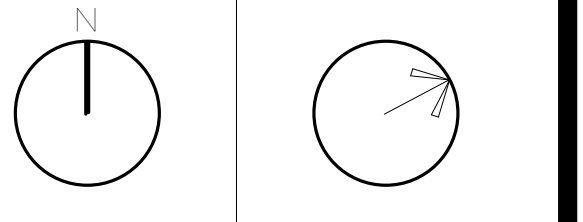
Scale: 1/8" = 1'-0"
 Job No.: 2022
 Drawn By: DRA
 Date: JUNE 17, 2021

S1-1-2D



KEY PLAN

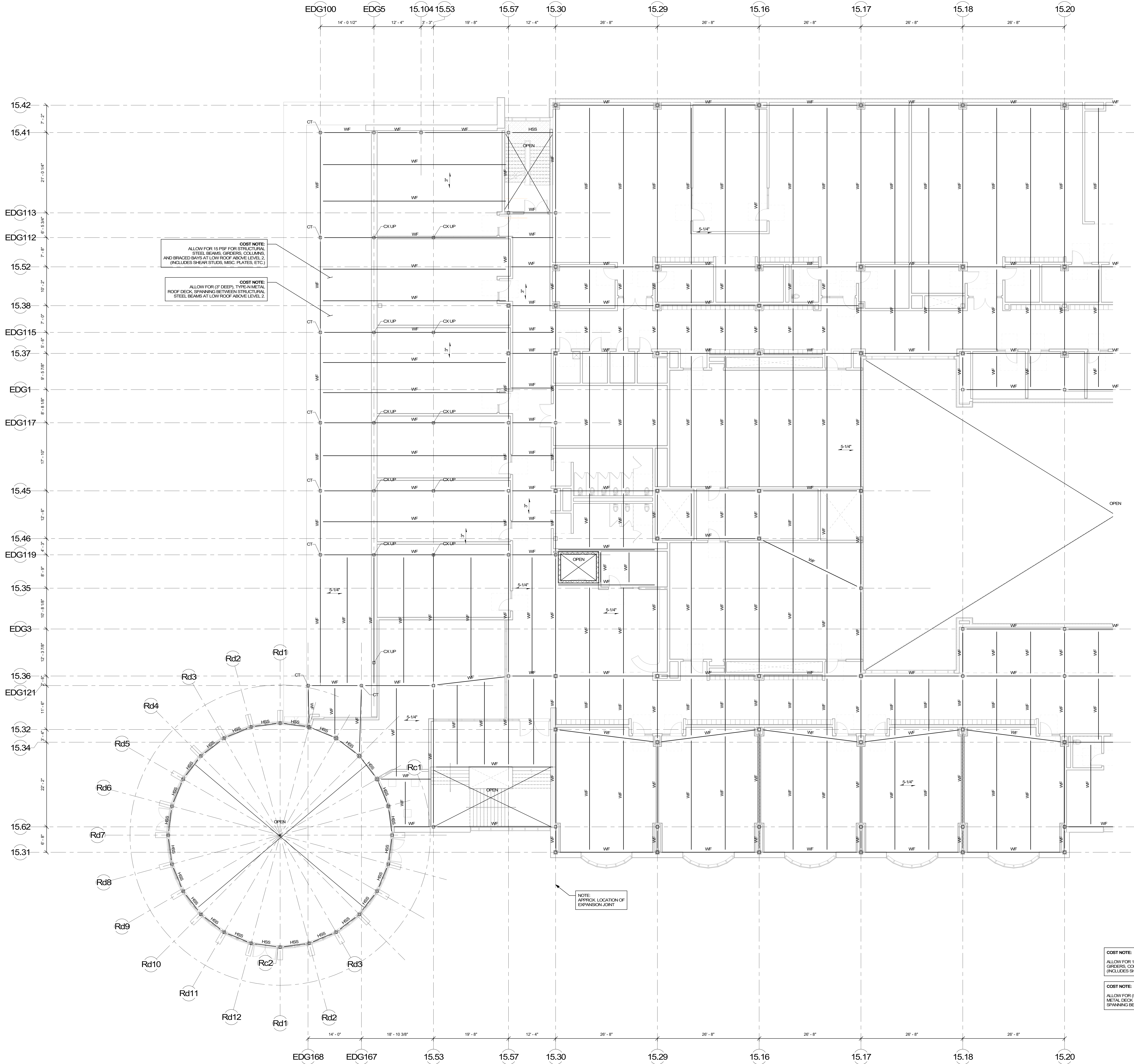
PROJECT NORTH MAGNETIC NORTH



THIRD FLOOR FRAMING PLAN - AREA A

Scale: 1/8" = 1'-0"
 Job No.: 20202
 Drawn By: DRA
 Date: JUNE 17, 2021

S1-1-3A



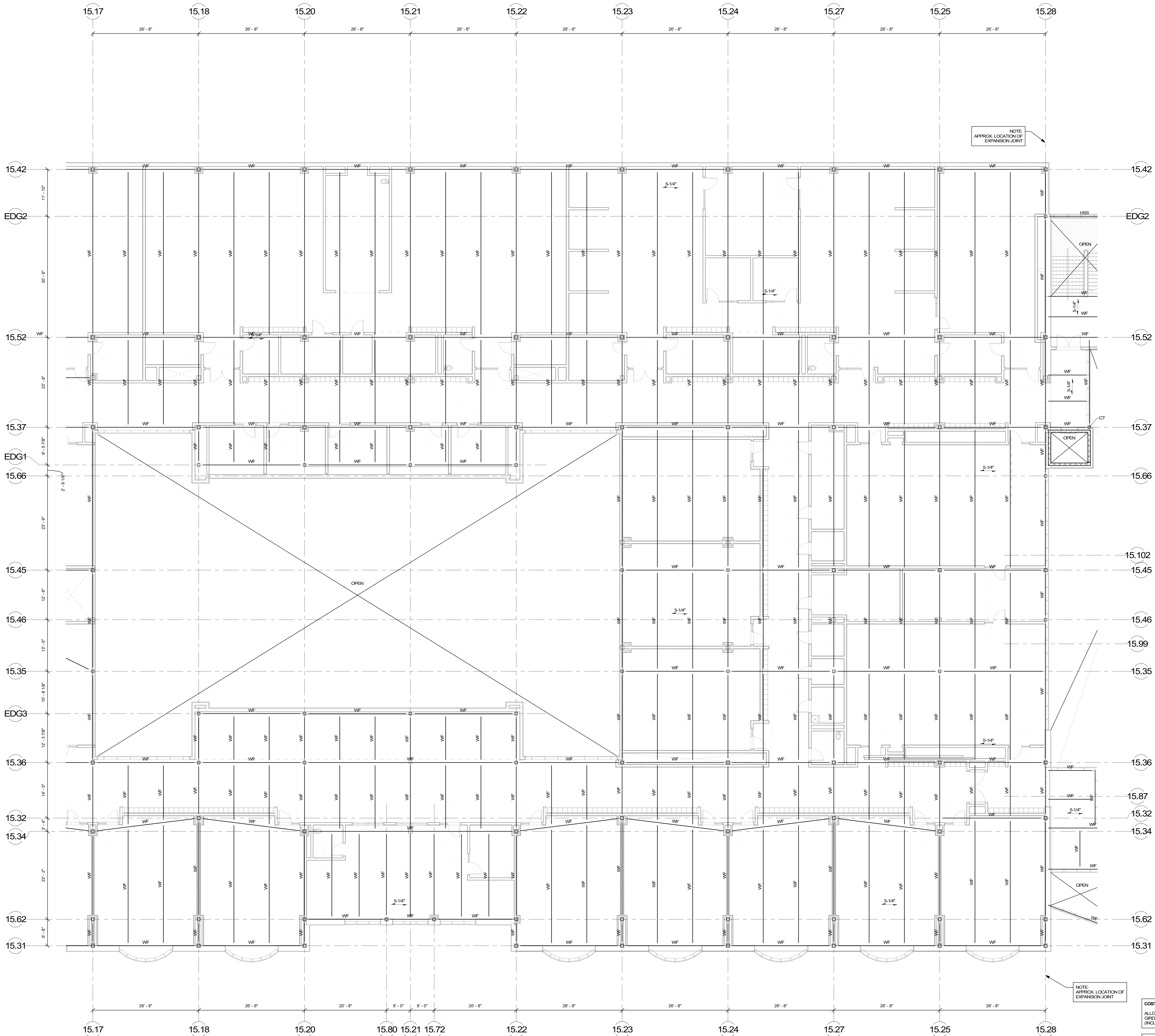
COST NOTE:
 ALLOW FOR 15 PSF FOR STRUCTURAL STEEL BEAMS, GIRDERS, COLUMNS AND BRACED BAYS AT LOW ROOF ABOVE LEVEL 2. (INCLUDES SHEAR STUDS, MSC. PLATES, ETC.)

COST NOTE:
 ALLOW FOR (2" DEEP) TYPE III METAL ROOF DECK, SPANNING BETWEEN STRUCTURAL STEEL BEAMS AT LOW ROOF ABOVE LEVEL 2.

