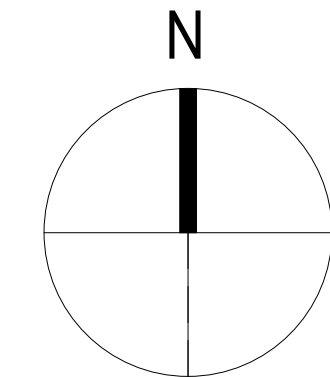


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**Bainbridge Island School  
District**

[illegible]

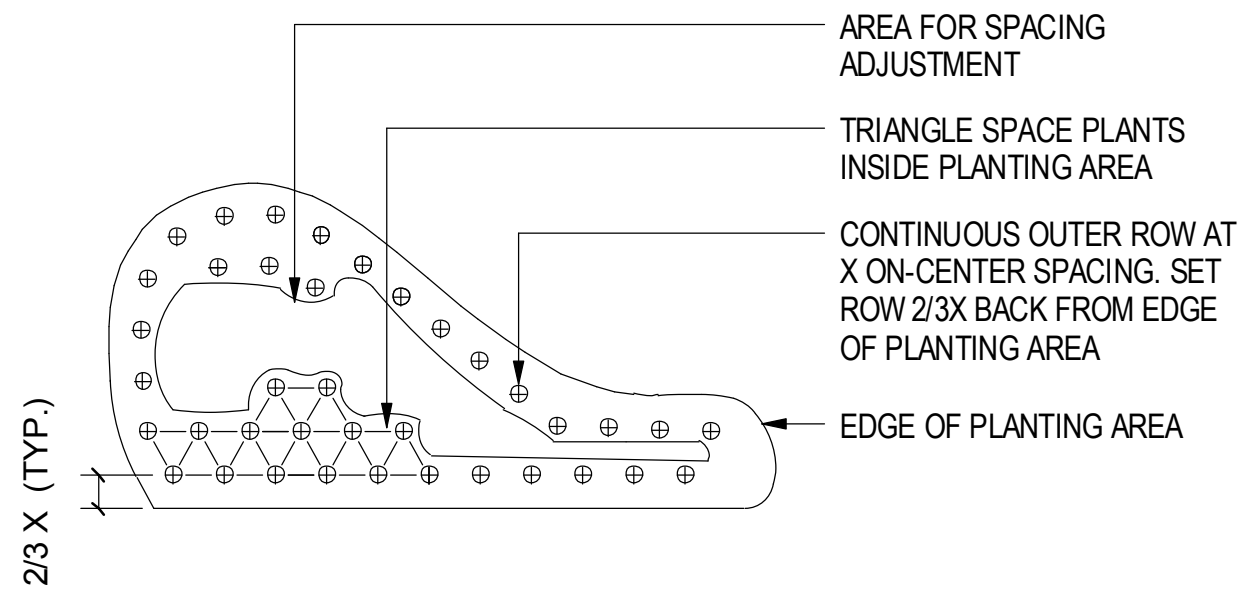
SHEET NUMBER  
**G2.01**  
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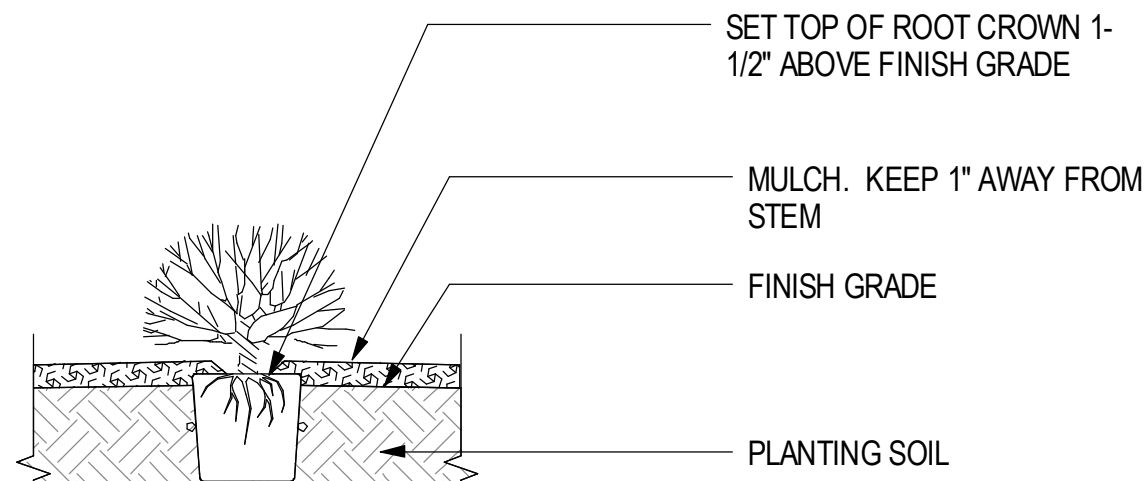




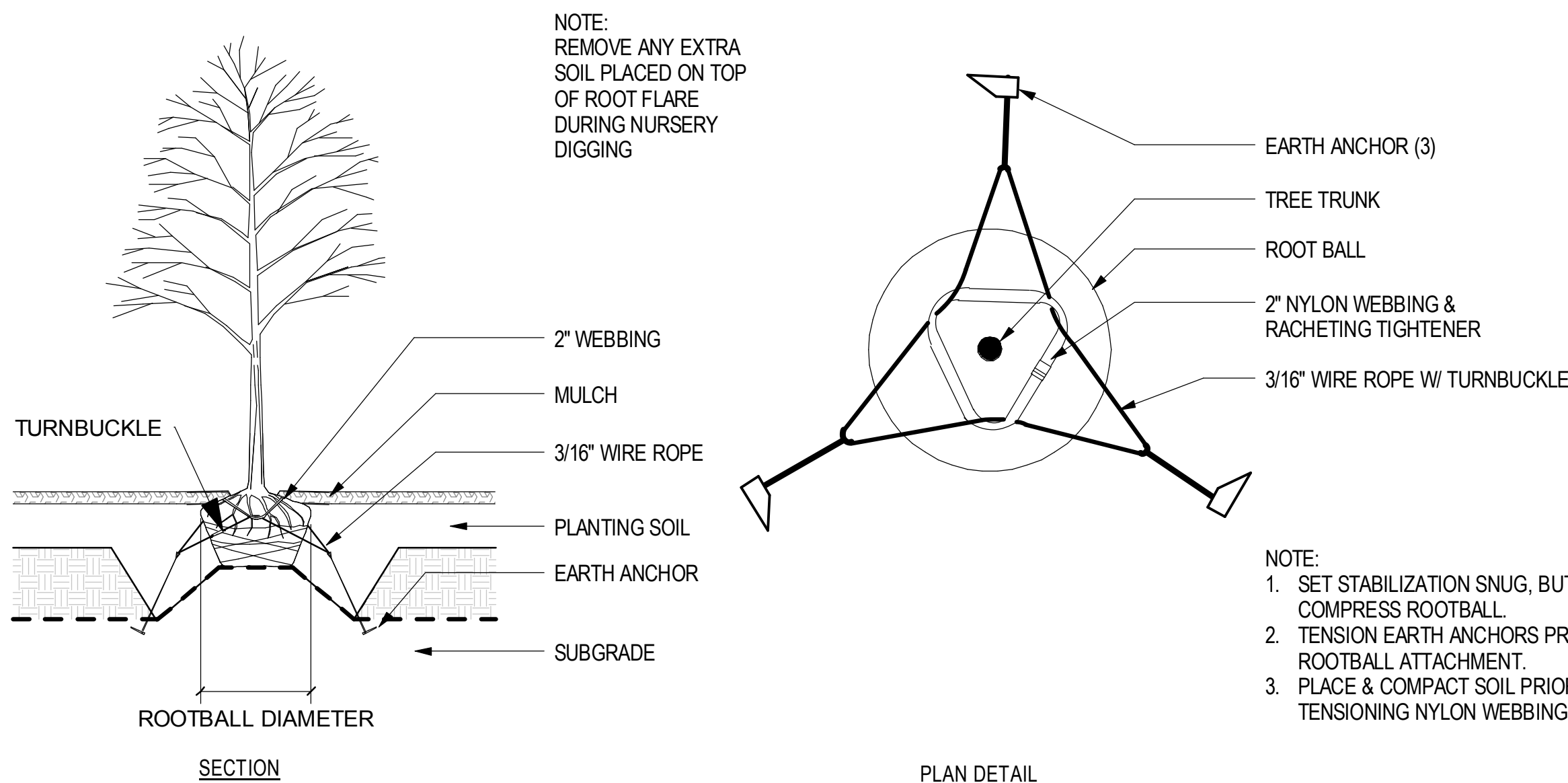
X = RECOMMENDED SPACING  
(SEE PLANT LIST)

⊕ = PLANT LOCATION

## 1 PLANT SPACING

$$1/2^n = 1' - 0^n$$


## 2 SHRUB PLANTING

$$1/2'' = 1'-0''$$


## 2 TREE PLANTING

$$3/8'' = 1'-0''$$

## NOTES

1. TEMPORARY PROTECTIVE FENCING: CHAIN-LINK FENCE INCLUDING POSTS, BRACES AND MESH MAY BE USED, MATERIALS TO FORM A MINIMUM 5 FOOT HIGH ENCLOSURE.

2. SIGNS: WEATHER RESISTANT, 2-FEET X 3-FEET, FLUORESCENT GREEN OR YELLOW SIGNS THAT IDENTIFY TREE PRESERVATION AREA AND LIST RESTRICTIONS. SIGN SHALL BE PERMANENTLY AFFIXED TO A 4' X 4' BOARD THAT IS PAINTED FLUORESCENT GREEN OR YELLOW.

3. MULCH: INSTALL MULCH WITHIN ROOT ZONES OF EXISTING TREES AFFECTED BY CONSTRUCTION AS DIRECTED BY LANDSCAPE ARCHITECT.

4. VSPZ PRESERVATION PLAN: FOLLOWING THE PREINSTALLATION SITE MEETING, A VSPZ PLAN FORMULATED BY THE CONTRACTOR'S ARBORIST WILL BE SUBMITTED FOR APPROVAL BY LANDSCAPE ARCHITECT AND OWNER'S REPRESENTATIVE PRIOR TO COMMENCEMENT OF ANY SITE WORK. THE VSPZ PLAN SHALL BE BASED ON THE VSPZ PROTECTION DRAWING FROM THE BID DOCUMENTS, AND SHALL INCLUDE CONSTRUCTION STAGING AND HAIL ROUTES, WHICH MAY IMPACT TREES, ANY OTHER PERTINENT INFORMATION AS REQUIRED TO EVALUATE EXISTING AND PROPOSED CONDITIONS AS THEY RELATE TO EXISTING VEGETATION AND SOIL HEALTH

5. WHERE EXCAVATION FOR NEW CONSTRUCTION IS REQUIRED WITHIN VSPZ ZONES, NOTIFY OWNER'S REPRESENTATIVE AT LEAST 2 DAYS IN ADVANCE.

6. AT UTILITY TRENCHES: TUNNEL UNDER OR AROUND ROOTS BY DRILLING, AUGER BORING, PIPE JACKING, AIR SPADING, VACUUMING OR DIGGING BY HAND.