NOTE:
 APPROX. LOCATION OF EXPANSION JOINT

COST NOTE:
 ALLOW FOR 15 PSF FOR TYPICAL STRUCTURAL STEEL BEAMS, GIRDERS, COLUMNS, AND BRACED BAYS ABOVE LEVEL 2. (INCLUDES SHEAR STUDS, MSC. PLATES, ETC.)

COST NOTE:
 ALLOW FOR (5 1/4" THICK) LIGHT-WEIGHT CONCRETE COMPOSITE METAL DECK SLAB, REINFORCED WITH WELDED WIRE REINFORCING SPANNING BETWEEN STEEL BEAMS.



NOTE:
APPROX. LOCATION OF
EXPANSION JOINT

NOTE:
APPROX. LOCATION OF
EXPANSION JOINT

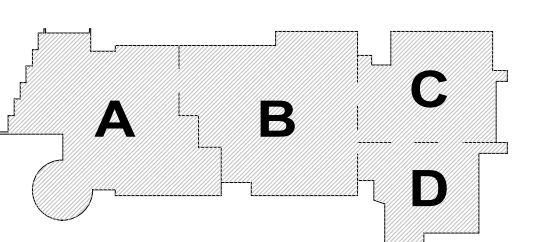
COST NOTE:
ALLOW FOR 15 PSF FOR TYPICAL STRUCTURAL STEEL BEAMS,
GRIDERS, COLUMNS, AND BRACED BAYS ABOVE LEVEL 2.
(INCLUDES SHEAR STUDS, MISC. PLATES, ETC.)

COST NOTE:
ALLOW FOR (5 1/4" THICK) LIGHT-WEIGHT CONCRETE COMPOSITE
METAL DECK SLAB, REINFORCED WITH WELDED WIRE REINFORCING
SPANNING BETWEEN STEEL BEAMS.

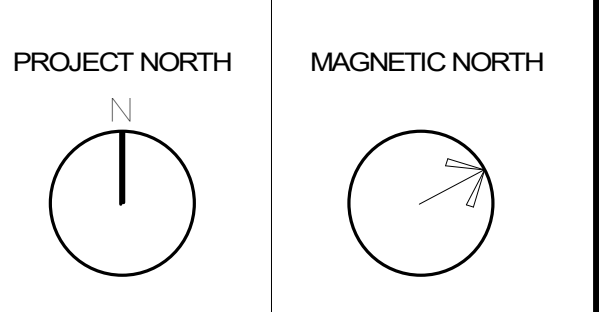
© COPYRIGHT 2021 DRUMHERY ROSANE ANDERSON, INC.

MSBA
SCHEMATIC
DESIGN
SUBMITTAL

JUNE 17, 2021



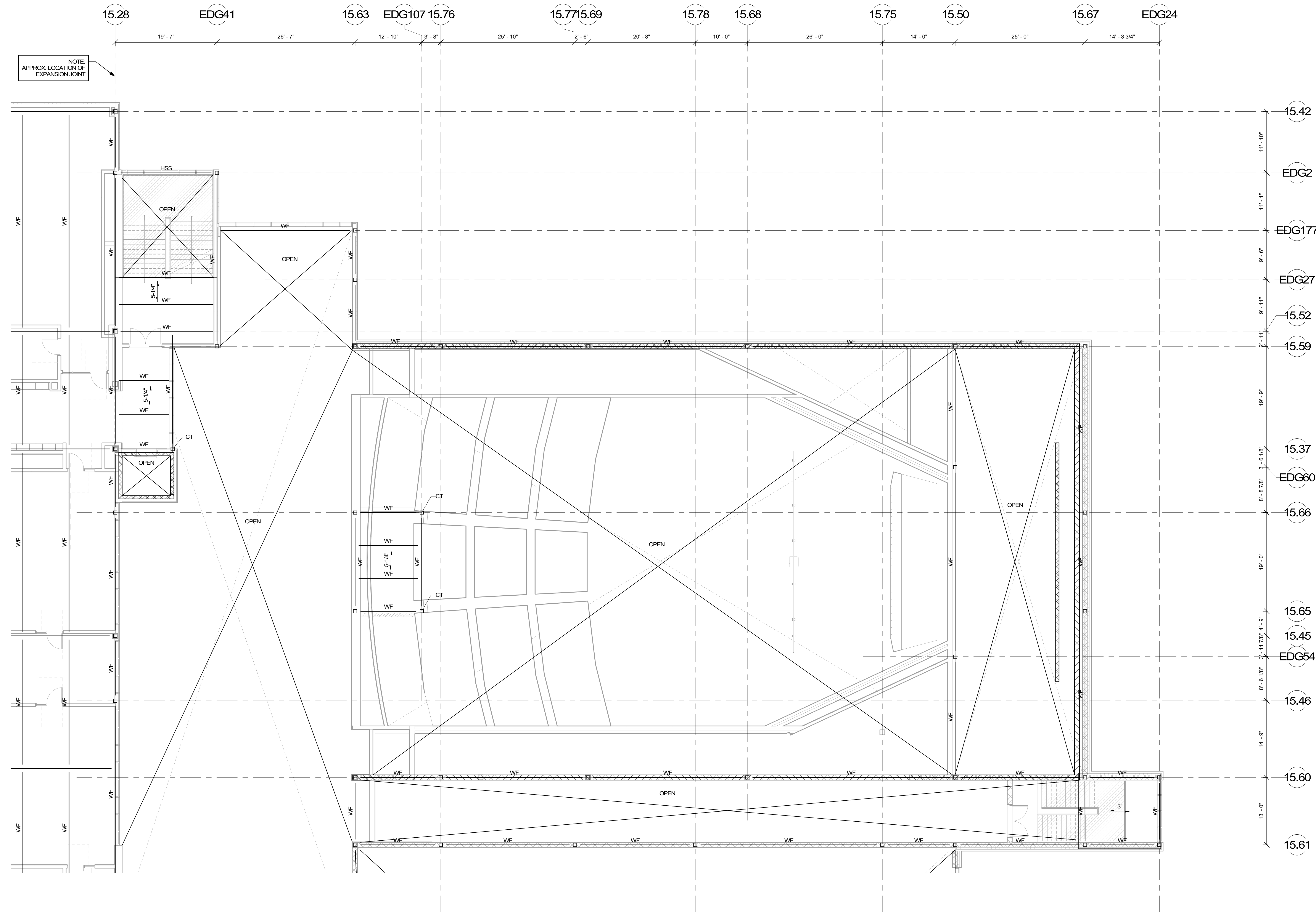
KEY PLAN



THIRD FLOOR
FRAMING PLAN -
AREA B

Scale: 1/8" = 1'-0"
Job No.: 20202
Drawn By: DRA
Date: JUNE 17, 2021

S1-1-3B

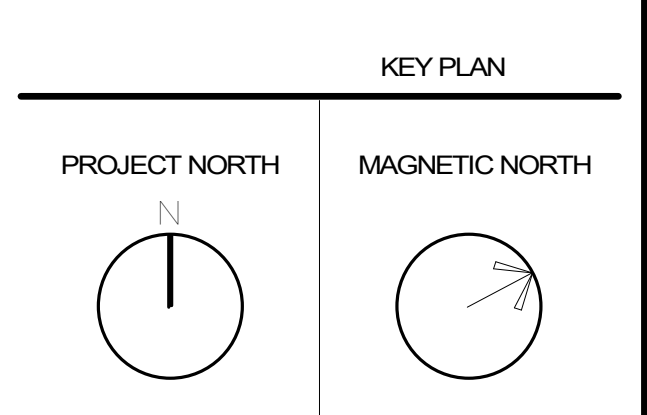
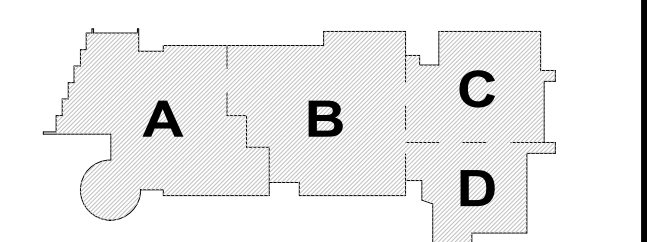


COST NOTE:
 ALLOW FOR 15 PSF FOR TYPICAL STRUCTURAL STEEL BEAMS,
 GIRDERS, COLUMNS, AND BRACED BAYS ABOVE LEVEL 2.
 (INCLUDES SHEAR STUDS, MISC. PLATES, ETC.)

COST NOTE:
 ALLOW FOR 15 1/4" THICK LIGHT-WEIGHT CONCRETE COMPOSITE
 METAL DECK SLAB, REINFORCED WITH WELDED WIRE REINFORCING
 SPANNING BETWEEN STEEL BEAMS.

© COPYRIGHT 2021 DRUMHERY ROSANE ANDERSON, INC.