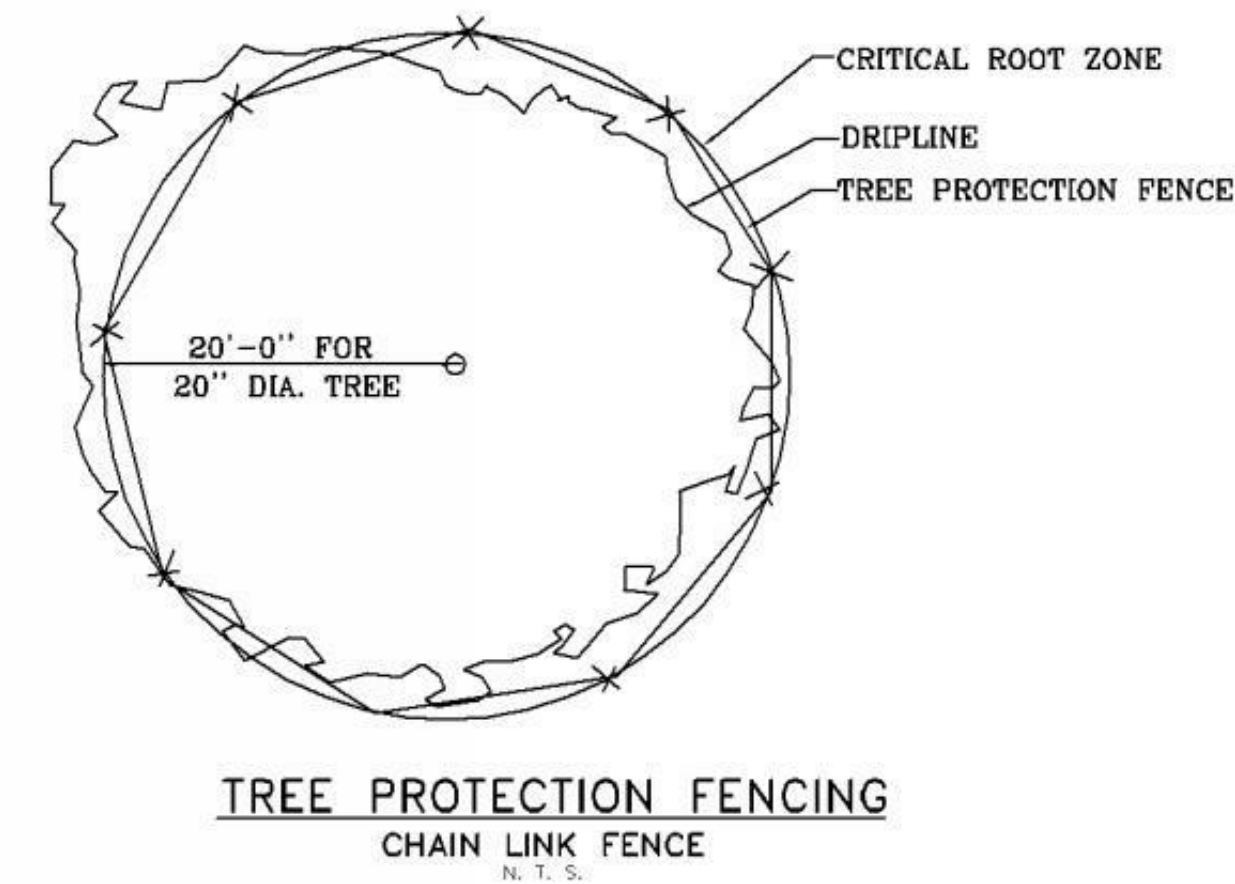
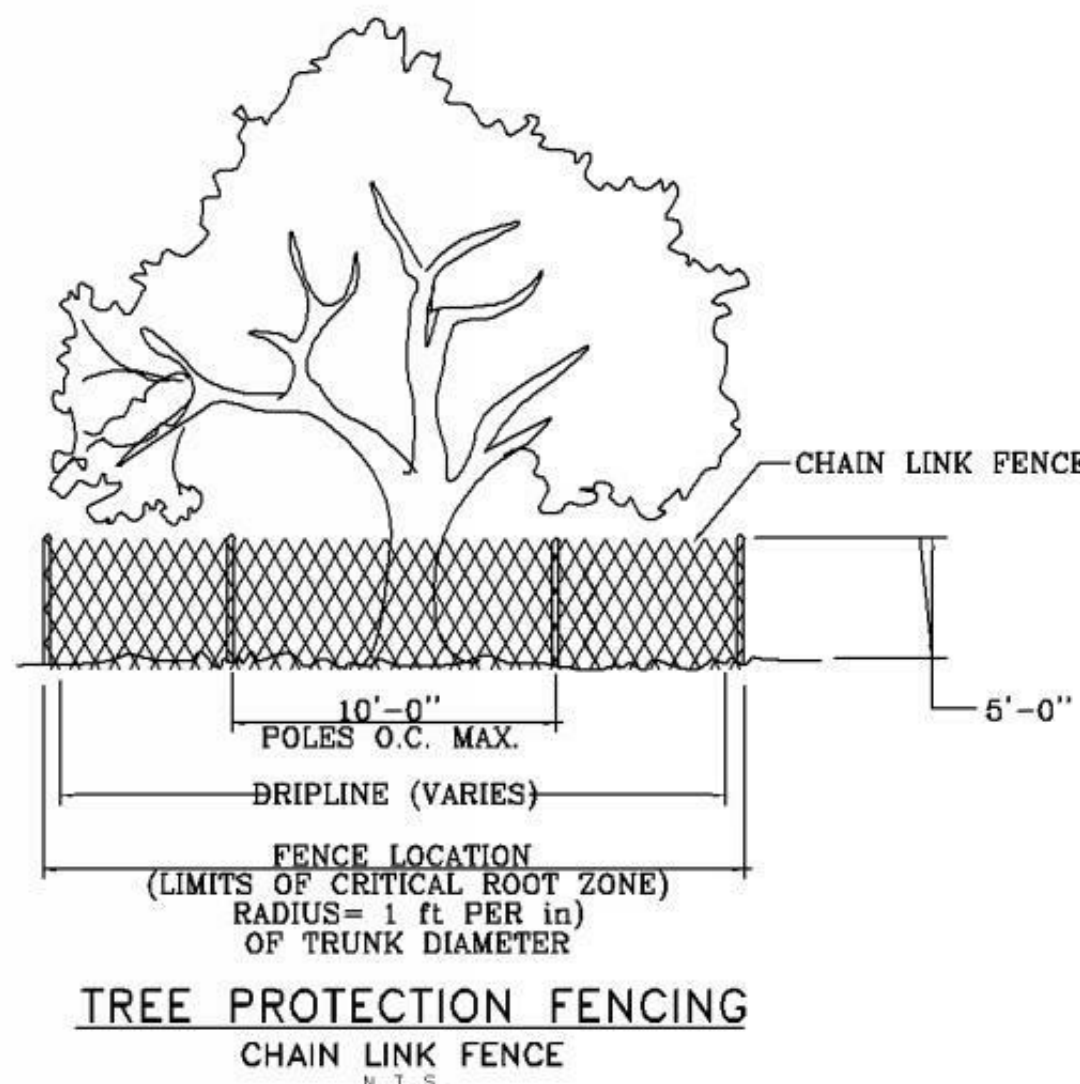
7. FOR DAMAGES TO TREES REMAINING: PAY ASSESSMENT FOR DAMAGES TO THE CROWN, TRUNK OR ROOT SYSTEM OF ANY TREE TO REMAIN THAT ARE THE RESULT OF THE CONTRACT'S FAILURE TO PROTECT AND/OR MAINTAIN SUCH TREE IF THE OWNER ELECTS TO RETAIN THE TREE AND HOLD THE CONTRACTOR LIABLE FOR COMPENSATION.

8. THE DOLLAR VALUE OF DAMAGES WILL BE DETERMINED BY A CERTIFIED ARBORIST AND IN ACCORDANCE WITH THE GUIDE FOR PLANT APPRAISAL, AUTHORED BY THE COUNCIL OF TREE AND LANDSCAPE APPRAISERS.

9. ALL BIORETENTION SUBGRADE PREP AND SOILS INSTALLATION SHALL OCCUR AFTER BUILDING CONSTRUCTION IS COMPLETE. ONCE PLACED, DO NOT TRAVERSE WETLAND PLANTING SOILS WITH EQUIPMENT OR MACHINERY

**PROHIBITED ACTIVITIES WITHIN VSPZ ZONES:**

1. RUNOFF, SPILLAGE OR DUMPING OF ANY MATERIALS FROM MIXING PLACING, OR STORING CONSTRUCTION MATERIALS.
2. PONDING, ERODING, OR EXCESSIVE WETTING CAUSED BY DEWATERING OPERATIONS
3. STORAGE OF VEHICLES, CONSTRUCTION MATERIALS, DEBRIS, OR EXCAVATED MATERIAL.
4. VEHICLE OR FOOT TRAFFIC.
5. GRADING ACTIVITIES.
6. TRENCHING.
7. EXCAVATION.
8. FIRES.
9. CLEARING OF VEGETATION EXCEPT BY HAND, IF REQUIRED.
10. ANY OTHER ACTIVITIES THAT MAY CAUSE SOIL COMPACTION OR DAMAGE TO TREES.



## TREE PROTECTION DETAIL

PLANTED AREA	SPACING	SCIENTIFIC NAME	COMMON NAME	SIZE
MEADOW MIX	36" O.C.			
		PANICUM VIRGATUM	SWITCHGRASS	1 GALLON
		PENNISETUM ALOPECUROIDES	FOUNTAIN GRASS	1 GALLON
		FESTUCA GLAUCA	BLUE FESCUE	1 GALLON
		MISCANTHUS SINENSIS	JAPANESE SILVER GRASS	1 GALLON
NATIVE NORTHWEST FOREST CANOPY - HIGH	n/a			
		PSEUDOSTUGA MENZIESII	DOUGLAS FIR	8'-10' H
		TSUGA HETEROPHYLLA	WESTERN HEMLOCK	8'-10' H
		THUJA PLICATA	WESTERN RED CEDAR	8'-10' H
NATIVE NORTHWEST FOREST CANOPY - LOW	n/a			
		CORNUS NUTTALLII	PACIFIC DOGWOOD	2.5" CALIPER
		ACER CIRCINATUM	VINE MAPLE	2.5" CALIPER
NATIVE NORTHWEST FOREST UNDERSTORY	36" O.C.			
		AMELANCHIER ALNIFOLIA	SERVICEBERRY	1 GALLON
		GAULTHERIA SHALLON	SALAL	1 GALLON
		HOLODISCUS DISCOLOR	OCEANSPRAY	1 GALLON
		MAHONIA NERVOSA	LOW OREGON GRAPE	1 GALLON
		PHYSOCARPUS CAPITATUS	PACIFIC NINEBARK	1 GALLON
		SYMPHORICARPOS ALBUS	SNOWBERRY	1 GALLON
		POLYSTICHUM MUNITUM	WESTERN SWORD FERN	1 GALLON
BIORETENTION	24" O.C.			
		CORNUS SERICEA OR SYM.	RED-OSIER DOGWOOD	1 GALLON
		JUNCUS PATENS OR SYM	SPREADING RUSH	1 GALLON
		CAREX COMANS OR SYM	HAIR SEDGE	1 GALLON
		SCIRPUS MICROCARPUS	SMALL-FRUITED BULRUSH	1 GALLON
		ATHYRIUM MODESTUS	LADY FERN	1 GALLON
		PANICUM VIRGATUM	SWITCHGRASS	1 GALLON
ORNAMENTAL PLANTINGS				
		HYDRANGEA QUERCIFOLIA	OAKLEAF HYDRANGEA	1 GALLON
		SPIRAEA DOUGLASSII	DOUGLAS SPIREA	1 GALLON
		ARCTOSTAPHYLOS UVA-URSI	BEARBERRY	1 GALLON

## PLANT LIST

EXISTING TREES	DBH	TREE UNIT	ARBORIST NOTES	LANDSCAPE BUFFER
CEDAR	20"	3.8		YES
FIR	10"	1.2		NO
FIR	20"	3.8		NO
?	12"	1.4		NO
FIR	10"	1.2		NO
ALDER	12"	1.4		NO
FIR	14"	2		NO
ALDER	18"	3.2		NO
FIR	10"	1.2		NO
FIR	10"	1.2		NO
FIR	14"	2		NO
ALDER	10"	1.2		NO
ALDER	12"	1.4		NO
ALDER	12"	1.4		NO
ALDER	12"	1.4		NO
MAPLE	14"	2		NO
ALDER	12"	1.4		NO
ALDER	12"	1.4		NO
ALDER	12"	1.4		NO
FIR	20"	3.8		NO
FIR	12"	1.4		NO
OAK	22"	4.6		NO
HEMLOCK	10"	1.2	CANDIDATE FOR REMOVAL	NO
HEMLOCK	12"	1.4	CANDIDATE FOR REMOVAL	NO
MAPLE	5"	1	CANDIDATE FOR REMOVAL	NO
PINE	24"	6.2		NO
MAPLE	16"	3.2		NO
PINE	36"	9.6		NO
CEDAR	36"	9.6	CANDIDATE FOR REMOVAL	NO
CEDAR	30"	8.4	CANDIDATE FOR REMOVAL	NO
CEDAR	24"	6.2		NO
ALDER	12"	1.4	CANDIDATE FOR REMOVAL	YES
ALDER	12"	1.4	CANDIDATE FOR REMOVAL	YES
ALDER	12"	1.4	CANDIDATE FOR REMOVAL	YES
ALDER	14"	2	CANDIDATE FOR REMOVAL	NO
ALDER	12"	1.4	CANDIDATE FOR REMOVAL	NO
CEDAR	36"	9.6	CANDIDATE FOR REMOVAL	NO
CEDAR	28"	7	CANDIDATE FOR REMOVAL	NO
CEDAR	30"	8.4		NO
CEDAR	26"	6.2	CANDIDATE FOR REMOVAL	NO
CEDAR	24"	6.2	CANDIDATE FOR REMOVAL	NO
CEDAR	24"	6.2		NO
CEDAR	30"	8.4		NO
ALDER	12"	1.4	CANDIDATE FOR REMOVAL	NO
ALDER	16"	3.2	CANDIDATE FOR REMOVAL	NO
MAPLE	12"	1.4	CANDIDATE FOR REMOVAL	NO
?	x	x	CANDIDATE FOR REMOVAL	X
ALDER	16"	3.2	CANDIDATE FOR REMOVAL	NO
?	14"	2		NO
MAPLE	19"	3.8		NO
?	18"	3.2		NO
ALDER	12"	1.4		NO
REDWOOD	30"	7.8		NO
ALDER	8"	1.2		NO
REDWOOD	12"	1.4		NO
CEDAR	10"	1.2		NO
REDWOOD	18"	3.2		NO
184.6				