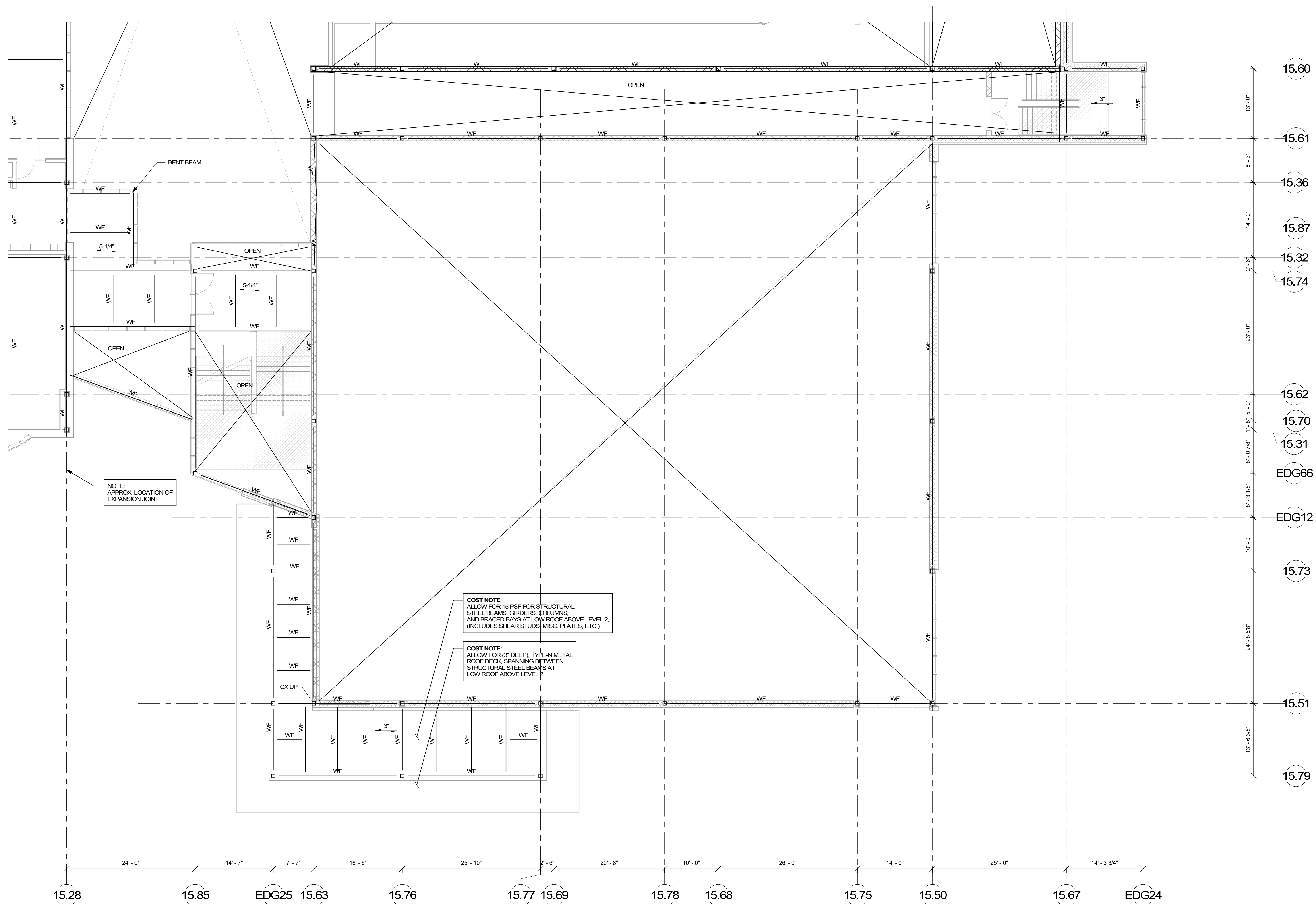
MSBA
 SCHEMATIC
 DESIGN
 SUBMITTAL
 JUNE 17, 2021



**THIRD FLOOR
 FRAMING PLAN -
 AREA C**

Scale: 1/8" = 1'-0"
 Job No.: 2022
 Drawn By: DRA
 Date: JUNE 17, 2021

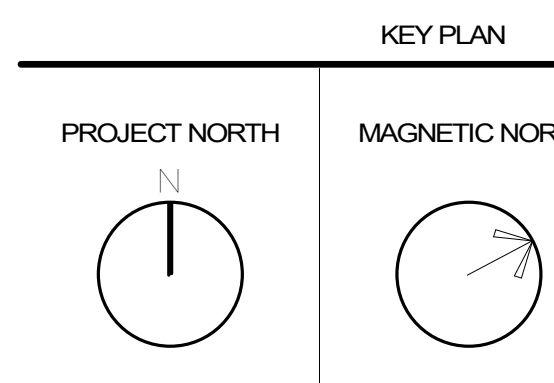
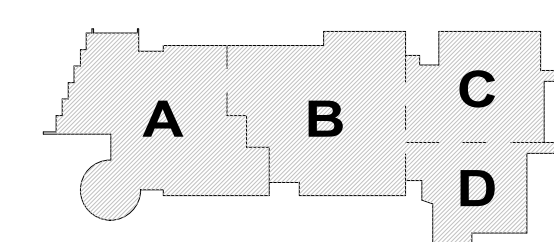
S1-1-3C



COST NOTE:
ALLOW FOR 15 PSF FOR TYPICAL STRUCTURAL STEEL BEAMS, GIRDERS, COLUMNS, AND BRACED BAYS ABOVE LEVEL 2. (INCLUDES SHEAR STUDS, MSC. PLATES, ETC.)

COST NOTE:
ALLOW FOR 5/16" THICK LIGHT-WEIGHT CONCRETE COMPOSITE METAL DECK SLAB, REINFORCED WITH WELDED WIRE REINFORCING SPANNING BETWEEN STEEL BEAMS.

MSBA
SCHEMATIC
DESIGN
SUBMITTAL
JUNE 17, 2021



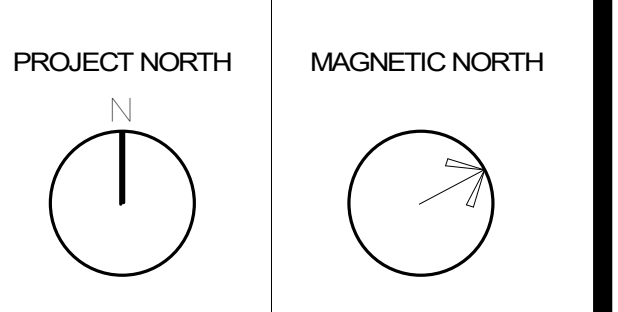
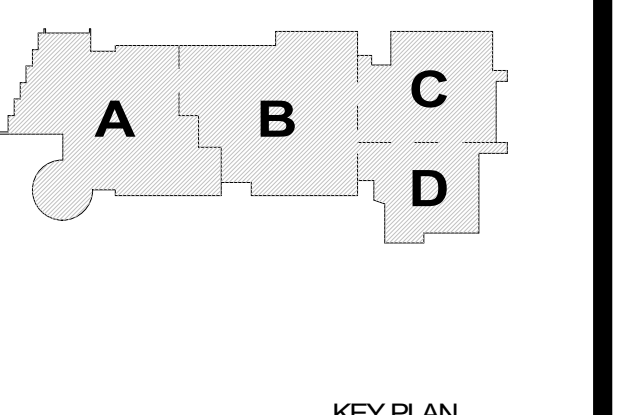
**THIRD FLOOR
FRAMING PLAN -
AREA D**