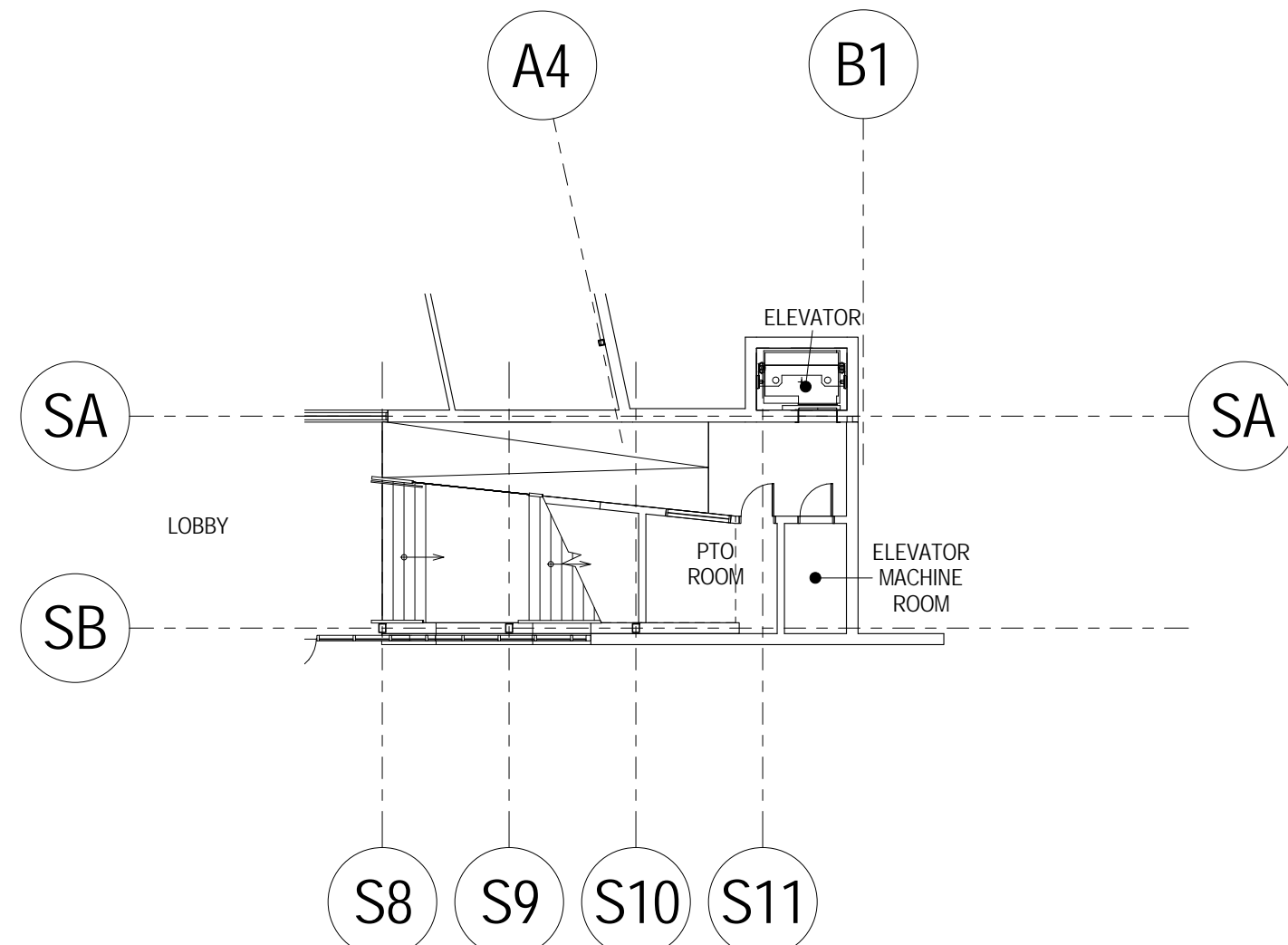
## SITE TREE UNIT SCHEDULE

PREPARED FOR  
**Bainbridge Island School  
District**

DESIGN PARTNER  
RF  
PROJECT MANAGER  
MF  
PROJECT ARCHITECT  
SK  
PROJECT DESIGNER  
ME  
PROJECT TEAM MEMBERS

CHECK

SHEET NUMBER  
**A2.01**  
DESIGN DEVELOPMENT  
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# 1 OVERALL PLAN LEVEL 01

0 8'

Scale: 1/16" = 1'-0"

PROJECT  
NORTH



NOT FOR CONSTRUCTION



LOCATION  
4704 Blakely Avenue  
Bainbridge Island, WA  
98110

NO.	DATE	REVISION
1	06.30.2017	DD ADDENDUM #1

DESIGN PARTNER  
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PROJECT MANAGER  
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PROJECT NO.  
**1622400**  
DATE  
**06/30/17**

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**A2.02**  
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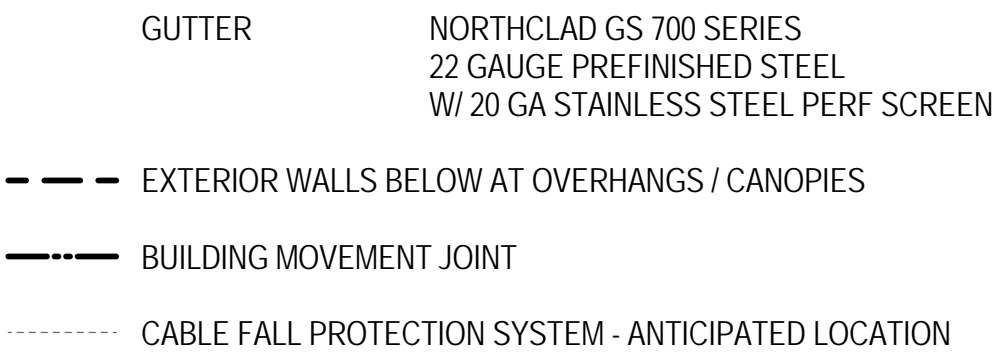
NOT FOR CONSTRUCTION

1 OVERALL PLAN LEVEL 02  
1/16" = 1'-0"

[illegible]

## GENERAL ROOF PLAN NOTES

1. SEE STRUCTURAL DRAWINGS AND A5.01 FOR ROOFING ASSEMBLY DESCRIPTIONS
2. ALL ROOFS TO DRAIN TO SCUPPERS, GUTTERS AND/OR DOWNSPOUTS
3. SPOT ELEVATIONS ARE RELATIVE TO SEA LEVEL
4. DOWNSPOUTS AT PARAPET WALLS SHALL HAVE A THROUGH WALL SCUPPER WITH FULLY SEALED JOINTS
5. SLOPED INSULATION SHALL BE USED TO CRICKET AROUND ROOF OBJECTS SUCH AS SKYLIGHTS, AND TO SCUPPERS.
6. REFERENCE MECHANICAL PLANS FOR ADDITIONAL ROOFTOP EQUIPMENT




# 1 OVERALL ROOF PLAN

0 8' 16' 32'

Scale: 1/16" = 1'-0"

PROJECT NORTH



## TITLE

# OVERALL ROOF PLAN

PROJECT NO.  
1622400  
DATE  
06/30/17

SHEET NUMBER  
**A2.03**  
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PROJECT  
**Blakely Elementary  
School**

LOCATION  
**4704 Blakely Avenue  
Bainbridge Island, WA  
98110**

PREPARED FOR  
**Bainbridge Island School  
District**

NO.	DATE	REVISION
1	06.30.2017	DD ADDENDUM #1

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RF  
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SK  
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ME  
PROJECT TEAM MEMBERS

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# BUILDING ELEVATIONS

PROJECT NO.  
**1622400**  
DATE  
**06/30/17**

SHEET MASTER

# A3.01

DESIGN DEVELOPMENT

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ORIGINAL SHEET SIZE 30" x 42"

1. SEE A5 01 FOR EXTERIOR ASSEMBLY DESCRIPTIONS
2. ALL WINDOWS TO BE SW-1 (ALUMINUM FRAMED STOREFRONT) U.N.O.
3. NOT USED
4. ALL INTERIOR SPACES WITH EXTERIOR WINDOWS TO BE NATURALLY VENTILATED VIA OPERABLE WINDOWS. NOT ALL LOCATIONS OF OPERABLE PANELS OPERABLE WINDOW AND FRAME ARE IDENTIFIED ON DRAWINGS. ASSUME ONE SMALL OPERABLE WINDOW PER VENTILATED WINDOW BAY AT ALL LOCATIONS
5. WHERE FINISH FLOOR IS BELOW ADJACENT GRADE, PROVIDE CONCRETE STEM WALL WITH W-1 ASSEMBLY.



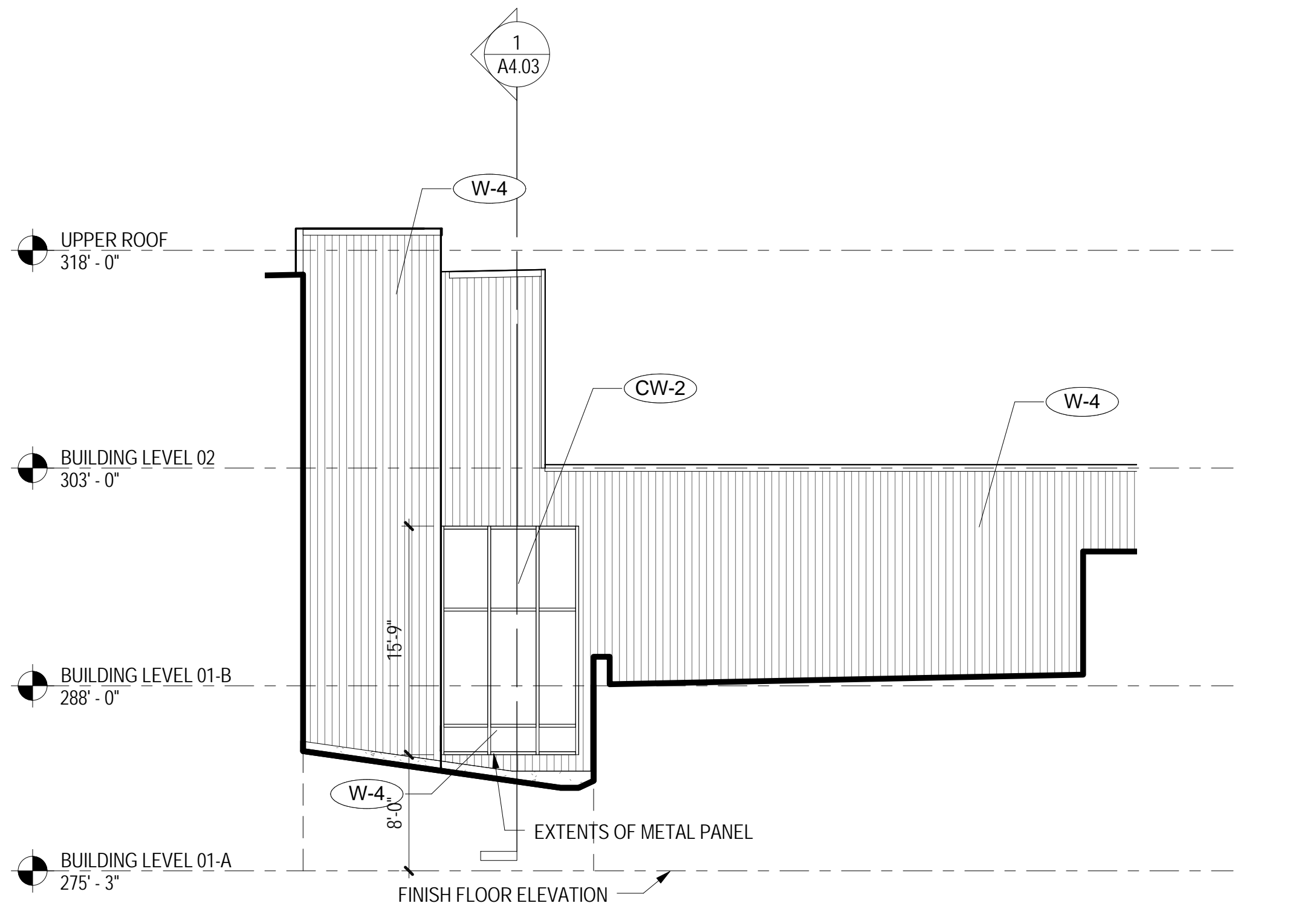
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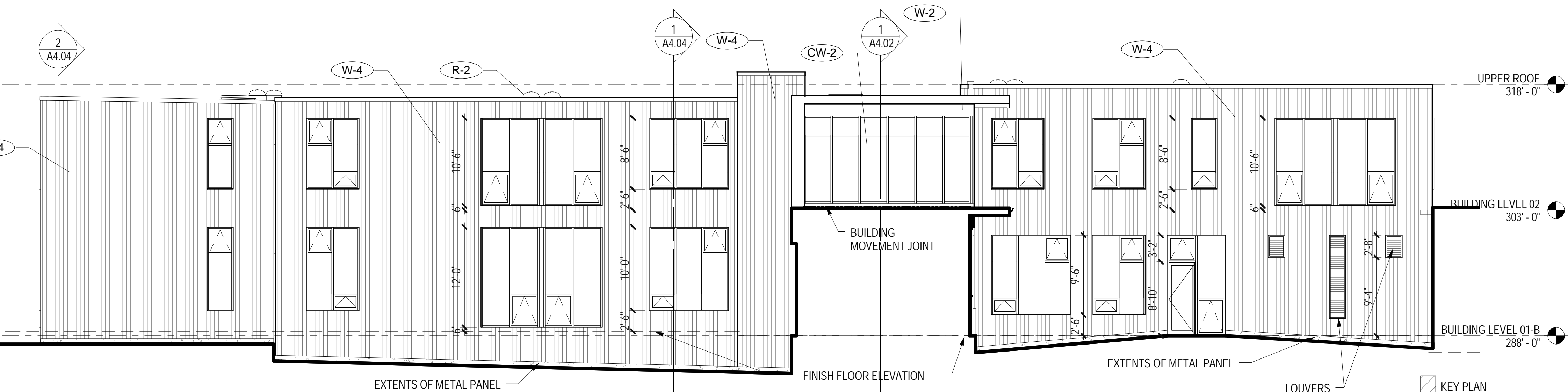


BUILDING ELEVATION NOTES

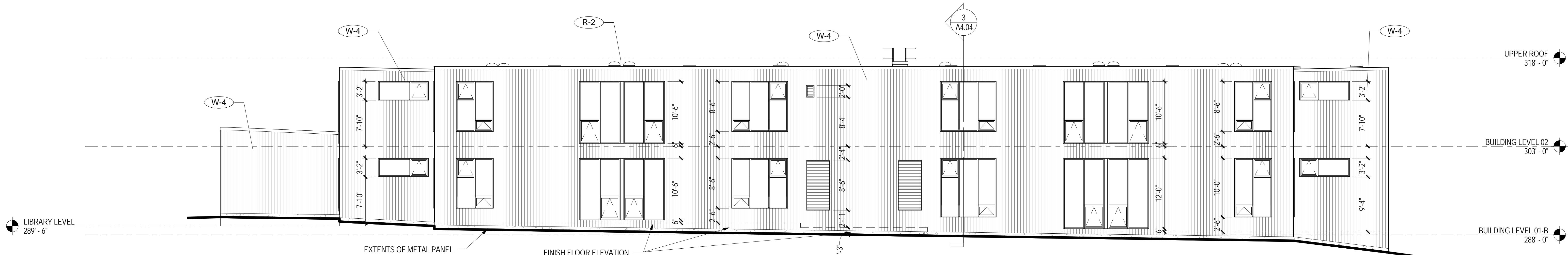
1. SEE A5.01 FOR EXTERIOR ASSEMBLY DESCRIPTIONS
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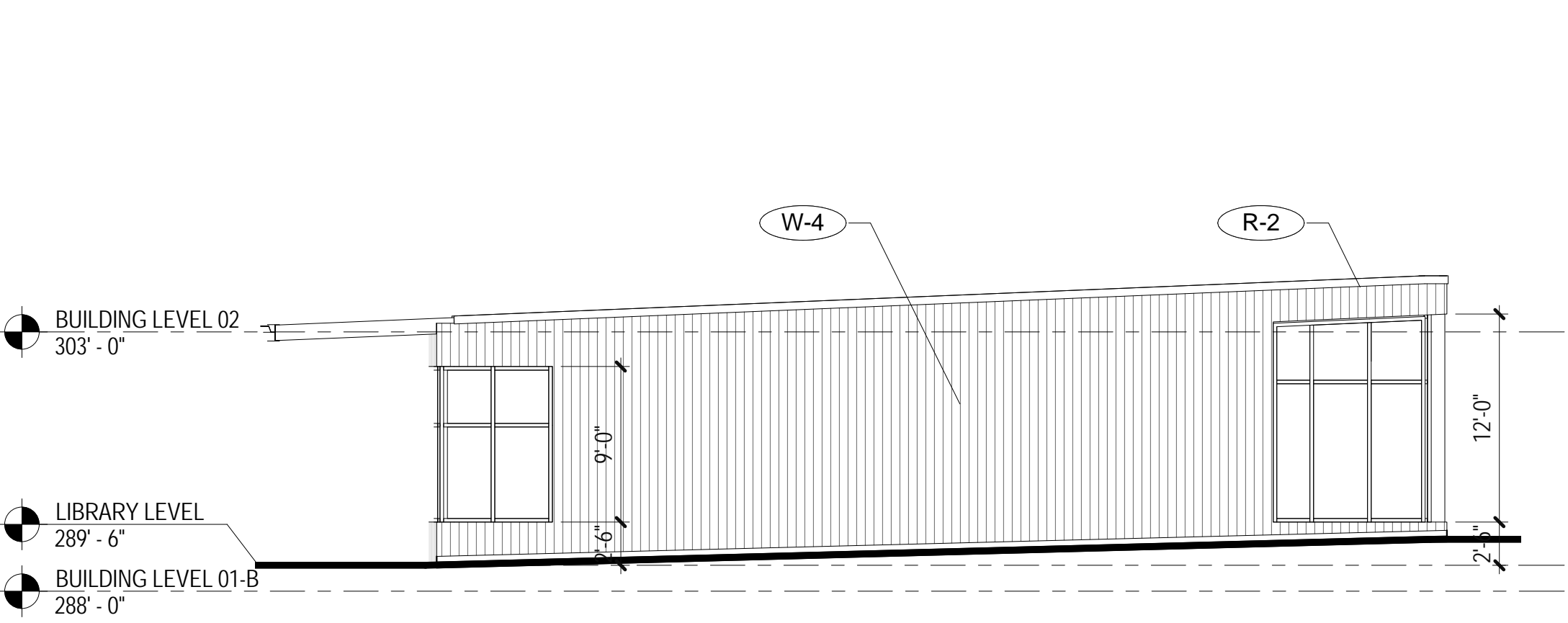
6 EXTERIOR ELEVATION - NORTH - SPINE PARTIAL  
1/8" = 1'-0"



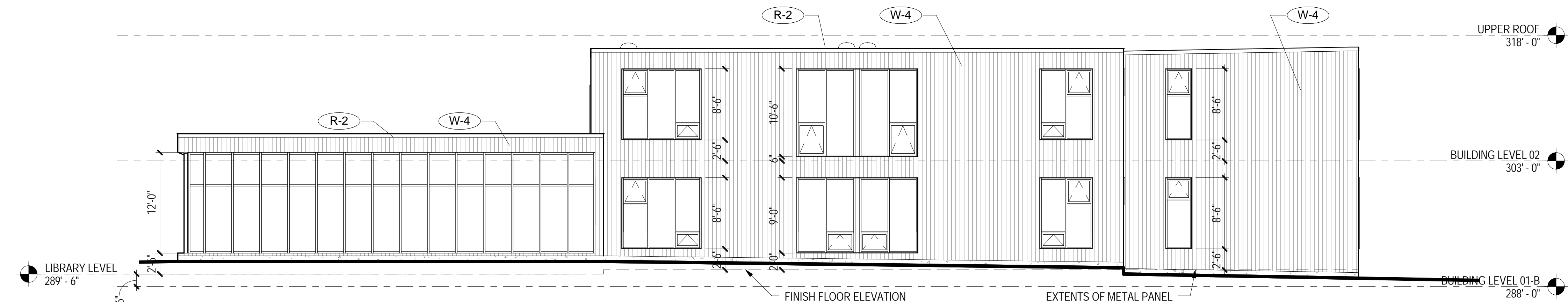
7 EXTERIOR ELEVATION - WEST - CLASSROOM WING  
1/8" = 1'-0"



11 EXTERIOR ELEVATION - NORTH - CLASSROOM WING  
1/8" = 1'-0"



16 EXTERIOR ELEVATION - SOUTH - LIBRARY  
1/8" = 1'-0"



19 EXTERIOR ELEVATION - EAST - CLASSROOM WING  
1/8" = 1'-0"

NO.	DATE	DESCRIPTION
1	06.30.2017	DD ADDENDUM #1

DESIGN PARTNER	RF
PROJECT MANAGER	MF
PROJECT ARCHITECT	SK
PROJECT DESIGNER	ME
PROJECT TEAM MEMBERS	

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BUILDING ELEVATIONS

PROJECT NO.  
1622400  
DATE  
06/30/17

SHEET NUMBER  
A3.02

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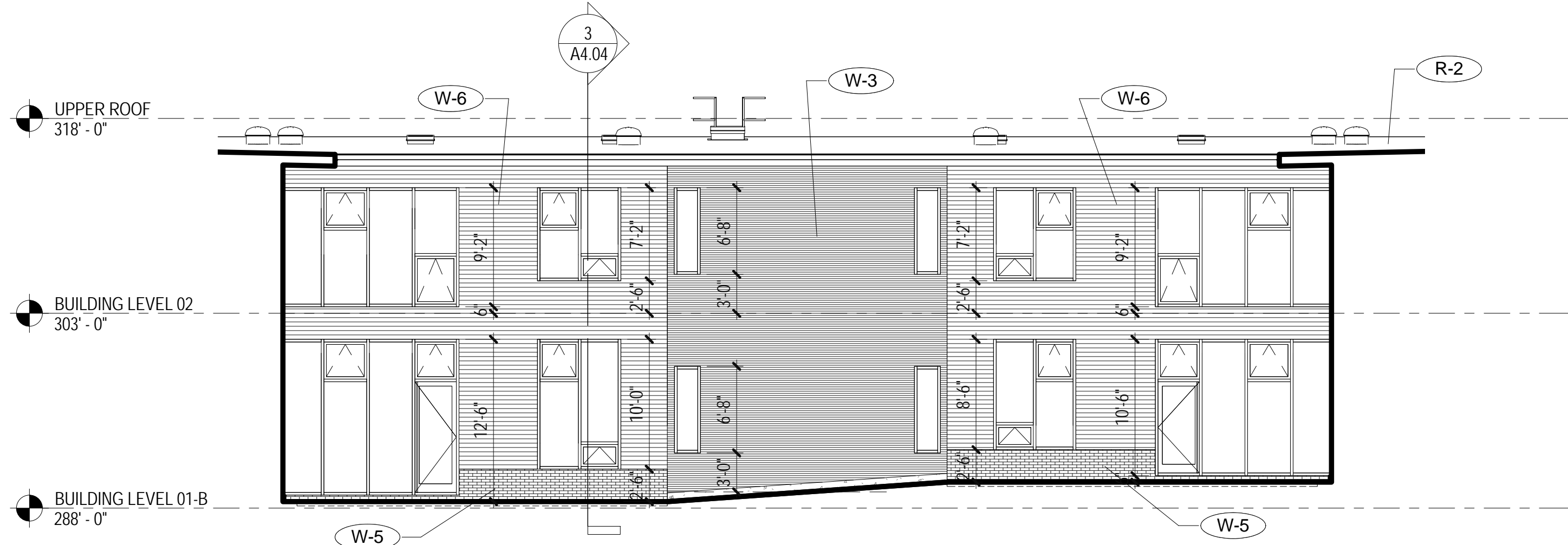


BUILDING ELEVATION NOTES

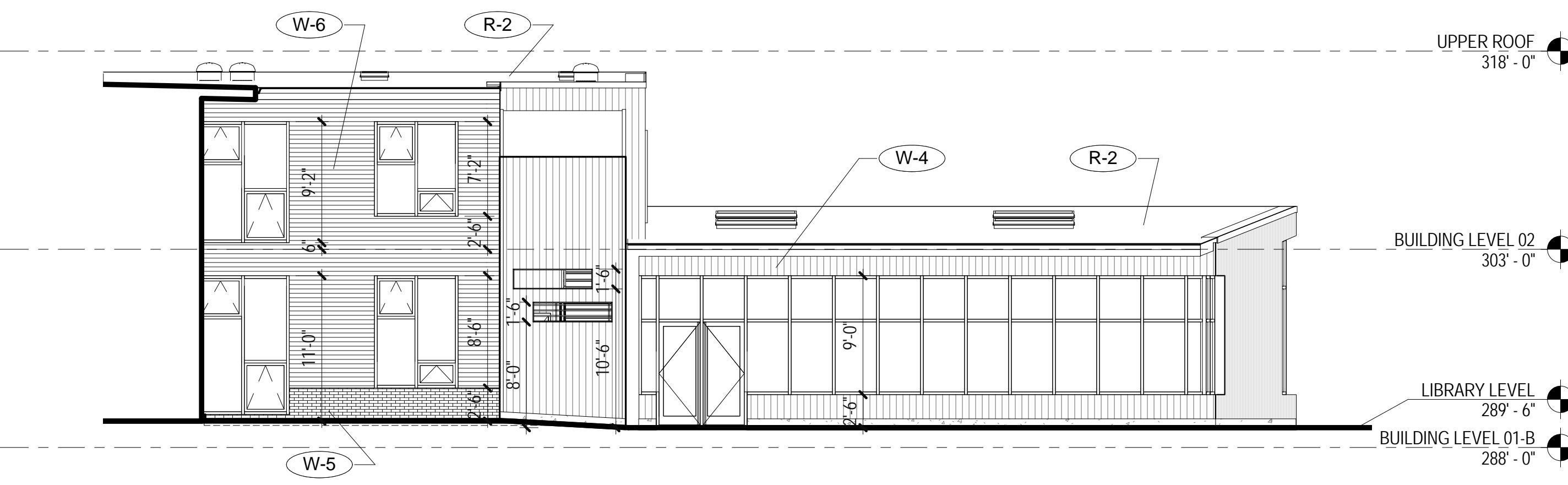
1. SEE A5.01 FOR EXTERIOR ASSEMBLY DESCRIPTIONS
2. REFER TO STRUCTURAL DRAWINGS FOR FOOTING ELEVATIONS
3. ALL WINDOWS TO BE GL-1 (STOREFRONT) U.N.O.
4. WINDOW SYSTEMS TALLER THAN 13' TO BE CURTAINWALL
5. ALL INTERIOR SPACES WITH EXTERIOR WINDOWS TO BE NATURALLY VENTILATED VIA OPERABLE WINDOWS. NOT ALL LOCATIONS OF OPERABLE PANES WITHIN WINDOW ASSEMBLIES ARE IDENTIFIED ON DRAWINGS. ASSUME ONE SMALL OPERABLE WINDOW PER VERTICAL WINDOW BAY AT ALL LOCATIONS
6. WHERE FINISH FLOOR IS BELOW ADJACENT GRADE, PROVIDE CONCRETE STEM WALL WITH W-1 ASSEMBLY.