Scale: 1/8" = 1'-0"
Job No.: 20202
Drawn By: DRA
Date: JUNE 17, 2021

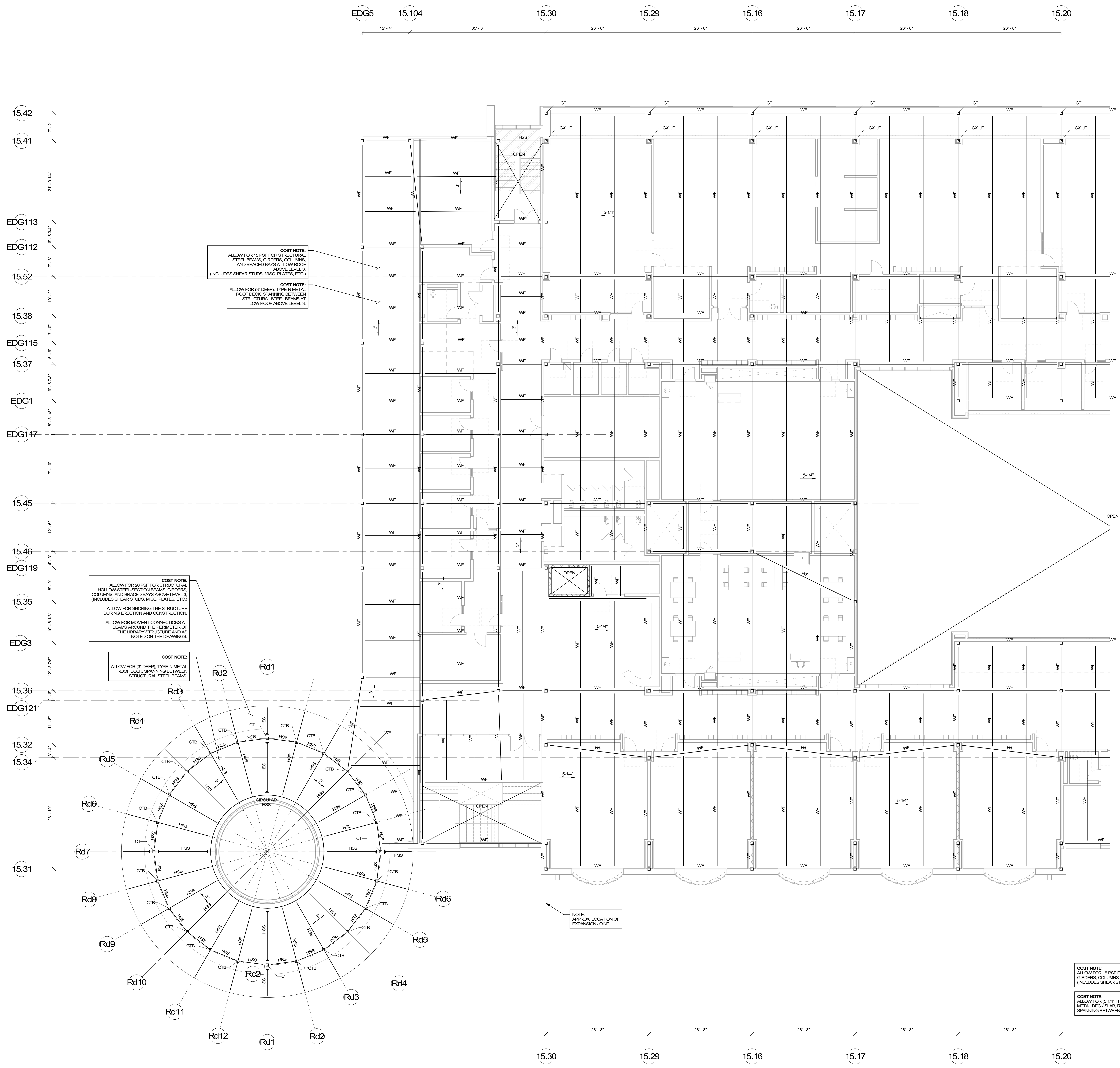
S1-1-3D

© COPYRIGHT 2021 DRUMHERY ROSANE ANDERSON, INC.

© COPYRIGHT 2021 DRUMREY ROSANE ANDERSON, INC.



FOURTH FLOOR
FRAMING PLAN -
AREA A



COST NOTE:
ALLOW FOR 15 PSF FOR STRUCTURAL
STEEL BEAMS, GIRDERS, COLUMNS,
AND BRACED BAYS AT LOW ROOF
ABOVE LEVEL 3.
(INCLUDES SHEAR STUDS, MSC. PLATES, ETC.)

COST NOTE:
ALLOW FOR (3\"/>

COST NOTE:
ALLOW FOR 20 PSF FOR STRUCTURAL
HOLLOW-STEEL-SECTION BEAMS, GIRDERS,
COLUMNS, AND BRACED BAYS ABOVE LEVEL 3.
(INCLUDES SHEAR STUDS, MSC. PLATES, ETC.)

ALLOW FOR SHORING THE STRUCTURE
DURING ERECTION AND CONSTRUCTION.

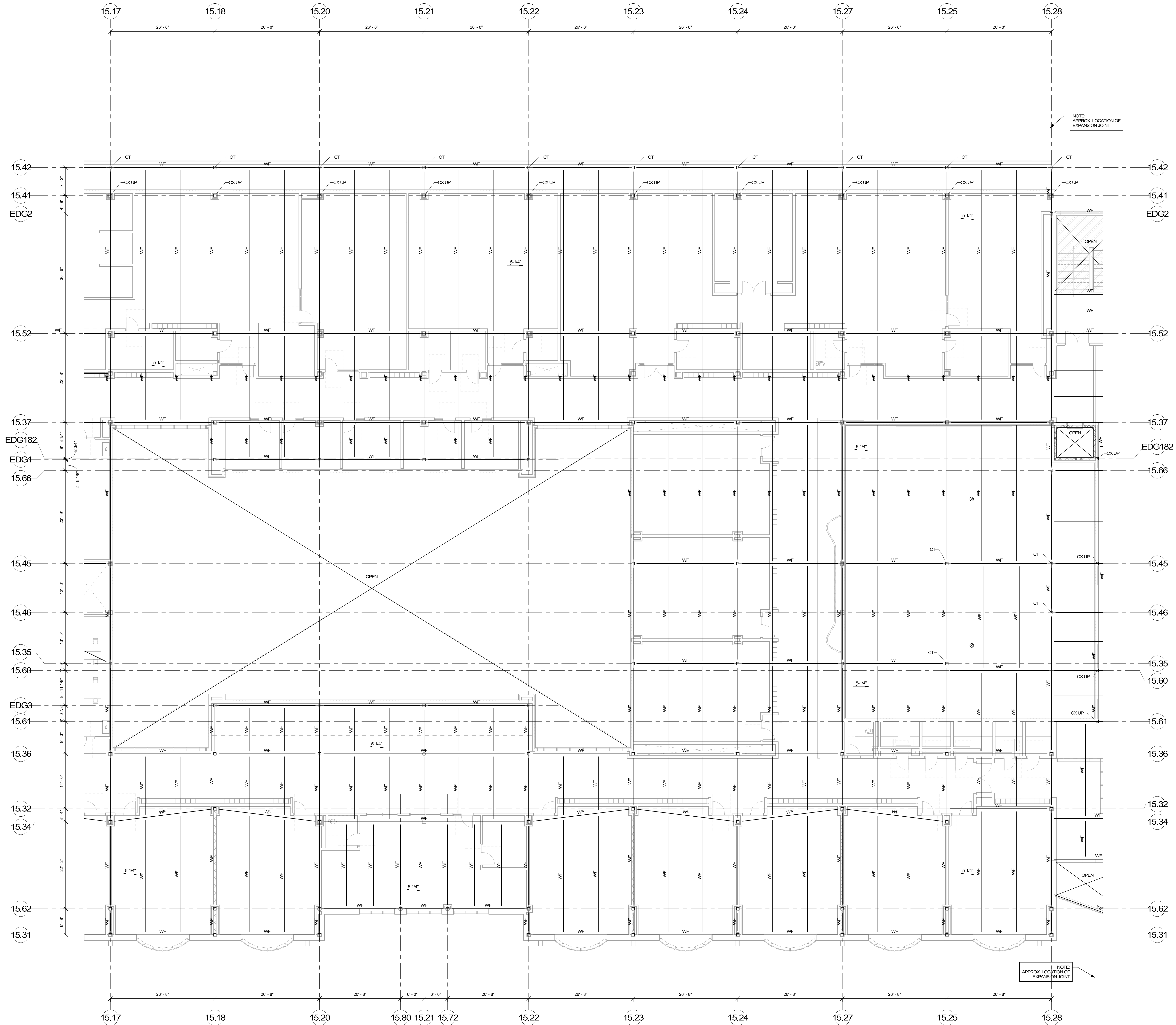
ALLOW FOR MOMENT CONNECTIONS AT
BEAMS AROUND THE PERIMETER OF
THE LIBRARY STRUCTURE AND AS
NOTED ON THE DRAWINGS.

COST NOTE:
ALLOW FOR (3\"/>

NOTE:
APPROX. LOCATION OF
EXPANSION JOINT

COST NOTE:
ALLOW FOR 15 PSF FOR TYPICAL STRUCTURAL STEEL BEAMS,
GIRDERS, COLUMNS, AND BRACED BAYS ABOVE LEVEL 3.
(INCLUDES SHEAR STUDS, MSC. PLATES, ETC.)

COST NOTE:
ALLOW FOR (5\"/>



COST NOTE:
 ALLOW FOR 15 PSF FOR TYPICAL STRUCTURAL STEEL BEAMS, GIRDERS, COLUMNS, AND BRACED BAYS ABOVE LEVEL 3. (INCLUDES SHEAR STUDS, MSC. PLATES, ETC.)

COST NOTE:
 ALLOW FOR 5 1/4" THICK LIGHT-WEIGHT CONCRETE COMPOSITE METAL DECK SLAB, REINFORCED WITH WELDED WIRE REINFORCING SPANNING BETWEEN STEEL BEAMS.

DRA
 Drummey Rosane Anderson, Inc.
 225 Oakland Road, Studio 205, South Windsor, CT 06074
 260 Charles Street, Studio 300, Waltham, MA 02453
 Planning | Architecture | Interior Design
 Tel: 817.964.1100, www.dra.com

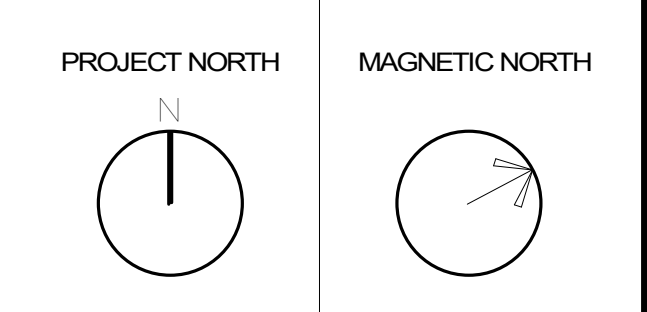
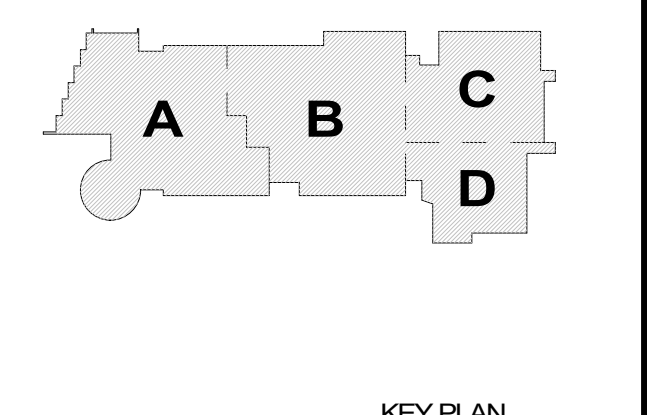
NORTHEAST METRO TECH

100 Hemlock Rd, Wakefield, MA 01880

EDG
 Engineers Design Group, Inc.
 Structural Engineers
 350 Main St, 2nd Flr, Malden, MA 02148
 (781) 396-9007, (781) 396-9008 (FAX), EDG@EDGINC.COM

© COPYRIGHT 2021 DRUMMEY ROSANE ANDERSON, INC.

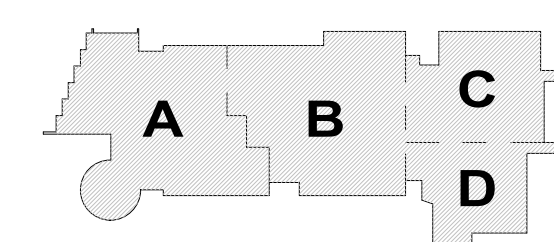
MSBA SCHEMATIC DESIGN SUBMITTAL
 JUNE 17, 2021



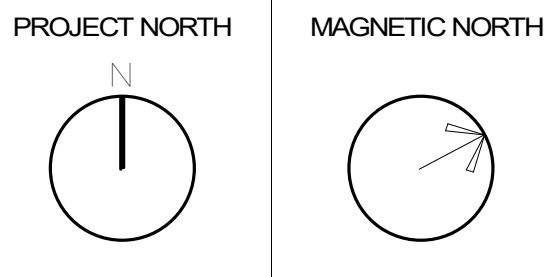
FOURTH FLOOR FRAMING PLAN - AREA B

Scale: 1/8" = 1'-0"
 Job No.: 20202
 Drawn By: DRA
 Date: JUNE 17, 2021
S1-1-4B

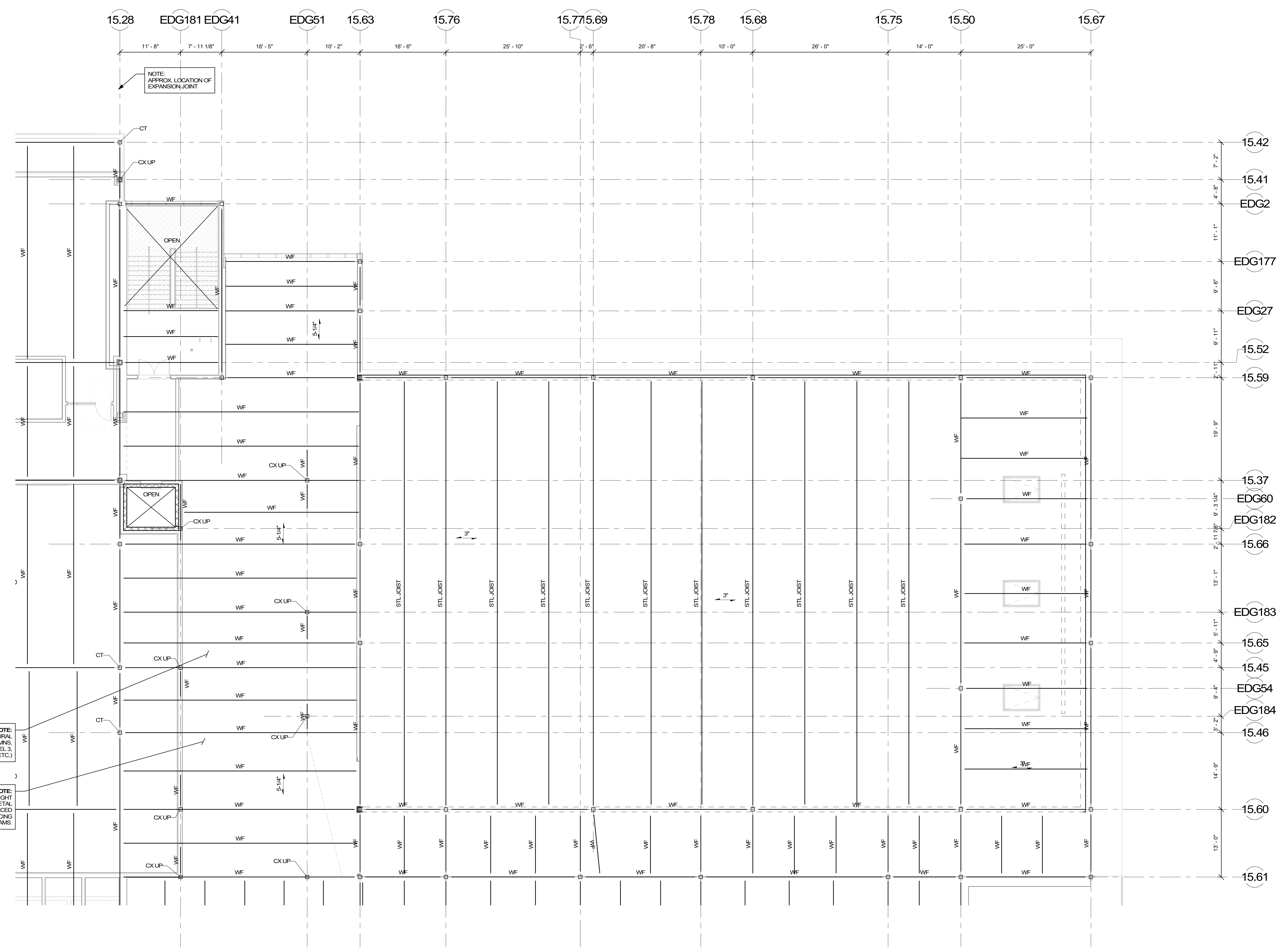
© COPYRIGHT 2021 DRUMHERY ROSANE ANDERSON, INC.



KEY PLAN



FOURTH FLOOR
FRAMING PLAN -
AREA C



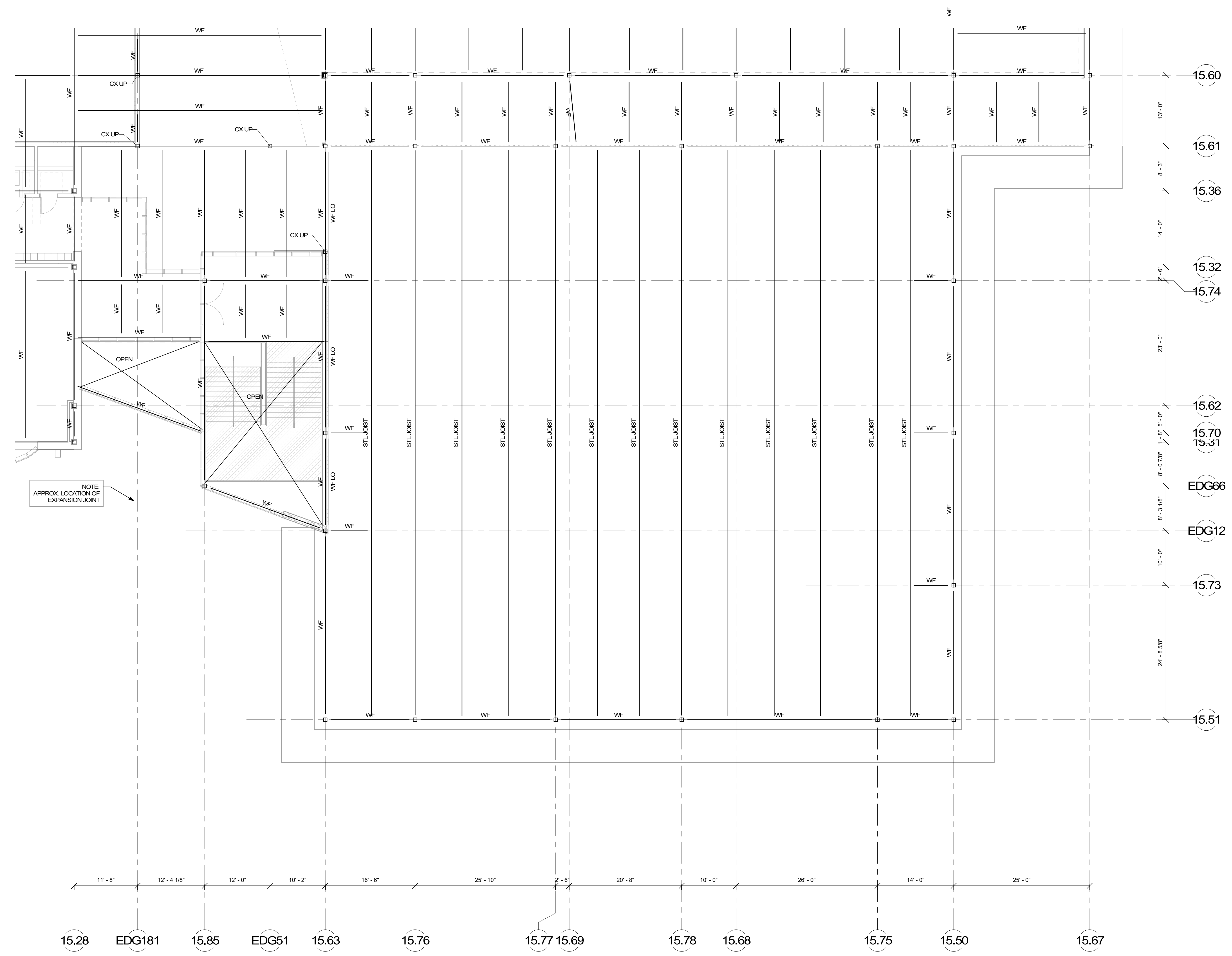
NOTE:
APPROX. LOCATION OF
EXPANSION JOINT

COST NOTE:
ALLOW FOR 20 PSF FOR STRUCTURAL
STEEL BEAMS, GIRDERS, COLUMNS,
AND BRACED BAYS ABOVE LEVEL 3.
(INCLUDES SHEAR STUDS, MISC. PLATES, ETC.)