PROJECT  
**Blakely Elementary School**  
LOCATION  
**4704 Blakely Avenue  
Bainbridge Island, WA  
98110**

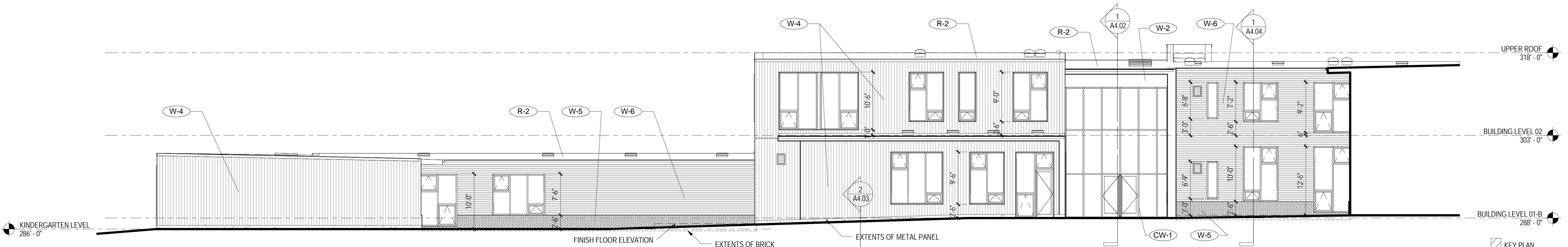
PREPARED FOR  
**Bainbridge Island School District**



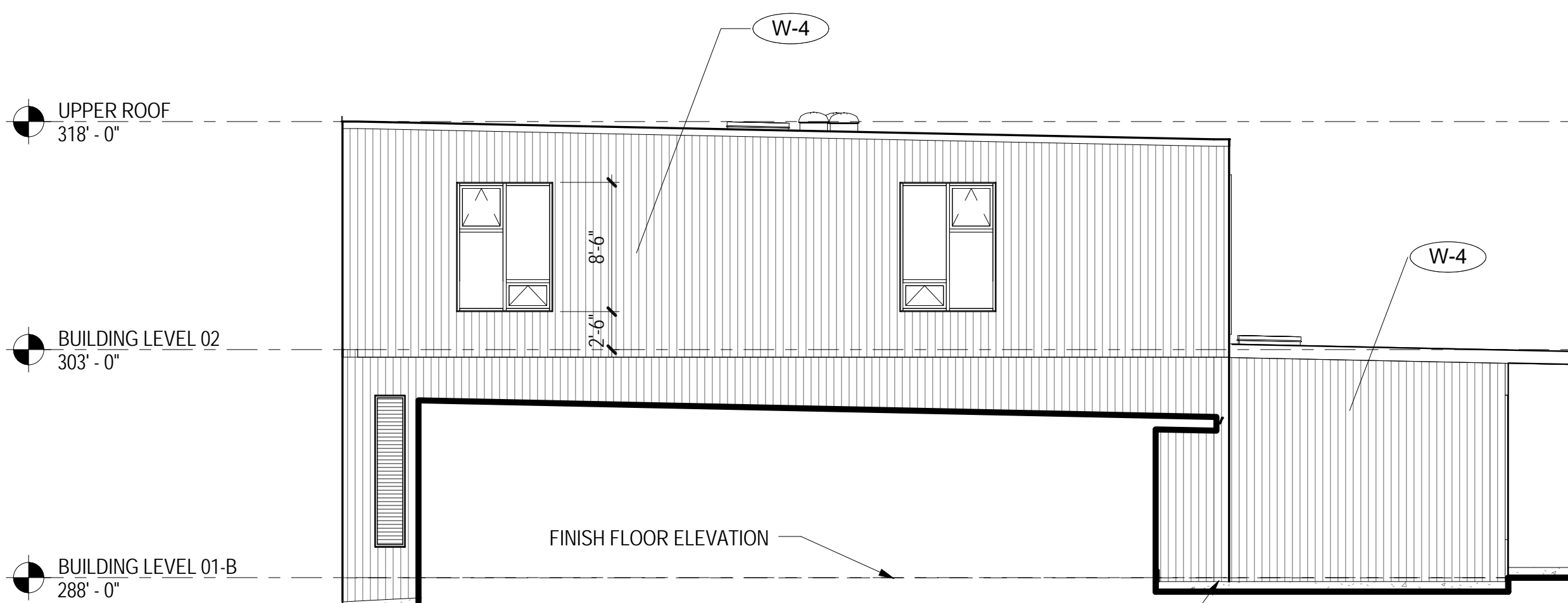
6 MAIN COURTYARD ELEVATION - SOUTH - CLASSROOM WING  
1/8" = 1'-0"



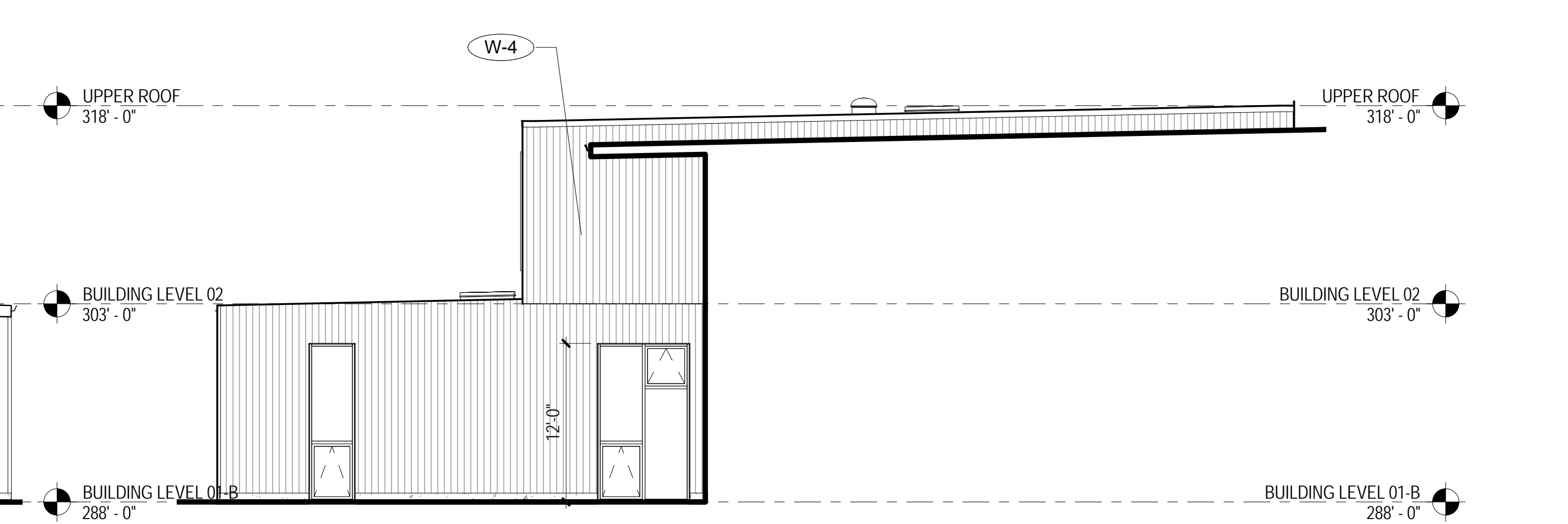
9 MAIN COURTYARD ELEVATION - WEST - CLASSROOM WING  
1/8" = 1'-0"



11 MAIN COURTYARD ELEVATION - EAST - CLASSROOM WING  
1/8" = 1'-0"



17 MAIN COURTYARD ELEVATION - SOUTH - STEM  
1/8" = 1'-0"



19 MAIN COURTYARD ELEVATION - NORTH - STEM  
1/8" = 1'-0"

NO.	DATE	DESCRIPTION
1	06.30.2017	DD ADDENDUM #1

DESIGN PARTNER  
RF  
PROJECT MANAGER  
MF  
PROJECT ARCHITECT  
SK  
PROJECT DESIGNER  
ME  
PROJECT TEAM MEMBERS

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BUILDING ELEVATIONS

PROJECT NO.  
1622400  
DATE  
06/30/17

SHEET NUMBER  
**A3.03**  
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BUILDING ELEVATION NOTES

1. SEE A5.01 FOR EXTERIOR ASSEMBLY DESCRIPTIONS
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PROJECT  
**Blakely Elementary School**

LOCATION  
**4704 Blakely Avenue  
Bainbridge Island, WA  
98110**

PREPARED FOR  
**Bainbridge Island School District**

NO.	DATE	DESCRIPTION
1	06.30.2017	DD ADDENDUM #1

DESIGN PARTNER  
RF  
PROJECT MANAGER  
MF  
PROJECT ARCHITECT  
SK  
PROJECT DESIGNER  
ME  
PROJECT TEAM MEMBERS

CHECK

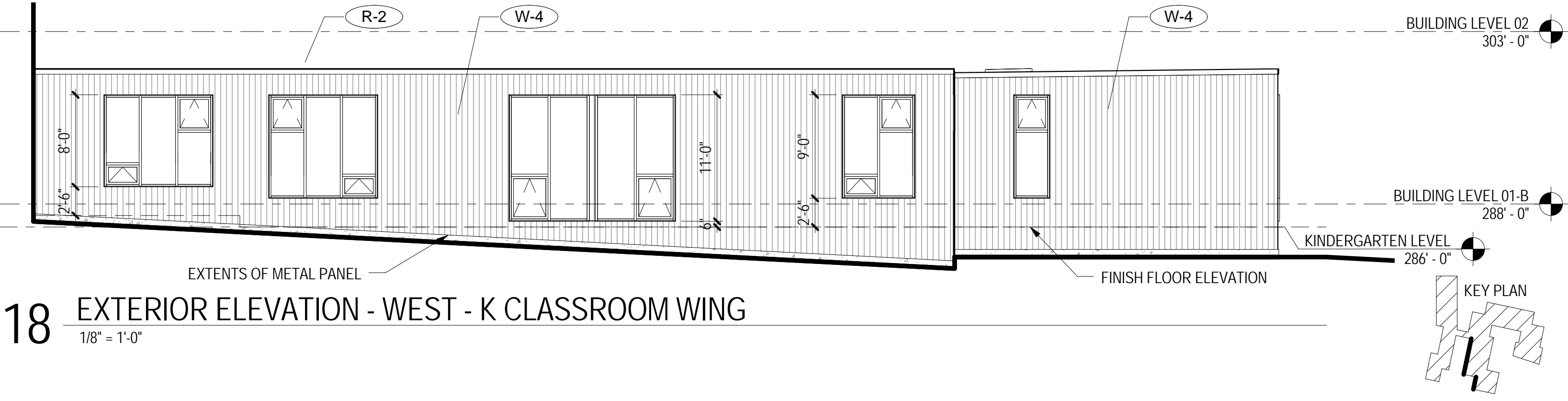
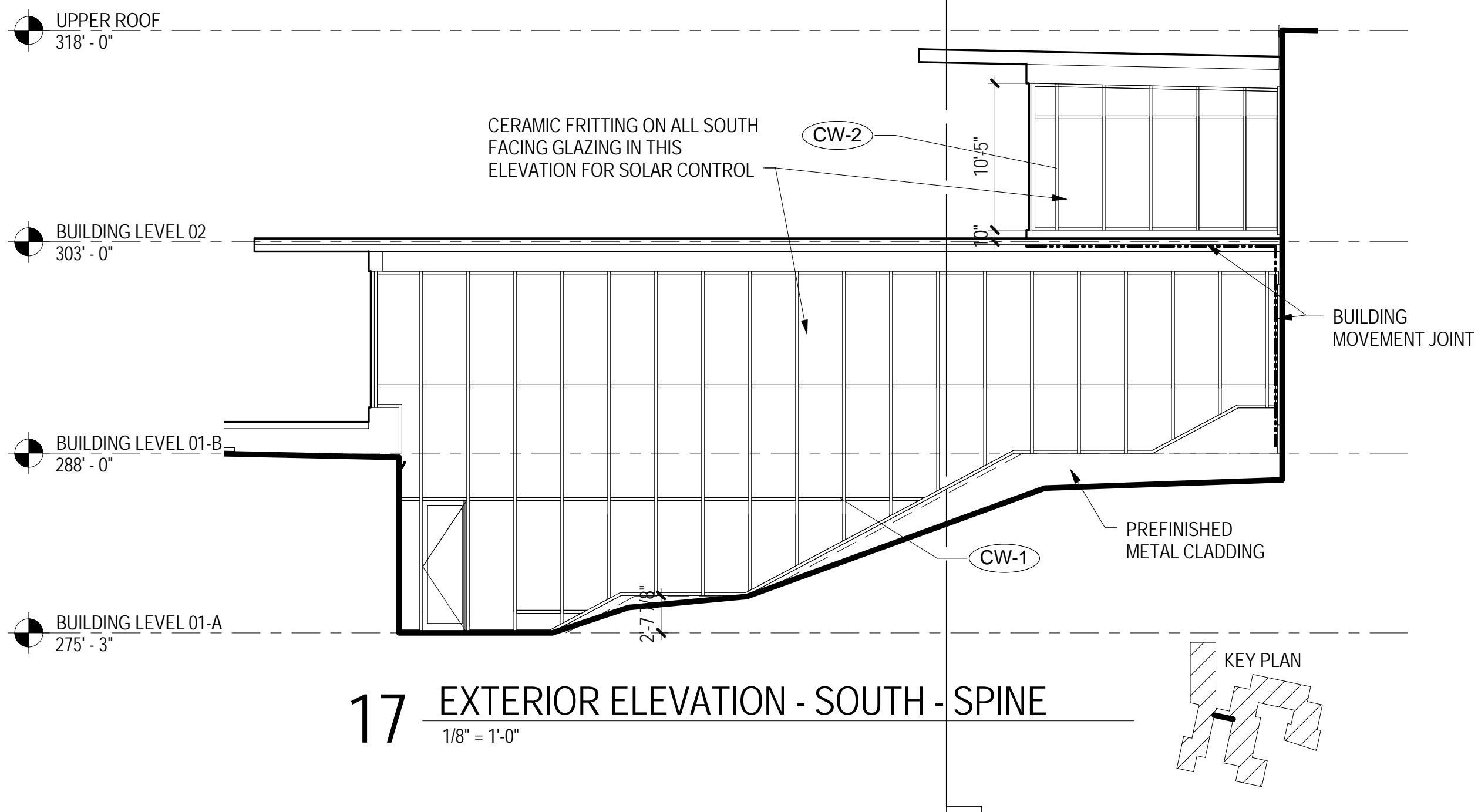
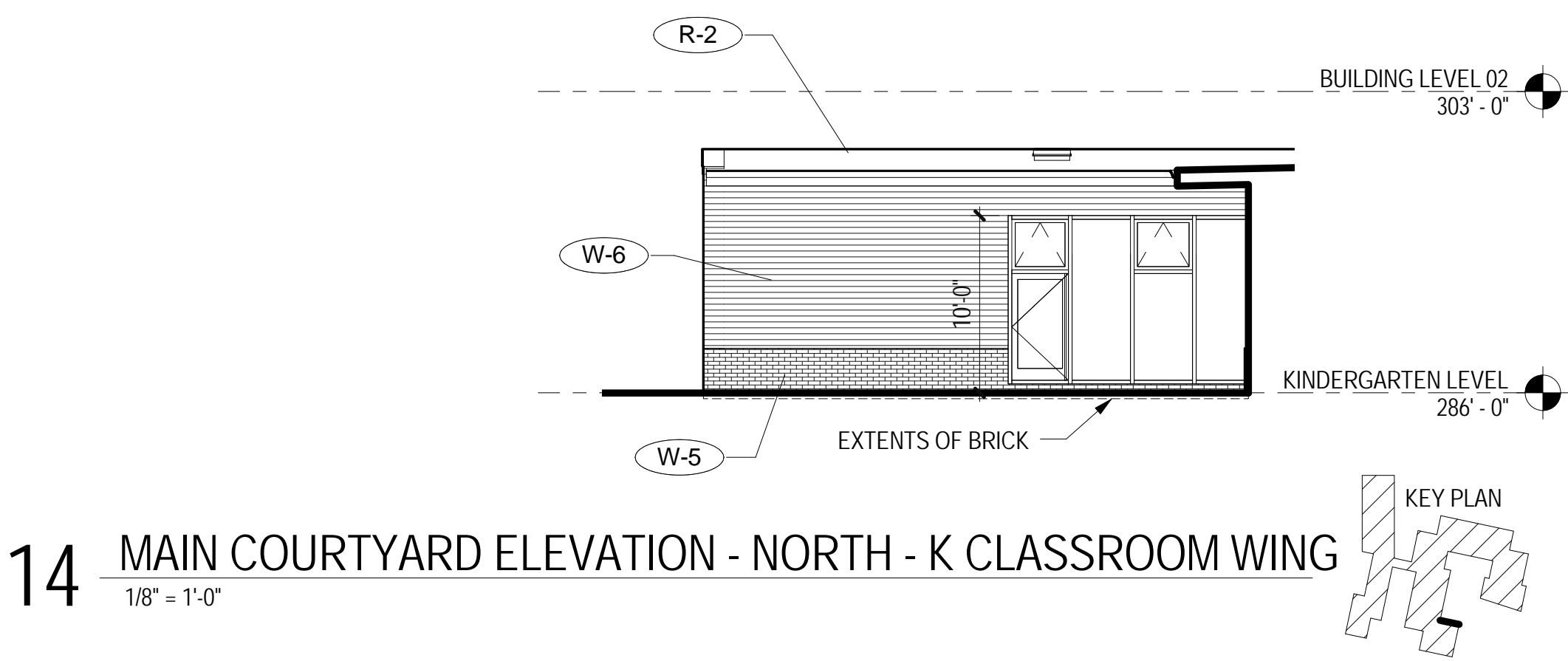
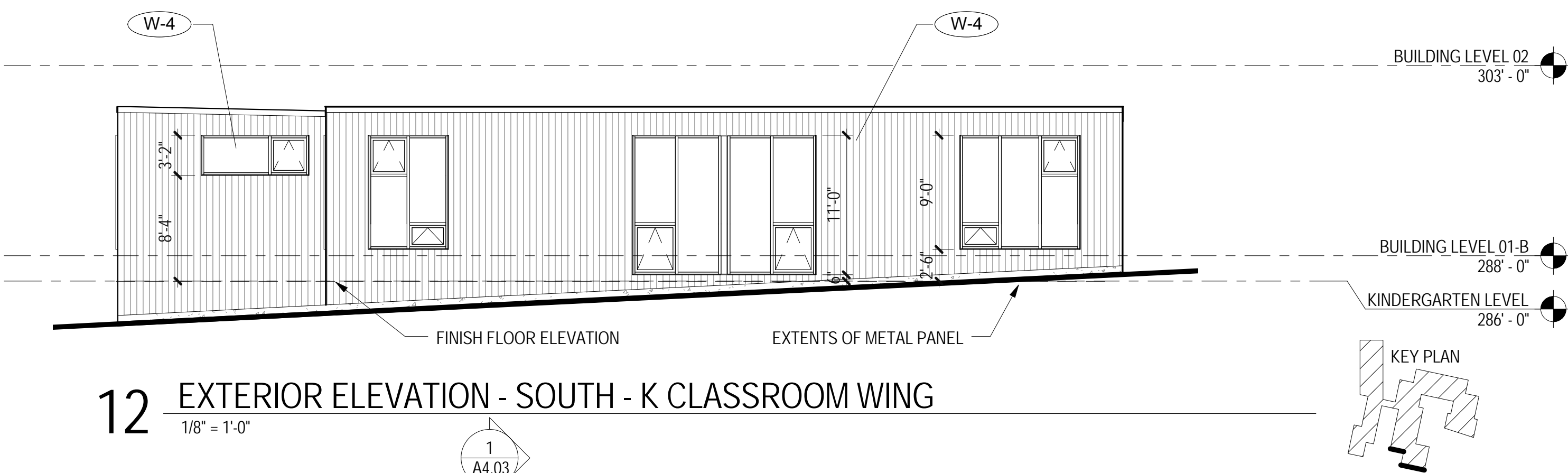
BUILDING ELEVATIONS

PROJECT NO.  
1622400  
DATE  
06/30/17

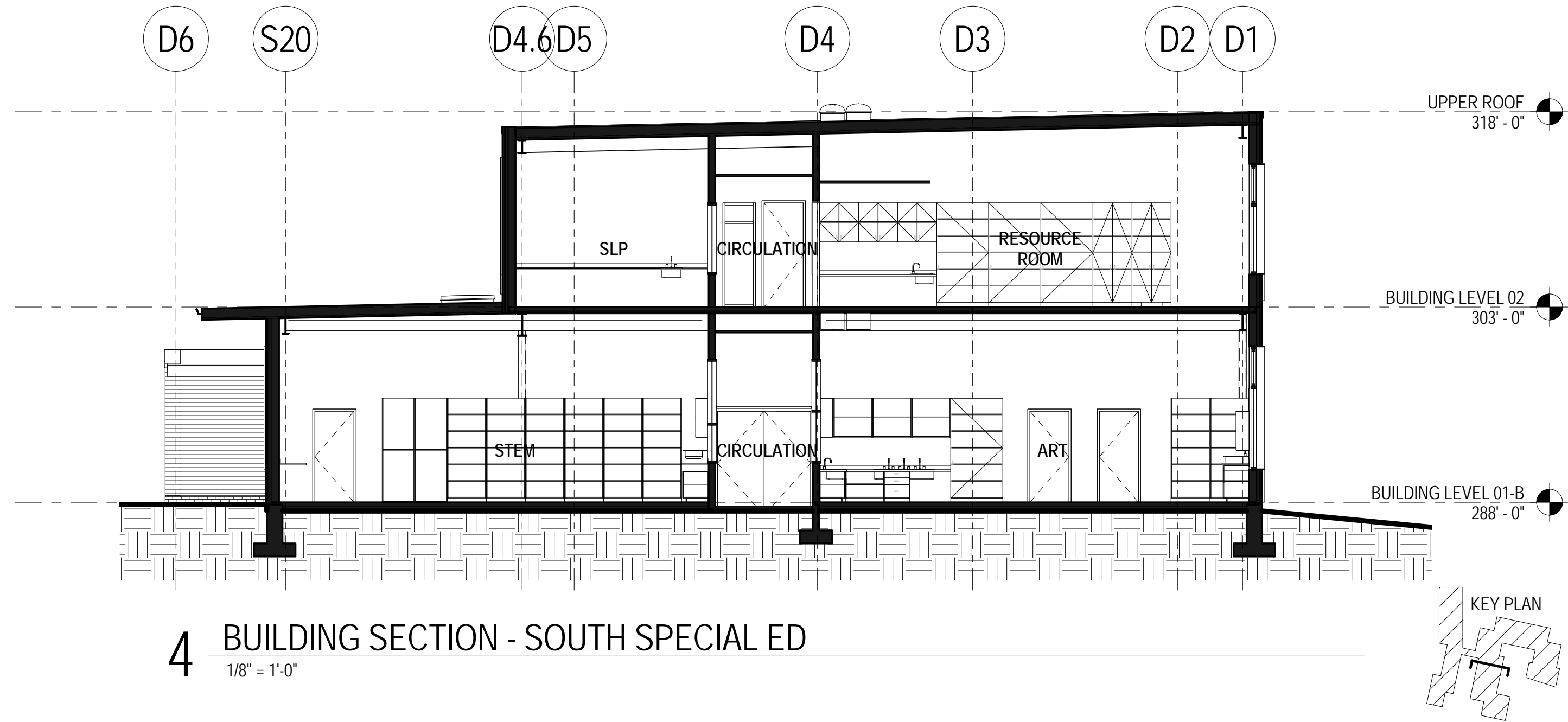
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**A3.04**  
DESIGN DEVELOPMENT  
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ORIGINAL SHEET SIZE 30" x 42"