COST NOTE:
ALLOW FOR (5 1/4" THICK) LIGHT WEIGHT
CONCRETE COMPOSITE METAL
DECK SLAB, REINFORCED
WITH WELDED WIRE REINFORCING
SPANNING BETWEEN STEEL BEAMS.

COST NOTE:
ALLOW FOR 13 PSF FOR TYPICAL STEEL JOISTS AND
STRUCTURAL STEEL BEAMS AT THE AUDITORIUM ROOF LEVEL.
(INCLUDES SHEAR STUDS, MISC. PLATES, ETC.)

COST NOTE:
ALLOW FOR (3" DEEP) TYPE-NA METAL ROOF DECK, SPANNING
BETWEEN STEEL JOISTS AT THE AUDITORIUM ROOF LEVEL.

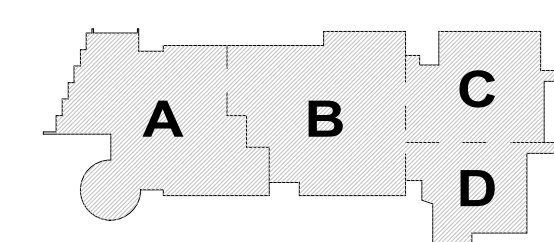


COST NOTE:
 ALLOW FOR 13 PSF FOR TYPICAL STEEL JOISTS AND STRUCTURAL STEEL BEAMS AT THE GYM ROOF LEVEL (INCLUDES SHEAR STUDS, MISC. PLATES, ETC.)

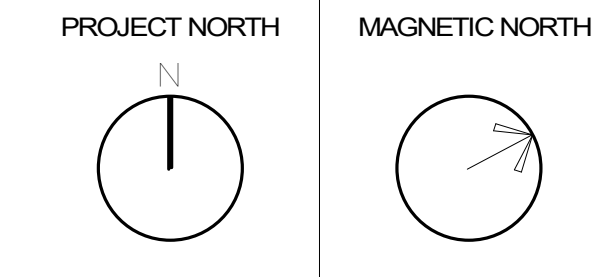
COST NOTE:
 ALLOW FOR 0.5 DEEP, TYPE-A1 METAL ROOF DECK, SPANNING BETWEEN STEEL JOISTS AT THE GYM ROOF LEVEL.

© COPYRIGHT 2021 DRUMSEY ROSANE ANDERSON, INC.

MSBA
 SCHEMATIC DESIGN
 SUBMITTAL
 JUNE 17, 2021



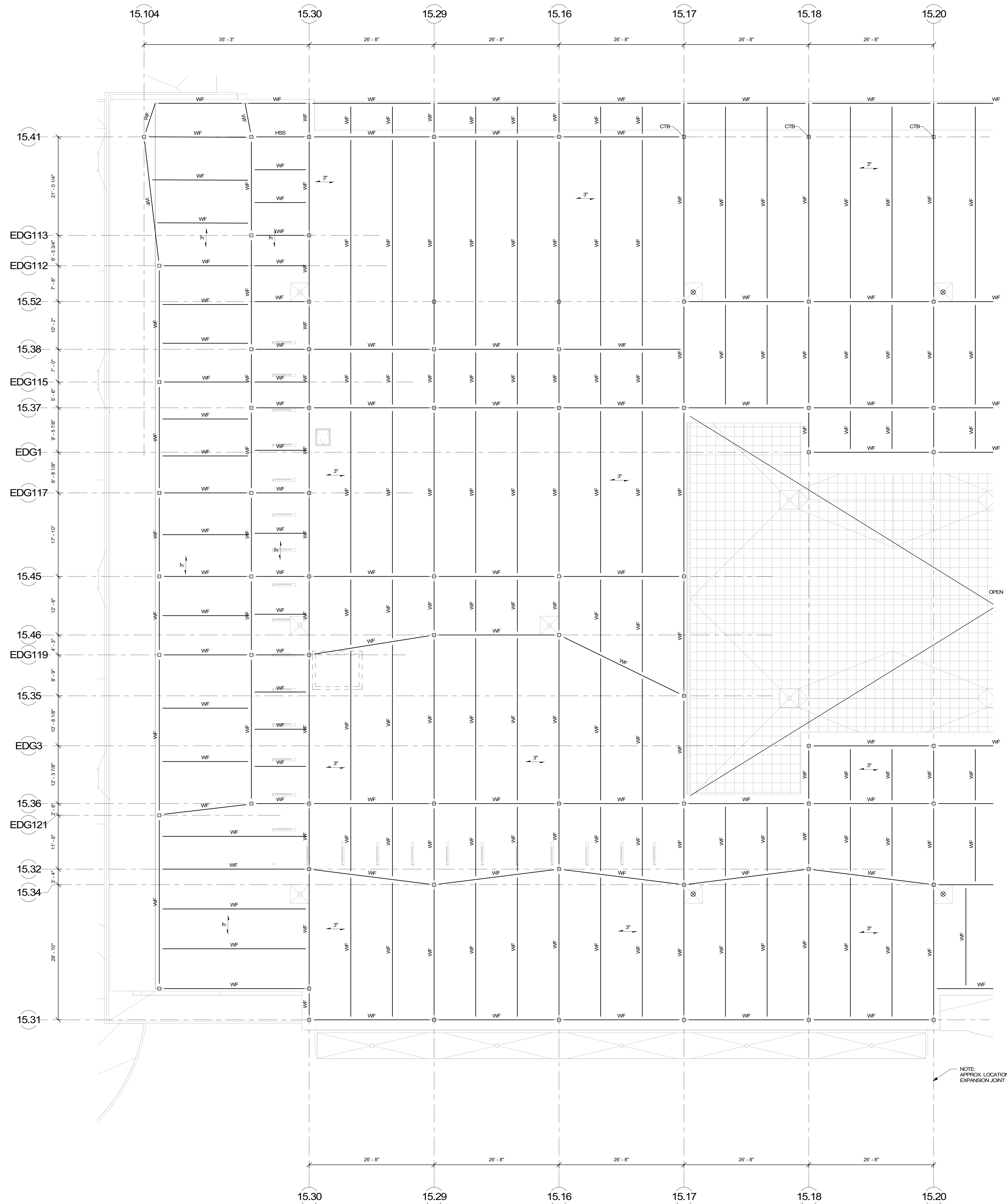
KEY PLAN



FOURTH FLOOR FRAMING PLAN - AREA D

Scale: 1/8" = 1'-0"
 Job No.: 2022
 Drawn By: DRA
 Date: JUNE 17, 2021

S1-1-4D

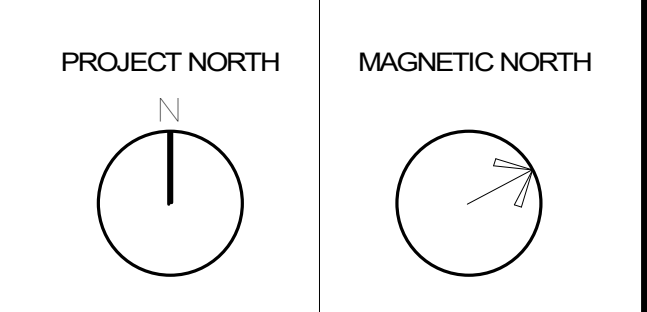
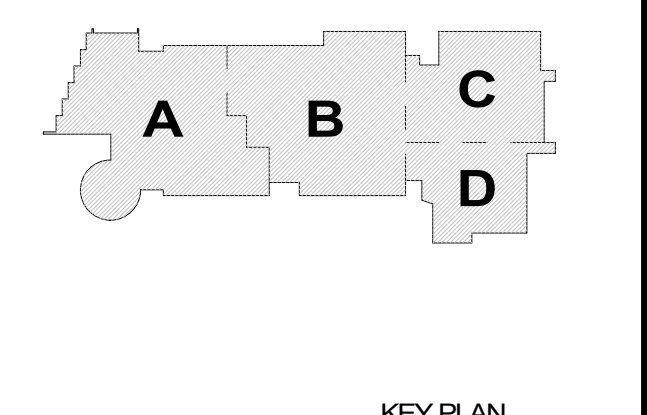


COST NOTE:
 ALLOW FOR 15 PSF FOR TYPICAL STRUCTURAL STEEL BEAMS, GIRDERS, COLUMNS, AND BRACED BAYS ABOVE LEVEL 4. (INCLUDES SHEAR STUDS, MISC. PLATES, ETC.)