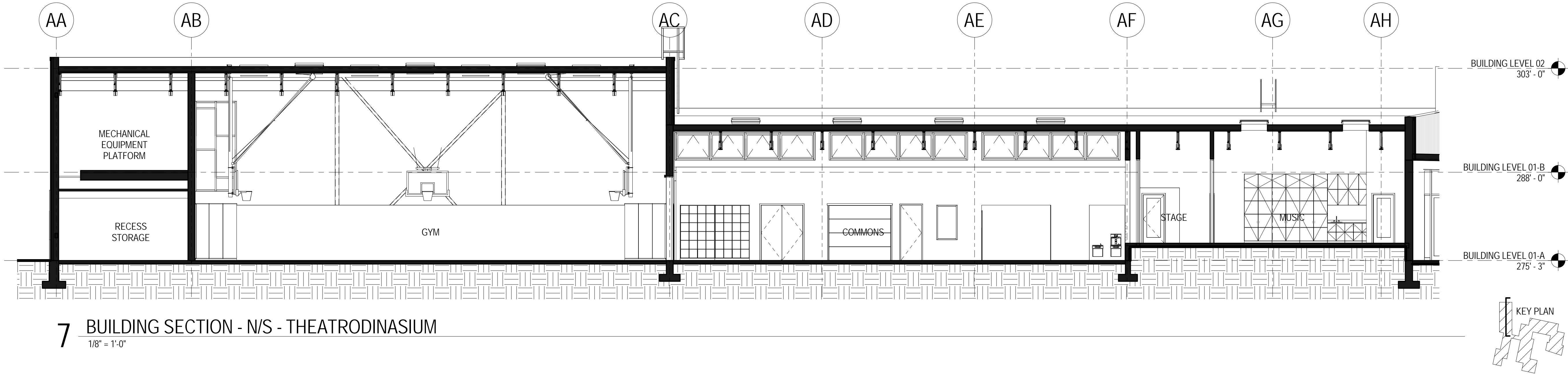
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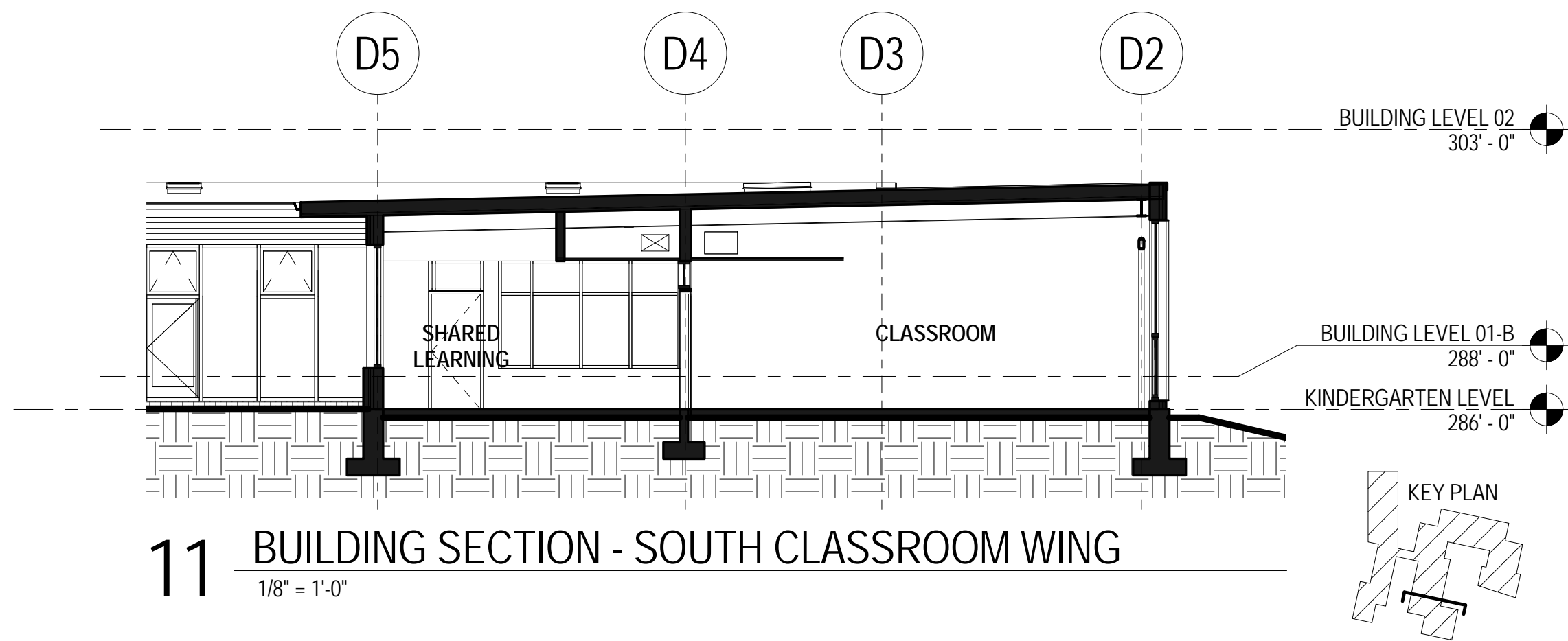




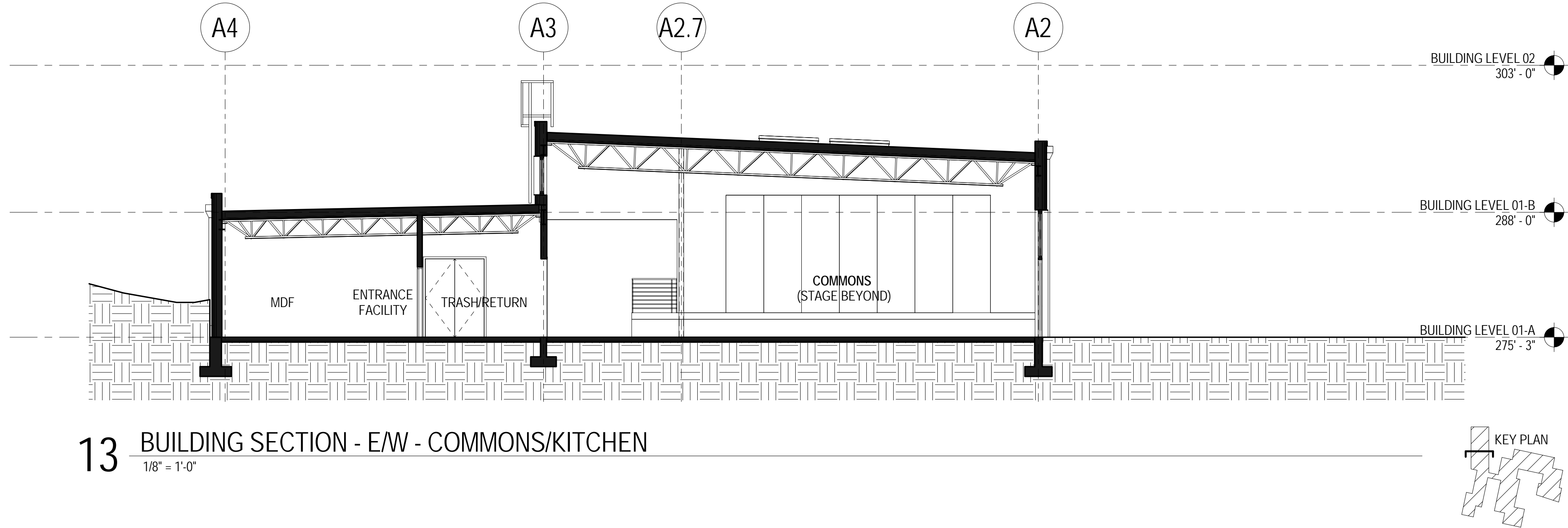
4 BUILDING SECTION - SOUTH SPECIAL ED  
1/8" = 1'-0"



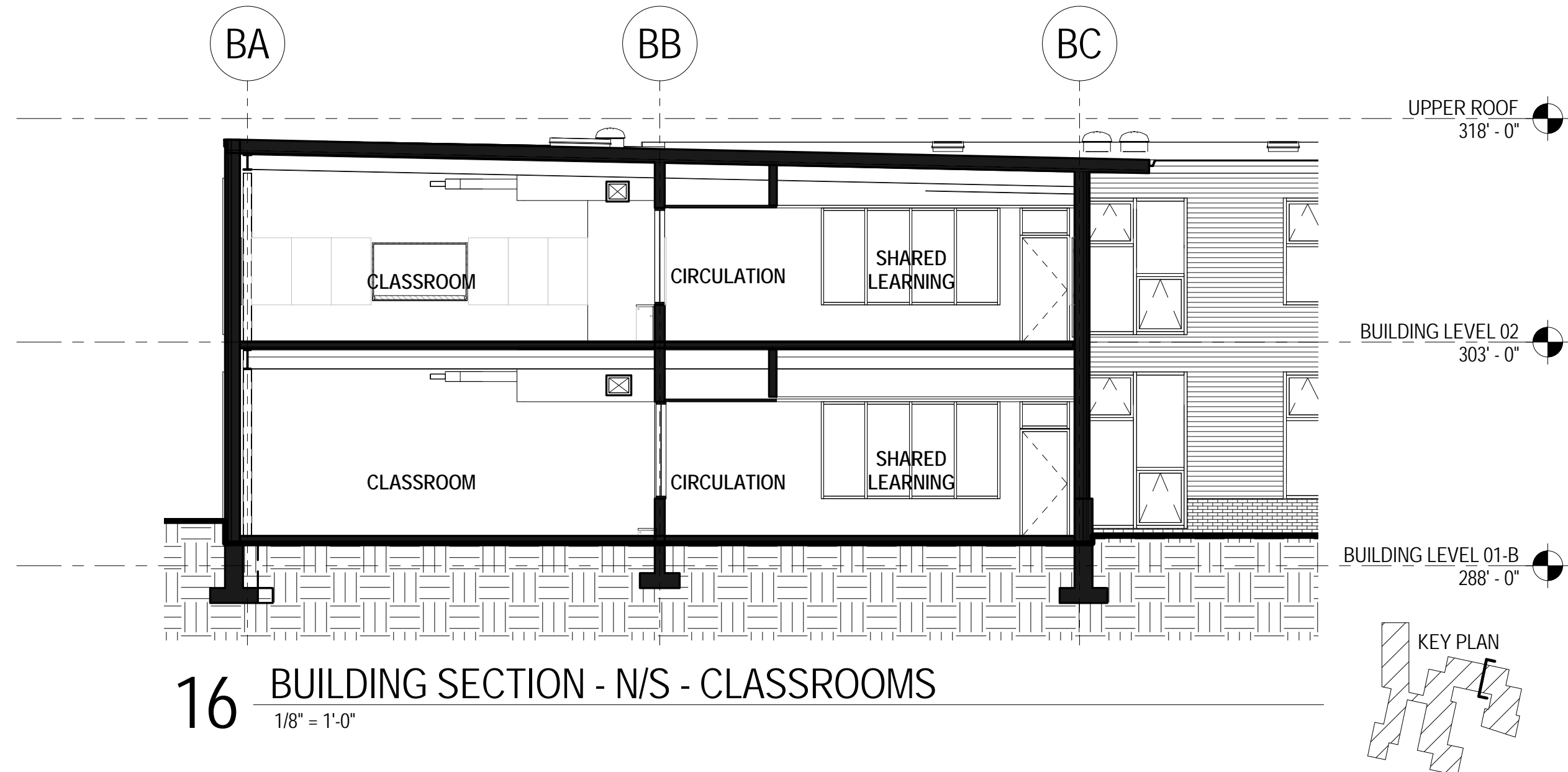
7 BUILDING SECTION - N/S - THEATRODINASIUM  
1/8" = 1'-0"



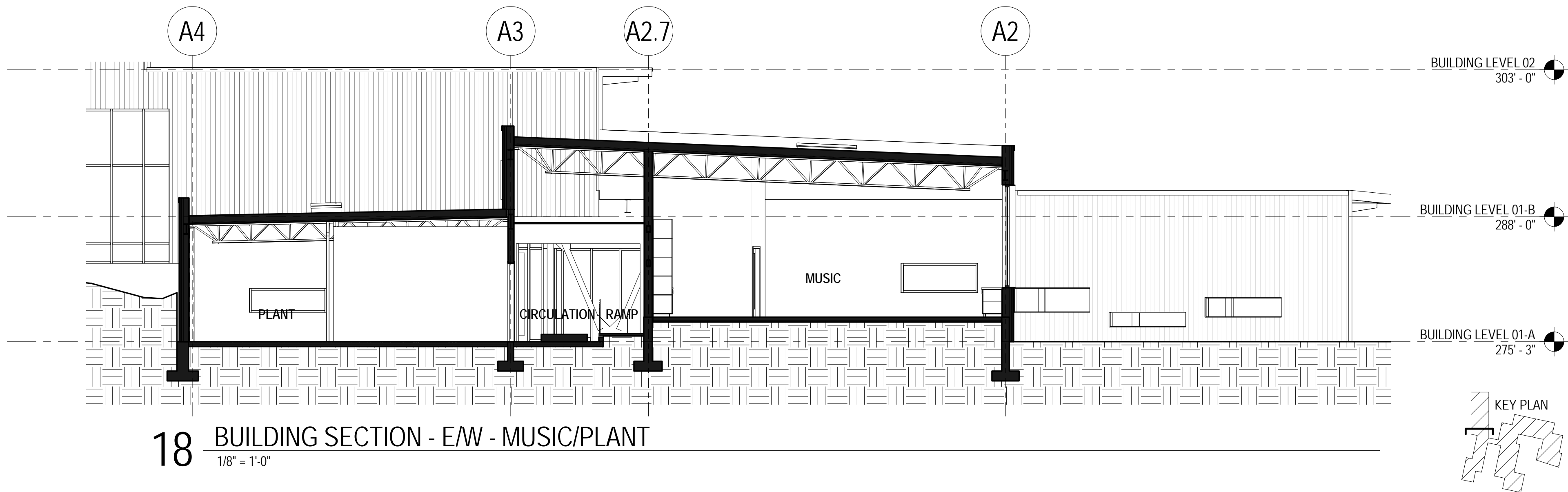
11 BUILDING SECTION - SOUTH CLASSROOM WING  
1/8" = 1'-0"



13 BUILDING SECTION - E/W - COMMONS/KITCHEN  
1/8" = 1'-0"



16 BUILDING SECTION - N/S - CLASSROOMS  
1/8" = 1'-0"



18 BUILDING SECTION - E/W - MUSIC/PLANT  
1/8" = 1'-0"

NO.	DATE	REVISION

DESIGN PARTNER  
RF  
PROJECT MANAGER  
MF  
PROJECT ARCHITECT  
SK  
PROJECT DESIGNER  
ME  
PROJECT TEAM MEMBERS

CHECK

BUILDING SECTIONS

PROJECT NO.  
1622400  
DATE  
06/16/17

SHEET NUMBER  
**A3.12**  
DESIGN DEVELOPMENT  
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VARIES