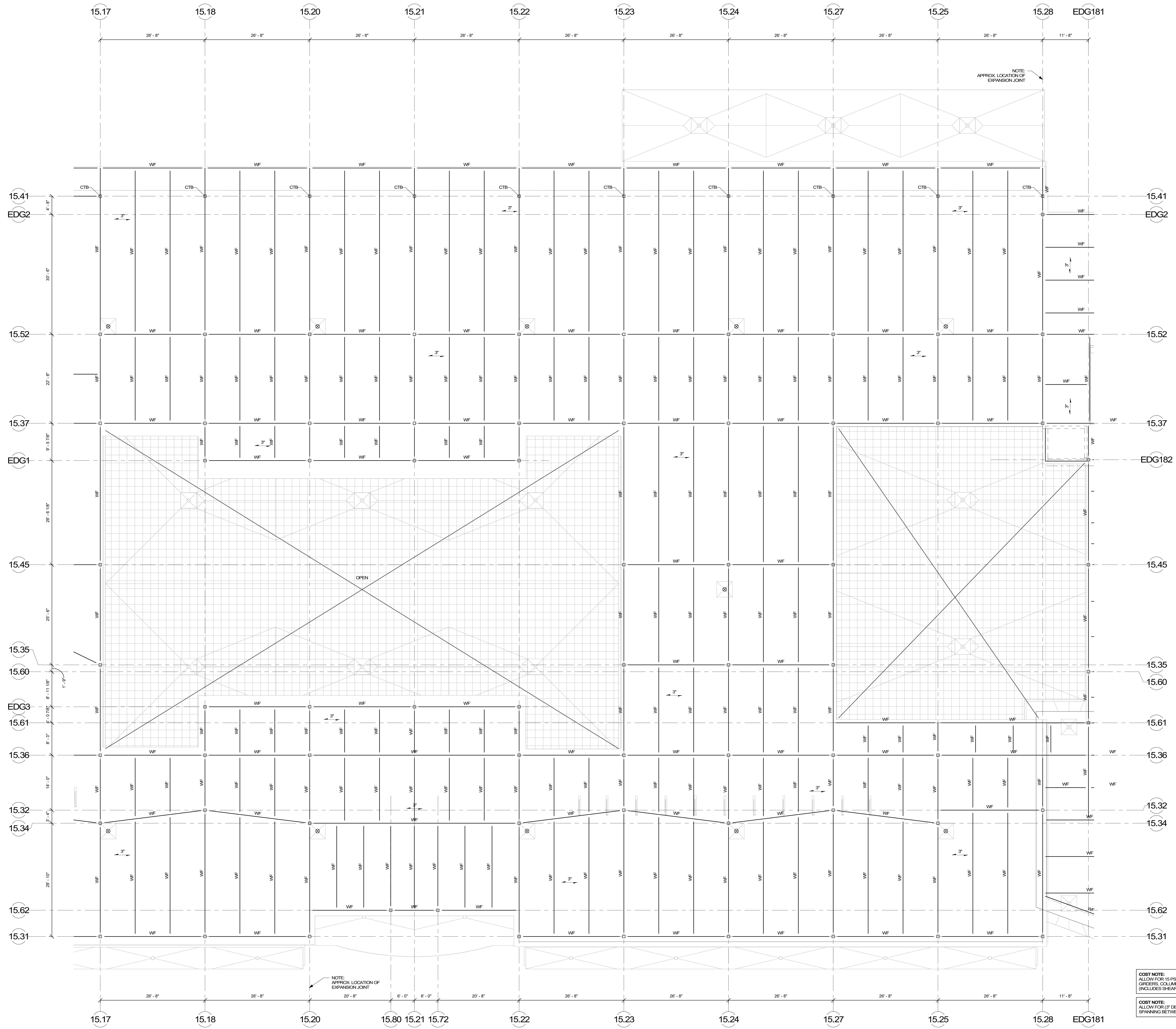
COST NOTE:
 ALLOW FOR 0.7 DEEP, TYPE-N METAL ROOF DECK, SPANNING BETWEEN STRUCTURAL STEEL BEAMS.

© COPYRIGHT 2021 DRUMMEY ROSANE ANDERSON, INC.

MSBA SCHEMATIC DESIGN SUBMITTAL
 JUNE 17, 2021



ROOF FRAMING PLAN - AREA A



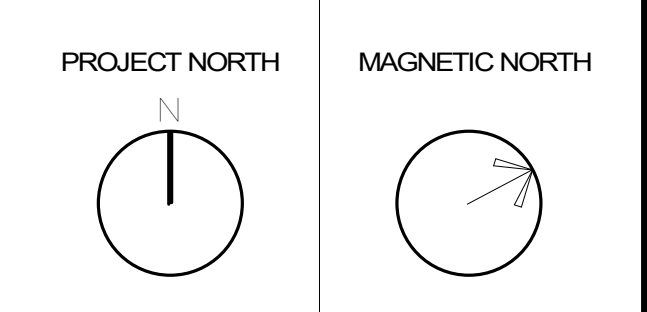
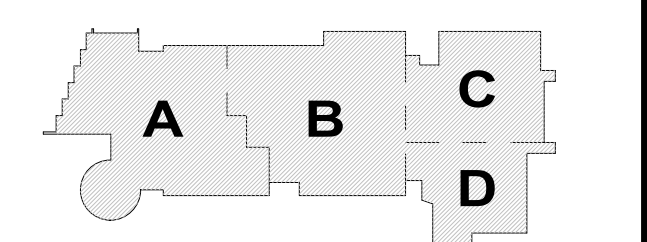
NORTHEAST METRO TECH

100 Hemlock Rd, Wakefield, MA 01880

EDG
 Engineers Design Group Inc.
 Structural Engineers
 350 Main St, 2nd Flr, Malden, MA 02148
 (781) 396-9007, (781) 396-9008 (FAX), EDG@EDGINC.COM

© COPYRIGHT 2021 DRUMMEY ROSANE ANDERSON, INC.