WHERE NO FURRING INDICATED ON PLANS, PROVIDE R15 MINERAL WOOL INSULATION STICK PINNED TO CONCRETE

2" XPS RIGID INSULATION (R9.5 MIN)

DRAINAGE MAT; THICKNESS TBD

WATERPROOFING MEMBRANE

CONCRETE WALL

WHERE FURRING WALL INDICATED ON PLANS, PROVIDE 3 5/8" METAL STUD WITH R13 BATT AND PAINTED GYPSUM BOARD

THERMAL		FIRE	
R-V	U-V	RATING	TEST
		NR	

**W-1**

VARIES

PREFINISHED BRAKE METAL

7/8" VERTICAL HAT CHANNELS

7/8" HORIZONTAL HAT CHANNELS

SHIM SPACE

2" XPS RIGID INSULATION (R10 MIN)

WRB

SELF ADHERED FLASHING OR HIGH TACK ADHESIVE TAPE AT ALL JOINTS IN SHEATHING

5/8" FIBERGLASS FACED GYPSUM EXTERIOR SHEATHING

METAL STUD FRAMING

BATT INSULATION, WIRED TIGHT TO EXTERIOR SHEATHING (R13)

5/8" GYPSUM W/ CLASS II VAPOR RETARDING PRIMER AND INTERIOR FINISH

TYPICAL METAL STUD ASSEMBLY

THERMAL		FIRE	
R-V	U-V	RATING	TEST
		NR	

**W-2**

VARIES

HORIZONTAL METAL PANEL (MP-1)

TYPICAL METAL STUD ASSEMBLY SEE W02

THERMAL		FIRE	
R-V	U-V	RATING	TEST
		NR	

**W-3**

VARIES

VERTICAL METAL PANEL (MP-02)

TYPICAL METAL STUD ASSEMBLY SEE W02  
EXCEPTIONS NOTED BELOW

(1) ONE LAYER FURRING CHANNELS; HORIZONTAL

THERMAL		FIRE	
R-V	U-V	RATING	TEST
		NR	

**W-4**

VARIES

MASONRY VENEER

MASONRY TIES

SELF ADHERED MEMBRANE AT EACH TIE

1 1/2" AIR SPACE

XPS RIGID INSULATION (R10 MIN)

WRB

SELF ADHERED FLASHING OR HIGH TACK ADHESIVE TAPE AT ALL JOINTS IN SHEATHING

5/8" FIBERGLASS FACED GYPSUM EXTERIOR SHEATHING

METAL STUD FRAMING

R13 BATT INSULATION, WIRED TIGHT TO EXTERIOR SHEATHING

5/8" GYPSUM W/ INTERIOR FINISH

THERMAL		FIRE	
R-V	U-V	RATING	TEST
		NR	

**W-5**

VARIES

1X8 CEDAR SHIPLAP SIDING

TYPICAL METAL STUD ASSEMBLY SEE W02

THERMAL		FIRE	
R-V	U-V	RATING	TEST
		NR	

**W-6**

FIXED

OPERABLE UNIT

THERMAL		FIRE	
R-V	U-V	RATING	TEST
0.35		NR	

**SF-1**

PER TYPE

FIXED

OPERABLE UNIT

CW-1 = 10.5" MULLION DEPTH  
CW-2 = 6" MULLION DEPTH

THERMAL		FIRE	
R-V	U-V	RATING	TEST
0.35		NR	

**CW-X**

2" CONCRETE TOPPING SLAB

RADIANT TUBING

XPS RIGID INSULATION (R10 MIN)

CONCRETE SLAB ON GRADE

VAPOR BARRIER

COMPACTED GRANULAR FILL

THERMAL		FIRE	
R-V	U-V	RATING	TEST
		NR	

**F-1**

R10 RIGID INSULATION CONTINUOUS AROUND EXTERIOR PERIMETER OF BUILDING.  
2" VERTICAL OR TO THE TOP OF FOOTINGS, WHICHEVER IS LESS

4" CONCRETE SLAB ON GRADE

VAPOR BARRIER

COMPACTED GRANULAR FILL

THERMAL		FIRE	
R-V	U-V	RATING	TEST
		NR	

**F-2**

CONCRETE TOPPING SLAB

METAL DECK

THERMAL		FIRE	
R-V	U-V	RATING	TEST
		NR	

**F-3**

CONCRETE TOPPING

METAL DECK

COLD-FORMED METAL FRAMING

THERMAL		FIRE	
R-V	U-V	RATING	TEST
		NR	

**F-4**

2X6 CEDAR DECKING

CEDAR FRAMING

THERMAL		FIRE	
R-V	U-V	RATING	TEST
		NR	

**F-5**

MEMBRANE ROOFING

COVERBOARD

POLYISO RIGID INSULATION (R38 MIN)

SELF-ADHERED AIR / VAPOR BARRIER

SUBSTRATE BOARD

METAL DECK

THERMAL		FIRE	
R-V	U-V	RATING	TEST
		NR	

**R-1**

MEMBRANE ROOFING

COVERBOARD

POLYISO RIGID INSULATION (R38 MIN)

SELF-ADHERED AIR / VAPOR BARRIER

SUBSTRATE BOARD

ACOUSTICAL METAL DECK SYSTEM

THERMAL		FIRE	
R-V	U-V	RATING	TEST
		NR	

**R-2**

MEMBRANE ROOFING

SUBSTRATE BOARD

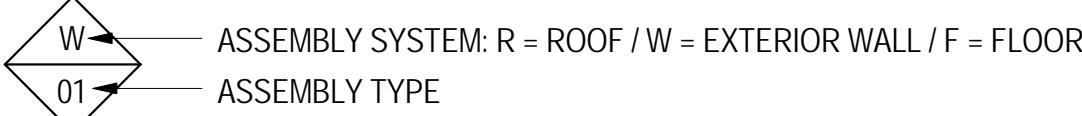
METAL DECK

THERMAL		FIRE	
R-V	U-V	RATING	TEST
		NR	

**R-3**

## BUILDING ASSEMBLIES SCHEDULE NOTES

1. THE BLDG ASSEMBLY SYMBOL CONSISTS OF 2 ELEMENTS: THE TOP ALPHA CHARACTER INDICATES THE TYPE OF ASSEMBLY SYSTEM; THE LOWER NUMBER INDICATES THE ASSEMBLY NUMBER KEYED TO THE ADJACENT SCHEDULE.



2. FIRE RATED ASSEMBLIES ARE BASED ON IBC, UL, OR US GYPSUM ASSOCIATION (GA) TEST DATA AND ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE TESTING AGENCIES. REFER TO SPECIFIC TEST REPORTS INDICATED FOR REQUIRED COMPONENTS AND ASSEMBLY. CONTRACTOR SHALL PROVIDE (2) COPIES OF EACH REFERENCED MANUAL TO THE JOBSITE TO COORDINATE FIRE RESISTIVE ATTACHMENT WITH SHEAR CONNECTORS AND SOUND RATED ASSEMBLIES. GA 600 MANUAL IS ACCEPTED BY 2012 IBC TABLE 720.1(2) NOTE O FOR NON-PROPRIETARY ASSEMBLIES.

3. EXTENTS OF ASSEMBLIES ARE SHOWN ON THE PLANS AND SECTIONS. FIRE RATED WALL ASSEMBLIES FORM A SEPARATION THAT SHALL BE CONTINUOUS FROM FLOOR TO STRUCTURE ABOVE WITH NO BREAKS AT COLUMNS, WALL TRANSITIONS, OR OTHER OBSTRUCTIONS.

4. ALL PENETRATIONS IN FIRE RATED ASSEMBLIES REQUIRED TO HAVE PROTECTED OPENINGS SHALL BE FIRESTOPPED OR PROVIDED WITH APPROVED SMOKE AND/OR FIRE DAMPERS PER CODE REQUIREMENTS.

5. PROVIDE THRU-PENETRATION FIRESTOP SYSTEMS FOR RATED ROOFS, WALLS, AND FLOORS THAT ARE PRODUCED AND INSTALLED TO RESIST THE SPREAD OF FIRE ACCORDING TO REQUIREMENTS INDICATED, RESIST PASSAGE OF SMOKE AND OTHER GASES, AND MAINTAIN ORIGINAL FIRE-RESISTANCE RATING OF THE ASSEMBLY PENETRATED.

6. FIRE RATED WALLS MAY HAVE OPENINGS FOR STEEL ELECTRICAL BOXES NOT TO EXCEED 16 SQUARE INCHES PROVIDED THE AGGREGATE AREA OF ALL BOXES DOES NOT EXCEED 100 SQUARE INCHES FOR ANY 100 SQUARE FEET OF PARTITION.

7. ALL GYPSUM BOARD SHALL BE TYPE "X" UNLESS NOTED OTHERWISE.

8. SUBSTITUTE TYPE "X" MOLD AND WATER RESISTANT GYPSUM BOARD AT TOILET, SHOWER, JANITOR, AND KITCHEN ROOMS, KITCHENETTE, AND SIMILAR "WET" USES.

9. PROVIDE CEMENT BOARD AT TILE FINISHES. DO NOT REDUCE REQUIRED FIRE-RESISTANCE RATING OF WALL ASSEMBLY.

10. PROVIDE BLOCKING AT THE FOLLOWING LOCATIONS: CASEWORK, SHELVING, AND PANELING; ACCESSORIES AND EQUIPMENT; DOOR HARDWARE; TOILET PARTITIONS AND ACCESSORIES; ACOUSTICAL PANELS; AND OTHER LOCATIONS WHERE REQUIRED PER MANUFACTURER'S RECOMMENDATIONS OR INDUSTRY STANDARDS.

11. FIREBLOCK IN ACCORDANCE WITH 2012 IBC SECTION 717 AT THE FOLLOWING CONCEALED DRAFT LOCATIONS: IN CONCEALED WALL SPACES AT 10' O.C. EACH WAY AND AT CEILING / FLOOR LEVELS.

A. AT INTERCONNECTIONS OF CONCEALED SOFFITS, DROPPED CEILINGS AND COVES  
B. IN OPENINGS AROUND VENTS, PIPES, DUCTS AT CEILING / FLOOR LEVELS.  
C. AT OPENINGS BETWEEN ATTIC SPACES AND MANUFACTURED CHIMNEY CHASES.

12. FOR PROPERTIES OF COOLER OR WALLBOARD NAILS, SEE ASTM C 514, ASTM C 547 OR ASTM F 1667.

13. THESE DETAILS REPRESENT MINIMUM ARCHITECTURAL REQUIREMENTS. IN SOME CASES THE STRUCTURAL DRAWINGS WILL DETERMINE THE ACTUAL DIMENSIONS AND CONNECTION METHODS, AND IN THOSE CASES WILL GOVERN. COORDINATE BETWEEN SCOPE SHOWN BY THE STRUCTURAL DRAWINGS AND INDICATED MINIMUM ARCHITECTURAL ASSEMBLIES.

14. DRAFTSTOPPING IS NOT REQUIRED IN FLOOR/CEILING SPACES PER IBC SECTION 717.3.2, EXCEPTION 1. THE BUILDING WILL BE EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.3.1.1 (NFPA 13).

15. DRAFTSTOPPING IN ATTICS IS NOT REQUIRED PER IBC SECTION 717.4.2, EXCEPTION 2. THE BUILDING WILL BE EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.3.1.1 (NFPA 13).

16. AIR BARRIER: SEAL EXTERIOR GYPSUM SHEATHING JOINTS AND PENETRATIONS.

17. VAPOR BARRIER: SEAL INTERIOR GYPSUM SHEATHING JOINTS AND PENETRATIONS.

## BUILDING ASSEMBLIES LEGEND

- ..... VAPOR BARRIER
- WRB
- SELF ADHERED MEMBRANE
- WATERPROOFING

## LIGHT GAUGE METAL STUD SIZING

THE FOLLOWING DESCRIBES STUD SIZING AT EXTERIOR ENVELOPE ONLY:

- 1. 6" TYPICAL DEPTH
- 2. 8" DEPTH AT TALL WALLS LOCATED AT GYM, COMMONS, AND MUSIC ROOMS
- 3. 10" DEPTH AT ALL LOCATIONS WHERE A BRACED FRAME IS CONCEALED WITHIN THE WALL

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PROJECT

**Blakely Elementary School**

LOCATION

**4704 Blakely Avenue  
Bainbridge Island, WA  
98110**

PREPARED FOR

**Bainbridge Island School District**

NO. DATE REVISION

DESIGN PARTNER

RF

PROJECT MANAGER

MF

PROJECT ARCHITECT

SK

PROJECT DESIGNER

ME

PROJECT TEAM MEMBERS

CHECK

NO.

**EXTERIOR ASSEMBLIES**

PROJECT NO.

**1622400**

DATE

**06/16/17**

SHEET NUMBER

# A5.01

DESIGN DEVELOPMENT

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ORIGINAL SHEET SIZE 30" x 42"