MSBA SCHEMATIC DESIGN SUBMITTAL
 JUNE 17, 2021



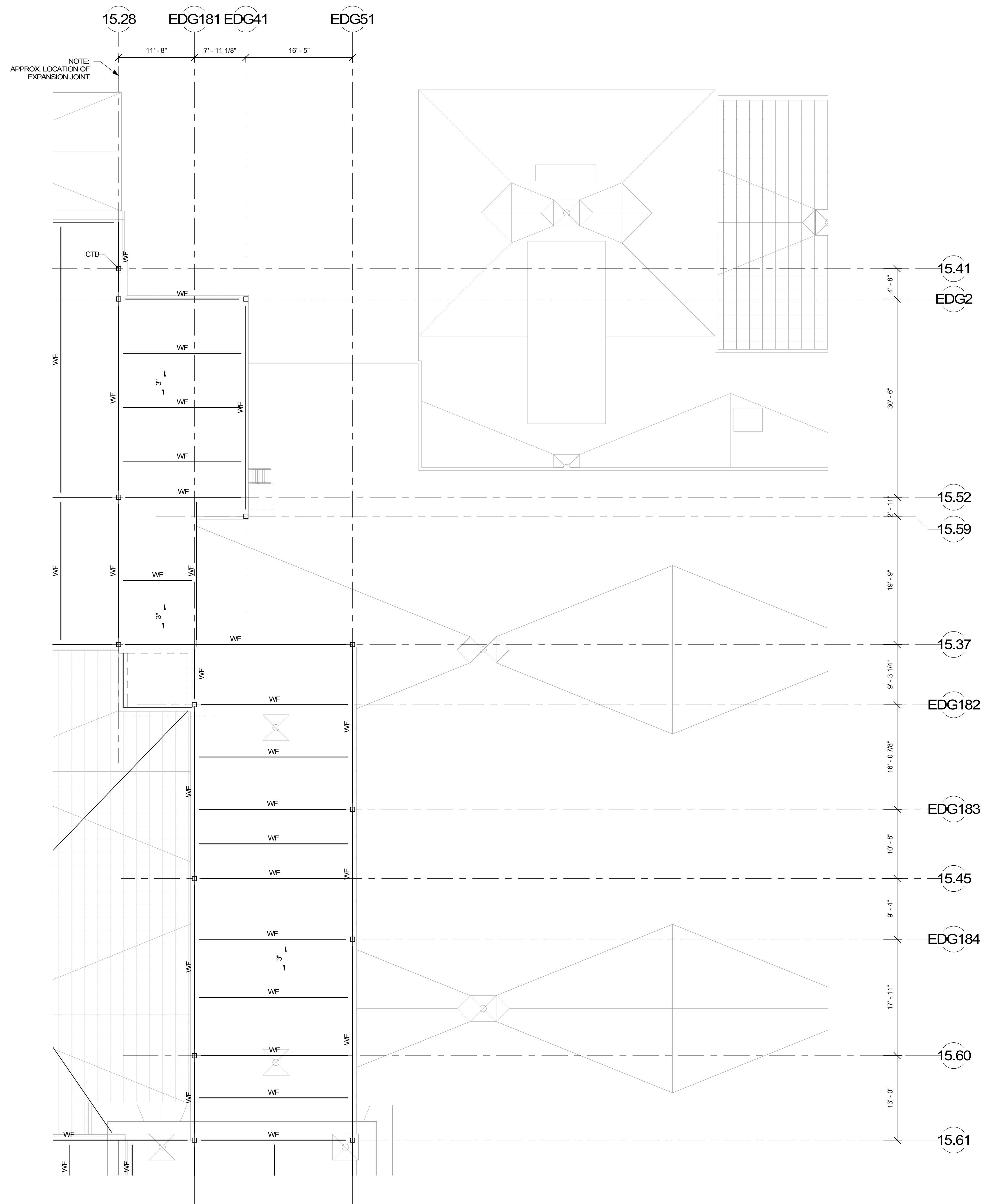
ROOF FRAMING PLAN - AREA B

Scale: 1/8" = 1'-0"
 Job No.: 20202
 Drawn By: DRA
 Date: JUNE 17, 2021
S1-1-5B

COST NOTE:
 ALLOW FOR 15 PSF FOR TYPICAL STRUCTURAL STEEL BEAMS, GIRDERS, COLUMNS, AND BRACED BAYS ABOVE LEVEL 4. (INCLUDES SHEAR STUDS, MISC. PLATES, ETC.)

COST NOTE:
 ALLOW FOR (3" DEEP), TYPICAL METAL ROOF DECK, SPANNING BETWEEN STRUCTURAL STEEL BEAMS.

NOTE: APPROX. LOCATION OF EXPANSION JOINT

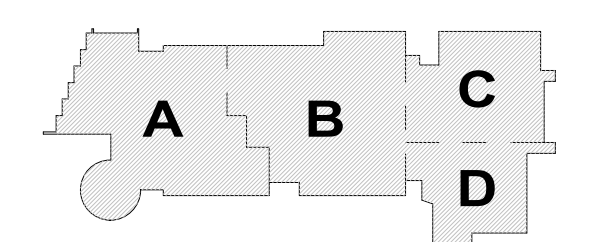


COST NOTE:
 ALLOW FOR 15 PSF FOR TYPICAL STRUCTURAL STEEL BEAMS, GIRDERS, COLLUMS, AND BRACED BAYS ABOVE LEVEL 4 (INCLUDES SHEAR STUDS, MISC. PLATES, ETC.)

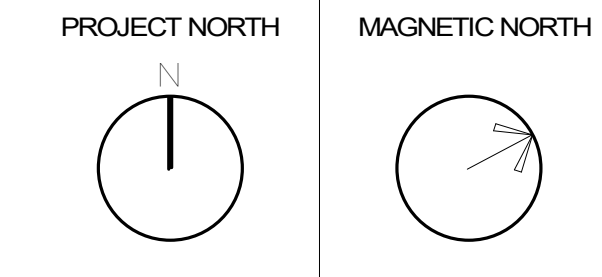
COST NOTE:
 ALLOW FOR 1/2" DEEP, TYPE-N METAL ROOF DECK SPANNING BETWEEN STRUCTURAL STEEL BEAMS.

© COPYRIGHT 2021 DRUMSEY ROSANE ANDERSON, INC.

MSBA
 SCHEMATIC
 DESIGN
 SUBMITTAL
 JUNE 17, 2021



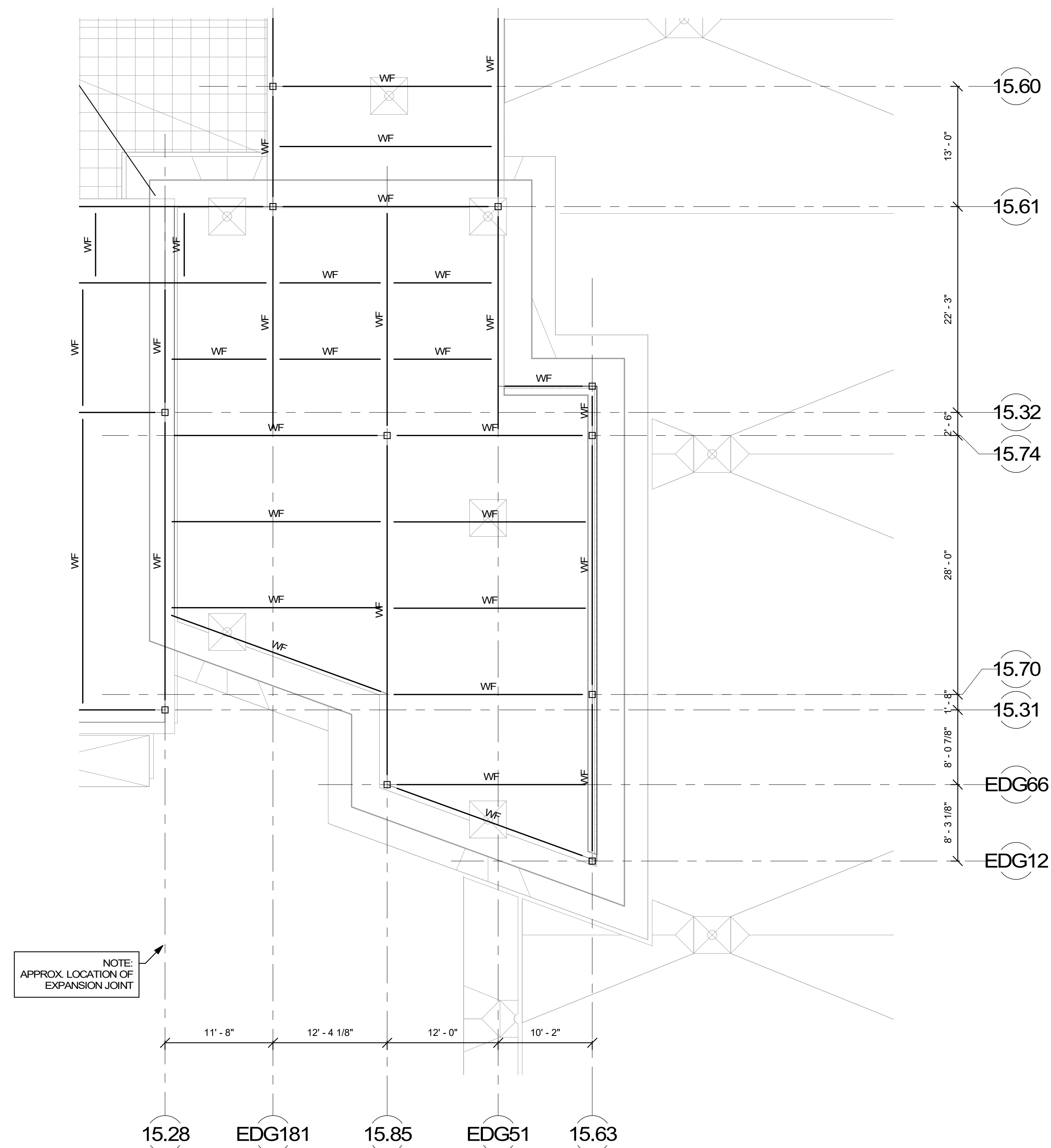
KEY PLAN



ROOF FRAMING PLAN - AREA C

Scale: 1/8" = 1'-0"
 Job No.: 2022
 Drawn By: DRA
 Date: JUNE 17, 2021

S1-1-5C



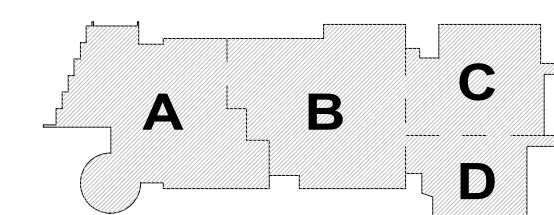
COST NOTE:
 ALLOW FOR 15 PSF FOR TYPICAL STRUCTURAL STEEL BEAMS, GIRDERS, COLUMNS AND BRACED BAYS ABOVE LEVEL 4. (INCLUDES SHEAR STUDS, MSC PLATES, ETC.)

COST NOTE:
 ALLOW FOR (3" DEEP), TYPE-N METAL ROOF DECK, SPANNING BETWEEN STRUCTURAL STEEL BEAMS.

© COPYRIGHT 2021 DRUMSEY ROSANE ANDERSON, INC.

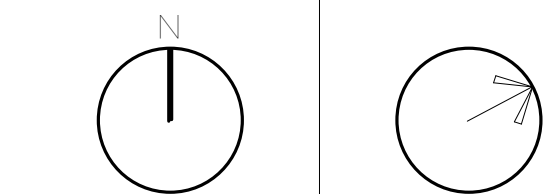
MSBA
 SCHEMATIC
 DESIGN
 SUBMITTAL

JUNE 17, 2021



KEY PLAN

PROJECT NORTH MAGNETIC NORTH



ROOF FRAMING PLAN - AREA D

Scale: 1/8" = 1'-0"
 Job No.: 2022
 Drawn By: DRA
 Date: JUNE 17, 2021

S1-1-5D